

# 100%

## VOLUME 2



# Southwest Minnesota State University

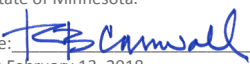
## MASTER FACILITY PLAN 2017

100% | 2.13.2018



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### 01 Space Utilization Reports

- Southwest Minnesota State University Academic Space Utilization Draft January 2016 prepared by Paulien & Associates, Inc.
- Scheduled Utilization - Classrooms dated November 15, 2015 prepared by Paulien & Associates, Inc.
- Scheduled Utilization - Labs dated November 15, 2015 prepared by Paulien & Associates, Inc.
- Utilization Study Findings dated December 3 2015 prepared by Paulien & Associates, Inc.

### 02 Assessments and FRRM Data

- Overall Summary by Campus dated August 4, 2015
- All Buildings dated August 4, 2015
- Backlog & 10 YR Renewal by Subsystem dated August 4, 2015
- Full Facility Roof Report dated January 26, 2016 prepared by Roof Spec, Inc.
- Recommendations - All dated January 26, 2016 prepared by Roof Spec, Inc.
- Financial Plan - Total (5 Years) dated January 26, 2016 prepared by Roof Spec, Inc.
- Roof Plans Prepared by Roof Spec, Inc.

### 03 Technology Master Plan

- Southwest Minnesota State University Information Technology Services July 2013 - June 2016 Strategic Plan
- Southwest Minnesota State University Information Technology Services July 2013 - June 2016 Strategic Plan Status Report dated August 4, 2014

### 04 Meeting Notes

- Meeting: SMSU Steering Committee dated September 3, 2017
- SMSU Master Planning Stakeholder Meetings – Thea’s Notes Workshop 1, Oct 22-23 2015
- Master Plan Summary
- SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

### 05 Other Information

- Room Quality Evaluation Worksheet
- Southwest Minnesota State University Written Historical and Descriptive Data Historic American Landscape Survey
- Highway 23 and Tiger Drive – Roundabout

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**SOUTHWEST MINNESOTA STATE UNIVERSITY**  
**ACADEMIC SPACE UTILIZATION**

***DRAFT***

**JANUARY 2016**

**PAULIEN & ASSOCIATES, INC.**





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## EXECUTIVE SUMMARY

### Overview

As part of Southwest Minnesota State University's (SMSU) Comprehensive Facilities Master Plan, Paulien & Associates was selected to conduct an academic space utilization analysis of classrooms and teaching laboratories. The objective of the utilization analysis is a review of SMSU's existing on-campus classrooms and teaching laboratories and how they were used during the Fall 2015 semester.

### Process

Several data elements were the basis for the analysis. SMSU provided the consultant with a facilities inventory and the Fall 2015 course file. CollegeNow courses and those at other locations were excluded from the analysis, which was conducted for on-campus classrooms and teaching laboratories only. The consultant was on campus during October 2015 to meet with the President and the cabinet as well as representatives of campus technology, facilities, and scheduling. The preliminary utilization analysis was presented during the first week of December 2015 to the President and the cabinet. Data issues were vetted and academic space issues relative to the strategic goals of the University were also discussed at that time.

### Terminology

- **Weekly Room Hours (WRH):** the average hours per week of scheduled instruction over the course of a semester.
- **Weekly Student Contact Hours (WSCH):** the weekly room hours multiplied by the course enrollment.
- **Student Station Occupancy (SSO):** the average percent of seats filled for scheduled instruction over the course of a semester.
- **Assignable Square Feet (ASF):** the space within each room. Assignable square feet includes space that can be attributed to a particular use. It excludes general building space such as janitorial closets, primary circulation areas, mechanical rooms, structural areas and public restrooms.
- **Classrooms:** spaces used for lecture-based instruction that are not specific to a subject area or discipline by the equipment found in the room or the configuration of the room. Classrooms are identified by the space use code of 110 in accordance with the *Postsecondary Education Facilities Inventory Classification Manual (2006 Edition)*.
- **Teaching Laboratories:** spaces used for formally or regularly scheduled courses that require special equipment or a special room configuration for student participation, experimentation, observation or practice in a particular academic discipline. Teaching laboratories, sometimes referred to as class laboratories, are identified by the space use code of 210 in accordance with the *Postsecondary Education Facilities Inventory Classification Manual (2006 Edition)*.

### Key Points

- The most scheduled time on campus (during Fall 2015) was on Tuesdays and Thursdays between 10:00 AM and 12:00 PM when 39 of 41 classrooms were in use.
- Later in the afternoons, evenings, and at 8:00 AM there were fewer classrooms in use. For example, on Tuesdays and Thursdays at 8:00 AM, only five classrooms were in use.

## EXECUTIVE SUMMARY

- There are 41 spaces classified as classrooms. SMSU considers all classrooms centrally (general use) scheduled.
- The utilization analysis for classrooms shows an average of 21 WRH. When the classrooms are scheduled, 53% of the seats are being filled, on average.
- The average weekly room hours for classrooms is lower than Paulien & Associates recommends. The MnSCU has established 32 WRH as the guideline for classroom utilization. Comparable institutions to SMSU have classroom utilization guidelines on average of 35 WRH.
- There are 25 spaces classified as teaching laboratories reflecting an average utilization of 8 WRH at 69% student station occupancy.
- With an average of 8 WRH for all teaching laboratories, SMSU is lower than is recommended by Paulien & Associates. Comparable institutions have averaged 24 WRH. (MnSCU does not publish teaching laboratory utilization expectations.)
- There are several teaching laboratories with no or low utilization. These include: Bellows Academic Center 135 (Printmaking), which had no utilization during Fall 2015; Bellows Academic Center 101 (Sculpture), in which two courses were held (6.6 WRH); Fine Arts 223, in which three courses were held (6.6 WRH); Science & Technology 214 (Physical Chemistry); in which one course was held (3.8 WRH); as well as several others. Specialty Laboratories may not have more than a few courses if there is not the student enrollment for multiple sections.
- Existing classroom space should be evaluated to create optimal learning spaces. For example, Bellows Academic Center 236 currently has 34 stations resulting in 16 ASF per station. However, on average only 52% of the seats are filled by the courses scheduled in this classroom. Removing chairs would increase the student station occupancy, creating a better "fit" for the courses and result in an enhanced learning environment.
- Evaluation of which classrooms to convert to other uses should occur after considering: scheduling shift options; right-sizing classrooms (take out chairs); and alignment of section sizes (course enrollments) to the number of seats in the room. Also, decisions should be considerate of faculty preferences and geography.
- There are various science teaching laboratories throughout Science & Technology and Science and Math. All of these are used for less than comparable institution utilization expectations.

Science & Technology										No. of Rooms = 7	
ST 108	Biology	210	1,626	24	68	23	180	7.5	8.0	94%	
ST 154	Anatomy	210	1,620	24	68	17	100	4.2	6.0	69%	
ST 158	Bio/Env Sci	210	1,598	24	67	23	226	9.4	9.9	95%	
ST 209	Gen Chem	210	1,470	25	59	15	92	3.7	6.0	61%	
ST 214	Phys Chem	210	1,470	18	82	10	38	2.1	3.8	56%	
ST 256	Gen Chem	210	1,470	24	61	30	182	7.6	6.0	126%	
ST 260	Organic Chem	210	1,470	30	49	17	109	3.6	6.6	55%	
<b>Average</b>			1,532	24	65	19		5.5	7	82%	
<b>Total</b>			10,724	169			927		46		

Science And Math										No. of Rooms = 8	
SM 127	Geology	210	705	30	24	17	164	5.5	8.5	64%	
SM 129	MicroBio	210	1,131	24	47	24	96	4.0	4.0	100%	
SM 163	Botany	210	648	24	27	19	74	3.1	4.0	77%	
SM 166	Agronomy	210	841	12	70	11	22	1.8	2.0	92%	
SM 175	Eco/Zoology	210	1,131	30	38	14	155	5.2	11.3	46%	
SM 209	Physics	210	1,313	48	27	28	149	3.1	4.0	78%	
SM 265	Physics	210	1,092	30	36	22	86	2.9	4.0	72%	
SM 276	Gen Chem	210	1,500	18	83	18	55	3.1	3.0	102%	
<b>Average</b>			1,045	27	44	19		3.7	5	70%	
<b>Total</b>			8,361	216			801		41		

- Consider whether renovations can allow some spaces to be used for various courses (rather than one course type per lab). Some campuses have created introductory Biology and Chemistry labs (both disciplines in the same teaching lab).

## ACADEMIC SPACE USE & UTILIZATION

Classrooms are defined as any room used for scheduled instruction requiring no special equipment and referred to as a classroom, seminar room or lecture hall. Classroom service space directly supports one or more classrooms as an extension of the classroom activities, providing media space, preparation areas or storage. Auditoria with limited scheduling capabilities due to productions or reserved for special occasions are not considered classroom space. Once a room is classified as a classroom it has utilization expectations. Institutions similar to Southwest Minnesota State University (SMSU) reflect utilization metrics around 35 hours per week with 65% student station occupancy.

Teaching laboratories are defined as rooms used primarily by regularly scheduled classes that require special purpose equipment to serve the needs of particular disciplines for group instruction, participation, observation, experimentation or practice. Open access laboratories are not included in this category nor are labs or studios for which there is not a regular schedule of credit-bearing instruction.

It is typical for the scheduled weekly room hour expectation for teaching laboratories to be less than scheduled use of classrooms due to the need for preparation time of specialized equipment prior to class. Conversely, the student station occupancy is normally higher as the number enrolled in a laboratory exercise is more closely monitored, safety being a key issue as well as the limitations of faculty observation.

### Classroom Use

The scheduled use of a classroom identifies the daily and weekly average use of classrooms over a semester. The scheduled classroom use illustrates when a classroom is scheduled for credit-generating instruction. Additional uses such as meetings or activities that are not captured in the Registrar's course file are not included in the scheduled classroom use.

Classroom use should not be confused with utilization. Use is the number of the total classrooms occupied at a particular time and is a quick way to inform the campus community regarding use and availability. Classroom use can also:

- Provide a glimpse of room scheduling practices and faculty teaching preferences
- Inform with regard to parking demand, peak use of facilities, and other master planning components
- Identify daily and weekly average use of classrooms over the semester
- Include only on-campus, for-credit instruction

The summary findings are illustrated in the table, *Scheduled Classroom Use by Day and Time*.

- The highest scheduled classroom use occurred on Tuesday and Thursday, when 95% (39) classrooms were in use at 10:00 AM and 11:00 AM.
- Daytime (8:00 AM – 5:00 PM) is higher than evening use, which is typical of a campus such as SMSU that has a larger full-time undergraduate than graduate population with most undergraduate students either living on or near to campus.
- During Fall 2015, an average of 20% to 86% of classrooms were in use throughout the week.
- The peak of classroom use is generally between 10:00 AM and 12:00 PM on Tuesday and Thursday.
- Friday use is typical of most campuses (lower than other days), particularly into the afternoon and evening hours.

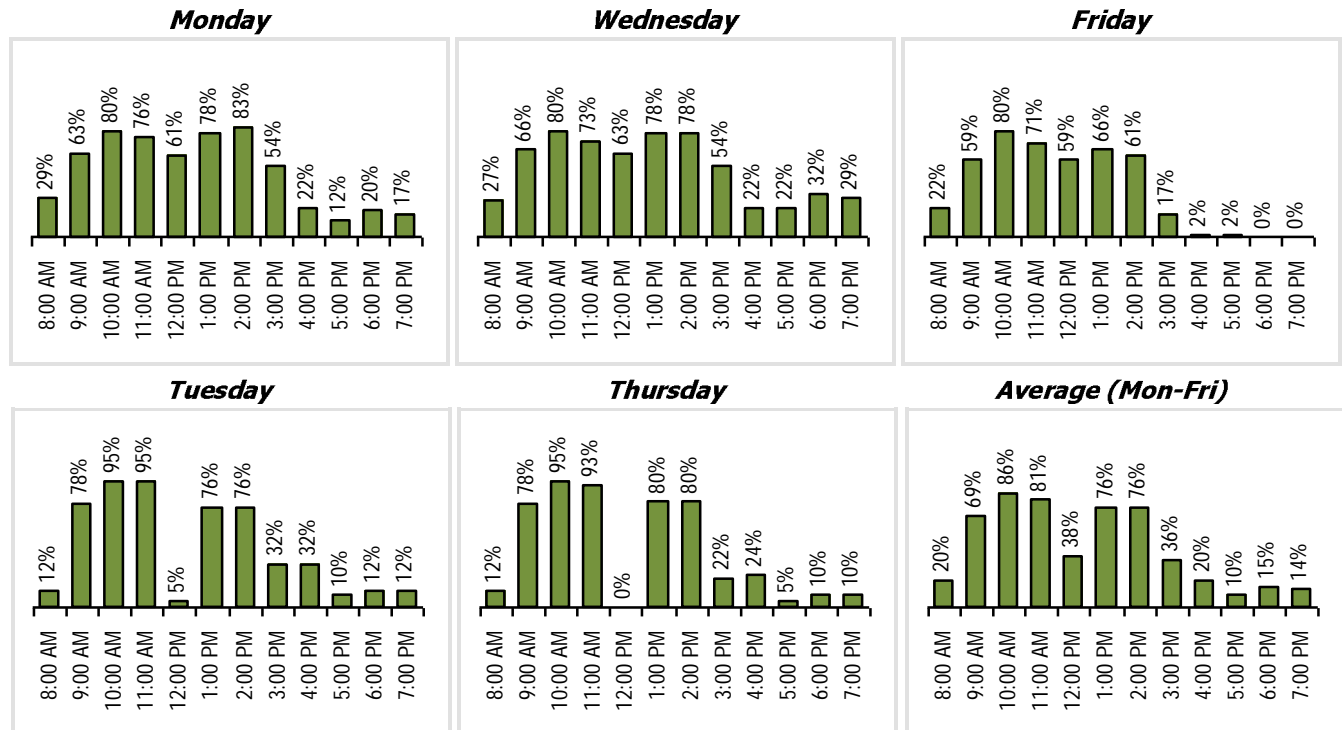
**Scheduled Classroom Use by Day and Time** (Fall 2015)

(Darker colors indicate a large percentage of rooms are scheduled.)

Time of Day	Monday		Tuesday		Wednesday		Thursday		Friday		Average	
	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use
8:00 AM	12	29%	5	12%	11	27%	5	12%	9	22%	8	20%
9:00 AM	26	63%	32	78%	27	66%	32	78%	24	59%	28	69%
10:00 AM	33	80%	39	95%	33	80%	39	95%	33	80%	35	86%
11:00 AM	31	76%	39	95%	30	73%	38	93%	29	71%	33	81%
12:00 PM	25	61%	2	5%	26	63%	0	0%	24	59%	15	38%
1:00 PM	32	78%	31	76%	32	78%	33	80%	27	66%	31	76%
2:00 PM	34	83%	31	76%	32	78%	33	80%	25	61%	31	76%
3:00 PM	22	54%	13	32%	22	54%	9	22%	7	17%	15	36%
4:00 PM	9	22%	13	32%	9	22%	10	24%	1	2%	8	20%
5:00 PM	5	12%	4	10%	9	22%	2	5%	1	2%	4	10%
6:00 PM	8	20%	5	12%	13	32%	4	10%	0	0%	6	15%
7:00 PM	7	17%	5	12%	12	29%	4	10%	0	0%	6	14%

Total classrooms = 41

**Percent of Classrooms In Use**





## National Perspective on Classroom Utilization

Approximately half the states either have a statewide expectation or have system expectations in one or more of their public higher education systems. The lowest classroom target currently in use is 30 hours per week, which used to be a widely accepted standard. In many jurisdictions it was based on day usage only with evening and weekend usage being excluded from the expectation. Recently, a more common practice has been to use that target as an all-hours expectation. In a few states, much higher utilization targets have been adopted. The average of all systems with classroom utilization targets is around 35 hours.

The consultant has performed utilization studies for over 150 campuses, and the most common findings are between 30 to 35 average weekly hours per classroom. This is scheduled use for credit instruction. The second factor that is normally part of the utilization expectation in those jurisdictions that have adopted them is the percentage of seats filled when the rooms are in use. The most widely used number remains 60%. There has recently been a strong push to increase the utilization factor to 67%. In the many studies the consultant has conducted, the actual use tends to be between 50% and 65%. Because institutions do not ultimately control the final enrollment in a specific course, there will always be a degree of mismatch between estimated course size with systems such as the Pennsylvania State System of Higher Education (PASSHE) at 37.5 WRH and State Council of Higher Education for Virginia (SCHEV) at 38 WRH and the actual size of the course.

## Analysis Method

The utilization of classrooms and teaching laboratories was examined using the SMSU's Fall 2015 course and facilities data. The number of student stations for each classroom and teaching laboratory was first provided in the facilities inventory. Supplemental data provided by the University and field verification provided additional clarification. Scheduled use is defined as use verifiable through the Registrar's course data.

The utilization analysis includes scheduled classroom use by day and time of day, as well as classroom and teaching laboratory utilization analyzing average weekly room hour use and student station occupancy percentage. A weekly room hour, not to be confused with a credit hour, is defined as the length of time a course meets (end time minus start time) multiplied by the number of days per week throughout the semester. Student station occupancy is defined as the number of student seats filled divided by the total number of student seats in the room when the room is scheduled.

The utilization of a room is determined by calculating the average enrollment of the courses taught in a room along with total weekly student contact hours, weekly room hours and student station occupancy percentage. Weekly student contact hours are calculated by multiplying the enrollment of a course by the weekly contact, or room hours, during which the course is held. Weekly room/contact hours are determined by calculating the number of hours a course meets (start and end times) and multiplying the result by the number of days the course meets each week. Both of these factors are totaled on a room-by-room basis. If a course does not meet for a full term, the number of hours for a room is prorated by the number of weeks in a semester.

**WEEKLY ROOM/CONTACT HOURS (WRH OR WCH)** = No. of Days X ((End Time - Start Time)/60)

**WEEKLY STUDENT CONTACT HOURS (WSCH)** = Students X Weekly Room/Contact Hours

**WEEKLY STUDENT CONTACT HOUR CAPACITY** = Student Stations X Weekly Room/Contact Hours

**STUDENT STATION OCCUPANCY %** = WSCH / WSCH Capacity

**HOURS PER SEAT** = WSCH / No. of Student Stations

## ACADEMIC SPACE UTILIZATION

The student station occupancy for a room is determined by dividing the room's weekly student contact hours by the room's weekly student contact hour capacity (a course's weekly contact hours times the room's number of student stations).

The study did not include an analysis of space quality, sight lines, acoustics or equipment in the rooms. However, these characteristics or lack thereof contribute to a room's popularity and usability.

### Classroom Utilization

#### ***Classroom Utilization by Capacity Grouping***

The utilization analysis by capacity identifies how the classrooms were used by size grouping. The 41 classrooms were categorized by how many stations (student seats) are in the room. This type of an analysis highlights where there may be, for example, too many large classrooms or not enough of one or another size.

The table, *Classroom Utilization Analysis by Capacity Summary*, shows that the bulk of the classrooms on the SMSU Campus are between 36 and 50 (25 classrooms, 61% of total). The largest grouping is the 36-40 station capacity grouping with ten classrooms (24% of total).

Classroom Utilization Analysis by Capacity Summary

Classroom Capacity Grouping	No. of Rooms	No. of Seats	Average Room Size	Average ASF per Station	Average Section Size	Weekly Seat Hours	Average Weekly Room Hours	Hours in Use Student Station Occupancy %
21 - 25	1	25	452	18	11	5.3	11	48%
26 - 30	3	86	609	21	22	17.2	22	78%
31 - 35	5	174	709	20	20	9.4	16	60%
36 - 40	10	391	906	23	21	11.5	21	54%
41 - 45	7	294	851	20	23	10.7	19	57%
46 - 50	8	393	983	20	24	10.9	22	49%
51 - 60	2	114	964	17	27	14.0	29	47%
61 - 75	2	138	1,298	19	27	10.4	28	38%
101 - 150	1	150	1,955	13	51	6.1	18	34%
151 - 250	2	400	2,433	12	57	4.1	16	27%
<i>Total No. of Rooms = 41</i>	<b>AVERAGE</b>		<b>977</b>	<b>20</b>	<b>25</b>	<b>9.6</b>	<b>21</b>	<b>53%</b>

The student station occupancy ranged from 27% for the 151-250 capacity grouping (2 rooms) to 78% for the 26-30 capacity grouping (3 rooms). The average student station occupancy was 53%. The majority of the rooms (25 rooms or 61% of all classrooms) have capacities from 36-50 students and achieved student station occupancy from 49% to 57%.

The average weekly room hours vary more significantly among the classroom capacity groupings than for the student station occupancy percent. The highest average weekly room hours are for the two classrooms of 51-60 stations (29 WRH), followed closely by the two classrooms of 61-75 stations (28 WRH). At the low end of the range is one (1) room with a capacity of 21-25 seats, which was scheduled for only 11 weekly room hours. Other capacity groupings falling under the average of 21 WRH are spread across the entire range. Classrooms with 31-35 seats and with 151-250 seats are utilized at 16 WRH, those with 101-150 seats report 18 WRH of usage, classrooms with 41-45 seats report an average of 19 WRH. Classrooms at or near the average weekly room hours are those with 26-30 seats (22 WRH), 36-40 seats (21 WRH), and 46-50 seats (22 WRH).

## ACADEMIC SPACE UTILIZATION

The average ASF per station is indicative of the age of classrooms and furniture types the consultant saw during the facilities inventory validation. The overall average of 20 ASF is low for the number and mix of classrooms. Typically at an institution like SMSU, the consultant would recommend an average of 22 ASF per station. There is only one classroom capacity grouping that meets or exceed the recommendation of 22 ASF per station: 36-40. The single room in the 151-250 capacity grouping is incredibly low with only 12 ASF per student station. Most large lecture halls should be at least 18 ASF per station.

The majority of the classrooms in the study have too many chairs in the rooms forcing ASF per station down along with student station occupancy percentage. Right sizing of the classroom capacity to be more appropriate to classroom size influences not only ASF per station, but also has the potential to increase student station occupancy and weekly room hours as courses are rescheduled as a result.

### **Classroom Utilization by Building**

The utilization analysis of classrooms by building is helpful in understanding whether there are reasons classrooms are or are not well used based on campus location. For example, if there are classrooms in an older building with significant deferred maintenance and these rooms have very low average weekly room hours, it is conceivable that these rooms are not preferred due to the condition of the classrooms.

The table, *Classroom Utilization by Building Summary*, shows the number of classrooms in each building on campus and their utilization.

Classroom Utilization Analysis by Building Summary

Building Name and Id	No. of Rooms	Average Room Size	Average ASF per Station	Average Section Size	Weekly Seat Hours	Average Weekly Room Hours	Hours in Use Student Station Occupancy %
Bellows Academic Center <i>BA</i>	9	904	19	24	9.3	20	59%
Charter Hall <i>CH</i>	8	1,220	18	34	8.3	22	51%
Fine Arts <i>FA</i>	2	805	26	16	8.0	13	57%
Individual Learning Center <i>IL</i>	3	967	23	24	11.1	20	57%
Physical Education <i>PE</i>	1	1,151	29	21	14.0	28	50%
Science & Technology <i>ST</i>	3	1,230	27	23	11.2	22	50%
Science And Math <i>SM</i>	1	1,313	29	24	11.2	20	55%
Social Science <i>SS</i>	14	820	18	22	10.2	20	49%
<i>Total No. of Rooms = 41</i>	<b>AVERAGE</b>	<b>977</b>	<b>20</b>	<b>25</b>	<b>9.6</b>	<b>21</b>	<b>53%</b>

The Social Science Building has the largest number of classrooms on campus (14 classrooms; 34% of total). The Bellows Academic Center is next with nine classrooms, then Charter Hall with eight classrooms. The remaining five buildings each have three or less classrooms, accounting for ten (24%) of the 41 classrooms studied. The Physical Education Building's single classroom has the highest average weekly room hours (28 WRH). The Bellows Academic Center has the highest student station occupancy at 59%, with both the Fine Arts Building and the Individual Learning Center at 57%.

## Teaching Laboratory Utilization

### Teaching Laboratory Utilization by Building

There are 25 instructional spaces categorized as teaching laboratories. The table, *Teaching Laboratory Utilization Analysis by Building Summary*, shows the buildings in which teaching laboratories are located. Science and Math houses the bulk of the teaching laboratory space with eight teaching labs, while the Science and Technology Building has seven teaching labs.

Teaching Laboratory Utilization Analysis by Building Summary

Building Name and Id	No. of Rooms	Average Room Size	Average ASF per Station	Average Section Size	Weekly Seat Hours	Average Weekly Room Hours	Hours in Use Student Station Occupancy %	
Bellows Academic Center	BA	3	1,749	109	10	7.3	7	92%
Charter Hall	CH	2	1,061	40	19	11.9	16	72%
Fine Arts	FA	4	1,405	37	18	5.6	13	46%
Science & Technology	ST	7	1,532	65	19	5.5	7	82%
Science And Math	SM	8	1,045	44	19	3.7	5	70%
Social Science	SS	1	2,400	80	24	2.4	3	80%
<i>Total No. of Rooms = 25</i>	<b>AVERAGE</b>	<b>1,379</b>	<b>58</b>	<b>18</b>	<b>5.4</b>	<b>8</b>	<b>69%</b>	

The overall average utilization for teaching laboratories of 8 weekly room hours and 69% student station occupancy fall significantly short of the benchmarks of 24 weekly room hours and 80% student station occupancy established by institutions comparable to SMSU. Target recommendations as explained in the next section are between 18 and 24 average weekly room hours, depending on the type of laboratory. Details of the teaching laboratory utilization analysis are in the appendices of this document (*Teaching Laboratory Utilization Analysis by Building*).

### National Perspective on Teaching Laboratory Utilization

As with classroom utilization, guideline targets are usually implemented by states, systems or institutions within the public education sector. These targets tend to oversimplify the use of teaching laboratories. Some guideline targets are based on discipline while others are based on the intensity in which a discipline relies on laboratories for instructional delivery.

The most used guideline targets have expectations of 20 hours per week at an 80% student station occupancy rate. However, this is an average meant to be applied for a diversity of teaching laboratory types. Campuses with a focus on undergraduate programs and, specifically, those within the sciences and arts can typically achieve higher teaching laboratory utilization. It would not be unusual to see an average of 24 WRH at institutions similar to SMSU.

While 80% student station occupancy is most used in guideline targets, the majority of universities rarely achieve it. In reality, occupancy averages that the consultants have studied typically range between 60% and 75%.

Teaching laboratory usage has as much to do with course level, instructional methods and student research activities and capstone experiences, as it does discipline or discipline type. It is not unusual to find lower scheduled use (ten hours and under) in upper division laboratories. On the other hand, entry-level laboratories can have much higher levels of scheduled use – 22 hours or more. When more than one laboratory is required and is equipped in the same fashion as another, serious consideration should be given to making sure that a higher level of usage is being achieved. Laboratories tend to be subject specific and do not lend well to sharing among disciplines. However, more laboratories are being used for interdisciplinary activities which can assist in achieving higher weekly room hour usage. Conversely, if customized labs are required for interdisciplinary activities then scheduled use may be low.

Laboratory utilization can be more difficult to measure through standardized course data. The reasons for this are many. A laboratory is sometimes a suite of rooms that are split into activity specific functions. The students arrive for class and then rotate through the different rooms. Sometimes a class is split into smaller cohorts where some use the lab through the first half of the semester and the others use the lab for the second half. Many upper division laboratories are also used for student research activities or capstone experience and have very low regularly scheduled use.

Laboratories have additional time demands that classrooms typically do not have which is one of the reasons the hourly expectation is lower. For example, there is setup and preparation time required, sometimes for a class, sometimes for the day. Other laboratories require an experiment to stay set up for multiple lab sessions or the entire semester which precludes the room from other scheduled activity.



**APPENDIX A - CLASSROOM UTILIZATION BY BUILDING**

**APPENDIX A - CLASSROOM UTILIZATION BY BUILDING**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Classroom Utilization Analysis by Building**

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
<b>Bellows Academic Center</b> <span style="float: right;"><b>No. of Rooms = 9</b></span>									
BA 102	110	2,072	175	12	37	731	4	19.0	22%
BA 231	110	1,001	42	24	22	550	13	23.1	57%
BA 232	110	754	42	18	18	165	4	9.0	44%
BA 233	110	754	42	18	33	541	13	17.0	76%
BA 234	110	986	42	23	21	375	9	18.0	50%
BA 235	110	913	40	23	20	695	17	32.5	53%
BA 236	110	553	34	16	17	315	9	17.7	52%
BA 238	110	553	28	20	22	462	17	21.0	79%
BA 240	110	553	28	20	24	567	20	24.0	84%
<i>Average</i>		904	53	19	24		9	20	59%
<i>Total</i>		8,139	473			4,401		181	
<b>Charter Hall</b> <span style="float: right;"><b>No. of Rooms = 8</b></span>									
CH 124	110	972	39	25	33	393	10	12.0	84%
CH 201	110	2,793	225	12	76	912	4	12.0	34%
CH 204	110	1,006	50	20	27	862	17	29.1	59%
CH 206	110	670	40	17	21	675	17	32.0	53%
CH 208	110	718	39	18	16	432	11	27.1	41%
CH 217	110	1,955	150	13	51	921	6	18.0	34%
CH 219	110	972	54	18	22	577	11	25.7	42%
CH 222	110	670	35	19	22	448	13	18.4	70%
<i>Average</i>		1,220	79	18	34		8	22	51%
<i>Total</i>		9,756	632			5,219		174	
<b>Fine Arts</b> <span style="float: right;"><b>No. of Rooms = 2</b></span>									
FA 131	110	452	25	18	11	132	5	11.0	48%
FA 225	110	1,157	35	33	21	345	10	15.6	63%
<i>Average</i>		805	30	26	16		8	13	57%
<i>Total</i>		1,609	60			477		27	
<b>Individual Learning Center</b> <span style="float: right;"><b>No. of Rooms = 3</b></span>									
IL 208	110	1,128	50	23	23	643	13	27.8	46%
IL 210	110	722	30	24	21	453	15	21.5	70%
IL 214	110	1,052	50	21	29	348	7	12.0	58%
<i>Average</i>		967	43	23	24		11	20	57%
<i>Total</i>		2,902	130			1,444		61	
<b>Physical Education</b> <span style="float: right;"><b>No. of Rooms = 1</b></span>									
PE 214	110	1,151	40	29	21	559	14	28.0	50%
<i>Average</i>		1,151	40	29	21		14	28	50%
<i>Total</i>		1,151	40			559		28	



**APPENDIX A - CLASSROOM UTILIZATION BY BUILDING**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Classroom Utilization Analysis by Building**

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
<b>Science &amp; Technology</b>									<b>No. of Rooms = 3</b>
ST 216	110	1,400	40	35	24	520	13	21.0	62%
ST 218	110	1,400	69	20	25	738	11	30.0	36%
ST 252	110	891	36	25	21	360	10	16.2	62%
<i>Average</i>		1,230	48	27	23		11	22	50%
<i>Total</i>		3,691	145			1,618		67	
<b>Science And Math</b>									<b>No. of Rooms = 1</b>
SM 269	110	1,313	46	29	24	514	11	20.2	55%
<i>Average</i>		1,313	46	29	24		11	20	55%
<i>Total</i>		1,313	46			514		20	
<b>Social Science</b>									<b>No. of Rooms = 14</b>
SS 106	110	1,094	40	27	19	216	5	10.5	51%
SS 128	110	870	49	18	21	410	8	18.6	45%
SS 201	110	662	40	17	22	327	8	15.0	55%
SS 202	110	782	42	19	21	303	7	14.0	52%
SS 203	110	578	35	17	21	315	9	15.0	60%
SS 204	110	811	42	19	32	852	20	27.0	75%
SS 205	110	956	60	16	31	1,020	17	33.0	52%
SS 206	110	811	49	17	26	471	10	18.0	53%
SS 208	110	811	49	17	22	669	14	30.0	46%
SS 224	110	870	42	21	17	364	9	23.6	37%
SS 228	110	870	50	17	16	370	7	21.8	34%
SS 230	110	1,195	69	17	28	699	10	25.0	41%
SS 237	110	588	35	17	18	216	6	12.0	51%
SS 239	110	588	37	16	16	307	8	19.0	44%
<i>Average</i>		820	46	18	22		10	20	49%
<i>Total</i>		11,486	639			6,539		283	
<b>AVERAGE</b>		<b>977</b>	<b>53</b>	<b>20</b>	<b>25</b>		<b>9.6</b>	<b>21</b>	<b>53%</b>
<b>TOTAL</b>		<b>40,047</b>	<b>2,165</b>			<b>20,770</b>		<b>841</b>	
<b>NO. OF ROOMS</b>		<b>41</b>							



APPENDIX B - CLASSROOM UTILIZATION ANALYSIS BY  
CAPACITY

**APPENDIX B - CLASSROOM UTILIZATION ANALYSIS BY CAPACITY**

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
<b>Capacity Group: 21 - 25</b>								<b>No. of Rooms = 1</b>	
<b>Fine Arts</b>									
FA 131	110	452	25	18	11	132	5	11.0	48%
<b>Capacity Group: 26 - 30</b>								<b>No. of Rooms = 3</b>	
<b>Bellows Academic Center</b>									
								<b>No. of Rooms = 2</b>	
BA 238	110	553	28	20	22	462	17	21.0	79%
BA 240	110	553	28	20	24	567	20	24.0	84%
<i>Average</i>		553	28	20	23		18	23	82%
<i>Total</i>		1,106	56			1,029		45	
<b>Individual Learning Center</b>									
IL 210	110	722	30	24	21	453	15	21.5	70%
<b>26 - 30 Capacity Group Summary</b>									
<b>Average</b>		<b>609</b>	<b>29</b>	<b>21</b>	<b>22</b>		<b>17.2</b>	<b>22</b>	<b>78%</b>
<b>Total</b>		<b>1,828</b>	<b>86</b>			<b>1,482</b>		<b>67</b>	
<b>Capacity Group: 31 - 35</b>								<b>No. of Rooms = 5</b>	
<b>Bellows Academic Center</b>									
								<b>No. of Rooms = 1</b>	
BA 236	110	553	34	16	17	315	9	17.7	52%
<b>Charter Hall</b>									
CH 222	110	670	35	19	22	448	13	18.4	70%
<b>Fine Arts</b>									
FA 225	110	1,157	35	33	21	345	10	15.6	63%
<b>Social Science</b>									
								<b>No. of Rooms = 2</b>	
SS 203	110	578	35	17	21	315	9	15.0	60%
SS 237	110	588	35	17	18	216	6	12.0	51%
<i>Average</i>		583	35	17	20		8	14	56%
<i>Total</i>		1,166	70			531		27	
<b>31 - 35 Capacity Group Summary</b>									
<b>Average</b>		<b>709</b>	<b>35</b>	<b>20</b>	<b>20</b>		<b>9.4</b>	<b>16</b>	<b>60%</b>
<b>Total</b>		<b>3,546</b>	<b>174</b>			<b>1,639</b>		<b>79</b>	
<b>Capacity Group: 36 - 40</b>								<b>No. of Rooms = 10</b>	
<b>Bellows Academic Center</b>									
								<b>No. of Rooms = 1</b>	
BA 235	110	913	40	23	20	695	17	32.5	53%
<b>Charter Hall</b>									
								<b>No. of Rooms = 3</b>	
CH 124	110	972	39	25	33	393	10	12.0	84%
CH 206	110	670	40	17	21	675	17	32.0	53%

**APPENDIX B - CLASSROOM UTILIZATION ANALYSIS BY CAPACITY**

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
CH 208	110	718	39	18	16	432	11	27.1	41%
<i>Average</i>		787	39	20	23		13	24	53%
<i>Total</i>		2,360	118			1,500		71	
<b>Physical Education</b>									<b>No. of Rooms = 1</b>
PE 214	110	1,151	40	29	21	559	14	28.0	50%
<b>Science &amp; Technology</b>									<b>No. of Rooms = 2</b>
ST 216	110	1,400	40	35	24	520	13	21.0	62%
ST 252	110	891	36	25	21	360	10	16.2	62%
<i>Average</i>		1,146	38	30	23		12	19	62%
<i>Total</i>		2,291	76			880		37	
<b>Social Science</b>									<b>No. of Rooms = 3</b>
SS 106	110	1,094	40	27	19	216	5	10.5	51%
SS 201	110	662	40	17	22	327	8	15.0	55%
SS 239	110	588	37	16	16	307	8	19.0	44%
<i>Average</i>		781	39	20	19		7	15	49%
<i>Total</i>		2,344	117			850		45	
<b>36 - 40 Capacity Group Summary</b>									
<i>Average</i>		906	39	23	21		11.5	21	54%
<i>Total</i>		9,059	391			4,484		213	
<b>Capacity Group: 41 - 45</b>									<b>No. of Rooms = 7</b>
<b>Bellows Academic Center</b>									<b>No. of Rooms = 4</b>
BA 231	110	1,001	42	24	22	550	13	23.1	57%
BA 232	110	754	42	18	18	165	4	9.0	44%
BA 233	110	754	42	18	33	541	13	17.0	76%
BA 234	110	986	42	23	21	375	9	18.0	50%
<i>Average</i>		874	42	21	23		10	17	58%
<i>Total</i>		3,495	168			1,631		67	
<b>Social Science</b>									<b>No. of Rooms = 3</b>
SS 202	110	782	42	19	21	303	7	14.0	52%
SS 204	110	811	42	19	32	852	20	27.0	75%
SS 224	110	870	42	21	17	364	9	23.6	37%
<i>Average</i>		821	42	20	23		12	22	56%
<i>Total</i>		2,463	126			1,519		65	
<b>41 - 45 Capacity Group Summary</b>									
<i>Average</i>		851	42	20	23		10.7	19	57%
<i>Total</i>		5,958	294			3,150		132	

**APPENDIX B - CLASSROOM UTILIZATION ANALYSIS BY CAPACITY**

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
<b>Capacity Group: 46 - 50</b>								<b>No. of Rooms = 8</b>	
<b>Charter Hall</b>									
<b>No. of Rooms = 1</b>									
CH 204	110	1,006	50	20	27	862	17	29.1	59%
<b>Individual Learning Center</b>									
<b>No. of Rooms = 2</b>									
IL 208	110	1,128	50	23	23	643	13	27.8	46%
IL 214	110	1,052	50	21	29	348	7	12.0	58%
<i>Average</i>		1,090	50	22	26		10	20	50%
<i>Total</i>		2,180	100			991		40	
<b>Science And Math</b>									
<b>No. of Rooms = 1</b>									
SM 269	110	1,313	46	29	24	514	11	20.2	55%
<b>Social Science</b>									
<b>No. of Rooms = 4</b>									
SS 128	110	870	49	18	21	410	8	18.6	45%
SS 206	110	811	49	17	26	471	10	18.0	53%
SS 208	110	811	49	17	22	669	14	30.0	46%
SS 228	110	870	50	17	16	370	7	21.8	34%
<i>Average</i>		841	49	17	21		10	22	44%
<i>Total</i>		3,362	197			1,920		88	
<b>46 - 50 Capacity Group Summary</b>									
<i>Average</i>		983	49	20	24		10.9	22	49%
<i>Total</i>		7,861	393			4,286		178	
<b>Capacity Group: 51 - 60</b>								<b>No. of Rooms = 2</b>	
<b>Charter Hall</b>									
<b>No. of Rooms = 1</b>									
CH 219	110	972	54	18	22	577	11	25.7	42%
<b>Social Science</b>									
<b>No. of Rooms = 1</b>									
SS 205	110	956	60	16	31	1,020	17	33.0	52%
<b>51 - 60 Capacity Group Summary</b>									
<i>Average</i>		964	57	17	27		14.0	29	47%
<i>Total</i>		1,928	114			1,597		59	
<b>Capacity Group: 61 - 75</b>								<b>No. of Rooms = 2</b>	
<b>Science &amp; Technology</b>									
<b>No. of Rooms = 1</b>									
ST 218	110	1,400	69	20	25	738	11	30.0	36%
<b>Social Science</b>									
<b>No. of Rooms = 1</b>									
SS 230	110	1,195	69	17	28	699	10	25.0	41%

**APPENDIX B - CLASSROOM UTILIZATION ANALYSIS BY CAPACITY**

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
<b>61 - 75 Capacity Group Summary</b>									
	<b>Average</b>	<b>1,298</b>	<b>69</b>	<b>19</b>	<b>27</b>		<b>10.4</b>	<b>28</b>	<b>38%</b>
	<b>Total</b>	<b>2,595</b>	<b>138</b>			<b>1,437</b>		<b>55</b>	
<b>Capacity Group: 101 - 150</b>								<b>No. of Rooms = 1</b>	
<b>Charter Hall</b>									
CH 217	110	1,955	150	13	51	921	6	18.0	34%
<b>Capacity Group: 151 - 250</b>								<b>No. of Rooms = 2</b>	
<b>Bellows Academic Center</b>									
BA 102	110	2,072	175	12	37	731	4	19.0	22%
<b>Charter Hall</b>									
CH 201	110	2,793	225	12	76	912	4	12.0	34%
<b>151 - 250 Capacity Group Summary</b>									
	<b>Average</b>	<b>2,433</b>	<b>200</b>	<b>12</b>	<b>57</b>		<b>4.1</b>	<b>16</b>	<b>27%</b>
	<b>Total</b>	<b>4,865</b>	<b>400</b>			<b>1,643</b>		<b>31</b>	
<b>CAMPUS</b>									
	<b>AVERAGE</b>	<b>977</b>	<b>53</b>	<b>20</b>	<b>25</b>		<b>9.6</b>	<b>21</b>	<b>53%</b>
	<b>TOTAL</b>	<b>40,047</b>	<b>2,165</b>			<b>20,770</b>		<b>841</b>	
	<b>NO. OF ROOMS</b>	<b>41</b>							





**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS:  
DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 102**

Space Use Code: *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>19</b>	Weekly Student Contact Hours:	<b>731</b>
Hours in Use Student Station Occupancy:	<b>22%</b>	Average Enrollment:	<b>37</b>
Assignable Sq. Ft./Station:	<b>12</b>	Capacity:	<b>175</b>
		Assignable Square Feet:	<b>2,072</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	8:50 AM	TR	IDST 110 06	The University Experience	LEC	2	24	2	24	48	14%
9:30 AM	10:20 AM	MW	IDST 110 05	The University Experience	LEC	2	25	2	25	50	14%
10:30 AM	11:20 AM	MWF	BIOL 201 01	Introduction to Biodiversity & Evolutio	LEC	3	48	3	48	144	27%
10:30 AM	11:45 AM	TR	PSYC 340 01	Developmental Psychology	LEC	3	31	3	31	93	18%
1:30 PM	2:20 PM	MWF	CHEM 121 01	Basic Chemistry	LEC	3	50	3	50	150	29%
1:30 PM	2:45 PM	TR	ED 101 02	Introduction to Education and Lab	LAB	3	29	3	29	87	17%
6:00 PM	8:30 PM	M	EXSC 225 01	Nutrition	LEC	3	53	3	53	159	30%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 231**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>23</b>	Weekly Student Contact Hours:	<b>550</b>
Hours in Use Student Station Occupancy:	<b>57%</b>	Average Enrollment:	<b>22</b>
Assignable Sq. Ft./Station:	<b>24</b>	Capacity:	<b>42</b>
		Assignable Square Fe	<b>1,001</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	8:50 AM	TR	IDST 110 08	The University Experience	LEC	2	25	2	25	50	60%
8:30 AM	9:20 AM	MWF	MATH 110 01	College Algebra	LEC	3	37	3	37	111	88%
9:00 AM	9:50 AM	TR	PE 334 01	Theory of Coaching of Football	LEC	2	10	2	10	20	24%
10:30 AM	11:20 AM	MTWRF	MATH 150 01A	Calculus I	LEC	5	30	5	30	150	71%
1:30 PM	2:20 PM	MWF	MATH 110 02	College Algebra	LEC	3	35	3	35	105	83%
1:30 PM	2:45 PM	TR	ENG 100 01	Introduction to Academic Writing	LEC	3	22	3	22	66	52%
2:30 PM	3:10 PM	MW	EXSC 101 01	Introduction to Exercise Science	LEC	1.3	20	1.3	20	26	48%
4:30 PM	5:45 PM	TR	ENG 480 01	Tutoring Writing	LEC	0.8	4	3	8	15	12%
4:30 PM	5:45 PM	TR	ENG 490 01	Contemporary Composition Theory a	LEC	3	4				
6:00 PM	8:50 PM	W	ENG 289 01	Introduction to Professional Writing	LEC	0.8	8	0.8	8	6	19%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 232**

**Space Use Code:** Classroom

Department: **Instruction**

Weekly Room Hours:	<b>9</b>	Weekly Student Contact Hours:	<b>165</b>
Hours in Use Student Station Occupancy:	<b>44%</b>	Average Enrollment:	<b>18</b>
Assignable Sq. Ft./Station:	<b>18</b>	Capacity:	<b>42</b>
		Assignable Square Fe	<b>754</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	MW	LEP 100 09 FYS:Food: Just What are We Eating	LEC	3	27	3	27	81	64%
1:30 PM	2:20 PM	MWF	PE 301 01 Theory of Coaching	LEC	3	16	3	16	48	38%
2:30 PM	3:45 PM	MW	LIT 264 01 World Drama	LEC	3	12	3	12	36	29%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 233**

**Space Use Code:** Classroom

Department: **Instruction**

Weekly Room Hours:	<b>17</b>	Weekly Student Contact Hours:	<b>541</b>
Hours in Use Student Station Occupancy:	<b>76%</b>	Average Enrollment:	<b>33</b>
Assignable Sq. Ft./Station:	<b>18</b>	Capacity:	<b>42</b>
		Assignable Square Fe	<b>754</b>

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:30 AM	11:20 AM	MTWRF	MATH 135 01A Precalculus	LEC	5	26	5	26	130	62%
12:30 PM	1:20 PM	MWF	MATH 110 03 College Algebra	LEC	3	40	3	40	120	95%
1:30 PM	2:20 PM	MWF	MATH 101 01 Great Ideas of Mathematics	LEC	3	35	3	35	105	83%
1:30 PM	2:45 PM	TR	ENG 151 02 Academic Writing	LEC	3	26	3	26	78	62%
2:30 PM	3:20 PM	MWF	MATH 110 04 College Algebra	LEC	3	36	3	36	108	86%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 234**

Space Use Code: *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>18</b>	Weekly Student Contact Hours:	<b>375</b>
Hours in Use Student Station Occupancy:	<b>50%</b>	Average Enrollment:	<b>21</b>
Assignable Sq. Ft./Station:	<b>23</b>	Capacity:	<b>42</b>
		Assignable Square Fe	<b>986</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:20 AM	MWF	MATH 200 02A Introduction to Statistics	LEC	3	30	3	30	90	71%
9:00 AM	10:15 AM	TR	COMM 215 01 Oral Interpretation	LEC	3	15	3	15	45	36%
10:30 AM	11:20 AM	MWF	MATH 440 01 Abstract Algebra	LEC	3	12	3	12	36	29%
10:30 AM	11:45 AM	TR	COMM 303 01 Advanced Public Speaking	LEC	3	20	3	20	60	48%
11:30 AM	12:20 PM	MWF	MATH 200 01A Introduction to Statistics	LEC	3	29	3	29	87	69%
1:30 PM	2:45 PM	TR	PHIL 103 02 Ethics	LEC	3	19	3	19	57	45%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 235**

**Space Use Code:** *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>33</b>	Weekly Student Contact Hours:	<b>695</b>
Hours in Use Student Station Occupancy:	<b>53%</b>	Average Enrollment:	<b>20</b>
Assignable Sq. Ft./Station:	<b>23</b>	Capacity:	<b>40</b>
		Assignable Square Fe	<b>913</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %	
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH		
8:30 AM	9:20 AM	MF	EXSC 475 01A	Measurement & Evaluation	LEC	2	13	2	13	26	33%
9:00 AM	10:15 AM	TR	ENG 107 01	Introduction to Creative Writing	LEC	3	24	3	24	72	60%
9:30 AM	10:20 AM	MWF	LIT 306 01	Craft and Theory: Prose and Poetry	LEC	3	10	3	10	30	25%
10:30 AM	11:45 AM	TR	LEP 100 07	FYS:What Can We Know?	LEC	3	27	3	27	81	68%
11:30 AM	12:20 PM	MWF	COMP 164 01	Essentials of Computer Science	LEC	3	23	3	23	69	58%
12:30 PM	1:20 PM	MWF	COMP 164 02	Essentials of Computer Science	LEC	3	21	3	21	63	53%
1:30 PM	2:20 PM	MWF	SOCI 203 01	Sociology Seminar	LEC	3	15	3	15	45	38%
1:30 PM	2:45 PM	TR	LIT 304 01	American Authors Short Course: Mar	LEC	0.8	9	0.8	9	7	23%
2:30 PM	3:45 PM	MW	PHIL 101 01	Critical Thinking	LEC	3	25	3	25	75	63%
3:00 PM	4:15 PM	TR	ENG 251 01	Writing in Professions	LEC	3	28	3	28	84	70%
4:30 PM	7:20 PM	R	ENG 100 04	Introduction to Academic Writing	LEC	3	25	3	25	75	63%
5:00 PM	7:40 PM	W	PHIL 107 01	Environmental Ethics	LEC	2.7	25	2.7	25	68	63%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 236**

Space Use Code: *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>18</b>	Weekly Student Contact Hours:	<b>315</b>
Hours in Use Student Station Occupancy:	<b>52%</b>	Average Enrollment:	<b>17</b>
Assignable Sq. Ft./Station:	<b>16</b>	Capacity:	<b>34</b>
		Assignable Square Fe	<b>553</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	MATH 115 01 Finite Mathematics	LEC	3	23	3	23	69	68%
10:30 AM	11:20 AM	MWF	ENG 151 06 Academic Writing	LEC	3	26	3	26	78	76%
10:30 AM	11:45 AM	TR	LEP 400 06 CIS: The Problem of Obedience to Au	LEC	3	25	3	25	75	74%
1:30 PM	2:45 PM	TR	PHIL 340 01 Logic	LEC	3	9	3	9	27	26%
2:30 PM	3:20 PM	M	AGED 201 01 Communication & Leadership Skills f	LEC	1	3	1	3	3	9%
3:00 PM	4:15 PM	T	LEP 100 06 FYS: Joy, Sorrow, Death, & Triumph:	LEC	1.5	26	1.5	26	39	76%
3:30 PM	4:45 PM	MW	PHIL 331 01 History of Philosophy: Social & Politic	LEC	3	7	3	7	21	21%
6:00 PM	9:00 PM	W	PE 301L 01 Theory of Coaching Lab	LAB	0.2	16	0.2	16	3	47%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 238**

Space Use Code: *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>21</b>	Weekly Student Contact Hours:	<b>462</b>
Hours in Use Student Station Occupancy:	<b>79%</b>	Average Enrollment:	<b>22</b>
Assignable Sq. Ft./Station:	<b>20</b>	Capacity:	<b>28</b>
		Assignable Square Fe	<b>553</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	MBA 670 41	Financial Analysis	LEC	3	26	3	26	78	93%
9:30 AM	10:20 AM	MWF	COMM 110 02	Essentials of Speaking and Listening	LEC	3	27	3	27	81	96%
10:30 AM	11:20 AM	MWF	LEP 100 03	FYS:What Can We Know?	LEC	3	26	3	26	78	93%
10:30 AM	11:45 AM	TR	ENG 100 02	Introduction to Academic Writing	LEC	3	21	3	21	63	75%
11:30 AM	12:20 PM	MWF	COMM 210 01	Introduction to Public Relation	LEC	3	16	3	16	48	57%
1:30 PM	2:20 PM	MWF	COMM 110 01	Essentials of Speaking and Listening	LEC	3	25	3	25	75	89%
3:00 PM	4:15 PM	TR	LEP 400 07	CIS: Sustainability: What's Beyond th	LEC	3	13	3	13	39	46%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Bellows Academic Center • BA 240**

Space Use Code: *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>24</b>	Weekly Student Contact Hours:	<b>567</b>
Hours in Use Student Station Occupancy:	<b>84%</b>	Average Enrollment:	<b>24</b>
Assignable Sq. Ft./Station:	<b>20</b>	Capacity:	<b>28</b>
		Assignable Square Fe	<b>553</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
9:00 AM	10:15 AM	TR	ENG 100 03	Introduction to Academic Writing	LEC	3	22	3	22	66	79%
10:30 AM	11:20 AM	MWF	ENG 151 08	Academic Writing	LEC	3	27	3	27	81	96%
10:30 AM	11:45 AM	TR	MGMT 330 01	Organizational Behavior and Theory	LEC	3	15	3	15	45	54%
1:30 PM	2:20 PM	MWF	ENG 151 01	Academic Writing	LEC	3	25	3	25	75	89%
1:30 PM	2:45 PM	TR	LEP 400 05	CIS: Through the Eyes of Hip-Hop	LEC	3	25	3	25	75	89%
2:30 PM	3:45 PM	MW	ENG 151 03	Academic Writing	LEC	3	25	3	25	75	89%
3:00 PM	4:15 PM	TR	LEP 400 04	CIS: Through the Eyes of Hip-Hop	LEC	3	23	3	23	69	82%
4:00 PM	5:15 PM	MW	ENG 151 05	Academic Writing	LEC	3	27	3	27	81	96%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Charter Hall • CH 124**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>12</b>	Weekly Student Contact Hours:	<b>393</b>
Hours in Use Student Station Occupancy:	<b>84%</b>	Average Enrollment:	<b>33</b>
Assignable Sq. Ft./Station:	<b>25</b>	Capacity:	<b>39</b>
		Assignable Square Fe	<b>972</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:30 AM	10:20 AM	MWF	ACCT 211 01 Principles of Accounting I	LEC	3	39	3	39	117	100%
10:30 AM	11:20 AM	MWF	ACCT 211 02 Principles of Accounting I	LEC	3	38	3	38	114	97%
1:30 PM	2:20 PM	MWF	ACCT 311 01 Intermediate Accounting I	LEC	3	29	3	29	87	74%
2:30 PM	3:20 PM	MWF	ACCT 401 01 Advanced Accounting	LEC	3	25	3	25	75	64%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Charter Hall • CH 201**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>12</b>	Weekly Student Contact Hours:	<b>912</b>
Hours in Use Student Station Occupancy:	<b>34%</b>	Average Enrollment:	<b>76</b>
Assignable Sq. Ft./Station:	<b>12</b>	Capacity:	<b>225</b>
		Assignable Square Fe	<b>2,793</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:20 AM	MWF	BIOL 200 01	Introduction to Cellular Biology	LEC	3	100	3	100	300	44%
9:30 AM	10:20 AM	MWF	ENVS 180 01	Environmental Science: Introduction	LEC	3	74	3	74	222	33%
10:30 AM	11:45 AM	TR	ENVS 101 01	Physical Geology	LEC	3	56	3	56	168	25%
1:30 PM	2:20 PM	MWF	BIOL 100 01	Biology in the Modern World	LEC	3	74	3	74	222	33%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Charter Hall • CH 204**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>29</b>	Weekly Student Contact Hours:	<b>862</b>
Hours in Use Student Station Occupancy:	<b>59%</b>	Average Enrollment:	<b>27</b>
Assignable Sq. Ft./Station:	<b>20</b>	Capacity:	<b>50</b>
		Assignable Square Fe	<b>1,006</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
8:30 AM	9:20 AM	MWF	FIN 457 01 Corporate Finance I	LEC	3	38	3	38	114	76%
9:00 AM	10:15 AM	TR	ENG 151 04 Academic Writing	LEC	3	27	3	27	81	54%
9:30 AM	10:20 AM	MWF	ACCT 212 01 Principles of Accounting II	LEC	3	30	3	30	90	60%
10:30 AM	11:20 AM	MWF	FIN 350 01 Managerial Finance	LEC	3	41	3	41	123	82%
10:30 AM	11:45 AM	TR	ENG 151 07 Academic Writing	LEC	3	27	3	27	81	54%
11:30 AM	12:20 PM	MWF	ECON 202 01 Principles of Macroeconomics	LEC	3	39	3	39	117	78%
1:30 PM	2:20 PM	MWF	ECON 210 01 Introduction to Cooperatives	LEC	3	36	3	36	108	72%
1:30 PM	2:45 PM	TR	FIN 370 01 Capital Budgeting	LEC	3	26	3	26	78	52%
2:30 PM	3:20 PM	MW	IDST 110 02 The University Experience	LEC	2	18	2	18	36	36%
3:30 PM	5:30 PM	W	FIN 495 01 Senior Examination	LEC	0.1	7	0.1	7	1	14%
6:00 PM	8:50 PM	M	MBA 684 01 Managerial Economics	LEC	3	11	3	11	33	22%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Charter Hall • CH 206**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>32</b>	Weekly Student Contact Hours:	<b>675</b>
Hours in Use Student Station Occupancy:	<b>53%</b>	Average Enrollment:	<b>21</b>
Assignable Sq. Ft./Station:	<b>17</b>	Capacity:	<b>40</b>
		Assignable Square Fe	<b>670</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
9:00 AM	10:15 AM	TR	COMM 110 05	Essentials of Speaking and Listening	LEC	3	26	3	26	78	65%
9:30 AM	10:20 AM	MWF	COMM 360 01	Organizational Communication	LEC	3	21	3	21	63	53%
10:30 AM	11:20 AM	MW	IDST 110 09	The University Experience	LEC	2	18	2	18	36	45%
10:30 AM	11:45 AM	TR	ED 315 02	Play & Creative Activities & Lab	LEC	3	13	3	13	39	33%
12:30 PM	1:20 PM	MWF	ED 301 01	The Teaching & Learning Process &	LAB	3	11	3	11	33	28%
1:30 PM	2:20 PM	MWF	ECON 201 01	Principles of Microeconomics	LEC	3	34	3	34	102	85%
1:30 PM	2:45 PM	TR	COMM 112 01	Television Production	LEC	3	16	3	16	48	40%
3:00 PM	4:15 PM	MW	SPED 290 01	Introduction to Special Needs and La	LEC	3	27	3	27	81	68%
5:30 PM	8:20 PM	M	COMM 110 04	Essentials of Speaking and Listening	LEC	3	26	3	26	78	65%
6:00 PM	9:00 PM	R	MBA 685 40	Strategic Management and Policy	LEC	3	27	3	27	81	68%
6:00 PM	8:50 PM	W	MGMT 492 01	Business Policy	LEC	3	12	3	12	36	30%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Charter Hall • CH 208**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>27</b>	Weekly Student Contact Hours:	<b>432</b>
Hours in Use Student Station Occupancy:	<b>41%</b>	Average Enrollment:	<b>16</b>
Assignable Sq. Ft./Station:	<b>18</b>	Capacity:	<b>39</b>
		Assignable Square Fe	<b>718</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:55 AM	TR	ECON 201 02	Principles of Microeconomics	LEC	3.1	32	3.1	32	99	82%
9:30 AM	10:20 AM	MWF	AGBU 365 01	Farm and Ranch Management I	LEC	3	11	3	11	33	28%
10:30 AM	11:20 AM	MWF	FIN 365 01	Personal Financial Planning	LEC	3	11	3	11	33	28%
10:30 AM	11:45 AM	TR	ECON 390 01	Economic Development	LEC	3	13	3	13	39	33%
11:30 AM	12:20 PM	MWF	AGBU 330 01	Commodity Futures & Options Tradin	LEC	3	16	3	16	48	41%
12:30 PM	1:20 PM	MWF	FIN 375 01	Investments	LEC	3	10	3	10	30	26%
1:30 PM	2:20 PM	MWF	IDST 110 01	The University Experience	LEC	3	22	3	22	66	56%
1:30 PM	2:45 PM	TR	ECON 202 02	Principles of Macroeconomics	LEC	3	19	3	19	57	49%
2:30 PM	3:20 PM	MWF	FIN 492 01	Financial Policy	LEC	3	9	3	9	27	23%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Charter Hall • CH 217**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>18</b>	Weekly Student Contact Hours:	<b>921</b>
Hours in Use Student Station Occupancy:	<b>34%</b>	Average Enrollment:	<b>51</b>
Assignable Sq. Ft./Station:	<b>13</b>	Capacity:	<b>150</b>
		Assignable Square Fe	<b>1,955</b>

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	EXSC 100 01	Anatomical Kinesiology	LEC	3	65	3	65	195	43%
9:30 AM	10:20 AM	MWF	BIOL 100 02	Biology in the Modern World	LEC	3	64	3	64	192	43%
10:30 AM	11:20 AM	MWF	BIOL 305 01	Human Anatomy & Physiology I	LEC	3	52	3	52	156	35%
10:30 AM	11:45 AM	TR	POL 120 01	American National Government	LEC	3	52	3	52	156	35%
12:30 PM	1:20 PM	MWF	ECON 201 03	Principles of Microeconomics	LEC	3	34	3	34	102	23%
1:30 PM	2:20 PM	MWF	CHEM 231 01	General Chemistry I	LEC	3	40	3	40	120	27%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Charter Hall • CH 219**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>26</b>	Weekly Student Contact Hours:	<b>577</b>
Hours in Use Student Station Occupancy:	<b>42%</b>	Average Enrollment:	<b>22</b>
Assignable Sq. Ft./Station:	<b>18</b>	Capacity:	<b>54</b>
		Assignable Square Fe	<b>972</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %	
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH		
9:00 AM	9:50 AM	TR	IDST 110 07	The University Experience	LEC	2	19	2	19	38	35%
9:30 AM	10:20 AM	MWF	POL 117 01	Introduction to Government & Politics	LEC	3	28	3	28	84	52%
10:30 AM	11:20 AM	MWF	BADM 305 01	Business Law I	LEC	3	26	3	26	78	48%
10:30 AM	11:45 AM	TR	EXSC 490 01	Fitness Assessment & Exercise Pres	LEC	3	28	3	28	84	52%
11:30 AM	12:20 PM	MWF	ACCT 350 01	Federal Tax I	LEC	3	32	3	32	96	59%
1:30 PM	2:20 PM	MWF	FIN 360 01	Insurance and Risk Management	LEC	3	13	3	13	39	24%
1:30 PM	2:45 PM	TR	LEP 100 11	FYS: Fitness, Fads, and Myths of He	LEC	3	27	3	27	81	50%
3:00 PM	4:15 PM	MW	MGMT 323 01	Project Management	LEC	3	12	3	12	36	22%
6:00 PM	8:40 PM	W	COMM 410 01	Communication Analysis	LEC	2.7	15	2.7	15	41	28%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Charter Hall • CH 222**

**Space Use Code:** Classroom

Department: **Instruction**

Weekly Room Hours:	<b>18</b>	Weekly Student Contact Hours:	<b>448</b>
Hours in Use Student Station Occupancy:	<b>70%</b>	Average Enrollment:	<b>22</b>
Assignable Sq. Ft./Station:	<b>19</b>	Capacity:	<b>35</b>
		Assignable Square Fe	<b>670</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
9:00 AM	10:15 AM	TR	LEP 100 05	FYS: Memory in Young Adult Fiction	LEC	3	25	3	25	75	71%
9:30 AM	10:20 AM	MWF	PHIL 100 01	Introduction to Philosophy	LEC	3	30	3	30	90	86%
10:30 AM	11:45 AM	R	CULG 400 01	Culinary Trends and Innovations	LEC	1.5	19	1.5	19	29	54%
10:30 AM	11:45 AM	T	ENG 251 03	Writing in Professions	LEC	1.5	27	1.5	27	41	77%
11:30 AM	12:20 PM	MW	IDST 110 03	The University Experience	LEC	2	23	2	23	46	66%
1:30 PM	2:20 PM	MWF	MGMT 101 01	Introduction to Business	LEC	3	28	3	28	84	80%
2:30 PM	3:20 PM	MWF	FIN 492 01A	Financial Policy	LEC	0.4	9	0.4	9	4	26%
4:00 PM	4:50 PM	M	COMM 161 01	Communication Activities: Forensics	LEC	1	14	1	14	14	40%
5:30 PM	8:20 PM	W	COMM 110 06	Essentials of Speaking and Listening	LEC	3	22	3	22	66	63%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Fine Arts • FA 131**

Space Use Code: Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>11</b>	Weekly Student Contact Hours:	<b>132</b>
Hours in Use Student Station Occupancy:	<b>48%</b>	Average Enrollment:	<b>11</b>
Assignable Sq. Ft./Station:	<b>18</b>	Capacity:	<b>25</b>
		Assignable Square Fe	<b>452</b>

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:30 AM	10:20 AM	MWF	MUS 391 01	Teaching Music in Elementary School	LEC	3	20	3	20	60	80%
10:30 AM	11:20 AM	MW	MUS 272 01	Music Theory III	LEC	2	7	2	7	14	28%
10:30 AM	11:20 AM	TR	MUS 272L 31	Music Theory Lab III	LAB	2	7	2	7	14	28%
1:30 PM	2:20 PM	MW	MUS 172 01	Music Theory I	LEC	2	11	2	11	22	44%
1:30 PM	2:20 PM	TR	MUS 172L 31	Music Theory I Lab	LAB	2	11	2	11	22	44%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Fine Arts • FA 225**

Space Use Code: Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>16</b>	Weekly Student Contact Hours:	<b>345</b>
Hours in Use Student Station Occupancy:	<b>63%</b>	Average Enrollment:	<b>21</b>
Assignable Sq. Ft./Station:	<b>33</b>	Capacity:	<b>35</b>
		Assignable Square Fe	<b>1,157</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	LEP 100 04 FYS: Baseball in Film	LEC	3	27	3	27	81	77%
9:00 AM	11:00 AM	W	GOLD 1000 10A The Art Nouveau Movement: A Brief	LEC	0.6	15	0.6	15	9	43%
10:30 AM	11:45 AM	TR	SPAN 342 01 Latin American Culture & Civilization	LEC	3	7	3	7	21	20%
12:30 PM	1:20 PM	MWF	LEP 100 12 FYS: Baseball in Film	LEC	3	27	3	27	81	77%
1:30 PM	2:45 PM	TR	COMM 110 03 Essentials of Speaking and Listening	LEC	3	26	3	26	78	74%
3:00 PM	4:15 PM	TR	ART 150 01A Art History I	LEC	3	25	3	25	75	71%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Individual Learning Center • IL 208**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>28</b>	Weekly Student Contact Hours:	<b>643</b>
Hours in Use Student Station Occupancy:	<b>46%</b>	Average Enrollment:	<b>23</b>
Assignable Sq. Ft./Station:	<b>23</b>	Capacity:	<b>50</b>
		Assignable Square Fe	<b>1,128</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
8:30 AM	9:45 AM	MW	ED 101 01	Introduction to Education and Lab	LAB	3	27	3	27	81	54%
9:00 AM	12:00 PM	F	MBA 685 41	Strategic Management and Policy	LEC	0.2	26	0.2	26	5	52%
9:00 AM	12:00 PM	F	MBA 685 41A	Strategic Management and Policy	LEC	3	26	3	26	78	52%
9:00 AM	10:15 AM	TR	ED 402 01	Early Literacy and Linguistics & Lab	LEC	3	18	3	18	54	36%
10:30 AM	11:45 AM	TR	ED 402 02	Early Literacy and Linguistics & Lab	LEC	3	23	3	23	69	46%
1:30 PM	2:45 PM	MW	MGMT 300 02	Management Principles	LEC	3	27	3	27	81	54%
1:30 PM	2:45 PM	TR	ED 344 01	Elementary Social Sciences Methods	LEC	3	24	3	24	72	48%
3:00 PM	5:30 PM	T	ED 331 01	Infants and Toddlers	LEC	3	30	3	30	90	60%
3:30 PM	5:45 PM	F	CULG 430 01	Unit Operations in Food Processing	LEC	2.3	17	2.3	17	39	34%
4:45 PM	7:00 PM	W	ED 402 03	Early Literacy and Linguistics & Lab	LEC	2.3	6	2.3	12	28	24%
4:45 PM	7:00 PM	W	ED 502 01	Early Literacy and Linguistics	LEC	2.3	6				
7:30 PM	9:30 PM	W	ED 625 01	21st Century Based Teaching and Le	LEC	2	23	2	23	46	46%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Individual Learning Center • IL 210**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>22</b>	Weekly Student Contact Hours:	<b>453</b>
Hours in Use Student Station Occupancy:	<b>70%</b>	Average Enrollment:	<b>21</b>
Assignable Sq. Ft./Station:	<b>24</b>	Capacity:	<b>30</b>
		Assignable Square Feet:	<b>722</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %	
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH		
7:30 AM	8:45 AM	TR	ED 361 01B	Mathematics Methods/Assessments	LAB	0.4	19	0.4	19	8	63%
7:30 AM	8:45 AM	TR	ED 361 01C	Mathematics Methods/Assessments	LAB	1.9	19	1.9	19	36	63%
7:45 AM	8:30 AM	TR	ED 361 01E	Mathematics Methods/Assessments	LAB	0.1	19	0.1	19	2	63%
9:00 AM	10:15 AM	TR	ED 361 02	Mathematics Methods/Assessments	LAB	3	25	3	25	75	83%
10:30 AM	11:45 AM	TR	ED 220 01	ELA (English Language Arts) Method	LEC	3	24	3	24	72	80%
1:30 PM	3:10 PM	M	ED 275 01	Foundations: Parent-Child Relationsh	LEC	2	16	2	16	32	53%
1:30 PM	2:45 PM	R	CULG 350 01	Aromatics and Flavors	LEC	1.5	20	1.5	20	30	67%
1:30 PM	2:20 PM	W	ED 443 02	Action Research I	LEC	1	21	1	21	21	70%
3:00 PM	4:25 PM	R	ED 453 01	Assessment in Education	LEC	1.6	30	1.6	30	48	100%
3:00 PM	3:50 PM	T	ED 443 01	Action Research I	LEC	1	25	1	25	25	83%
3:30 PM	5:10 PM	W	ED 346 01	Children's Literature	LEC	2	12	2	12	24	40%
4:45 PM	6:30 PM	M	HLTH 491 01	Elementary School Health Education	LEC	2	29	2	29	58	97%
5:30 PM	7:25 PM	W	ED 621 01	Critical Theory of Educational System	LEC	2	11	2	11	22	37%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Individual Learning Center • IL 214**

Space Use Code: *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>12</b>	Weekly Student Contact Hours:	<b>348</b>
Hours in Use Student Station Occupancy:	<b>58%</b>	Average Enrollment:	<b>29</b>
Assignable Sq. Ft./Station:	<b>21</b>	Capacity:	<b>50</b>
		Assignable Square Fe	<b>1,052</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	11:30 AM	M	MBA 603 40	Organization and Managerial Behavio	LEC	3	27	3	27	81	54%
10:30 AM	11:45 AM	TR	ED 101 03	Introduction to Education and Lab	LAB	3	33	3	33	99	66%
1:30 PM	2:45 PM	TR	ED 251 01	Introduction to Child Growth & Develo	LEC	3	30	3	30	90	60%
2:00 PM	5:00 PM	M	MBA 603 41	Organization and Managerial Behavio	LEC	3	26	3	26	78	52%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS

Scheduled Utilization

Physical Education • PE 214

Space Use Code: Classroom

Department:	Instruction		
Weekly Room Hours:	28	Weekly Student Contact Hours:	559
Hours in Use Student Station Occupancy:	50%	Average Enrollment:	21
Assignable Sq. Ft./Station:	29	Capacity:	40
		Assignable Square Fe	1,151

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	8:50 AM	MWF	PE 210 01	Methods of Adapted Physical Educat	LEC	3	12	3	12	36	30%
8:00 AM	8:50 AM	TR	HLTH 110 02	First Aid and Safety/CPR	LEC	2	18	2	18	36	45%
9:00 AM	9:50 AM	TR	HLTH 110 01	First Aid and Safety/CPR	LEC	2	23	2	23	46	58%
10:30 AM	11:20 AM	MWF	PE 401 01B	K-12 Physical Education Methods	LEC	3	15	3	15	45	38%
10:30 AM	11:45 AM	TR	EXSC 300 01	Biomechanics of Human Motion	LEC	3	30	3	30	90	75%
11:30 AM	12:20 PM	MWF	PE 478 01	Recreation & Sports Mgmt	LEC	3	13	3	17	51	43%
11:30 AM	12:20 PM	MWF	PE 578 01	Recreation and Sport Management	LEC	3	4				
12:30 PM	1:20 PM	MW	PE 101 01	Introduction to Health and Physical E	LEC	2	26	2	26	52	65%
1:30 PM	2:20 PM	MW	PE 381 01A	Elementary School Physical Educati	LEC	2	17	2	17	34	43%
6:00 PM	9:00 PM	R	EXSC 100 50	Anatomical Kinesiology	LEC	3	13	3	13	39	33%
6:00 PM	8:30 PM	W	PE 484 01	Planning Facilities for Physical Activiti	LEC	3	14	3	16	48	40%
6:00 PM	8:30 PM	W	PE 584 01	Planning Facilities for Physical Activiti	LEC	3	2				
6:30 PM	8:10 PM	M	EXSC 201 01	Sport Psychology	LEC	2	41	2	41	82	103%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Science & Technology • ST 216**

Space Use Code: *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>21</b>	Weekly Student Contact Hours:	<b>520</b>
Hours in Use Student Station Occupancy:	<b>62%</b>	Average Enrollment:	<b>24</b>
Assignable Sq. Ft./Station:	<b>35</b>	Capacity:	<b>40</b>
		Assignable Square Fe	<b>1,400</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	LEP 100 08 FYS: Social Media Influence in Popul	LEC	3	26	3	26	78	65%
10:30 AM	11:20 AM	MWF	ART 100 01 Introduction to Visual Arts	LEC	3	30	3	30	90	75%
10:30 AM	12:30 PM	T	AGRO 132 02 Principles & Practices of Crop Produc	LEC	2	13	2	13	26	33%
11:30 AM	12:20 PM	MWF	ART 100 02 Introduction to Visual Arts	LEC	3	28	3	28	84	70%
1:30 PM	2:20 PM	MW	EXSC 400 01 Motor Learning & Development	LEC	2	20	2	20	40	50%
1:30 PM	2:45 PM	TR	MKTG 301 02 Principles of Marketing	LEC	3	30	3	30	90	75%
2:30 PM	3:20 PM	MWF	BIOL 311 01 Ecology	LEC	3	24	3	24	72	60%
3:00 PM	5:00 PM	R	AGRO 132 01A Principles & Practices of Crop Produc	LEC	2	20	2	20	40	50%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Science & Technology • ST 218**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>30</b>	Weekly Student Contact Hours:	<b>738</b>
Hours in Use Student Station Occupancy:	<b>36%</b>	Average Enrollment:	<b>25</b>
Assignable Sq. Ft./Station:	<b>20</b>	Capacity:	<b>69</b>
		Assignable Square Fe	<b>1,400</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:20 AM	MWF	MKTG 381 01	Advertising Management	LEC	3	18	3	18	54	26%
9:00 AM	10:15 AM	TR	MBA 541 01	Marketing Research	LEC	3	3	3	35	105	51%
9:00 AM	10:15 AM	TR	MKTG 441 01	Marketing Research	LEC	3	32				
10:30 AM	11:20 AM	MWF	MBA 561 01	Entrepreneurship	LEC	3	7	3	22	66	32%
10:30 AM	11:20 AM	MWF	MKTG 461 01	Entrepreneurship	LEC	3	15				
10:30 AM	11:45 AM	TR	MKTG 391 01	Consumer Behavior	LEC	3	13	3	13	39	19%
11:30 AM	12:20 PM	MWF	MKTG 321 01	Retail Management	LEC	3	10	3	10	30	14%
1:30 PM	2:20 PM	MWF	MBA 521 01	Business to Business Marketing	LEC	3	16	3	52	156	75%
1:30 PM	2:20 PM	MWF	MKTG 421 01	Business-to-Business Marketing	LEC	3	36				
1:30 PM	2:45 PM	TR	MKTG 331 01	Professional Selling	LEC	3	24	3	24	72	35%
2:30 PM	3:20 PM	M	CULG 100 01	Introduction to Culinology	LEC	1	22	1	22	22	32%
6:00 PM	9:00 PM	R	MBA 607 01	Strategic Marketing Management	LEC	3	16	3	16	48	23%
6:00 PM	9:00 PM	T	MBA 681 01	International Business & Leadership	LEC	3	22	3	22	66	32%
6:30 PM	8:20 PM	W	CHEM 231L 34	General Chemistry I Lab	LAB	2	40	2	40	80	58%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Science & Technology • ST 252**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>16</b>	Weekly Student Contact Hours:	<b>360</b>
Hours in Use Student Station Occupancy:	<b>62%</b>	Average Enrollment:	<b>21</b>
Assignable Sq. Ft./Station:	<b>25</b>	Capacity:	<b>36</b>
		Assignable Square Fe	<b>891</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	12:00 PM	F	MBA 685 41B Strategic Management and Policy	LEC	0.2	26	0.2	26	5	72%
9:00 AM	10:15 AM	TR	MKTG 301 01 Principles of Marketing	LEC	3	33	3	33	99	92%
10:30 AM	11:45 AM	TR	ACCT 421 01 Auditing I	LEC	3	21	3	21	63	58%
1:00 PM	2:30 PM	TR	MBA 670 40 Financial Analysis	LEC	3	28	3	28	84	78%
2:00 PM	3:00 PM	M	ENG 495 01 Senior Capstone	LEC	1	7	1	7	7	19%
3:00 PM	4:15 PM	TR	LIT 331 01 American Literature: Beginning throu	LEC	3	15	3	15	45	42%
6:00 PM	8:50 PM	M	MBA 606 87 Accounting for Managers	LEC	3	19	3	19	57	53%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS

Scheduled Utilization

Science And Math • SM 269

Space Use Code: Classroom

Department:	Instruction		
Weekly Room Hours:	20	Weekly Student Contact Hours:	514
Hours in Use Student Station Occupancy:	55%	Average Enrollment:	24
Assignable Sq. Ft./Station:	29	Capacity:	46
		Assignable Square Fe	1,313

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	5:00 PM	W	NURS 430 01A Evidence Based Practice	LEC	0.6	23	0.6	23	14	50%
9:00 AM	10:15 AM	TR	EXSC 350 01 Exercise Physiology	LEC	3	29	3	29	87	63%
10:30 AM	11:20 AM	MWF	AGRO 132 01 Principles & Practices of Crop Produc	LEC	3	20	3	33	99	72%
10:30 AM	11:20 AM	MWF	AGRO 132 02A Principles & Practices of Crop Produc	LEC	3	13				
10:30 AM	11:45 AM	TR	ED 344 02 Elementary Social Sciences Methods	LEC	3	19	3	19	57	41%
12:30 PM	1:20 PM	MWF	AGRO 454 01 Experimental Design in Agriculture	LEC	3	9	3	9	27	20%
1:30 PM	2:45 PM	TR	PHYS 121 01 Introduction to Astronomy	LEC	3	53	3	53	159	115%
2:30 PM	3:20 PM	MW	IDST 110 02B The University Experience	LEC	0.1	18	0.1	18	2	39%
3:00 PM	4:15 PM	T	COMP 492 01 Capstone Project	LEC	1.5	14	1.5	14	21	30%
3:30 PM	4:45 PM	MW	COMP 425 01 Software Engineering	LEC	3	16	3	16	48	35%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 106**

Space Use Code: Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>11</b>	Weekly Student Contact Hours:	<b>216</b>
Hours in Use Student Station Occupancy:	<b>51%</b>	Average Enrollment:	<b>19</b>
Assignable Sq. Ft./Station:	<b>27</b>	Capacity:	<b>40</b>
		Assignable Square Fe	<b>1,094</b>

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	PHIL 103 01	Ethics	LEC	3	28	3	28	84	70%
10:30 AM	11:45 AM	TR	HUMT 201 01	Origins of Western Civilization	LEC	3	19	3	19	57	48%
11:30 AM	12:20 PM	MWF	JUAD 450 01	Criminal Law	LEC	3	20	3	20	60	50%
4:00 PM	5:15 PM	M	SOCI 495 01	Senior Capstone in Sociology	LEC	1.5	10	1.5	10	15	25%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 128**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>19</b>	Weekly Student Contact Hours:	<b>410</b>
Hours in Use Student Station Occupancy:	<b>45%</b>	Average Enrollment:	<b>21</b>
Assignable Sq. Ft./Station:	<b>18</b>	Capacity:	<b>49</b>
		Assignable Square Fe	<b>870</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	PSYC 339 01 Positive Psychology	LEC	3	13	3	13	39	27%
9:30 AM	10:20 AM	MWF	PSYC 338 01 Psychology of Personality	LEC	3	21	3	21	63	43%
10:30 AM	11:45 AM	TR	MGMT 300 01 Management Principles	LEC	3	40	3	40	120	82%
11:30 AM	12:20 PM	MWF	PSYC 335 01 Abnormal Psychology	LEC	3	26	3	26	78	53%
1:30 PM	2:45 PM	TR	PSYC 335 02 Abnormal Psychology	LEC	3	19	3	19	57	39%
2:00 PM	4:00 PM	W	GOLD 1000 13 Introduction to Geography	LEC	0.6	14	0.6	14	8	29%
6:30 PM	9:00 PM	T	PSYC 400 01 Advanced Applied Psychology	LEC	3	15	3	15	45	31%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 201**

Space Use Code: Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>15</b>	Weekly Student Contact Hours:	<b>327</b>
Hours in Use Student Station Occupancy:	<b>55%</b>	Average Enrollment:	<b>22</b>
Assignable Sq. Ft./Station:	<b>17</b>	Capacity:	<b>40</b>
		Assignable Square Fe	<b>662</b>

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course		COURSE			SECTION			
					TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	SOCI 315 01	Applied Social Research	LEC	3	20	3	20	60	50%
10:30 AM	11:20 AM	MWF	SPAN 201 01	Intermediate Spanish I	LEC	3	10	3	10	30	25%
10:30 AM	11:45 AM	TR	SOCI 315 02	Applied Social Research	LEC	3	31	3	31	93	78%
11:30 AM	12:20 PM	MWF	SPAN 101 01	Beginning Spanish I	LEC	3	29	3	29	87	73%
1:30 PM	2:45 PM	TR	SOCI 318 01	Forces for Social Change	LEC	3	19	3	19	57	48%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 202**

Space Use Code: Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>14</b>	Weekly Student Contact Hours:	<b>303</b>
Hours in Use Student Station Occupancy:	<b>52%</b>	Average Enrollment:	<b>21</b>
Assignable Sq. Ft./Station:	<b>19</b>	Capacity:	<b>42</b>
		Assignable Square Fe	<b>782</b>

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	COMP 166 01 Data Structures	LAB	3	31	3	31	93	74%
10:30 AM	11:20 AM	MWF	POL 328 01 Constitutional Law I: Criminal Justice	LEC	3	8	3	8	24	19%
10:30 AM	11:45 AM	TR	COMP 368 01 Information & Knowledge Managemem	LEC	3	22	3	22	66	52%
1:30 PM	2:20 PM	MTWRF	MATH 150 02B Calculus I	LEC	5	24	5	24	120	57%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 203**

Space Use Code: *Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>15</b>	Weekly Student Contact Hours:	<b>315</b>
Hours in Use Student Station Occupancy:	<b>60%</b>	Average Enrollment:	<b>21</b>
Assignable Sq. Ft./Station:	<b>17</b>	Capacity:	<b>35</b>
		Assignable Square Fe	<b>578</b>

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
9:00 AM	10:15 AM	TR	ED 315 01	Play & Creative Activities & Lab	LEC	3	14	3	14	42	40%
9:30 AM	10:20 AM	MWF	HIST 301 01	Historiography	LEC	3	21	3	21	63	60%
10:30 AM	11:45 AM	TR	LEP 100 02	FYS: Good King, Bad King	LEC	3	27	3	27	81	77%
12:30 PM	1:20 PM	MWF	LEP 100 13	FYS: Good King Bad King	LEC	3	27	3	27	81	77%
1:30 PM	2:45 PM	TR	LEP 100 99	FYS: Good King Bad King	LEC	3	16	3	16	48	46%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS

Scheduled Utilization

Social Science • SS 204

Space Use Code: Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>27</b>	Weekly Student Contact Hours:	<b>852</b>
Hours in Use Student Station Occupancy:	<b>75%</b>	Average Enrollment:	<b>32</b>
Assignable Sq. Ft./Station:	<b>19</b>	Capacity:	<b>42</b>
		Assignable Square Fe	<b>811</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:30 AM	10:20 AM	MWF	HUMT 230 01 World Religions	LEC	3	30	3	30	90	71%
10:30 AM	11:20 AM	MWF	SOCI 101 01 Introduction to Sociology	LEC	3	40	3	40	120	95%
10:30 AM	11:45 AM	TR	HIST 221 02 Early America: History of the U.S. fro	LEC	3	36	3	36	108	86%
11:30 AM	12:20 PM	MWF	SOCI 101 02 Introduction to Sociology	LEC	3	39	3	39	117	93%
12:30 PM	1:20 PM	MWF	ENVS 301 01 Basic Soil Science	LEC	3	31	3	31	93	74%
1:30 PM	2:45 PM	TR	SOCI 212 01 Human Relations	LEC	3	30	3	30	90	71%
2:30 PM	3:45 PM	MW	SOCI 211 01 Marriage and the Family	LEC	3	39	3	39	117	93%
3:00 PM	4:15 PM	TR	SOCI 212 02 Human Relations	LEC	3	28	3	28	84	67%
6:00 PM	8:30 PM	T	ANTH 116 01 Cultural Anthropology	LEC	3	11	3	11	33	26%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 205**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>33</b>	Weekly Student Contact Hours:	<b>1,020</b>
Hours in Use Student Station Occupancy:	<b>52%</b>	Average Enrollment:	<b>31</b>
Assignable Sq. Ft./Station:	<b>16</b>	Capacity:	<b>60</b>
		Assignable Square Fe	<b>956</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
8:30 AM	9:20 AM	MWF	CHEM 351 01 Organic Chemistry I	LEC	3	35	3	35	105	58%
9:00 AM	10:15 AM	TR	JUAD 442 01 Court, Police, and Corrections Manag	LEC	3	18	3	18	54	30%
9:30 AM	10:20 AM	MWF	CHEM 231 02 General Chemistry I	LEC	3	54	3	54	162	90%
10:30 AM	11:20 AM	MWF	JUAD 380 01 Corporate & White Collar Crime	LEC	3	36	3	36	108	60%
10:30 AM	11:45 AM	TR	SOCI 270 02 Gender Issues	LEC	3	26	3	26	78	43%
11:30 AM	12:20 PM	MWF	JUAD 144 01 Introduction to Justice & Society	LEC	3	38	3	38	114	63%
12:30 PM	1:20 PM	MWF	JUAD 144 02 Introduction to Justice & Society	LEC	3	37	3	37	111	62%
1:30 PM	2:20 PM	MWF	JUAD 398 01 Pro-Seminar	LEC	3	14	3	14	42	23%
1:30 PM	2:45 PM	TR	JUAD 144 03 Introduction to Justice & Society	LEC	3	26	3	26	78	43%
3:00 PM	4:15 PM	TR	PSYC 101 01 General Psychology I	LEC	3	36	3	36	108	60%
6:00 PM	8:50 PM	M	JUAD 370 01 Criminology	LEC	3	14	3	20	60	33%
6:00 PM	8:50 PM	M	SOCI 370 01 Criminology	LEC	3	6				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 206**

Space Use Code: Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>18</b>	Weekly Student Contact Hours:	<b>471</b>
Hours in Use Student Station Occupancy:	<b>53%</b>	Average Enrollment:	<b>26</b>
Assignable Sq. Ft./Station:	<b>17</b>	Capacity:	<b>49</b>
		Assignable Square Fe	<b>811</b>

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	HIST 210 01 Contemporary World History	LEC	3	37	3	37	111	76%
10:30 AM	11:45 AM	TR	HIST 210 02 Contemporary World History	LEC	3	31	3	31	93	63%
12:30 PM	1:20 PM	MWF	PSYC 317 01 Social Psychology	LEC	3	31	3	31	93	63%
1:30 PM	2:20 PM	MWF	BIOL 303 01 Microbiology	LEC	3	32	3	32	96	65%
1:30 PM	2:45 PM	TR	HIST 362 01 Making of Modern America	LEC	3	8	3	8	24	16%
6:00 PM	8:30 PM	T	HIST 326 01 Native Americans, Africans, & Europe	LEC	3	18	3	18	54	37%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 208**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>30</b>	Weekly Student Contact Hours:	<b>669</b>
Hours in Use Student Station Occupancy:	<b>46%</b>	Average Enrollment:	<b>22</b>
Assignable Sq. Ft./Station:	<b>17</b>	Capacity:	<b>49</b>
		Assignable Square Fe	<b>811</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	9:15 AM	MW	MATH 360 01 Linear Algebra	LEC	3	7	3	7	21	14%
9:00 AM	10:15 AM	TR	MATH 310 01 Number Theory	LEC	3	8	3	8	24	16%
9:30 AM	10:20 AM	MWF	PSYC 200 01 Statistics for the Behavioral Sciences	LEC	3	29	3	29	87	59%
10:30 AM	11:20 AM	MWF	HIST 242 01 Early Europe	LEC	3	40	3	40	120	82%
10:30 AM	11:45 AM	TR	MATH 115 02 Finite Mathematics	LEC	3	24	3	24	72	49%
11:30 AM	12:20 PM	MWF	HIST 222 02 Modern America: History of the U.S. f	LEC	3	40	3	40	120	82%
1:30 PM	2:20 PM	MWF	HIST 222 01 Modern America: History of the U.S. f	LEC	3	18	3	18	54	37%
1:30 PM	2:45 PM	TR	PSYC 320 01 Advanced Experimental Psychology:	LEC	3	10	3	10	30	20%
2:30 PM	3:45 PM	MW	LIT 100 01 Literature: Human Diversity	LEC	3	34	3	34	102	69%
3:00 PM	5:30 PM	T	HIST 310 01 Environmental History	LEC	3	13	3	13	39	27%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 224**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>24</b>	Weekly Student Contact Hours:	<b>364</b>
Hours in Use Student Station Occupancy:	<b>37%</b>	Average Enrollment:	<b>17</b>
Assignable Sq. Ft./Station:	<b>21</b>	Capacity:	<b>42</b>
		Assignable Square Fe	<b>870</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:20 AM	MWF	MATH 060 01 Intermediate Algebra	LEC	3	20	3	20	60	48%
9:30 AM	10:20 AM	MWF	MATH 350 01 Differential Equations	LEC	3	8	3	8	24	19%
10:30 AM	11:20 AM	MTWRF	MATH 151 01A Calculus II	LEC	5	5	5	5	25	12%
11:30 AM	12:20 PM	MWF	MATH 325 01 Combinatorics	LEC	3	21	3	21	63	50%
11:30 AM	1:30 PM	T	GOLD 1000 06 Embark on Extraordinary Adventures	LEC	0.6	20	0.6	20	12	48%
12:30 PM	1:20 PM	MWF	COMP 376 01 Advanced UNIX Programming	LEC	3	18	3	18	54	43%
1:30 PM	2:20 PM	MWF	MATH 060 02 Intermediate Algebra	LEC	3	22	3	22	66	52%
1:30 PM	2:45 PM	TR	COMP 164 03 Essentials of Computer Science	LEC	3	20	3	20	60	48%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 228**

**Space Use Code:** Classroom

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>22</b>	Weekly Student Contact Hours:	<b>370</b>
Hours in Use Student Station Occupancy:	<b>34%</b>	Average Enrollment:	<b>16</b>
Assignable Sq. Ft./Station:	<b>17</b>	Capacity:	<b>50</b>
		Assignable Square Fe	<b>870</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	SWRK 330 02	LEC	3	9	3	9	27	18%
9:30 AM	10:20 AM	MWF	SWRK 234 02	LEC	3	21	3	21	63	42%
10:30 AM	11:45 AM	TR	MGMT 350 01	LEC	3	20	3	20	60	40%
11:30 AM	12:20 PM	MWF	MATH 129 01	LEC	3	24	3	24	72	48%
1:30 PM	2:20 PM	TR	PSYC 110 01	LEC	2	33	2	33	66	66%
3:00 PM	4:45 PM	T	MATH 480 01	LEC	2	6	2	6	12	12%
3:30 PM	5:30 PM	W	PSYC 287 01	LEC	1	10	1	10	10	20%
4:45 PM	5:25 PM	T	SWRK 484 01	LEC	0.8	12	0.8	12	10	24%
5:00 PM	7:00 PM	W	PSYC 287 02	LEC	1	8	1	8	8	16%
5:30 PM	8:15 PM	T	SWRK 344 01	LEC	3	14	3	14	42	28%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS

Scheduled Utilization

Social Science • SS 230

Space Use Code: Classroom

Department:	Instruction		
Weekly Room Hours:	25	Weekly Student Contact Hours:	699
Hours in Use Student Station Occupancy:	41%	Average Enrollment:	28
Assignable Sq. Ft./Station:	17	Capacity:	69
		Assignable Square Fe	1,195

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	SOCI 270 01 Gender Issues	LEC	3	29	3	29	87	42%
9:30 AM	10:20 AM	MWF	BIOL 302 01 Botany	LEC	3	13	3	13	39	19%
10:30 AM	11:20 AM	MWF	PSYC 101 03 General Psychology I	LEC	3	38	3	38	114	55%
10:30 AM	11:45 AM	TR	GEOG 101 01 Introduction to Geography	LEC	3	38	3	38	114	55%
11:30 AM	12:20 PM	W	BIOL 104 01 Medical Terminology	LEC	1	30	1	30	30	43%
1:30 PM	2:20 PM	MWF	LEP 400 01 CIS:Sustainability of our Food Syste	LEC	3	23	3	23	69	33%
1:30 PM	2:45 PM	TR	GEOG 101 02 Introduction to Geography	LEC	3	37	3	37	111	54%
2:30 PM	3:45 PM	MW	COMM 200 01 Small Group Communication	LEC	3	12	3	12	36	17%
5:30 PM	8:20 PM	W	INDS 101 01 Introduction to Indigenous Nations an	LEC	3	33	3	33	99	48%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**APPENDIX C - CLASSROOM UTILIZATION ANALYSIS: DETAIL BY ROOM**

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 237**

*Space Use Code: Classroom*

Department:	<b>Instruction</b>		
Weekly Room Hours:	<b>12</b>	Weekly Student Contact Hours:	<b>216</b>
Hours in Use Student Station Occupancy:	<b>51%</b>	Average Enrollment:	<b>18</b>
Assignable Sq. Ft./Station:	<b>17</b>	Capacity:	<b>35</b>
		Assignable Square Fe	<b>588</b>

	MON	WED	FRI	TUE	THU
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	AGRO 325 01 Seed Science and Grain Grading	LAB	3	16	3	16	48	46%
10:30 AM	11:45 AM	TR	PSYC 201 01 Research Methods Behavior	LEC	3	17	3	17	51	49%
1:30 PM	2:45 PM	TR	HOSP 320 01 Hospitality Law	LEC	3	12	3	12	36	34%
2:30 PM	3:20 PM	MWF	LEP 100 10 FYS: Animal Intelligence	LEC	3	27	3	27	81	77%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

**Scheduled Utilization**

**Social Science • SS 239**

Space Use Code: Classroom

Department: Instruction

Weekly Room Hours: **19**      Weekly Student Contact Hours: **307**

Hours in Use Student Station Occupancy: **44%**      Average Enrollment: **16**

Assignable Sq. Ft./Station: **16**      Capacity: **37**  
 Assignable Square Fe **588**

	MON	WED	FRI		TUE	THU
8:00 AM				8:00 AM		
9:00 AM				9:00 AM		
10:00 AM				10:30 AM		
11:00 AM				12:00 PM		
12:00 PM				1:30 PM		
1:00 PM				3:00 PM		
2:00 PM				4:30 PM		
3:00 PM				6:00 PM		
4:00 PM						
5:00 PM						
6:00 PM						
7:00 PM						

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	PSYC 150 01 Applied Psychology	LEC	3	12	3	12	36	32%
10:30 AM	11:45 AM	TR	SWRK 280 01 Substance Abuse & Other Addictive	LEC	3	10	3	10	30	27%
1:30 PM	2:20 PM	MWF	PHIL 105 01 Ethical Issues in Business	LEC	3	21	3	21	63	57%
1:30 PM	2:30 PM	R	CHEM 353L 01 Organic Spectroscopic Analysis	LAB	1	10	1	10	10	27%
2:30 PM	3:45 PM	MW	HIST 487 01 Senior Seminar	LEC	3	14	3	14	42	38%
5:30 PM	8:00 PM	M	ED 101 04A Introduction to Education and Lab	LAB	3	27	3	27	81	73%
5:30 PM	8:15 PM	W	SWRK 402 01 Social Welfare Policy	LEC	3	15	3	15	45	41%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

APPENDIX D - TEACHING LABORATORY UTILIZATION  
ANALYSIS BY BUILDING

**APPENDIX D - TEACHING LABORATORY UTILIZATION ANALYSIS BY BUILDING**

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
<b>Bellows Academic Center</b>									<b>No. of Rooms = 3</b>
BA 101	210	1,825	20	91	14	109	5.4	6.6	82%
BA 133	210	2,300	16	144	16	239	15.0	15.6	96%
BA 135	210	1,121	12	93	0	0	0.0	0.0	0%
<i>Average</i>		1,749	16	109	10		7.3	7	92%
<i>Total</i>		5,246	48			348		22	
<b>Charter Hall</b>									<b>No. of Rooms = 2</b>
CH 102	210	1,020	24	43	16	181	7.5	11.9	63%
CH 126	210	1,102	30	37	22	462	15.4	20.1	77%
<i>Average</i>		1,061	27	40	19		11.9	16	72%
<i>Total</i>		2,122	54			643		32	
<b>Fine Arts</b>									<b>No. of Rooms = 4</b>
FA 132	210	1,364	81	17	21	443	5.5	19.0	29%
FA 135	210	1,760	40	44	18	224	5.6	14.3	39%
FA 223	210	1,227	35	35	20	147	4.2	6.6	64%
FA 226	210	1,269	24	53	14	193	8.0	11.3	71%
<i>Average</i>		1,405	45	37	18		5.6	13	46%
<i>Total</i>		5,620	180			1,007		51	
<b>Science &amp; Technology</b>									<b>No. of Rooms = 7</b>
ST 108	210	1,626	24	68	23	180	7.5	8.0	94%
ST 154	210	1,620	24	68	17	100	4.2	6.0	69%
ST 158	210	1,598	24	67	23	226	9.4	9.9	95%
ST 209	210	1,470	25	59	15	92	3.7	6.0	61%
ST 214	210	1,470	18	82	10	38	2.1	3.8	56%
ST 256	210	1,470	24	61	30	182	7.6	6.0	126%
ST 260	210	1,470	30	49	17	109	3.6	6.6	55%
<i>Average</i>		1,532	24	65	19		5.5	7	82%
<i>Total</i>		10,724	169			927		46	
<b>Science And Math</b>									<b>No. of Rooms = 8</b>
SM 127	210	705	30	24	17	164	5.5	8.5	64%
SM 129	210	1,131	24	47	24	96	4.0	4.0	100%
SM 163	210	648	24	27	19	74	3.1	4.0	77%
SM 166	210	841	12	70	11	22	1.8	2.0	92%
SM 175	210	1,131	30	38	14	155	5.2	11.3	46%
SM 209	210	1,313	48	27	28	149	3.1	4.0	78%
SM 265	210	1,092	30	36	22	86	2.9	4.0	72%
SM 276	210	1,500	18	83	18	55	3.1	3.0	102%
<i>Average</i>		1,045	27	44	19		3.7	5	70%
<i>Total</i>		8,361	216			801		41	

**APPENDIX D - TEACHING LABORATORY UTILIZATION ANALYSIS BY BUILDING**

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
<b>Social Science</b>									<b><i>No. of Rooms = 1</i></b>
SS 145	210	2,400	30	80	24	72	2.4	3.0	80%
	<i>Average</i>	2,400	30	80	24		2.4	3	80%
	<i>Total</i>	2,400	30			72		3	
	<b>AVERAGE</b>	1,379	28	58	18		5.4	8	69%
	<b>TOTAL</b>	34,473	697			3,798		196	
	<b>NO. OF ROOMS</b>	25							



APPENDIX E - TEACHING LABORATORY UTILIZATION  
ANALYSIS: DETAIL BY ROOM

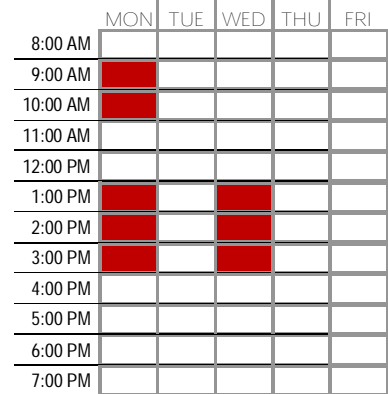
SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS

### Scheduled Utilization

#### Bellows Academic Center • BA 101

**Space Use Code:** Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 20
<b>Average Enrollment:</b> 14	<b>Assignable Square Feet:</b> 1,825
<b>Weekly Student Contact Hours:</b> 109	<b>Assignable Sq. Ft. Per Station:</b> 91
<b>Weekly Room Hours:</b> 6.6	<b>Hours in Use Student Station Occupancy:</b> 82%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	11:00 AM	M	GOLD 1000 02 Making Your Own Pottery	LEC	.60	11	.60	11	7	55%
1:30 PM	4:00 PM	MW	ART 230 01 Sculpture	LEC	6.00	15	6.00	17	102	85%
1:30 PM	4:00 PM	MW	ART 330 01 Sculpture	LEC	6.00	2				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



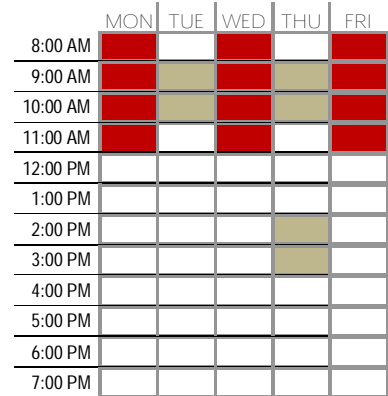
SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS

Scheduled Utilization

Bellows Academic Center • BA 133

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 16
<b>Average Enrollment:</b> 16	<b>Assignable Square Feet:</b> 2,300
<b>Weekly Student Contact Hours:</b> 239	<b>Assignable Sq. Ft. Per Station:</b> 144
<b>Weekly Room Hours:</b> 15.6	<b>Hours in Use Student Station Occupancy:</b> 96%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
8:00 AM	9:40 AM	MWF	ART 220 01	Drawing	LEC	6.00	14	6.00	16	96	100%
8:00 AM	9:40 AM	MWF	ART 320 01	Drawing	LEC	6.00	2				
9:00 AM	10:15 AM	TR	ART 102 01	Foundations of Art & Design 2D	LEC	3.00	21	3.00	21	63	131%
9:45 AM	11:25 AM	MWF	ART 221 01	Painting	LEC	6.00	6	6.00	12	72	75%
9:45 AM	11:25 AM	MWF	ART 321 01	Painting	LEC	6.00	6				
2:00 PM	4:00 PM	R	GOLD 1000 19	Acrylics	LEC	.60	14	.60	14	8	88%

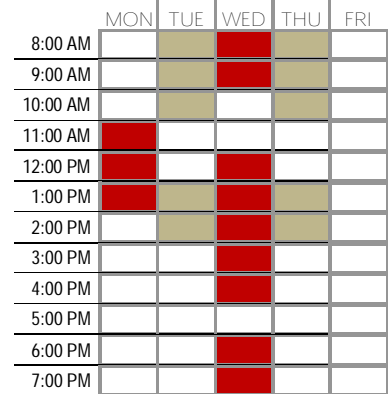
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Charter Hall • CH 102

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 24
<b>Average Enrollment:</b> 16	<b>Assignable Square Feet:</b> 1,020
<b>Weekly Student Contact Hours:</b> 181	<b>Assignable Sq. Ft. Per Station:</b> 43
<b>Weekly Room Hours:</b> 11.9	<b>Hours in Use Student Station Occupancy:</b> 63%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE		SECTION					
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
7:30 AM	8:45 AM	TR	ED 361 01A	Mathematics Methods/Assessments	LAB	.20	19	.20	19	4	79%
7:30 AM	8:45 AM	TR	ED 361 01	Mathematics Methods/Assessments	LAB	.20	19	.20	19	4	79%
8:30 AM	9:20 AM	W	EXSC 475 01	Measurement & Evaluation	LEC	1.00	13	1.00	13	13	54%
9:00 AM	10:15 AM	TR	ENG 331 01	Business Communications	LEC	3.00	14	3.00	14	42	58%
11:30 AM	1:20 PM	M	GOLD 1000 03	Computer Tips and Tricks	LEC	.60	22	.60	22	13	92%
12:30 PM	1:20 PM	W	MATH 201 01	Statistical Software	LAB	1.00	12	1.00	12	12	50%
1:30 PM	2:45 PM	R	MGMT 422 01A	Prod & Oper Management	LEC	.10	17	.10	17	2	71%
1:30 PM	2:45 PM	R	MGMT 422 01B	Prod & Oper Management	LEC	.10	17	.10	17	2	71%
1:30 PM	2:45 PM	R	MGMT 422 01	Prod & Oper Management	LEC	.10	17	.10	17	2	71%
1:30 PM	2:45 PM	T	MGMT 422 01C	Prod & Oper Management	LEC	.10	17	.10	17	2	71%
2:30 PM	3:20 PM	W	JUAD 398 01A	Pro-Seminar	LEC	1.00	14	1.00	14	14	58%
3:30 PM	4:45 PM	W	ENG 360 02	Scientific & Technical Writing	LEC	1.50	14	1.50	14	21	58%
6:00 PM	9:00 PM	W	MBA 609 01	Management of Production and Oper	LEC	3.00	17	3.00	17	51	71%

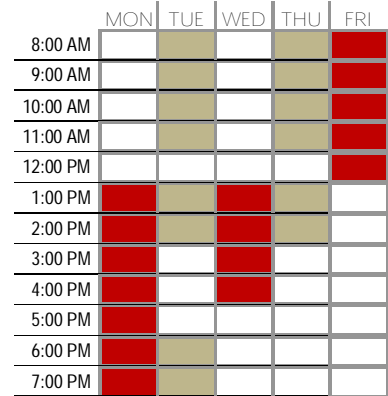
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Charter Hall • CH 126

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 30
<b>Average Enrollment:</b> 22	<b>Assignable Square Feet:</b> 1,102
<b>Weekly Student Contact Hours:</b> 462	<b>Weekly Room Hours:</b> 20.1
	<b>Assignable Sq. Ft. Per Station:</b> 37
	<b>Hours in Use Student Station Occupancy:</b> 77%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
8:30 AM	9:20 AM	F	MATH 200 02	Introduction to Statistics	LEC	1.00	30	1.00	30	30	100%
8:30 AM	10:20 AM	R	ED 102 03	Technology:Classroom Applications	LEC	2.00	30	2.00	30	60	100%
8:30 AM	10:20 AM	T	ED 102 01	Technology:Classroom Applications	LEC	2.00	28	2.00	28	56	93%
10:30 AM	11:20 AM	F	MATH 135 01	Precalculus	LEC	1.00	26	1.00	26	26	87%
10:30 AM	11:20 AM	R	MATH 150 01	Calculus I	LEC	1.00	30	1.00	30	30	100%
10:30 AM	11:20 AM	T	MATH 151 01	Calculus II	LEC	1.00	5	1.00	5	5	17%
11:30 AM	12:20 PM	F	MATH 200 01	Introduction to Statistics	LEC	1.00	29	1.00	29	29	97%
1:30 PM	2:45 PM	M	PSYC 200L 31	Statistics for the Behavioral Sciences	LAB	1.50	24	1.50	24	36	80%
1:30 PM	2:45 PM	TR	MGMT 422 01F	Prod & Oper Management	LEC	.20	17	.20	17	3	57%
1:30 PM	2:45 PM	TR	MGMT 422 01H	Prod & Oper Management	LEC	.60	17	.60	17	10	57%
1:30 PM	2:45 PM	TR	MGMT 422 01G	Prod & Oper Management	LEC	.40	17	.40	17	7	57%
1:30 PM	2:45 PM	TR	MGMT 422 01D	Prod & Oper Management	LEC	.80	17	.80	17	14	57%
1:30 PM	2:45 PM	TR	MGMT 422 01E	Prod & Oper Management	LEC	.40	17	.40	17	7	57%
1:30 PM	2:20 PM	W	MATH 150 02	Calculus I	LEC	1.00	24	1.00	24	24	80%
3:00 PM	4:15 PM	MW	MGMT 221 02	Computer Concepts and Applications	LEC	3.00	27	3.00	27	81	90%
5:00 PM	8:00 PM	M	ED 101 04	Introduction to Education and Lab	LAB	.20	27	.20	27	5	90%
6:00 PM	8:30 PM	T	COMP 486 01	Advanced Topics: Windows Mobile P	LEC	3.00	13	3.00	13	39	43%

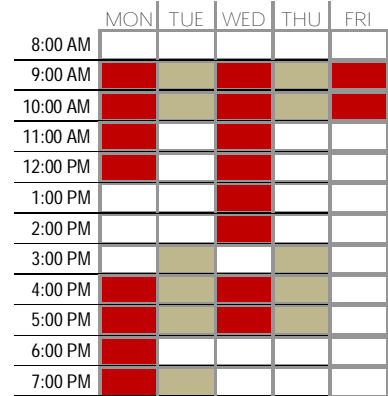
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Fine Arts • FA 132

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 81
<b>Average Enrollment:</b> 21	<b>Assignable Square Feet:</b> 1,364
<b>Weekly Student Contact Hours:</b> 443	<b>Assignable Sq. Ft. Per Station:</b> 17
<b>Weekly Room Hours:</b> 19.0	<b>Hours in Use Student Station Occupancy:</b> 29%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
9:00 AM	10:15 AM	TR	MUS 101 01	Survey of World Music	LEC	3.00	50	3.00	50	150	62%
9:30 AM	10:20 AM	MWF	LEP 400 02	CIS:Sex, Drugs and Rock & Roll	LEC	3.00	19	3.00	19	57	23%
11:30 AM	12:20 PM	MW	MUS 352 02	Vocal Ensemble	LEC	2.00	18	2.00	18	36	22%
1:30 PM	2:20 PM	W	MUS 327 01	Applied Improvisation	MUS	1.00	2	1.00	2	2	2%
3:00 PM	3:50 PM	TR	MUS 454 01	Vocal Pedagogy	LEC	2.00	6	2.00	6	12	7%
4:30 PM	5:30 PM	MTWR	MUS 355 01	Chorale	LEC	4.00	24	4.00	24	96	30%
6:30 PM	8:30 PM	M	MUS 110 01	Public Performance Studies	LEC	2.00	29	2.00	29	58	36%
7:00 PM	8:40 PM	T	MUS 352 01	Vocal Ensemble	LEC	2.00	16	2.00	16	32	20%

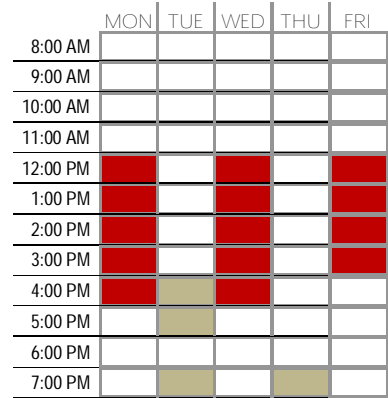
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Fine Arts • FA 135

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 40
<b>Average Enrollment:</b> 18	<b>Assignable Square Feet:</b> 1,760
<b>Weekly Student Contact Hours:</b> 224	<b>Assignable Sq. Ft. Per Station:</b> 44
<b>Weekly Room Hours:</b> 14.3	<b>Hours in Use Student Station Occupancy:</b> 39%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
12:30 PM	1:20 PM	MWF	MUS 333 01 Jazz Band	LEC	3.00	18	3.00	18	54	45%
2:30 PM	3:20 PM	MWF	MUS 308 01 Instrumental Methods	LEC	3.00	7	3.00	7	21	18%
3:30 PM	4:20 PM	MW	MUS 332 01 Pep Band	LEC	2.00	25	2.00	25	50	63%
4:15 PM	5:15 PM	T	MUS 332 01A Pep Band	LEC	1.00	25	1.00	25	25	63%
7:00 PM	9:20 PM	R	MUS 339 01 Concert Band	LEC	2.30	27	2.30	27	62	68%
7:00 PM	9:30 PM	T	MUS 337 01 Southwest Minnesota Orchestra	LEC	3.00	4	3.00	4	12	10%

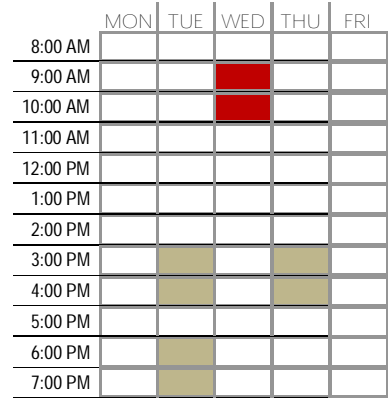
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Fine Arts • FA 223

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 35
<b>Average Enrollment:</b> 20	<b>Assignable Square Feet:</b> 1,227
<b>Weekly Student Contact Hours:</b> 147	<b>Assignable Sq. Ft. Per Station:</b> 35
<b>Weekly Room Hours:</b> 6.6	<b>Hours in Use Student Station Occupancy:</b> 64%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	11:00 AM	W	GOLD 1000 10 The Art Nouveau Movement: A Brief	LEC	.60	15	.60	15	9	43%
3:00 PM	4:15 PM	TR	ART 150 01 Art History I	LEC	3.00	25	3.00	25	75	71%
6:00 PM	8:30 PM	T	ART 270 01 Art Education/Elementary	LEC	3.00	20	3.00	21	63	60%
6:00 PM	8:30 PM	T	ART 370 01 Art Education/Secondary	LEC	3.00	1				

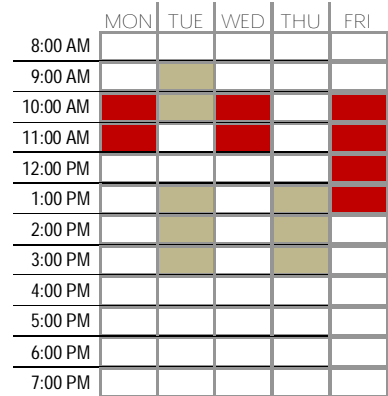
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Fine Arts • FA 226

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 24
<b>Average Enrollment:</b> 14	<b>Assignable Square Feet:</b> 1,269
<b>Weekly Student Contact Hours:</b> 193	<b>Assignable Sq. Ft. Per Station:</b> 53
<b>Weekly Room Hours:</b> 11.3	<b>Hours in Use Student Station Occupancy:</b> 71%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
9:00 AM	10:20 AM	T	ART 343 01A	Digital Art Photography	LEC	1.30	12	1.30	12	16	50%
10:30 AM	11:20 AM	MWF	ART 240 01A	Concepts of Graphic Design	LEC	3.00	20	3.00	20	60	83%
12:30 PM	1:20 PM	F	ART 461 01	Graphic Design Graduation Project	LEC	1.00	3	1.00	3	3	13%
1:30 PM	4:00 PM	TR	ART 348 01A	Graphic Design Studio	LEC	6.00	19	6.00	19	114	79%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science & Technology • ST 108

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 24
<b>Average Enrollment:</b> 23	<b>Assignable Square Feet:</b> 1,626
<b>Weekly Student Contact Hours:</b> 180	<b>Assignable Sq. Ft. Per Station:</b> 68
<b>Weekly Room Hours:</b> 8.0	<b>Hours in Use Student Station Occupancy:</b> 94%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	9:50 AM	R	BIOL 200L 34 Introduction to Cellular Biology Lab	LAB	2.00	24	2.00	24	48	100%
10:00 AM	11:50 AM	R	BIOL 200L 31 Introduction to Cellular Biology Lab	LAB	2.00	23	2.00	23	46	96%
1:30 PM	3:20 PM	R	BIOL 200L 32 Introduction to Cellular Biology Lab	LAB	2.00	22	2.00	22	44	92%
3:30 PM	5:20 PM	R	BIOL 200L 33 Introduction to Cellular Biology Lab	LAB	2.00	21	2.00	21	42	88%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

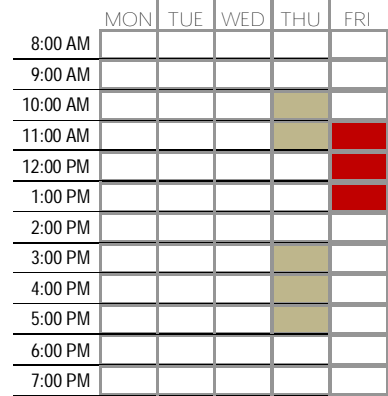


Scheduled Utilization

Science & Technology • ST 154

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 24
<b>Average Enrollment:</b> 17	<b>Assignable Square Feet:</b> 1,620
<b>Weekly Student Contact Hours:</b> 100	<b>Assignable Sq. Ft. Per Station:</b> 68
<b>Weekly Room Hours:</b> 6.0	<b>Hours in Use Student Station Occupancy:</b> 69%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:00 AM	11:50 AM	R	BIOL 305L 31 Human Anatomy & Physiology I Lab	LAB	2.00	17	2.00	17	34	71%
11:30 AM	1:20 PM	F	BIOL 305L 32 Human Anatomy & Physiology I Lab	LAB	2.00	17	2.00	17	34	71%
3:30 PM	5:20 PM	R	BIOL 305L 33 Human Anatomy & Physiology I Lab	LAB	2.00	16	2.00	16	32	67%

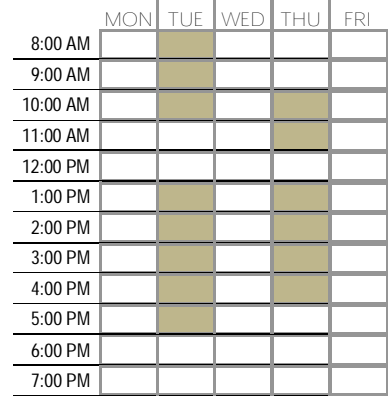
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science & Technology • ST 158

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 24
<b>Average Enrollment:</b> 23	<b>Assignable Square Feet:</b> 1,598
<b>Weekly Student Contact Hours:</b> 226	<b>Assignable Sq. Ft. Per Station:</b> 67
<b>Weekly Room Hours:</b> 9.9	<b>Hours in Use Student Station Occupancy:</b> 95%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	10:25 AM	T	BIOL 100L 34 Biology in Modern World Lab	LAB	1.00	20	1.00	20	20	83%
8:30 AM	10:25 AM	T	BIOL 100L 32 Biology in Modern World Lab	LAB	1.00	25	1.00	25	25	104%
10:30 AM	11:50 AM	R	ENVS 180L 31 Environmental Science: Introduction	LAB	1.30	24	1.30	24	31	100%
1:30 PM	2:50 PM	R	ENVS 180L 32 Environmental Science: Introduction	LAB	1.30	23	1.30	23	30	96%
1:30 PM	3:20 PM	T	BIOL 100L 35 Biology in Modern World Lab	LAB	1.00	24	1.00	24	24	100%
1:30 PM	3:20 PM	T	BIOL 100L 33 Biology in Modern World Lab	LAB	1.00	23	1.00	23	23	96%
3:00 PM	4:20 PM	R	ENVS 180L 33 Environmental Science: Introduction	LAB	1.30	23	1.30	23	30	96%
3:30 PM	5:25 PM	T	BIOL 100L 36 Biology in Modern World Lab	LAB	1.00	19	1.00	19	19	79%
3:30 PM	5:25 PM	T	BIOL 100L 31 Biology in Modern World Lab	LAB	1.00	24	1.00	24	24	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

## Scheduled Utilization

### Science & Technology • ST 209

**Space Use Code:** Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 25
<b>Average Enrollment:</b> 15	<b>Assignable Square Feet:</b> 1,470
<b>Weekly Student Contact Hours:</b> 92	<b>Assignable Sq. Ft. Per Station:</b> 59
<b>Weekly Room Hours:</b> 6.0	<b>Hours in Use Student Station Occupancy:</b> 61%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	9:50 AM	T	CHEM 121L 31 Basic Chemistry Lab	LAB	2.00	16	2.00	16	32	64%
10:00 AM	11:50 AM	T	CHEM 121L 32 Basic Chemistry Lab	LAB	2.00	14	2.00	14	28	56%
1:30 PM	3:20 PM	T	CHEM 121L 33 Basic Chemistry Lab	LAB	2.00	16	2.00	16	32	64%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science & Technology • ST 214

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 18
<b>Average Enrollment:</b> 10	<b>Assignable Square Feet:</b> 1,470
<b>Weekly Student Contact Hours:</b> 38	<b>Assignable Sq. Ft. Per Station:</b> 82
<b>Weekly Room Hours:</b> 3.8	<b>Hours in Use Student Station Occupancy:</b> 56%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
1:30 PM	5:20 PM	R	CHEM 353L 01 Organic Spectroscopic Analysis	LAB	3.80	10	3.80	10	38	56%

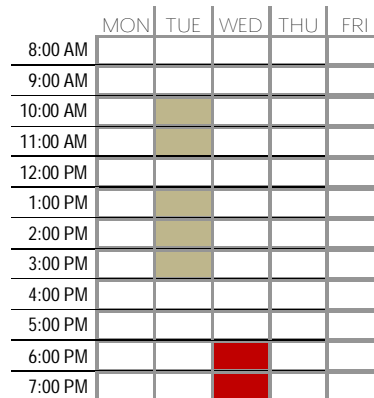
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

## Scheduled Utilization

### Science & Technology • ST 256

**Space Use Code:** Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 24
<b>Average Enrollment:</b> 30	<b>Assignable Square Feet:</b> 1,470
<b>Weekly Student Contact Hours:</b> 182	<b>Assignable Sq. Ft. Per Station:</b> 61
<b>Weekly Room Hours:</b> 6.0	<b>Hours in Use Student Station Occupancy:</b> 126%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:00 AM	11:50 AM	T	CHEM 231L 31 General Chemistry I Lab	LEC	2.00	24	2.00	24	48	100%
1:30 PM	3:20 PM	T	CHEM 231L 33 General Chemistry I Lab	LAB	2.00	27	2.00	27	54	113%
6:30 PM	8:20 PM	W	CHEM 231L 34 General Chemistry I Lab	LAB	2.00	40	2.00	40	80	167%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

## Scheduled Utilization

### Science & Technology • ST 260

**Space Use Code:** Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 30
<b>Average Enrollment:</b> 17	<b>Assignable Square Feet:</b> 1,470
<b>Weekly Student Contact Hours:</b> 109	<b>Assignable Sq. Ft. Per Station:</b> 49
<b>Weekly Room Hours:</b> 6.6	<b>Hours in Use Student Station Occupancy:</b> 55%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	11:50 AM	T	CHEM 351L 31 Organic Chemistry I Lab	LAB	3.30	16	3.30	16	53	53%
1:30 PM	4:50 PM	T	CHEM 351L 32 Organic Chemistry I Lab	LAB	3.30	17	3.30	17	56	57%

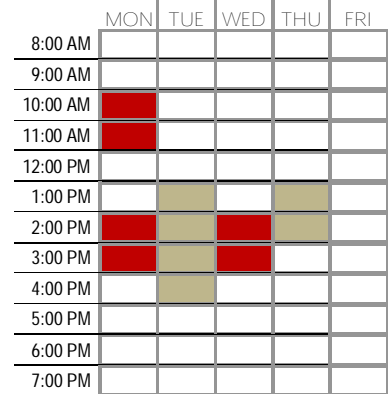
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science And Math • SM 127

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 30
<b>Average Enrollment:</b> 17	<b>Assignable Square Feet:</b> 705
<b>Weekly Student Contact Hours:</b> 164	<b>Assignable Sq. Ft. Per Station:</b> 24
<b>Weekly Room Hours:</b> 8.5	<b>Hours in Use Student Station Occupancy:</b> 64%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:30 AM	11:20 AM	M	ENVS 400 01 Environmental Data Analysis & Prese	LEC	1.00	5	1.00	5	5	17%
1:00 PM	2:30 PM	R	ENVS 101L 32 Physical Geology Lab	LAB	1.50	20	1.50	20	30	67%
1:30 PM	3:00 PM	T	ENVS 101L 33 Physical Geology Lab	LAB	1.50	15	1.50	15	23	50%
2:30 PM	3:45 PM	MW	LEP 100 01 FYS: Natural Hazards	LEC	3.00	26	3.00	26	78	87%
3:30 PM	5:00 PM	T	ENVS 101L 31 Physical Geology Lab	LAB	1.50	19	1.50	19	29	63%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science And Math • SM 129

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 24
<b>Average Enrollment:</b> 24	<b>Assignable Square Feet:</b> 1,131
<b>Weekly Student Contact Hours:</b> 96	<b>Assignable Sq. Ft. Per Station:</b> 47
<b>Weekly Room Hours:</b> 4.0	<b>Hours in Use Student Station Occupancy:</b> 100%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
1:30 PM	3:20 PM	TR	BIOL 303L 31 Microbiology Lab	LAB	4.00	24	4.00	24	96	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

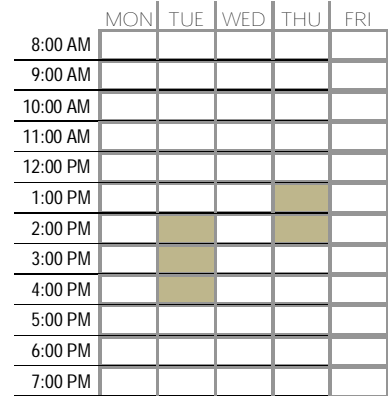


Scheduled Utilization

Science And Math • SM 163

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 24
<b>Average Enrollment:</b> 19	<b>Assignable Square Feet:</b> 648
<b>Weekly Student Contact Hours:</b> 74	<b>Assignable Sq. Ft. Per Station:</b> 27
<b>Weekly Room Hours:</b> 4.0	<b>Hours in Use Student Station Occupancy:</b> 77%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
1:00 PM	2:50 PM	R	ENVS 301L 31 Basic Soil Science Lab	LAB	2.00	21	2.00	21	42	88%
2:30 PM	4:30 PM	T	AGRO 325 01A Seed Science and Grain Grading	LAB	2.00	16	2.00	16	32	67%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science And Math • SM 166

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 12
<b>Average Enrollment:</b> 11	<b>Assignable Square Feet:</b> 841
<b>Weekly Student Contact Hours:</b> 22	<b>Assignable Sq. Ft. Per Station:</b> 70
<b>Weekly Room Hours:</b> 2.0	<b>Hours in Use Student Station Occupancy:</b> 92%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
1:30 PM	3:20 PM	T	BIOL 302L 31 Botany Lab	LAB	2.00	11	2.00	11	22	92%

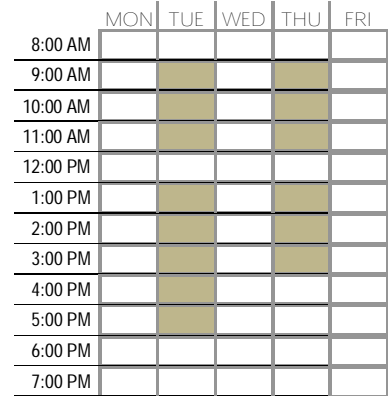
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science And Math • SM 175

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 30
<b>Average Enrollment:</b> 14	<b>Assignable Square Feet:</b> 1,131
<b>Weekly Student Contact Hours:</b> 155	<b>Assignable Sq. Ft. Per Station:</b> 38
<b>Weekly Room Hours:</b> 11.3	<b>Hours in Use Student Station Occupancy:</b> 46%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:30 AM	11:50 AM	R	BIOL 311L 31 Ecology Lab	LAB	2.30	17	2.30	17	39	57%
9:30 AM	11:20 AM	T	BIOL 201L 31 Introduction to Biodiversity & Evolutio	LAB	2.00	23	2.00	23	46	77%
1:30 PM	4:00 PM	R	BIOL 311L 32 Ecology Lab	LAB	3.00	10	3.00	10	30	33%
1:30 PM	3:20 PM	T	BIOL 201L 32 Introduction to Biodiversity & Evolutio	LAB	2.00	17	2.00	17	34	57%
3:30 PM	5:30 PM	T	ENVS 406L 31 Limnology Lab	LAB	2.00	3	2.00	3	6	10%

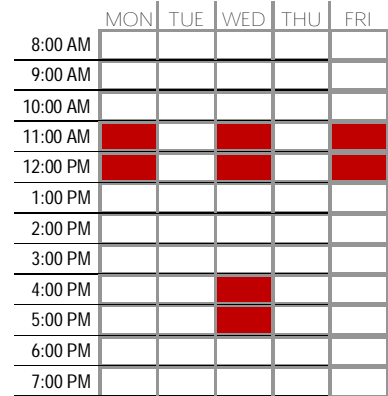
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science And Math • SM 209

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 48
<b>Average Enrollment:</b> 28	<b>Assignable Square Feet:</b> 1,313
<b>Weekly Student Contact Hours:</b> 149	<b>Assignable Sq. Ft. Per Station:</b> 27
<b>Weekly Room Hours:</b> 4.0	<b>Hours in Use Student Station Occupancy:</b> 78%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
11:30 AM	12:20 PM	MWF	PHYS 141 01 College Physics I	LEC	3.00	39	3.00	47	141	98%
11:30 AM	12:20 PM	MWF	PHYS 181 01 University Physics I	LEC	3.00	8				
4:30 PM	5:20 PM	W	PHYS 181 01A University Physics I	LEC	1.00	8	1.00	8	8	17%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science And Math • SM 265

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 30
<b>Average Enrollment:</b> 22	<b>Assignable Square Feet:</b> 1,092
<b>Weekly Student Contact Hours:</b> 86	<b>Weekly Room Hours:</b> 4.0
<b>Assignable Sq. Ft. Per Station:</b> 36	<b>Hours in Use Student Station Occupancy:</b> 72%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE		SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	9:50 AM	R	PHYS 141L 31 College Physics I Lab	LAB	2.00	19	2.00	23	46	77%
8:00 AM	9:50 AM	R	PHYS 181L 31 University Physics I Lab	LAB	2.00	4				
10:00 AM	11:50 AM	R	PHYS 141L 32 College Physics I Lab	LAB	2.00	17	2.00	20	40	67%
10:00 AM	11:50 AM	R	PHYS 181L 32 University Physics I Lab	LAB	2.00	3				

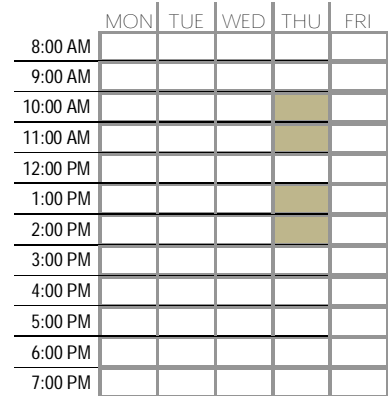
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Science And Math • SM 276

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 18
<b>Average Enrollment:</b> 18	<b>Assignable Square Feet:</b> 1,500
<b>Weekly Student Contact Hours:</b> 55	<b>Weekly Room Hours:</b> 3.0
	<b>Assignable Sq. Ft. Per Station:</b> 83
	<b>Hours in Use Student Station Occupancy:</b> 102%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:00 AM	10:50 AM	R	CHEM 110L 31 Our Chemical World Lab	LAB	1.00	9	1.00	9	9	50%
11:00 AM	11:50 AM	R	CHEM 110L 32 Our Chemical World Lab	LAB	1.00	22	1.00	22	22	122%
1:30 PM	2:20 PM	R	CHEM 110L 33 Our Chemical World Lab	LAB	1.00	24	1.00	24	24	133%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization

Social Science • SS 145

Space Use Code: Teaching Lab

<b>Department:</b> Instruction	<b>Capacity:</b> 30
<b>Average Enrollment:</b> 24	<b>Assignable Square Feet:</b> 2,400
<b>Weekly Student Contact Hours:</b> 72	<b>Assignable Sq. Ft. Per Station:</b> 80
<b>Weekly Room Hours:</b> 3.0	<b>Hours in Use Student Station Occupancy:</b> 80%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
4:00 PM	4:50 PM	M	PE 171 01	Step Aerobics	LEC	1.00	16	1.00	16	16	53%
5:00 PM	5:50 PM	M	PE 160 01	Flexibility/Yoga	LEC	1.00	33	1.00	33	33	110%
5:45 PM	6:35 PM	T	PE 135 01	Dance for Fitness:Zumba	LEC	1.00	23	1.00	23	23	77%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours





**Bellows Academic Center • BA 102**

Space Use Code: Classroom

Department: Instruction	Capacity: 175
Average Enrollment: 37	Assignable Square Feet: 2,072
Weekly Student Contact Hours: 731	Assignable Sq. Ft. Per Station: 12
	Hours in Use Student Station Occupancy: 22%

	MON	TUE	WED	THU	FRI
8:00 AM		█		█	
9:00 AM	█		█		
10:00 AM	█	█		█	█
11:00 AM	█	█	█	█	█
12:00 PM					
1:00 PM	█	█	█	█	█
2:00 PM	█	█	█	█	█
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM	█				
7:00 PM	█				

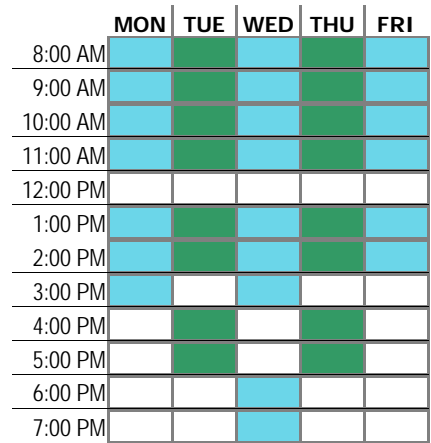
Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
8:00 AM	8:50 AM	TR	IDST 110 06	The University Experience	LEC	2	24	2	24	48	14%
9:30 AM	10:20 AM	MW	IDST 110 05	The University Experience	LEC	2	25	2	25	50	14%
10:30 AM	11:20 AM	MWF	BIOL 201 01	Introduction to Biodiversity & Evolutio	LEC	3	48	3	48	144	27%
10:30 AM	11:45 AM	TR	PSYC 340 01	Developmental Psychology	LEC	3	31	3	31	93	18%
1:30 PM	2:20 PM	MWF	CHEM 121 01	Basic Chemistry	LEC	3	50	3	50	150	29%
1:30 PM	2:45 PM	TR	ED 101 02	Introduction to Education and Lab	LAB	3	29	3	29	87	17%
6:00 PM	8:30 PM	M	EXSC 225 01	Nutrition	LEC	3	53	3	53	159	30%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Bellows Academic Center • BA 231**

Space Use Code: Classroom

Department: Instruction	Capacity: 42
Average Enrollment: 22	Assignable Square Feet: 1,001
Weekly Student Contact Hours: 550	Assignable Sq. Ft. Per Station: 24
	Hours in Use Student Station Occupancy: 57%
	Weekly Room Hours: 23



Start Time	End Time	Days	Course	COURSE		SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	8:50 AM	TR	IDST 110 08	LEC	2	25	2	25	50	60%
8:30 AM	9:20 AM	MWF	MATH 110 01	LEC	3	37	3	37	111	88%
9:00 AM	9:50 AM	TR	PE 334 01	LEC	2	10	2	10	20	24%
10:30 AM	11:20 AM	MTWRF	MATH 150 01A	LEC	5	30	5	30	150	71%
1:30 PM	2:20 PM	MWF	MATH 110 02	LEC	3	35	3	35	105	83%
1:30 PM	2:45 PM	TR	ENG 100 01	LEC	3	22	3	22	66	52%
2:30 PM	3:10 PM	MW	EXSC 101 01	LEC	1.3	20	1.3	20	26	48%
4:30 PM	5:45 PM	TR	ENG 480 01	LEC	0.8	4	3	8	15	12%
4:30 PM	5:45 PM	TR	ENG 490 01	LEC	3	4				
6:00 PM	8:50 PM	W	ENG 289 01	LEC	0.8	8	0.8	8	6	19%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Bellows Academic Center • BA 232**

Space Use Code: Classroom

Department: Instruction	Capacity: 42
Average Enrollment: 18	Assignable Square Feet: 754
Weekly Student Contact Hours: 165	Assignable Sq. Ft. Per Station: 18
Weekly Room Hours: 9	Hours in Use Student Station Occupancy: 44%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█		█		
10:00 AM	█		█		
11:00 AM					
12:00 PM					
1:00 PM	█		█		█
2:00 PM	█		█		█
3:00 PM	█		█		
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	MW	LEP 100 09 FYS:Food: Just What are We Eating	LEC	3	27	3	27	81	64%
1:30 PM	2:20 PM	MWF	PE 301 01 Theory of Coaching	LEC	3	16	3	16	48	38%
2:30 PM	3:45 PM	MW	LIT 264 01 World Drama	LEC	3	12	3	12	36	29%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Bellows Academic Center • BA 233**

Space Use Code: Classroom

Department: Instruction	Capacity: 42
Average Enrollment: 33	Assignable Square Feet: 754
Weekly Student Contact Hours: 541	Assignable Sq. Ft. Per Station: 18
	Hours in Use Student Station Occupancy: 76%
	Weekly Room Hours: 17

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:00 PM					
1:00 PM	█	█	█	█	█
2:00 PM	█	█	█	█	█
3:00 PM	█		█		█
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

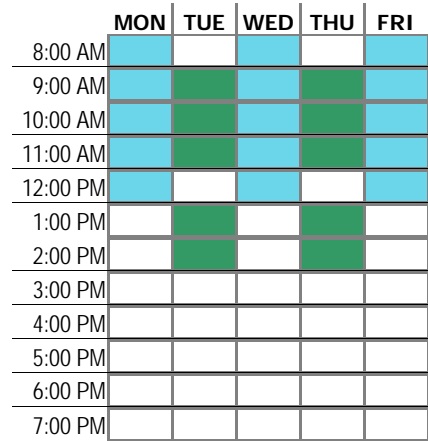
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
10:30 AM	11:20 AM	MTWRF	MATH 135 01A Precalculus	LEC	5	26	5	26	130	62%
12:30 PM	1:20 PM	MWF	MATH 110 03 College Algebra	LEC	3	40	3	40	120	95%
1:30 PM	2:20 PM	MWF	MATH 101 01 Great Ideas of Mathematics	LEC	3	35	3	35	105	83%
1:30 PM	2:45 PM	TR	ENG 151 02 Academic Writing	LEC	3	26	3	26	78	62%
2:30 PM	3:20 PM	MWF	MATH 110 04 College Algebra	LEC	3	36	3	36	108	86%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Bellows Academic Center • BA 234**

Space Use Code: Classroom

Department: Instruction	Capacity: 42
Average Enrollment: 21	Assignable Square Feet: 986
Weekly Student Contact Hours: 375	Assignable Sq. Ft. Per Station: 23
	Hours in Use Student Station Occupancy: 50%
	Weekly Room Hours: 18



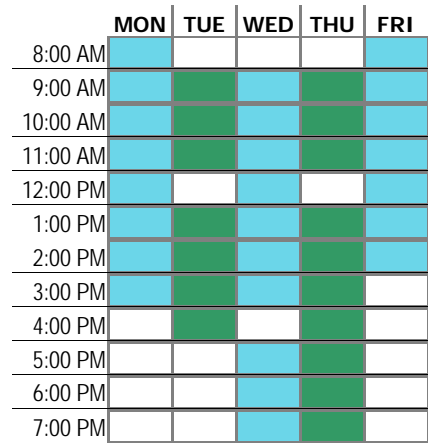
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
8:30 AM	9:20 AM	MWF	MATH 200 02A Introduction to Statistics	LEC	3	30	3	30	90	71%
9:00 AM	10:15 AM	TR	COMM 215 01 Oral Interpretation	LEC	3	15	3	15	45	36%
10:30 AM	11:20 AM	MWF	MATH 440 01 Abstract Algebra	LEC	3	12	3	12	36	29%
10:30 AM	11:45 AM	TR	COMM 303 01 Advanced Public Speaking	LEC	3	20	3	20	60	48%
11:30 AM	12:20 PM	MWF	MATH 200 01A Introduction to Statistics	LEC	3	29	3	29	87	69%
1:30 PM	2:45 PM	TR	PHIL 103 02 Ethics	LEC	3	19	3	19	57	45%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Bellows Academic Center • BA 235**

Space Use Code: Classroom

Department: Instruction	Capacity: 40
Average Enrollment: 20	Assignable Square Feet: 913
Weekly Student Contact Hours: 695	Assignable Sq. Ft. Per Station: 23
	Hours in Use Student Station Occupancy: 53%
	Weekly Room Hours: 33



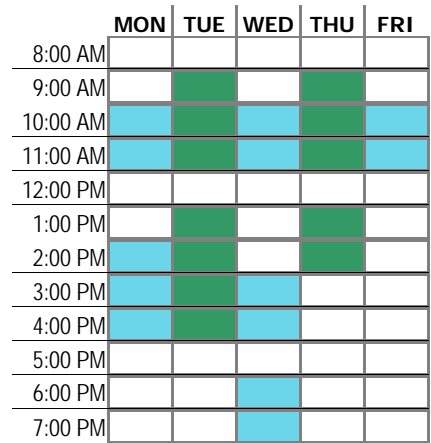
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:20 AM	MF	EXSC 475 01A Measurement & Evaluation	LEC	2	13	2	13	26	33%
9:00 AM	10:15 AM	TR	ENG 107 01 Introduction to Creative Writing	LEC	3	24	3	24	72	60%
9:30 AM	10:20 AM	MWF	LIT 306 01 Craft and Theory: Prose and Poetry	LEC	3	10	3	10	30	25%
10:30 AM	11:45 AM	TR	LEP 100 07 FYS:What Can We Know?	LEC	3	27	3	27	81	68%
11:30 AM	12:20 PM	MWF	COMP 164 01 Essentials of Computer Science	LEC	3	23	3	23	69	58%
12:30 PM	1:20 PM	MWF	COMP 164 02 Essentials of Computer Science	LEC	3	21	3	21	63	53%
1:30 PM	2:20 PM	MWF	SOCI 203 01 Sociology Seminar	LEC	3	15	3	15	45	38%
1:30 PM	2:45 PM	TR	LIT 304 01 American Authors Short Course: Mar	LEC	0.8	9	0.8	9	7	23%
2:30 PM	3:45 PM	MW	PHIL 101 01 Critical Thinking	LEC	3	25	3	25	75	63%
3:00 PM	4:15 PM	TR	ENG 251 01 Writing in Professions	LEC	3	28	3	28	84	70%
4:30 PM	7:20 PM	R	ENG 100 04 Introduction to Academic Writing	LEC	3	25	3	25	75	63%
5:00 PM	7:40 PM	W	PHIL 107 01 Environmental Ethics	LEC	2.7	25	2.7	25	68	63%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Bellows Academic Center • BA 236**

Space Use Code: Classroom

Department: Instruction	Capacity: 34
Average Enrollment: 17	Assignable Square Feet: 553
Weekly Student Contact Hours: 315	Assignable Sq. Ft. Per Station: 16
	Hours in Use Student Station Occupancy: 52%
	Weekly Room Hours: 18



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	MATH 115 01 Finite Mathematics	LEC	3	23	3	23	69	68%
10:30 AM	11:20 AM	MWF	ENG 151 06 Academic Writing	LEC	3	26	3	26	78	76%
10:30 AM	11:45 AM	TR	LEP 400 06 CIS: The Problem of Obedience to Au	LEC	3	25	3	25	75	74%
1:30 PM	2:45 PM	TR	PHIL 340 01 Logic	LEC	3	9	3	9	27	26%
2:30 PM	3:20 PM	M	AGED 201 01 Communication & Leadership Skills f	LEC	1	3	1	3	3	9%
3:00 PM	4:15 PM	T	LEP 100 06 FYS: Joy, Sorrow, Death, & Triumph:	LEC	1.5	26	1.5	26	39	76%
3:30 PM	4:45 PM	MW	PHIL 331 01 History of Philosophy: Social & Politic	LEC	3	7	3	7	21	21%
6:00 PM	9:00 PM	W	PE 301L 01 Theory of Coaching Lab	LAB	0.2	16	0.2	16	3	47%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Bellows Academic Center • BA 238**

Space Use Code: Classroom

Department: Instruction	Capacity: 28
Average Enrollment: 22	Assignable Square Feet: 553
Weekly Student Contact Hours: 462	Assignable Sq. Ft. Per Station: 20
	Hours in Use Student Station Occupancy: 79%
	Weekly Room Hours: 21

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█	█	█	█	█
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:00 PM	█				
1:00 PM	█				
2:00 PM	█				
3:00 PM		█		█	
4:00 PM		█		█	
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	MBA 670 41 Financial Analysis	LEC	3	26	3	26	78	93%
9:30 AM	10:20 AM	MWF	COMM 110 02 Essentials of Speaking and Listening	LEC	3	27	3	27	81	96%
10:30 AM	11:20 AM	MWF	LEP 100 03 FYS:What Can We Know?	LEC	3	26	3	26	78	93%
10:30 AM	11:45 AM	TR	ENG 100 02 Introduction to Academic Writing	LEC	3	21	3	21	63	75%
11:30 AM	12:20 PM	MWF	COMM 210 01 Introduction to Public Relation	LEC	3	16	3	16	48	57%
1:30 PM	2:20 PM	MWF	COMM 110 01 Essentials of Speaking and Listening	LEC	3	25	3	25	75	89%
3:00 PM	4:15 PM	TR	LEP 400 07 CIS: Sustainability: What's Beyond th	LEC	3	13	3	13	39	46%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**Bellows Academic Center • BA 240**

Space Use Code: Classroom

Department: Instruction	Capacity: 28
Average Enrollment: 24	Assignable Square Feet: 553
Weekly Student Contact Hours: 567	Assignable Sq. Ft. Per Station: 20
	Hours in Use Student Station Occupancy: 84%
	Weekly Room Hours: 24

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM		█		█	
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:00 PM					
1:00 PM	█	█	█	█	█
2:00 PM	█	█	█	█	█
3:00 PM	█	█	█	█	
4:00 PM	█	█	█	█	
5:00 PM	█		█		
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	ENG 100 03 Introduction to Academic Writing	LEC	3	22	3	22	66	79%
10:30 AM	11:20 AM	MWF	ENG 151 08 Academic Writing	LEC	3	27	3	27	81	96%
10:30 AM	11:45 AM	TR	MGMT 330 01 Organizational Behavior and Theory	LEC	3	15	3	15	45	54%
1:30 PM	2:20 PM	MWF	ENG 151 01 Academic Writing	LEC	3	25	3	25	75	89%
1:30 PM	2:45 PM	TR	LEP 400 05 CIS: Through the Eyes of Hip-Hop	LEC	3	25	3	25	75	89%
2:30 PM	3:45 PM	MW	ENG 151 03 Academic Writing	LEC	3	25	3	25	75	89%
3:00 PM	4:15 PM	TR	LEP 400 04 CIS: Through the Eyes of Hip-Hop	LEC	3	23	3	23	69	82%
4:00 PM	5:15 PM	MW	ENG 151 05 Academic Writing	LEC	3	27	3	27	81	96%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Charter Hall • CH 124**

Space Use Code: Classroom

Department: Instruction	Capacity: 39
Average Enrollment: 33	Assignable Square Feet: 972
Weekly Student Contact Hours: 393	Assignable Sq. Ft. Per Station: 25
	Hours in Use Student Station Occupancy: 84%
	Weekly Room Hours: 12

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█		█		█
10:00 AM	█		█		█
11:00 AM	█		█		█
12:00 PM					
1:00 PM	█		█		█
2:00 PM	█		█		█
3:00 PM	█		█		█
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:30 AM	10:20 AM	MWF	ACCT 211 01 Principles of Accounting I	LEC	3	39	3	39	117	100%
10:30 AM	11:20 AM	MWF	ACCT 211 02 Principles of Accounting I	LEC	3	38	3	38	114	97%
1:30 PM	2:20 PM	MWF	ACCT 311 01 Intermediate Accounting I	LEC	3	29	3	29	87	74%
2:30 PM	3:20 PM	MWF	ACCT 401 01 Advanced Accounting	LEC	3	25	3	25	75	64%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Charter Hall • CH 201**

Space Use Code: Classroom

Department: Instruction	Capacity: 225
Average Enrollment: 76	Assignable Square Feet: 2,793
Weekly Student Contact Hours: 912	Assignable Sq. Ft. Per Station: 12
	Hours in Use Student Station Occupancy: 34%

	MON	TUE	WED	THU	FRI
8:00 AM	█		█		█
9:00 AM	█		█		█
10:00 AM	█	█		█	
11:00 AM		█		█	
12:00 PM					
1:00 PM	█		█		█
2:00 PM	█		█		█
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

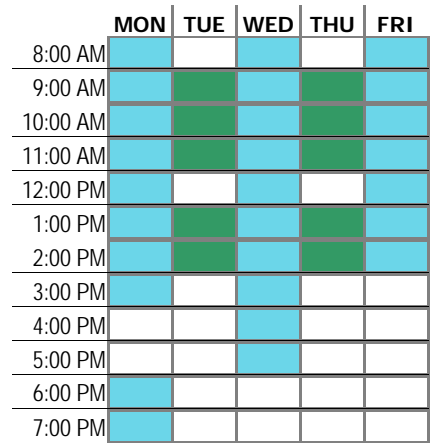
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %	
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH		
8:30 AM	9:20 AM	MWF	BIOL 200 01	Introduction to Cellular Biology	LEC	3	100	3	100	300	44%
9:30 AM	10:20 AM	MWF	ENVS 180 01	Environmental Science: Introduction	LEC	3	74	3	74	222	33%
10:30 AM	11:45 AM	TR	ENVS 101 01	Physical Geology	LEC	3	56	3	56	168	25%
1:30 PM	2:20 PM	MWF	BIOL 100 01	Biology in the Modern World	LEC	3	74	3	74	222	33%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Charter Hall • CH 204**

Space Use Code: Classroom

Department: Instruction	Capacity: 50
Average Enrollment: 27	Assignable Square Feet: 1,006
Weekly Student Contact Hours: 862	Assignable Sq. Ft. Per Station: 20
	Hours in Use Student Station Occupancy: 59%
	Weekly Room Hours: 29



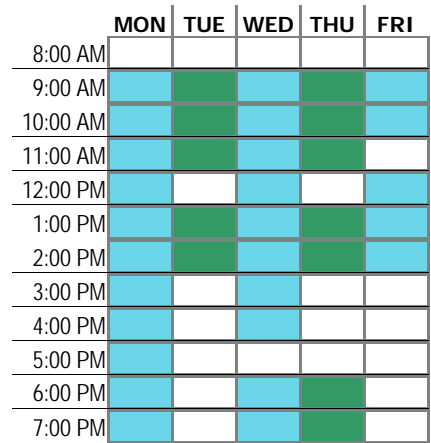
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
8:30 AM	9:20 AM	MWF	FIN 457 01 Corporate Finance I	LEC	3	38	3	38	114	76%
9:00 AM	10:15 AM	TR	ENG 151 04 Academic Writing	LEC	3	27	3	27	81	54%
9:30 AM	10:20 AM	MWF	ACCT 212 01 Principles of Accounting II	LEC	3	30	3	30	90	60%
10:30 AM	11:20 AM	MWF	FIN 350 01 Managerial Finance	LEC	3	41	3	41	123	82%
10:30 AM	11:45 AM	TR	ENG 151 07 Academic Writing	LEC	3	27	3	27	81	54%
11:30 AM	12:20 PM	MWF	ECON 202 01 Principles of Macroeconomics	LEC	3	39	3	39	117	78%
1:30 PM	2:20 PM	MWF	ECON 210 01 Introduction to Cooperatives	LEC	3	36	3	36	108	72%
1:30 PM	2:45 PM	TR	FIN 370 01 Capital Budgeting	LEC	3	26	3	26	78	52%
2:30 PM	3:20 PM	MW	IDST 110 02 The University Experience	LEC	2	18	2	18	36	36%
3:30 PM	5:30 PM	W	FIN 495 01 Senior Examination	LEC	0.1	7	0.1	7	1	14%
6:00 PM	8:50 PM	M	MBA 684 01 Managerial Economics	LEC	3	11	3	11	33	22%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Charter Hall • CH 206**

Space Use Code: Classroom

Department: Instruction	Capacity: 40
Average Enrollment: 21	Assignable Square Feet: 670
Weekly Student Contact Hours: 675	Assignable Sq. Ft. Per Station: 17
	Hours in Use Student Station Occupancy: 53%
	Weekly Room Hours: 32



Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	COMM 110 05	LEC	3	26	3	26	78	65%
9:30 AM	10:20 AM	MWF	COMM 360 01	LEC	3	21	3	21	63	53%
10:30 AM	11:20 AM	MW	IDST 110 09	LEC	2	18	2	18	36	45%
10:30 AM	11:45 AM	TR	ED 315 02	LEC	3	13	3	13	39	33%
12:30 PM	1:20 PM	MWF	ED 301 01	LAB	3	11	3	11	33	28%
1:30 PM	2:20 PM	MWF	ECON 201 01	LEC	3	34	3	34	102	85%
1:30 PM	2:45 PM	TR	COMM 112 01	LEC	3	16	3	16	48	40%
3:00 PM	4:15 PM	MW	SPED 290 01	LEC	3	27	3	27	81	68%
5:30 PM	8:20 PM	M	COMM 110 04	LEC	3	26	3	26	78	65%
6:00 PM	9:00 PM	R	MBA 685 40	LEC	3	27	3	27	81	68%
6:00 PM	8:50 PM	W	MGMT 492 01	LEC	3	12	3	12	36	30%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Charter Hall • CH 208**

Space Use Code: Classroom

Department: Instruction	Capacity: 39
Average Enrollment: 16	Assignable Square Feet: 718
Weekly Student Contact Hours: 432	Assignable Sq. Ft. Per Station: 18
	Hours in Use Student Station Occupancy: 41%
	Weekly Room Hours: 27

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
8:30 AM	9:55 AM	TR	ECON 201 02 Principles of Microeconomics	LEC	3.1	32	3.1	32	99	82%
9:30 AM	10:20 AM	MWF	AGBU 365 01 Farm and Ranch Management I	LEC	3	11	3	11	33	28%
10:30 AM	11:20 AM	MWF	FIN 365 01 Personal Financial Planning	LEC	3	11	3	11	33	28%
10:30 AM	11:45 AM	TR	ECON 390 01 Economic Development	LEC	3	13	3	13	39	33%
11:30 AM	12:20 PM	MWF	AGBU 330 01 Commodity Futures & Options Tradin	LEC	3	16	3	16	48	41%
12:30 PM	1:20 PM	MWF	FIN 375 01 Investments	LEC	3	10	3	10	30	26%
1:30 PM	2:20 PM	MWF	IDST 110 01 The University Experience	LEC	3	22	3	22	66	56%
1:30 PM	2:45 PM	TR	ECON 202 02 Principles of Macroeconomics	LEC	3	19	3	19	57	49%
2:30 PM	3:20 PM	MWF	FIN 492 01 Financial Policy	LEC	3	9	3	9	27	23%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Charter Hall • CH 217**

Space Use Code: Classroom

Department: Instruction	Capacity: 150
Average Enrollment: 51	Assignable Square Feet: 1.955
Weekly Student Contact Hours: 921	Assignable Sq. Ft. Per Station: 13
	Hours in Use Student Station Occupancy: 34%
	Weekly Room Hours: 18

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█	█	█	█	█
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:00 PM					
1:00 PM	█				
2:00 PM	█				
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

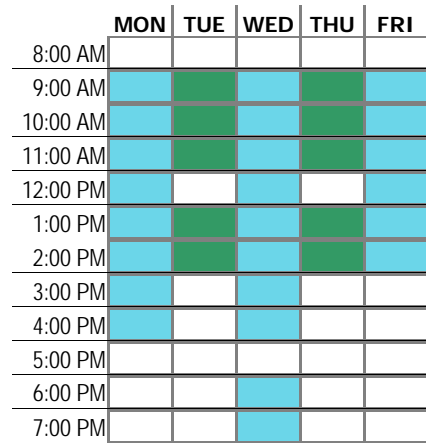
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	EXSC 100 01 Anatomical Kinesiology	LEC	3	65	3	65	195	43%
9:30 AM	10:20 AM	MWF	BIOL 100 02 Biology in the Modern World	LEC	3	64	3	64	192	43%
10:30 AM	11:20 AM	MWF	BIOL 305 01 Human Anatomy & Physiology I	LEC	3	52	3	52	156	35%
10:30 AM	11:45 AM	TR	POL 120 01 American National Government	LEC	3	52	3	52	156	35%
12:30 PM	1:20 PM	MWF	ECON 201 03 Principles of Microeconomics	LEC	3	34	3	34	102	23%
1:30 PM	2:20 PM	MWF	CHEM 231 01 General Chemistry I	LEC	3	40	3	40	120	27%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Charter Hall • CH 219**

Space Use Code: Classroom

Department: Instruction	Capacity: 54
Average Enrollment: 22	Assignable Square Feet: 972
Weekly Student Contact Hours: 577	Assignable Sq. Ft. Per Station: 18
	Hours in Use Student Station Occupancy: 42%
	Weekly Room Hours: 26



Start Time	End Time	Days	Course	COURSE		SECTION				Student Station Occupancy %	
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH		
9:00 AM	9:50 AM	TR	IDST 110 07	The University Experience	LEC	2	19	2	19	38	35%
9:30 AM	10:20 AM	MWF	POL 117 01	Introduction to Government & Politics	LEC	3	28	3	28	84	52%
10:30 AM	11:20 AM	MWF	BADM 305 01	Business Law I	LEC	3	26	3	26	78	48%
10:30 AM	11:45 AM	TR	EXSC 490 01	Fitness Assessment & Exercise Pres	LEC	3	28	3	28	84	52%
11:30 AM	12:20 PM	MWF	ACCT 350 01	Federal Tax I	LEC	3	32	3	32	96	59%
1:30 PM	2:20 PM	MWF	FIN 360 01	Insurance and Risk Management	LEC	3	13	3	13	39	24%
1:30 PM	2:45 PM	TR	LEP 100 11	FYS: Fitness, Fads, and Myths of He	LEC	3	27	3	27	81	50%
3:00 PM	4:15 PM	MW	MGMT 323 01	Project Management	LEC	3	12	3	12	36	22%
6:00 PM	8:40 PM	W	COMM 410 01	Communication Analysis	LEC	2.7	15	2.7	15	41	28%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**Charter Hall • CH 222**

Space Use Code: Classroom

Department: Instruction	Capacity: 35
Average Enrollment: 22	Assignable Square Feet: 670
Weekly Student Contact Hours: 448	Assignable Sq. Ft. Per Station: 19
	Hours in Use Student Station Occupancy: 70%
	Weekly Room Hours: 18

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█	█	█	█	█
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	
12:00 PM					
1:00 PM	█				█
2:00 PM	█				█
3:00 PM	█				█
4:00 PM	█				
5:00 PM			█		
6:00 PM			█		
7:00 PM			█		

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	LEP 100 05 FYS: Memory in Young Adult Fiction	LEC	3	25	3	25	75	71%
9:30 AM	10:20 AM	MWF	PHIL 100 01 Introduction to Philosophy	LEC	3	30	3	30	90	86%
10:30 AM	11:45 AM	R	CULG 400 01 Culinary Trends and Innovations	LEC	1.5	19	1.5	19	29	54%
10:30 AM	11:45 AM	T	ENG 251 03 Writing in Professions	LEC	1.5	27	1.5	27	41	77%
11:30 AM	12:20 PM	MW	IDST 110 03 The University Experience	LEC	2	23	2	23	46	66%
1:30 PM	2:20 PM	MWF	MGMT 101 01 Introduction to Business	LEC	3	28	3	28	84	80%
2:30 PM	3:20 PM	MWF	FIN 492 01A Financial Policy	LEC	0.4	9	0.4	9	4	26%
4:00 PM	4:50 PM	M	COMM 161 01 Communication Activities: Forensics	LEC	1	14	1	14	14	40%
5:30 PM	8:20 PM	W	COMM 110 06 Essentials of Speaking and Listening	LEC	3	22	3	22	66	63%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Fine Arts • FA 131**

Space Use Code: Classroom

Department: Instruction	Capacity: 25
Average Enrollment: 11	Assignable Square Feet: 452
Weekly Student Contact Hours: 132	Assignable Sq. Ft. Per Station: 18
	Hours in Use Student Station Occupancy: 48%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█		█		█
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	
12:00 PM					
1:00 PM	█	█	█	█	
2:00 PM	█	█	█	█	
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

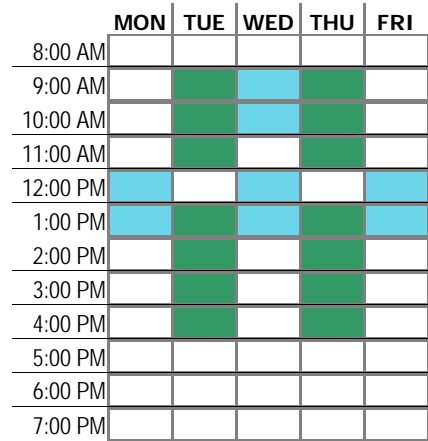
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:30 AM	10:20 AM	MWF	MUS 391 01 Teaching Music in Elementary School	LEC	3	20	3	20	60	80%
10:30 AM	11:20 AM	MW	MUS 272 01 Music Theory III	LEC	2	7	2	7	14	28%
10:30 AM	11:20 AM	TR	MUS 272L 31 Music Theory Lab III	LAB	2	7	2	7	14	28%
1:30 PM	2:20 PM	MW	MUS 172 01 Music Theory I	LEC	2	11	2	11	22	44%
1:30 PM	2:20 PM	TR	MUS 172L 31 Music Theory I Lab	LAB	2	11	2	11	22	44%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Fine Arts • FA 225**

Space Use Code: Classroom

Department: Instruction	Capacity: 35
Average Enrollment: 21	Assignable Square Feet: 1.157
Weekly Student Contact Hours: 345	Assignable Sq. Ft. Per Station: 33
	Hours in Use Student Station Occupancy: 63%
	Weekly Room Hours: 16



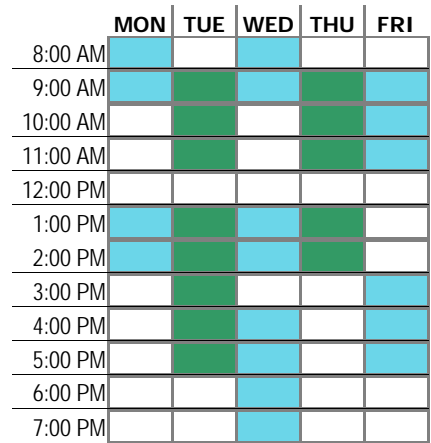
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	LEP 100 04 FYS: Baseball in Film	LEC	3	27	3	27	81	77%
9:00 AM	11:00 AM	W	GOLD 1000 10A The Art Nouveau Movement: A Brief	LEC	0.6	15	0.6	15	9	43%
10:30 AM	11:45 AM	TR	SPAN 342 01 Latin American Culture & Civilization	LEC	3	7	3	7	21	20%
12:30 PM	1:20 PM	MWF	LEP 100 12 FYS: Baseball in Film	LEC	3	27	3	27	81	77%
1:30 PM	2:45 PM	TR	COMM 110 03 Essentials of Speaking and Listening	LEC	3	26	3	26	78	74%
3:00 PM	4:15 PM	TR	ART 150 01A Art History I	LEC	3	25	3	25	75	71%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Individual Learning Center • IL 208

Space Use Code: Classroom

Department: Instruction	Capacity: 50
Average Enrollment: 23	Assignable Square Feet: 1,128
Weekly Student Contact Hours: 643	Assignable Sq. Ft. Per Station: 23
	Hours in Use Student Station Occupancy: 46%
	Weekly Room Hours: 28



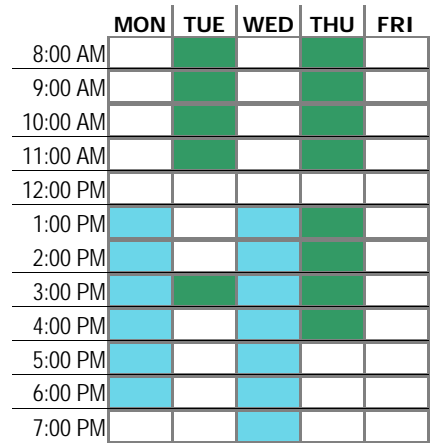
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:45 AM	MW	ED 101 01 Introduction to Education and Lab	LAB	3	27	3	27	81	54%
9:00 AM	12:00 PM	F	MBA 685 41 Strategic Management and Policy	LEC	0.2	26	0.2	26	5	52%
9:00 AM	12:00 PM	F	MBA 685 41A Strategic Management and Policy	LEC	3	26	3	26	78	52%
9:00 AM	10:15 AM	TR	ED 402 01 Early Literacy and Linguistics & Lab	LEC	3	18	3	18	54	36%
10:30 AM	11:45 AM	TR	ED 402 02 Early Literacy and Linguistics & Lab	LEC	3	23	3	23	69	46%
1:30 PM	2:45 PM	MW	MGMT 300 02 Management Principles	LEC	3	27	3	27	81	54%
1:30 PM	2:45 PM	TR	ED 344 01 Elementary Social Sciences Methods	LEC	3	24	3	24	72	48%
3:00 PM	5:30 PM	T	ED 331 01 Infants and Toddlers	LEC	3	30	3	30	90	60%
3:30 PM	5:45 PM	F	CULG 430 01 Unit Operations in Food Processing	LEC	2.3	17	2.3	17	39	34%
4:45 PM	7:00 PM	W	ED 402 03 Early Literacy and Linguistics & Lab	LEC	2.3	6	2.3	12	28	24%
4:45 PM	7:00 PM	W	ED 502 01 Early Literacy and Linguistics	LEC	2.3	6				
7:30 PM	9:30 PM	W	ED 625 01 21st Century Based Teaching and Le	LEC	2	23	2	23	46	46%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Individual Learning Center • IL 210

Space Use Code: Classroom

Department: Instruction	Capacity: 30
Average Enrollment: 21	Assignable Square Feet: 722
Weekly Student Contact Hours: 453	Assignable Sq. Ft. Per Station: 24
	Hours in Use Student Station Occupancy: 70%
	Weekly Room Hours: 22



Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
7:30 AM	8:45 AM	TR	ED 361 01B	Mathematics Methods/Assessments	LAB	0.4	19	0.4	19	8	63%
7:30 AM	8:45 AM	TR	ED 361 01C	Mathematics Methods/Assessments	LAB	1.9	19	1.9	19	36	63%
7:45 AM	8:30 AM	TR	ED 361 01E	Mathematics Methods/Assessments	LAB	0.1	19	0.1	19	2	63%
9:00 AM	10:15 AM	TR	ED 361 02	Mathematics Methods/Assessments	LAB	3	25	3	25	75	83%
10:30 AM	11:45 AM	TR	ED 220 01	ELA (English Language Arts) Method	LEC	3	24	3	24	72	80%
1:30 PM	3:10 PM	M	ED 275 01	Foundations: Parent-Child Relationsh	LEC	2	16	2	16	32	53%
1:30 PM	2:45 PM	R	CULG 350 01	Aromatics and Flavors	LEC	1.5	20	1.5	20	30	67%
1:30 PM	2:20 PM	W	ED 443 02	Action Research I	LEC	1	21	1	21	21	70%
3:00 PM	4:25 PM	R	ED 453 01	Assessment in Education	LEC	1.6	30	1.6	30	48	100%
3:00 PM	3:50 PM	T	ED 443 01	Action Research I	LEC	1	25	1	25	25	83%
3:30 PM	5:10 PM	W	ED 346 01	Children's Literature	LEC	2	12	2	12	24	40%
4:45 PM	6:30 PM	M	HLTH 491 01	Elementary School Health Education	LEC	2	29	2	29	58	97%
5:30 PM	7:25 PM	W	ED 621 01	Critical Theory of Educational System	LEC	2	11	2	11	22	37%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Individual Learning Center • IL 214**

Space Use Code: Classroom

Department: Instruction	Capacity: 50
Average Enrollment: 29	Assignable Square Feet: 1.052
Weekly Student Contact Hours: 348	Assignable Sq. Ft. Per Station: 21
	Hours in Use Student Station Occupancy: 58%
	Weekly Room Hours: 12

	MON	TUE	WED	THU	FRI
8:00 AM	█				
9:00 AM	█				
10:00 AM	█	█		█	
11:00 AM	█	█		█	
12:00 PM					
1:00 PM		█		█	
2:00 PM	█	█		█	
3:00 PM	█				
4:00 PM	█				
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %	
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH		
8:30 AM	11:30 AM	M	MBA 603 40	Organization and Managerial Behavio	LEC	3	27	3	27	81	54%
10:30 AM	11:45 AM	TR	ED 101 03	Introduction to Education and Lab	LAB	3	33	3	33	99	66%
1:30 PM	2:45 PM	TR	ED 251 01	Introduction to Child Growth & Develo	LEC	3	30	3	30	90	60%
2:00 PM	5:00 PM	M	MBA 603 41	Organization and Managerial Behavio	LEC	3	26	3	26	78	52%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Physical Education • PE 214

Space Use Code: Classroom

Department: Instruction	Capacity: 40
Average Enrollment: 21	Assignable Square Feet: 1.151
Weekly Student Contact Hours: 559	Assignable Sq. Ft. Per Station: 29
	Hours in Use Student Station Occupancy: 50%
	Weekly Room Hours: 28

	MON	TUE	WED	THU	FRI
8:00 AM	█	█	█	█	█
9:00 AM		█		█	
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:00 PM					
1:00 PM	█		█		
2:00 PM	█		█		
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM	█		█	█	
7:00 PM	█		█	█	

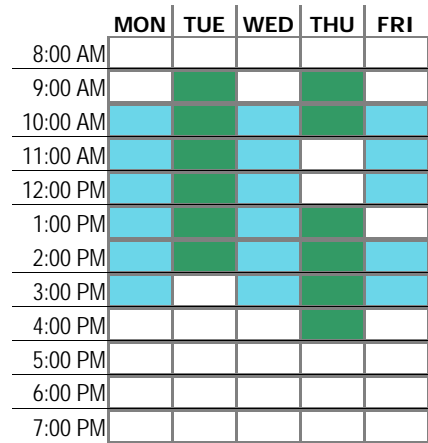
Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
8:00 AM	8:50 AM	MWF	PE 210 01	Methods of Adapted Physical Educat	LEC	3	12	3	12	36	30%
8:00 AM	8:50 AM	TR	HLTH 110 02	First Aid and Safety/CPR	LEC	2	18	2	18	36	45%
9:00 AM	9:50 AM	TR	HLTH 110 01	First Aid and Safety/CPR	LEC	2	23	2	23	46	58%
10:30 AM	11:20 AM	MWF	PE 401 01B	K-12 Physical Education Methods	LEC	3	15	3	15	45	38%
10:30 AM	11:45 AM	TR	EXSC 300 01	Biomechanics of Human Motion	LEC	3	30	3	30	90	75%
11:30 AM	12:20 PM	MWF	PE 478 01	Recreation & Sports Mgmt	LEC	3	13	3	17	51	43%
11:30 AM	12:20 PM	MWF	PE 578 01	Recreation and Sport Management	LEC	3	4				
12:30 PM	1:20 PM	MW	PE 101 01	Introduction to Health and Physical E	LEC	2	26	2	26	52	65%
1:30 PM	2:20 PM	MW	PE 381 01A	Elementary School Physical Educati	LEC	2	17	2	17	34	43%
6:00 PM	9:00 PM	R	EXSC 100 50	Anatomical Kinesiology	LEC	3	13	3	13	39	33%
6:00 PM	8:30 PM	W	PE 484 01	Planning Facilities for Physical Activiti	LEC	3	14	3	16	48	40%
6:00 PM	8:30 PM	W	PE 584 01	Planning Facilities for Physical Activiti	LEC	3	2				
6:30 PM	8:10 PM	M	EXSC 201 01	Sport Psychology	LEC	2	41	2	41	82	103%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science & Technology • ST 216

Space Use Code: Classroom

Department: Instruction	Capacity: 40
Average Enrollment: 24	Assignable Square Feet: 1,400
Weekly Student Contact Hours: 520	Assignable Sq. Ft. Per Station: 35
	Hours in Use Student Station Occupancy: 62%
	Weekly Room Hours: 21



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	LEP 100 08 FYS: Social Media Influence in Popul	LEC	3	26	3	26	78	65%
10:30 AM	11:20 AM	MWF	ART 100 01 Introduction to Visual Arts	LEC	3	30	3	30	90	75%
10:30 AM	12:30 PM	T	AGRO 132 02 Principles & Practices of Crop Produc	LEC	2	13	2	13	26	33%
11:30 AM	12:20 PM	MWF	ART 100 02 Introduction to Visual Arts	LEC	3	28	3	28	84	70%
1:30 PM	2:20 PM	MW	EXSC 400 01 Motor Learning & Development	LEC	2	20	2	20	40	50%
1:30 PM	2:45 PM	TR	MKTG 301 02 Principles of Marketing	LEC	3	30	3	30	90	75%
2:30 PM	3:20 PM	MWF	BIOL 311 01 Ecology	LEC	3	24	3	24	72	60%
3:00 PM	5:00 PM	R	AGRO 132 01A Principles & Practices of Crop Produc	LEC	2	20	2	20	40	50%

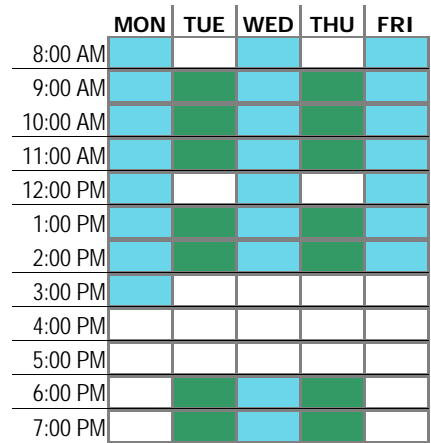
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



Science & Technology • ST 218

Space Use Code: Classroom

Department: Instruction	Capacity: 69
Average Enrollment: 25	Assignable Square Feet: 1,400
Weekly Student Contact Hours: 738	Assignable Sq. Ft. Per Station: 20
	Hours in Use Student Station Occupancy: 36%
	Weekly Room Hours: 30



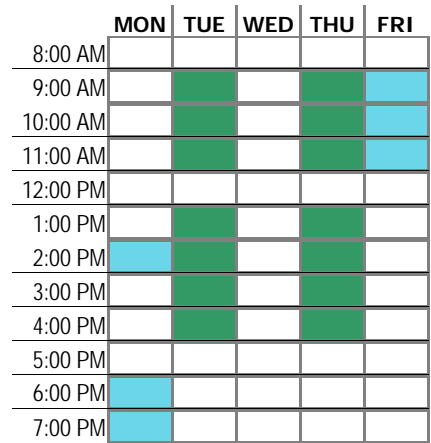
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:20 AM	MWF	MKTG 381 01 Advertising Management	LEC	3	18	3	18	54	26%
9:00 AM	10:15 AM	TR	MBA 541 01 Marketing Research	LEC	3	3	3	35	105	51%
9:00 AM	10:15 AM	TR	MKTG 441 01 Marketing Research	LEC	3	32				
10:30 AM	11:20 AM	MWF	MBA 561 01 Entrepreneurship	LEC	3	7	3	22	66	32%
10:30 AM	11:20 AM	MWF	MKTG 461 01 Entrepreneurship	LEC	3	15				
10:30 AM	11:45 AM	TR	MKTG 391 01 Consumer Behavior	LEC	3	13	3	13	39	19%
11:30 AM	12:20 PM	MWF	MKTG 321 01 Retail Management	LEC	3	10	3	10	30	14%
1:30 PM	2:20 PM	MWF	MBA 521 01 Business to Business Marketing	LEC	3	16	3	52	156	75%
1:30 PM	2:20 PM	MWF	MKTG 421 01 Business-to-Business Marketing	LEC	3	36				
1:30 PM	2:45 PM	TR	MKTG 331 01 Professional Selling	LEC	3	24	3	24	72	35%
2:30 PM	3:20 PM	M	CULG 100 01 Introduction to Culinary	LEC	1	22	1	22	22	32%
6:00 PM	9:00 PM	R	MBA 607 01 Strategic Marketing Management	LEC	3	16	3	16	48	23%
6:00 PM	9:00 PM	T	MBA 681 01 International Business & Leadership	LEC	3	22	3	22	66	32%
6:30 PM	8:20 PM	W	CHEM 231L 34 General Chemistry I Lab	LAB	2	40	2	40	80	58%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science & Technology • ST 252

Space Use Code: Classroom

Department: Instruction	Capacity: 36
Average Enrollment: 21	Assignable Square Feet: 891
Weekly Student Contact Hours: 360	Assignable Sq. Ft. Per Station: 25
	Hours in Use Student Station Occupancy: 62%
	Weekly Room Hours: 16



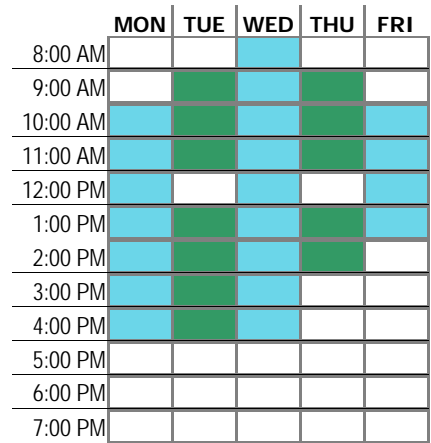
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	12:00 PM	F	MBA 685 41B Strategic Management and Policy	LEC	0.2	26	0.2	26	5	72%
9:00 AM	10:15 AM	TR	MKTG 301 01 Principles of Marketing	LEC	3	33	3	33	99	92%
10:30 AM	11:45 AM	TR	ACCT 421 01 Auditing I	LEC	3	21	3	21	63	58%
1:00 PM	2:30 PM	TR	MBA 670 40 Financial Analysis	LEC	3	28	3	28	84	78%
2:00 PM	3:00 PM	M	ENG 495 01 Senior Capstone	LEC	1	7	1	7	7	19%
3:00 PM	4:15 PM	TR	LIT 331 01 American Literature: Beginning throug	LEC	3	15	3	15	45	42%
6:00 PM	8:50 PM	M	MBA 606 87 Accounting for Managers	LEC	3	19	3	19	57	53%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science And Math • SM 269

Space Use Code: Classroom

Department: Instruction	Capacity: 46
Average Enrollment: 24	Assignable Square Feet: 1,313
Weekly Student Contact Hours: 514	Assignable Sq. Ft. Per Station: 29
	Hours in Use Student Station Occupancy: 55%
	Weekly Room Hours: 20



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
8:00 AM	5:00 PM	W	NURS 430 01A Evidence Based Practice	LEC	0.6	23	0.6	23	14	50%
9:00 AM	10:15 AM	TR	EXSC 350 01 Exercise Physiology	LEC	3	29	3	29	87	63%
10:30 AM	11:20 AM	MWF	AGRO 132 01 Principles & Practices of Crop Produc	LEC	3	20	3	33	99	72%
10:30 AM	11:20 AM	MWF	AGRO 132 02A Principles & Practices of Crop Produc	LEC	3	13				
10:30 AM	11:45 AM	TR	ED 344 02 Elementary Social Sciences Methods	LEC	3	19	3	19	57	41%
12:30 PM	1:20 PM	MWF	AGRO 454 01 Experimental Design in Agriculture	LEC	3	9	3	9	27	20%
1:30 PM	2:45 PM	TR	PHYS 121 01 Introduction to Astronomy	LEC	3	53	3	53	159	115%
2:30 PM	3:20 PM	MW	IDST 110 02B The University Experience	LEC	0.1	18	0.1	18	2	39%
3:00 PM	4:15 PM	T	COMP 492 01 Capstone Project	LEC	1.5	14	1.5	14	21	30%
3:30 PM	4:45 PM	MW	COMP 425 01 Software Engineering	LEC	3	16	3	16	48	35%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 106**

Space Use Code: Classroom

Department: Instruction	Capacity: 40
Average Enrollment: 19	Assignable Square Feet: 1,094
Weekly Student Contact Hours: 216	Assignable Sq. Ft. Per Station: 27
	Hours in Use Student Station Occupancy: 51%
	Weekly Room Hours: 11

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM		█		█	
10:00 AM		█		█	
11:00 AM	█	█	█	█	█
12:00 PM	█		█		█
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM	█				
5:00 PM	█				
6:00 PM					
7:00 PM					

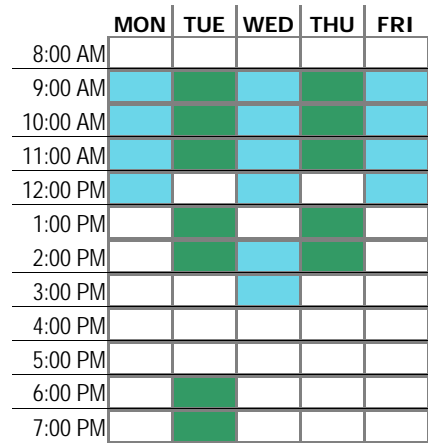
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	PHIL 103 01 Ethics	LEC	3	28	3	28	84	70%
10:30 AM	11:45 AM	TR	HUMT 201 01 Origins of Western Civilization	LEC	3	19	3	19	57	48%
11:30 AM	12:20 PM	MWF	JUAD 450 01 Criminal Law	LEC	3	20	3	20	60	50%
4:00 PM	5:15 PM	M	SOCI 495 01 Senior Capstone in Sociology	LEC	1.5	10	1.5	10	15	25%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 128**

Space Use Code: Classroom

Department: Instruction	Capacity: 49
Average Enrollment: 21	Assignable Square Feet: 870
Weekly Student Contact Hours: 410	Assignable Sq. Ft. Per Station: 18
	Hours in Use Student Station Occupancy: 45%



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	PSYC 339 01 Positive Psychology	LEC	3	13	3	13	39	27%
9:30 AM	10:20 AM	MWF	PSYC 338 01 Psychology of Personality	LEC	3	21	3	21	63	43%
10:30 AM	11:45 AM	TR	MGMT 300 01 Management Principles	LEC	3	40	3	40	120	82%
11:30 AM	12:20 PM	MWF	PSYC 335 01 Abnormal Psychology	LEC	3	26	3	26	78	53%
1:30 PM	2:45 PM	TR	PSYC 335 02 Abnormal Psychology	LEC	3	19	3	19	57	39%
2:00 PM	4:00 PM	W	GOLD 1000 13 Introduction to Geography	LEC	0.6	14	0.6	14	8	29%
6:30 PM	9:00 PM	T	PSYC 400 01 Advanced Applied Psychology	LEC	3	15	3	15	45	31%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 201**

Space Use Code: Classroom

Department: Instruction	Capacity: 40
Average Enrollment: 22	Assignable Square Feet: 662
Weekly Student Contact Hours: 327	Assignable Sq. Ft. Per Station: 17
	Hours in Use Student Station Occupancy: 55%
	Weekly Room Hours: 15

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM		█		█	
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:00 PM	█		█		█
1:00 PM		█		█	
2:00 PM		█		█	
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

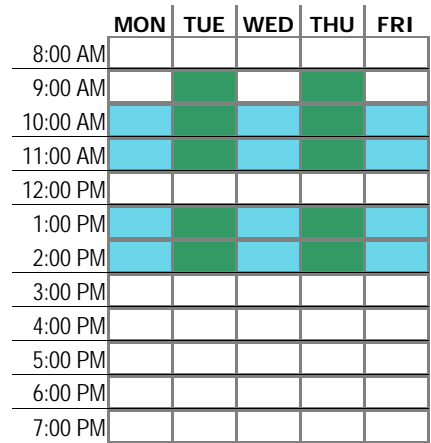
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	SOCI 315 01 Applied Social Research	LEC	3	20	3	20	60	50%
10:30 AM	11:20 AM	MWF	SPAN 201 01 Intermediate Spanish I	LEC	3	10	3	10	30	25%
10:30 AM	11:45 AM	TR	SOCI 315 02 Applied Social Research	LEC	3	31	3	31	93	78%
11:30 AM	12:20 PM	MWF	SPAN 101 01 Beginning Spanish I	LEC	3	29	3	29	87	73%
1:30 PM	2:45 PM	TR	SOCI 318 01 Forces for Social Change	LEC	3	19	3	19	57	48%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 202**

Space Use Code: Classroom

Department: Instruction	Capacity: 42
Average Enrollment: 21	Assignable Square Feet: 782
Weekly Student Contact Hours: 303	Assignable Sq. Ft. Per Station: 19
	Hours in Use Student Station Occupancy: 52%
	Weekly Room Hours: 14



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	COMP 166 01 Data Structures	LAB	3	31	3	31	93	74%
10:30 AM	11:20 AM	MWF	POL 328 01 Constitutional Law I: Criminal Justice	LEC	3	8	3	8	24	19%
10:30 AM	11:45 AM	TR	COMP 368 01 Information & Knowledge Manageme	LEC	3	22	3	22	66	52%
1:30 PM	2:20 PM	MTWRF	MATH 150 02B Calculus I	LEC	5	24	5	24	120	57%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 203**

Space Use Code: Classroom

Department: Instruction	Capacity: 35
Average Enrollment: 21	Assignable Square Feet: 578
Weekly Student Contact Hours: 315	Assignable Sq. Ft. Per Station: 17
	Hours in Use Student Station Occupancy: 60%
	Weekly Room Hours: 15

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█	█	█	█	█
10:00 AM	█	█	█	█	█
11:00 AM		█		█	
12:00 PM	█		█		█
1:00 PM	█	█	█	█	█
2:00 PM		█		█	
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	ED 315 01 Play & Creative Activities & Lab	LEC	3	14	3	14	42	40%
9:30 AM	10:20 AM	MWF	HIST 301 01 Historiography	LEC	3	21	3	21	63	60%
10:30 AM	11:45 AM	TR	LEP 100 02 FYS: Good King, Bad King	LEC	3	27	3	27	81	77%
12:30 PM	1:20 PM	MWF	LEP 100 13 FYS: Good King Bad King	LEC	3	27	3	27	81	77%
1:30 PM	2:45 PM	TR	LEP 100 99 FYS: Good King Bad King	LEC	3	16	3	16	48	46%

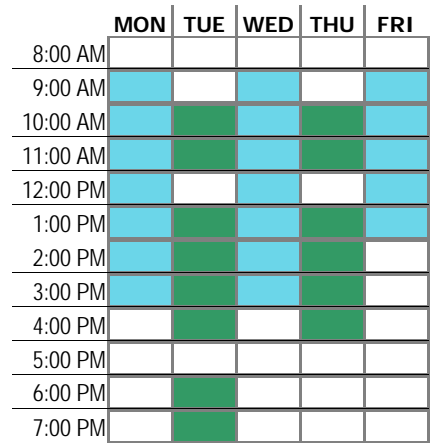
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**Social Science • SS 204**

Space Use Code: Classroom

Department: Instruction	Capacity: 42
Average Enrollment: 32	Assignable Square Feet: 811
Weekly Student Contact Hours: 852	Assignable Sq. Ft. Per Station: 19
	Hours in Use Student Station Occupancy: 75%
	Weekly Room Hours: 27



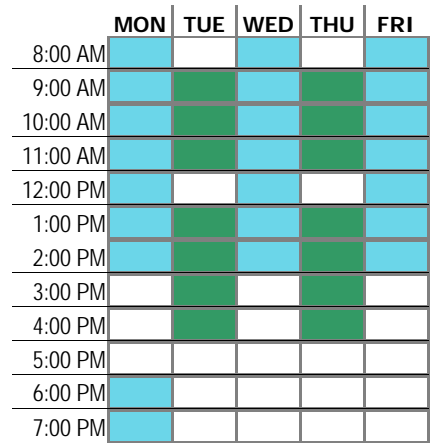
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:30 AM	10:20 AM	MWF	HUMT 230 01 World Religions	LEC	3	30	3	30	90	71%
10:30 AM	11:20 AM	MWF	SOCI 101 01 Introduction to Sociology	LEC	3	40	3	40	120	95%
10:30 AM	11:45 AM	TR	HIST 221 02 Early America: History of the U.S. fro	LEC	3	36	3	36	108	86%
11:30 AM	12:20 PM	MWF	SOCI 101 02 Introduction to Sociology	LEC	3	39	3	39	117	93%
12:30 PM	1:20 PM	MWF	ENVS 301 01 Basic Soil Science	LEC	3	31	3	31	93	74%
1:30 PM	2:45 PM	TR	SOCI 212 01 Human Relations	LEC	3	30	3	30	90	71%
2:30 PM	3:45 PM	MW	SOCI 211 01 Marriage and the Family	LEC	3	39	3	39	117	93%
3:00 PM	4:15 PM	TR	SOCI 212 02 Human Relations	LEC	3	28	3	28	84	67%
6:00 PM	8:30 PM	T	ANTH 116 01 Cultural Anthropology	LEC	3	11	3	11	33	26%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Social Science • SS 205

Space Use Code: Classroom

Department: Instruction	Capacity: 60
Average Enrollment: 31	Assignable Square Feet: 956
Weekly Student Contact Hours: 1,020	Assignable Sq. Ft. Per Station: 16
	Hours in Use Student Station Occupancy: 52%
	Weekly Room Hours: 33



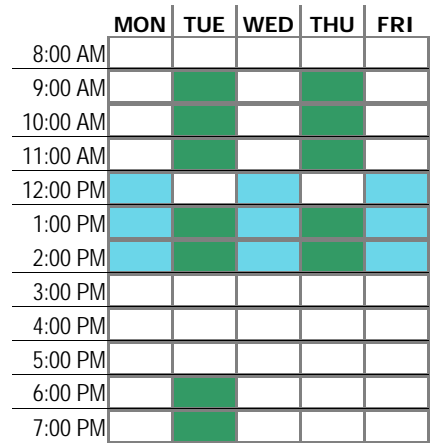
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	9:20 AM	MWF	CHEM 351 01 Organic Chemistry I	LEC	3	35	3	35	105	58%
9:00 AM	10:15 AM	TR	JUAD 442 01 Court, Police, and Corrections Manag	LEC	3	18	3	18	54	30%
9:30 AM	10:20 AM	MWF	CHEM 231 02 General Chemistry I	LEC	3	54	3	54	162	90%
10:30 AM	11:20 AM	MWF	JUAD 380 01 Corporate & White Collar Crime	LEC	3	36	3	36	108	60%
10:30 AM	11:45 AM	TR	SOCI 270 02 Gender Issues	LEC	3	26	3	26	78	43%
11:30 AM	12:20 PM	MWF	JUAD 144 01 Introduction to Justice & Society	LEC	3	38	3	38	114	63%
12:30 PM	1:20 PM	MWF	JUAD 144 02 Introduction to Justice & Society	LEC	3	37	3	37	111	62%
1:30 PM	2:20 PM	MWF	JUAD 398 01 Pro-Seminar	LEC	3	14	3	14	42	23%
1:30 PM	2:45 PM	TR	JUAD 144 03 Introduction to Justice & Society	LEC	3	26	3	26	78	43%
3:00 PM	4:15 PM	TR	PSYC 101 01 General Psychology I	LEC	3	36	3	36	108	60%
6:00 PM	8:50 PM	M	JUAD 370 01 Criminology	LEC	3	14	3	20	60	33%
6:00 PM	8:50 PM	M	SOCI 370 01 Criminology	LEC	3	6				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 206**

Space Use Code: Classroom

Department: Instruction	Capacity: 49
Average Enrollment: 26	Assignable Square Feet: 811
Weekly Student Contact Hours: 471	Assignable Sq. Ft. Per Station: 17
	Hours in Use Student Station Occupancy: 53%
	Weekly Room Hours: 18



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	HIST 210 01 Contemporary World History	LEC	3	37	3	37	111	76%
10:30 AM	11:45 AM	TR	HIST 210 02 Contemporary World History	LEC	3	31	3	31	93	63%
12:30 PM	1:20 PM	MWF	PSYC 317 01 Social Psychology	LEC	3	31	3	31	93	63%
1:30 PM	2:20 PM	MWF	BIOL 303 01 Microbiology	LEC	3	32	3	32	96	65%
1:30 PM	2:45 PM	TR	HIST 362 01 Making of Modern America	LEC	3	8	3	8	24	16%
6:00 PM	8:30 PM	T	HIST 326 01 Native Americans, Africans, & Europe	LEC	3	18	3	18	54	37%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Social Science • SS 208

Space Use Code: Classroom

Department: Instruction	Capacity: 49
Average Enrollment: 22	Assignable Square Feet: 811
Weekly Student Contact Hours: 669	Assignable Sq. Ft. Per Station: 17
	Hours in Use Student Station Occupancy: 46%
	Weekly Room Hours: 30

	MON	TUE	WED	THU	FRI
8:00 AM	█		█		
9:00 AM	█	█	█	█	█
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:00 PM	█		█		█
1:00 PM	█	█	█	█	█
2:00 PM	█	█	█	█	█
3:00 PM	█	█	█		
4:00 PM		█			
5:00 PM		█			
6:00 PM					
7:00 PM					

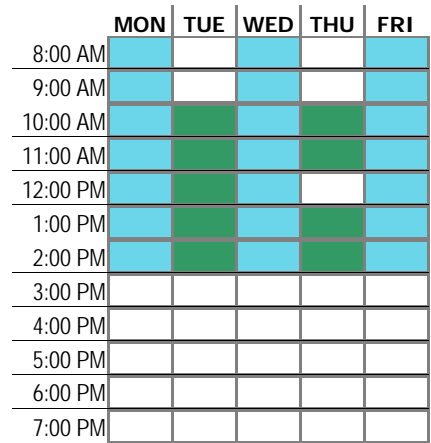
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	9:15 AM	MW	MATH 360 01 Linear Algebra	LEC	3	7	3	7	21	14%
9:00 AM	10:15 AM	TR	MATH 310 01 Number Theory	LEC	3	8	3	8	24	16%
9:30 AM	10:20 AM	MWF	PSYC 200 01 Statistics for the Behavioral Sciences	LEC	3	29	3	29	87	59%
10:30 AM	11:20 AM	MWF	HIST 242 01 Early Europe	LEC	3	40	3	40	120	82%
10:30 AM	11:45 AM	TR	MATH 115 02 Finite Mathematics	LEC	3	24	3	24	72	49%
11:30 AM	12:20 PM	MWF	HIST 222 02 Modern America: History of the U.S. f	LEC	3	40	3	40	120	82%
1:30 PM	2:20 PM	MWF	HIST 222 01 Modern America: History of the U.S. f	LEC	3	18	3	18	54	37%
1:30 PM	2:45 PM	TR	PSYC 320 01 Advanced Experimental Psychology:	LEC	3	10	3	10	30	20%
2:30 PM	3:45 PM	MW	LIT 100 01 Literature: Human Diversity	LEC	3	34	3	34	102	69%
3:00 PM	5:30 PM	T	HIST 310 01 Environmental History	LEC	3	13	3	13	39	27%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Social Science • SS 224

Space Use Code: Classroom

Department: Instruction	Capacity: 42
Average Enrollment: 17	Assignable Square Feet: 870
Weekly Student Contact Hours: 364	Assignable Sq. Ft. Per Station: 21
	Hours in Use Student Station Occupancy: 37%
	Weekly Room Hours: 24



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
8:30 AM	9:20 AM	MWF	MATH 060 01 Intermediate Algebra	LEC	3	20	3	20	60	48%
9:30 AM	10:20 AM	MWF	MATH 350 01 Differential Equations	LEC	3	8	3	8	24	19%
10:30 AM	11:20 AM	MTWRF	MATH 151 01A Calculus II	LEC	5	5	5	5	25	12%
11:30 AM	12:20 PM	MWF	MATH 325 01 Combinatorics	LEC	3	21	3	21	63	50%
11:30 AM	1:30 PM	T	GOLD 1000 06 Embark on Extraordinary Adventures	LEC	0.6	20	0.6	20	12	48%
12:30 PM	1:20 PM	MWF	COMP 376 01 Advanced UNIX Programming	LEC	3	18	3	18	54	43%
1:30 PM	2:20 PM	MWF	MATH 060 02 Intermediate Algebra	LEC	3	22	3	22	66	52%
1:30 PM	2:45 PM	TR	COMP 164 03 Essentials of Computer Science	LEC	3	20	3	20	60	48%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 228**

Space Use Code: Classroom

Department: Instruction	Capacity: 50
Average Enrollment: 16	Assignable Square Feet: 870
Weekly Student Contact Hours: 370	Assignable Sq. Ft. Per Station: 17
	Hours in Use Student Station Occupancy: 34%
	Weekly Room Hours: 22

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█	█	█	█	█
10:00 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:00 PM	█		█	█	█
1:00 PM		█		█	
2:00 PM		█		█	
3:00 PM		█	█		
4:00 PM		█	█		
5:00 PM		█	█		
6:00 PM		█	█		
7:00 PM		█			

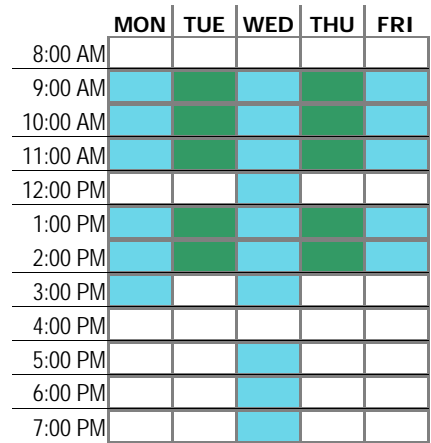
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	SWRK 330 02 Basic Interviewing Skills	LEC	3	9	3	9	27	18%
9:30 AM	10:20 AM	MWF	SWRK 234 02 Introduction to Social Work & Social	LEC	3	21	3	21	63	42%
10:30 AM	11:45 AM	TR	MGMT 350 01 Human Resources	LEC	3	20	3	20	60	40%
11:30 AM	12:20 PM	MWF	MATH 129 01 Mathematics for Elementary Educatio	LEC	3	24	3	24	72	48%
1:30 PM	2:20 PM	TR	PSYC 110 01 Psychology Seminar	LEC	2	33	2	33	66	66%
3:00 PM	4:45 PM	T	MATH 480 01 Mathematics Seminar	LEC	2	6	2	6	12	12%
3:30 PM	5:30 PM	W	PSYC 287 01 Mental Health Topics: Eating Disorde	LEC	1	10	1	10	10	20%
4:45 PM	5:25 PM	T	SWRK 484 01 Pre-Field Practicum	LEC	0.8	12	0.8	12	10	24%
5:00 PM	7:00 PM	W	PSYC 287 02 Mental Health Topics: Eating Disorde	LEC	1	8	1	8	8	16%
5:30 PM	8:15 PM	T	SWRK 344 01 Generalist Social Work Practice III	LEC	3	14	3	14	42	28%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 230**

Space Use Code: Classroom

Department: Instruction	Capacity: 69
Average Enrollment: 28	Assignable Square Feet: 1,195
Weekly Student Contact Hours: 699	Assignable Sq. Ft. Per Station: 17
	Hours in Use Student Station Occupancy: 41%
	Weekly Room Hours: 25



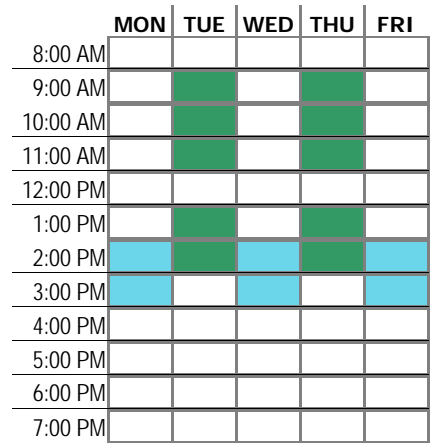
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:15 AM	TR	SOCI 270 01 Gender Issues	LEC	3	29	3	29	87	42%
9:30 AM	10:20 AM	MWF	BIOL 302 01 Botany	LEC	3	13	3	13	39	19%
10:30 AM	11:20 AM	MWF	PSYC 101 03 General Psychology I	LEC	3	38	3	38	114	55%
10:30 AM	11:45 AM	TR	GEOG 101 01 Introduction to Geography	LEC	3	38	3	38	114	55%
11:30 AM	12:20 PM	W	BIOL 104 01 Medical Terminology	LEC	1	30	1	30	30	43%
1:30 PM	2:20 PM	MWF	LEP 400 01 CIS:Sustainability of our Food Syste	LEC	3	23	3	23	69	33%
1:30 PM	2:45 PM	TR	GEOG 101 02 Introduction to Geography	LEC	3	37	3	37	111	54%
2:30 PM	3:45 PM	MW	COMM 200 01 Small Group Communication	LEC	3	12	3	12	36	17%
5:30 PM	8:20 PM	W	INDS 101 01 Introduction to Indigenous Nations an	LEC	3	33	3	33	99	48%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

**Social Science • SS 237**

Space Use Code: Classroom

Department: Instruction	Capacity: 35
Average Enrollment: 18	Assignable Square Feet: 588
Weekly Student Contact Hours: 216	Assignable Sq. Ft. Per Station: 17
Weekly Room Hours: 12	Hours in Use Student Station Occupancy: 51%



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	AGRO 325 01 Seed Science and Grain Grading	LAB	3	16	3	16	48	46%
10:30 AM	11:45 AM	TR	PSYC 201 01 Research Methods Behavior	LEC	3	17	3	17	51	49%
1:30 PM	2:45 PM	TR	HOSP 320 01 Hospitality Law	LEC	3	12	3	12	36	34%
2:30 PM	3:20 PM	MWF	LEP 100 10 FYS: Animal Intelligence	LEC	3	27	3	27	81	77%

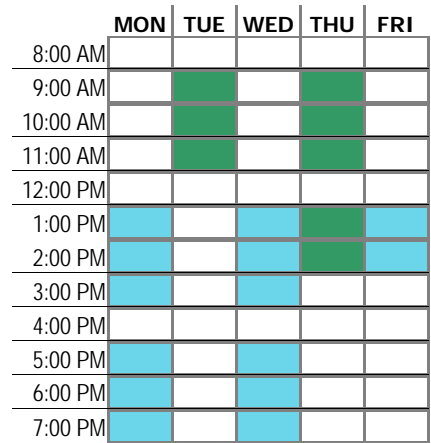
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



**Social Science • SS 239**

Space Use Code: Classroom

Department: Instruction	Capacity: 37
Average Enrollment: 16	Assignable Square Feet: 588
Weekly Student Contact Hours: 307	Assignable Sq. Ft. Per Station: 16
	Hours in Use Student Station Occupancy: 44%
	Weekly Room Hours: 19



Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
9:00 AM	10:15 AM	TR	PSYC 150 01 Applied Psychology	LEC	3	12	3	12	36	32%
10:30 AM	11:45 AM	TR	SWRK 280 01 Substance Abuse & Other Addictive	LEC	3	10	3	10	30	27%
1:30 PM	2:20 PM	MWF	PHIL 105 01 Ethical Issues in Business	LEC	3	21	3	21	63	57%
1:30 PM	2:30 PM	R	CHEM 353L 01A Organic Spectroscopic Analysis	LAB	1	10	1	10	10	27%
2:30 PM	3:45 PM	MW	HIST 487 01 Senior Seminar	LEC	3	14	3	14	42	38%
5:30 PM	8:00 PM	M	ED 101 04A Introduction to Education and Lab	LAB	3	27	3	27	81	73%
5:30 PM	8:15 PM	W	SWRK 402 01 Social Welfare Policy	LEC	3	15	3	15	45	41%

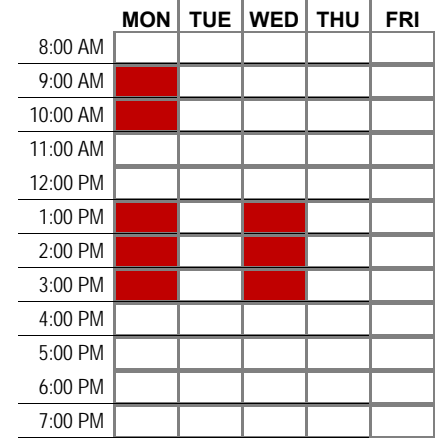
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



Bellows Academic Center • BA 101

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 20
Average Enrollment: 14	Assignable Square Feet: 1,825	Assignable Sq. Ft. Per Station: 91
Weekly Student Contact Hours: 109	Weekly Room Hours: 6.6	Hours in Use Student Station Occupancy: 82%



Graph represents most popular start times and each block does not represent the same amount of time.

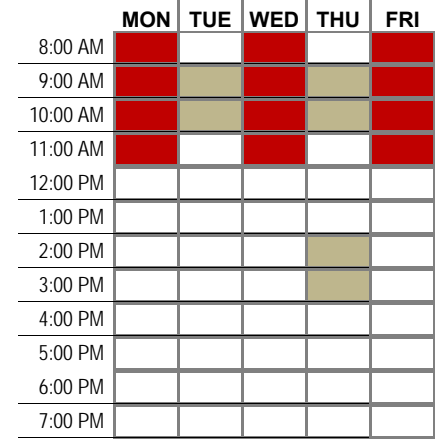
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	11:00 AM	M	GOLD 1000 02 Making Your Own Pottery	LEC	.60	11	.60	11	7	55%
1:30 PM	4:00 PM	MW	ART 230 01 Sculpture	LEC	6.00	15	6.00	17	102	85%
1:30 PM	4:00 PM	MW	ART 330 01 Sculpture	LEC	6.00	2				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Bellows Academic Center • BA 133

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 16
Average Enrollment: 16	Assignable Square Feet: 2,300	Assignable Sq. Ft. Per Station: 144
Weekly Student Contact Hours: 239	Weekly Room Hours: 15.6	Hours in Use Student Station Occupancy: 96%



Graph represents most popular start times and each block does not represent the same amount of time.

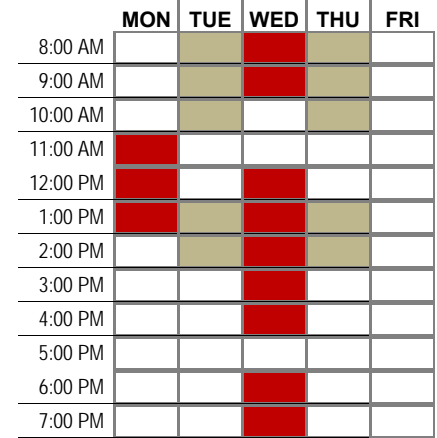
Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
8:00 AM	9:40 AM	MWF	ART 220 01	Drawing	LEC	6.00	14	6.00	16	96	100%
8:00 AM	9:40 AM	MWF	ART 320 01	Drawing	LEC	6.00	2				
9:00 AM	10:15 AM	TR	ART 102 01	Foundations of Art & Design 2D	LEC	3.00	21	3.00	21	63	131%
9:45 AM	11:25 AM	MWF	ART 221 01	Painting	LEC	6.00	6	6.00	12	72	75%
9:45 AM	11:25 AM	MWF	ART 321 01	Painting	LEC	6.00	6				
2:00 PM	4:00 PM	R	GOLD 1000 19	Acrylics	LEC	.60	14	.60	14	8	88%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Charter Hall • CH 102

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 24
Average Enrollment: 16	Assignable Square Feet: 1,020	Assignable Sq. Ft. Per Station: 43
Weekly Student Contact Hours: 181	Weekly Room Hours: 11.9	Hours in Use Student Station Occupancy: 63%



Graph represents most popular start times and each block does not represent the same amount of time.

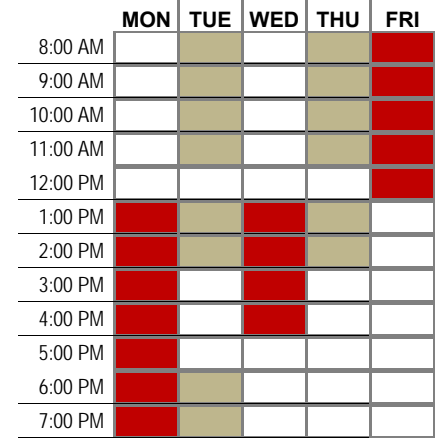
Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %	
7:30 AM	8:45 AM	TR	ED 361 01A	Mathematics Methods/Assessments	LAB	.20	19	.20	19	4	79%
7:30 AM	8:45 AM	TR	ED 361 01	Mathematics Methods/Assessments	LAB	.20	19	.20	19	4	79%
8:30 AM	9:20 AM	W	EXSC 475 01	Measurement & Evaluation	LEC	1.00	13	1.00	13	13	54%
9:00 AM	10:15 AM	TR	ENG 331 01	Business Communications	LEC	3.00	14	3.00	14	42	58%
11:30 AM	1:20 PM	M	GOLD 1000 03	Computer Tips and Tricks	LEC	.60	22	.60	22	13	92%
12:30 PM	1:20 PM	W	MATH 201 01	Statistical Software	LAB	1.00	12	1.00	12	12	50%
1:30 PM	2:45 PM	R	MGMT 422 01A	Prod & Oper Management	LEC	.10	17	.10	17	2	71%
1:30 PM	2:45 PM	R	MGMT 422 01B	Prod & Oper Management	LEC	.10	17	.10	17	2	71%
1:30 PM	2:45 PM	R	MGMT 422 01	Prod & Oper Management	LEC	.10	17	.10	17	2	71%
1:30 PM	2:45 PM	T	MGMT 422 01C	Prod & Oper Management	LEC	.10	17	.10	17	2	71%
2:30 PM	3:20 PM	W	JUAD 398 01A	Pro-Seminar	LEC	1.00	14	1.00	14	14	58%
3:30 PM	4:45 PM	W	ENG 360 02	Scientific & Technical Writing	LEC	1.50	14	1.50	14	21	58%
6:00 PM	9:00 PM	W	MBA 609 01	Management of Production and Oper	LEC	3.00	17	3.00	17	51	71%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Charter Hall • CH 126

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 30
Average Enrollment: 22	Assignable Square Feet: 1,102	Assignable Sq. Ft. Per Station: 37
Weekly Student Contact Hours: 462	Weekly Room Hours: 20.1	Hours in Use Student Station Occupancy: 77%



Graph represents most popular start times and each block does not represent the same amount of time.

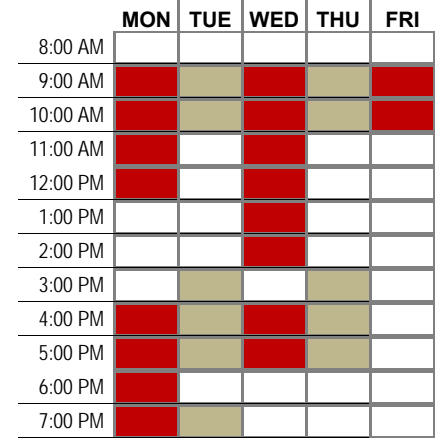
Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
8:30 AM	9:20 AM	F	MATH 200 02	Introduction to Statistics	LEC	1.00	30	1.00	30	30	100%
8:30 AM	10:20 AM	R	ED 102 03	Technology:Classroom Applications &	LEC	2.00	30	2.00	30	60	100%
8:30 AM	10:20 AM	T	ED 102 01	Technology:Classroom Applications &	LEC	2.00	28	2.00	28	56	93%
10:30 AM	11:20 AM	F	MATH 135 01	Precalculus	LEC	1.00	26	1.00	26	26	87%
10:30 AM	11:20 AM	R	MATH 150 01	Calculus I	LEC	1.00	30	1.00	30	30	100%
10:30 AM	11:20 AM	T	MATH 151 01	Calculus II	LEC	1.00	5	1.00	5	5	17%
11:30 AM	12:20 PM	F	MATH 200 01	Introduction to Statistics	LEC	1.00	29	1.00	29	29	97%
1:30 PM	2:45 PM	M	PSYC 200L 31	Statistics for the Behavioral Sciences	LAB	1.50	24	1.50	24	36	80%
1:30 PM	2:45 PM	TR	MGMT 422 01F	Prod & Oper Management	LEC	.20	17	.20	17	3	57%
1:30 PM	2:45 PM	TR	MGMT 422 01H	Prod & Oper Management	LEC	.60	17	.60	17	10	57%
1:30 PM	2:45 PM	TR	MGMT 422 01G	Prod & Oper Management	LEC	.40	17	.40	17	7	57%
1:30 PM	2:45 PM	TR	MGMT 422 01D	Prod & Oper Management	LEC	.80	17	.80	17	14	57%
1:30 PM	2:45 PM	TR	MGMT 422 01E	Prod & Oper Management	LEC	.40	17	.40	17	7	57%
1:30 PM	2:20 PM	W	MATH 150 02	Calculus I	LEC	1.00	24	1.00	24	24	80%
3:00 PM	4:15 PM	MW	MGMT 221 02	Computer Concepts and Applications	LEC	3.00	27	3.00	27	81	90%
5:00 PM	8:00 PM	M	ED 101 04	Introduction to Education and Lab	LAB	.20	27	.20	27	5	90%
6:00 PM	8:30 PM	T	COMP 486 01	Advanced Topics: Windows Mobile Pr	LEC	3.00	13	3.00	13	39	43%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Fine Arts • FA 132

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 81
Average Enrollment: 21	Assignable Square Feet: 1,364	Assignable Sq. Ft. Per Station: 17
Weekly Student Contact Hours: 443	Weekly Room Hours: 19.0	Hours in Use Student Station Occupancy: 29%



Graph represents most popular start times and each block does not represent the same amount of time.

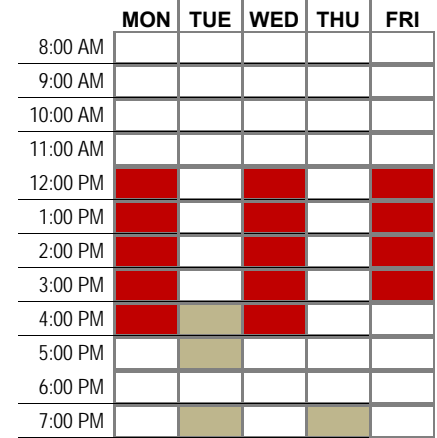
Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %	
9:00 AM	10:15 AM	TR	MUS 101 01	Survey of World Music	LEC	3.00	50	3.00	50	150	62%
9:30 AM	10:20 AM	MWF	LEP 400 02	CIS:Sex, Drugs and Rock & Roll	LEC	3.00	19	3.00	19	57	23%
11:30 AM	12:20 PM	MW	MUS 352 02	Vocal Ensemble	LEC	2.00	18	2.00	18	36	22%
1:30 PM	2:20 PM	W	MUS 327 01	Applied Improvisation	MUS	1.00	2	1.00	2	2	2%
3:00 PM	3:50 PM	TR	MUS 454 01	Vocal Pedagogy	LEC	2.00	6	2.00	6	12	7%
4:30 PM	5:30 PM	MTWR	MUS 355 01	Chorale	LEC	4.00	24	4.00	24	96	30%
6:30 PM	8:30 PM	M	MUS 110 01	Public Performance Studies	LEC	2.00	29	2.00	29	58	36%
7:00 PM	8:40 PM	T	MUS 352 01	Vocal Ensemble	LEC	2.00	16	2.00	16	32	20%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Fine Arts • FA 135

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 40
Average Enrollment: 18	Assignable Square Feet: 1,760	Assignable Sq. Ft. Per Station: 44
Weekly Student Contact Hours: 224	Weekly Room Hours: 14.3	Hours in Use Student Station Occupancy: 39%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
12:30 PM	1:20 PM	MWF	MUS 333 01 Jazz Band	LEC	3.00	18	3.00	18	54	45%
2:30 PM	3:20 PM	MWF	MUS 308 01 Instrumental Methods	LEC	3.00	7	3.00	7	21	18%
3:30 PM	4:20 PM	MW	MUS 332 01 Pep Band	LEC	2.00	25	2.00	25	50	63%
4:15 PM	5:15 PM	T	MUS 332 01A Pep Band	LEC	1.00	25	1.00	25	25	63%
7:00 PM	9:20 PM	R	MUS 339 01 Concert Band	LEC	2.30	27	2.30	27	62	68%
7:00 PM	9:30 PM	T	MUS 337 01 Southwest Minnesota Orchestra	LEC	3.00	4	3.00	4	12	10%

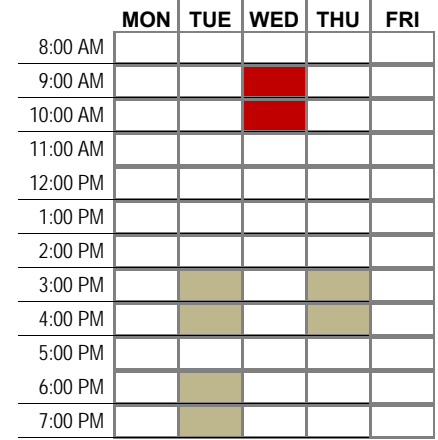
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



Fine Arts • FA 223

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 35
Average Enrollment: 20	Assignable Square Feet: 1,227	Assignable Sq. Ft. Per Station: 35
Weekly Student Contact Hours: 147	Weekly Room Hours: 6.6	Hours in Use Student Station Occupancy: 64%



Graph represents most popular start times and each block does not represent the same amount of time.

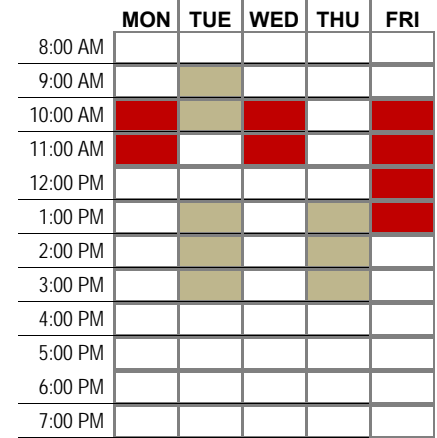
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	11:00 AM	W	GOLD 1000 10 The Art Nouveau Movement: A Brief	LEC	.60	15	.60	15	9	43%
3:00 PM	4:15 PM	TR	ART 150 01 Art History I	LEC	3.00	25	3.00	25	75	71%
6:00 PM	8:30 PM	T	ART 270 01 Art Education/Elementary	LEC	3.00	20	3.00	21	63	60%
6:00 PM	8:30 PM	T	ART 370 01 Art Education/Secondary	LEC	3.00	1				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Fine Arts • FA 226

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 24
Average Enrollment: 14	Assignable Square Feet: 1,269	Assignable Sq. Ft. Per Station: 53
Weekly Student Contact Hours: 193	Weekly Room Hours: 11.3	Hours in Use Student Station Occupancy: 71%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:00 AM	10:20 AM	T	ART 343 01A Digital Art Photography	LEC	1.30	12	1.30	12	16	50%
10:30 AM	11:20 AM	MWF	ART 240 01A Concepts of Graphic Design	LEC	3.00	20	3.00	20	60	83%
12:30 PM	1:20 PM	F	ART 461 01 Graphic Design Graduation Project	LEC	1.00	3	1.00	3	3	13%
1:30 PM	4:00 PM	TR	ART 348 01A Graphic Design Studio	LEC	6.00	19	6.00	19	114	79%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science & Technology • ST 108

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 24
Average Enrollment: 23	Assignable Square Feet: 1,626	Assignable Sq. Ft. Per Station: 68
Weekly Student Contact Hours: 180	Weekly Room Hours: 8.0	Hours in Use Student Station Occupancy: 94%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	9:50 AM	R	BIOL 200L 34 Introduction to Cellular Biology Lab	LAB	2.00	24	2.00	24	48	100%
10:00 AM	11:50 AM	R	BIOL 200L 31 Introduction to Cellular Biology Lab	LAB	2.00	23	2.00	23	46	96%
1:30 PM	3:20 PM	R	BIOL 200L 32 Introduction to Cellular Biology Lab	LAB	2.00	22	2.00	22	44	92%
3:30 PM	5:20 PM	R	BIOL 200L 33 Introduction to Cellular Biology Lab	LAB	2.00	21	2.00	21	42	88%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science & Technology • ST 154

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 24
Average Enrollment: 17	Assignable Square Feet: 1,620	Assignable Sq. Ft. Per Station: 68
Weekly Student Contact Hours: 100	Weekly Room Hours: 6.0	Hours in Use Student Station Occupancy: 69%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:00 AM	11:50 AM	R	BIOL 305L 31 Human Anatomy & Physiology I Lab	LAB	2.00	17	2.00	17	34	71%
11:30 AM	1:20 PM	F	BIOL 305L 32 Human Anatomy & Physiology I Lab	LAB	2.00	17	2.00	17	34	71%
3:30 PM	5:20 PM	R	BIOL 305L 33 Human Anatomy & Physiology I Lab	LAB	2.00	16	2.00	16	32	67%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science & Technology • ST 158

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 24
Average Enrollment: 23	Assignable Square Feet: 1,598	Assignable Sq. Ft. Per Station: 67
Weekly Student Contact Hours: 226	Weekly Room Hours: 9.9	Hours in Use Student Station Occupancy: 95%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:30 AM	10:25 AM	T	BIOL 100L 34	LAB	1.00	20	1.00	20	20	83%
8:30 AM	10:25 AM	T	BIOL 100L 32	LAB	1.00	25	1.00	25	25	104%
10:30 AM	11:50 AM	R	ENVS 180L 31	LAB	1.30	24	1.30	24	31	100%
1:30 PM	2:50 PM	R	ENVS 180L 32	LAB	1.30	23	1.30	23	30	96%
1:30 PM	3:20 PM	T	BIOL 100L 35	LAB	1.00	24	1.00	24	24	100%
1:30 PM	3:20 PM	T	BIOL 100L 33	LAB	1.00	23	1.00	23	23	96%
3:00 PM	4:20 PM	R	ENVS 180L 33	LAB	1.30	23	1.30	23	30	96%
3:30 PM	5:25 PM	T	BIOL 100L 36	LAB	1.00	19	1.00	19	19	79%
3:30 PM	5:25 PM	T	BIOL 100L 31	LAB	1.00	24	1.00	24	24	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science & Technology • ST 209

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 25
Average Enrollment: 15	Assignable Square Feet: 1,470	Assignable Sq. Ft. Per Station: 59
Weekly Student Contact Hours: 92	Weekly Room Hours: 6.0	Hours in Use Student Station Occupancy: 61%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	9:50 AM	T	CHEM 121L 31 Basic Chemistry Lab	LAB	2.00	16	2.00	16	32	64%
10:00 AM	11:50 AM	T	CHEM 121L 32 Basic Chemistry Lab	LAB	2.00	14	2.00	14	28	56%
1:30 PM	3:20 PM	T	CHEM 121L 33 Basic Chemistry Lab	LAB	2.00	16	2.00	16	32	64%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science & Technology • ST 214

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 18
Average Enrollment: 10	Assignable Square Feet: 1,470	Assignable Sq. Ft. Per Station: 82
Weekly Student Contact Hours: 38	Weekly Room Hours: 3.8	Hours in Use Student Station Occupancy: 56%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

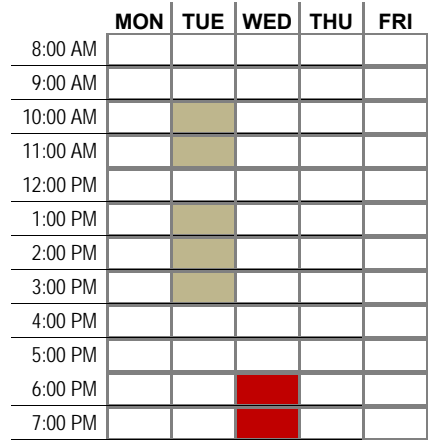
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
1:30 PM	5:20 PM	R	CHEM 353L 01 Organic Spectroscopic Analysis	LAB	3.80	10	3.80	10	38	56%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science & Technology • ST 256

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 24
Average Enrollment: 30	Assignable Square Feet: 1,470	Assignable Sq. Ft. Per Station: 61
Weekly Student Contact Hours: 182	Weekly Room Hours: 6.0	Hours in Use Student Station Occupancy: 126%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:00 AM	11:50 AM	T	CHEM 231L 31 General Chemistry I Lab	LEC	2.00	24	2.00	24	48	100%
1:30 PM	3:20 PM	T	CHEM 231L 33 General Chemistry I Lab	LAB	2.00	27	2.00	27	54	113%
6:30 PM	8:20 PM	W	CHEM 231L 34 General Chemistry I Lab	LAB	2.00	40	2.00	40	80	167%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



Science & Technology • ST 260

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 30
Average Enrollment: 17	Assignable Square Feet: 1,470	Assignable Sq. Ft. Per Station: 49
Weekly Student Contact Hours: 109	Weekly Room Hours: 6.6	Hours in Use Student Station Occupancy: 55%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

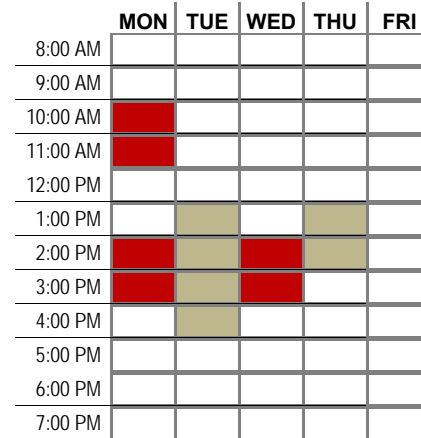
Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
8:30 AM	11:50 AM	T	CHEM 351L 31 Organic Chemistry I Lab	LAB	3.30	16	3.30	16	53	53%
1:30 PM	4:50 PM	T	CHEM 351L 32 Organic Chemistry I Lab	LAB	3.30	17	3.30	17	56	57%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science And Math • SM 127

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 30
Average Enrollment: 17	Assignable Square Feet: 705	Assignable Sq. Ft. Per Station: 24
Weekly Student Contact Hours: 164	Weekly Room Hours: 8.5	Hours in Use Student Station Occupancy: 64%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:30 AM	11:20 AM	M	ENVS 400 01 Environmental Data Analysis & Prese	LEC	1.00	5	1.00	5	5	17%
1:00 PM	2:30 PM	R	ENVS 101L 32 Physical Geology Lab	LAB	1.50	20	1.50	20	30	67%
1:30 PM	3:00 PM	T	ENVS 101L 33 Physical Geology Lab	LAB	1.50	15	1.50	15	23	50%
2:30 PM	3:45 PM	MW	LEP 100 01 FYS: Natural Hazards	LEC	3.00	26	3.00	26	78	87%
3:30 PM	5:00 PM	T	ENVS 101L 31 Physical Geology Lab	LAB	1.50	19	1.50	19	29	63%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science And Math • SM 129

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 24
Average Enrollment: 24	Assignable Square Feet: 1,131	Assignable Sq. Ft. Per Station: 47
Weekly Student Contact Hours: 96	Weekly Room Hours: 4.0	Hours in Use Student Station Occupancy: 100%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
1:30 PM	3:20 PM	TR	BIOL 303L 31 Microbiology Lab	LAB	4.00	24	4.00	24	96	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science And Math • SM 163

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 24
Average Enrollment: 19	Assignable Square Feet: 648	Assignable Sq. Ft. Per Station: 27
Weekly Student Contact Hours: 74	Weekly Room Hours: 4.0	Hours in Use Student Station Occupancy: 77%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
1:00 PM	2:50 PM	R	ENVS 301L 31 Basic Soil Science Lab	LAB	2.00	21	2.00	21	42	88%
2:30 PM	4:30 PM	T	AGRO 325 01A Seed Science and Grain Grading	LAB	2.00	16	2.00	16	32	67%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science And Math • SM 166

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 12
Average Enrollment: 11	Assignable Square Feet: 841	Assignable Sq. Ft. Per Station: 70
Weekly Student Contact Hours: 22	Weekly Room Hours: 2.0	Hours in Use Student Station Occupancy: 92%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
1:30 PM	3:20 PM	T	BIOL 302L 31 Botany Lab	LAB	2.00	11	2.00	11	22	92%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science And Math • SM 175

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 30
Average Enrollment: 14	Assignable Square Feet: 1,131	Assignable Sq. Ft. Per Station: 38
Weekly Student Contact Hours: 155	Weekly Room Hours: 11.3	Hours in Use Student Station Occupancy: 46%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

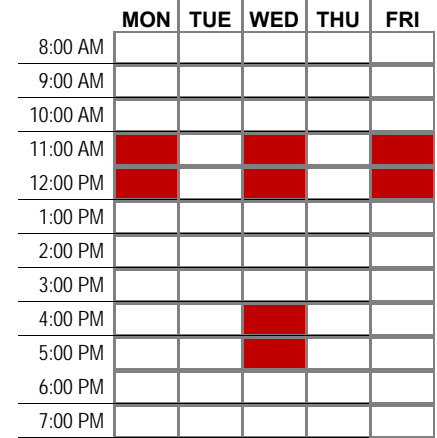
Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:30 AM	11:50 AM	R	BIOL 311L 31 Ecology Lab	LAB	2.30	17	2.30	17	39	57%
9:30 AM	11:20 AM	T	BIOL 201L 31 Introduction to Biodiversity & Evolutio	LAB	2.00	23	2.00	23	46	77%
1:30 PM	4:00 PM	R	BIOL 311L 32 Ecology Lab	LAB	3.00	10	3.00	10	30	33%
1:30 PM	3:20 PM	T	BIOL 201L 32 Introduction to Biodiversity & Evolutio	LAB	2.00	17	2.00	17	34	57%
3:30 PM	5:30 PM	T	ENVS 406L 31 Limnology Lab	LAB	2.00	3	2.00	3	6	10%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science And Math • SM 209

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 48
Average Enrollment: 28	Assignable Square Feet: 1,313	Assignable Sq. Ft. Per Station: 27
Weekly Student Contact Hours: 149	Weekly Room Hours: 4.0	Hours in Use Student Station Occupancy: 78%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
11:30 AM	12:20 PM	MWF	PHYS 141 01 College Physics I	LEC	3.00	39	3.00	47	141	98%
11:30 AM	12:20 PM	MWF	PHYS 181 01 University Physics I	LEC	3.00	8				
4:30 PM	5:20 PM	W	PHYS 181 01A University Physics I	LEC	1.00	8	1.00	8	8	17%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Science And Math • SM 265

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 30
Average Enrollment: 22	Assignable Square Feet: 1,092	Assignable Sq. Ft. Per Station: 36
Weekly Student Contact Hours: 86	Weekly Room Hours: 4.0	Hours in Use Student Station Occupancy: 72%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:00 AM	9:50 AM	R	PHYS 141L 31 College Physics I Lab	LAB	2.00	19	2.00	23	46	77%
8:00 AM	9:50 AM	R	PHYS 181L 31 University Physics I Lab	LAB	2.00	4				
10:00 AM	11:50 AM	R	PHYS 141L 32 College Physics I Lab	LAB	2.00	17	2.00	20	40	67%
10:00 AM	11:50 AM	R	PHYS 181L 32 University Physics I Lab	LAB	2.00	3				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



Science And Math • SM 276

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 18
Average Enrollment: 18	Assignable Square Feet: 1,500	Assignable Sq. Ft. Per Station: 83
Weekly Student Contact Hours: 55	Weekly Room Hours: 3.0	Hours in Use Student Station Occupancy: 102%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
10:00 AM	10:50 AM	R	CHEM 110L 31 Our Chemical World Lab	LAB	1.00	9	1.00	9	9	50%
11:00 AM	11:50 AM	R	CHEM 110L 32 Our Chemical World Lab	LAB	1.00	22	1.00	22	22	122%
1:30 PM	2:20 PM	R	CHEM 110L 33 Our Chemical World Lab	LAB	1.00	24	1.00	24	24	133%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Social Science • SS 145

Space Use Code: Teaching Lab

Department: Instruction		Capacity: 30
Average Enrollment: 24	Assignable Square Feet: 2,400	Assignable Sq. Ft. Per Station: 80
Weekly Student Contact Hours: 72	Weekly Room Hours: 3.0	Hours in Use Student Station Occupancy: 80%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			Student Station Occupancy %
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	
4:00 PM	4:50 PM	M	PE 171 01	LEC	1.00	16	1.00	16	16	53%
5:00 PM	5:50 PM	M	PE 160 01	LEC	1.00	33	1.00	33	33	110%
5:45 PM	6:35 PM	T	PE 135 01	LEC	1.00	23	1.00	23	23	77%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



# Utilization Study Findings

December 3, 2015

PAULIEN & ASSOCIATES, INC.

# Agenda

- Process
- What is Utilization?
- Classroom Use
- Classroom Utilization
- Teaching Laboratory Utilization
- Observations



# Process

- Data Integration

  - Fall 2015 Course File*

    - Includes credit bearing activity
    - Only on-campus courses (i.e., excludes CollegeNow)

  - Facilities Inventory*

    - Validation: classrooms and teaching laboratories reviewed with campus during first campus visit

- Site Visit

  - Meetings with President & Cabinet and scheduling people*

- Analysis

- Presentation of Outcomes

- Report



# Space Use Code Changes

- Handful of spaces changed to accurately reflect the current space inventory

	Original RUC	Original Room Type	Revised RUC	Revised Room Type
<b>Bellows Academic Center</b>				
BA 176	210	Teaching Lab	310	Office
BA 237	110	Classroom	310	Office
BA 202	110	Classroom	115	Classroom Service
<b>Fine Arts</b>				
FA 100	110	Classroom	615	Assembly Service
<b>Individual Learning Center</b>				
IL 110	210	Teaching Lab	220	Open Lab
<b>Social Science</b>				
SS 100	110	Classroom	020	Circulation
SS 102	110	Classroom	650	Lounge
SS 108	110	Classroom		combined with SS 106
<b>Science &amp; Technology</b>				
ST 256B	110	Classroom	010	Custodial



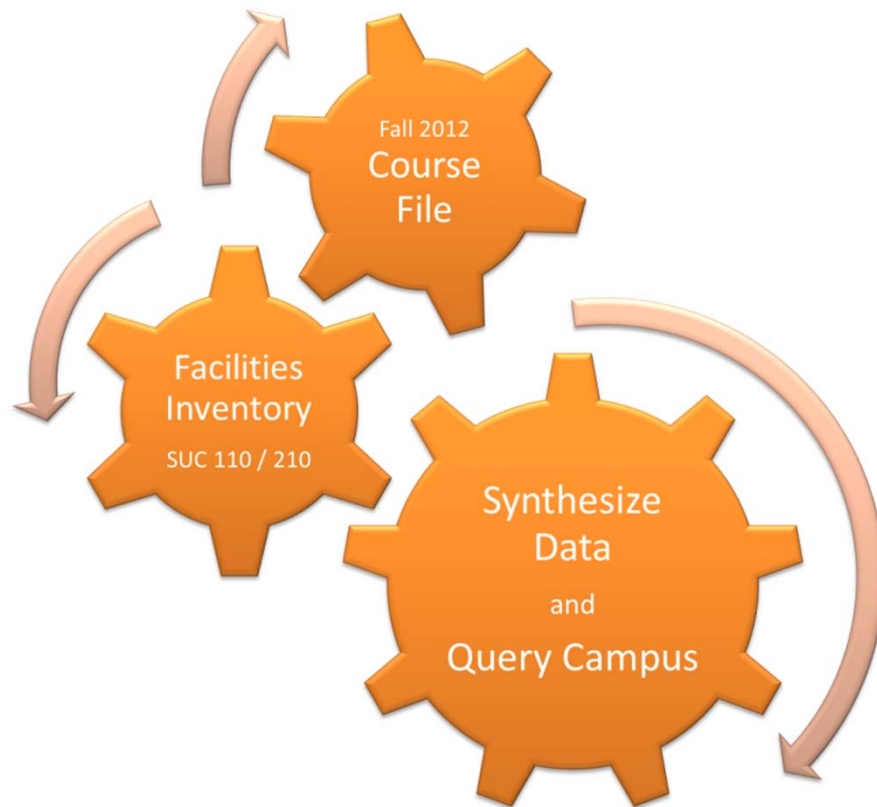
# Why is Utilization Important?



- Classrooms and laboratories comprise a visible portion of the total space on campus
- Utilization is a quantitative historic analysis that can debunk some of the myths about space use
- **Informs the space needs analysis in terms of guidelines**
- A utilization analysis provides a first look at how efficiently these space are being used
- **Utilization terms and methods of calculation are relatively standard across higher education**
- Many states and jurisdictions have guideline expectations that allow comparison or benchmarking



# How is Utilization Determined?



## Weekly Room Hours

hours the space is occupied for credit instruction

## Student Station Occupancy Percentage

how many seats are filled when room is used

## Weekly Seat Hours

weekly room hours x student station occupancy percentage

## Average ASF per Station

how many ASF per student in the space

## Average Section Size

how many students

## Classroom Mix

how many classrooms of what capacity are on campus





# Scheduled Classroom Use by Day & Hour

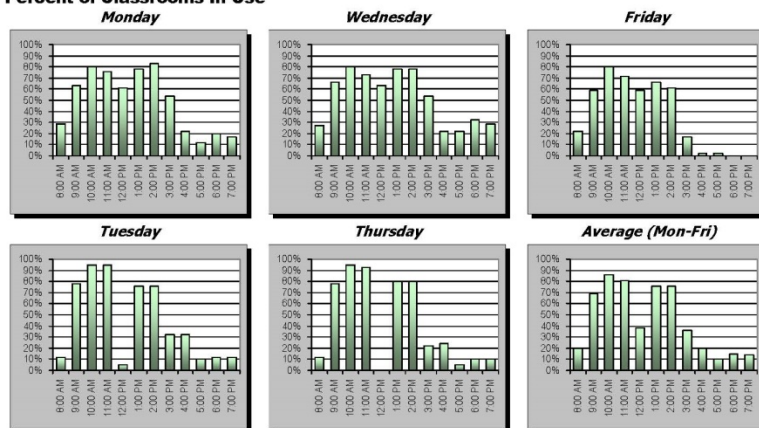
## Scheduled Classroom Use by Day and Time (Fall 2015)

(Darker colors indicate a large percentage of rooms are scheduled.)

Time of Day	Monday		Tuesday		Wednesday		Thursday		Friday		Average	
	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use
8:00 AM	12	29%	5	12%	11	27%	5	12%	9	22%	8	20%
9:00 AM	26	63%	32	78%	27	66%	32	78%	24	59%	28	69%
10:00 AM	33	80%	39	95%	33	80%	39	95%	33	80%	35	86%
11:00 AM	31	76%	39	95%	30	73%	38	93%	29	71%	33	81%
12:00 PM	25	61%	2	5%	26	63%	0	0%	24	59%	15	38%
1:00 PM	32	78%	31	76%	32	78%	33	80%	27	66%	31	76%
2:00 PM	34	83%	31	76%	32	78%	33	80%	25	61%	31	76%
3:00 PM	22	54%	13	32%	22	54%	9	22%	7	17%	15	36%
4:00 PM	9	22%	13	32%	9	22%	10	24%	1	2%	8	20%
5:00 PM	5	12%	4	10%	9	22%	2	5%	1	2%	4	10%
6:00 PM	8	20%	5	12%	13	32%	4	10%	0	0%	6	15%
7:00 PM	7	17%	5	12%	12	29%	4	10%	0	0%	6	14%

Total classrooms = 41

Percent of Classrooms In Use



- **Should not be confused with utilization**
- Use is the number of the total classrooms occupied at a particular time
- A quick way to inform the campus community regarding use and availability
- Provides a glimpse of room scheduling practices and faculty teaching preferences
- Can inform with regard to parking demand, peak use of facilities, and other master planning components
- Identifies the daily and weekly average use of classrooms over the semester (fall 2012)
- Includes only on-campus, for-credit instruction





# Utilization | What Do We Look At?

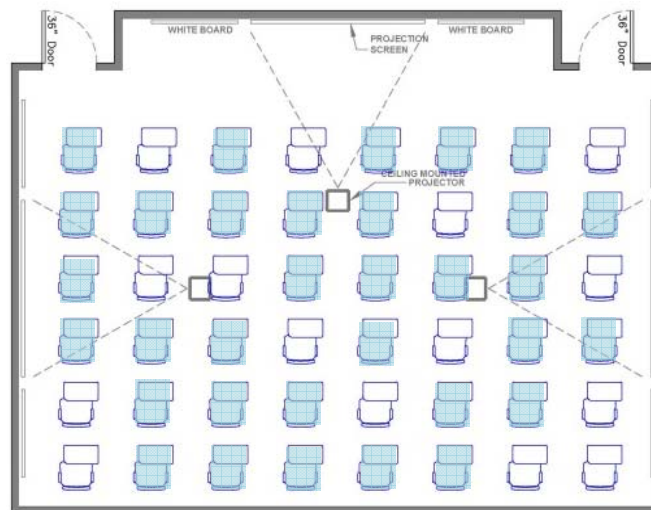
## ASF per Station

Space ASF divided by the number of student seats or stations



## Student Station Occupancy

The percentage of seats filled when a course is scheduled as compared to the actual number of seats in a room



## Weekly Room Hours

Number of hours per week a credit-bearing course is scheduled into a room

	MON	TUE	WED	THU	FRI	SAT
7:00 AM						
8:00 AM	█	█			█	
9:00 AM	█	█			█	█
10:00 AM	█	█		█	█	
11:00 AM	█	█		█	█	█
12:00 PM	█	█		█	█	
1:00 PM						
2:00 PM		█		█	█	
3:00 PM		█		█	█	
4:00 PM	█					
5:00 PM						
6:00 PM						
7:00 PM	█	█		█		
8:00 PM	█	█		█		
9:00 PM	█	█		█		
10:00 PM						





# Classroom Utilization

## Classroom Utilization Analysis by Building Summary

Building Name and Id	No. of Rooms	Average Room Size	Average ASF per Station	Average Section Size	Weekly Seat Hours	Average Weekly Room Hours	Hours in Use Student Station Occupancy %
Bellows Academic Center <i>BA</i>	9	904	19	24	9.3	20	59%
Charter Hall <i>CH</i>	8	1,220	18	34	8.3	22	51%
Fine Arts <i>FA</i>	2	805	26	16	8.0	13	57%
Individual Learning Center <i>IL</i>	3	967	23	24	11.1	20	57%
Physical Education <i>PE</i>	1	1,151	29	21	14.0	28	50%
Science & Technology <i>ST</i>	3	1,230	27	23	11.2	22	50%
Science And Math <i>SM</i>	1	1,313	29	24	11.2	20	55%
Social Science <i>SS</i>	14	820	18	22	10.2	20	49%
<i>Total No. of Rooms = 41</i>	<b>AVERAGE</b>	977	<b>20</b>	25	9.6	<b>21</b>	<b>53%</b>

MnSCU Utilization Expectations: 32

Comparable Institutions: 35 65%



# Classroom Utilization

## Classroom Utilization Analysis by Building

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
<b>Bellows Academic Center</b>									<b><i>No. of Rooms = 9</i></b>
BA 102	110	2,072	175	12	37	731	4	19.0	22%
BA 231	110	1,001	42	24	22	550	13	23.1	57%
BA 232	110	754	42	18	18	165	4	9.0	44%
BA 233	110	754	42	18	33	541	13	17.0	76%
BA 234	110	986	42	23	21	375	9	18.0	50%
BA 235	110	913	40	23	20	695	17	32.5	53%
BA 236	110	553	34	16	17	315	9	17.7	52%
BA 238	110	553	28	20	22	462	17	21.0	79%
BA 240	110	553	28	20	24	567	20	24.0	84%
	<i>Average</i>	<i>904</i>	<i>53</i>	<i>19</i>	<i>24</i>		<i>9</i>	<i>20</i>	<i>59%</i>
	<i>Total</i>	<i>8,139</i>	<i>473</i>			<i>4,401</i>		<i>181</i>	



# Classroom Utilization

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS**

## Scheduled Utilization

### Bellows Academic Center • BA 232

Space Use Code: Classroom

Department: Instruction

Average Enrollment: 18

Weekly Student Contact Hours: 165

Assignable Square Feet: 754

Weekly Room Hours: 9

Capacity: 42

Assignable Sq. Ft. Per Station: 18

Hours in Use Student Station Occupancy: 44%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM	█		█		
10:00 AM	█		█		
11:00 AM					
12:00 PM					
1:00 PM	█		█		█
2:00 PM	█		█		█
3:00 PM	█		█		
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %	
9:00 AM	10:15 AM	MW	LEP 100 09	FYS:Food: Just What are We Eating	LEC	3	27	3	27	81	64%
1:30 PM	2:20 PM	MWF	PE 301 01	Theory of Coaching	LEC	3	16	3	16	48	38%
2:30 PM	3:45 PM	MW	LIT 264 01	World Drama	LEC	3	12	3	12	36	29%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



# Classroom Utilization

## Classroom Utilization Analysis by Capacity Summary

Classroom Capacity Grouping	No. of Rooms	No. of Seats	Average Room Size	Average ASF per Station	Average Section Size	Weekly Seat Hours	Average Weekly Room Hours	Hours in Use Student Station Occupancy %	Average ASF per Station
21 - 25	1	25	452	18	11	5.3	11	48%	18
26 - 30	3	86	609	21	22	17.2	22	78%	21
31 - 35	5	174	709	20	20	9.4	16	60%	20
36 - 40	10	391	906	23	21	11.5	21	54%	23
41 - 45	7	294	851	20	23	10.7	19	57%	20
46 - 50	8	393	983	20	24	10.9	22	49%	20
51 - 60	2	114	964	17	27	14.0	29	47%	17
61 - 75	2	138	1,298	19	27	10.4	28	38%	19
101 - 150	1	150	1,955	13	51	6.1	18	34%	13
151 - 250	2	400	2,433	12	57	4.1	16	27%	12
<i>Total No. of Rooms = 41</i>	<b>AVERAGE</b>		<b>977</b>	<b>20</b>	<b>25</b>	<b>9.6</b>	<b>21</b>	<b>53%</b>	<b>20</b>

26 - 32

22 - 26

20 - 24

18 - 22



# Teaching Lab Utilization

## Teaching Laboratory Utilization Analysis by Building Summary

Building Name and Id		No. of Rooms	Average Room Size	Average ASF per Station	Average Section Size	Weekly Seat Hours	Average Weekly Room Hours	Hours in Use Student Station Occupancy %
Bellows Academic Center	<i>BA</i>	3	1,749	109	10	7.3	7	92%
Charter Hall	<i>CH</i>	2	1,061	40	19	11.9	16	72%
Fine Arts	<i>FA</i>	4	1,405	37	18	5.6	13	46%
Science & Technology	<i>ST</i>	7	1,532	65	19	5.5	7	82%
Science And Math	<i>SM</i>	8	1,045	44	19	3.7	5	70%
Social Science	<i>SS</i>	1	2,400	80	24	2.4	3	80%
<i>Total No. of Rooms = 25</i>	<b>AVERAGE</b>		1,379	58	18	5.4	<b>8</b>	<b>69%</b>

MnSCU Utilization Expectations: N/A

Comparable Institutions: 24 80%





# Teaching Lab Utilization

## Teaching Laboratory Utilization Analysis by Building

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %	
<b>Bellows Academic Center</b> <span style="float: right;"><i>No. of Rooms = 3</i></span>										
BA 101	Sculpture	210	1,825	20	91	14	109	5.4	6.6	82%
BA 133	Draw/Paint	210	2,300	16	144	16	239	15.0	15.6	96%
BA 135	Printmaking	210	1,121	12	93	0	0	0.0	0.0	0%
<i>Average</i>		<i>1,749</i>	<i>16</i>	<i>109</i>	<i>10</i>		<i>7.3</i>	<i>7</i>	<i>92%</i>	
<i>Total</i>		<i>5,246</i>	<i>48</i>			<i>348</i>		<i>22</i>		
<b>Charter Hall</b> <span style="float: right;"><i>No. of Rooms = 2</i></span>										
CH 102	Computers	210	1,020	24	43	16	181	7.5	11.9	63%
CH 126		210	1,102	30	37	22	462	15.4	20.1	77%
<i>Average</i>		<i>1,061</i>	<i>27</i>	<i>40</i>	<i>19</i>		<i>11.9</i>	<i>16</i>	<i>72%</i>	
<i>Total</i>		<i>2,122</i>	<i>54</i>			<i>643</i>		<i>32</i>		
<b>Fine Arts</b> <span style="float: right;"><i>No. of Rooms = 4</i></span>										
FA 132	Choir	210	1,364	81	17	21	443	5.5	19.0	29%
FA 135	Band	210	1,760	40	44	18	224	5.6	14.3	39%
FA 223	Art	210	1,227	35	35	20	147	4.2	6.6	64%
FA 226	Graphic Arts	210	1,269	24	53	14	193	8.0	11.3	71%
<i>Average</i>		<i>1,405</i>	<i>45</i>	<i>37</i>	<i>18</i>		<i>5.6</i>	<i>13</i>	<i>46%</i>	
<i>Total</i>		<i>5,620</i>	<i>180</i>			<i>1,007</i>		<i>51</i>		
<b>Science &amp; Technology</b> <span style="float: right;"><i>No. of Rooms = 7</i></span>										
ST 108	Biology	210	1,626	24	68	23	180	7.5	8.0	94%
ST 154	Anatomy	210	1,620	24	68	17	100	4.2	6.0	69%
ST 158	Bio/Env Sci	210	1,598	24	67	23	226	9.4	9.9	95%
ST 209	Gen Chem	210	1,470	25	59	15	92	3.7	6.0	61%
ST 214	Phys Chem	210	1,470	18	82	10	38	2.1	3.8	56%
ST 256	Gen Chem	210	1,470	24	61	30	182	7.6	6.0	126%
ST 260	Organic Chem	210	1,470	30	49	17	109	3.6	6.6	55%
<i>Average</i>		<i>1,532</i>	<i>24</i>	<i>65</i>	<i>19</i>		<i>5.5</i>	<i>7</i>	<i>82%</i>	
<i>Total</i>		<i>10,724</i>	<i>169</i>			<i>927</i>		<i>46</i>		
<b>Science And Math</b> <span style="float: right;"><i>No. of Rooms = 8</i></span>										
SM 127	Geology	210	705	30	24	17	164	5.5	8.5	64%
SM 129	MicroBio	210	1,131	24	47	24	96	4.0	4.0	100%
SM 163	Botany	210	648	24	27	19	74	3.1	4.0	77%
SM 166	Agronomy	210	841	12	70	11	22	1.8	2.0	92%
SM 175	Eco/Zoolog	210	1,131	30	38	14	155	5.2	11.3	46%
SM 209	Physics	210	1,313	48	27	28	149	3.1	4.0	78%
SM 265	Physics	210	1,092	30	36	22	86	2.9	4.0	72%
SM 276	Gen Chem	210	1,500	18	83	18	55	3.1	3.0	102%
<i>Average</i>		<i>1,045</i>	<i>27</i>	<i>44</i>	<i>19</i>		<i>3.7</i>	<i>5</i>	<i>70%</i>	
<i>Total</i>		<i>8,361</i>	<i>216</i>			<i>801</i>		<i>41</i>		

## Teaching Laboratory Utilization Analysis by Building

Room Id	Space Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Seat Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %	
<b>Social Science</b> <span style="float: right;"><i>No. of Rooms = 1</i></span>										
SS 145	Dance Studio	210	2,400	30	80	24	72	2.4	3.0	80%
<i>Average</i>		<i>2,400</i>	<i>30</i>	<i>80</i>	<i>24</i>		<i>2.4</i>	<i>3</i>	<i>80%</i>	
<i>Total</i>		<i>2,400</i>	<i>30</i>			<i>72</i>		<i>3</i>		
<b>AVERAGE TOTAL</b>										
<b>NO. OF ROOMS</b>		<b>25</b>	<b>697</b>	<b>58</b>	<b>18</b>	<b>3,798</b>	<b>5.4</b>	<b>8</b>	<b>196</b>	<b>69%</b>



# Observations

- Classroom Utilization

*MnSCU Classroom Utilization = 32 WRH 65% SSO*

*SMSU = 21 WRH 53% SSO*

*PASSHE = 37.5 WRH 67% SSO*

*SCHEV = 40 WRH 60% SSO*

*WI System = 35 WRH 67% SSO*

- Capacity for additional 150 lecture courses or 250 students

*Current utilization of 21 WRH versus 32 WRH guideline (11 WRH)*

*11 WRH x 41 classrooms = 451 WRH*

*Assumes 3 WRH average per classroom*

*Average section size of 25 students x 150 lecture courses (divided by 15 credits)*

- 14 fewer classrooms

*11 WRH X 41 classrooms = 451 WRH*

*451 WRH ÷ 32 WRH = 14 classrooms*



# Observations

- Shift scheduling

*Can courses be scheduled differently? Tuesdays and Thursdays at 10AM and 11AM 39 of 41 rooms in use, but many time slots when fewer in use*

**Scheduled Classroom Use by Day and Time** (Fall 2015)  
*(Darker colors indicate a large percentage of rooms are scheduled.)*

Time of Day	Monday		Tuesday		Wednesday		Thursday		Friday		Average	
	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use	Rooms in Use	% In Use
8:00 AM	12	29%	5	12%	11	27%	5	12%	9	22%	8	20%
9:00 AM	26	63%	32	78%	27	66%	32	78%	24	59%	28	69%
10:00 AM	33	80%	39	95%	33	80%	39	95%	33	80%	35	86%
11:00 AM	31	76%	39	95%	30	73%	38	93%	29	71%	33	81%
12:00 PM	25	61%	2	5%	26	63%	0	0%	24	59%	15	38%
1:00 PM	32	78%	31	76%	32	78%	33	80%	27	66%	31	76%
2:00 PM	34	83%	31	76%	32	78%	33	80%	25	61%	31	76%
3:00 PM	22	54%	13	32%	22	54%	9	22%	7	17%	15	36%
4:00 PM	9	22%	13	32%	9	22%	10	24%	1	2%	8	20%
5:00 PM	5	12%	4	10%	9	22%	2	5%	1	2%	4	10%
6:00 PM	8	20%	5	12%	13	32%	4	10%	0	0%	6	15%
7:00 PM	7	17%	5	12%	12	29%	4	10%	0	0%	6	14%

Total classrooms = 41



# Observations

- Optimize current classrooms

*Are there classrooms that chairs should be taken out of? (better SSO% and better classroom environment). Bellows Academic Center 236 currently has 34 stations which is 16 ASF per station (tight!).*

**SOUTHWEST MINNESOTA STATE UNIVERSITY • MAIN CAMPUS** **Scheduled Utilization**

**Bellows Academic Center • BA 236**

Space Use Code: Classroom

Department: Instruction	Capacity: 34
Average Enrollment: 17	Assignable Square Feet: 553
Weekly Student Contact Hours: 315	Assignable Sq. Ft. Per Station: 16
	Hours in Use Student Station Occupancy: 52%

	MON	TUE	WED	THU	FRI
8:00 AM					
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					
7:00 PM					

Start Time	End Time	Days	Course	COURSE		SECTION			Student Station Occupancy %		
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment		WSCH	
9:00 AM	10:15 AM	TR	MATH 115 01	Finite Mathematics	LEC	3	23	3	23	69	68%
10:30 AM	11:20 AM	MWF	ENG 151 06	Academic Writing	LEC	3	26	3	26	78	76%
10:30 AM	11:45 AM	TR	LEP 400 06	CIS: The Problem of Obedience to Au	LEC	3	25	3	25	75	74%
1:30 PM	2:45 PM	TR	PHIL 340 01	Logic	LEC	3	9	3	9	27	26%
2:30 PM	3:20 PM	M	AGED 201 01	Communication & Leadership Skills f	LEC	1	3	1	3	3	9%
3:00 PM	4:15 PM	T	LEP 100 06	FYS: Joy, Sorrow, Death, & Triumph:	LEC	1.5	26	1.5	26	39	76%
3:30 PM	4:45 PM	MW	PHIL 331 01	History of Philosophy: Social & Politic	LEC	3	7	3	7	21	21%
6:00 PM	9:00 PM	W	PE 301L 01	Theory of Coaching Lab	LAB	0.2	16	0.2	16	3	47%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours



# Observations

- Evaluate classrooms

*AFTER considering*

*...scheduling shift options*

*...right-sizing classrooms (take out chairs)*

*...align courses to the number of seats*

*...all the while being considerate of faculty preferences and geography*

*THEN consider which classrooms can be converted to meet the needs of the Campus Master Plan (collaborative areas, innovation space, offices, etc.).*



# Observations

- Teaching Laboratory Utilization

*No MnSCU published guidelines*

*SMSU = 8 WRH 69% SSO*

*Typically 20 – 24 WRH and 80% for comparable institutions*

*Undergraduate institutions have higher teaching lab utilization –  
not usual to see 30+ WRH*



# Observations

- Consider whether renovations can allow spaces to be used for various courses – some campuses have created lower division Biology/Chemistry labs

Science & Technology										No. of Rooms = 7
ST 108	Biology	210	1,626	24	68	23	180	7.5	8.0	94%
ST 154	Anatomy	210	1,620	24	68	17	100	4.2	6.0	69%
ST 158	Bio/Env Sci	210	1,598	24	67	23	226	9.4	9.9	95%
ST 209	Gen Chem	210	1,470	25	59	15	92	3.7	6.0	61%
ST 214	Phys Chem	210	1,470	18	82	10	38	2.1	3.8	56%
ST 256	Gen Chem	210	1,470	24	61	30	182	7.6	6.0	126%
ST 260	Organic Chem	210	1,470	30	49	17	109	3.6	6.6	55%
Average			1,532	24	65	19		5.5	7	82%
Total			10,724	169			927		46	

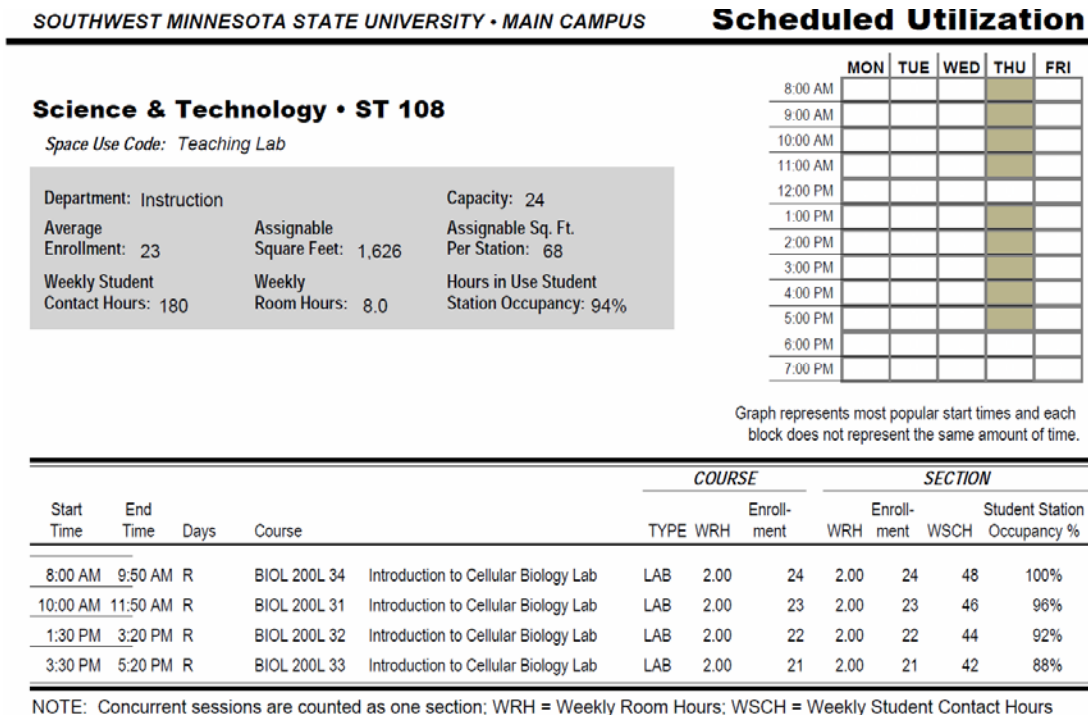
Science And Math										No. of Rooms = 8
SM 127	Geology	210	705	30	24	17	164	5.5	8.5	64%
SM 129	MicroBio	210	1,131	24	47	24	96	4.0	4.0	100%
SM 163	Botany	210	648	24	27	19	74	3.1	4.0	77%
SM 166	Agronomy	210	841	12	70	11	22	1.8	2.0	92%
SM 175	Eco/Zoology	210	1,131	30	38	14	155	5.2	11.3	46%
SM 209	Physics	210	1,313	48	27	28	149	3.1	4.0	78%
SM 265	Physics	210	1,092	30	36	22	86	2.9	4.0	72%
SM 276	Gen Chem	210	1,500	18	83	18	55	3.1	3.0	102%
Average			1,045	27	44	19		3.7	5	70%
Total			8,361	216			801		41	





# Observations

- Lower utilization not unusual in specialized teaching labs – a Biology Lab space is needed whether 2 or 24 students enroll





Reporting Period: 9/28/2015 thru 10/2/2015

## CFP #1 - Owned Buildings/Academic/Credit Production/All Space Types

Room Type	Rooms	Bookings	Hours Used	Hours Available	% Utilization	Util. Category	Util. Cost	Hours Vacant	Vacancy Cost
<b>Bellows Academic</b>									
Academic Classroom - 110	9	148	153.72	288.00	53.37	Low	\$0.00	134.28	\$0.00
Athletic or Physical Education - 520	1	1	0.83	32.00	2.60	Low	\$0.00	31.17	\$0.00
Conference Room	3	0	0.00	96.00	0.00	Unused	\$0.00	96.00	\$0.00
Lab	3	12	21.50	96.00	22.40	Low	\$0.00	74.50	\$0.00
Open Laboratory - 220	3	1	0.83	96.00	0.87	Low	\$0.00	95.17	\$0.00
Study Room - 410	3	11	13.65	96.00	14.22	Low	\$0.00	82.35	\$0.00
Total	22	173	190.53	704.00	27.06		\$0.00	513.47	\$0.00
<b>Charter Hall</b>									
Academic Classroom - 110	8	143	153.10	256.00	59.80	Low	\$0.00	102.90	\$0.00
Conference Room	3	7	8.75	96.00	9.11	Low	\$0.00	87.25	\$0.00
Lab	2	22	28.50	64.00	44.53	Low	\$0.00	35.50	\$0.00
Research/non-class Laboratory - 250	1	0	0.00	32.00	0.00	Unused	\$0.00	32.00	\$0.00
Study Room - 410	2	8	10.50	64.00	16.41	Low	\$0.00	53.50	\$0.00
Total	16	180	200.85	512.00	39.23		\$0.00	311.15	\$0.00
<b>Conference Center</b>									
Conference Room	2	0	0.00	64.00	0.00	Unused	\$0.00	64.00	\$0.00
Total	2	0	0.00	64.00	0.00		\$0.00	64.00	\$0.00
<b>Fine Arts</b>									
Academic Classroom - 110	2	23	23.67	64.00	36.98	Low	\$0.00	40.33	\$0.00
Assembly - 610	1	6	5.83	32.00	18.23	Low	\$0.00	26.17	\$0.00
Lab	4	43	74.63	128.00	58.31	Low	\$0.00	60.83	\$0.00
Open Laboratory - 220	1	4	5.00	32.00	15.63	Low	\$0.00	27.00	\$0.00
Total	8	76	109.13	256.00	42.63		\$0.00	154.33	\$0.00
<b>Founders Hall</b>									
Conference Room	1	0	0.00	32.00	0.00	Unused	\$0.00	32.00	\$0.00

Reporting Period: 9/28/2015 thru 10/2/2015

## CFP #1 - Owned Buildings/Academic/Credit Production/All Space Types

Room Type	Rooms	Bookings	Hours Used	Hours Available	% Utilization	Util. Category	Util. Cost	Hours Vacant	Vacancy Cost
Total	1	0	0.00	32.00	0.00		\$0.00	32.00	\$0.00
<b>Individualized Learning</b>									
Academic Classroom - 110	3	38	56.83	96.00	59.20	Low	\$0.00	39.17	\$0.00
Conference Room	3	1	2.42	96.00	2.52	Low	\$0.00	93.58	\$0.00
Lab	1	1	2.00	32.00	6.25	Low	\$0.00	30.00	\$0.00
Open Laboratory - 220	1	1	2.00	32.00	6.25	Low	\$0.00	30.00	\$0.00
Study Room - 410	1	2	1.67	32.00	5.21	Low	\$0.00	30.33	\$0.00
Total	9	43	64.92	288.00	22.54		\$0.00	223.08	\$0.00
<b>Other</b>									
Conference Room	1	0	0.00	32.00	0.00	Unused	\$0.00	32.00	\$0.00
Total	1	0	0.00	32.00	0.00		\$0.00	32.00	\$0.00
<b>Physical Education</b>									
Academic Classroom - 110	1	22	23.83	32.00	74.48	Low	\$0.00	8.17	\$0.00
Conference Room	1	1	2.00	32.00	6.25	Low	\$0.00	30.00	\$0.00
Open Laboratory - 220	2	6	47.00	64.00	73.44	Low	\$0.00	32.00	\$0.00
Total	4	29	72.83	128.00	56.90		\$0.00	70.17	\$0.00
<b>Science and Math</b>									
Academic Classroom - 110	2	16	17.08	64.00	26.69	Low	\$0.00	46.92	\$0.00
Conference Room	1	2	1.67	32.00	5.21	Low	\$0.00	30.33	\$0.00
Exhibition - 620	2	0	0.00	64.00	0.00	Unused	\$0.00	64.00	\$0.00
Lab	7	46	221.55	224.00	98.91	Normal	\$0.00	107.83	\$0.00
Open Laboratory - 220	5	18	52.25	160.00	32.66	Low	\$0.00	107.75	\$0.00
Total	17	82	292.55	544.00	53.78		\$0.00	356.83	\$0.00
<b>Science and Technology</b>									
Academic Classroom - 110	3	56	83.60	96.00	87.08	Normal	\$0.00	12.40	\$0.00
Conference Room	3	12	74.17	96.00	77.26	Low	\$0.00	55.50	\$0.00

Reporting Period: 9/28/2015 thru 10/2/2015

## CFP #1 - Owned Buildings/Academic/Credit Production/All Space Types

Room Type	Rooms	Bookings	Hours Used	Hours Available	% Utilization	Util. Category	Util. Cost	Hours Vacant	Vacancy Cost
Lab	5	27	68.67	160.00	42.92	Low	\$0.00	92.17	\$0.00
Open Laboratory - 220	2	3	10.50	64.00	16.41	Low	\$0.00	53.50	\$0.00
Total	13	98	236.93	416.00	56.96		\$0.00	213.57	\$0.00
<b>Social Science</b>									
Academic Classroom - 110	14	220	239.67	448.00	53.50	Low	\$0.00	208.33	\$0.00
Conference Room	4	12	24.00	128.00	18.75	Low	\$0.00	104.00	\$0.00
Lab	1	3	2.50	32.00	7.81	Low	\$0.00	29.50	\$0.00
Open Laboratory - 220	1	0	0.00	32.00	0.00	Unused	\$0.00	32.00	\$0.00
Total	20	235	266.17	640.00	41.59		\$0.00	373.83	\$0.00
<b>Student Center</b>									
Conference Room	3	0	0.00	96.00	0.00	Unused	\$0.00	96.00	\$0.00
Total	3	0	0.00	96.00	0.00		\$0.00	96.00	\$0.00
Grand Total	116	916	1,433.92	3,712.00	38.63		\$0.00	2,440.43	\$0.00

Report	Format	Start Date	End Date	Start Time	End Time
Room Utilization	Summary By Building, By Room Type	9/28/2015	10/2/2015		

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### Buildings

Antipodes  
 Aquarius  
 Armstrong  
 Athletic Fields  
 Bellows Academic  
 Buckingham  
 Camaraderie  
 Charisma  
 Charter Hall  
 Chez Nous  
 Clapper  
 Commons  
 Conference Center  
 Courtyards  
 El Dorado  
 Fine Arts  
 Foundation Residential Apartment  
 Founders Hall  
 Homestead  
 Individualized Learning  
 Kamasutra  
 Lakota  
 Lhasa  
 Lincoln Center  
 Manchester  
 Methedras  
 Naoutha  
 Ocean Boulevard  
 Other  
 Physical Education  
 Porter  
 Recreational Athletic Facility  
 Regional Event Center  
 Science and Math  
 Science and Technology  
 Selene  
 Shenandoah  
 Sirius  
 Social Science  
 Student Center  
 Sybaris  
 Titan  
 Track and Field Complex

Report	Format	Start Date	End Date	Start Time	End Time
Room Utilization	Summary By Building, By Room Type	9/28/2015	10/2/2015		

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**Statuses**

Confirmed

Confirmed - Academic Classes

Confirmed - Private

Confirmed - Private Function

Confirmed with Alcohol

Confirmed-Co Sponsored

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**Room Types**

Academic Classroom - 110

Assembly - 610

Athletic or Physical Education - 520

Central Computer or Telecommunications - 710

Central Storage - 730

Clinic - 540

Conference Room

Demonstration - 550

Exhibition - 620

Food Facility - 630

Green House - 580

Hazardous Material Storage - 760

Lab

Lounge - 650

Merchandising - 660

Office - 310

Open Laboratory - 220

Research/non-class Laboratory - 250

Shop - 720

Sleep/Study without Toilet or Bath - 910

Stack - 420

Study Room - 410

Vehicle Storage - 740

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**Event Types**

Course, Credit

Course, Hybrid Credit

Final Exam

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**Group Types**

Academic



Reporting Period: 9/28/2015 thru 10/2/2015

## CFP #2B - Owned Buildings/Academic/Credit Production/Class Lab Detail

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category	Util. Cost	Hours Vacant	Vacancy Cost
<b>Bellows Academic</b>								
Bellows Academic 101 class lab - art	3	7.00	32.00	21.88	Low	\$0.00	25.00	\$0.00
Bellows Academic 133 class lab - drawing/painting	9	14.50	32.00	45.31	Low	\$0.00	17.50	\$0.00
Bellows Academic 135 class lab -printmaking/art ed	0	0.00	32.00	0.00	Unused	\$0.00	32.00	\$0.00
<b>Total</b>	<b>12</b>	<b>21.50</b>	<b>96.00</b>	<b>22.40</b>		<b>\$0.00</b>	<b>74.50</b>	<b>\$0.00</b>
<b>Charter Hall</b>								
Charter Hall 102 IBM PC class lab	8	11.08	32.00	34.64	Low	\$0.00	20.92	\$0.00
Charter Hall 126 class lab - computer	14	17.42	32.00	54.43	Low	\$0.00	14.58	\$0.00
<b>Total</b>	<b>22</b>	<b>28.50</b>	<b>64.00</b>	<b>44.53</b>		<b>\$0.00</b>	<b>35.50</b>	<b>\$0.00</b>
<b>Fine Arts</b>								
Fine Arts 132 Choir room	20	39.47	32.00	123.33	High	\$0.00	0.00	\$0.00
Fine Arts 135 band room	12	18.50	32.00	57.81	Low	\$0.00	13.50	\$0.00
Fine Arts 223 class lab - art	4	7.00	32.00	21.88	Low	\$0.00	25.00	\$0.00
Fine Arts 226 class lab - graphic arts	7	9.67	32.00	30.21	Low	\$0.00	22.33	\$0.00
<b>Total</b>	<b>43</b>	<b>74.63</b>	<b>128.00</b>	<b>58.31</b>		<b>\$0.00</b>	<b>60.83</b>	<b>\$0.00</b>
<b>Individualized Learning</b>								
Individual Learning 110 class lab-foods/skills lab	1	2.00	32.00	6.25	Low	\$0.00	30.00	\$0.00
<b>Total</b>	<b>1</b>	<b>2.00</b>	<b>32.00</b>	<b>6.25</b>		<b>\$0.00</b>	<b>30.00</b>	<b>\$0.00</b>
<b>Science and Math</b>								
Science and Math 127 geology lab	16	72.38	32.00	226.20	High	\$0.00	0.00	\$0.00
Science and Math 129 microbio / gen lab	9	64.33	32.00	201.04	High	\$0.00	0.00	\$0.00
Science and Math 163 env sci / botany lab	2	3.83	32.00	11.98	Low	\$0.00	28.17	\$0.00
Science and Math 166 env sci / agronomy	7	64.67	32.00	202.08	High	\$0.00	0.00	\$0.00
Science and Math 175 class lab - ecology / zoology	5	10.50	32.00	32.81	Low	\$0.00	21.50	\$0.00
Science and Math 209 general physics lab	4	3.33	32.00	10.42	Low	\$0.00	28.67	\$0.00

Reporting Period: 9/28/2015 thru 10/2/2015

## CFP #2B - Owned Buildings/Academic/Credit Production/Class Lab Detail

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category	Util. Cost	Hours Vacant	Vacancy Cost
Science and Math 276 general chem lab	3	2.50	32.00	7.81	Low	\$0.00	29.50	\$0.00
Total	46	221.55	224.00	98.91		\$0.00	107.83	\$0.00
<b>Science and Technology</b>								
Science & Technology 108 bio / cell class lab	8	32.83	32.00	102.60	High	\$0.00	0.00	\$0.00
Science & Technology 154 anatomy/physiology lab	3	5.50	32.00	17.19	Low	\$0.00	26.50	\$0.00
Science & Technology 158 bio/env sci class lab	10	19.33	32.00	60.42	Low	\$0.00	12.67	\$0.00
Science & Technology 209 gen chem - class lab	3	5.50	32.00	17.19	Low	\$0.00	26.50	\$0.00
Science & Technology 256 gen chem lab	3	5.50	32.00	17.19	Low	\$0.00	26.50	\$0.00
Total	27	68.67	160.00	42.92		\$0.00	92.17	\$0.00
<b>Social Science</b>								
Social Science 145 dance studio	3	2.50	32.00	7.81	Low	\$0.00	29.50	\$0.00
Total	3	2.50	32.00	7.81		\$0.00	29.50	\$0.00
Grand Total	154	419.35	736.00	56.98		\$0.00	430.33	\$0.00



Report	Format	Start Date	End Date	Start Time	End Time
Room Utilization	Detail By Building	9/28/2015	10/2/2015		

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**Buildings**

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Antipodes  
Aquarius  
Armstrong  
Athletic Fields  
Bellows Academic  
Buckingham  
Camaraderie  
Charisma  
Charter Hall  
Chez Nous  
Clapper  
Commons  
Conference Center  
Courtyards  
El Dorado  
Fine Arts  
Foundation Residential Apartment  
Founders Hall  
Homestead  
Individualized Learning  
Kamasutra  
Lakota  
Lhasa  
Lincoln Center  
Manchester  
Methedras  
Naoutha  
Ocean Boulevard  
Other  
Physical Education  
Porter  
Recreational Athletic Facility  
Regional Event Center  
Science and Math  
Science and Technology  
Selene  
Shenandoah  
Sirius  
Social Science  
Student Center  
Sybaris  
Titan  
Track and Field Complex

Report	Format	Start Date	End Date	Start Time	End Time
Room Utilization	Detail By Building	9/28/2015	10/2/2015		

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**Statuses**

Confirmed  
Confirmed - Academic Classes  
Confirmed - Private  
Confirmed - Private Function  
Confirmed with Alcohol  
Confirmed-Co Sponsored

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**Room Types**

Lab

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**Event Types**

Course, Credit  
Course, Hybrid Credit  
Final Exam

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**Group Types**

Academic

Reporting Period: 9/28/2015 thru 10/2/2015

## CFP #2A - Owned Buildings/Academic/Credit Production/Classroom Detail

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category	Util. Cost	Hours Vacant	Vacancy Cost
<b>Bellows Academic</b>								
Bellows Academic 102 Lecture Hall - tiered seating	16	18.97	32.00	59.27	Low	\$0.00	13.03	\$0.00
Bellows Academic 231 Classroom - tablet armchairs	21	18.83	32.00	58.85	Low	\$0.00	13.17	\$0.00
Bellows Academic 232 classroom - tablet arm chairs	7	7.50	32.00	23.44	Low	\$0.00	24.50	\$0.00
Bellows Academic 233 classroom - tablet arm chairs	16	14.17	32.00	44.27	Low	\$0.00	17.83	\$0.00
Bellows Academic 234 classroom - tablet arm chairs	15	15.00	32.00	46.88	Low	\$0.00	17.00	\$0.00
Bellows Academic 235 Classroom - tables and chairs	24	27.17	32.00	84.90	Low	\$0.00	4.83	\$0.00
Bellows Academic 236 classroom - tablet arm chairs	13	14.58	32.00	45.57	Low	\$0.00	17.42	\$0.00
Bellows Academic 238 Classroom - tablet arm chairs	18	17.50	32.00	54.69	Low	\$0.00	14.50	\$0.00
Bellows Academic 240 Classroom - tablet arm chairs	18	20.00	32.00	62.50	Low	\$0.00	12.00	\$0.00
<b>Total</b>	<b>148</b>	<b>153.72</b>	<b>288.00</b>	<b>53.37</b>		<b>\$0.00</b>	<b>134.28</b>	<b>\$0.00</b>
<b>Charter Hall</b>								
Charter Hall 124	12	10.00	32.00	31.25	Low	\$0.00	22.00	\$0.00
Charter Hall 201 Lecture Hall - tiered seating	11	10.00	32.00	31.25	Low	\$0.00	22.00	\$0.00
Charter Hall 204 classroom - tablet arm chairs	24	24.50	32.00	76.56	Low	\$0.00	7.50	\$0.00
Charter Hall 206 classroom - tables and chairs	22	27.83	32.00	86.98	Normal	\$0.00	4.17	\$0.00
Charter Hall 208 classroom - tablet arm chairs	24	22.83	32.00	71.35	Low	\$0.00	9.17	\$0.00
Charter Hall 217 Lecture Hall - tiered seating	13	12.50	32.00	39.06	Low	\$0.00	19.50	\$0.00
Charter Hall 219 classroom - table and chairs	22	25.97	32.00	81.15	Low	\$0.00	6.03	\$0.00
Charter Hall 222 classroom - tablet arm chairs	15	19.47	32.00	60.83	Low	\$0.00	12.53	\$0.00
<b>Total</b>	<b>143</b>	<b>153.10</b>	<b>256.00</b>	<b>59.80</b>		<b>\$0.00</b>	<b>102.90</b>	<b>\$0.00</b>
<b>Fine Arts</b>								
Fine Arts 131	11	9.17	32.00	28.65	Low	\$0.00	22.83	\$0.00
Fine Arts 225 classroom	12	14.50	32.00	45.31	Low	\$0.00	17.50	\$0.00
<b>Total</b>	<b>23</b>	<b>23.67</b>	<b>64.00</b>	<b>36.98</b>		<b>\$0.00</b>	<b>40.33</b>	<b>\$0.00</b>
<b>Individualized Learning</b>								
Individualized Learning 208- tables and chairs	18	27.00	32.00	84.38	Low	\$0.00	5.00	\$0.00

Reporting Period: 9/28/2015 thru 10/2/2015

## CFP #2A - Owned Buildings/Academic/Credit Production/Classroom Detail

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category	Util. Cost	Hours Vacant	Vacancy Cost
Individualized learning 210- tables and chairs	14	18.83	32.00	58.85	Low	\$0.00	13.17	\$0.00
Individualized Learning 214	6	11.00	32.00	34.38	Low	\$0.00	21.00	\$0.00
Total	38	56.83	96.00	59.20		\$0.00	39.17	\$0.00
<b>Physical Education</b>								
Physical Education 214 classroom	22	23.83	32.00	74.48	Low	\$0.00	8.17	\$0.00
Total	22	23.83	32.00	74.48		\$0.00	8.17	\$0.00
<b>Science and Math</b>								
Science and Math 269 classroom	15	16.25	32.00	50.78	Low	\$0.00	15.75	\$0.00
Science and Math 274	1	0.83	32.00	2.60	Low	\$0.00	31.17	\$0.00
Total	16	17.08	64.00	26.69		\$0.00	46.92	\$0.00
<b>Science and Technology</b>								
Science & Technology 216-tables and chairs	18	21.30	32.00	66.56	Low	\$0.00	10.70	\$0.00
Science & Technology 218 - tables and chairs	24	30.93	32.00	96.67	Normal	\$0.00	1.07	\$0.00
Science & Technology 252- tables and chairs	14	31.37	32.00	98.02	Normal	\$0.00	0.63	\$0.00
Total	56	83.60	96.00	87.08		\$0.00	12.40	\$0.00
<b>Social Science</b>								
Social Science 106/108	8	8.75	32.00	27.34	Low	\$0.00	23.25	\$0.00
Social Science 128 classroom - tablet arm chairs	14	17.00	32.00	53.13	Low	\$0.00	15.00	\$0.00
Social Science 201 classroom - tablet arm chairs	13	14.50	32.00	45.31	Low	\$0.00	17.50	\$0.00
Social Science 202 classroom - tablet arm chairs	12	11.67	32.00	36.46	Low	\$0.00	20.33	\$0.00
Social Science 203 classroom - tablet arm chairs	12	12.50	32.00	39.06	Low	\$0.00	19.50	\$0.00
Social Science 204 classroom - tablet arm chairs	21	22.50	32.00	70.31	Low	\$0.00	9.50	\$0.00
Social Science 205 classroom - tablet arm chairs	27	27.83	32.00	86.98	Normal	\$0.00	4.17	\$0.00
Social Science 206 classroom - tablet arm chairs	13	15.00	32.00	46.88	Low	\$0.00	17.00	\$0.00
Social Science 208 classroom - tablet arm chairs	23	25.00	32.00	78.13	Low	\$0.00	7.00	\$0.00
Social Science 224 classroom - tablet arm chairs	23	21.17	32.00	66.15	Low	\$0.00	10.83	\$0.00

Reporting Period: 9/28/2015 thru 10/2/2015

## CFP #2A - Owned Buildings/Academic/Credit Production/Classroom Detail

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category	Util. Cost	Hours Vacant	Vacancy Cost
Social Science 228 classroom - tables and chairs	16	18.83	32.00	58.85	Low	\$0.00	13.17	\$0.00
Social Science 230 classroom - tablet arm chairs	19	21.17	32.00	66.15	Low	\$0.00	10.83	\$0.00
Social Science 237 classroom - tablet arm chairs	7	7.50	32.00	23.44	Low	\$0.00	24.50	\$0.00
Social Science 239 classroom - tablet arm chairs	12	16.25	32.00	50.78	Low	\$0.00	15.75	\$0.00
Total	220	239.67	448.00	53.50		\$0.00	208.33	\$0.00
Grand Total	666	751.50	1,344.00	55.92		\$0.00	592.50	\$0.00

Report	Format	Start Date	End Date	Start Time	End Time
Room Utilization	Detail By Building	9/28/2015	10/2/2015		

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**Buildings**

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Antipodes  
Aquarius  
Armstrong  
Athletic Fields  
Bellows Academic  
Buckingham  
Camaraderie  
Charisma  
Charter Hall  
Chez Nous  
Clapper  
Commons  
Conference Center  
Courtyards  
El Dorado  
Fine Arts  
Foundation Residential Apartment  
Founders Hall  
Homestead  
Individualized Learning  
Kamasutra  
Lakota  
Lhasa  
Lincoln Center  
Manchester  
Methedras  
Naoutha  
Ocean Boulevard  
Other  
Physical Education  
Porter  
Recreational Athletic Facility  
Regional Event Center  
Science and Math  
Science and Technology  
Selene  
Shenandoah  
Sirius  
Social Science  
Student Center  
Sybaris  
Titan  
Track and Field Complex

Report	Format	Start Date	End Date	Start Time	End Time
Room Utilization	Detail By Building	9/28/2015	10/2/2015		

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**Statuses**

Confirmed  
Confirmed - Academic Classes  
Confirmed - Private  
Confirmed - Private Function  
Confirmed with Alcohol  
Confirmed-Co Sponsored

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**Room Types**

Academic Classroom - 110

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**Event Types**

Course, Credit  
Course, Hybrid Credit  
Final Exam

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**Group Types**

Academic





**OVERALL SUMMARY BY CAMPUS**

University	Campus	GSF	Calculated CRV (000's)	Backlog (000's)	Average Annual Renewal (000's)	Average Annual Infra (000's)	FCI	Renewal/CRV (%)
UMN	Southwest Minnesota State University	1,233,169	\$407,357	\$46,237	\$6,621	\$991	0.11	1.63 %
UMN	UNIVERSITY TOTAL	1,233,169	\$407,357	\$46,237	\$6,621	\$991	0.11	1.63 %
	GRAND TOTAL	1,233,169	\$407,357	\$46,237	\$6,621	\$991	0.11	1.63 %



**ALL BUILDINGS**

Campus	Building Name	Bldg No.	Type	Location	Year	GSF	Floor	GF	Rev	
Southwest Minnesota State University	Bellows Academic Ctr - B	075S1669	BASIC	Main	1969	44,400	2	100 %		
	Bellows Academic Ctr - A	075S0167	BASIC	Main	1967	132,000	3	100 %		
	Bellows Library Entrance	075S1405	BASIC	Main	2005	1,380	2	100 %		
	Charter Hall	075S0670	BASIC	Main	1970	55,618	3	100 %		
	Childcare Facility	075S1590	BASIC	Main	1990	2,744	1	100 %		
	Commons Central	075S5168	RSDNTL	Main	1968	5,746	2		100 %	
	Commons East	075S5670	RSDNTL	Main	1970	5,363	2		100 %	
	Commons West	075S6170	RSDNTL	Main	1970	5,363	2		100 %	
	Conference Center	075S5970	BASIC	Main	1970	31,989	2		100 %	
	Fine Arts (Southwest MSU)	075S0268	BASIC	Main	1968	57,650	3	100 %		
	Founders Hall	075S1073	BASIC	Main	1973	33,400	4	100 %		
	G - Dormitory	075S5469	RSDNTL	Main	1969	38,792	4		100 %	
	GM-Dormitory	075S5268	RSDNTL	Main	1968	38,478	4		100 %	
	GW - Dormitory	E26075s5368	RSDNTL	Main	1968	40,100	4		100 %	
	HA - Dormitory	075S5770	RSDNTL	Main	1970	43,167	4		100 %	
	HB - Dormitory	075S6070	RSDNTL	Main	1970	38,478	4		100 %	
	HC - Dormitory	075S5870	RSDNTL	Main	1970	39,922	4		100 %	
	Individualized Learning Center	075S0872	COMPLEX	Main	1972	61,560	2	100 %		
	Maintenance	075S0570	BASIC	Main	1970	12,500	1	100 %		
	Phy. Ed.- A	07520368	BASIC	Main	1968	65,030	2	100 %		
	Phy. Ed.- B	075S0368	BASIC	Main	1970	33,734	2	100 %		
	Recreation Athletic Facility	075S1295	BASIC	Main	1995	71,033	2	100 %		
	Regional Events Center	E26075S8009	BASIC	Main	2008	24,700	2	100 %		
	Science & Math	075S0772	COMPLEX	Main	1972	74,060	2	100 %		
	Science & Technology	075S0470	COMPLEX	Main	1970	70,285	3	100 %		
	Social Science	075S1173	BASIC	Main	1973	53,350	3	100 %		
	Stadium Building	075S0973	BASIC	Main	1973	3,237	2	100 %		
	Student Center - 1973 (SwMSU)	075S8073	COMPLEX	Main	1973	76,940	2		100 %	
	Sweetland Hall	E26075S8010	RSDNTL	Main	2009	67,600	3		100 %	
	Vehicle Storage Building	075S1606	SIMPLE	Main	2005	4,550	1	100 %		
	<b>TOTAL CAMPUS Southwest Minnesota State University GSF:</b>						<b>1,233,169</b>			



**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total	
Southwest Minnesota State University	Bellows Academic Ctr - B	075S1669	\$13,957	44,400	1969	0.01	b.2. Building Exteriors (Soft)	\$78	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$441	\$519	
Southwest Minnesota State University	Bellows Academic Ctr - B	075S1669	\$13,957	44,400	1969	0.01	d.2. HVAC - Controls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$308	\$308
Southwest Minnesota State University	Bellows Academic Ctr - B	075S1669	\$13,957	44,400	1969	0.01	j.1. Fire Detection Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$162	\$162
Southwest Minnesota State University	Bellows Academic Ctr - B	075S1669	\$13,957	44,400	1969	0.01	l.2. Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$535	\$0	\$0	\$0	\$0	\$0	\$0	\$535
Southwest Minnesota State University	Bellows Academic Ctr - B	075S1669	\$13,957	44,400	1969	0.01	TOTAL BY BUILDING	\$78	\$0	\$0	\$0	\$0	\$535	\$0	\$0	\$0	\$0	\$0	\$912	\$1,525
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	a.5. Roofing - Built-up, Membrane, Cedar	\$0	\$801	\$2,758	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,559
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	b.1. Building Exteriors (Hard)	\$4,122	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,122
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	d.2. HVAC - Controls	\$660	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$183	\$843
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	d.1. HVAC - Equipment	\$618	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$618
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	e.1. HVAC - Distribution	\$2,362	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,362
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	f.1. Electrical Equipment	\$0	\$622	\$622	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,245
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	g.1. Plumbing Fixtures	\$0	\$425	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$425
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	g.2. Plumbing Rough-in	\$0	\$0	\$1,235	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,235
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	j.1. Fire Detection Systems	\$347	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$96	\$444
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	k.1. Built-in Equipment	\$0	\$733	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$733
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	l.2. Interior Finishes	\$1,114	\$0	\$0	\$0	\$0	\$318	\$127	\$0	\$0	\$32	\$0	\$0	\$1,592
Southwest Minnesota State University	Bellows Academic Ctr - A	075S0167	\$41,494	132,000	1967	0.22	TOTAL BY BUILDING	\$9,223	\$2,581	\$4,615	\$0	\$0	\$318	\$127	\$0	\$0	\$32	\$280	\$17,177	
Southwest Minnesota State University	Bellows Library Entrance	075S1405	\$434	1,380	2005	0.00	l.2. Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$17	\$0	\$0	\$0	\$0	\$0	\$0	\$17
Southwest Minnesota State University	Bellows Library Entrance	075S1405	\$434	1,380	2005	0.00	TOTAL BY BUILDING	\$0	\$0	\$0	\$0	\$0	\$17	\$0	\$0	\$0	\$0	\$0	\$0	\$17
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	b.1. Building Exteriors (Hard)	\$256	\$0	\$0	\$0	\$0	\$192	\$0	\$0	\$0	\$0	\$0	\$0	\$447

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	d.2. HVAC - Controls	\$97	\$0	\$0	\$290	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$386
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	d.1. HVAC - Equipment	\$488	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$488
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	e.1. HVAC - Distribution	\$346	\$0	\$0	\$0	\$0	\$1,037	\$0	\$0	\$0	\$0	\$0	\$1,382
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	f.1. Electrical Equipment	\$0	\$0	\$175	\$568	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$743
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	g.1. Plumbing Fixtures	\$0	\$0	\$0	\$224	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$224
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$651	\$0	\$0	\$0	\$0	\$0	\$651
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	j.1. Fire Detection Systems	\$203	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$203
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	k.1. Built-in Equipment	\$0	\$0	\$0	\$386	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$386
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	l.2. Interior Finishes	\$168	\$0	\$0	\$503	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$671
Southwest Minnesota State University	Charter Hall	075S0670	\$17,483	55,618	1970	0.09	TOTAL BY BUILDING	\$1,557	\$0	\$175	\$1,971	\$0	\$1,879	\$0	\$0	\$0	\$0	\$0	\$5,582
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	b.1. Building Exteriors (Hard)	\$0	\$0	\$0	\$0	\$0	\$32	\$0	\$0	\$0	\$0	\$0	\$32
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	d.2. HVAC - Controls	\$40	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	d.1. HVAC - Equipment	\$53	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	f.1. Electrical Equipment	\$0	\$0	\$0	\$0	\$0	\$43	\$0	\$0	\$0	\$0	\$0	\$43
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	g.1. Plumbing Fixtures	\$11	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	j.1. Fire Detection Systems	\$10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	k.1. Built-in Equipment	\$0	\$19	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	l.2. Interior Finishes	\$33	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33
Southwest Minnesota State University	Childcare Facility	075S1590	\$883	2,744	1990	0.17	TOTAL BY BUILDING	\$147	\$19	\$0	\$0	\$0	\$75	\$0	\$0	\$0	\$0	\$0	\$240
Southwest Minnesota State University	Commons Central	075S5168	\$1,512	5,746	1968	0.08	b.1. Building Exteriors (Hard)	\$17	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Commons Central	075S5168	\$1,512	5,746	1968	0.08	d.1. HVAC - Equipment	\$0	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50
Southwest Minnesota State University	Commons Central	075S5168	\$1,512	5,746	1968	0.08	f.1. Electrical Equipment	\$0	\$67	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$67
Southwest Minnesota State University	Commons Central	075S5168	\$1,512	5,746	1968	0.08	g.1. Plumbing Fixtures	\$0	\$34	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34
Southwest Minnesota State University	Commons Central	075S5168	\$1,512	5,746	1968	0.08	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$67	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$67
Southwest Minnesota State University	Commons Central	075S5168	\$1,512	5,746	1968	0.08	j.1. Fire Detection Systems	\$57	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$57
Southwest Minnesota State University	Commons Central	075S5168	\$1,512	5,746	1968	0.08	k.1. Built-in Equipment	\$42	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42
Southwest Minnesota State University	Commons Central	075S5168	\$1,512	5,746	1968	0.08	TOTAL BY BUILDING	\$116	\$151	\$0	\$67	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$334
Southwest Minnesota State University	Commons East	075S5670	\$1,411	5,363	1970	0.10	b.1. Building Exteriors (Hard)	\$12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12
Southwest Minnesota State University	Commons East	075S5670	\$1,411	5,363	1970	0.10	d.1. HVAC - Equipment	\$0	\$47	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47
Southwest Minnesota State University	Commons East	075S5670	\$1,411	5,363	1970	0.10	f.1. Electrical Equipment	\$0	\$63	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63
Southwest Minnesota State University	Commons East	075S5670	\$1,411	5,363	1970	0.10	g.1. Plumbing Fixtures	\$31	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31
Southwest Minnesota State University	Commons East	075S5670	\$1,411	5,363	1970	0.10	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$63	\$0	\$0	\$0	\$0	\$0	\$63
Southwest Minnesota State University	Commons East	075S5670	\$1,411	5,363	1970	0.10	j.1. Fire Detection Systems	\$53	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53
Southwest Minnesota State University	Commons East	075S5670	\$1,411	5,363	1970	0.10	k.1. Built-in Equipment	\$39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39
Southwest Minnesota State University	Commons East	075S5670	\$1,411	5,363	1970	0.10	TOTAL BY BUILDING	\$136	\$110	\$0	\$0	\$0	\$63	\$0	\$0	\$0	\$0	\$0	\$309
Southwest Minnesota State University	Commons West	075S6170	\$1,411	5,363	1970	0.10	b.1. Building Exteriors (Hard)	\$12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12
Southwest Minnesota State University	Commons West	075S6170	\$1,411	5,363	1970	0.10	d.1. HVAC - Equipment	\$0	\$47	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47
Southwest Minnesota State University	Commons West	075S6170	\$1,411	5,363	1970	0.10	f.1. Electrical Equipment	\$0	\$63	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63
Southwest Minnesota State University	Commons West	075S6170	\$1,411	5,363	1970	0.10	g.1. Plumbing Fixtures	\$31	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31
Southwest Minnesota State University	Commons West	075S6170	\$1,411	5,363	1970	0.10	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$63	\$0	\$0	\$0	\$0	\$0	\$63

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Commons West	075S6170	\$1,411	5,363	1970	0.10	j.1. Fire Detection Systems	\$53	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53
Southwest Minnesota State University	Commons West	075S6170	\$1,411	5,363	1970	0.10	k.1. Built-in Equipment	\$39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39
Southwest Minnesota State University	Commons West	075S6170	\$1,411	5,363	1970	0.10	TOTAL BY BUILDING	\$136	\$110	\$0	\$0	\$0	\$63	\$0	\$0	\$0	\$0	\$0	\$309
Southwest Minnesota State University	Conference Center	075S5970	\$10,056	31,989	1970	0.00	d.2. HVAC - Controls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$222	\$222
Southwest Minnesota State University	Conference Center	075S5970	\$10,056	31,989	1970	0.00	j.1. Fire Detection Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$117	\$117
Southwest Minnesota State University	Conference Center	075S5970	\$10,056	31,989	1970	0.00	l.2. Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$386	\$0	\$0	\$0	\$0	\$0	\$386
Southwest Minnesota State University	Conference Center	075S5970	\$10,056	31,989	1970	0.00	TOTAL BY BUILDING	\$0	\$0	\$0	\$0	\$386	\$0	\$0	\$0	\$0	\$0	\$339	\$725
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	a.4. Roofing - MnSCU Standard	\$0	\$0	\$0	\$0	\$1,594	\$0	\$0	\$0	\$0	\$0	\$0	\$1,594
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	b.1. Building Exteriors (Hard)	\$444	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$444
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	d.2. HVAC - Controls	\$100	\$300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	d.1. HVAC - Equipment	\$256	\$249	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$506
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	e.1. HVAC - Distribution	\$358	\$0	\$0	\$1,075	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,433
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	f.1. Electrical Equipment	\$18	\$571	\$0	\$0	\$0	\$181	\$0	\$0	\$0	\$0	\$0	\$770
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	g.1. Plumbing Fixtures	\$0	\$0	\$232	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$232
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$674	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$674
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	i.1. Fire Protection Systems	\$0	\$0	\$0	\$0	\$0	\$19	\$0	\$0	\$0	\$0	\$0	\$19
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	j.1. Fire Detection Systems	\$211	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$211
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	k.1. Built-in Equipment	\$0	\$400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	l.2. Interior Finishes	\$174	\$521	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$695
Southwest Minnesota State University	Fine Arts (Southwest MSU)	075S0268	\$18,122	57,650	1968	0.09	TOTAL BY BUILDING	\$1,561	\$2,042	\$232	\$1,749	\$1,594	\$200	\$0	\$0	\$0	\$0	\$0	\$7,378



**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	b.1. Building Exteriors (Hard)	\$2,905	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,905
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	d.2. HVAC - Controls	\$0	\$0	\$0	\$0	\$0	\$0	\$483	\$0	\$0	\$0	\$0	\$483
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	d.1. HVAC - Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$642	\$0	\$0	\$0	\$0	\$642
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$830	\$0	\$0	\$830
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	f.1. Electrical Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$157	\$0	\$0	\$0	\$0	\$157
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	g.1. Plumbing Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$134	\$0	\$0	\$0	\$0	\$134
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$391	\$0	\$0	\$391
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	j.1. Fire Detection Systems	\$122	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$122
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	k.1. Built-in Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$232	\$0	\$0	\$0	\$0	\$232
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	l.2. Interior Finishes	\$0	\$0	\$0	\$403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$403
Southwest Minnesota State University	Founders Hall	075S1073	\$10,752	33,400	1973	0.28	TOTAL BY BUILDING	\$3,027	\$0	\$0	\$403	\$0	\$0	\$1,649	\$0	\$1,221	\$0	\$0	\$6,300
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	a.5. Roofing - Built-up, Membrane, Cedar	\$0	\$0	\$0	\$0	\$459	\$0	\$0	\$0	\$0	\$0	\$0	\$459
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	b.1. Building Exteriors (Hard)	\$1,172	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,172
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	d.1. HVAC - Equipment	\$340	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$340
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	e.1. HVAC - Distribution	\$681	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$681
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	f.1. Electrical Equipment	\$181	\$272	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$454
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	g.1. Plumbing Fixtures	\$0	\$227	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$227
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	g.2. Plumbing Rough-in	\$454	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$454
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	j.1. Fire Detection Systems	\$57	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$57
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	k.1. Built-in Equipment	\$0	\$284	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$284

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	G - Dormitory	075S5469	\$10,209	38,792	1969	0.28	TOTAL BY BUILDING	\$2,885	\$783	\$0	\$0	\$459	\$0	\$0	\$0	\$0	\$0	\$0	\$4,127
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	b.1. Building Exteriors (Hard)	\$1,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,300
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	d.1. HVAC - Equipment	\$253	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$253
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	e.1. HVAC - Distribution	\$506	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$506
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	f.1. Electrical Equipment	\$180	\$270	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$450
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	g.1. Plumbing Fixtures	\$169	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$169
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	g.2. Plumbing Rough-in	\$338	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$338
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	j.1. Fire Detection Systems	\$56	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	k.1. Built-in Equipment	\$0	\$281	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$281
Southwest Minnesota State University	GM-Dormitory	075S5268	\$10,126	38,478	1968	0.28	TOTAL BY BUILDING	\$2,802	\$551	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,353
Southwest Minnesota State University	GW - Dormitory	E26075s5368	\$10,553	40,100	1968	0.16	b.1. Building Exteriors (Hard)	\$1,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,300
Southwest Minnesota State University	GW - Dormitory	E26075s5368	\$10,553	40,100	1968	0.16	e.1. HVAC - Distribution	\$0	\$0	\$0	\$704	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$704
Southwest Minnesota State University	GW - Dormitory	E26075s5368	\$10,553	40,100	1968	0.16	f.1. Electrical Equipment	\$375	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$375
Southwest Minnesota State University	GW - Dormitory	E26075s5368	\$10,553	40,100	1968	0.16	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$23	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23
Southwest Minnesota State University	GW - Dormitory	E26075s5368	\$10,553	40,100	1968	0.16	TOTAL BY BUILDING	\$1,675	\$0	\$0	\$727	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,402
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	b.1. Building Exteriors (Hard)	\$313	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$729	\$0	\$1,042
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	d.1. HVAC - Equipment	\$379	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$379
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$757	\$0	\$0	\$0	\$0	\$0	\$757
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	f.1. Electrical Equipment	\$202	\$303	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$505
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	g.1. Plumbing Fixtures	\$252	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$252

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$505	\$0	\$0	\$0	\$0	\$0	\$505
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	j.1. Fire Detection Systems	\$63	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	k.1. Built-in Equipment	\$0	\$316	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$316
Southwest Minnesota State University	HA - Dormitory	075S5770	\$11,361	43,167	1970	0.11	TOTAL BY BUILDING	\$1,209	\$619	\$0	\$0	\$0	\$1,262	\$0	\$0	\$0	\$729	\$0	\$3,819
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	a.4. Roofing - MnSCU Standard	\$0	\$0	\$0	\$0	\$28	\$0	\$0	\$0	\$0	\$0	\$0	\$28
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	b.1. Building Exteriors (Hard)	\$133	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$310	\$442
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	d.1. HVAC - Equipment	\$338	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$338
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$675	\$0	\$0	\$0	\$0	\$0	\$675
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	f.1. Electrical Equipment	\$180	\$180	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$360
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	g.1. Plumbing Fixtures	\$225	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$450	\$0	\$0	\$0	\$0	\$0	\$450
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	j.1. Fire Detection Systems	\$56	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	k.1. Built-in Equipment	\$0	\$281	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$281
Southwest Minnesota State University	HB - Dormitory	075S6070	\$10,126	38,478	1970	0.09	TOTAL BY BUILDING	\$932	\$461	\$0	\$0	\$28	\$1,125	\$0	\$0	\$0	\$0	\$310	\$2,856
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	b.1. Building Exteriors (Hard)	\$138	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$138
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	d.1. HVAC - Equipment	\$350	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$700	\$0	\$0	\$0	\$0	\$0	\$700
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	f.1. Electrical Equipment	\$187	\$187	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$374
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	g.1. Plumbing Fixtures	\$233	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$233
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$467	\$0	\$0	\$0	\$0	\$0	\$467

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	j.1. Fire Detection Systems	\$58	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$58
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	k.1. Built-in Equipment	\$0	\$292	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$292
Southwest Minnesota State University	HC - Dormitory	075S5870	\$10,507	39,922	1970	0.09	TOTAL BY BUILDING	\$966	\$479	\$0	\$0	\$0	\$1,167	\$0	\$0	\$0	\$0	\$0	\$2,613
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	a.5. Roofing - Built-up, Membrane, Cedar	\$0	\$0	\$0	\$0	\$1,661	\$0	\$0	\$0	\$0	\$0	\$0	\$1,661
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	b.1. Building Exteriors (Hard)	\$2,684	\$0	\$0	\$0	\$0	\$542	\$0	\$0	\$0	\$0	\$0	\$3,226
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	d.2. HVAC - Controls	\$0	\$727	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$727
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$1,701	\$0	\$0	\$0	\$0	\$1,701
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	f.1. Electrical Equipment	\$0	\$0	\$293	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$293
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	g.1. Plumbing Fixtures	\$0	\$0	\$0	\$0	\$0	\$555	\$0	\$0	\$0	\$0	\$0	\$555
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,243	\$0	\$0	\$0	\$1,243
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	j.1. Fire Detection Systems	\$191	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$191
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	k.1. Built-in Equipment	\$0	\$0	\$0	\$0	\$0	\$2,678	\$0	\$0	\$0	\$0	\$0	\$2,678
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	l.2. Interior Finishes	\$408	\$0	\$0	\$0	\$223	\$0	\$0	\$0	\$0	\$0	\$111	\$742
Southwest Minnesota State University	Individualized Learning Center	075S0872	\$27,002	61,560	1972	0.12	TOTAL BY BUILDING	\$3,284	\$727	\$293	\$0	\$1,884	\$3,774	\$0	\$2,944	\$0	\$0	\$111	\$13,016
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	b.1. Building Exteriors (Hard)	\$0	\$0	\$0	\$113	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$113
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	d.2. HVAC - Controls	\$0	\$0	\$0	\$87	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$87
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$311	\$0	\$0	\$0	\$0	\$0	\$311
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	f.1. Electrical Equipment	\$0	\$0	\$0	\$116	\$0	\$0	\$69	\$0	\$0	\$0	\$0	\$185
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	g.1. Plumbing Fixtures	\$0	\$0	\$0	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$146	\$0	\$0	\$0	\$0	\$0	\$146

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	j.1. Fire Detection Systems	\$46	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$46
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	k.1. Built-in Equipment	\$0	\$0	\$0	\$87	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$87
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	l.2. Interior Finishes	\$0	\$0	\$0	\$151	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$151
Southwest Minnesota State University	Maintenance	075S0570	\$3,929	12,500	1970	0.01	TOTAL BY BUILDING	\$46	\$0	\$0	\$604	\$0	\$457	\$69	\$0	\$0	\$0	\$0	\$1,175
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	a.4. Roofing - MnSCU Standard	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$356	\$356
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	b.1. Building Exteriors (Hard)	\$0	\$598	\$0	\$0	\$0	\$149	\$0	\$0	\$0	\$0	\$0	\$747
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	d.2. HVAC - Controls	\$0	\$941	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$941
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	d.1. HVAC - Equipment	\$1,250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	e.1. HVAC - Distribution	\$0	\$0	\$0	\$1,616	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,616
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	f.1. Electrical Equipment	\$0	\$664	\$0	\$0	\$0	\$0	\$204	\$0	\$0	\$0	\$0	\$869
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	g.1. Plumbing Fixtures	\$261	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$261
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$761	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$761
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	j.1. Fire Detection Systems	\$238	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$238
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	k.1. Built-in Equipment	\$0	\$452	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$452
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	l.2. Interior Finishes	\$196	\$588	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$784
Southwest Minnesota State University	Phy. Ed. - A	07520368	\$20,934	65,030	1968	0.09	TOTAL BY BUILDING	\$1,946	\$3,243	\$0	\$2,377	\$0	\$149	\$204	\$0	\$0	\$0	\$356	\$8,276
Southwest Minnesota State University	Phy. Ed. - B	075S0368	\$10,859	33,734	1970	0.14	a.4. Roofing - MnSCU Standard	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$185	\$185
Southwest Minnesota State University	Phy. Ed. - B	075S0368	\$10,859	33,734	1970	0.14	b.1. Building Exteriors (Hard)	\$0	\$0	\$0	\$388	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$388
Southwest Minnesota State University	Phy. Ed. - B	075S0368	\$10,859	33,734	1970	0.14	d.2. HVAC - Controls	\$0	\$0	\$0	\$488	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$488
Southwest Minnesota State University	Phy. Ed. - B	075S0368	\$10,859	33,734	1970	0.14	d.1. HVAC - Equipment	\$649	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$649

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Phy. Ed.- B	075S0368	\$10,859	33,734	1970	0.14	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$838	\$0	\$0	\$0	\$0	\$0	\$838
Southwest Minnesota State University	Phy. Ed.- B	075S0368	\$10,859	33,734	1970	0.14	f.1. Electrical Equipment	\$0	\$0	\$0	\$345	\$0	\$0	\$0	\$0	\$0	\$0	\$106	\$451
Southwest Minnesota State University	Phy. Ed.- B	075S0368	\$10,859	33,734	1970	0.14	g.1. Plumbing Fixtures	\$585	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$585
Southwest Minnesota State University	Phy. Ed.- B	075S0368	\$10,859	33,734	1970	0.14	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$395	\$0	\$0	\$0	\$0	\$0	\$395
Southwest Minnesota State University	Phy. Ed.- B	075S0368	\$10,859	33,734	1970	0.14	j.1. Fire Detection Systems	\$123	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$123
Southwest Minnesota State University	Phy. Ed.- B	075S0368	\$10,859	33,734	1970	0.14	k.1. Built-in Equipment	\$0	\$0	\$0	\$234	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$234
Southwest Minnesota State University	Phy. Ed.- B	075S0368	\$10,859	33,734	1970	0.14	l.2. Interior Finishes	\$122	\$0	\$0	\$285	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$407
Southwest Minnesota State University	Phy. Ed.- B	075S0368	\$10,859	33,734	1970	0.14	TOTAL BY BUILDING	\$1,479	\$0	\$0	\$1,740	\$0	\$1,233	\$0	\$0	\$0	\$0	\$291	\$4,742
Southwest Minnesota State University	Recreation Athletic Facility	075S1295	\$22,329	71,033	1995	0.00	b.1. Building Exteriors (Hard)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$816	\$816
Southwest Minnesota State University	Recreation Athletic Facility	075S1295	\$22,329	71,033	1995	0.00	d.2. HVAC - Controls	\$0	\$493	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$493
Southwest Minnesota State University	Recreation Athletic Facility	075S1295	\$22,329	71,033	1995	0.00	f.1. Electrical Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,116	\$1,116
Southwest Minnesota State University	Recreation Athletic Facility	075S1295	\$22,329	71,033	1995	0.00	g.1. Plumbing Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$286	\$286
Southwest Minnesota State University	Recreation Athletic Facility	075S1295	\$22,329	71,033	1995	0.00	j.1. Fire Detection Systems	\$0	\$260	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$260
Southwest Minnesota State University	Recreation Athletic Facility	075S1295	\$22,329	71,033	1995	0.00	k.1. Built-in Equipment	\$0	\$0	\$0	\$0	\$0	\$493	\$0	\$0	\$0	\$0	\$0	\$493
Southwest Minnesota State University	Recreation Athletic Facility	075S1295	\$22,329	71,033	1995	0.00	l.2. Interior Finishes	\$0	\$565	\$0	\$0	\$0	\$0	\$34	\$0	\$0	\$257	\$0	\$857
Southwest Minnesota State University	Recreation Athletic Facility	075S1295	\$22,329	71,033	1995	0.00	TOTAL BY BUILDING	\$0	\$1,318	\$0	\$0	\$0	\$493	\$34	\$0	\$0	\$257	\$2,218	\$4,321
Southwest Minnesota State University	Regional Events Center	E26075S8009	\$7,951	24,700	2008	0.00	l.2. Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$298	\$0	\$0	\$298
Southwest Minnesota State University	Regional Events Center	E26075S8009	\$7,951	24,700	2008	0.00	TOTAL BY BUILDING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$298	\$0	\$0	\$298
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	a.3. Roofing - Metal, Concrete	\$350	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	b.1. Building Exteriors (Hard)	\$1,930	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,930

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	d.2. HVAC - Controls	\$872	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$872
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	e.1. HVAC - Distribution	\$1,608	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,608
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	g.1. Plumbing Fixtures	\$432	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$432
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$968	\$0	\$0	\$0	\$968
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	k.1. Built-in Equipment	\$2,009	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,009
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	l.2. Interior Finishes	\$473	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18	\$402	\$893
Southwest Minnesota State University	Science & Math	075S0772	\$33,266	74,060	1972	0.23	TOTAL BY BUILDING	\$7,674	\$0	\$0	\$0	\$0	\$0	\$0	\$968	\$0	\$18	\$402	\$9,062
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	a.4. Roofing - MnSCU Standard	\$0	\$0	\$0	\$0	\$1,539	\$0	\$0	\$0	\$0	\$0	\$0	\$1,539
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	b.1. Building Exteriors (Hard)	\$727	\$0	\$0	\$501	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,228
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	d.2. HVAC - Controls	\$0	\$0	\$0	\$830	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$830
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	d.1. HVAC - Equipment	\$208	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$208
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$2,358	\$0	\$0	\$0	\$0	\$0	\$2,358
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	f.1. Electrical Equipment	\$0	\$0	\$0	\$584	\$501	\$0	\$334	\$0	\$0	\$0	\$0	\$1,419
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	g.1. Plumbing Fixtures	\$0	\$0	\$0	\$633	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$633
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$1,419	\$0	\$0	\$0	\$0	\$0	\$1,419
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	k.1. Built-in Equipment	\$2,769	\$0	\$0	\$0	\$0	\$180	\$0	\$0	\$0	\$0	\$0	\$2,949
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	l.2. Interior Finishes	\$0	\$42	\$381	\$0	\$0	\$297	\$0	\$0	\$0	\$0	\$0	\$720
Southwest Minnesota State University	Science & Technology	075S0470	\$30,829	70,285	1970	0.12	TOTAL BY BUILDING	\$3,704	\$42	\$381	\$2,548	\$2,040	\$4,254	\$334	\$0	\$0	\$0	\$0	\$13,305
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	a.4. Roofing - MnSCU Standard	\$0	\$102	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$102
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	b.1. Building Exteriors (Hard)	\$823	\$0	\$0	\$0	\$593	\$0	\$0	\$0	\$0	\$0	\$0	\$1,416

**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	d.2. HVAC - Controls	\$0	\$74	\$0	\$0	\$0	\$296	\$0	\$0	\$0	\$0	\$0	\$371
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	d.1. HVAC - Equipment	\$250	\$218	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$468
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	e.1. HVAC - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$265	\$0	\$0	\$265
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	f.1. Electrical Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$713	\$0	\$0	\$0	\$0	\$713
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	g.1. Plumbing Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$215	\$0	\$0	\$0	\$0	\$215
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	g.2. Plumbing Rough-in	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$624	\$0	\$0	\$624
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	i.1. Fire Protection Systems	\$0	\$0	\$11	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	j.1. Fire Detection Systems	\$49	\$0	\$0	\$0	\$0	\$0	\$0	\$146	\$0	\$0	\$0	\$195
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	k.1. Built-in Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$371	\$0	\$0	\$0	\$0	\$371
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	l.2. Interior Finishes	\$322	\$0	\$0	\$0	\$0	\$0	\$322	\$0	\$0	\$0	\$0	\$643
Southwest Minnesota State University	Social Science	075S1173	\$16,771	53,350	1973	0.09	TOTAL BY BUILDING	\$1,443	\$394	\$11	\$0	\$593	\$296	\$1,619	\$146	\$889	\$0	\$0	\$5,392
Southwest Minnesota State University	Stadium Building	075S0973	\$1,018	3,237	1973	0.21	b.2. Building Exteriors (Soft)	\$38	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38
Southwest Minnesota State University	Stadium Building	075S0973	\$1,018	3,237	1973	0.21	f.1. Electrical Equipment	\$51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$51
Southwest Minnesota State University	Stadium Building	075S0973	\$1,018	3,237	1973	0.21	g.1. Plumbing Fixtures	\$13	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13
Southwest Minnesota State University	Stadium Building	075S0973	\$1,018	3,237	1973	0.21	g.2. Plumbing Rough-in	\$38	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38
Southwest Minnesota State University	Stadium Building	075S0973	\$1,018	3,237	1973	0.21	j.1. Fire Detection Systems	\$12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12
Southwest Minnesota State University	Stadium Building	075S0973	\$1,018	3,237	1973	0.21	k.1. Built-in Equipment	\$22	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22
Southwest Minnesota State University	Stadium Building	075S0973	\$1,018	3,237	1973	0.21	l.2. Interior Finishes	\$39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39
Southwest Minnesota State University	Stadium Building	075S0973	\$1,018	3,237	1973	0.21	TOTAL BY BUILDING	\$213	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$213
Southwest Minnesota State University	Student Center - 1973 (SwMSU)	075S8073	\$33,748	76,940	1973	0.00	d.2. HVAC - Controls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,069	\$1,069



**BACKLOG & 10 YR RENEWAL BY SUBSYSTEM**

Campus	Building Name	Bldg No	CRV(000's )	GSF	Year Built	FCI	Subsystem Name	Backlog	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Southwest Minnesota State University	Student Center - 1973 (SwMSU)	075S8073	\$33,748	76,940	1973	0.00	j.1. Fire Detection Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$281	\$281
Southwest Minnesota State University	Student Center - 1973 (SwMSU)	075S8073	\$33,748	76,940	1973	0.00	l.2. Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$928	\$0	\$0	\$0	\$0	\$0	\$928
Southwest Minnesota State University	Student Center - 1973 (SwMSU)	075S8073	\$33,748	76,940	1973	0.00	TOTAL BY BUILDING	\$0	\$0	\$0	\$0	\$0	\$928	\$0	\$0	\$0	\$0	\$1,350	\$2,278
Southwest Minnesota State University	Sweetland Hall	E26075S8010	\$17,791	67,600	2009	0.00	l.2. Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$815	\$0	\$815
Southwest Minnesota State University	Sweetland Hall	E26075S8010	\$17,791	67,600	2009	0.00	TOTAL BY BUILDING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$815	\$0	\$815
Southwest Minnesota State University	Vehicle Storage Building	075S1606	\$532	4,550	2005	0.00	d.2. HVAC - Controls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13	\$13
Southwest Minnesota State University	Vehicle Storage Building	075S1606	\$532	4,550	2005	0.00	j.1. Fire Detection Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7	\$7
Southwest Minnesota State University	Vehicle Storage Building	075S1606	\$532	4,550	2005	0.00	l.2. Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$3	\$0	\$0	\$0	\$0	\$0	\$3
Southwest Minnesota State University	Vehicle Storage Building	075S1606	\$532	4,550	2005	0.00	TOTAL BY BUILDING	\$0	\$0	\$0	\$0	\$0	\$3	\$0	\$0	\$0	\$0	\$20	\$23
							TOTAL BY CAMPUS	\$46,237	\$13,631	\$5,707	\$12,186	\$6,598	\$18,679	\$4,038	\$4,058	\$2,408	\$1,851	\$6,589	\$121,982



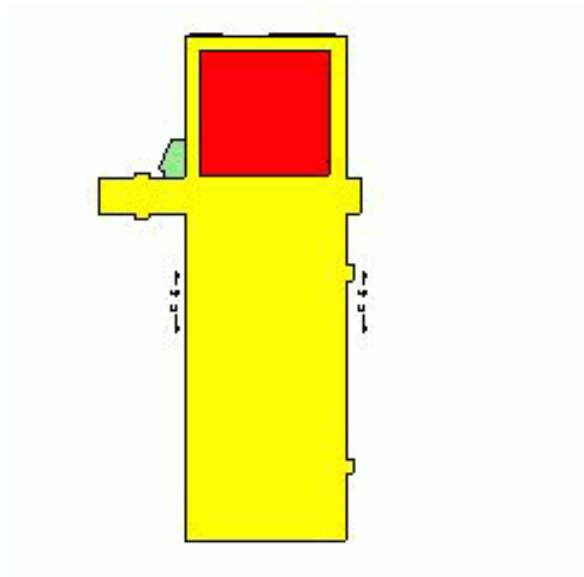
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Bellows Academic Center

**Contact Name:**

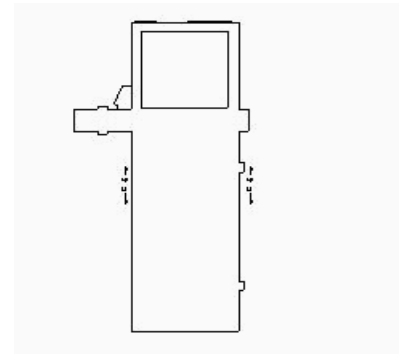
**Contact Telephone:**

**Contact Fax:**




**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A1, A2 E26075S0167 1989	54,200 sq. ft.	MnSCU Std. 4-Ply Asphalt	1 (Yrs)	\$1,029,800.00
	B E26075S0167 1989	17,500 sq. ft.	(EPDM-B) Ballasted Ethylene-Propylene-Diene-Monomer	0 (Yrs)	\$350,000.00
	C E26075S0167 2004	551 sq. ft.	4-Ply Built-up Asphalt Roofing	18 (Yrs)	\$19,836.00
<b>72,251</b>					<b>\$1,399,636.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A1, A2	2016	Repair	\$5,000
<p>Perform remedial maintenance as necessary until reroofing is accomplished.</p> <p>If reroofing is scheduled beyond 2017 recommend performing the following:</p> <p>Resurface ridges in membrane, remove all vegetation from the roof and trim overhanging trees, install new sealant where missing or deteriorated and replace suspected wet insulation.</p>			
A1, A2	2017	Replacement	\$1,248,000
<p>Section A1 replacement. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.</p>			
A1, A2	2017	Replacement	\$1,512,000
<p>Section A2 replacement. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.</p>			
B	2016	Replacement	\$800,000
<p>Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.</p>			
			<b>\$3,565,000</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A1, A2	2016	Repair	No	Expense	Low	\$5,000
A1, A2	2017	Replacement	No	Capital	Moderate	\$1,248,000
A1, A2	2017	Replacement	No	Capital	Moderate	\$1,512,000
B	2016	Replacement	No	Capital	High	\$800,000
						<b>\$3,565,000</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A1, A2	\$5,000	\$2,760,000	\$0	\$0	\$0
B	\$800,000	\$0	\$0	\$0	\$0

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	<b>\$805,000</b>	<b>\$2,760,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
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**FRRM#:** E26075S0167

**Roof Size:** 54,200 sq. ft.

**Est. Replacement Cost:** \$1,029,800.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1989

**Assessed Service Life Remaining (Years) :** 1

**Currently Leaking?** No

**Drainage and Leak Details:** Leaks have been reported beneath the sealant joint at the roof to wall transition.



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Perlite	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/ isocyanurate fillers	Hot asphalt
Insulation	1" Perlite	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt



### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	3	sq. ft.

ID#: 1      OBSERVED: 10/10/12

Blister that is watertight - no apparent damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	10	linear ft.

ID#: 2      OBSERVED: 10/10/12, 9/23/2015

Ridges exist with the roof membrane exposed

REPAIR: Install additional aggregate surfacing in hot asphalt over the ridge formation.

COMMENTS:



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #03	Monitor	200	sq. ft.

ID#: 3 OBSERVED: 10/10/12, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #04	Monitor	50	sq. ft.

ID#: 4 OBSERVED: 10/10/12, 9/23/2015

Surfacing loss with no membrane deterioration/damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #05	Monitor	30	sq. ft.

ID#: 5 OBSERVED: 10/09/13, 9/23/2015

Ponding exists

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #06	Repair	1	Ea.

ID#: 6 OBSERVED: 10/09/13, 9/23/2015

Debris/vegetation/foreign materials on roof

REPAIR: Remove debris/vegetation/foreign materials. Trim trees overhanging roof.

COMMENTS:



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #07	None	20	sq. ft.

ID #7 OBSERVED: 9/23/2015

Suspected wet insulation

REPAIR: Verify wet insulation with a core of the existing roof. Remove and replace wet materials.



Defect Type	Severity	Quantity	Unit
Defect #08	Repair	100	linear ft.

ID #8 OBSERVED: 9/23/2015

Missing/Deteriorated sealant

REPAIR: Install new sealant.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	Anomaly observed	Dry at anomaly location

Approximately 20 square feet of suspected wet insulation observed.

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall fair condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof is in fair condition and reportedly continues to perform at a level commensurate with it's age.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in fair condition.			

### Recommendations Details

Recommendations Details		
Budget Year	Activity Type	Quotation \$
2016	Repair	\$5,000
<p>Perform remedial maintenance as necessary until reroofing is accomplished.</p> <p>If reroofing is scheduled beyond 2017 recommend performing the following:</p> <p>Resurface ridges in membrane, remove all vegetation from the roof and trim overhanging trees, install new sealant where missing or deteriorated and replace suspected wet insulation.</p>		
2017	Replacement	\$1,248,000
<p>Section A1 replacement. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.</p>		
2017	Replacement	\$1,512,000
<p>Section A2 replacement. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.</p>		
		<b>\$2,765,000</b>

### Recommendation Summary

Recommendation Summary					
Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	Low	\$5,000
2017	Replacement	No	Capital	Moderate	\$1,248,000
2017	Replacement	No	Capital	Moderate	\$1,512,000
					<b>\$2,765,000</b>

**FRRM#:** E26075S0167

**Roof Size:** 17,500 sq. ft.

**Est. Replacement Cost:** \$350,000.00

**Existing System Type:** (EPDM-B) Ballasted  
Ethylene-Propylene-Diene-Monomer

**Year Installed:** 1989

**Assessed Service Life Remaining (Years) :** 0

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Vapor retarder	1 ply hot	Hot asphalt
Insulation	1" Perlite	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered isocyanurate	Loose laid
Insulation	Tapered extruded polystyrene	Loose laid
Membrane	60 mil unreinforced EPDM	Loose laid
Surfacing	Aggregate ballast	Loose laid



### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	90	Ea.

ID#: 1    OBSERVED: 10/10/12; 10/09/13, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Repair	1	Ea.

ID #2    OBSERVED: 9/23/2015

Open flashing seam

REPAIR: Install EPDM over open flashing seam.

COMMENTS:





### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #03	Repair	1	Ea.

ID #3 OBSERVED: 9/23/2015

Vegetation/Debris/Foreign Materials on Roof

REPAIR: Remove debris from roof.

COMMENTS:



### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall poor condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof is in overall poor condition but continues to maintain a watertight condition. Emergency repairs should be performed if needed prior to replacement.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof is in overall poor condition but reportedly continues to maintain a watertight condition. Emergency repairs should be performed if needed prior to replacement.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in poor condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Replacement	\$800,000
Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		<b>\$800,000</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Replacement	No	Capital	High	\$800,000
					<b>\$800,000</b>

**FRRM#:** E26075S0167

**Roof Size:** 551 sq. ft.

**Est. Replacement Cost:** \$19,836.00

**Existing System Type:** 4-Ply Built-up Asphalt Roofing

**Year Installed:** 2004

**Assessed Service Life Remaining (Years) :** 18

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Insulation	1" Rigid	Mechanically attached
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	2	linear ft.

ID #1 OBSERVED: 9/23/2015

Blistered Base Flashing

REPAIR: Monitor for possible future repair.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall excellent condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in excellent condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in excellent condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

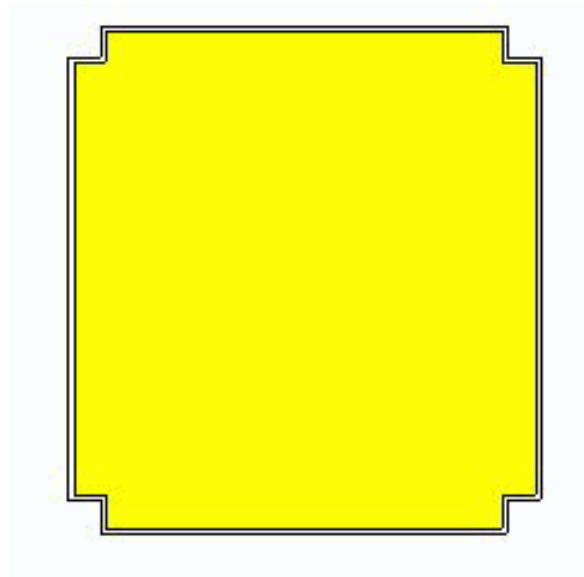
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Charter Hall

**Contact Name:**

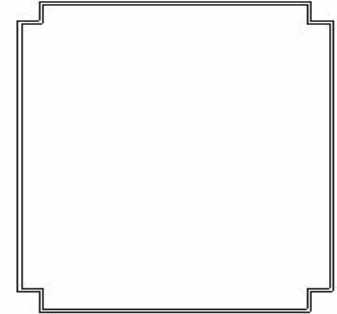
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S0670 1990	22,220 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$311,080.00
<b>22,220</b>					<b>\$311,080.00</b>

**FRRM#:** E26075S0670

**Roof Size:** 22,220 sq. ft.

**Est. Replacement Cost:** \$311,080.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	3 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt



### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	50	sq. ft.

ID#: 1    OBSERVED: 10/10/12, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

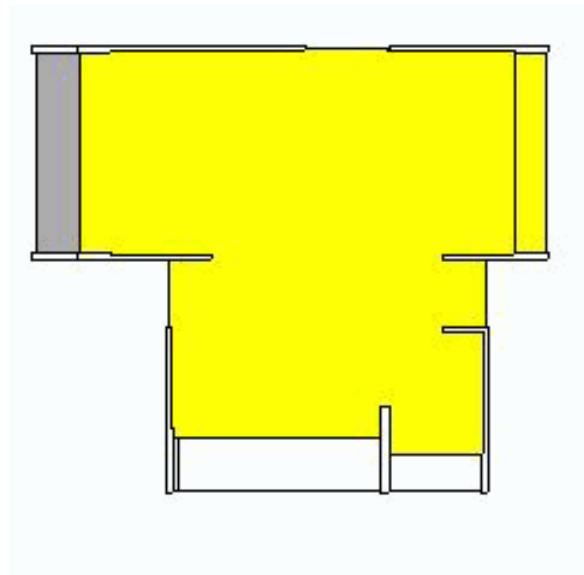
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Commons Central

**Contact Name:**

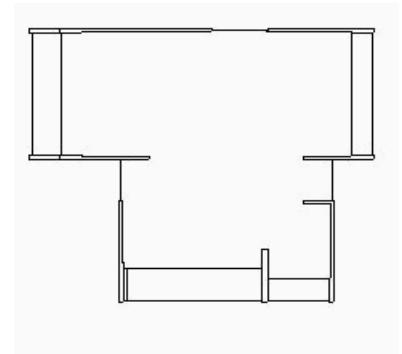
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5168 1993	2,675 sq. ft.	MnSCU Std. 4-Ply Asphalt	12 (Yrs)	\$37,450.00
	B E26075S5168 1993	180 sq. ft.	MnSCU Std. 4-Ply Asphalt	12 (Yrs)	\$2,520.00
	C Not Updated 1993	357 sq. ft.	Copper standing seam roof	7 (Yrs)	\$2,998.80
<b>3,212</b>					<b>\$42,968.80</b>

**FRRM#:** E26075S5168

**Roof Size:** 2,675 sq. ft.

**Est. Replacement Cost:** \$37,450.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1993

**Assessed Service Life Remaining (Years) :** 12

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5" fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	13	sq. ft.

ID#: 1 OBSERVED: 10/10/12, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	6	sq. ft.

ID#: 2 OBSERVED: 10/09/13, 9/23/2015

Surfacing loss with no membrane deterioration/damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			



**FRRM#:** E26075S5168

**Roof Size:** 180 sq. ft.

**Est. Replacement Cost:** \$2,520.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1993

**Assessed Service Life Remaining (Years) :** 12

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 357 sq. ft.

**Est. Replacement Cost:** \$2,998.80

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1993

**Assessed Service Life  
Remaining (Years) :** 7

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

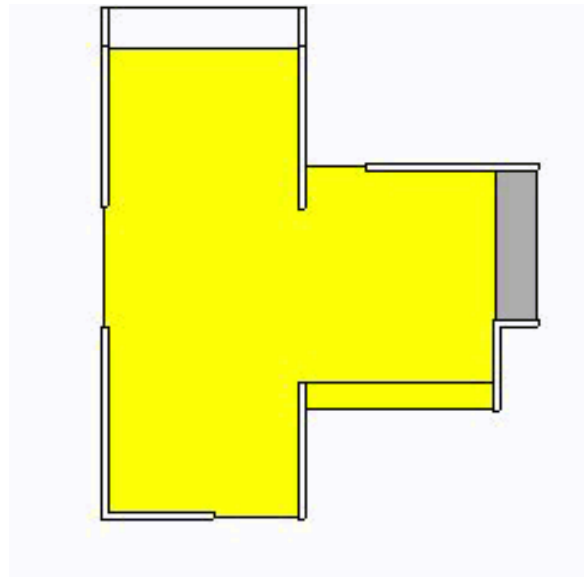
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Commons East

**Contact Name:**

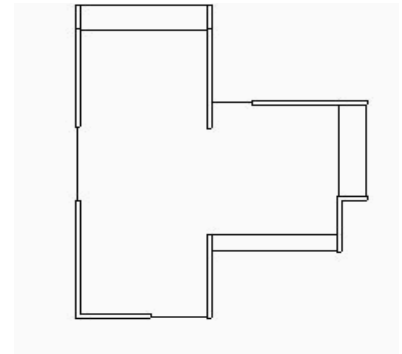
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5670 1993	3,583 sq. ft.	MnSCU Std. 4-Ply Asphalt	12 (Yrs)	\$50,162.00
	B E26075S5670 1993	144 sq. ft.	MnSCU Std. 4-Ply Asphalt	12 (Yrs)	\$2,016.00
	C Not Updated 1993	380 sq. ft.	Copper standing seam roof	7 (Yrs)	\$4,750.00
<b>4,107</b>					<b>\$56,928.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$300
Remove vegetation and trim overhanging trees.			
			<b>\$300</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	Moderate	\$300
						<b>\$300</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$300	\$0	\$0	\$0	\$0
	<b>\$300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**FRRM#:** E26075S5670

**Roof Size:** 3,583 sq. ft.

**Est. Replacement Cost:** \$50,162.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1993

**Assessed Service Life Remaining (Years) :** 12

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5" fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt



### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Repair	5	Ea.

ID#: 1      OBSERVED: 10/09/13, 9/23/2015

Debris/vegetation/foreign materials on roof

REPAIR: Remove leaves and trim overhanging trees.

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	5	sq. ft.

ID#: 2      OBSERVED: 10/09/13, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$300
Remove vegetation and trim overhanging trees.		
		<b>\$300</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	Moderate	\$300
					<b>\$300</b>

**FRRM#:** E26075S5670

**Roof Size:** 144 sq. ft.

**Est. Replacement Cost:** \$2,016.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1993

**Assessed Service Life Remaining (Years) :** 12

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	0.5" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 380 sq. ft.

**Est. Replacement Cost:** \$4,750.00

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1993

**Assessed Service Life  
Remaining (Years) :** 7

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

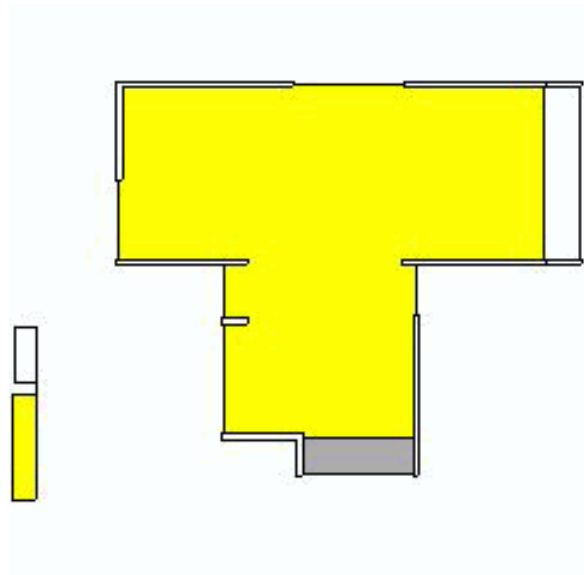
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Commons West

**Contact Name:**

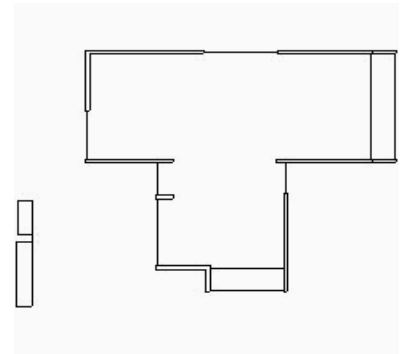
**Contact Telephone:**

**Contact Fax:**

**Date of Last Inspection:** Sep 23, 2015



**Type of building:** Revenue

**Type of Neighborhood:**





## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S6170 1993	3,067 sq. ft.	MnSCU Std. 4-Ply Asphalt	12 (Yrs)	\$42,938.00
	B E26075S6170 1993	123 sq. ft.	MnSCU Std. 4-Ply Asphalt	12 (Yrs)	\$1,722.00
	C Not Updated 1993	300 sq. ft.	Standing Seam Sheet Metal Roofing	7 (Yrs)	\$3,750.00
<b>3,490</b>					<b>\$48,410.00</b>

**FRRM#:** E26075S6170**Roof Size:** 3,067 sq. ft.**Est. Replacement Cost:** \$42,938.00**Existing System Type:** MnSCU Std. 4-Ply Asphalt**Year Installed:** 1993**Assessed Service Life  
Remaining (Years) :** 12**Currently Leaking?** No**Drainage and Leak  
Details:**

### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Perlite	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5" fiberglass	Hot asphalt
Insulation	1" Perlite	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	7	linear ft.

ID #1 OBSERVED: 9/23/2015

Blistered Base Flashing

REPAIR: Monitor for possible future repair.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S6170

**Roof Size:** 123 sq. ft.

**Est. Replacement Cost:** \$1,722.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1993

**Assessed Service Life Remaining (Years) :** 12

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 300 sq. ft.

**Est. Replacement Cost:** \$3,750.00

**Existing System Type:** Standing Seam Sheet Metal Roofing

**Year Installed:** 1993

**Assessed Service Life  
Remaining (Years) :** 7

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

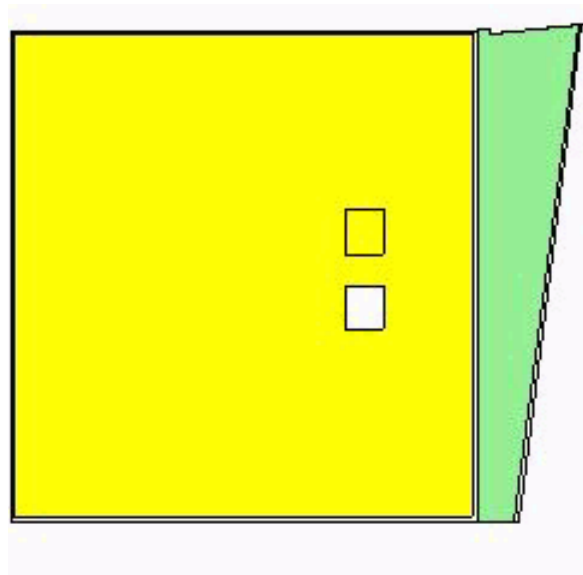
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**



**Facility:** Conference Center

**Contact Name:**

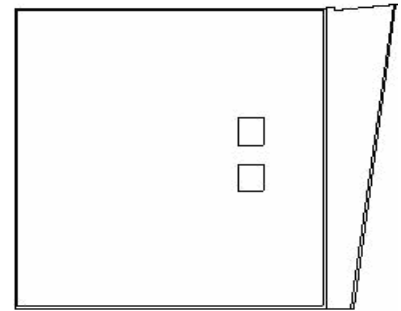
**Contact Telephone:**

**Contact Fax:**




**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5770 1996	14,391 sq. ft.	MnSCU Std. 4-Ply Asphalt	20 (Yrs)	\$201,474.00
	B E26075S5770 1996	220 sq. ft.	MnSCU Std. 4-Ply Asphalt	20 (Yrs)	\$3,080.00
	C E26075S5770 2004	3,435 sq. ft.	MnSCU Std. 4-Ply Asphalt	28 (Yrs)	\$48,090.00
<b>18,046</b>					<b>\$252,644.00</b>

**FRRM#:** E26075S5770

**Roof Size:** 14,391 sq. ft.

**Est. Replacement Cost:** \$201,474.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1996

**Assessed Service Life Remaining (Years) :** 20

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Perlite	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Perlite	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	6	linear ft.

ID#: 1    OBSERVED: 10/10/12, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall very good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof is in very good condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5770

**Roof Size:** 220 sq. ft.

**Est. Replacement Cost:** \$3,080.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1996

**Assessed Service Life Remaining (Years) :** 20

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Perlite	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall very good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof is in very good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof is in very good condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5770

**Roof Size:** 3,435 sq. ft.

**Est. Replacement Cost:** \$48,090.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 2004

**Assessed Service Life Remaining (Years) :** 28

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Insulation	1" Perlite	Mechanically attached
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Perlite	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed



**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall excellent condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof is in very good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in excellent condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

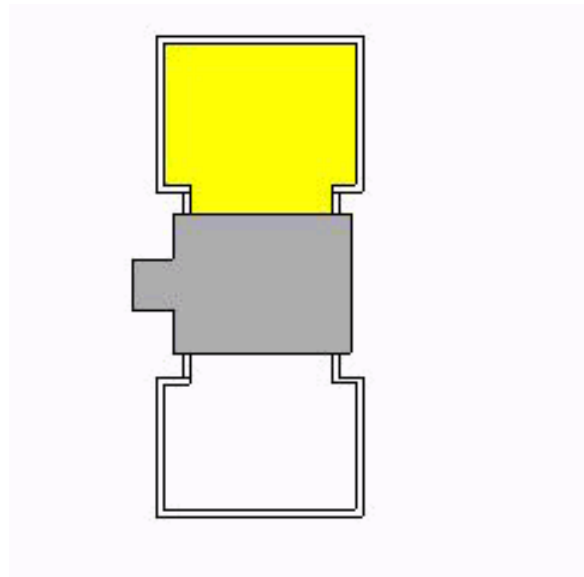
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Daycare Center

**Contact Name:**

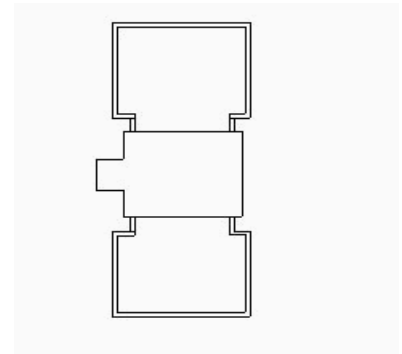
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S1590 2002	2,000 sq. ft.	MnSCU Std. 4-Ply Asphalt	26 (Yrs)	\$28,000.00
	B Not Updated 2002	900 sq. ft.	Copper standing seam roof	16 (Yrs)	\$7,560.00
<b>2,900</b>					<b>\$35,560.00</b>

**FRRM#:** E26075S1590

**Roof Size:** 2,000 sq. ft.

**Est. Replacement Cost:** \$28,000.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 2002

**Assessed Service Life Remaining (Years) :** 26

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Plywood	Unknown
Underlayment	Red rosin slip sheet	Nailed
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall very good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof is in very good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 900 sq. ft.

**Est. Replacement Cost:** \$7,560.00

**Existing System Type:** Copper standing seam roof

**Year Installed:** 2002

**Assessed Service Life  
Remaining (Years) :** 16

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

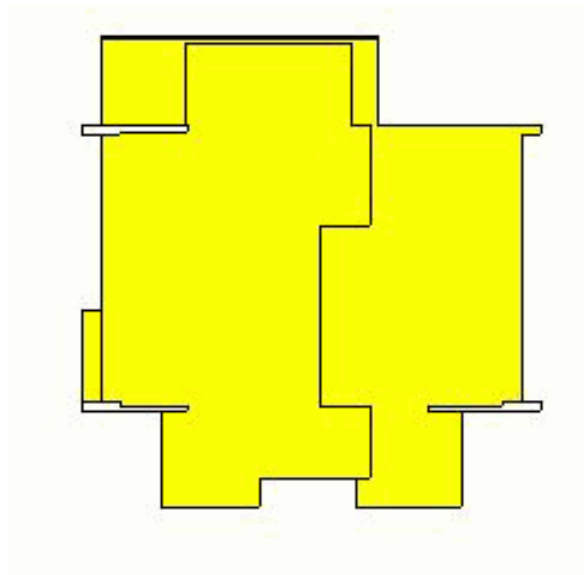
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**



**Facility:** Dorm G1 Manchester

**Contact Name:**

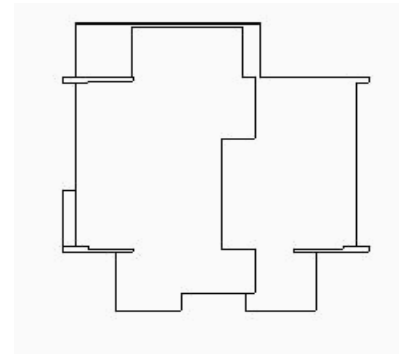
**Contact Telephone:**

**Contact Fax:**




**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5469 1992	1,750 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$24,500.00
	A1 E26075S5469 2002	1,220 sq. ft.	MnSCU Std. 4-Ply Asphalt	26 (Yrs)	\$17,080.00
	B E26075S5469 1992	30 sq. ft.	MnSCU Std. 4-Ply Asphalt	6 (Yrs)	\$420.00
<b>3,000</b>					<b>\$42,000.00</b>

**FRRM#:** E26075S5469

**Roof Size:** 1,750 sq. ft.

**Est. Replacement Cost:** \$24,500.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	6	sq. ft.

ID #1 OBSERVED: 9/23/2015

Erosion of aggregate surfacing

REPAIR: Monitor for possible future repair.

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	4	linear ft.

ID #2 OBSERVED: 9/23/2015

Blistered Base Flashing

REPAIR: Monitor for possible future repair.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5469

**Roof Size:** 1,220 sq. ft.

**Est. Replacement Cost:** \$17,080.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 2002

**Assessed Service Life Remaining (Years) :** 26

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Base Flashing	Monitor	6	Ea.

ID#: 1    OBSERVED: 10/10/12, 9/23/2015

Slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall very good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			



**FRRM#:** E26075S5469

**Roof Size:** 30 sq. ft.

**Est. Replacement Cost:** \$420.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 6

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

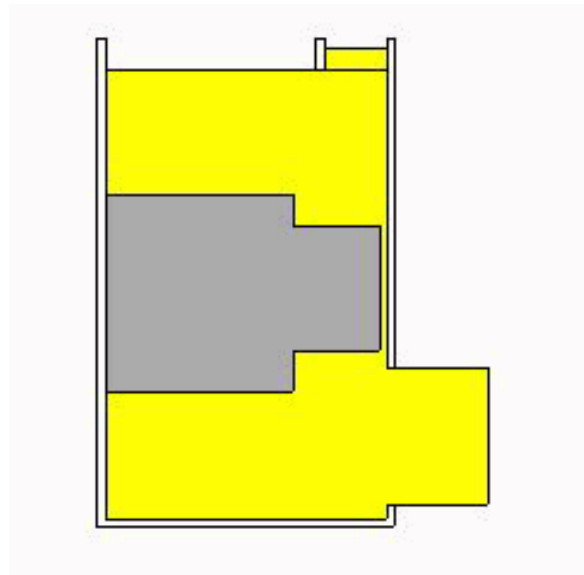
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm G2 Charisma

**Contact Name:**

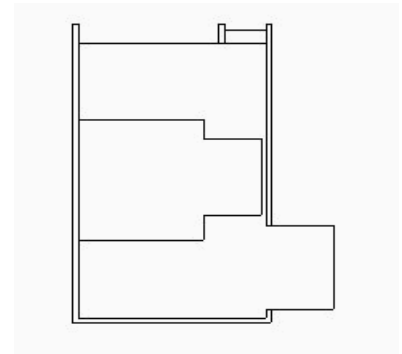
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5469 1991	1,520 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$21,280.00
	B E26075S5469 1991	25 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$350.00
	C Not Updated 1991	774 sq. ft.	Copper standing seam roof	5 (Yrs)	\$9,675.00
<b>2,319</b>					<b>\$31,305.00</b>

**FRRM#:** E26075S5469

**Roof Size:** 1,520 sq. ft.

**Est. Replacement Cost:** \$21,280.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5469

**Roof Size:** 25 sq. ft.

**Est. Replacement Cost:** \$350.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 774 sq. ft.

**Est. Replacement Cost:** \$9,675.00

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1991

**Assessed Service Life  
Remaining (Years) :** 5

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

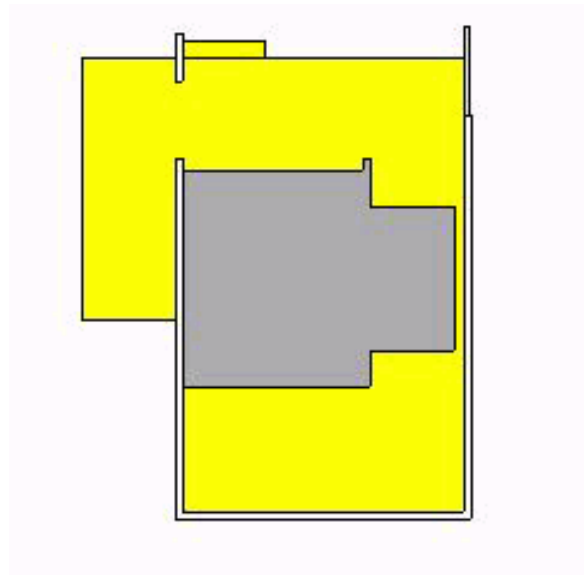
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm G3 Lincoln Center

**Contact Name:**

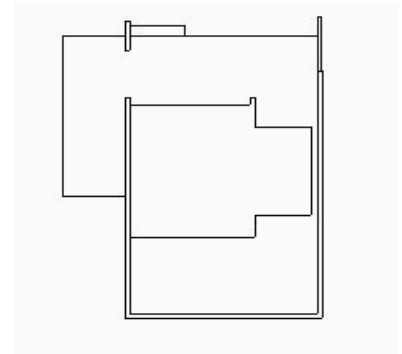
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5469 1989	1,700 sq. ft.	MnSCU Std. 4-Ply Asphalt	3 (Yrs)	\$61,200.00
	B Not Updated 1989	785 sq. ft.	Copper standing seam roof	3 (Yrs)	\$9,812.50
	C E26075S5469 1989	100 sq. ft.	MnSCU Std. 4-Ply Asphalt	3 (Yrs)	\$4,000.00
<b>2,585</b>					<b>\$75,012.50</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2019	Replacement	\$458,001
Budget cost estimate based on replacement of Sections A and C at the same time . Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
C	2019	Replacement	\$1
Budget cost estimate of \$458,000.00 is based on replacement of Sections A and C at the same time . Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
			<b>\$458,002</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2019	Replacement	No	Capital	Moderate	\$458,001
C	2019	Replacement	No	Capital	Moderate	\$1
						<b>\$458,002</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$0	\$0	\$0	\$458,001	\$0
C	\$0	\$0	\$0	\$1	\$0
			<b>\$0</b>	<b>\$458,002</b>	<b>\$0</b>

**FRRM#:** E26075S5469

**Roof Size:** 1,700 sq. ft.

**Est. Replacement Cost:** \$61,200.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1989

**Assessed Service Life Remaining (Years) :** 3

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	10	ft.

ID#: 1 OBSERVED: 10/10/12, 89/23/2015

Corroded/deteriorated/deformed/damaged metal

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	2	linear ft.

ID #2 OBSERVED: 9/23/2014

Blistered base flashing


REPAIR: Monitor for possible future repair.

COMMENTS:





### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #03	Monitor	8	sq. ft.
ID #3    OBSERVED: 9/23/2015  Erosion of Aggregate Surfacing  REPAIR: Monitor for possible future repair.  COMMENTS:			
			

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall fair condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof is in fair condition and reportedly continues to perform at a level commensurate with it's age.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof is in fair condition and reportedly continues to perform at a level commensurate with it's age.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in generally fair condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2019	Replacement	\$458,001
Budget cost estimate based on replacement of Sections A and C at the same time . Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		<b>\$458,001</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2019	Replacement	No	Capital	Moderate	\$458,001
					<b>\$458,001</b>

**FRRM#:** Not Updated

**Roof Size:** 785 sq. ft.

**Est. Replacement Cost:** \$9,812.50

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1989

**Assessed Service Life  
Remaining (Years) :** 3

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

**FRRM#:** E26075S5469

**Roof Size:** 100 sq. ft.

**Est. Replacement Cost:** \$4,000.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1989

**Assessed Service Life Remaining (Years) :** 3

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall fair condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof is in fair condition and reportedly continues to perform at a level commensurate with it's age.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof is in fair condition and reportedly continues to perform at a level commensurate with it's age.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in generally fair condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2019	Replacement	\$1
Budget cost estimate of \$458,000.00 is based on replacement of Sections A and C at the same time . Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		\$1

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2019	Replacement	No	Capital	Moderate	\$1
					\$1

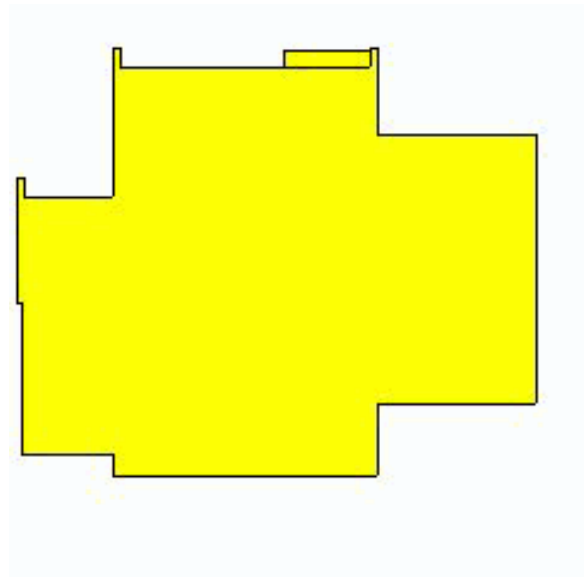
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm G4 Aquarius

**Contact Name:**

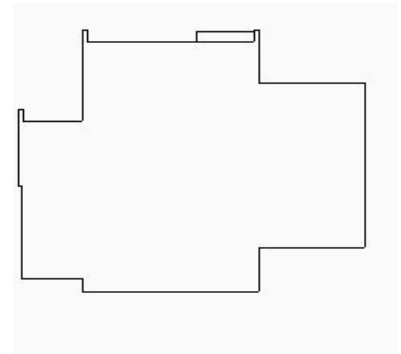
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5469 1994	3,407 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$47,698.00
	B E26075S5469 1994	30 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$420.00
<b>3,437</b>					<b>\$48,118.00</b>



**FRRM#:** E26075S5469

**Roof Size:** 3,407 sq. ft.

**Est. Replacement Cost:** \$47,698.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	4	linear ft.

ID#: 1    OBSERVED:10/10/2013, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	Wet at anomaly location	Dry at anomaly location
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5469

**Roof Size:** 30 sq. ft.

**Est. Replacement Cost:** \$420.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

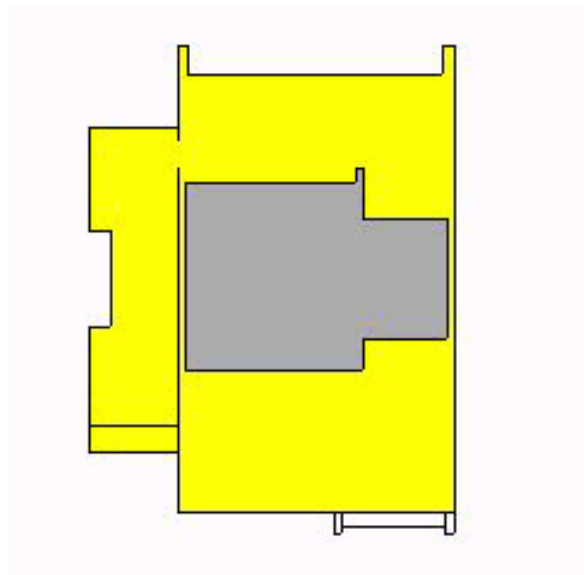
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm GM1 Homestead

**Contact Name:**

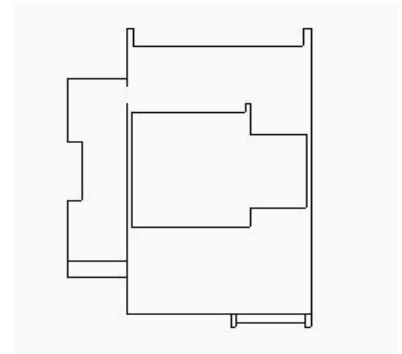
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5268 1991	1,687 sq. ft.	MnSCU Std. 4-Ply Asphalt	5 (Yrs)	\$23,618.00
	B E26075S5268 1991	60 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$840.00
	C Not Updated 1991	761 sq. ft.	Copper standing seam roof	5 (Yrs)	\$9,512.50
<b>2,508</b>					<b>\$33,970.50</b>



**FRRM#:** E26075S5268

**Roof Size:** 1,687 sq. ft.

**Est. Replacement Cost:** \$23,618.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 5

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5268

**Roof Size:** 60 sq. ft.

**Est. Replacement Cost:** \$840.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 761 sq. ft.

**Est. Replacement Cost:** \$9,512.50

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1991

**Assessed Service Life  
Remaining (Years) :** 5

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

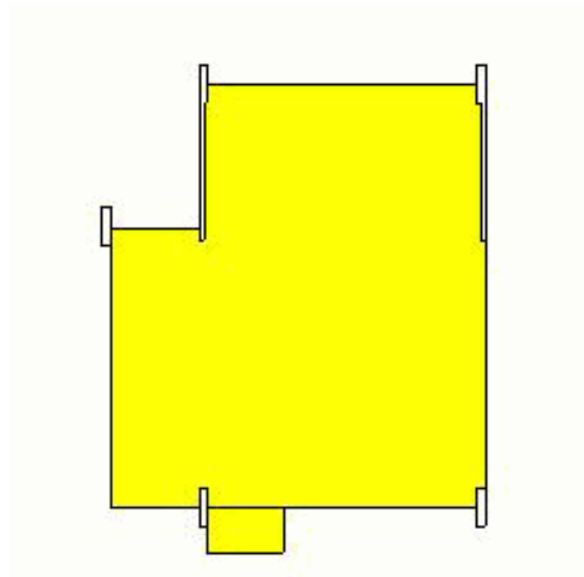
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm GM2 Armstrong

**Contact Name:**

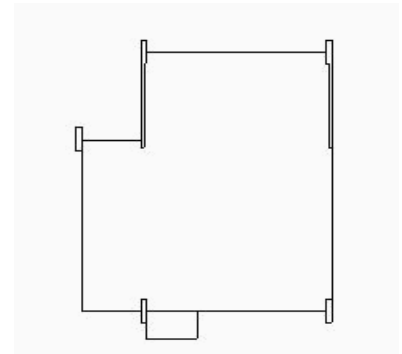
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5268 1992	2,467 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$34,538.00
	B E26075S5268 1992	60 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$840.00
<b>2,527</b>					<b>\$35,378.00</b>



**FRRM#:** E26075S5268

**Roof Size:** 2,467 sq. ft.

**Est. Replacement Cost:** \$34,538.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	2	sq. ft.

ID #2 OBSERVED: 9/23/2015

Erosion of Aggregate Surfacing

REPAIR: Monitor for possible future repair.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5268

**Roof Size:** 60 sq. ft.

**Est. Replacement Cost:** \$840.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

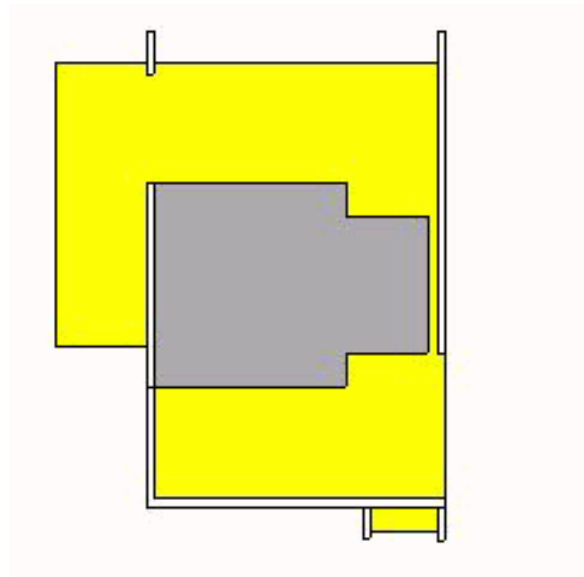
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm GM3 Shenandoah

**Contact Name:**

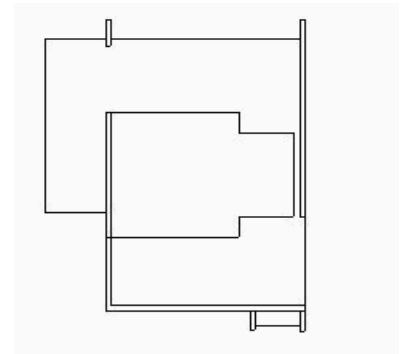
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5268 1991	1,500 sq. ft.	MnSCU Std. 4-Ply Asphalt	5 (Yrs)	\$21,000.00
	B E26075S5268 1991	24 sq. ft.	MnSCU Std. 4-Ply Asphalt	5 (Yrs)	\$336.00
	C Not Updated 1991	741 sq. ft.	Copper standing seam roof	5 (Yrs)	\$9,262.50
<b>2,265</b>					<b>\$30,598.50</b>



**FRRM#:** E26075S5268

**Roof Size:** 1,500 sq. ft.

**Est. Replacement Cost:** \$21,000.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 5

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	3	ft.
ID#: 1    OBSERVED: 10/09/13, 9/24/2105  Base flashing slippage, wrinkling, blistering or bridging  REPAIR: Monitor for repair need prior to reroofing  COMMENTS:			

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5268

**Roof Size:** 24 sq. ft.

**Est. Replacement Cost:** \$336.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 5

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 741 sq. ft.

**Est. Replacement Cost:** \$9,262.50

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1991

**Assessed Service Life  
Remaining (Years) :** 5

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

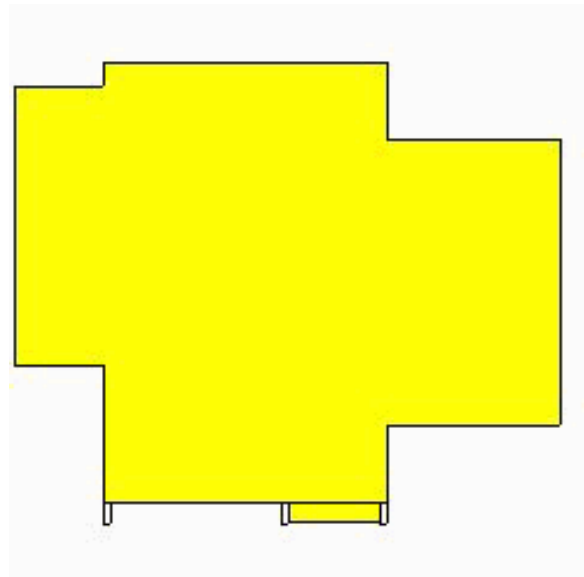
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm GM4 Ocean Blvd

**Contact Name:**

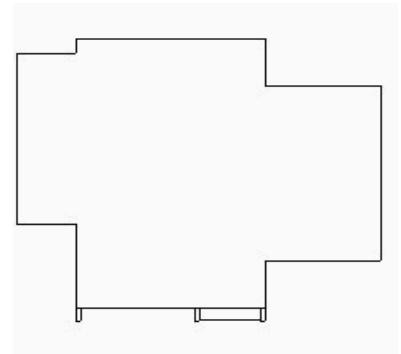
**Contact Telephone:**

**Contact Fax:**

**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5268 1994	3,489 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$48,846.00
	B E26075S5268 1994	34 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$476.00
<b>3,523</b>					<b>\$49,322.00</b>



**FRRM#:** E26075S5268

**Roof Size:** 3,489 sq. ft.

**Est. Replacement Cost:** \$48,846.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	20	sq. ft.

ID#: 2    OBSERVED: 10/09/13, 9/24/2015

Surfacing loss with no membrane deterioration/damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5268

**Roof Size:** 34 sq. ft.

**Est. Replacement Cost:** \$476.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

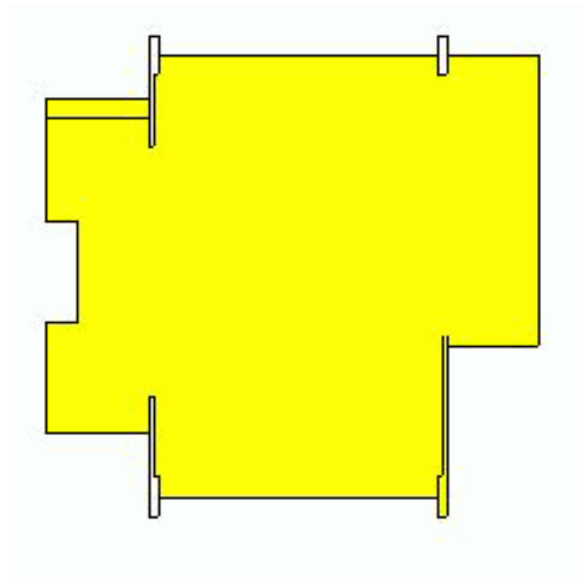
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm GW1 El Dorado

**Contact Name:**

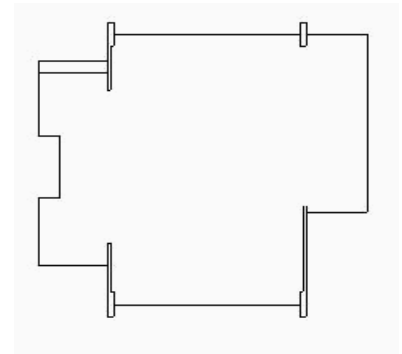
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5368 1992	2,970 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$41,580.00
	B E26075S5368 1992	20 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$280.00
<b>2,990</b>					<b>\$41,860.00</b>



**FRRM#:** E26075S5368

**Roof Size:** 2,970 sq. ft.

**Est. Replacement Cost:** \$41,580.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	20	sq. ft.

ID#: 2 OBSERVED: 10/09/13, 9/24/2015

Surfacing loss with no membrane deterioration/damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:

Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	4	linear ft.

ID #2 OBSERVED: 9/24/2015

Blistered Base Flashing

REPAIR: Monitor for possible future repair.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5368

**Roof Size:** 20 sq. ft.

**Est. Replacement Cost:** \$280.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

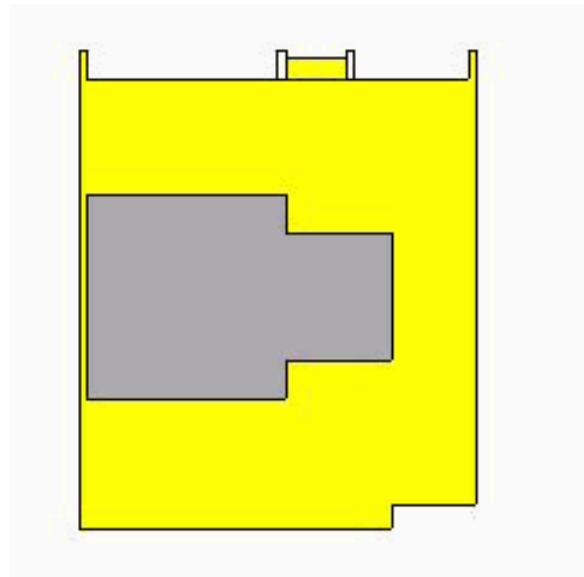
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm GW2 Kamasutra

**Contact Name:**

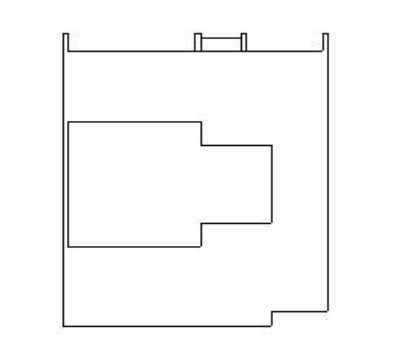
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5368 1991	1,934 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$27,076.00
	B E26075S5368 1991	25 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$350.00
	C Not Updated 1991	912 sq. ft.	Copper standing seam roof	5 (Yrs)	\$11,400.00
<b>2,871</b>					<b>\$38,826.00</b>



**FRRM#:** E26075S5368

**Roof Size:** 1,934 sq. ft.

**Est. Replacement Cost:** \$27,076.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	Unknown	1	Ea.

Vegetation cleaned from roof and sealant applied to sheet metal insert at time of inspection.



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5368

**Roof Size:** 25 sq. ft.

**Est. Replacement Cost:** \$350.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 912 sq. ft.

**Est. Replacement Cost:** \$11,400.00

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1991

**Assessed Service Life  
Remaining (Years) :** 5

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

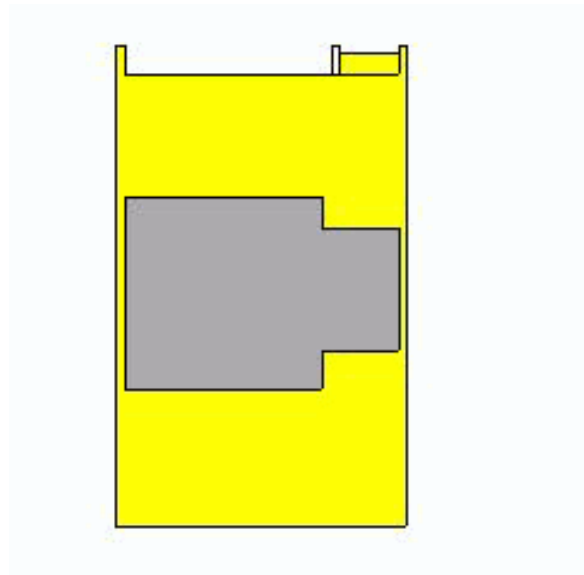
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm GW3 Sirius

**Contact Name:**

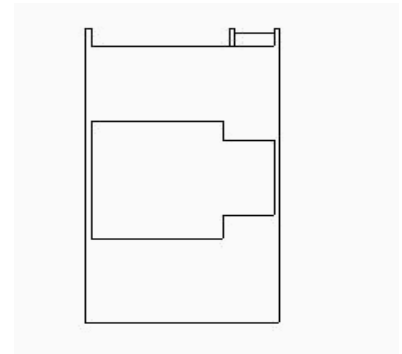
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5368 1991	1,300 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$18,200.00
	B E26075S5368 1991	24 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$336.00
	C Not Updated 1991	818 sq. ft.	Copper standing seam roof	5 (Yrs)	\$10,225.00
<b>2,142</b>					<b>\$28,761.00</b>



**FRRM#:** E26075S5368

**Roof Size:** 1,300 sq. ft.

**Est. Replacement Cost:** \$18,200.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	2	ft.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5368

**Roof Size:** 24 sq. ft.

**Est. Replacement Cost:** \$336.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 818 sq. ft.

**Est. Replacement Cost:** \$10,225.00

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1991

**Assessed Service Life  
Remaining (Years) :** 5

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

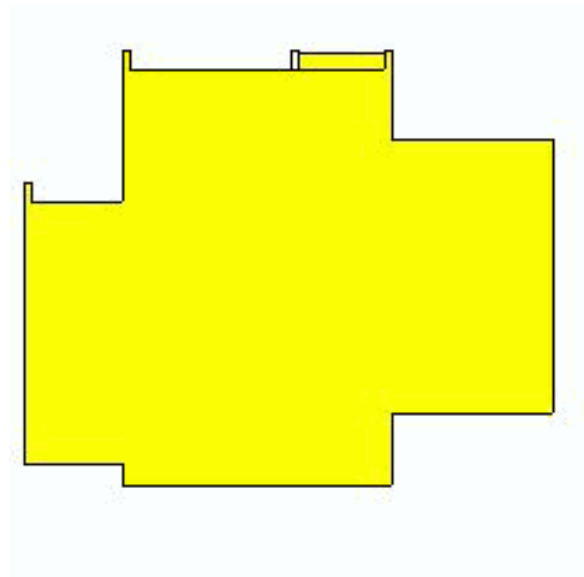
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm GW4 Titan

**Contact Name:**

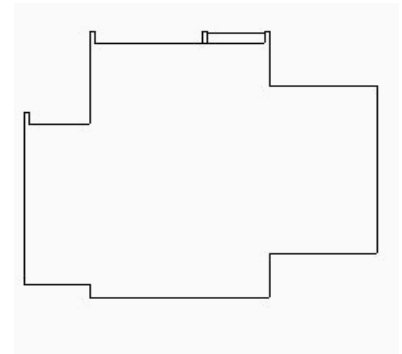
**Contact Telephone:**

**Contact Fax:**

**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**





### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5368 1994	3,394 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$47,516.00
	B E26075S5368 1994	27 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$378.00
<b>3,421</b>					<b>\$47,894.00</b>

**FRRM#:** E26075S5368

**Roof Size:** 3,394 sq. ft.

**Est. Replacement Cost:** \$47,516.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5368

**Roof Size:** 27 sq. ft.

**Est. Replacement Cost:** \$378.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

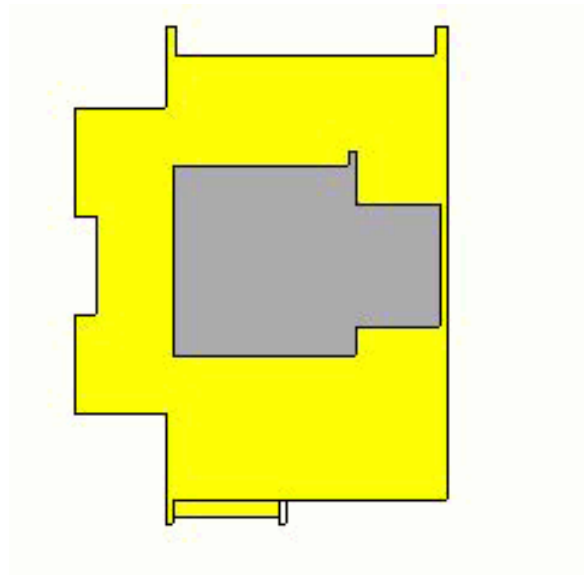
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HA1 Buckingham

**Contact Name:**

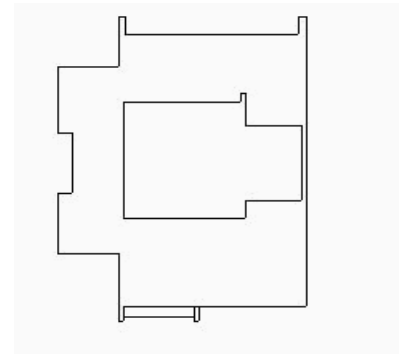
**Contact Telephone:**

**Contact Fax:**

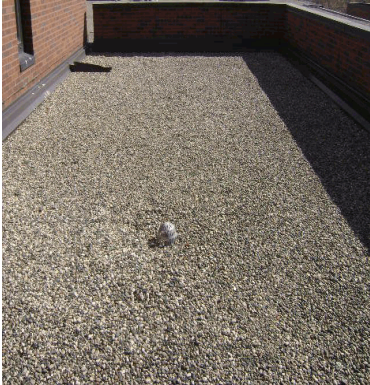

**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5770 1991	1,700 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$23,800.00
	B E26075S5770 1991	28 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$392.00
	C Not Updated 1993	776 sq. ft.	Copper standing seam roof	7 (Yrs)	\$9,700.00
<b>2,504</b>					<b>\$33,892.00</b>



**FRRM#:** E26075S5770

**Roof Size:** 1,700 sq. ft.

**Est. Replacement Cost:** \$23,800.00

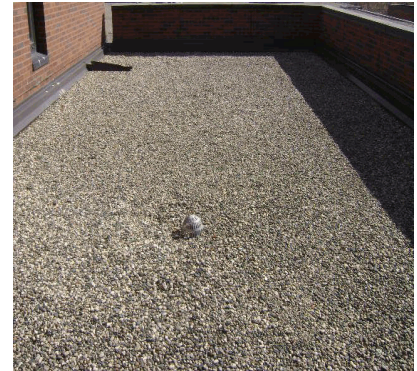
**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5770

**Roof Size:** 28 sq. ft.

**Est. Replacement Cost:** \$392.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 776 sq. ft.

**Est. Replacement Cost:** \$9,700.00

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1993

**Assessed Service Life  
Remaining (Years) :** 7

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

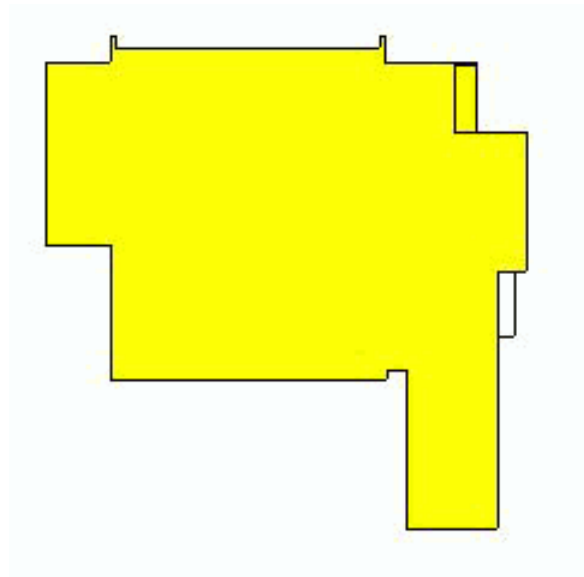
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HA2 Selene

**Contact Name:**

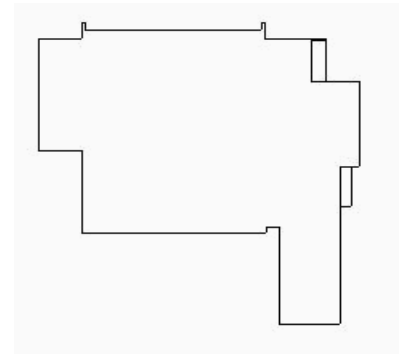
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5770 1994	4,860 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$68,040.00
	B E26075S5770 1994	86 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$1,204.00
<b>4,946</b>					<b>\$69,244.00</b>



**FRRM#:** E26075S5770

**Roof Size:** 4,860 sq. ft.

**Est. Replacement Cost:** \$68,040.00

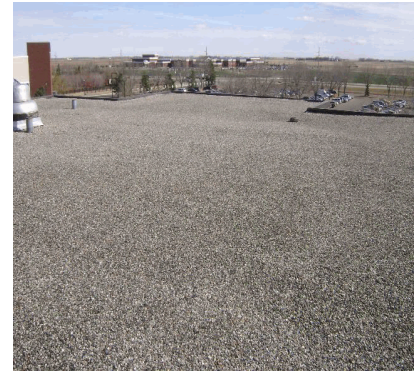
**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1.5" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5770

**Roof Size:** 86 sq. ft.

**Est. Replacement Cost:** \$1,204.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

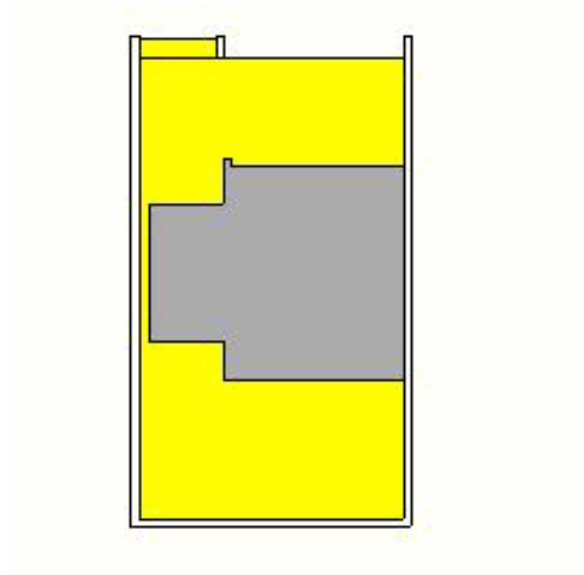
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HA3 Camaraderie

**Contact Name:**

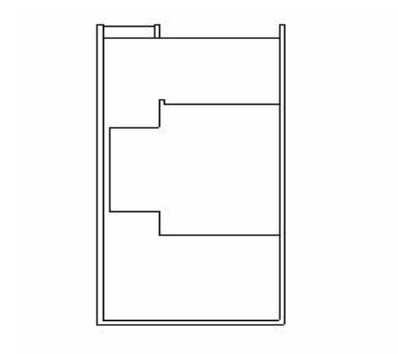
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5770 1989	1,210 sq. ft.	MnSCU Std. 4-Ply Asphalt	8 (Yrs)	\$16,940.00
	B Not Updated 1993	839 sq. ft.	Copper standing seam roof	7 (Yrs)	\$10,487.50
	C E26075S5770 1989	30 sq. ft.	MnSCU Std. 4-Ply Asphalt	8 (Yrs)	\$420.00
<b>2,079</b>					<b>\$27,847.50</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$1,000
Replace sealant joints at the interior surface of the parapet wall.			
			<b>\$1,000</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	Low	\$1,000
						<b>\$1,000</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$1,000	\$0	\$0	\$0	\$0
	<b>\$1,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**FRRM#:** E26075S5770

**Roof Size:** 1,210 sq. ft.

**Est. Replacement Cost:** \$16,940.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1989

**Assessed Service Life Remaining (Years) :** 8

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

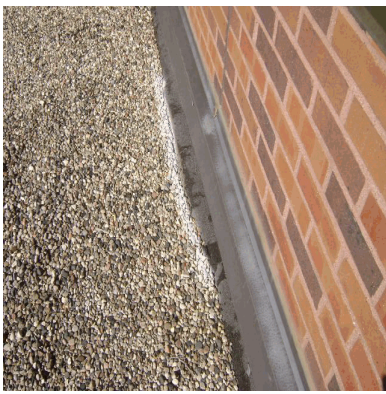
Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	13	ft.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Repair	40	linear ft.

ID #2 OBSERVED: 9/24/2015

Missing/Deteriorated Sealant

REPAIR: Replace sealant at the masonry joints on the interior of the parapet wall.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$1,000
Replace sealant joints at the interior surface of the parapet wall.		
		\$1,000

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	Low	\$1,000
					\$1,000

**FRRM#:** Not Updated

**Roof Size:** 839 sq. ft.

**Est. Replacement Cost:** \$10,487.50

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1993

**Assessed Service Life  
Remaining (Years) :** 7

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

**FRRM#:** E26075S5770

**Roof Size:** 30 sq. ft.

**Est. Replacement Cost:** \$420.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1989

**Assessed Service Life Remaining (Years) :** 8

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

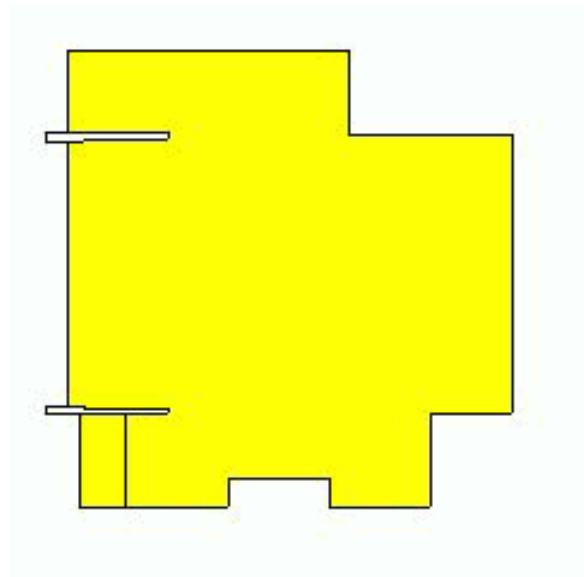
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HA4 Clapper

**Contact Name:**

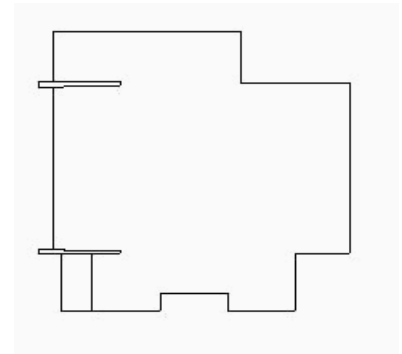
**Contact Telephone:**

**Contact Fax:**

**Date of Last Inspection:** Sep 24, 2015



**Type of building:** Revenue

**Type of Neighborhood:**





### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5770 1992	3,072 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$43,008.00
	B E26075S5770 1992	60 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$840.00
<b>3,132</b>					<b>\$43,848.00</b>

**FRRM#:** E26075S5770

**Roof Size:** 3,072 sq. ft.

**Est. Replacement Cost:** \$43,008.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5770

**Roof Size:** 60 sq. ft.

**Est. Replacement Cost:** \$840.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

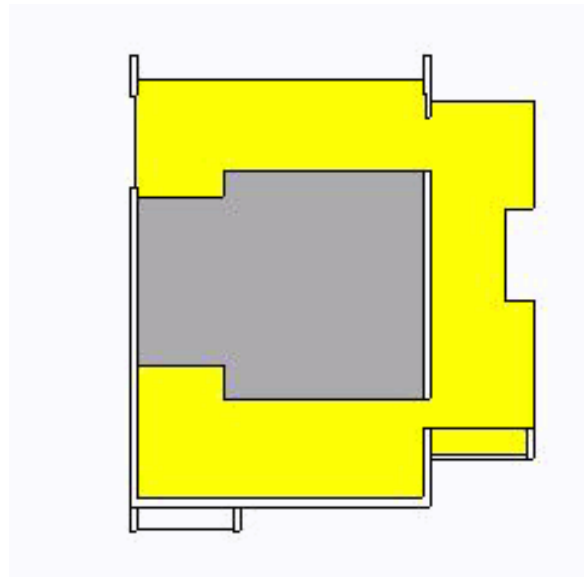
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HB1 Sybaris

**Contact Name:**

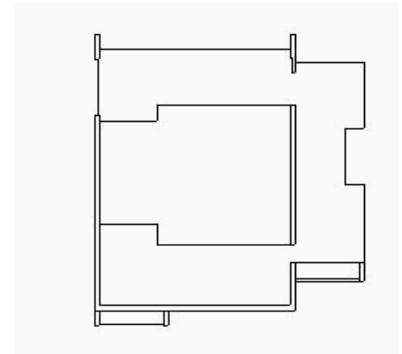
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S6070 1990	1,238 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$17,332.00
	B E26075S6070 1990	60 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$840.00
	C Not Updated 1993	806 sq. ft.	Copper standing seam roof	7 (Yrs)	\$10,075.00
<b>2,104</b>					<b>\$28,247.00</b>



**FRRM#:** E26075S6070

**Roof Size:** 1,238 sq. ft.

**Est. Replacement Cost:** \$17,332.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	1	ft.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



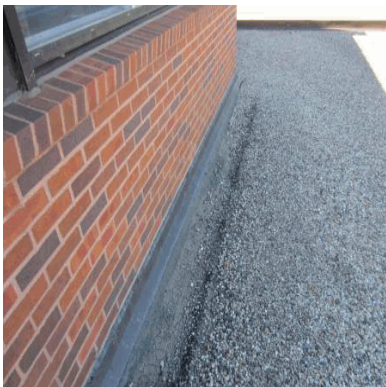
Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	10	linear ft.

ID #2 OBSERVED: 9/24/2015

Erosion of aggregate surfacing

REPAIR: Monitor for possible future repair

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S6070

**Roof Size:** 60 sq. ft.

**Est. Replacement Cost:** \$840.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 806 sq. ft.

**Est. Replacement Cost:** \$10,075.00

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1993

**Assessed Service Life  
Remaining (Years) :** 7

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

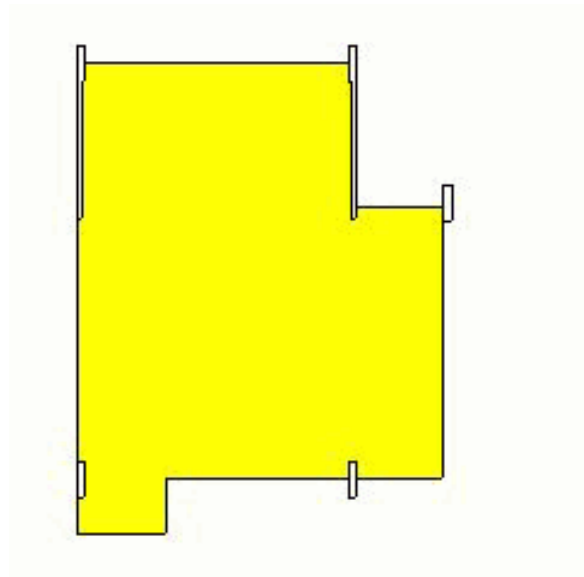
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HB2 Porter

**Contact Name:**

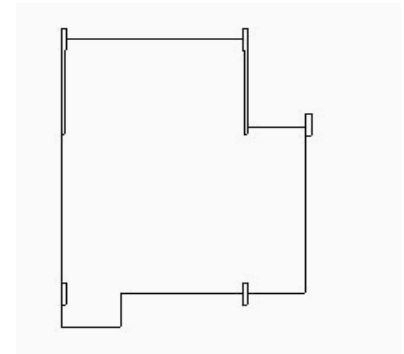
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S6070 1992	2,544 sq. ft.	MnSCU Std. 4-Ply Asphalt	6 (Yrs)	\$35,616.00
<b>2,544</b>					<b>\$35,616.00</b>



**FRRM#:** E26075S6070

**Roof Size:** 2,544 sq. ft.

**Est. Replacement Cost:** \$35,616.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 6

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

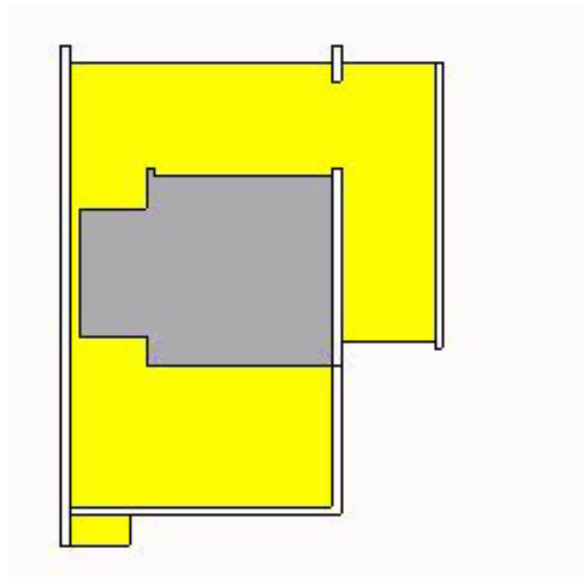
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HB3 Chez Nous

**Contact Name:**

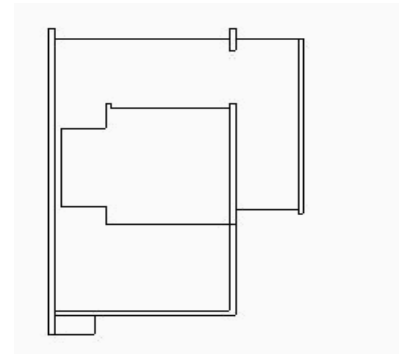
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S6070 1989	1,700 sq. ft.	MnSCU Std. 4-Ply Asphalt	3 (Yrs)	\$23,800.00
	B Not Updated 1993	623 sq. ft.	Copper standing seam roof	7 (Yrs)	\$7,787.50
	C E26075S6070 1989	28 sq. ft.	MnSCU Std. 4-Ply Asphalt	3 (Yrs)	\$392.00
<b>2,351</b>					<b>\$31,979.50</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2020	Replacement	\$23,800
C	2019	Replacement	\$3,500
			<b>\$27,300</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2020	Replacement	No	Capital	Low	\$23,800
C	2019	Replacement	No	Capital	Low	\$3,500
						<b>\$27,300</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$0	\$0	\$0	\$0	\$23,800
C	\$0	\$0	\$0	\$3,500	\$0
	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,500</b>	<b>\$23,800</b>

**FRRM#:** E26075S6070

**Roof Size:** 1,700 sq. ft.

**Est. Replacement Cost:** \$23,800.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1989

**Assessed Service Life Remaining (Years) :** 3

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Base Flashing	Monitor	2	Ea.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed



### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2020	Replacement	\$23,800
		<b>\$23,800</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2020	Replacement	No	Capital	Low	\$23,800
					<b>\$23,800</b>

**FRRM#:** Not Updated

**Roof Size:** 623 sq. ft.

**Est. Replacement Cost:** \$7,787.50

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1993

**Assessed Service Life  
Remaining (Years) :** 7

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

**FRRM#:** E26075S6070

**Roof Size:** 28 sq. ft.

**Est. Replacement Cost:** \$392.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1989

**Assessed Service Life Remaining (Years) :** 3

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2019	Replacement	\$3,500
		<b>\$3,500</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2019	Replacement	No	Capital	Low	\$3,500
					<b>\$3,500</b>



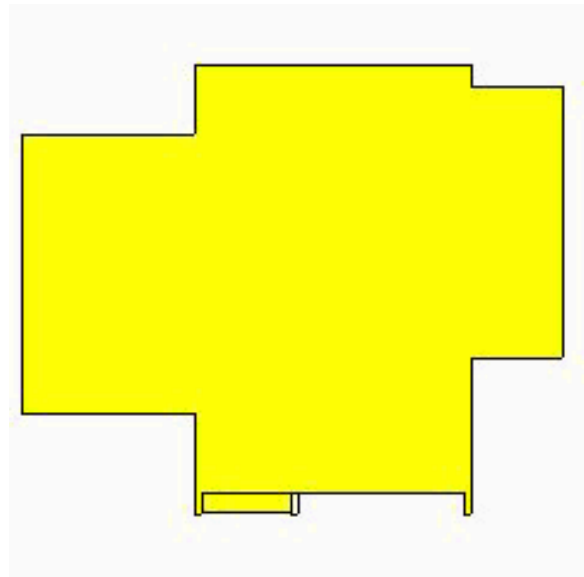
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HB4 Lakota

**Contact Name:**

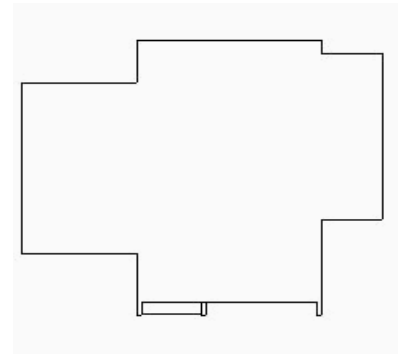
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S6070 1994	3,384 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$47,376.00
	B E26075S6070 1994	34 sq. ft.	MnSCU Std. 4-Ply Asphalt	13 (Yrs)	\$476.00
<b>3,418</b>					<b>\$47,852.00</b>



**FRRM#:** E26075S6070

**Roof Size:** 3,384 sq. ft.

**Est. Replacement Cost:** \$47,376.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S6070

**Roof Size:** 34 sq. ft.

**Est. Replacement Cost:** \$476.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1994

**Assessed Service Life Remaining (Years) :** 13

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	4.5" Fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
No defects	None	0	Ea.

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

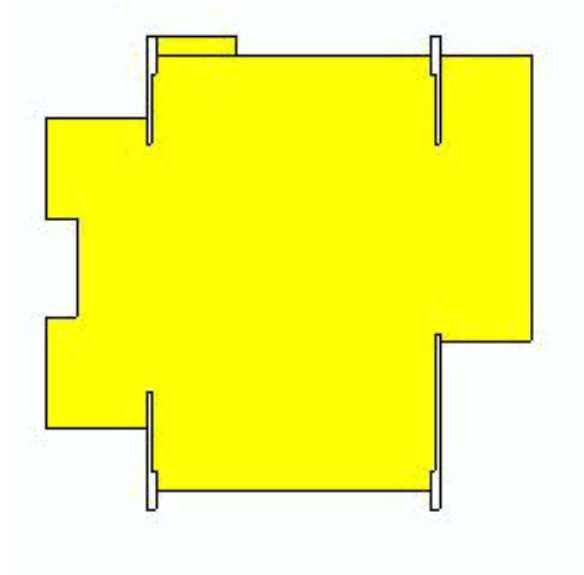
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HC1 Antipodes

**Contact Name:**

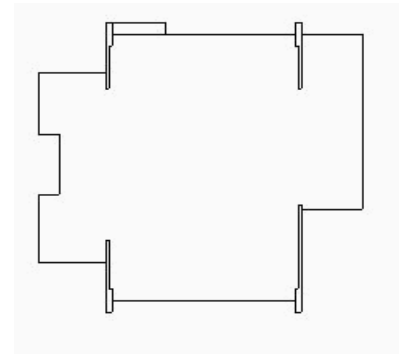
**Contact Telephone:**

**Contact Fax:**

**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5870 1992	2,970 sq. ft.	MnSCU Std. 4-Ply Asphalt	6 (Yrs)	\$41,580.00
	B E26075S5870 1992	30 sq. ft.	MnSCU Std. 4-Ply Asphalt	6 (Yrs)	\$420.00
<b>3,000</b>					<b>\$42,000.00</b>

**FRRM#:** E26075S5870

**Roof Size:** 2,970 sq. ft.

**Est. Replacement Cost:** \$41,580.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 6

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt



### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	10	sq. ft.

ID #1 OBSERVED: 9/24/2015

Erosion of Aggregate Surfacing

REPAIR: Monitor for possible future repair.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5870

**Roof Size:** 30 sq. ft.

**Est. Replacement Cost:** \$420.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 6

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

**Overall Roof Inspection Assessments**

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

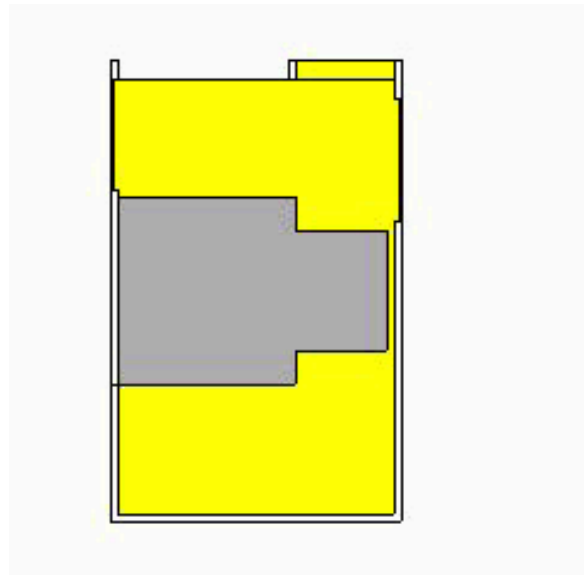
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 5113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HC2 Lhasa

**Contact Name:**

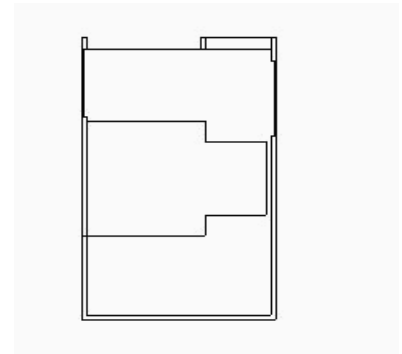
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5870 1990	1,200 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$16,800.00
	B E26075S5870 1990	27 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$378.00
	C Not Updated 1993	673 sq. ft.	Copper standing seam roof	7 (Yrs)	\$8,412.50
<b>1,900</b>					<b>\$25,590.50</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$2,500
Repair cracked masonry.			
			<b>\$2,500</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	Moderate	\$2,500
						<b>\$2,500</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$2,500	\$0	\$0	\$0	\$0
	<b>\$2,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**FRRM#:** E26075S5870

**Roof Size:** 1,200 sq. ft.

**Est. Replacement Cost:** \$16,800.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Window/wall/waterproofing	Repair	1	Ea.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Window/wall/waterproofing deficiency

REPAIR: Investigate and repair using appropriate procedures

COMMENTS: Cracks in mortar joints and bricks at corner



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$2,500
Repair cracked masonry.		
		<b>\$2,500</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	Moderate	\$2,500
					<b>\$2,500</b>

**FRRM#:** E26075S5870

**Roof Size:** 27 sq. ft.

**Est. Replacement Cost:** \$378.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated**Roof Size:** 673 sq. ft.**Est. Replacement Cost:** \$8,412.50**Existing System Type:** Copper standing seam roof**Year Installed:** 1993**Assessed Service Life  
Remaining (Years) :** 7**Currently Leaking?** Unknown**Drainage and Leak  
Details:**

### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

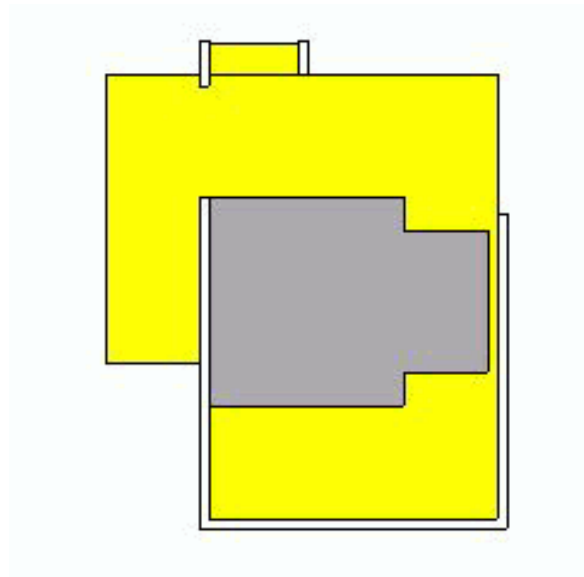
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HC3 Methodras

**Contact Name:**

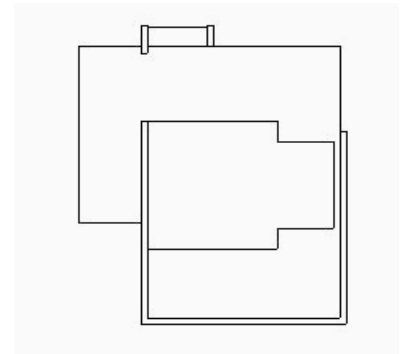
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5870 1990	1,430 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$20,020.00
	B E26075S5870 1990	35 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$490.00
	C Not Updated 1993	769 sq. ft.	Copper standing seam roof	7 (Yrs)	\$9,612.50
<b>2,234</b>					<b>\$30,122.50</b>



### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$5,000
Core the roof and verify wet insulation. Remove and replace wet insulation if present.			
			<b>\$5,000</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	High	\$5,000
						<b>\$5,000</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$5,000	\$0	\$0	\$0	\$0
	<b>\$5,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**FRRM#:** E26075S5870

**Roof Size:** 1,430 sq. ft.

**Est. Replacement Cost:** \$20,020.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Repair	500	sq. ft.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Wet insulation

REPAIR: Remove and replace all wet materials

COMMENTS: Approx. 500 sq.ft.



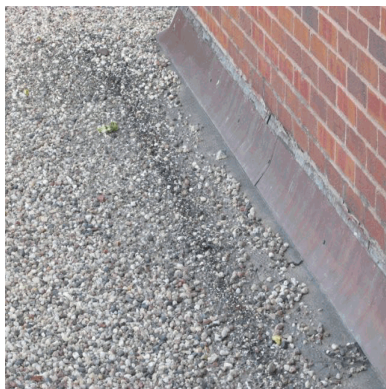
Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	20	sq. ft.

ID#: 2 OBSERVED: 10/09/13, 9/24/2015

Surfacing loss with no membrane deterioration/damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	Anomalies observed	N/A
Approximately 500 sq.ft.			
Oct 09, 2013	Infrared	Anomalies observed	N/A
Same anomaly as 2012.			
Oct 06, 2014	Infrared	Anomaly observed	Dry at anomaly location
Anomaly does not appear to have grown			
Sep 24, 2015	Infrared	Anomaly observed	Dry at anomaly location

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall fair condition because of the wet insulation present.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$5,000
Core the roof and verify wet insulation. Remove and replace wet insulation if present.		
		<b>\$5,000</b>

**Recommendation Summary**

<b>Budget Year</b>	<b>Activity Type</b>	<b>Action Item ?</b>	<b>Allocation</b>	<b>Urgency</b>	<b>Budget Amount</b>
2016	Repair	No	Expense	High	\$5,000
					<b>\$5,000</b>

**FRRM#:** E26075S5870

**Roof Size:** 35 sq. ft.

**Est. Replacement Cost:** \$490.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 12, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	Anomaly observed	Dry at anomaly location

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** Not Updated

**Roof Size:** 769 sq. ft.

**Est. Replacement Cost:** \$9,612.50

**Existing System Type:** Copper standing seam roof

**Year Installed:** 1993

**Assessed Service Life  
Remaining (Years) :** 7

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**



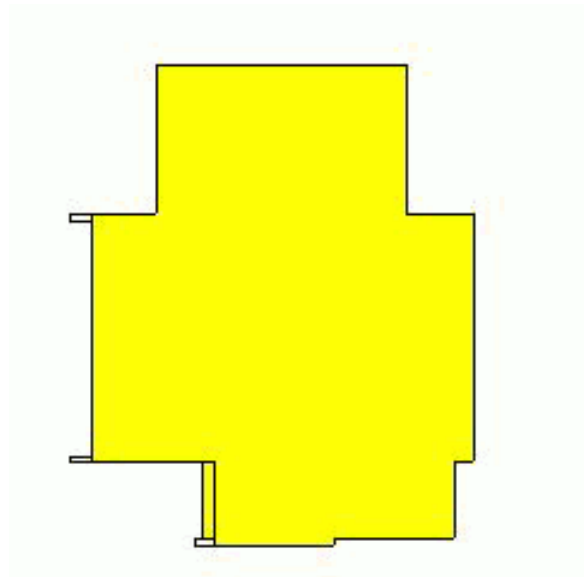
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Dorm HC4 Naoutha

**Contact Name:**

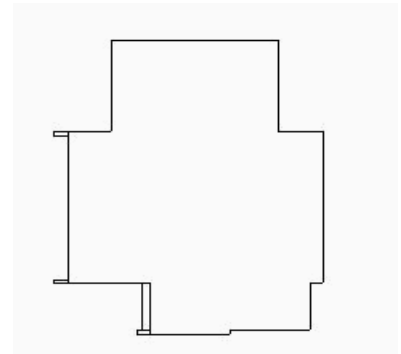
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S5870 1993	3,693 sq. ft.	MnSCU Std. 4-Ply Asphalt	12 (Yrs)	\$51,702.00
	B E26075S5870 1993	20 sq. ft.	MnSCU Std. 4-Ply Asphalt	12 (Yrs)	\$280.00
<b>3,713</b>					<b>\$51,982.00</b>

**FRRM#:** E26075S5870

**Roof Size:** 3,693 sq. ft.

**Est. Replacement Cost:** \$51,702.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1993

**Assessed Service Life Remaining (Years) :** 12

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	5.5" Fiberglass	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

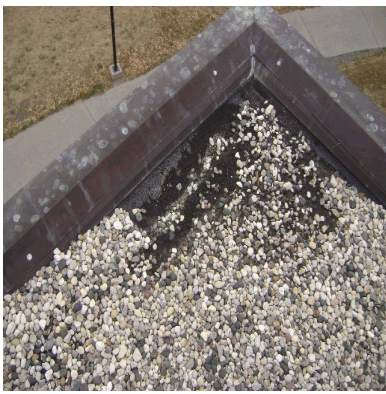
Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	2	ft.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



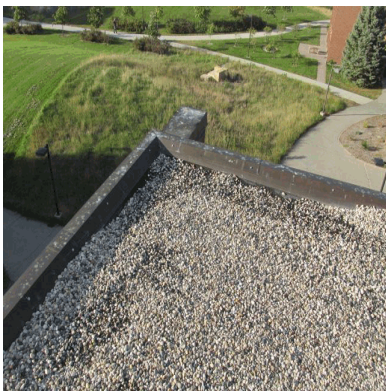
Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	15	sq. ft.

ID#: 2 OBSERVED: 10/09/13, 9/24/2015

Surfacing loss with no membrane deterioration/damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5870

**Roof Size:** 20 sq. ft.

**Est. Replacement Cost:** \$280.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1993

**Assessed Service Life Remaining (Years) :** 12

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	3" fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			



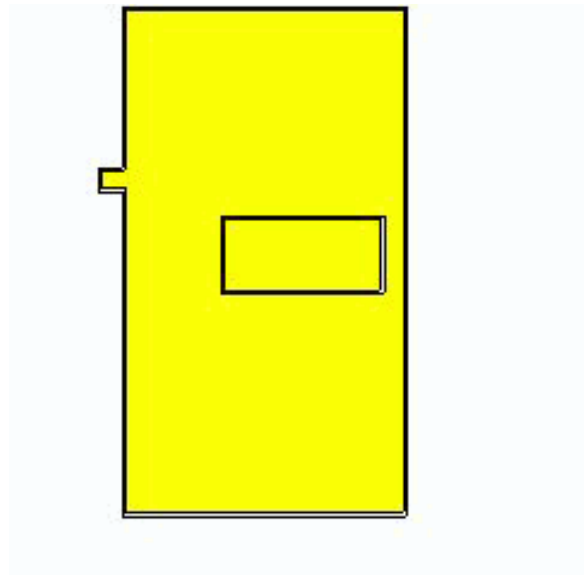
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Fine Arts

**Contact Name:**

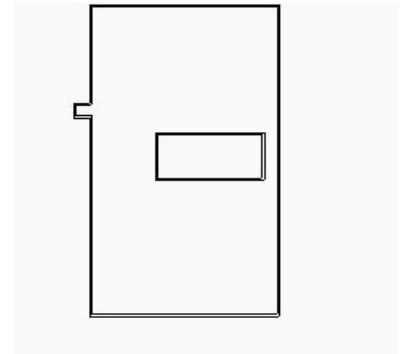
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A1, A2 E26075S0268 1988	34,000 sq. ft.	MnSCU Std. 4-Ply Asphalt	3 (Yrs)	\$671,160.00
	B1 E26075S0268 1988	3,100 sq. ft.	MnSCU Std. 4-Ply Asphalt	3 (Yrs)	\$63,550.00
	C Not Updated 1988	80 sq. ft.	Standing Seam Sheet Metal Roofing	2 (Yrs)	\$8,000.00
<b>37,180</b>					<b>\$742,710.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A1, A2	2016	Repair	\$500
Install sealant at storm collar and trim overhanging trees.			
A1, A2	2020	Replacement	\$621,001
A1/B1 replacement - cost estimate is based on replacement of Sections A1 and B1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
A1, A2	2020	Replacement	\$972,000
A2 replacement. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
B1	2020	Replacement	\$1
A1/B2 replacement - cost estimate of \$621,000.00 is based on replacement of Sections A1 and B1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
			<b>\$1,593,502</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A1, A2	2016	Repair	No	Expense	Low	\$500
A1, A2	2020	Replacement	No	Capital	Moderate	\$621,001
A1, A2	2020	Replacement	No	Capital	Moderate	\$972,000
B1	2020	Replacement	No	Capital	Moderate	\$1
						<b>\$1,593,502</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A1, A2	\$500	\$0	\$0	\$0	\$1,593,001
B1	\$0	\$0	\$0	\$0	\$1
	<b>\$500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,593,002</b>

**FRRM#:** E26075S0268

**Roof Size:** 34,000 sq. ft.

**Est. Replacement Cost:** \$671,160.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1988

**Assessed Service Life Remaining (Years) :** 3

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Precast concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered isocyanurate	Hot asphalt
Insulation	Tapered rigid w/ isocyanurate fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	100	linear ft.

ID#: 1    OBSERVED: 10/10/12; 10/13, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	35	sq. ft.

ID#: 2    OBSERVED: 10/09/13, 9/23/2015

Surfacing loss with no membrane deterioration/damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #03	Repair	3	linear ft.

ID#: 3 OBSERVED: 10/09/13, 9/23/2015

Top of sleeve or storm collar is open or missing

REPAIR: Reseal or replace as necessary

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #04	Repair	2	Ea.

ID #4 OBSERVED: 9/23/2015

Vegetation/Debris/Foreign Materials on Roof

REPAIR: Remove vegetation and trim overhanging trees.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall fair condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof is in fair condition and reportedly continues to perform at a level commensurate with it's age.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in generally fair condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$500
Install sealant at storm collar and trim overhanging trees.		
2020	Replacement	\$621,001
A1/B1 replacement - cost estimate is based on replacement of Sections A1 and B1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
2020	Replacement	\$972,000
A2 replacement. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		<b>\$1,593,501</b>



**Recommendation Summary**

<b>Budget Year</b>	<b>Activity Type</b>	<b>Action Item ?</b>	<b>Allocation</b>	<b>Urgency</b>	<b>Budget Amount</b>
2016	Repair	No	Expense	Low	\$500
2020	Replacement	No	Capital	Moderate	\$621,001
2020	Replacement	No	Capital	Moderate	\$972,000
					<b>\$1,593,501</b>

**FRRM#:** E26075S0268

**Roof Size:** 3,100 sq. ft.

**Est. Replacement Cost:** \$63,550.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1988

**Assessed Service Life Remaining (Years) :** 3

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Insulation	1" Rigid	Mechanically attached
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	1	linear ft.

ID #1 OBSERVED: 9/23/2015

Blistered Base Flashing

REPAIR: Monitor for possible future repair.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall fair condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof is in fair condition and reportedly continues to perform at a level commensurate with it's age.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in generally fair condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2020	Replacement	\$1
A1/B2 replacement - cost estimate of \$621,000.00 is based on replacement of Sections A1 and B1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		\$1

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2020	Replacement	No	Capital	Moderate	\$1
					\$1

**FRRM#:** Not Updated

**Roof Size:** 80 sq. ft.

**Est. Replacement Cost:** \$8,000.00

**Existing System Type:** Standing Seam Sheet Metal Roofing

**Year Installed:** 1988

**Assessed Service Life  
Remaining (Years) :** 2

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

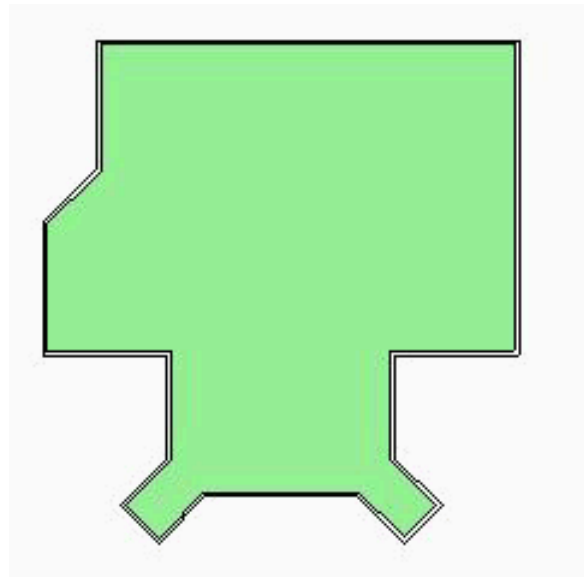
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Founders Hall

**Contact Name:**

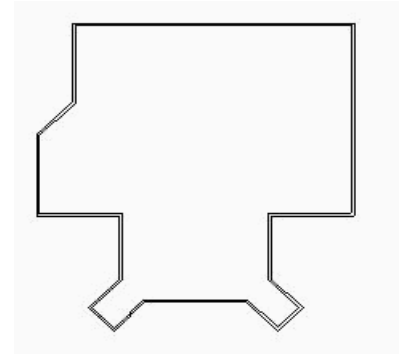
**Contact Telephone:**

**Contact Fax:**

**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S1073 2012	9,500 sq. ft.	MnSCU Std. 4-Ply Asphalt	36 (Yrs)	\$133,000.00
<b>9,500</b>					<b>\$133,000.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$300
Replace damaged drain strainer.			
			<b>\$300</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	Low	\$300
						<b>\$300</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$300	\$0	\$0	\$0	\$0
	<b>\$300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**FRRM#:** E26075S1073

**Roof Size:** 9,500 sq. ft.

**Est. Replacement Cost:** \$133,000.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 2012

**Assessed Service Life Remaining (Years) :** 36

**Currently Leaking?** No


**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Insulation	1" Rigid	Mechanically attached
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/ isocyanurate fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Repair	1	Ea.
<p>ID #1    OBSERVED: 9/23/2015</p> <p>Broken Drain Screen</p> <p>REPAIR: Replace broken drain screen.</p> <p>COMMENTS:</p>			
			

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall excellent condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in excellent condition and reportedly continues to perform as intended. Perimeter parapet cap has some minor hail damage throughout.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in excellent condition and reportedly continues to perform as intended.			
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$300
Replace damaged drain strainer.		
		<b>\$300</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	Low	\$300
					<b>\$300</b>

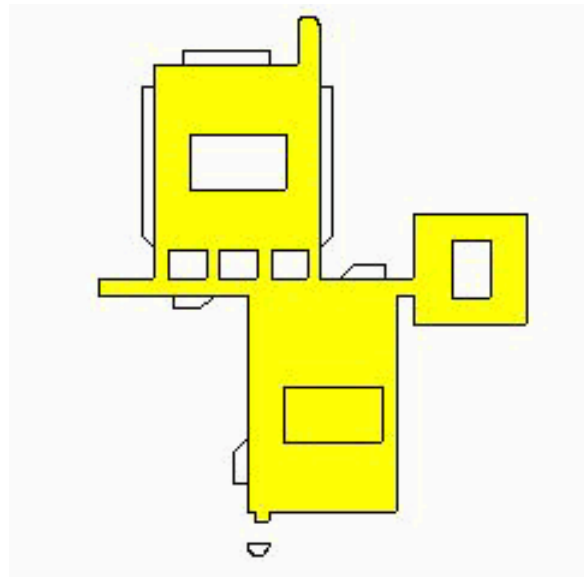
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Individualized Learning Center

**Contact Name:**

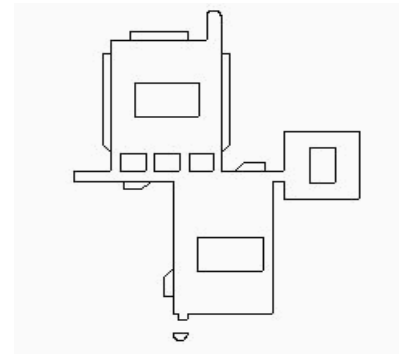
**Contact Telephone:**

**Contact Fax:**



**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



## Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A1, A2, A3 E26075S0872 1988	29,300 sq. ft.	(EPDM-B) Ballasted Ethylene-Propyl ene-Diene-Mon omer	3 (Yrs)	\$600,650.00
	B1, B2, B3 E26075S0872 1988	5,200 sq. ft.	(EPDM-B) Ballasted Ethylene-Propyl ene-Diene-Mon omer	2 (Yrs)	\$106,600.00
	C1, C2 Not Updated 1988	400 sq. ft.	Standing Seam Sheet Metal Roofing	8 (Yrs)	\$28,000.00

**Roof Section List Continued...**

<b>Photo</b>	<b>Section / FRRM# / Year Installed</b>	<b>Size</b>	<b>Roof Type</b>	<b>Assessed Service Life Remaining</b>	<b>Estimated Replacement Value</b>
	D Not Updated 2010	2,200 sq. ft.	Standing Seam Sheet Metal Roofing	24 (Yrs)	\$44,000.00
<b>37,100</b>					<b>\$779,250.00</b>

## Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A1, A2, A3	2016	Repair	\$50
Repair open flashing seams.			
A1, A2, A3	2018	Replacement	\$505,001
A2/B2/C2 replacement - cost estimate is based on replacement of Sections A2, B2 and C2 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
A1, A2, A3	2019	Replacement	\$549,001
A1/B1/C1 replacement - budget cost estimate is based on replacement of Sections A1, B1 and C1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
A1, A2, A3	2019	Replacement	\$608,001
A3/B3 replacement - cost estimate is based on replacement of Sections A3 and B3 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
B1, B2, B3	2018	Replacement	\$1
A1/B1/C1 replacement - cost estimate of \$549,000.00 is based on replacement of Sections A1, B1 and C1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
B1, B2, B3	2018	Replacement	\$1
A2/B2/C2 replacement - cost estimate of \$505,000.00 is based on replacement of Sections A2, B2 and C2 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
B1, B2, B3	2018	Replacement	\$1
A3/B3 replacement - cost estimate of \$608,000.00 is based on replacement of Sections A3 and B3 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
C1, C2	2018	Replacement	\$1
A1/B1/C1 replacement - budget cost estimate of \$549,000.00 is based on replacement of Sections A1, B1 and C1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			



**Recommendation Details Continued...**

Section ID	Budget Year	Activity Type	Budget Amount
C1, C2	2018	Replacement	\$1
A2/B2/C2 replacement - cost estimate of \$505,000.00 is based on replacement of Sections A2, B2 and C2 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
			<b>\$1,662,058</b>

**Recommendation Summary**

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A1, A2, A3	2016	Repair	No	Expense	Moderate	\$50
A1, A2, A3	2018	Replacement	No	Capital	Moderate	\$505,001
A1, A2, A3	2019	Replacement	No	Capital	Moderate	\$549,001
A1, A2, A3	2019	Replacement	No	Capital	Moderate	\$608,001
B1, B2, B3	2018	Replacement	No	Capital	Moderate	\$1
B1, B2, B3	2018	Replacement	No	Capital	Moderate	\$1
B1, B2, B3	2018	Replacement	No	Capital	Moderate	\$1
C1, C2	2018	Replacement	No	Capital	Moderate	\$1
C1, C2	2018	Replacement	No	Capital	Moderate	\$1
						<b>\$1,662,058</b>

**Total Budgets - 5 Years**

Section ID	2016	2017	2018	2019	2020
A1, A2, A3	\$50	\$0	\$505,001	\$1,157,002	\$0
B1, B2, B3	\$0	\$0	\$3	\$0	\$0
C1, C2	\$0	\$0	\$2	\$0	\$0
	<b>\$50</b>	<b>\$0</b>	<b>\$505,006</b>	<b>\$1,157,002</b>	<b>\$0</b>

**FRRM#:** E26075S0872

**Roof Size:** 29,300 sq. ft.

**Est. Replacement Cost:** \$600,650.00

**Existing System Type:** (EPDM-B) Ballasted  
 Ethylene-Propylene-Diene-Monomer

**Year Installed:** 1988

**Assessed Service Life Remaining (Years) :** 3

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	1.5" Polyisocyanurate	Loose laid
Insulation	Tapered isocyanurate	Loose laid
Membrane	60 mil unreinforced EPDM	Loose laid
Surfacing	Aggregate ballast	Loose laid

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	80	linear ft.

ID#: 1    OBSERVED: 10/10/12, 9/23/2015

Base Flashing - Slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS: Appears to have increased in severity since previous inspection.



Defect Type	Severity	Quantity	Unit
Defect #02	Repair	4	linear ft.

ID #2    OBSERVED: 9/23/2015

Open Flashing Seam

REPAIR: Cover opening with new EPDM membrane.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
<p>Roof would be considered in overall poor condition. Ballasted EPDM roofs have a generally accepted service life of approximately 15-20 years. After that period of time, their overall condition typically begins to decline more rapidly and they become increasingly susceptible to deficiencies that can lead to catastrophic failure. This roof section has reached that stage with relatively few defects noted and could possibly provide up to 5 years additional service life. However, it must be noted that significant problems could manifest themselves over a short period of time, leading to the necessity for expedited replacement. Monitoring the roof closely can help to make early detection of problems possible, helping to maximize service life. Emergency repairs should be performed as needed until replacement takes place.</p>			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
<p>Ballasted EPDM roofs have a generally accepted service life of approximately 15-20 years. After that period of time, their overall condition typically begins to decline more rapidly and they become increasingly susceptible to deficiencies that can lead to catastrophic failure. This roof section has reached that stage with relatively few defects noted and could possibly provide up to 5 years additional service life. However, it must be noted that significant problems could manifest themselves over a short period of time, leading to the necessity for expedited replacement. Monitoring the roof closely can help to make early detection of problems possible, helping to maximize service life. Emergency repairs should be performed as needed until replacement takes place.</p>			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in fair to poor condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$50
Repair open flashing seams.		
2018	Replacement	\$505,001
A2/B2/C2 replacement - cost estimate is based on replacement of Sections A2, B2 and C2 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
2019	Replacement	\$549,001
A1/B1/C1 replacement - budget cost estimate is based on replacement of Sections A 1, B1 and C1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
2019	Replacement	\$608,001
A3/B3 replacement - cost estimate is based on replacement of Sections A3 and B3 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		<b>\$1,662,053</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	Moderate	\$50
2018	Replacement	No	Capital	Moderate	\$505,001
2019	Replacement	No	Capital	Moderate	\$549,001
2019	Replacement	No	Capital	Moderate	\$608,001
					<b>\$1,662,053</b>

**FRRM#:** E26075S0872

**Roof Size:** 5,200 sq. ft.

**Est. Replacement Cost:** \$106,600.00

**Existing System Type:** (EPDM-B) Ballasted  
 Ethylene-Propylene-Diene-Monomer

**Year Installed:** 1988

**Assessed Service Life Remaining (Years) :** 2

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Insulation	2" Rigid	Unknown
Insulation	Tapered isocyanurate	Loose laid
Membrane	60 mil unreinforced EPDM	Loose laid
Surfacing	Aggregate ballast	Loose laid

## Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
<p>Roof would be considered in overall poor condition. Ballasted EPDM roofs have a generally accepted service life of approximately 15-20 years. After that period of time, their overall condition typically begins to decline more rapidly and they become increasingly susceptible to deficiencies that can lead to catastrophic failure. This roof section has reached that stage with relatively few defects noted and could possibly provide up to 5 years additional service life. However, it must be noted that significant problems could manifest themselves over a short period of time, leading to the necessity for expedited replacement. Monitoring the roof closely can help to make early detection of problems possible, helping to maximize service life. Emergency repairs should be performed as needed until replacement takes place.</p>			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
<p>Ballasted EPDM roofs have a generally accepted service life of approximately 15-20 years. After that period of time, their overall condition typically begins to decline more rapidly and they become increasingly susceptible to deficiencies that can lead to catastrophic failure. This roof section has reached that stage with relatively few defects noted and could possibly provide up to 5 years additional service life. However, it must be noted that significant problems could manifest themselves over a short period of time, leading to the necessity for expedited replacement. Monitoring the roof closely can help to make early detection of problems possible, helping to maximize service life. Emergency repairs should be performed as needed until replacement takes place.</p>			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
<p>The roof remains in fair to poor condition.</p>			

### Recommendations Details

Recommendations Details		
Budget Year	Activity Type	Quotation \$
2018	Replacement	\$1
A1/B1/C1 replacement - cost estimate of \$549,000.00 is based on replacement of Sections A1, B1 and C1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
2018	Replacement	\$1
A2/B2/C2 replacement - cost estimate of \$505,000.00 is based on replacement of Sections A2, B2 and C2 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
2018	Replacement	\$1
A3/B3 replacement - cost estimate of \$\$608,000.00 is based on replacement of Sections A3 and B3 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		<b>\$3</b>

### Recommendation Summary

Recommendation Summary					
Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2018	Replacement	No	Capital	Moderate	\$1
2018	Replacement	No	Capital	Moderate	\$1
2018	Replacement	No	Capital	Moderate	\$1
					<b>\$3</b>



**FRRM#:** Not Updated

**Roof Size:** 400 sq. ft.

**Est. Replacement Cost:** \$28,000.00

**Existing System Type:** Standing Seam Sheet Metal Roofing

**Year Installed:** 1988

**Assessed Service Life Remaining (Years) :** 8

**Currently Leaking?** Unknown

**Drainage and Leak Details:**

Recommendations Details		
Budget Year	Activity Type	Quotation \$
2018	Replacement	\$1
A1/B1/C1 replacement - budget cost estimate of \$549,000.00 is based on replacement of Sections A1, B1 and C1 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
2018	Replacement	\$1
A2/B2/C2 replacement - cost estimate of \$505,000.00 is based on replacement of Sections A2, B2 and C2 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		\$2

Recommendation Summary					
Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2018	Replacement	No	Capital	Moderate	\$1
2018	Replacement	No	Capital	Moderate	\$1
					\$2

**FRRM#:** Not Updated

**Roof Size:** 2,200 sq. ft.

**Est. Replacement Cost:** \$44,000.00

**Existing System Type:** Standing Seam Sheet Metal Roofing

**Year Installed:** 2010

**Assessed Service Life  
Remaining (Years) :** 24

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

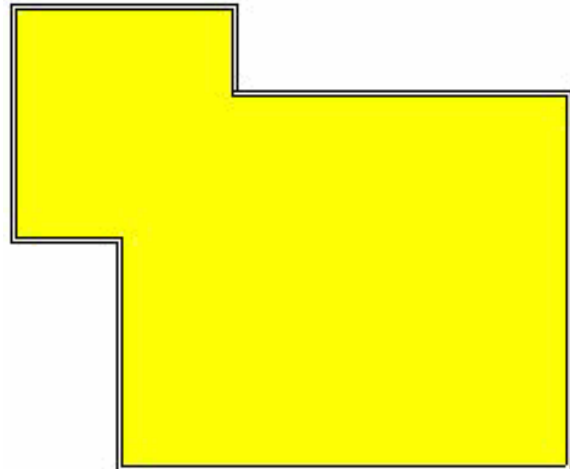
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Maintenance

**Contact Name:**

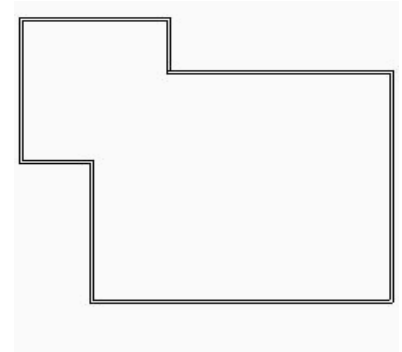
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S0570 1991	13,798 sq. ft.	MnSCU Std. 4-Ply Asphalt	10 (Yrs)	\$193,172.00
		<b>13,798</b>			<b>\$193,172.00</b>

### Action Items - Summary

Section ID	Activity Type	Allocation	Urgency	Amount
A	Repair	Expense	Moderate	\$3,500
				<b>\$3,500</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$3,500
Remove and replace suspected wet insulation. Replace missing stack flashing. Remove vegetation from the roof and trim overhanging trees.			
			<b>\$3,500</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	Yes	Expense	Moderate	\$3,500
						<b>\$3,500</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$3,500	\$0	\$0	\$0	\$0
	<b>\$3,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**FRRM#:** E26075S0570

**Roof Size:** 13,798 sq. ft.

**Est. Replacement Cost:** \$193,172.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1991

**Assessed Service Life Remaining (Years) :** 10

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

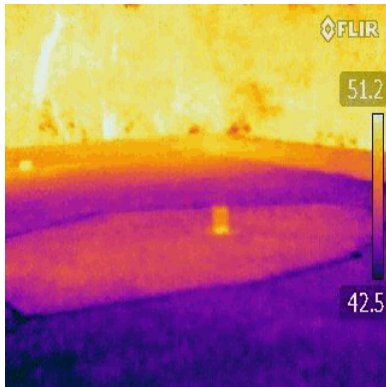
Defect Type	Severity	Quantity	Unit
Defect #01	Repair	200	sq. ft.

ID#: 1    OBSERVED: 10/6/2014, 9/23/2015

Suspected wet insulation

REPAIR: Remove and replace wet insulation

COMMENTS: A roofing contractor should provide, or should be present, when destructive testing to verify the presence of wet materials is conducted so that proper patching can be performed.



Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	4	linear ft.

ID #4    OBSERVED: 9/23/2015

Blistered Base Flashing

REPAIR: Monitor for possible future repair.

COMMENTS:



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #03	Repair	1	Ea.

ID #3 OBSERVED: 9/23/2015

Missing Stack Flashing

REPAIR: Install missing flashing.

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #04	Repair	1	Ea.

ID #4 OBSERVED: 9/23/2015

Vegetation/Debris/Foreign Materials on Roof

REPAIR: Trim overhanging tree and remove vegetation from the roof.

COMMENTS:





### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	Anomaly observed	Dry at anomaly location

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$3,500
Remove and replace suspected wet insulation. Replace missing stack flashing. Remove vegetation from the roof and trim overhanging trees.		
		<b>\$3,500</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	Yes	Expense	Moderate	\$3,500
					<b>\$3,500</b>

**Recommendation Details (Action Items)**

Type Of Activity	Allocation	Urgency	Amount
Repair	Expense	Moderate	\$3,500
Remove and replace suspected wet insulation. Replace missing stack flashing. Remove vegetation from the roof and trim overhanging trees.			
			<b>\$3,500</b>

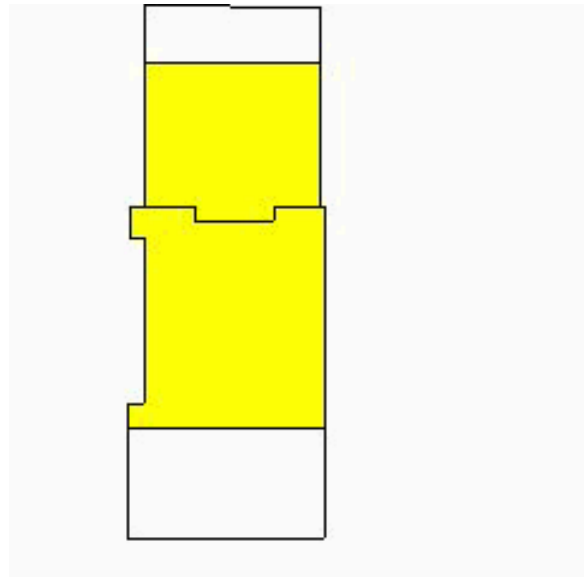
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Physical Education

**Contact Name:**

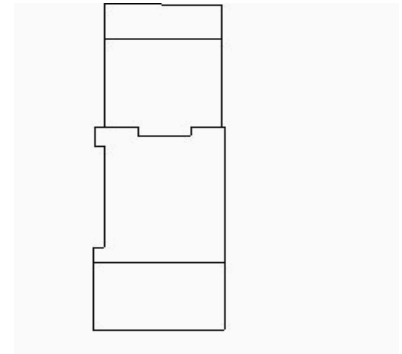
**Contact Telephone:**



**Contact Fax:**

**Date of Last Inspection:** Sep 23, 2015

**Type of building:** Academic

**Type of Neighborhood:**



Roof Section List					
Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S0368 1990	27,867 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$390,138.00
	B E26075S5368 1990	28,570 sq. ft.	MnSCU Std. 4-Ply Asphalt	9 (Yrs)	\$399,980.00
<b>56,437</b>					<b>\$790,118.00</b>

Recommendation Details			
Section ID	Budget Year	Activity Type	Budget Amount
B	2016	Repair	\$300
Remove vegetation from the roof area.			
			<b>\$300</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
B	2016	Repair	No	Expense	None	\$300
						<b>\$300</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
B	\$300	\$0	\$0	\$0	\$0
	<b>\$300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**FRRM#:** E26075S0368

**Roof Size:** 27,867 sq. ft.

**Est. Replacement Cost:** \$390,138.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Insulation	1" Rigid	Mechanically attached
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

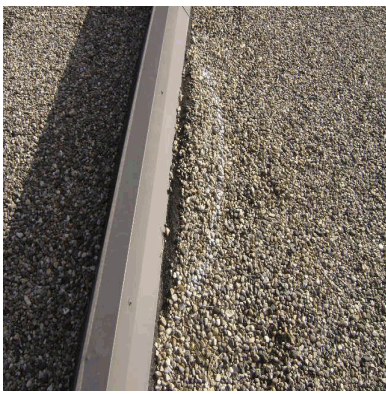
Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	9	linear ft.

ID#: 1    OBSERVED: 10/10/12, 9/23/2015

Base Flashing -Slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed



**Overall Roof Inspection Assessments**

<b>Date</b>	<b>Inspection Type</b>	<b>Inspecting Company</b>	<b>Inspector</b>
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

**FRRM#:** E26075S5368

**Roof Size:** 28,570 sq. ft.

**Est. Replacement Cost:** \$399,980.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1990

**Assessed Service Life Remaining (Years) :** 9

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	20	Ea.

ID#: 1 OBSERVED: 10/10/12, 9/23/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



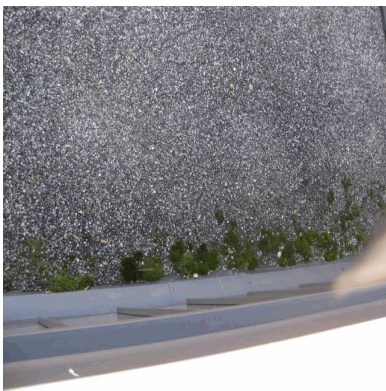
Defect Type	Severity	Quantity	Unit
Defect #02	Repair	10	sq. ft.

ID#: 2 OBSERVED: 10/9/2013, 9/23/2015

Debris/vegetation/foreign materials on roof

REPAIR: Remove debris/vegetation/foreign materials

COMMENTS: Moss



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 23, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$300
Remove vegetation from the roof area.		
		<b>\$300</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	None	\$300
					<b>\$300</b>



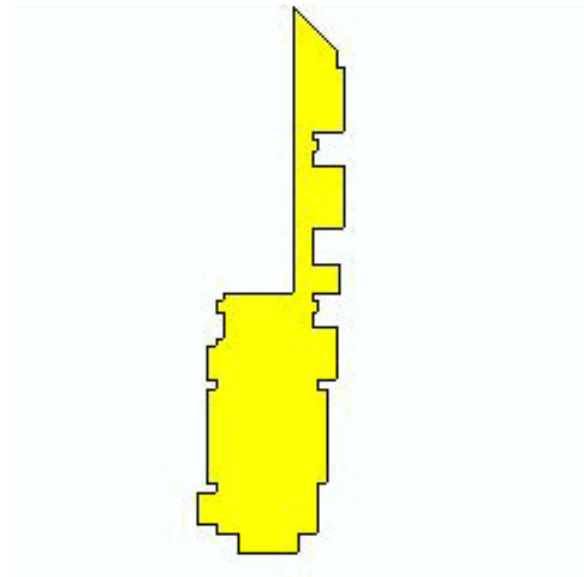
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Recreation Athletic Facility

**Contact Name:**

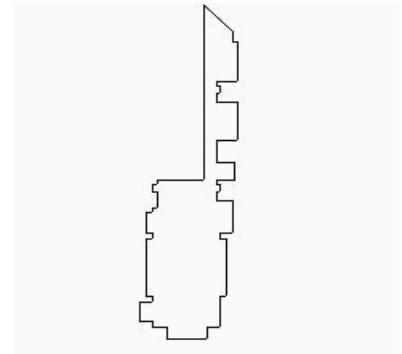
**Contact Telephone:**

**Contact Fax:**

**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A1, A2, A3 E26075S1295 1995	68,941 sq. ft.	MnSCU Std. 4-Ply Asphalt	19 (Yrs)	\$551,528.00
<b>68,941</b>					<b>\$551,528.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A1, A2, A3	2016	Repair	\$5,000
Resurface exposed areas of membrane and repair open flashing joint. Repair blistered base flashing. Verify and replace suspected wet insulation.			
			<b>\$5,000</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A1, A2, A3	2016	Repair	No	Expense	None	\$5,000
						<b>\$5,000</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A1, A2, A3	\$5,000	\$0	\$0	\$0	\$0
	<b>\$5,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**FRRM#:** E26075S1295

**Roof Size:** 68,941 sq. ft.

**Est. Replacement Cost:** \$551,528.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1995

**Assessed Service Life Remaining (Years) :** 19

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Thermal barrier	Gypsum board	Mechanically attached
Insulation	1" Rigid	Mechanically attached
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

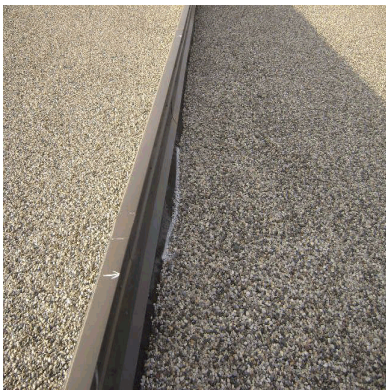
Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	16	linear ft.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #03	Repair	25	linear ft.

ID#: 3 OBSERVED: 10/9/2013, 9/24/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Cut and re-secure unbonded base flashing

COMMENTS:



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #05	Repair	10	sq. ft.

ID#:5 OBSERVED:10/9/2013, 9/24/2015

Debris/vegetation/foreign materials on roof

REPAIR: Remove debris/vegetation/foreign materials

COMMENTS:

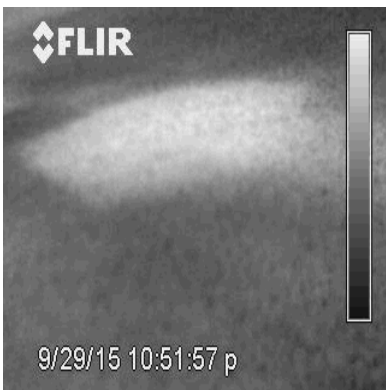


Defect Type	Severity	Quantity	Unit
Defect #06	Repair	25	sq. ft.

ID #6 OBSERVED: 9/24/2015

Suspected Wet Insulation

REPAIR: Core area to verify insulation is wet. Remove and replace wet materials.



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	No anomalies observed
Sep 24, 2015	Infrared	Anomaly observed	Dry at anomaly location

Approximately 25 square feet of suspected wet insulation observed.

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall very good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$5,000
Resurface exposed areas of membrane and repair open flashing joint. Repair blistered base flashing. Verify and replace suspected wet insulation.		
		<b>\$5,000</b>

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### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	None	\$5,000
					<b>\$5,000</b>

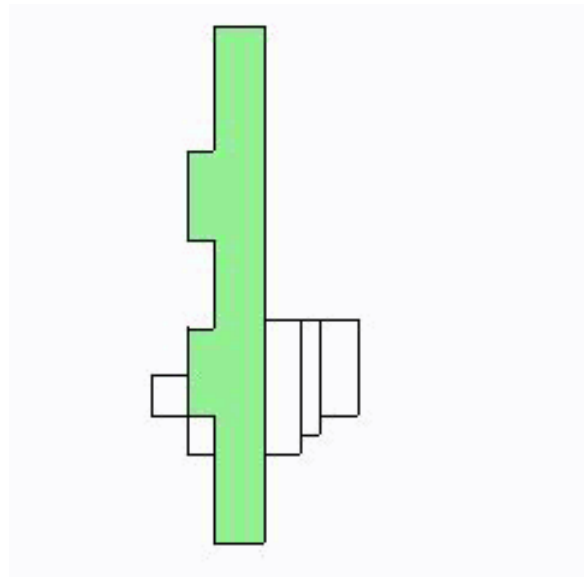
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Schwan Regional Event Center

**Contact Name:**

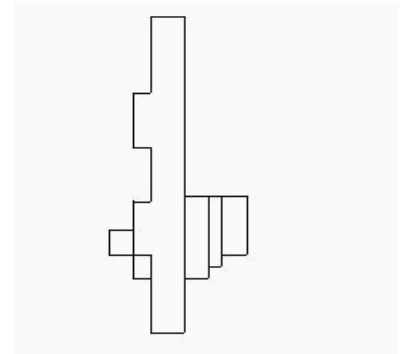
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S8009 2007	6,527 sq. ft.	MnSCU Std. 4-Ply Asphalt	31 (Yrs)	\$91,378.00
	B Not Updated 2007	21,000 sq. ft.	Standing Seam Sheet Metal Roofing	21 (Yrs)	\$420,000.00
<b>27,527</b>					<b>\$511,378.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$500
Resurface exposed areas of membrane.			
			<b>\$500</b>



### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	Low	\$500
						<b>\$500</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$500	\$0	\$0	\$0	\$0
	<b>\$500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**FRRM#:** E26075S8009

**Roof Size:** 6,527 sq. ft.

**Est. Replacement Cost:** \$91,378.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 2007

**Assessed Service Life Remaining (Years) :** 31

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Insulation	1" Perlite	Mechanically attached
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/ isocyanurate fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall excellent condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof is in very good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$500
Resurface exposed areas of membrane.		
		<b>\$500</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	Low	\$500
					<b>\$500</b>

**FRRM#:** Not Updated

**Roof Size:** 21,000 sq. ft.

**Est. Replacement Cost:** \$420,000.00

**Existing System Type:** Standing Seam Sheet Metal Roofing

**Year Installed:** 2007

**Assessed Service Life  
Remaining (Years) :** 21

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**

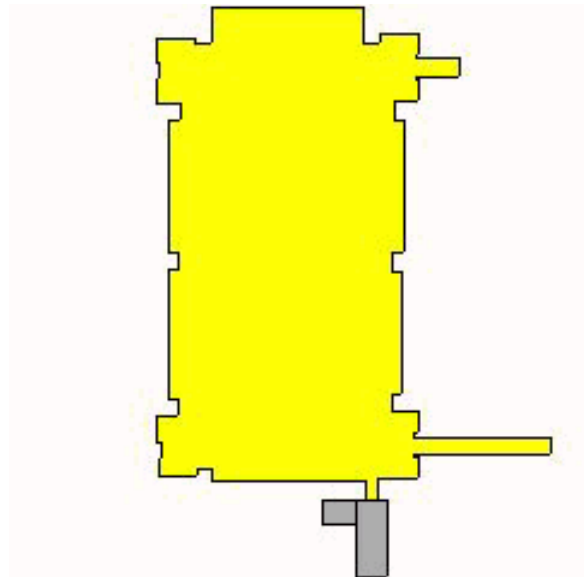
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Science and Math

**Contact Name:**

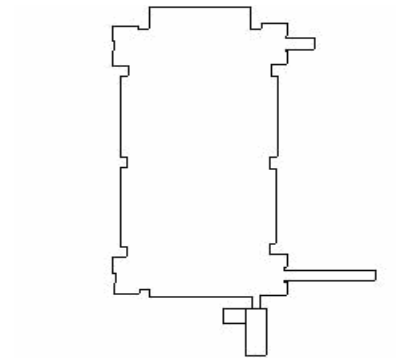
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S0772 1992	43,659 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$611,226.00
	B Not Updated 2010	1,300 sq. ft.	Glass Roof Panels	24 (Yrs)	\$65,000.00
	C Not Updated 1978	1,100 sq. ft.	Metal Roof Panels	0 (Yrs)	\$55,000.00
<b>46,059</b>					<b>\$731,226.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$7,000
Resecure and seal louver. Trim overhanging tree branches and remove leaves from the roof. Replace rusted soil stack flashing. Verify wet, the remove and replace all wet materials.			
B	2015	Replacement	\$350,001
Budget cost estimate is based on replacement of Section B and C at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
C	2015	Replacement	\$1
Budget cost estimate of \$350,000.00 is based on replacement of Section B and C at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
			<b>\$357,002</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	None	\$7,000
B	2015	Replacement	No	Capital	Moderate	\$350,001
C	2015	Replacement	No	Capital	Moderate	\$1
						<b>\$357,002</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$7,000	\$0	\$0	\$0	\$0
	<b>\$7,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**FRRM#:** E26075S0772

**Roof Size:** 43,659 sq. ft.

**Est. Replacement Cost:** \$611,226.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Precast concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	40	Ea.

ID#: 1 OBSERVED: 10/10/129/24/2015

Base Flashing - Slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #02	Repair	1	sq. ft.

ID#:2 OBSERVED:10/9/2013, 9/24/2015

Tree branches overhanging roof

REPAIR: Trim tree branches away from roof. Paint damaged sheet metal



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #03	Repair	500	sq. ft.

ID#: 5 OBSERVED: 10/9/2013, 9/24/2015

Suspected wet insulation

REPAIR: Remove and replace wet insulation

COMMENTS: A roofing contractor should provide, or should be present, when destructive testing to verify the presence of wet materials is conducted so that proper patching can be performed.



Defect Type	Severity	Quantity	Unit
Defect #04	Repair	1	Ea.

ID #4 OBSERVED: 9/24/2015


Displaced Metal Flashing

REPAIR: Resecure and seal metal flashing at louver.

COMMENTS:



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #05	Repair	1	Ea.
<p>ID #5    OBSERVED: 9/24/2015</p> <p>Corroded Metal Flashing</p> <p>REPAIR: Replace rusted soil stack flashing.</p> <p>COMMENTS:</p>			
			

### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	Anomaly observed	Dry
Oct 06, 2014	Infrared	Anomaly observed	Dry
Sep 24, 2015	Infrared	Anomalies observed	Dry at anomaly locations
<p>Existing area of suspected wet insulation appears to have increased in size. One additional area observed.</p>			

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Tim Benzie
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof is in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$7,000
Resecure and seal louver. Trim overhanging tree branches and remove leaves from the roof. Replace rusted soil stack flashing. Verify wet, the remove and replace all wet materials.		
		<b>\$7,000</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	None	\$7,000
					<b>\$7,000</b>

**FRRM#:** Not Updated

**Roof Size:** 1,300 sq. ft.

**Est. Replacement Cost:** \$65,000.00

**Existing System Type:** Glass Roof Panels

**Year Installed:** 2010

**Assessed Service Life Remaining (Years) :** 24

**Currently Leaking?** Unknown

**Drainage and Leak Details:**

### Recommendations Details

Recommendations Details		
Budget Year	Activity Type	Quotation \$
2015	Replacement	\$350,001
Budget cost estimate is based on replacement of Section B and C at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		\$350,001

### Recommendation Summary

Recommendation Summary					
Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2015	Replacement	No	Capital	Moderate	\$350,001
					\$350,001

**FRRM#:** Not Updated

**Roof Size:** 1,100 sq. ft.

**Est. Replacement Cost:** \$55,000.00

**Existing System Type:** Metal Roof Panels

**Year Installed:** 1978

**Assessed Service Life Remaining (Years) :** 0

**Currently Leaking?** Unknown

**Drainage and Leak Details:**

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2015	Replacement	\$1
Budget cost estimate of \$350,000.00 is based on replacement of Section B and C at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		\$1

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2015	Replacement	No	Capital	Moderate	\$1
					\$1

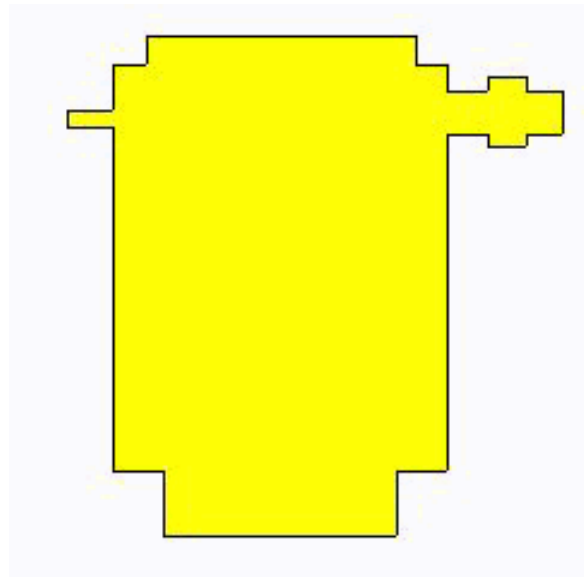
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**



**Facility:** Science and Technology

**Contact Name:**

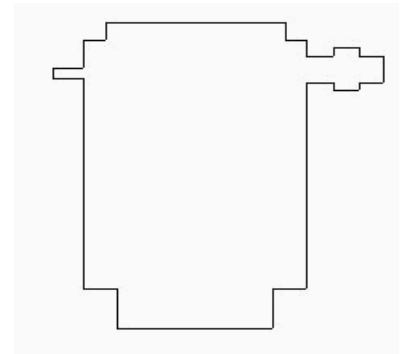
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A1-A5 E26075S0368 1988	31,200 sq. ft.	MnSCU Std. 4-Ply Asphalt	3 (Yrs)	\$648,024.00
<b>31,200</b>					<b>\$648,024.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A1-A5	2016	Repair	\$8,000
Replace split drain lead and repair membrane ridges. Coat deteriorated flashings with plastic cement and fabric. Clean debris from scupper on lower roof and replace corroded sheet metal. Verify with core and replace wet insulation if present.			
A1-A5	2018	Replacement	\$538,000
A3/A4/A5 replacement - cost estimate is based on replacement of Sections A3, A4 and A5 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
A1-A5	2019	Replacement	\$999,000
A1/A2 replacement - cost estimate is based on replacement of Sections A1 and A2 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.			
			<b>\$1,545,000</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A1-A5	2016	Repair	No	Expense	None	\$8,000
A1-A5	2018	Replacement	No	Capital	None	\$538,000
A1-A5	2019	Replacement	No	Capital	None	\$999,000
						<b>\$1,545,000</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A1-A5	\$8,000	\$0	\$538,000	\$999,000	\$0
	<b>\$8,000</b>	<b>\$0</b>	<b>\$538,000</b>	<b>\$999,000</b>	<b>\$0</b>

**FRRM#:** E26075S0368

**Roof Size:** 31,200 sq. ft.

**Est. Replacement Cost:** \$648,024.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1988

**Assessed Service Life Remaining (Years) :** 3

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	50	Ea.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Base Flashing -Slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #03	Monitor	1	Ea.

ID#: 3 OBSERVED: 10/9/2013, 9/24/29015

Improper equipment support - no membrane damage

REPAIR: Install properly constructed/flashed equipment supports

COMMENTS:



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #05	Repair	25	linear ft.

ID#: 5 OBSERVED: 10/9/2013, 9/24/2015

Corroded/deteriorated/deformed/damaged metal

REPAIR: Replace

COMMENTS:



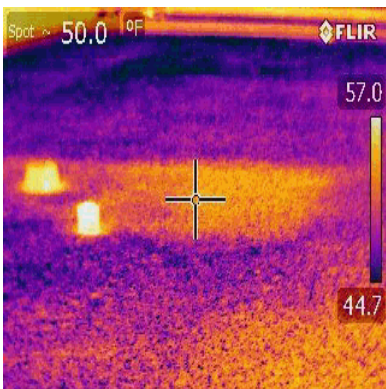
Defect Type	Severity	Quantity	Unit
Defect #06	Repair	200	sq. ft.

ID#: 6 OBSERVED: 10/9/2013, 9/24/2015

Suspected wet insulation

REPAIR: Remove and replace wet insulation

COMMENTS: A roofing contractor should provide, or should be present, when destructive testing to verify the presence of wet materials is conducted so that proper patching can be performed.



### Membrane Defects - Outstanding Continued...

Defect Type	Severity	Quantity	Unit
Defect #07	Repair	1	Ea.

ID #7 OBSERVED: 9/24/2015

Split drain lead

REPAIR: Replace existing drain lead.

COMMENTS:



Defect Type	Severity	Quantity	Unit
Defect #08	Repair	1	Ea.

ID #8 OBSERVED: 9/24/2015

Plugged scupper

REPAIR: Clean debris from roof and clear scupper

COMMENTS: Obstructed drainage is causing the roof to pond water.



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	Anomalies observed	Dry
Oct 06, 2014	Infrared	Anomaly observed	Dry at anomaly location
Anomaly does not appear to have grown.			
Sep 24, 2015	Infrared	Anomalies observed	Dry at anomaly locations

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall fair condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof appears to be in fair condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof is in fair condition and reportedly continues to perform at a level commensurate with it's age.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in fair condition. Maintenance is required if the roof is to achieve its anticipated service life.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$8,000
Replace split drain lead and repair membrane ridges. Coat deteriorated flashings with plastic cement and fabric. Clean debris from scupper on lower roof and replace corroded sheet metal. Verify with core and replace wet insulation if present.		
2018	Replacement	\$538,000
A3/A4/A5 replacement - cost estimate is based on replacement of Sections A3, A4 and A5 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
2019	Replacement	\$999,000
A1/A2 replacement - cost estimate is based on replacement of Sections A1 and A2 at the same time. Emergency repairs should be performed as needed to maintain a watertight condition until replacement takes place.		
		<b>\$1,545,000</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	None	\$8,000
2018	Replacement	No	Capital	None	\$538,000
2019	Replacement	No	Capital	None	\$999,000
					<b>\$1,545,000</b>



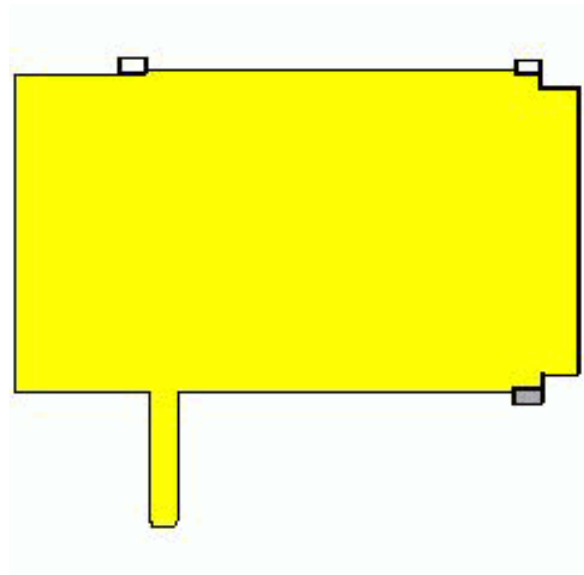
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Social Science

**Contact Name:**

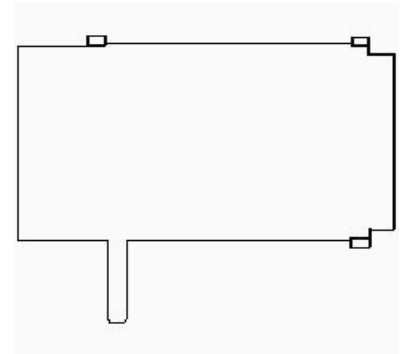
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Academic

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S1173 1992	27,525 sq. ft.	MnSCU Std. 4-Ply Asphalt	11 (Yrs)	\$385,350.00
	B Not Updated 1970	200 sq. ft.	Standing Seam Sheet Metal Roofing	0 (Yrs)	\$14,000.00
		<b>27,725</b>			<b>\$399,350.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$2,500
Verify and replace suspected wet insulation.			
B	2015	Replacement	\$101,000
			<b>\$103,500</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	High	\$2,500
B	2015	Replacement	No	Capital	Moderate	\$101,000
						<b>\$103,500</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$2,500	\$0	\$0	\$0	\$0
	<b>\$2,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**FRRM#:** E26075S1173

**Roof Size:** 27,525 sq. ft.

**Est. Replacement Cost:** \$385,350.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 1992

**Assessed Service Life Remaining (Years) :** 11

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Precast concrete	Unknown
Vapor retarder	2 ply hot	Hot asphalt
Insulation	4.5" Fiberglass	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	4	ft.

ID#: 1 OBSERVED: 10/10/12, 9/24/2015

Base flashing slippage, wrinkling, blistering or bridging

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



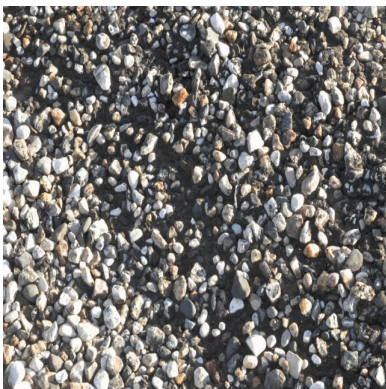
Defect Type	Severity	Quantity	Unit
Defect #02	Monitor	280	sq. ft.

ID#: 2 OBSERVED: 10/09/13, 9/24/2015

Surfacing loss with no membrane deterioration/damage

REPAIR: Monitor for repair need prior to reroofing

COMMENTS:



### Membrane Defects - Outstanding Continued...

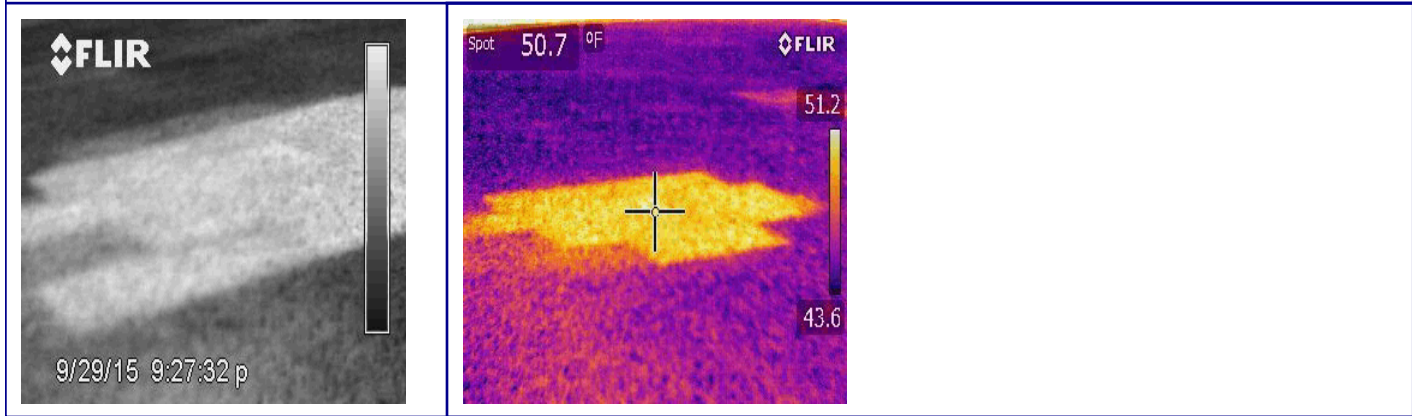
Defect Type	Severity	Quantity	Unit
Defect #03	Repair	80	sq. ft.

ID#: 3    OBSERVED: 10/09/13, 9/24/2015

Suspected wet insulation

REPAIR: Verify, remove and replace all wet materials

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	Anomalies observed	N/A
Approximately 80sf of insulation suspected to contain moisture.			
Oct 06, 2014	Infrared	Anomaly observed	Dry at anomaly location
Anomaly does not appear to have grown			
Sep 24, 2015	Infrared	Anomaly observed	Dry at anomaly location
Area appears to have slightly increased in size from previous survey.			

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof appears to be in good condition and reportedly continues to perform as intended.			
Oct 06, 2014	Annual PM	Inspec	Chuck Benzie
Roof appears to be in good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$2,500
Verify and replace suspected wet insulation.		
		<b>\$2,500</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	High	\$2,500
					<b>\$2,500</b>



**FRRM#:** Not Updated

**Roof Size:** 200 sq. ft.

**Est. Replacement Cost:** \$14,000.00

**Existing System Type:** Standing Seam Sheet Metal Roofing

**Year Installed:** 1970

**Assessed Service Life Remaining (Years) :** 0

**Currently Leaking?** Unknown

**Drainage and Leak Details:** There is asbestos containing fireproofing on the underside of the roofing that will need to be abated when the roof is replaced. Please note that the additional cost for abatement is needed.

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2015	Replacement	\$101,000
		<b>\$101,000</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2015	Replacement	No	Capital	Moderate	\$101,000
					<b>\$101,000</b>

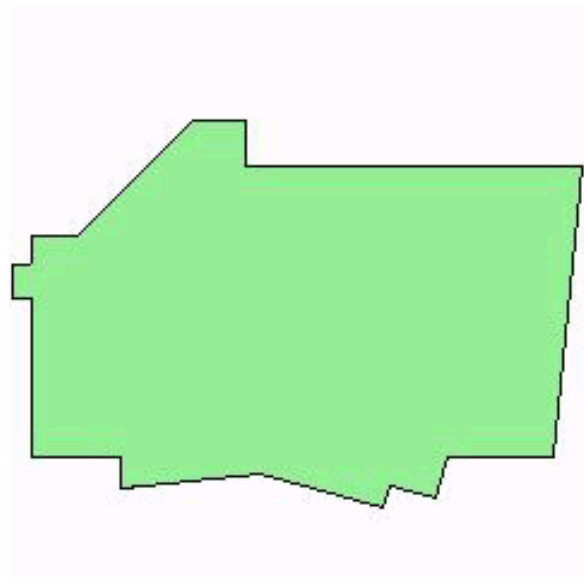
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Facility:** Student Center

**Contact Name:**

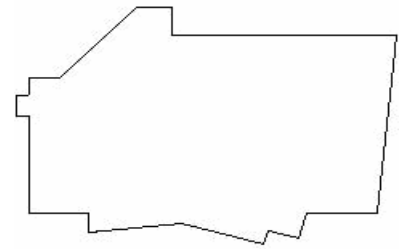
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S8073 2004	39,038 sq. ft.	MnSCU Std. 4-Ply Asphalt	28 (Yrs)	\$936,912.00
<b>39,038</b>					<b>\$936,912.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$300
Replace rusted stack flashing.			
			<b>\$300</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	Low	\$300
						<b>\$300</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$300	\$0	\$0	\$0	\$0
	<b>\$300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**FRRM#:** E26075S8073

**Roof Size:** 39,038 sq. ft.

**Est. Replacement Cost:** \$936,912.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 2004

**Assessed Service Life Remaining (Years) :** 28

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Metal	Unknown
Insulation	1" Perlite	Mechanically attached
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/fiberglass fillers	Hot asphalt
Insulation	1" Perlite	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Repair	1	Ea.

ID #1 OBSERVED: 9/24/2015

Corroded Metal Flashing

REPAIR: Replace rusted stack flashing.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	No anomalies observed
Oct 06, 2014	Infrared	No anomalies observed	Dry
Sep 23, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall excellent condition.			
Oct 09, 2013	Annual PM	Inspec	Tim Benzie
Roof is in very good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$300
Replace rusted stack flashing.		
		<b>\$300</b>

### Recommendation Summary

Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
2016	Repair	No	Expense	Low	\$300
					<b>\$300</b>

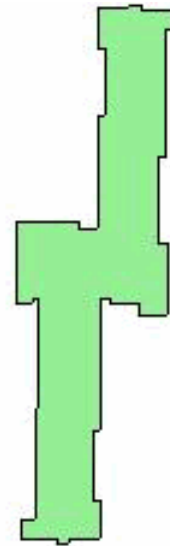
# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:



**Southwest Minnesota State  
University**

**Date : January 26, 2016**



**Facility:** Sweetland Hall

**Contact Name:**

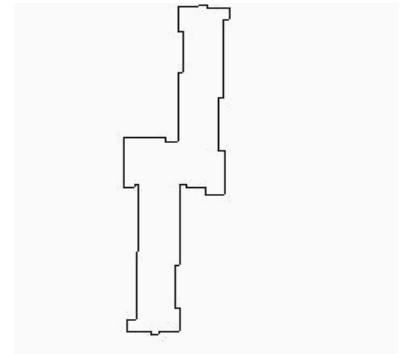
**Contact Telephone:**

**Contact Fax:**


**Date of Last Inspection:** Sep 24, 2015

**Type of building:** Revenue

**Type of Neighborhood:**



### Roof Section List

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A E26075S8110 2009	23,463 sq. ft.	MnSCU Std. 4-Ply Asphalt	33 (Yrs)	\$328,482.00
<b>23,463</b>					<b>\$328,482.00</b>

### Recommendation Details

Section ID	Budget Year	Activity Type	Budget Amount
A	2016	Repair	\$200
Remove debris from lower roof.			
			<b>\$200</b>

### Recommendation Summary

Section ID	Budget Year	Activity Type	Action Item ?	Allocation	Urgency	Budget Amount
A	2016	Repair	No	Expense	Low	\$200
						<b>\$200</b>

### Total Budgets - 5 Years

Section ID	2016	2017	2018	2019	2020
A	\$200	\$0	\$0	\$0	\$0
	<b>\$200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**FRRM#:** E26075S8110

**Roof Size:** 23,463 sq. ft.

**Est. Replacement Cost:** \$328,482.00

**Existing System Type:** MnSCU Std. 4-Ply Asphalt

**Year Installed:** 2009

**Assessed Service Life Remaining (Years) :** 33

**Currently Leaking?** No

**Drainage and Leak Details:**



### Existing Roof System Construction

Layer Type	Description	Method Of Attachment
Deck	Concrete	Unknown
Insulation	1" Rigid	Hot asphalt
Vapor retarder	2 ply hot	Hot asphalt
Insulation	Tapered rigid w/ isocyanurate fillers	Hot asphalt
Insulation	1" Rigid	Hot asphalt
Membrane	BUR - 4 ply	Hot asphalt
Surfacing	Gravel	Hot asphalt

### Membrane Defects - Outstanding

Defect Type	Severity	Quantity	Unit
Defect #01	Monitor	4	sq. ft.

ID #1 OBSERVED: 9/24/2015

Erosion of Aggregate Surfacing

REPAIR: Monitor for possible future repair.

COMMENTS:



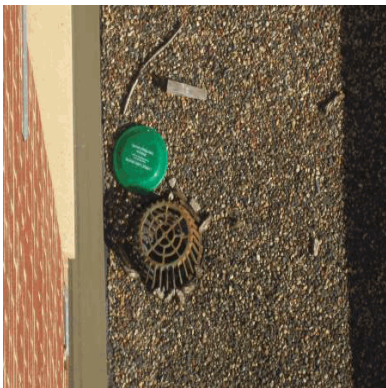
Defect Type	Severity	Quantity	Unit
Defect #02	Repair	1	Ea.

ID #2 OBSERVED: 9/24/2015

Debris on Roof

REPAIR: Remove debris from roof.

COMMENTS:



### Moisture Surveys

Survey Date	Type of Survey	Insulation Condition	Membrane Condition
Oct 10, 2012	Infrared	No anomalies observed	No anomalies observed
Oct 09, 2013	Infrared	No anomalies observed	N/A
Oct 06, 2014	Infrared	Anomaly observed	Dry
Sep 24, 2015	Infrared	No anomalies observed	No anomalies observed

### Overall Roof Inspection Assessments

Date	Inspection Type	Inspecting Company	Inspector
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall good condition.			
Oct 10, 2012	Annual PM	Inspec	John Peterson
Roof would be considered in overall excellent condition.			
Oct 09, 2013	Annual PM	Inspec	Josh Donald
Roof is in very good condition and reportedly continues to perform as intended.			
Sep 24, 2015	Annual PM	Roof Spec Inc.	Joel Baresh
The roof remains in generally good condition.			

### Recommendations Details

Budget Year	Activity Type	Quotation \$
2016	Repair	\$200
Remove debris from lower roof.		
		<b>\$200</b>

**Recommendation Summary**

<b>Budget Year</b>	<b>Activity Type</b>	<b>Action Item ?</b>	<b>Allocation</b>	<b>Urgency</b>	<b>Budget Amount</b>
2016	Repair	No	Expense	Low	\$200
					<b>\$200</b>

# Full Facility Roof Report

## Prepared for:

Cyndi Holm  
Southwest Minnesota State University  
1501 State Street  
Marshall, MN  
56258

## Prepared by:

Tim Pekron  
Roof Spec, Inc.  
2400 Prior Avenue North  
St. Paul, MN 55113  
Phone: 651-639-0644  
Fax:

**Southwest Minnesota State  
University**

**Date : January 26, 2016**

**Roof Section List**

Photo	Section / FRRM# / Year Installed	Size	Roof Type	Assessed Service Life Remaining	Estimated Replacement Value
	A Not Updated 2005	4,536 sq. ft.	Metal Roof Panels	19 (Yrs)	\$90,720.00
<b>4,536</b>					<b>\$90,720.00</b>



**FRRM#:** Not Updated

**Roof Size:** 4,536 sq. ft.

**Est. Replacement Cost:** \$90,720.00

**Existing System Type:** Metal Roof Panels

**Year Installed:** 2005

**Assessed Service Life  
Remaining (Years) :** 19

**Currently Leaking?** Unknown

**Drainage and Leak  
Details:**



### Recommendations - All

Budget Year	Facility	Section ID	Type Of Activity	Allocation	Urgency	Amount \$
2016	Bellows Academic Center	A1, A2	Repair	Expense	Low	\$5,000
2017	Bellows Academic Center	A1, A2	Replacement	Capital	Moderate	\$1,512,000
2017	Bellows Academic Center	A1, A2	Replacement	Capital	Moderate	\$1,248,000
2016	Bellows Academic Center	B	Replacement	Capital	High	\$800,000
2016	Commons East	A	Repair	Expense	Moderate	\$300
2019	Dorm G3 Lincoln Center	A	Replacement	Capital	Moderate	\$458,001
2019	Dorm G3 Lincoln Center	C	Replacement	Capital	Moderate	\$1
2016	Dorm HA3 Camaraderie	A	Repair	Expense	Low	\$1,000
2020	Dorm HB3 Chez Nous	A	Replacement	Capital	Low	\$23,800
2019	Dorm HB3 Chez Nous	C	Replacement	Capital	Low	\$3,500
2016	Dorm HC2 Lhasa	A	Repair	Expense	Moderate	\$2,500
2016	Dorm HC3 Methedras	A	Repair	Expense	High	\$5,000
2016	Fine Arts	A1, A2	Repair	Expense	Low	\$500
2020	Fine Arts	A1, A2	Replacement	Capital	Moderate	\$972,000
2020	Fine Arts	A1, A2	Replacement	Capital	Moderate	\$621,001
2020	Fine Arts	B1	Replacement	Capital	Moderate	\$1
2016	Founders Hall	A	Repair	Expense	Low	\$300
2016	Individualized Learning Center	A1, A2, A3	Repair	Expense	Moderate	\$50
2018	Individualized Learning Center	A1, A2, A3	Replacement	Capital	Moderate	\$505,001

### Recommendations - All Continued...

Budget Year	Facility	Section ID	Type Of Activity	Allocation	Urgency	Amount \$
2019	Individualized Learning Center	A1, A2, A3	Replacement	Capital	Moderate	\$608,001
2019	Individualized Learning Center	A1, A2, A3	Replacement	Capital	Moderate	\$549,001
2018	Individualized Learning Center	B1, B2, B3	Replacement	Capital	Moderate	\$1
2018	Individualized Learning Center	B1, B2, B3	Replacement	Capital	Moderate	\$1
2018	Individualized Learning Center	B1, B2, B3	Replacement	Capital	Moderate	\$1
2018	Individualized Learning Center	C1, C2	Replacement	Capital	Moderate	\$1
2018	Individualized Learning Center	C1, C2	Replacement	Capital	Moderate	\$1
2016	Maintenance	A	Repair	Expense	Moderate	\$3,500
2016	Physical Education	B	Repair	Expense	None	\$300
2016	Recreation Athletic Facility	A1, A2, A3	Repair	Expense	None	\$5,000
2016	Schwan Regional Event Center	A	Repair	Expense	Low	\$500
2016	Science and Math	A	Repair	Expense	None	\$7,000
2015	Science and Math	B	Replacement	Capital	Moderate	\$350,001
2015	Science and Math	C	Replacement	Capital	Moderate	\$1
2016	Science and Technology	A1-A5	Repair	Expense	None	\$8,000
2018	Science and Technology	A1-A5	Replacement	Capital	None	\$538,000
2019	Science and Technology	A1-A5	Replacement	Capital	None	\$999,000
2016	Social Science	A	Repair	Expense	High	\$2,500

**Recommendations - All Continued...**

<b>Budget Year</b>	<b>Facility</b>	<b>Section ID</b>	<b>Type Of Activity</b>	<b>Allocation</b>	<b>Urgency</b>	<b>Amount \$</b>
2015	Social Science	B	Replacement	Capital	Moderate	\$101,000
2016	Student Center	A	Repair	Expense	Low	\$300
2016	Sweetland Hall	A	Repair	Expense	Low	\$200
						<b>\$9,330,264</b>

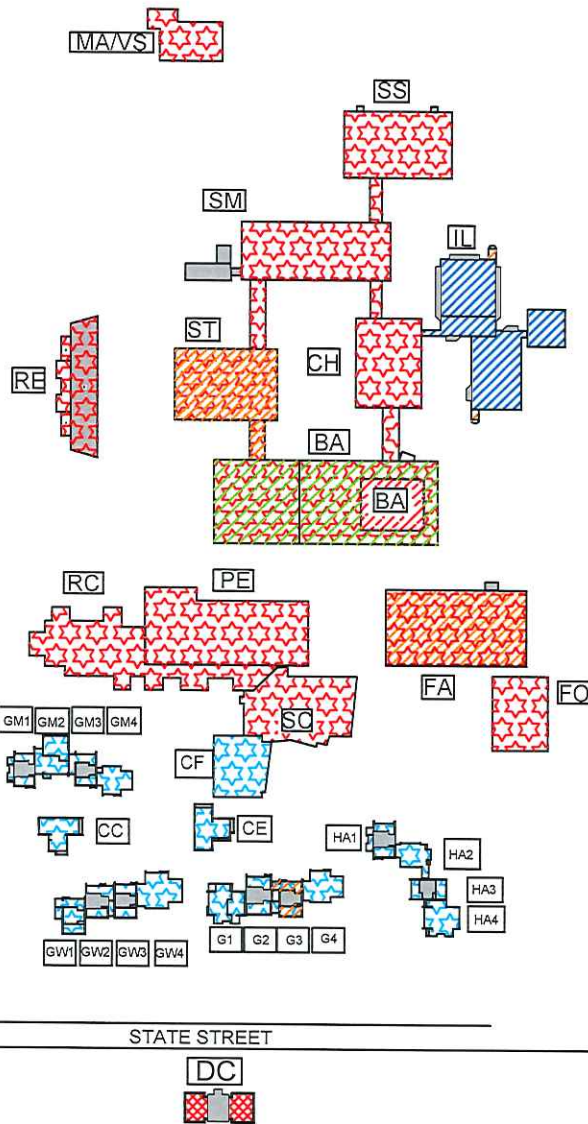


### Financial Plan - Total (5 Years)

Facility	2016	2017	2018	2019	2020
Bellows Academic Center	\$805,000	\$2,760,000	\$0	\$0	\$0
Commons East	\$300	\$0	\$0	\$0	\$0
Dorm G3 Lincoln Center	\$0	\$0	\$0	\$458,002	\$0
Dorm HA3 Camaraderie	\$1,000	\$0	\$0	\$0	\$0
Dorm HB3 Chez Nous	\$0	\$0	\$0	\$3,500	\$23,800
Dorm HC2 Lhasa	\$2,500	\$0	\$0	\$0	\$0
Dorm HC3 Methedras	\$5,000	\$0	\$0	\$0	\$0
Fine Arts	\$500	\$0	\$0	\$0	\$1,593,002
Founders Hall	\$300	\$0	\$0	\$0	\$0
Individualized Learning Center	\$50	\$0	\$505,006	\$1,157,002	\$0
Maintenance	\$3,500	\$0	\$0	\$0	\$0
Physical Education	\$300	\$0	\$0	\$0	\$0
Recreation Athletic Facility	\$5,000	\$0	\$0	\$0	\$0
Schwan Regional Event Center	\$500	\$0	\$0	\$0	\$0
Science and Math	\$7,000	\$0	\$0	\$0	\$0
Science and Technology	\$8,000	\$0	\$538,000	\$999,000	\$0
Social Science	\$2,500	\$0	\$0	\$0	\$0
Student Center	\$300	\$0	\$0	\$0	\$0
Sweetland Hall	\$200	\$0	\$0	\$0	\$0
	<b>\$841,950</b>	<b>\$2,760,000</b>	<b>\$1,043,006</b>	<b>\$2,617,504</b>	<b>\$1,616,802</b>







CAMPUS MAP  
NO SCALE



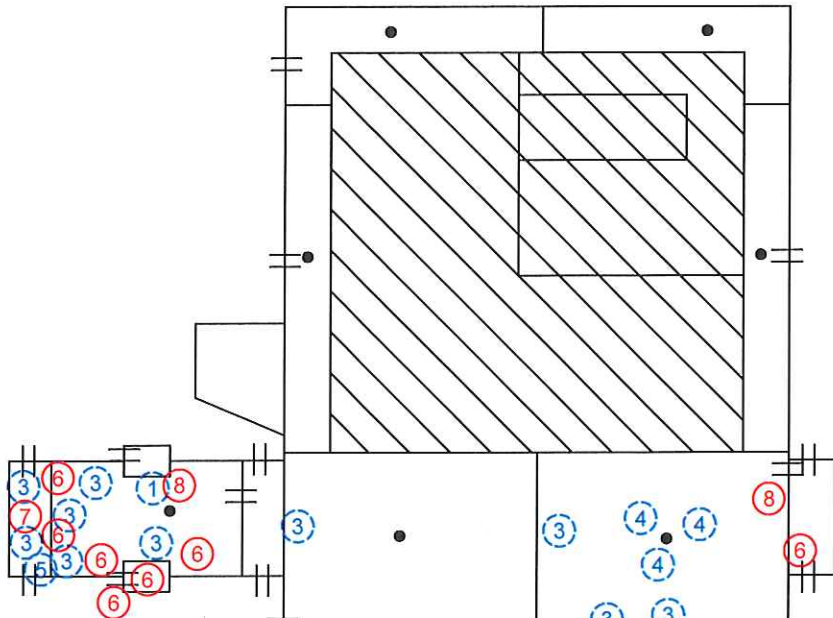
ACADEMIC FACILITIES		RESIDENCE/UNION FACILITIES	
BA	BELLOWS ACADEMIC CENTER	CC	COMMONS CENTRAL
CH	CHARTER HALL	CE	COMMONS EAST
DC	DAYCARE	CW	COMMONS WEST
FA	FINE ARTS	G1	MANCHESTER
FO	FOUNDERS HALL	G2	CHARISMA
IL	ILC	G3	LINCOLN CENTER
MA	MAINTENANCE/VEHICLE STOR	G4	AQUARIUS
PE	PHYSICAL EDUCATION	GM1	HOMESTEAD
RC	RECREATION CENTER	GM2	ARMSTRONG
SM	SCIENCE AND MATH	GM3	SHENANDOAH
ST	SCIENCE AND TECH.	GM4	OCEAN BLVD
SS	SOCIAL SCIENCE	GW1	EL DORADO
RE	REGIONAL EVENT CENTER	GW2	KAMASUTRA
		GW3	SIRIUS
		GW4	TITAN
		HA1	BUCKINGHAM
		HA2	SELENE
		HA3	CAMARADERIE
		HA4	CLAPPER
		HB1	SYBARIS
		HB2	PORTER
		HB3	CHEZ NOUS
		HB4	LAKOTA
		HC1	ANTIPODES
		HC2	LHASA
		HC3	METHEDRAS
		HC4	NAOUTH
		SC	STUDENT CENTER COMPLEX
		CF	CONFERENCE CENTER
		SW	SWEETLAND HALL

KEY

	REPLACE YEAR 0-1
	REPLACE YEAR 2
	REPLACE YEAR 3
	REPLACE YEAR 4
	REPLACE YEAR 5
	MNSCU STANDARD ROOF (ACADEMIC)
	MNSCU STANDARD ROOF (RESIDENCE)

NOT IN 2015 ROOF SURVEY

<b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY	<b>CLIENT</b>  MINNESOTA STATE COLLEGES & UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101 (651) 295-3823	<b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015
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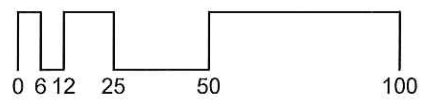
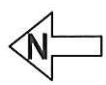
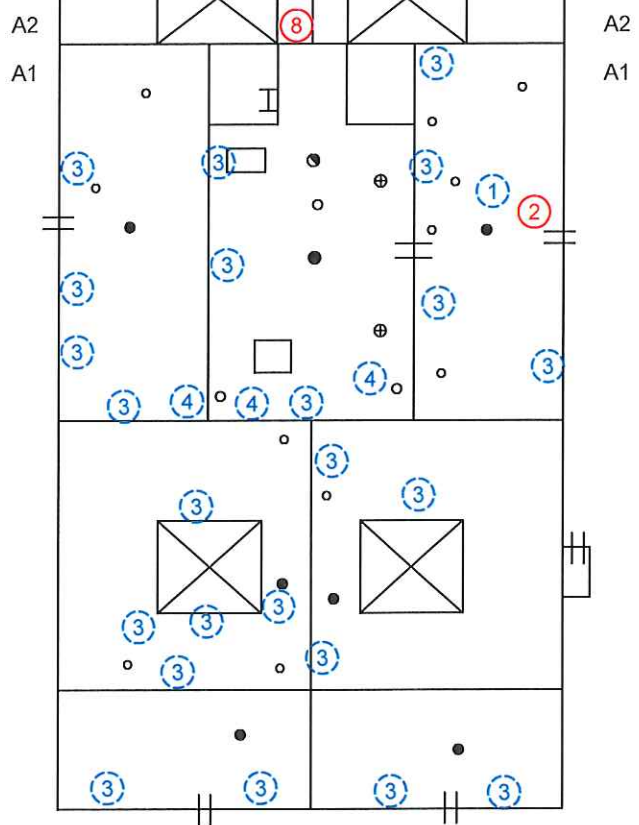
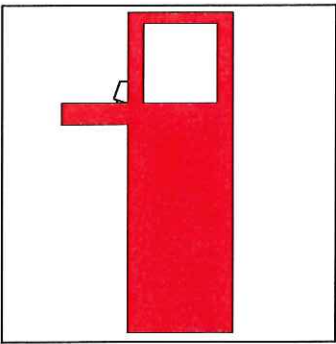


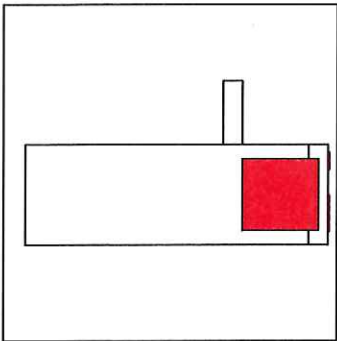
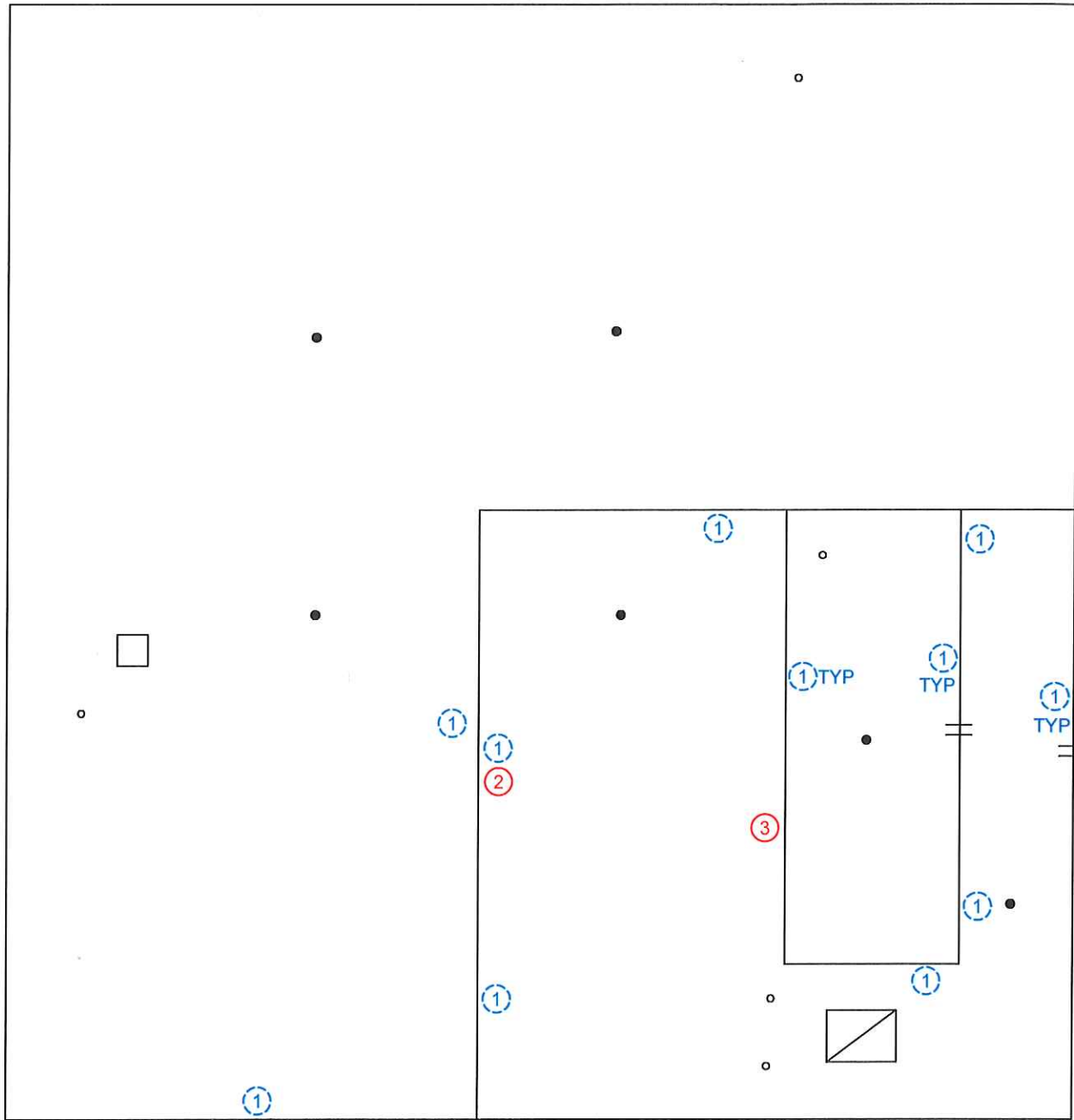
**DEFECT KEY**

- ① MEMBRANE BLISTER
- ② RIDGE IN MEMBRANE
- ③ BLISTERED BASE FLASHING
- ④ EROSION OF AGGREGATE SURFACING
- ⑤ PONDING / EVIDENCE OF PONDING
- ⑥ VEGETATION / DEBRIS
- ⑦ SUSPECTED WET INSULATION
- ⑧ MISSING / DETERIORATED SEALANT

**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊠ SKYLIGHT
- HEAT STACK
- ⊕ FLASHED PENETRATION
- ⊥ LADDER
- ⑧ DEFECT-REPAIR
- ③ DEFECT-MONITOR



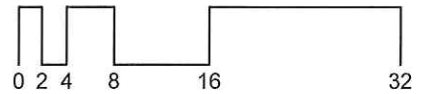


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- †† SCUPPER
- ▣ ROOF HATCH
- ① DEFECT-REPAIR
- ② DEFECT-MONITOR

**DEFECT KEY**

- ① MEMBRANE BRIDGING
- ② OPEN FLASHING SEAM
- ③ DEBRIS ON ROOF

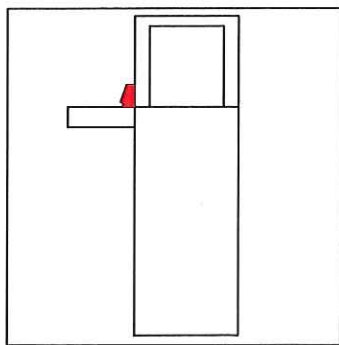
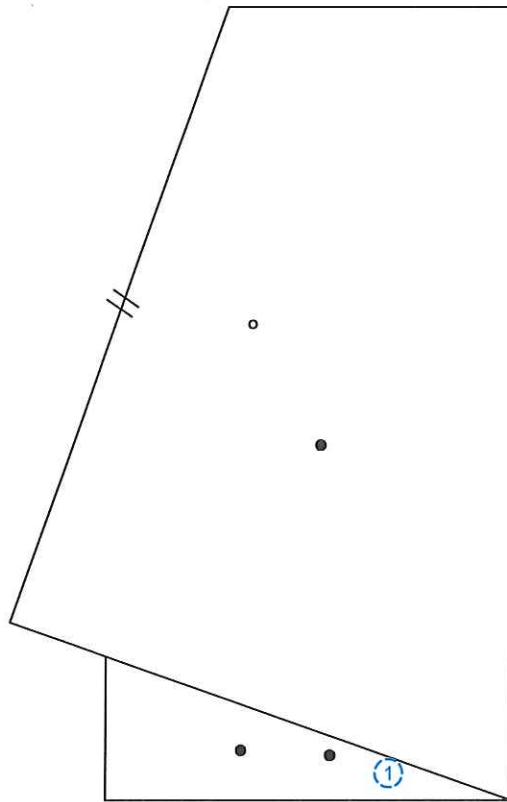


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
BELLOWS ACADEMIC  
CENTER  
**SECTION**  
B

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

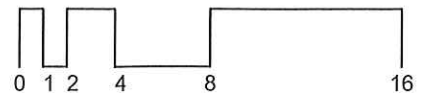


**SYMBOLS KEY**

- ⊥ SCUPPER
- ROOF DRAIN
- VENT STACK
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- ① BLISTERED BASE FLASHING

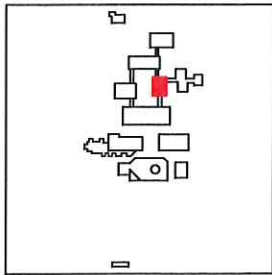
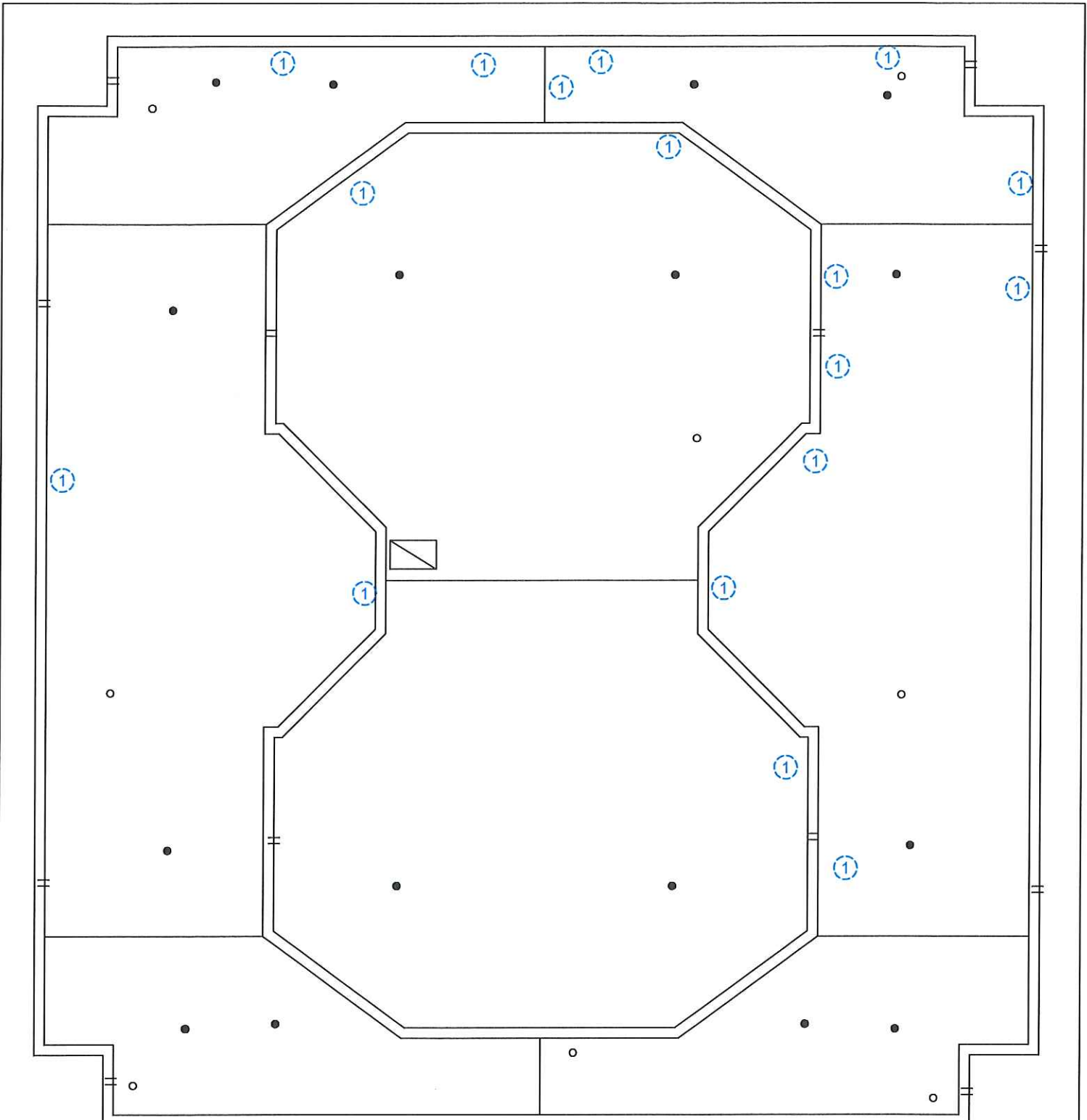


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
BELLOWS ACADEMIC  
CENTER  
**SECTION**  
C

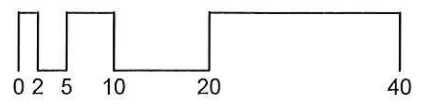
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101


**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



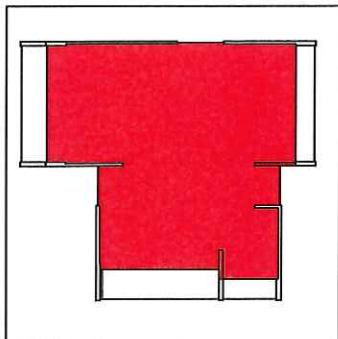
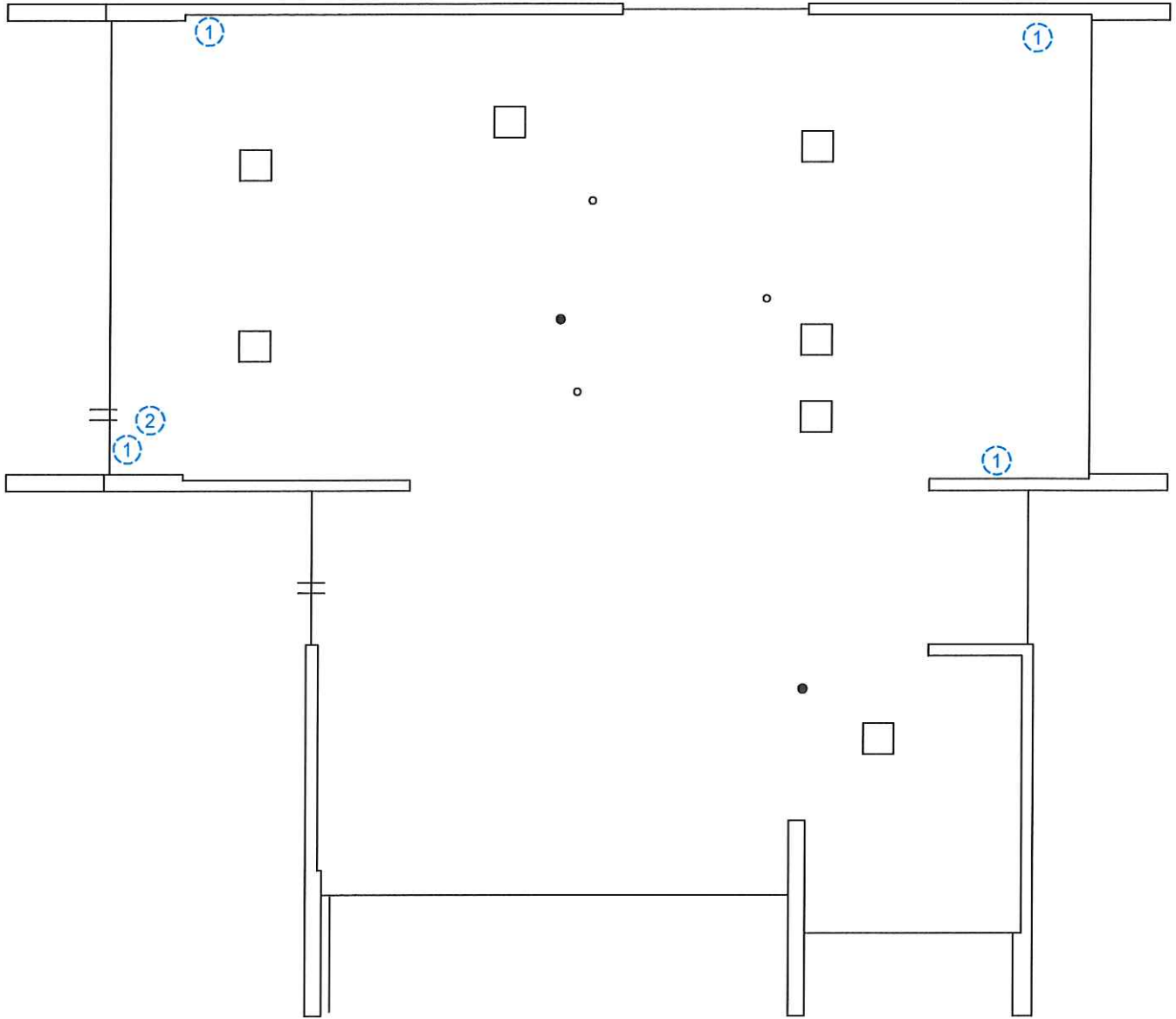
- SYMBOLS KEY**
- ROOF DRAIN
  - VENT STACK
  - ⊥ SCUPPER
  - ▣ ROOF HATCH
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

- DEFECT KEY**
- ① MEMBRANE BLISTER



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> CHARTER HALL</p> <p><b>SECTION</b> A</p>	<p><b>CLIENT</b></p>  <p>MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01</p> <p><b>DATE</b> 12/2/2015</p>
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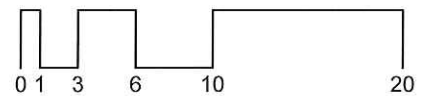


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- ① BLISTERED BASE FLASHING
- ② EROSION OF AGGREGATE SURFACING

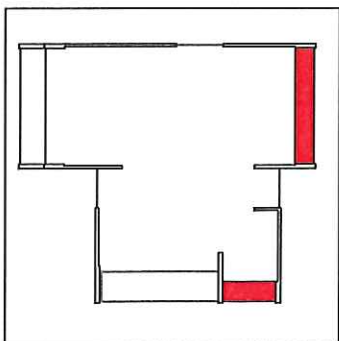
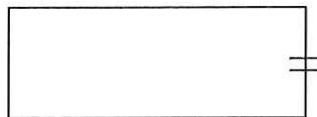
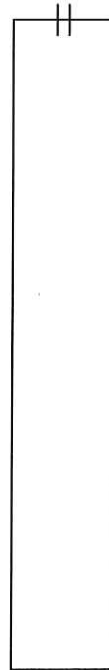


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
COMMONS CENTRAL  
  
**SECTION**  
A

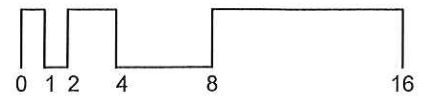
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101


**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



- SYMBOLS KEY**
- || SCUPPER
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

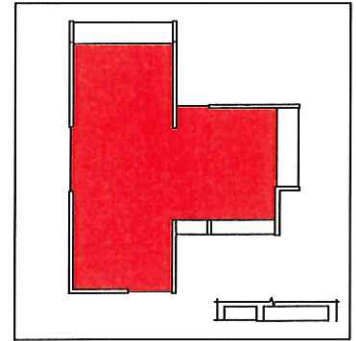
- DEFECT KEY**
- # 2015 NO DEFECT
  - # 2015 NO DEFECT



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> COMMONS CENTRAL</p> <p><b>SECTION</b> B</p>	<p><b>CLIENT</b></p>  <p>MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01</p> <p><b>DATE</b> 12/2/2015</p>
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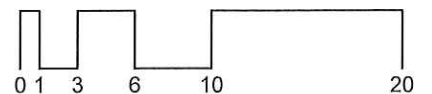
**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- †† SCUPPER
- ① DEFECT-REPAIR
- ② DEFECT-MONITOR



**DEFECT KEY**

- ① VEGETATION / DEBRIS
- ② BLISTERED BASE FLASHING



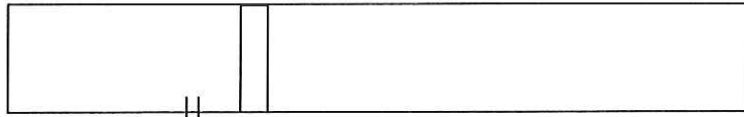
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
COMMONS EAST  
  
**SECTION**  
A

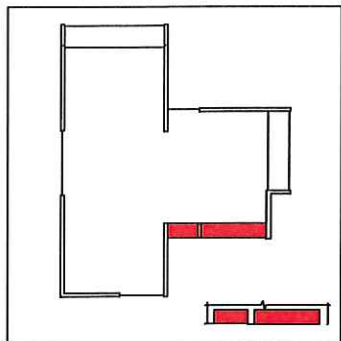
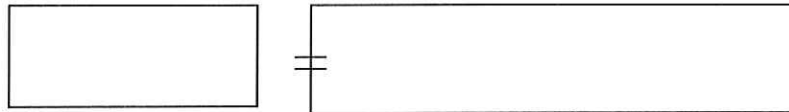
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



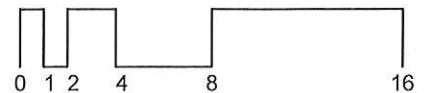



AREA B  
BELOW

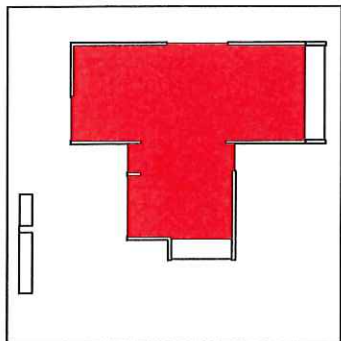
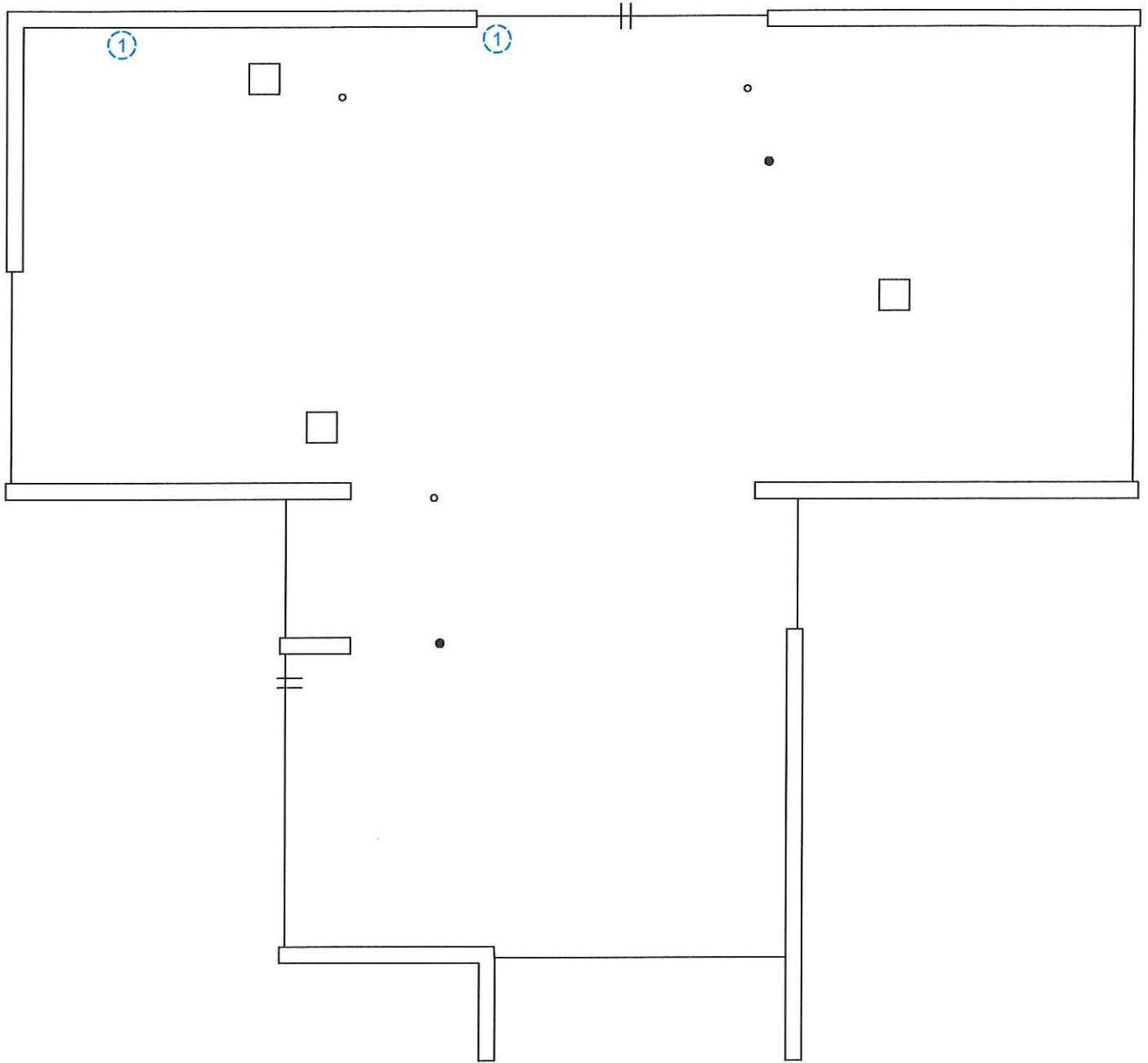


SYMBOLS KEY	
	SCUPPER
	DEFECT-REPAIR
	DEFECT-MONITOR

DEFECT KEY	
	2015 NO DEFECT
	2015 NO DEFECT



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> COMMONS EAST</p> <p><b>SECTION</b> B</p>	<p><b>CLIENT</b></p>  <p>MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01</p> <p><b>DATE</b> 12/2/2015</p>
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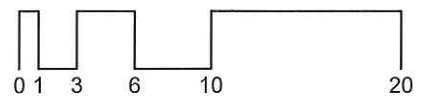


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- ① BLISTERED BASE FLASHING

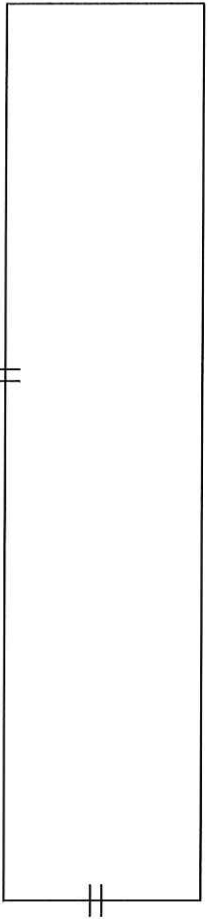
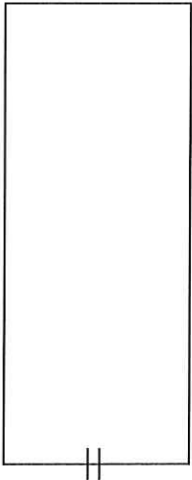


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
COMMONS WEST  
  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

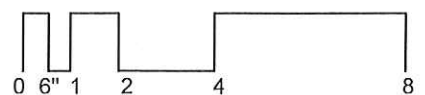
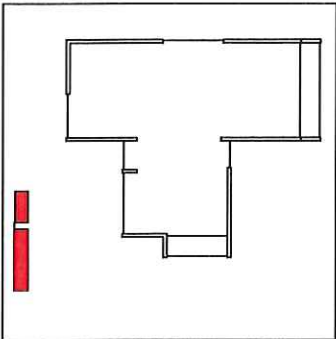



**DEFECT KEY**

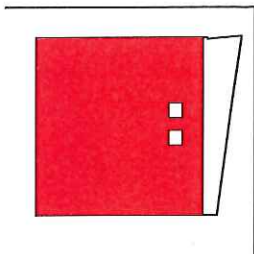
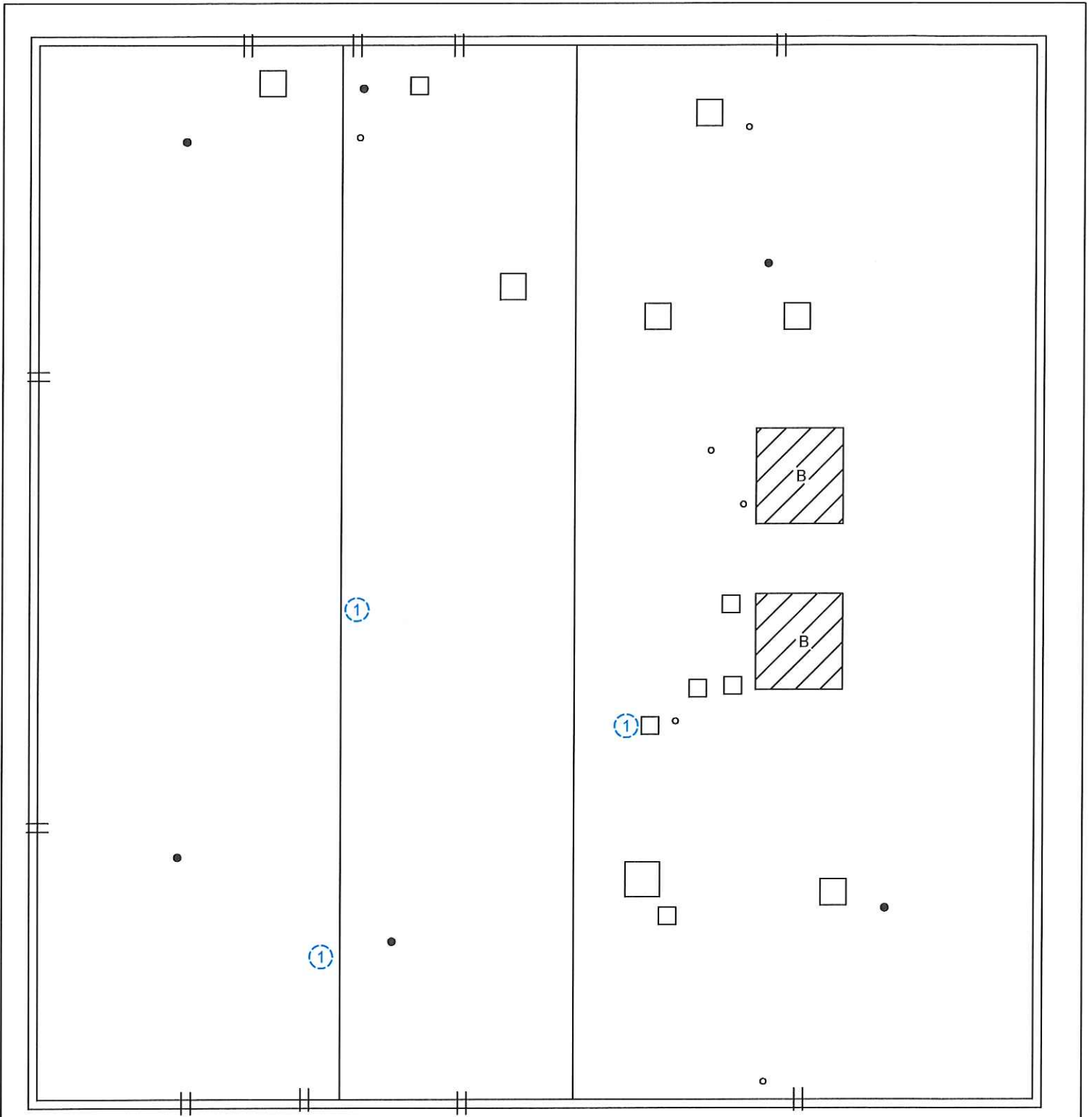
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- # 2015 NO DEFECT

**SYMBOLS KEY**

- ⊥ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

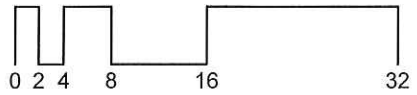


<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> COMMONS WEST</p> <p><b>SECTION</b> B</p>	<p><b>CLIENT</b></p>  <p>MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01</p> <p><b>DATE</b> 12/2/2015</p>
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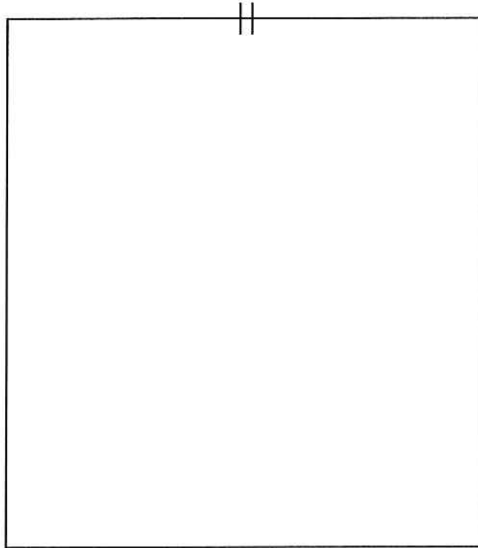


- SYMBOLS KEY**
- ROOF CURB
  - ROOF DRAIN
  - VENT STACK
  - ⊥ SCUPPER
  - Ⓝ DEFECT-REPAIR
  - Ⓢ DEFECT-MONITOR

- DEFECT KEY**
- ① BLISTERED BASE FLASHING



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> CONFERENCE CENTER <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015</p>
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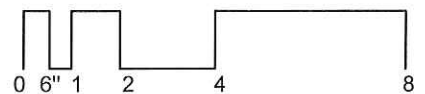
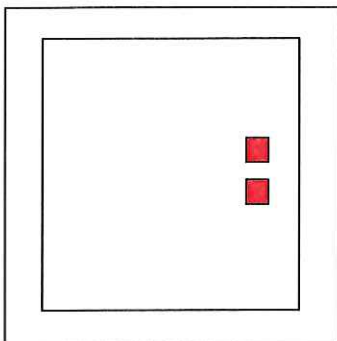
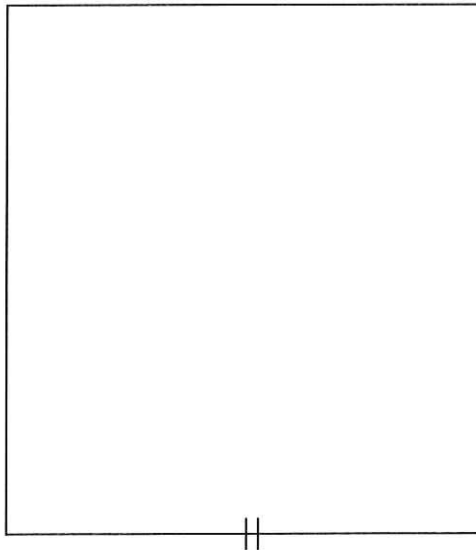


**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

**SYMBOLS KEY**

- || SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR



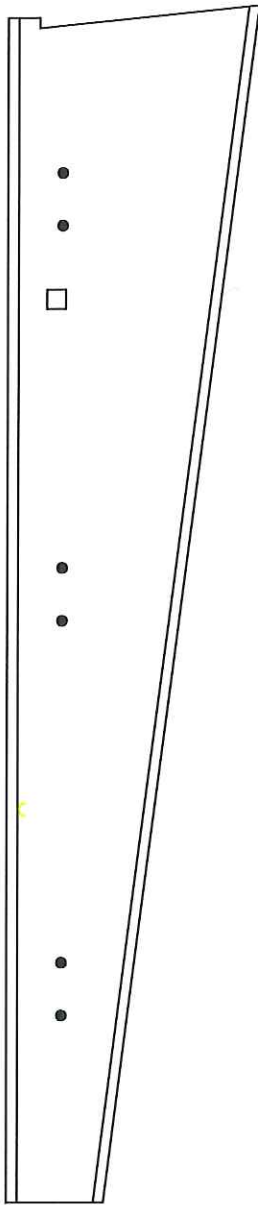
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
CONFERENCE  
CENTER  
**SECTION**  
B



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

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**DATE**  
12/2/2015

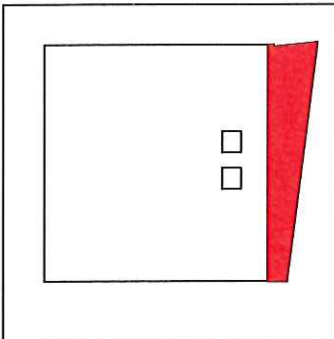


DEFECT KEY

- 2015 NO DEFECT
- 2015 NO DEFECT

SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- DEFECT-REPAIR
- DEFECT-MONITOR



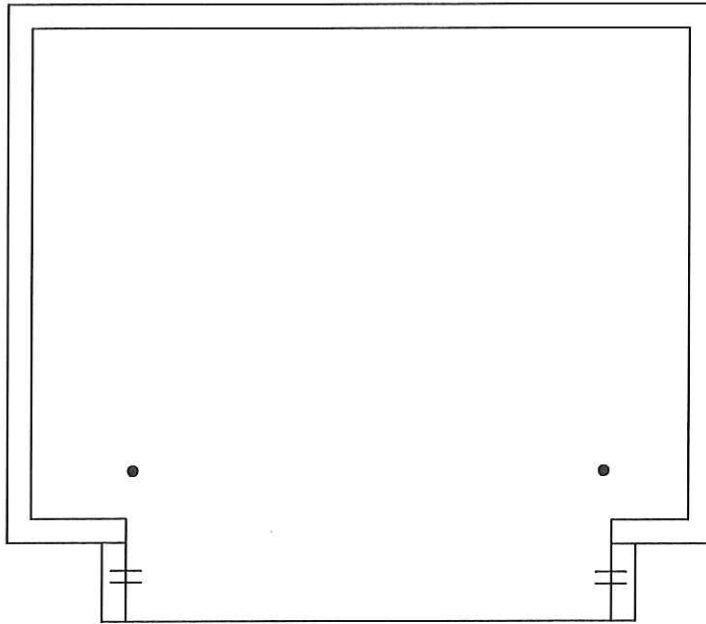
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
CONFERENCE  
CENTER  
**SECTION**  
C



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

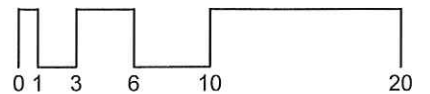
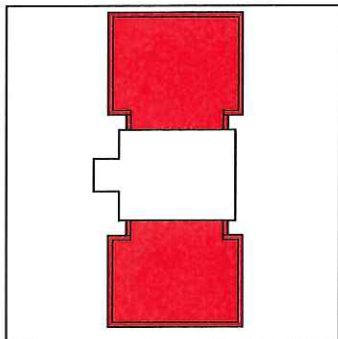
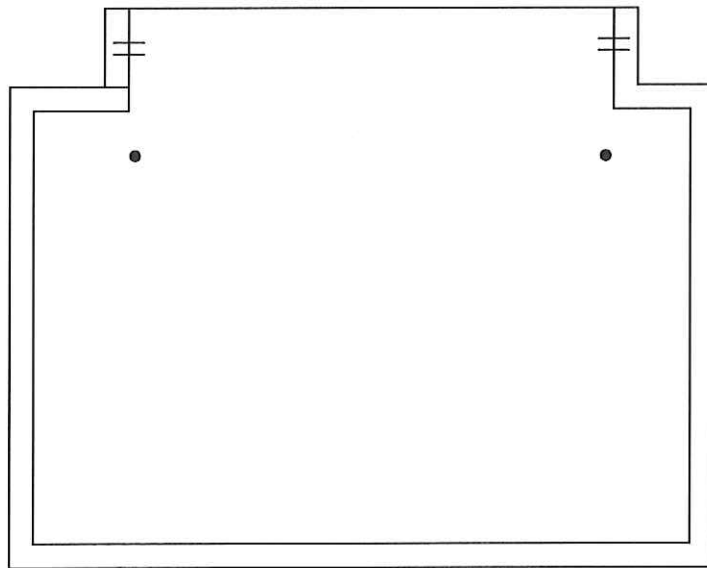


**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

**SYMBOLS KEY**

- ROOF DRAIN
- ⊥ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

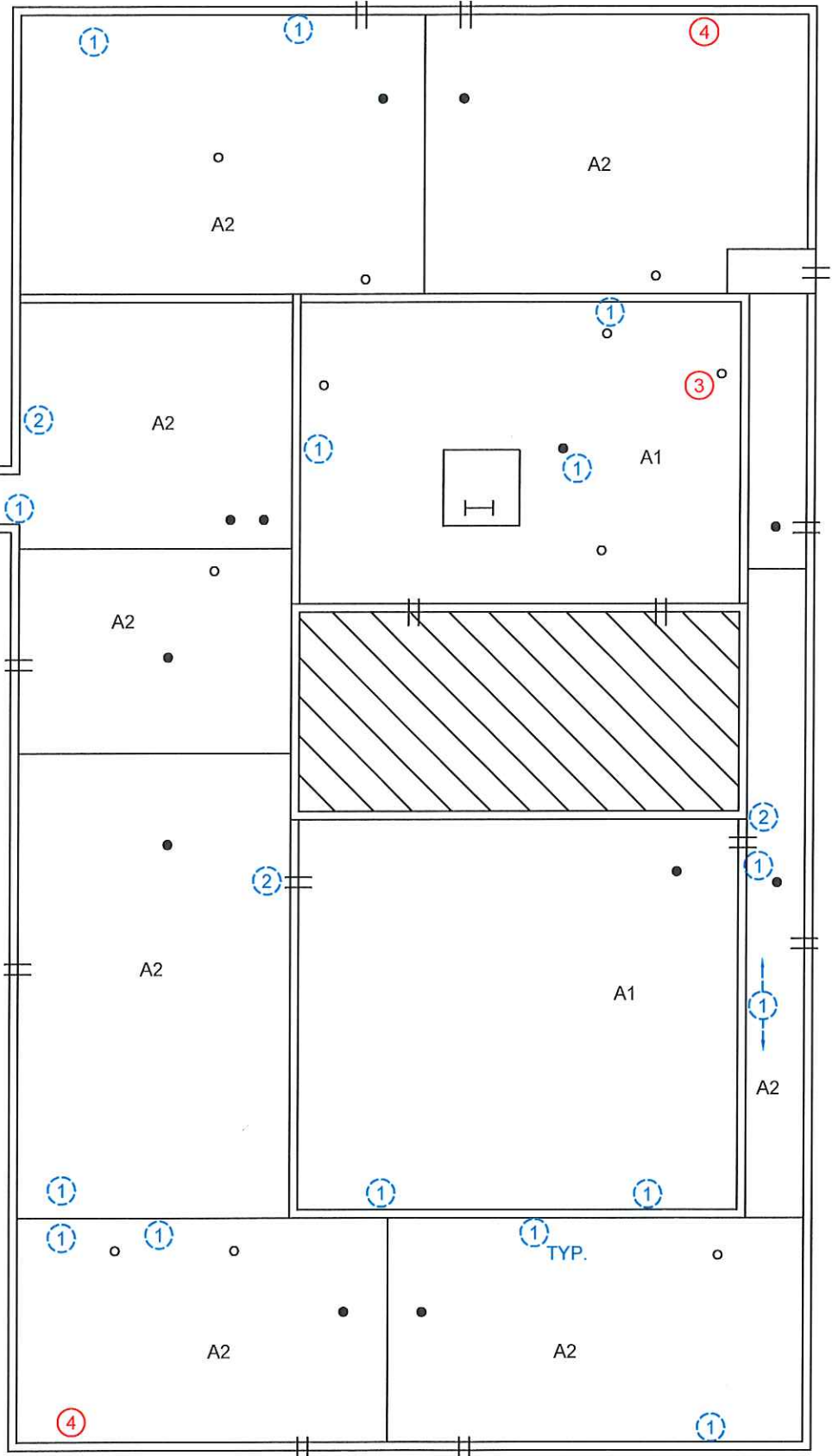


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
DAYCARE CENTER  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

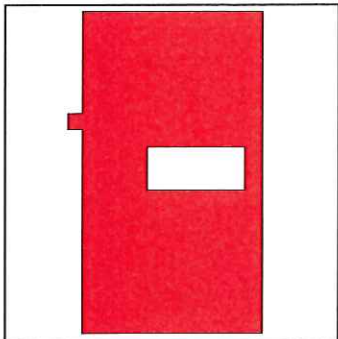


**DEFECT KEY**

- ① BLISTERED BASE FLASHING
- ② EROSION OF AGGREGATE SURFACING
- ③ OPEN STORM COLLAR
- ④ OVERHANGING TREE

**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊥ LADDER
- # DEFECT-REPAIR
- # DEFECT-MONITOR



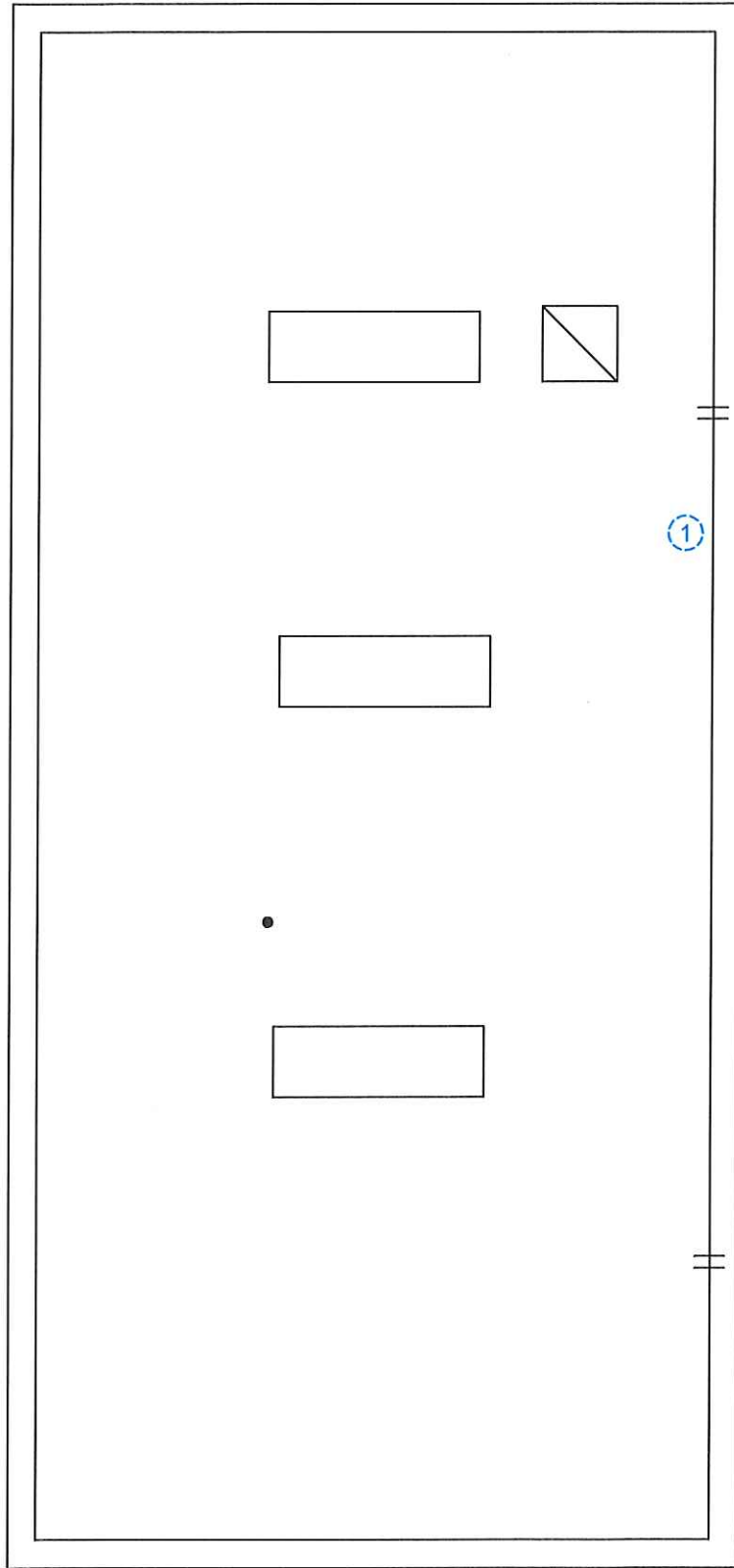
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
FINE ARTS  
  
**SECTION**  
A1-A2

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



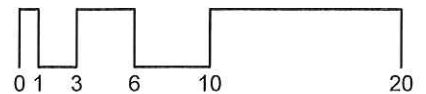
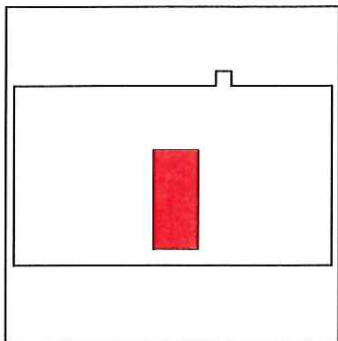


**DEFECT KEY**

① BLISTERED BASE FLASHING

**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- † SCUPPER
- ☒ ROOF HATCH
- # DEFECT-REPAIR
- # DEFECT-MONITOR

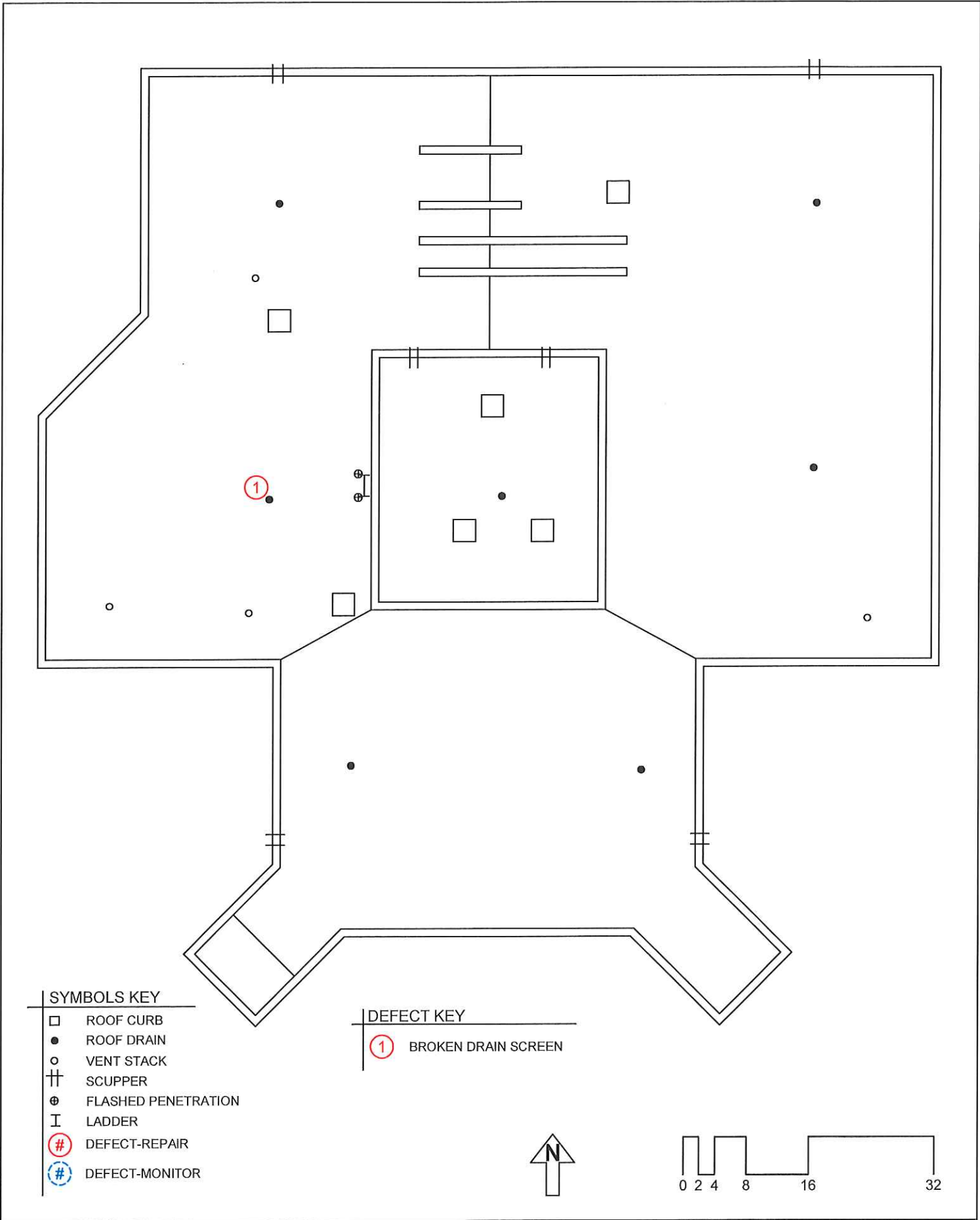


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
FINE ARTS  
  
**SECTION**  
B1

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

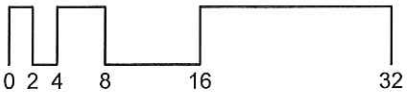


**SYMBOLS KEY**

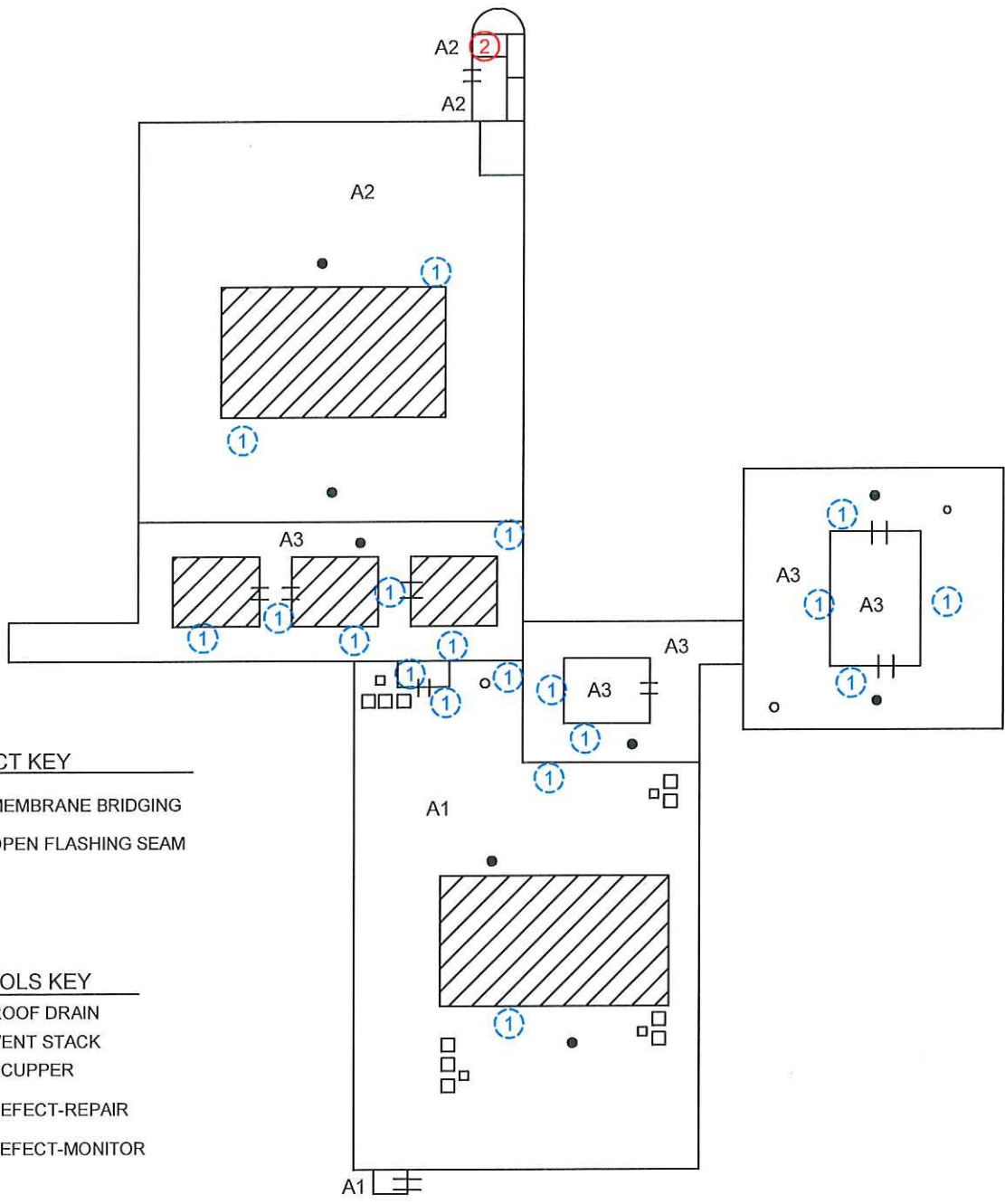
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊕ FLASHED PENETRATION
- I LADDER
- ① DEFECT-REPAIR
- ② DEFECT-MONITOR

**DEFECT KEY**

- ① BROKEN DRAIN SCREEN

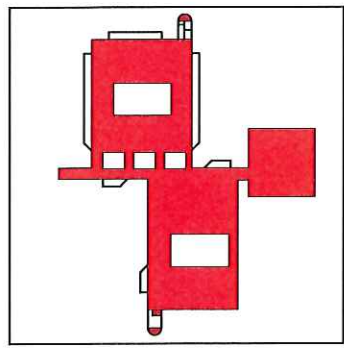



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> FOUNDERS HALL</p> <p><b>SECTION</b> A</p>	<p><b>CLIENT</b></p> <p>MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01</p> <p><b>DATE</b> 12/2/2015</p>
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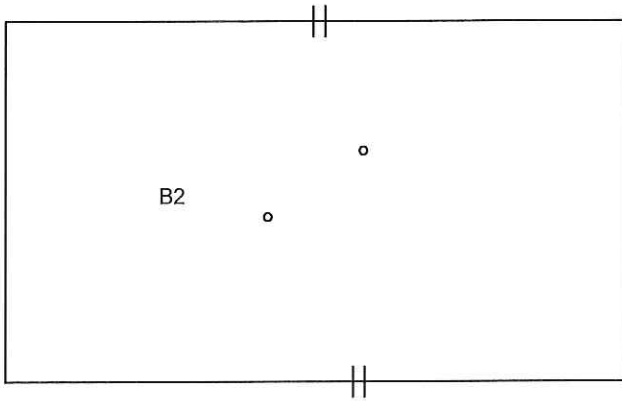


- DEFECT KEY**
- ① MEMBRANE BRIDGING
  - ② OPEN FLASHING SEAM

- SYMBOLS KEY**
- ROOF DRAIN
  - VENT STACK
  - ⊥ SCUPPER
  - ② DEFECT-REPAIR
  - ① DEFECT-MONITOR



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> ILC</p> <p><b>SECTION</b> A1, A2, A3</p>	<p><b>CLIENT</b></p>  <p>MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01</p> <p><b>DATE</b> 12/2/2015</p>
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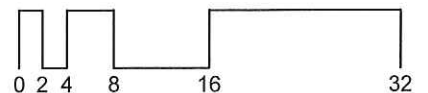
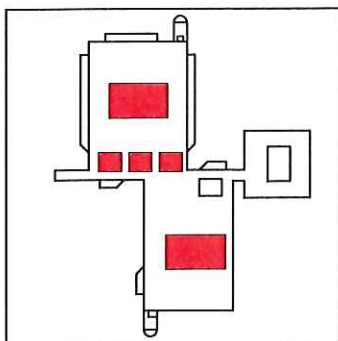
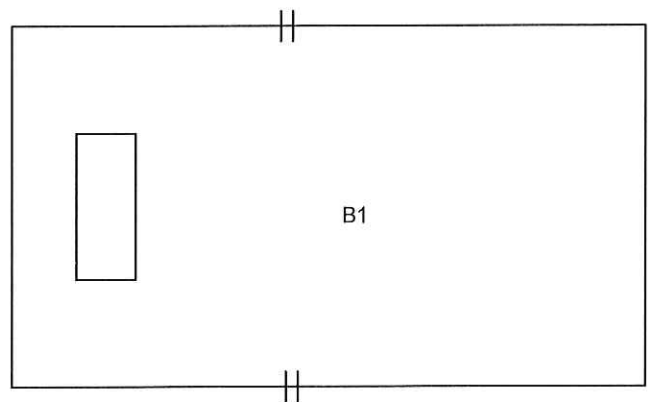
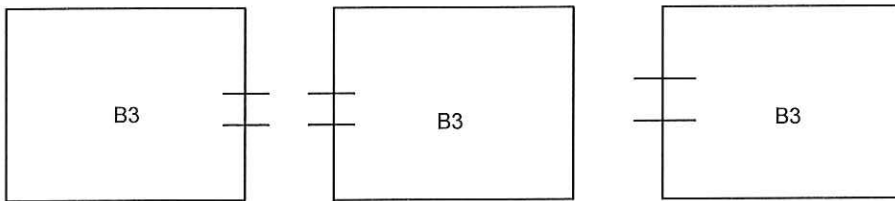


**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

**SYMBOLS KEY**

- ROOF CURB
- VENT STACK
- ≡ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR



**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

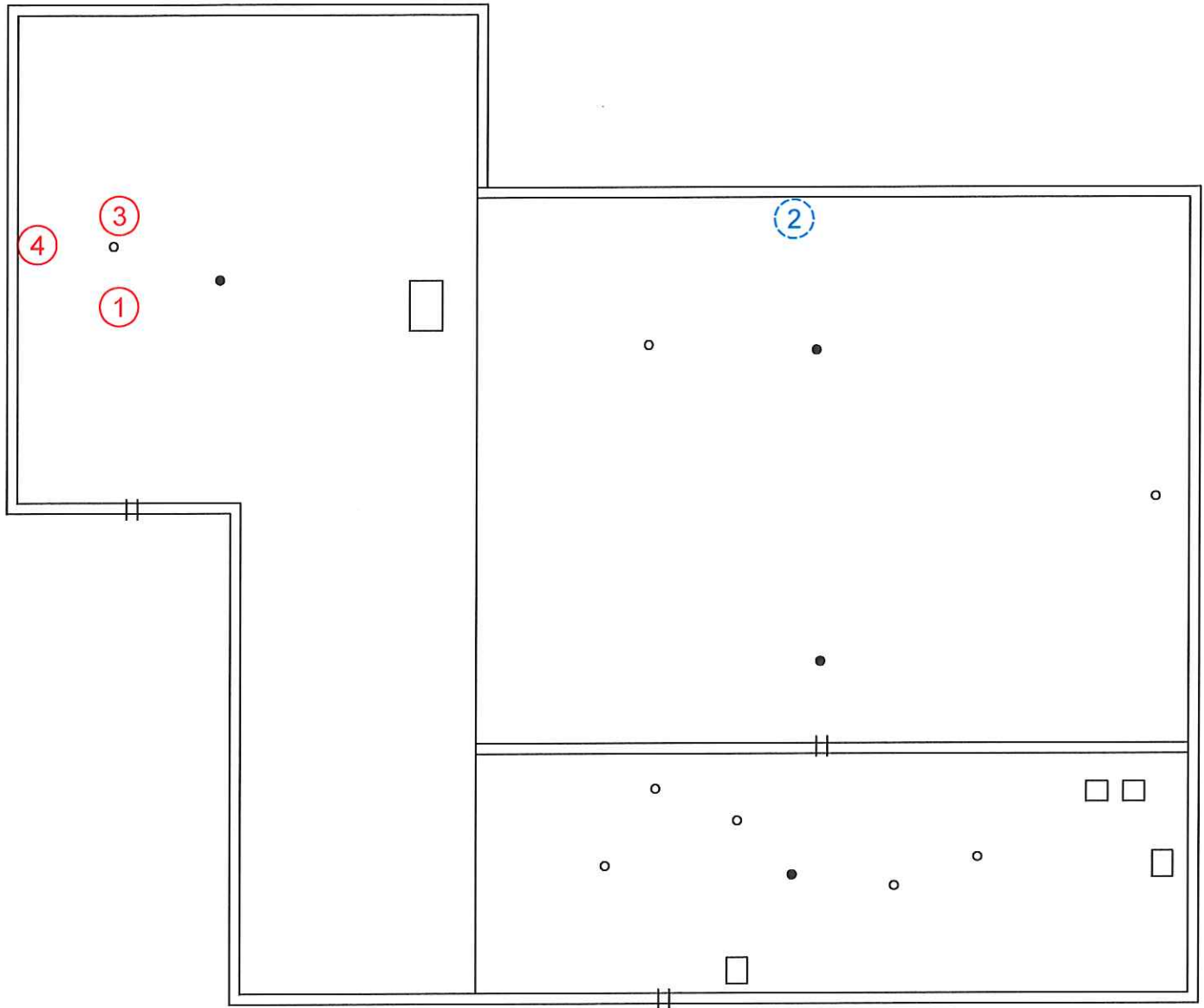
**BUILDING**  
ILC

**SECTION**  
B1, B2, B3.

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01

**DATE**  
12/2/2015

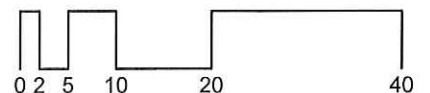


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- Ⓝ DEFECT-REPAIR
- Ⓜ DEFECT-MONITOR

**DEFECT KEY**

- ① SUSPECTED WET INSULATION
- ② BLISTERED BASE FLASHING
- ③ MISSING STACK FLASHING
- ④ VEGETATION / DEBRIS

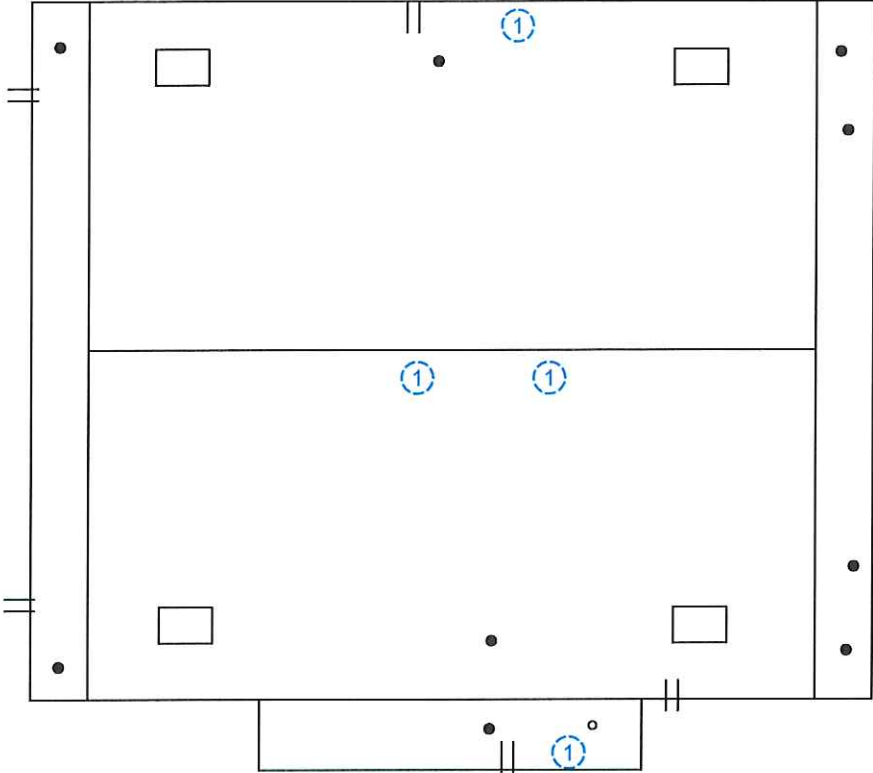


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
MAINTENANCE  
  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSL PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

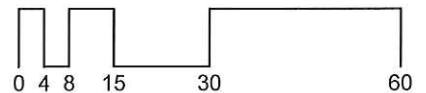
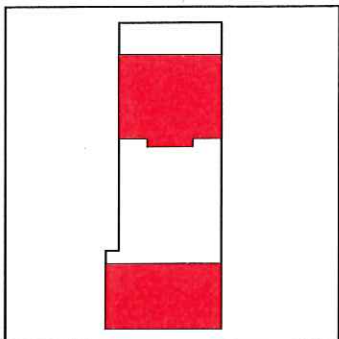
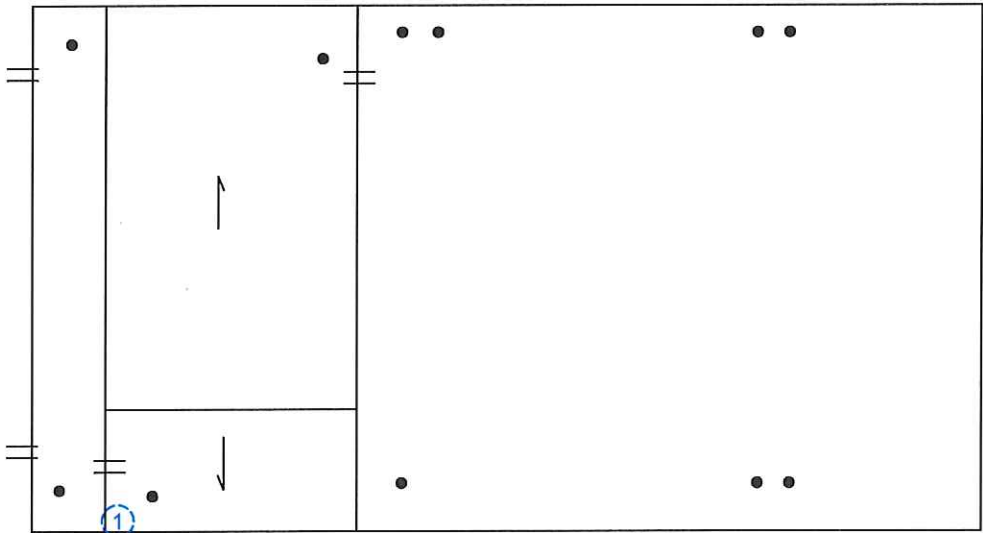


**DEFECT KEY**

- ① BLISTERED BASE FLASHING

**SYMBOLS KEY**

- ROOF DRAIN
- ROOF CURB
- VENT STACK
- || SCUPPER
- ↘ SLOPE DIRECTION
- # DEFECT-REPAIR
- # DEFECT-MONITOR



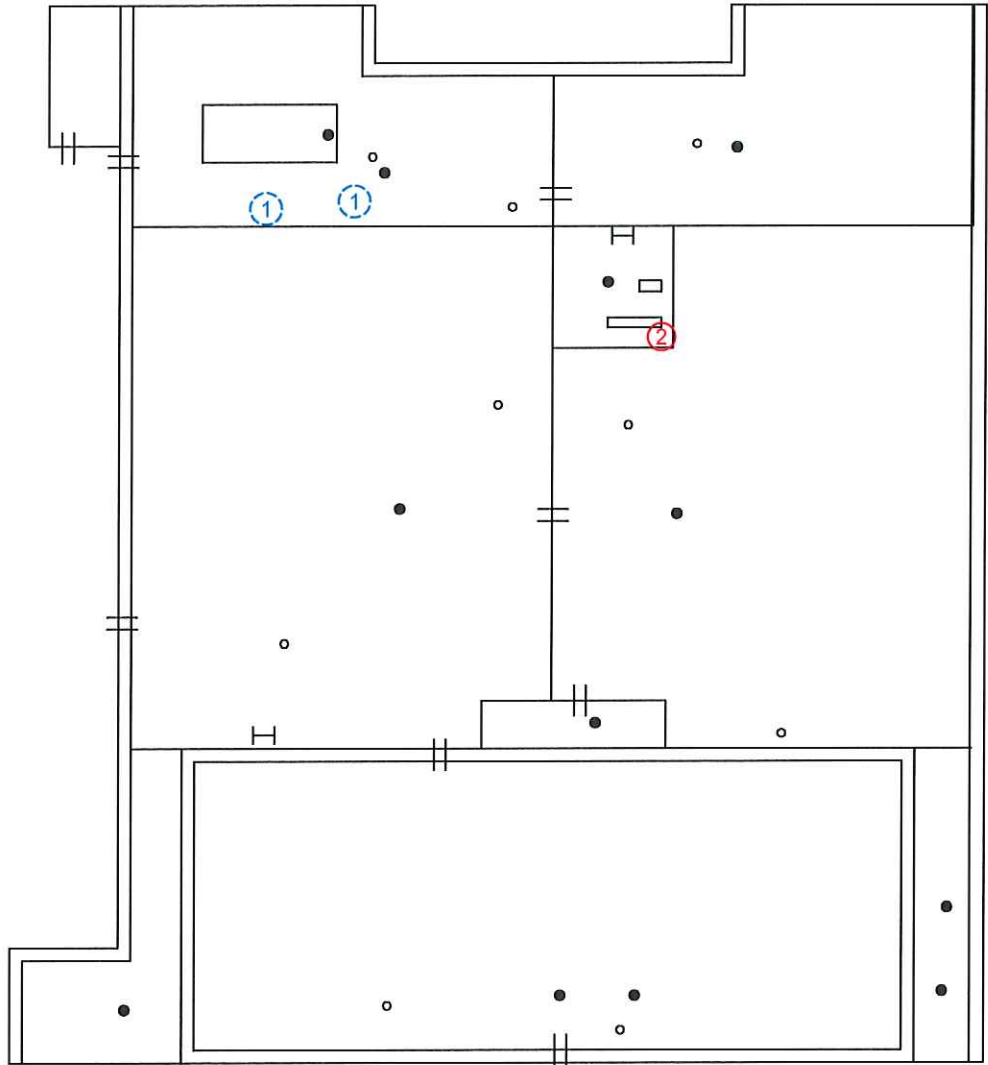
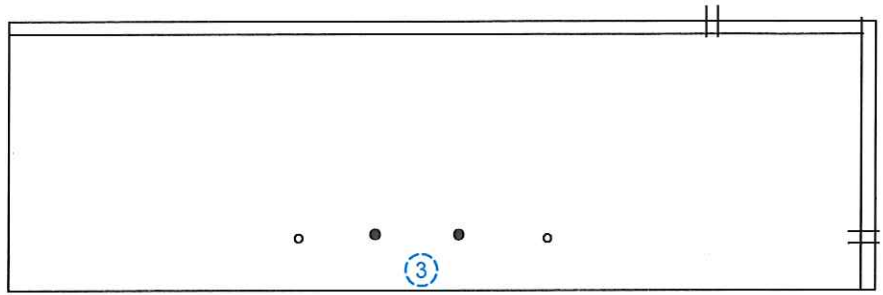
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
PHYSICAL EDUCATION  
  
**SECTION**  
A



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

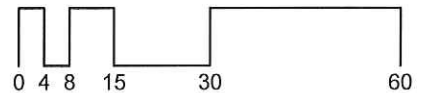
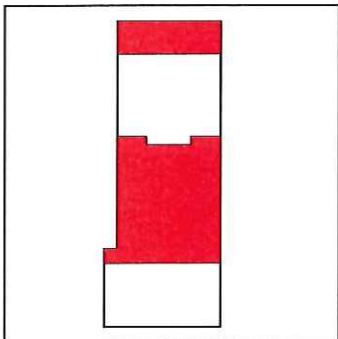


**DEFECT KEY**

- ① BLISTERED BASE FLASHING
- ② VEGETATION / DEBRIS
- ③ EROSION OF AGGREGATE SURFACING

**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊥ LADDER
- Ⓝ DEFECT-REPAIR
- Ⓜ DEFECT-MONITOR



**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
PHYSICAL EDUCATION  
  
**SECTION**  
B

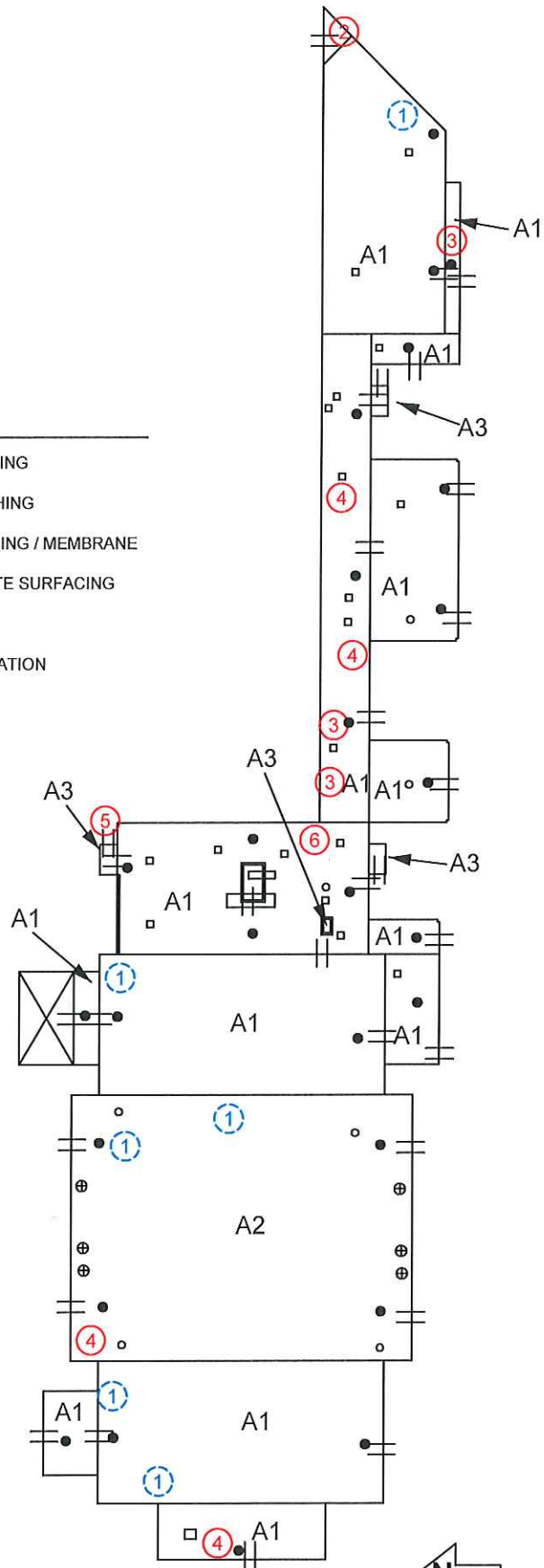
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



**DEFECT KEY**

- ① BLISTERED BASE FLASHING
- ② OPENING IN BASE FLASHING
- ③ BLISTERED BASE FLASHING / MEMBRANE
- ④ EROSION OF AGGREGATE SURFACING
- ⑤ VEGETATION / DEBRIS
- ⑥ SUSPECTED WET INSULATION



**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⦶ SCUPPER
- ⊠ SKYLIGHT
- # DEFECT-REPAIR
- # DEFECT-MONITOR

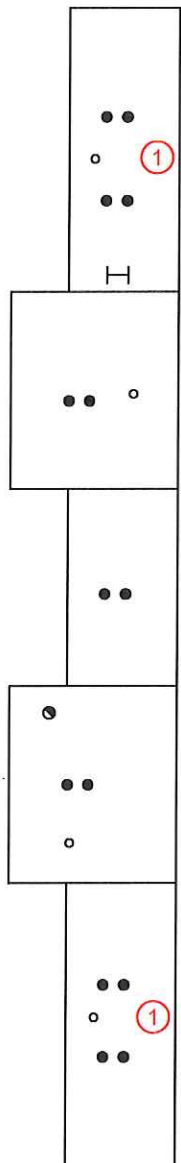
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
RECREATION CENTER  
  
**SECTION**  
A1, A2, A3

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

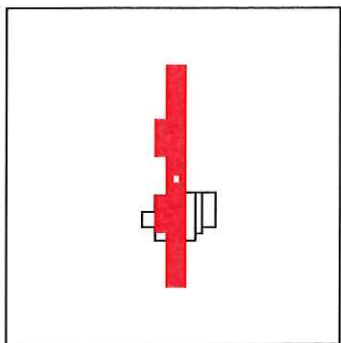
**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015





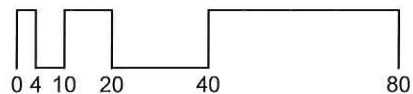
DEFECT KEY

① EROSION OF AGGREGATE SURFACING

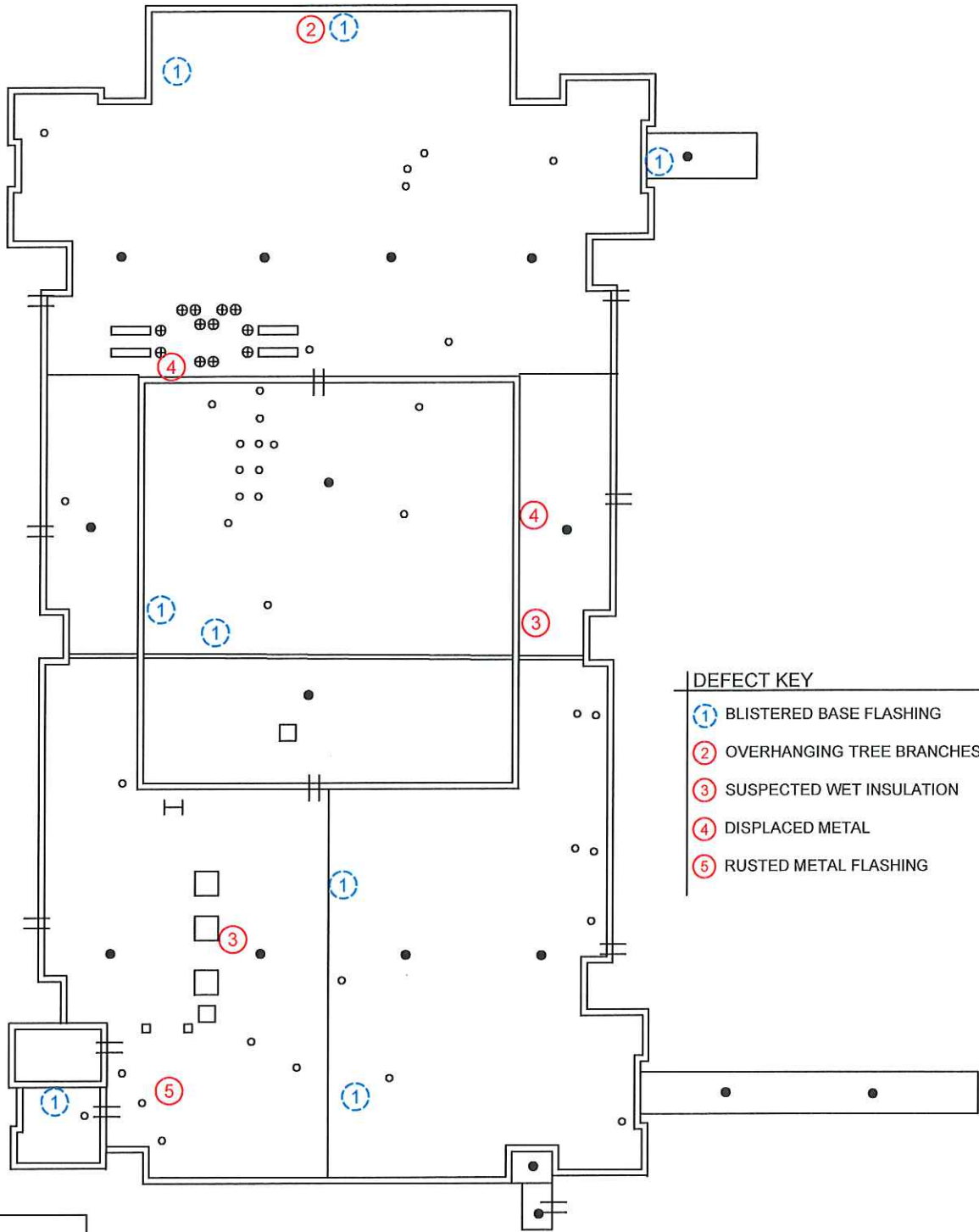


SYMBOLS KEY

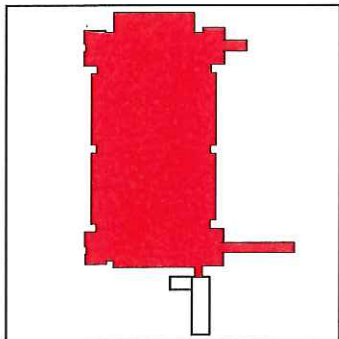
- ROOF DRAIN
- VENT STACK
- ⦿ HEAT STACK
- I LADDER
- ① DEFECT-REPAIR
- ② DEFECT-MONITOR



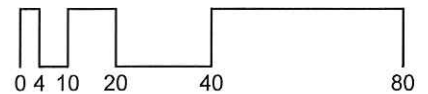
<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> REGIONAL EVENT CENTER <b>SECTION</b> A1, A2, A3</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015</p>
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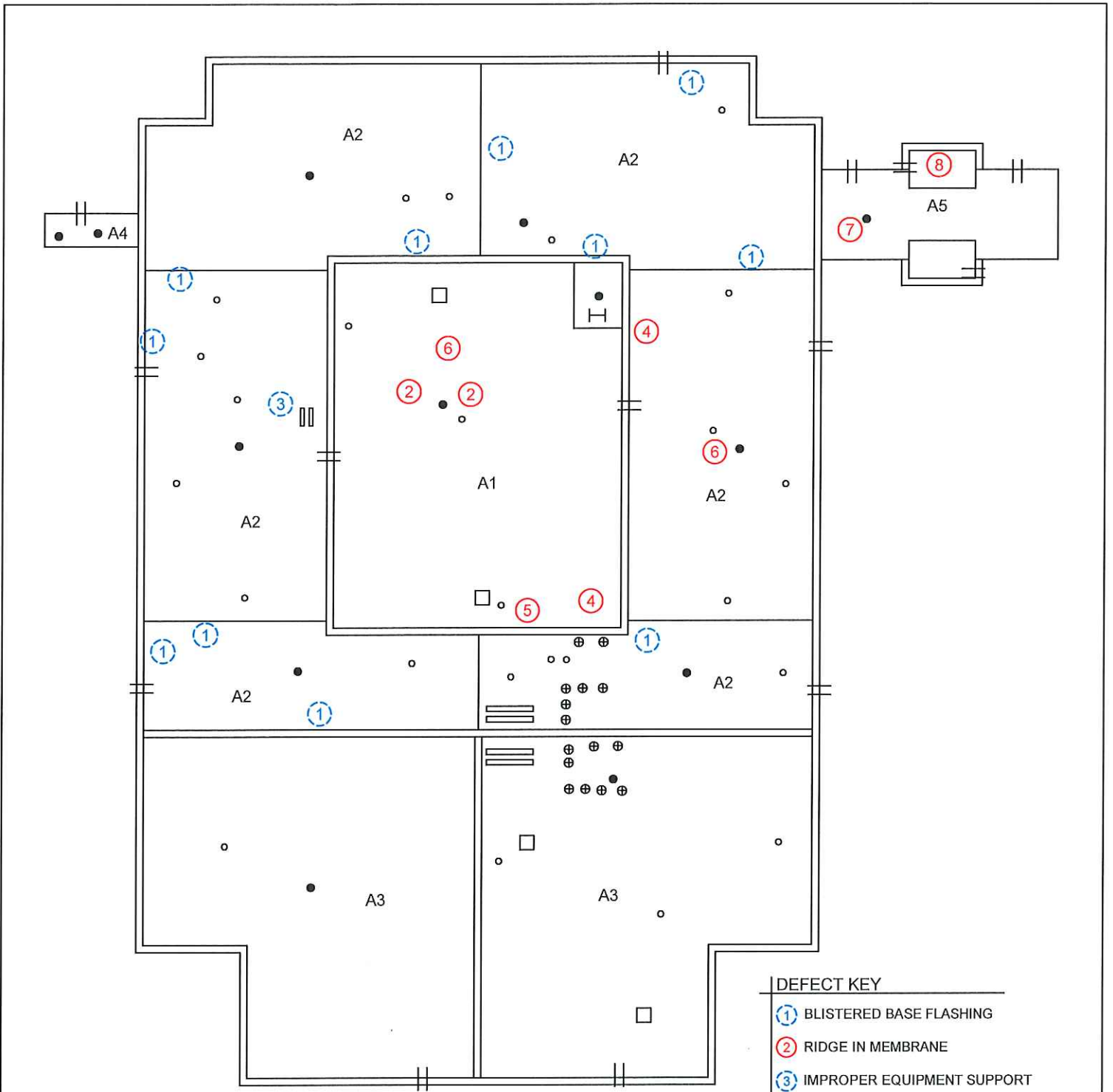
DEFECT KEY	
①	BLISTERED BASE FLASHING
②	OVERHANGING TREE BRANCHES
③	SUSPECTED WET INSULATION
④	DISPLACED METAL
⑤	RUSTED METAL FLASHING



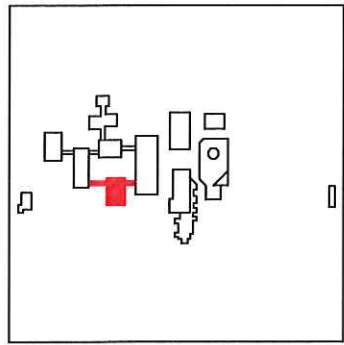
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
⊥	SCUPPER
I	LADDER
①	DEFECT-REPAIR
②	DEFECT-MONITOR



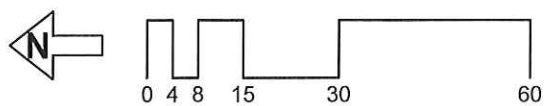
<b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY	<b>BUILDING</b> SCIENCE & MATH  <b>SECTION</b> A	<b>CLIENT</b>  MINNESOTA STATE COLLEGES & UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101	<b>RSI PROJECT NUMBER</b> 15-9779-01  <b>DATE</b> 12/2/2015
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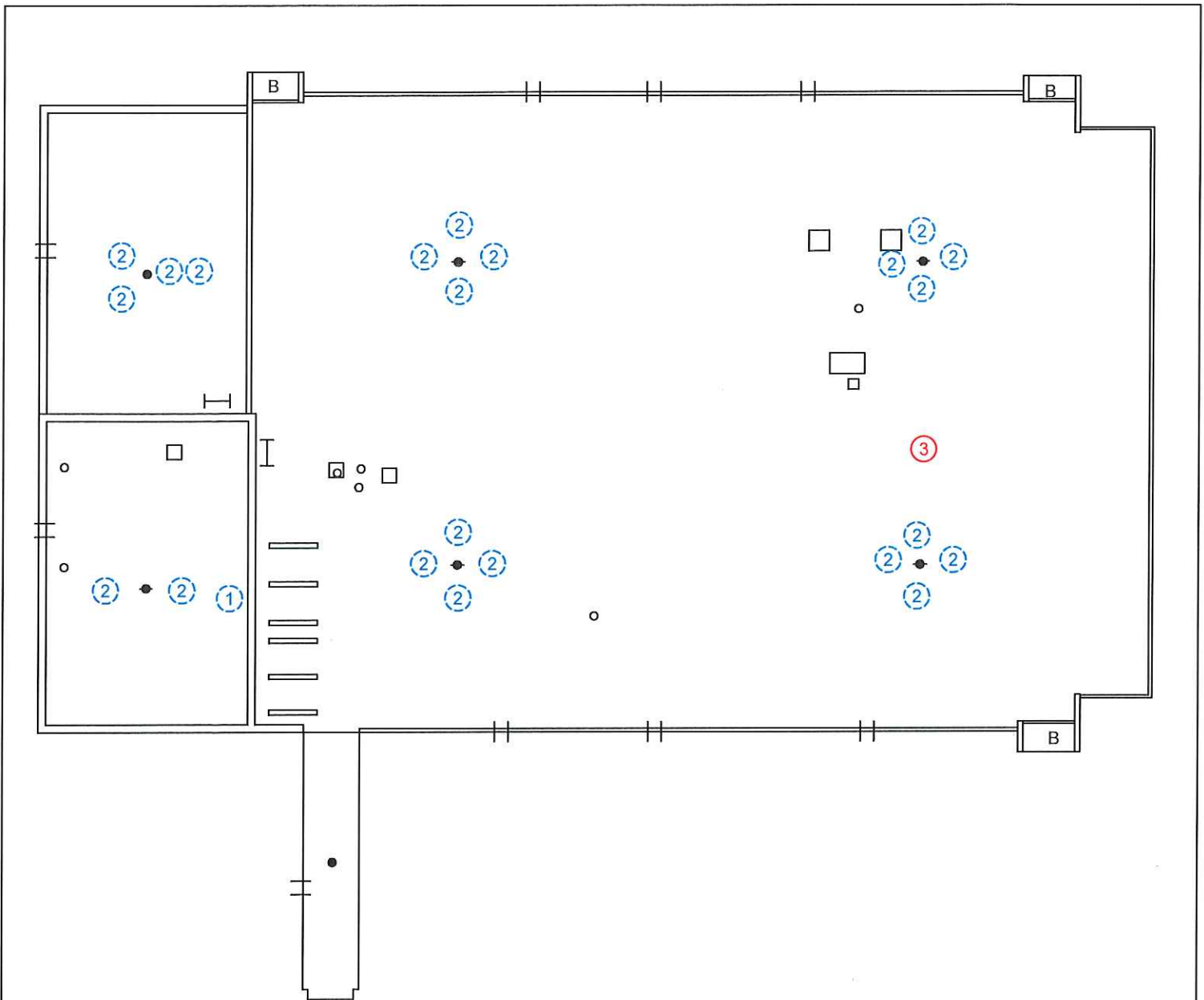
DEFECT KEY	
①	BLISTERED BASE FLASHING
②	RIDGE IN MEMBRANE
③	IMPROPER EQUIPMENT SUPPORT
④	DETERIORATED BASE FLASHING
⑤	CORRODED SHEET METAL
⑥	SUSPECTED WET INSULATION
⑦	SPLIT DRAIN LEAD
⑧	PLUGGED SCUPPER



SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
⊥	SCUPPER
I	LADDER
#	DEFECT-REPAIR
#	DEFECT-MONITOR



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> SCIENCE &amp; TECHNOLOGY <b>SECTION</b> A1, A2, A3, A4, A5</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015</p>
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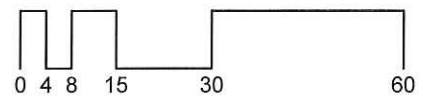
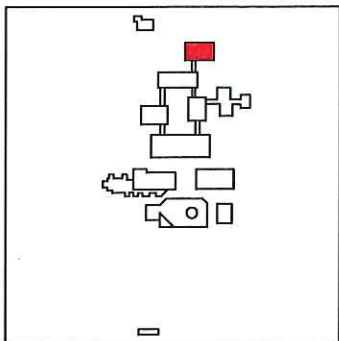


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- I LADDER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- ① BLISTERED BASE FLASHING
- ② EROSION OF AGGREGATE SURFACING
- ③ SUSPECTED WET INSULATION



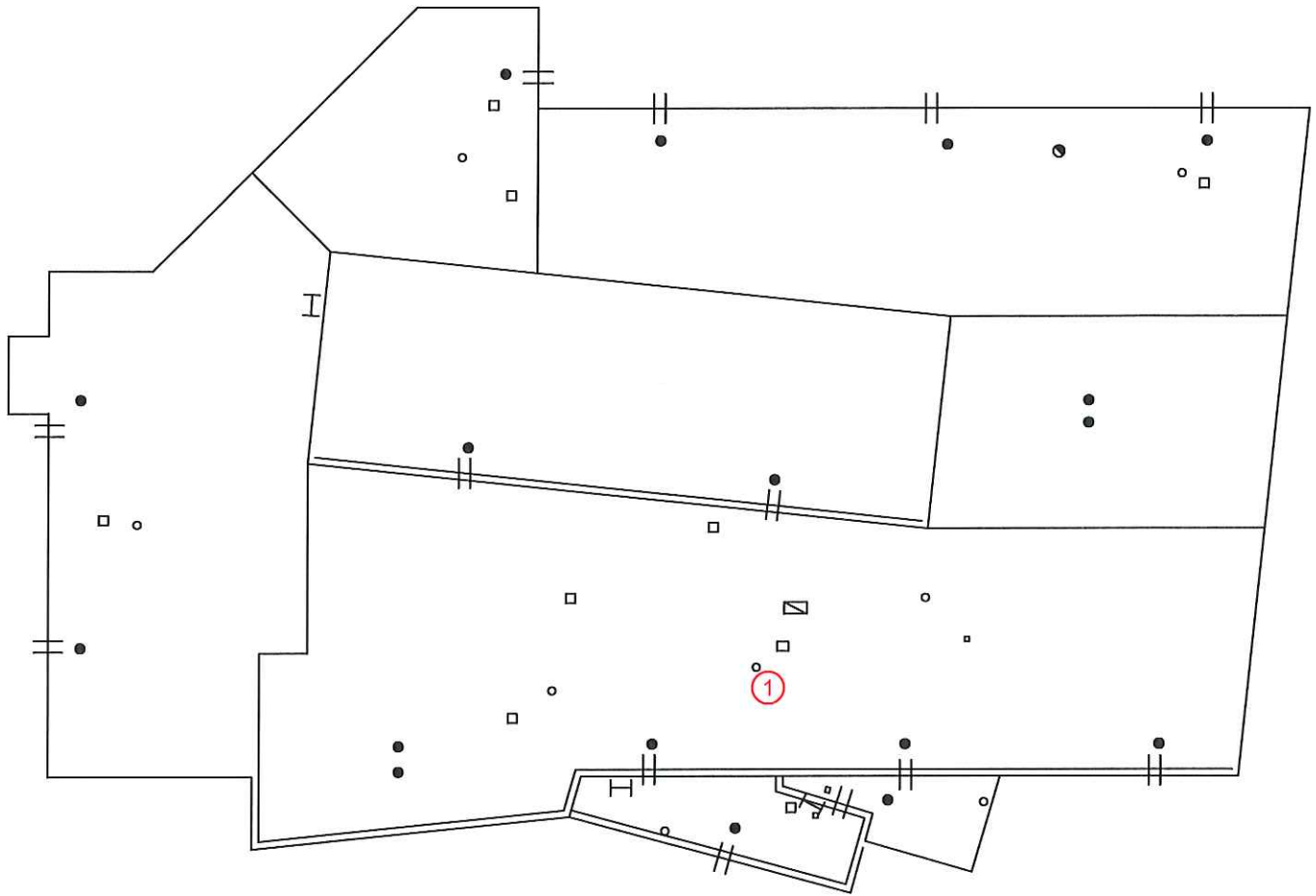
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
SOCIAL SCIENCE  
  
**SECTION**  
A



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
600 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊠ ROOF HATCH
- ① DEFECT-REPAIR
- ② DEFECT-MONITOR

**DEFECT KEY**

- ① CORRODED STACK FLASHING

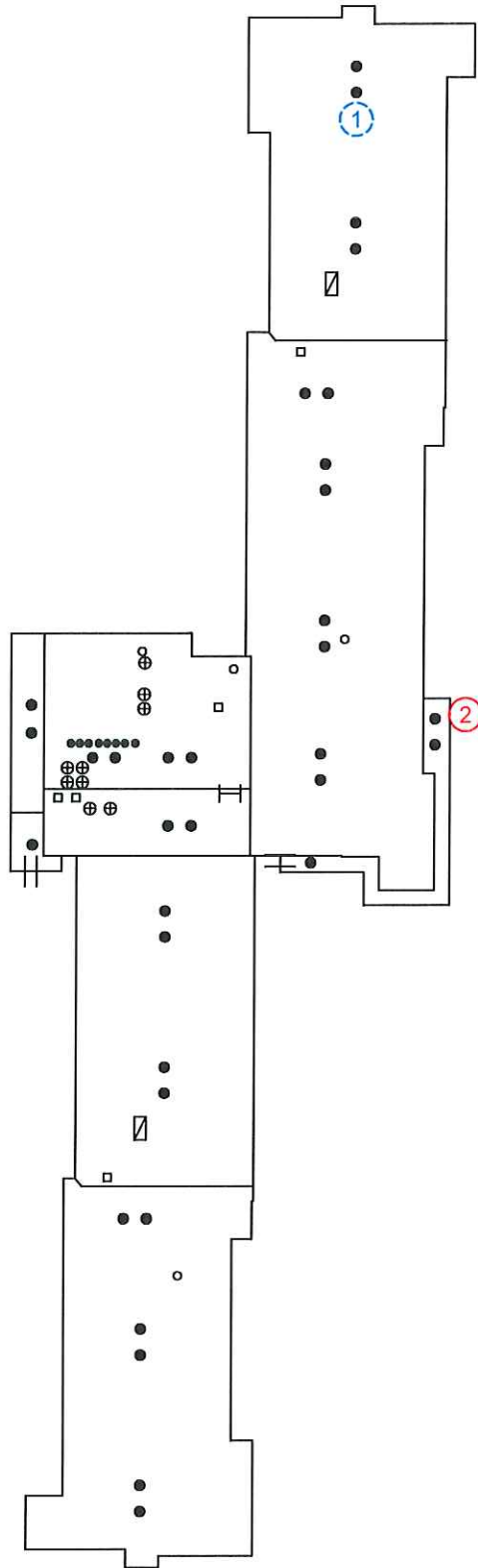


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
STUDENT CENTER  
  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

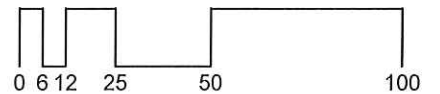



**DEFECT KEY**

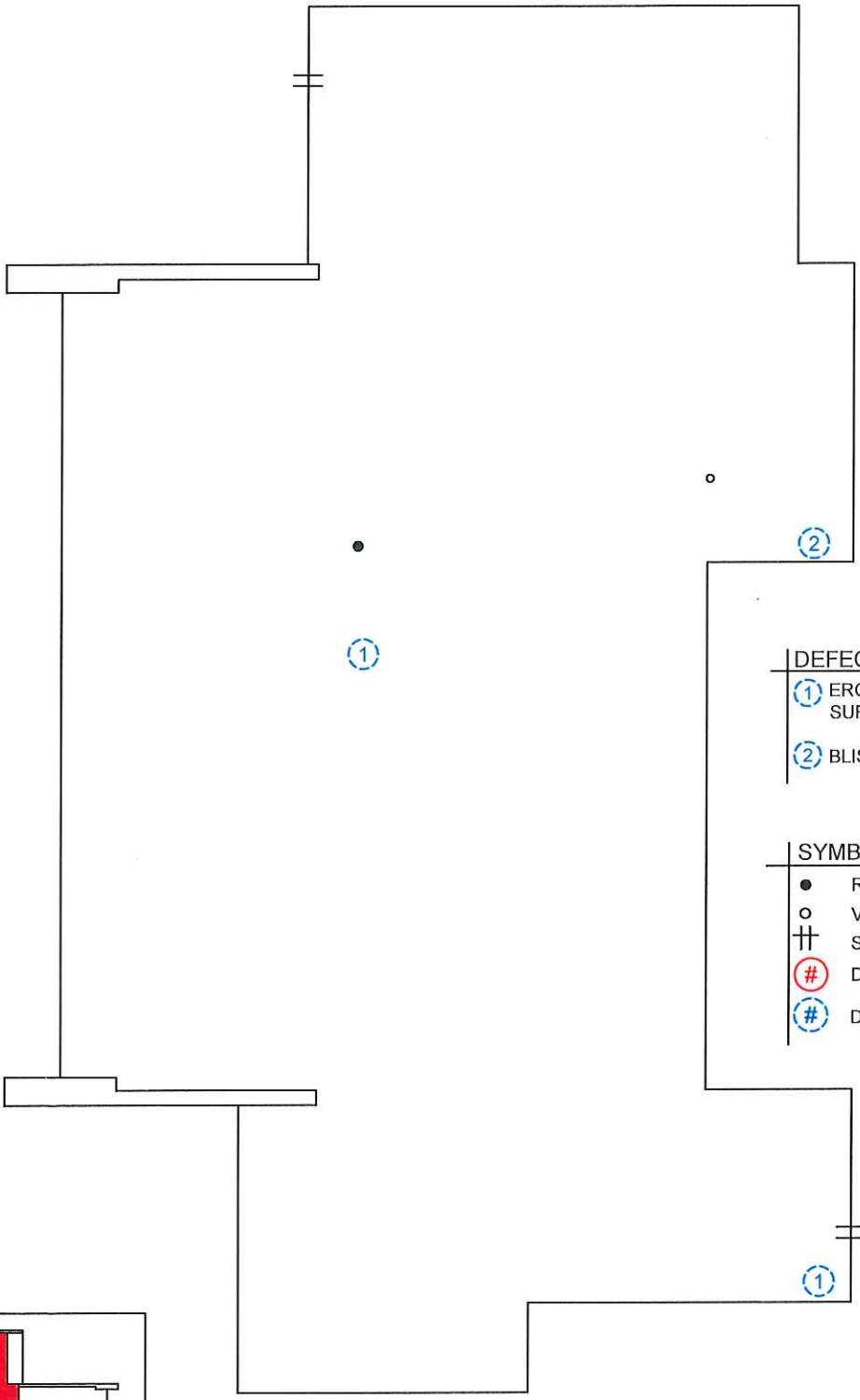
- ① EROSION OF AGGREGATE SURFACING
- ② DEBRIS ON ROOF

**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊞ ROOF HATCH
- ⊕ FLASHED PENETRATION
- ⊥ LADDER
- # DEFECT-REPAIR
- # DEFECT-MONITOR



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> SWEETLAND HALL</p> <p><b>SECTION</b> A</p>	<p><b>CLIENT</b></p>  <p>MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01</p> <p><b>DATE</b> 12/2/2015</p>
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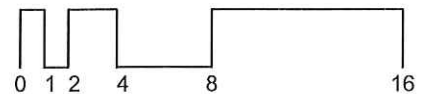
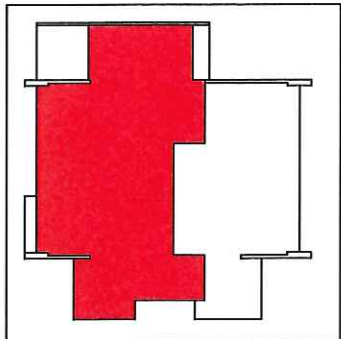


**DEFECT KEY**

- ① EROSION OF AGGREGATE SURFACING
- ② BLISTERED BASE FLASHING

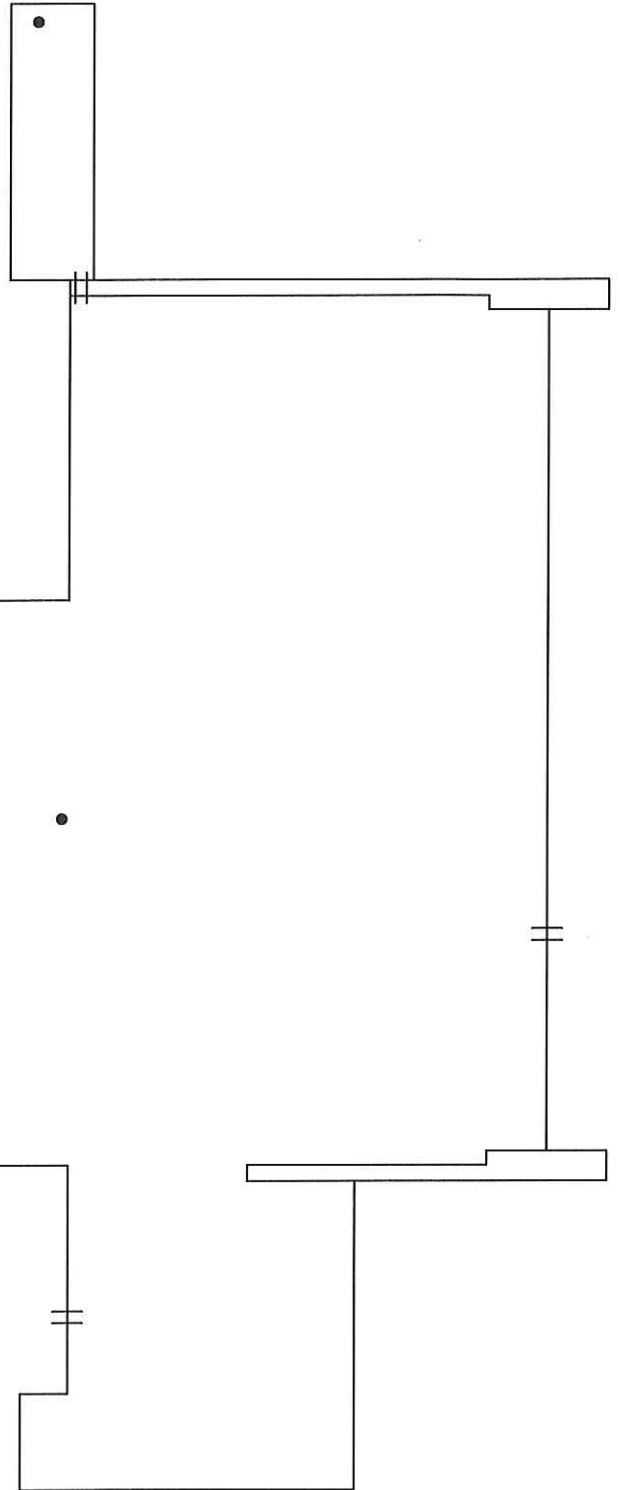
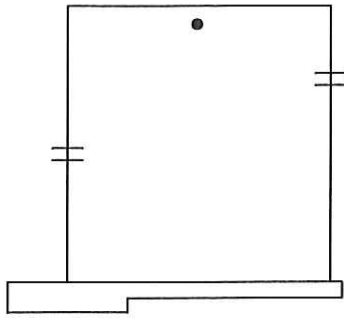
**SYMBOLS KEY**

- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> G1 - MANCHESTER <b>DORM</b> <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015</p>
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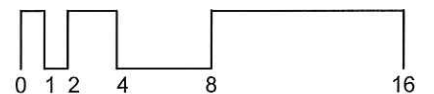
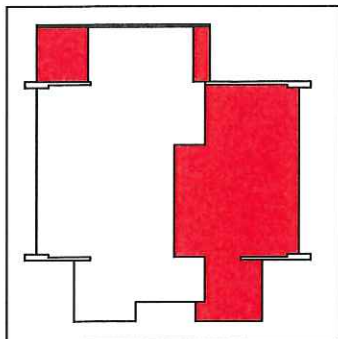


DEFECT KEY

① BLISTERED BASE FLASHING

SYMBOLS KEY

- ROOF DRAIN
- †† SCUPPER
- ① DEFECT-REPAIR
- ② DEFECT-MONITOR



CAMPUS  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

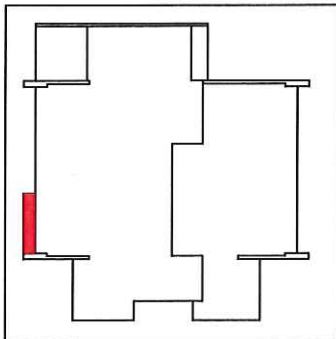
BUILDING  
G1 - MANCHESTER  
DORM  
SECTION  
A1



CLIENT  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

RSI PROJECT NUMBER  
15-9779-01  
DATE  
12/2/2015



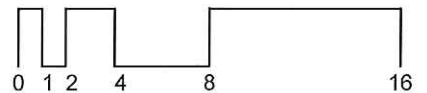


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

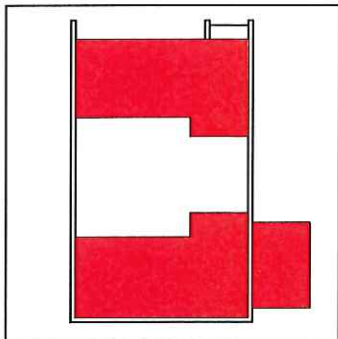
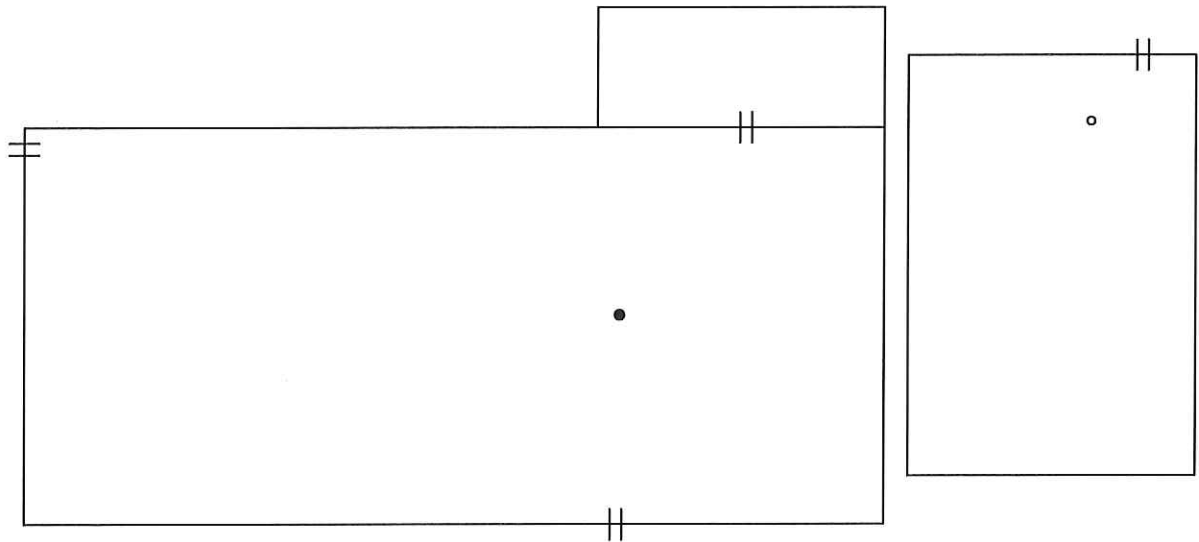
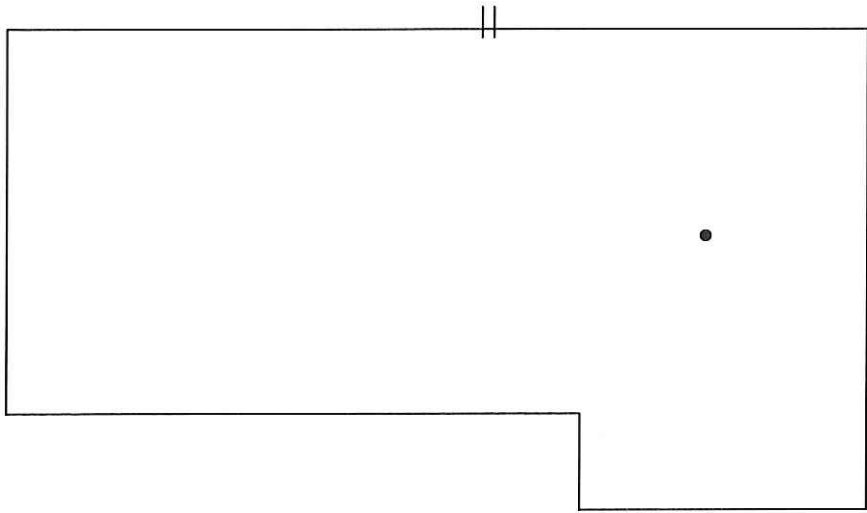


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
G1 - MANCHESTER  
DORM  
**SECTION**  
B

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

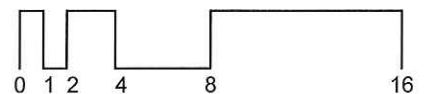
**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



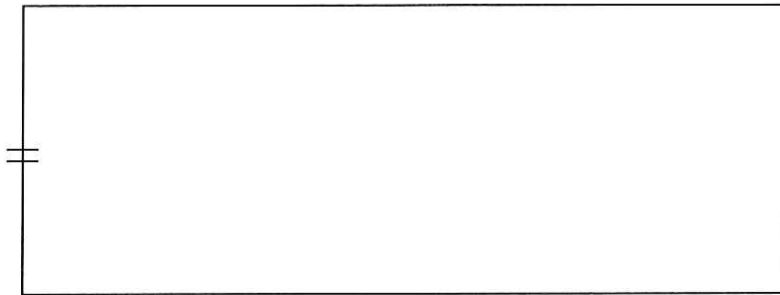
- SYMBOLS KEY**
- ROOF DRAIN
  - ⊥ SCUPPER
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> G2 - CHARISMA DORM <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015</p>
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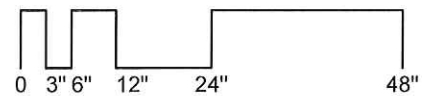
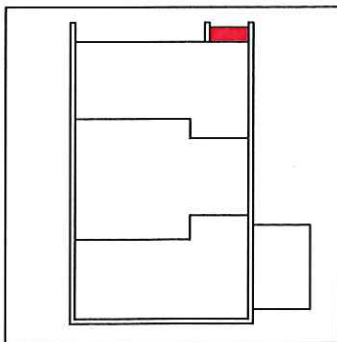


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

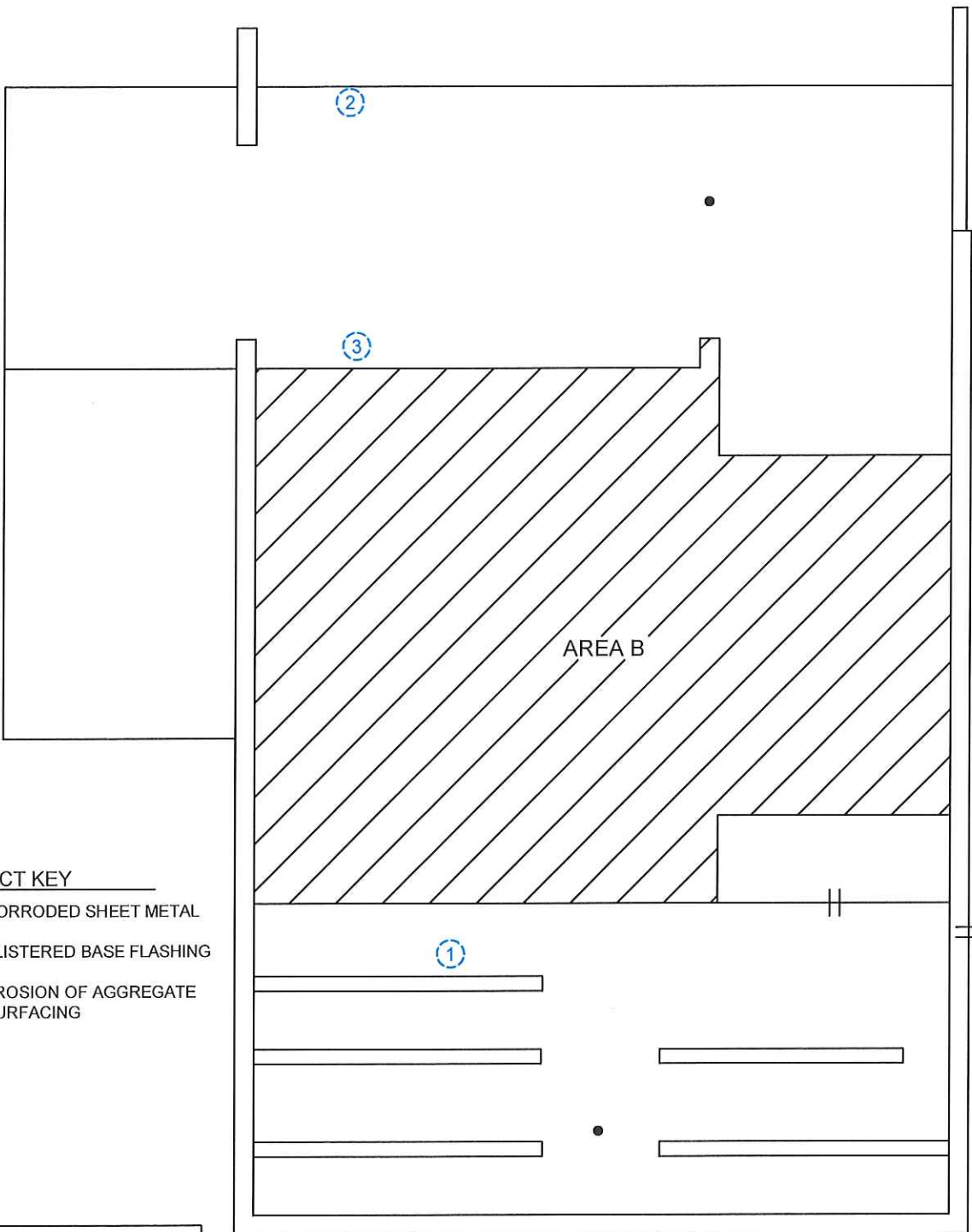


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
G2 - CHARISMA  
DORM  
**SECTION**  
B

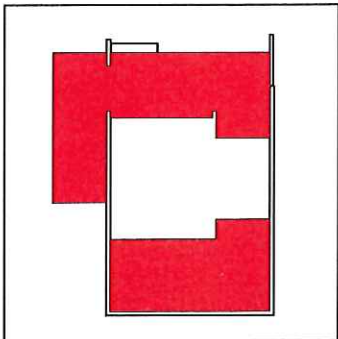
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



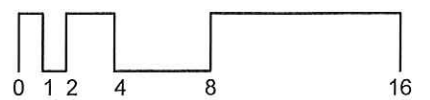
**DEFECT KEY**

- ① CORRODED SHEET METAL
- ② BLISTERED BASE FLASHING
- ③ EROSION OF AGGREGATE SURFACING



**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- ⊥ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR



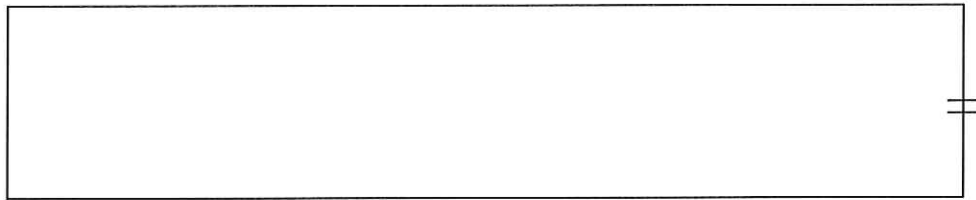
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
G3 - LINCOLN CENTER  
**DORM**  
**SECTION**  
A



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

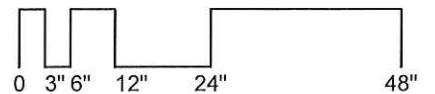
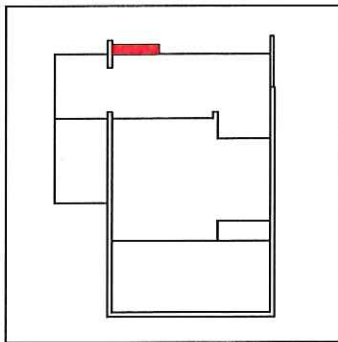


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

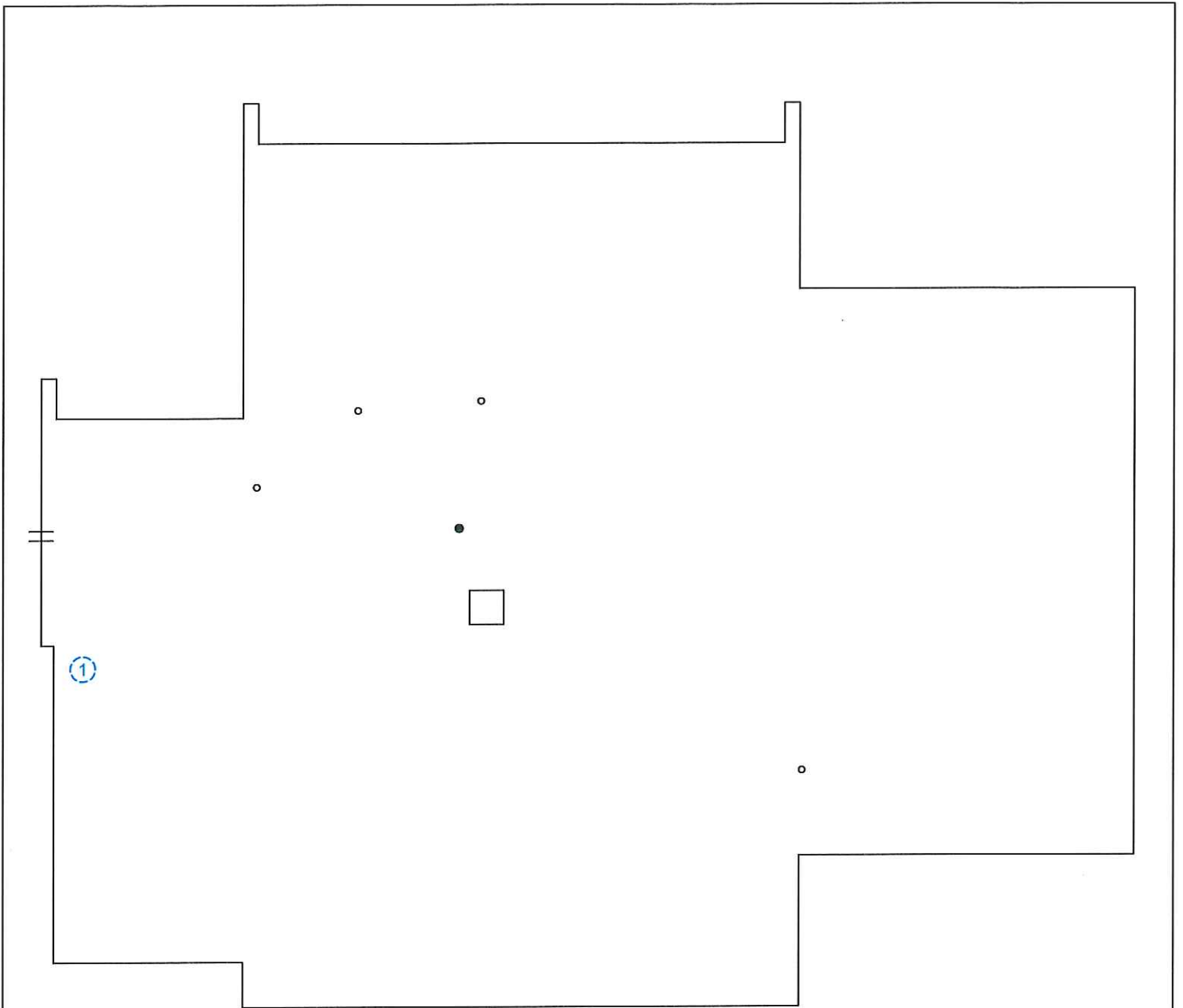


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
G3 - LINCOLN CENTER  
**DORM**  
**SECTION**  
C

**CLIENT**  
  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

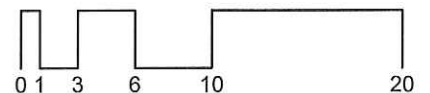
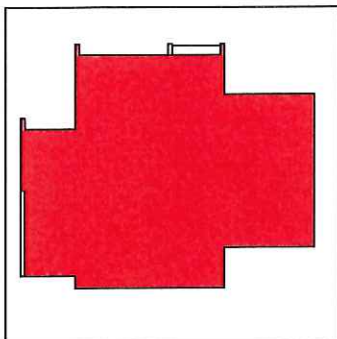


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- †† SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- ① BLISTERED BASE FLASHING

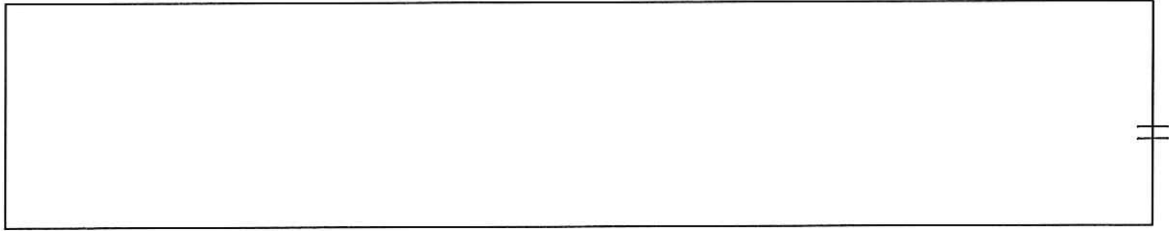


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
G4 - AQUARIUS  
DORM  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

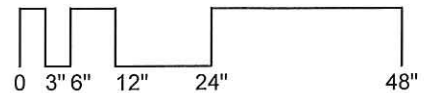
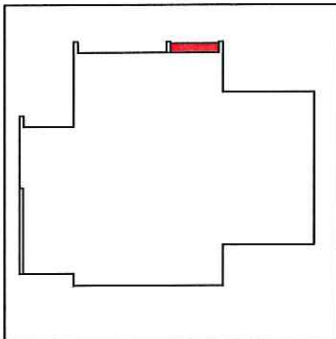


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



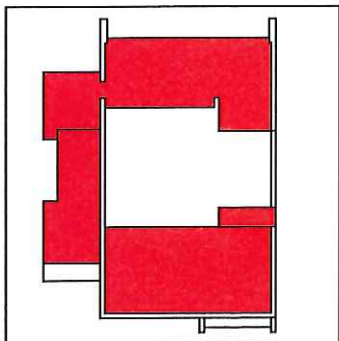
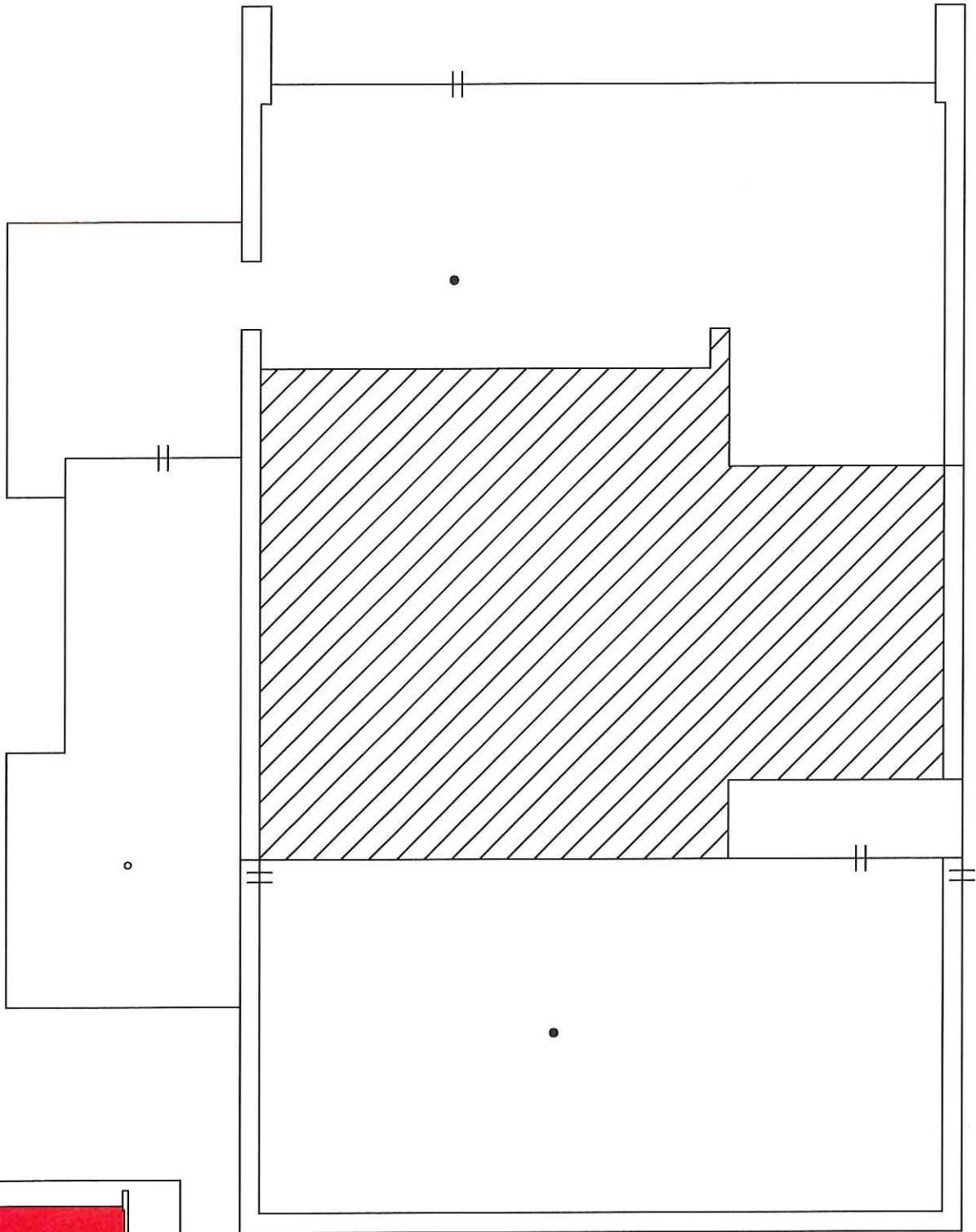
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
G4 - AQUARIUS  
**DORM**  
**SECTION**  
B



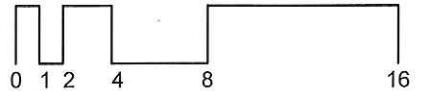
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



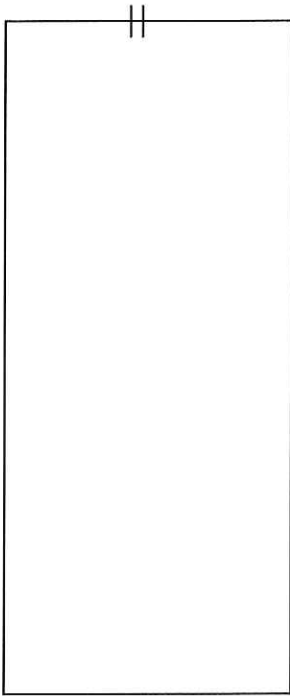
- SYMBOLS KEY**
- ROOF DRAIN
  - ⊥ SCUPPER
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

- DEFECT KEY**
- # 2015 NO DEFECT
  - # 2015 NO DEFECT



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> GM1 - HOMESTEAD <b>DORM</b> <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015</p>
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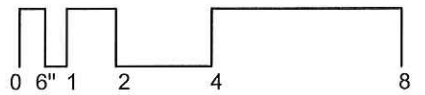
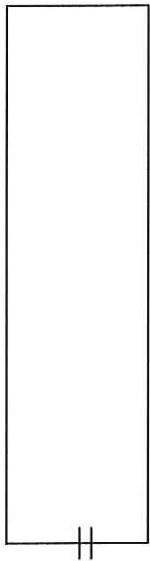
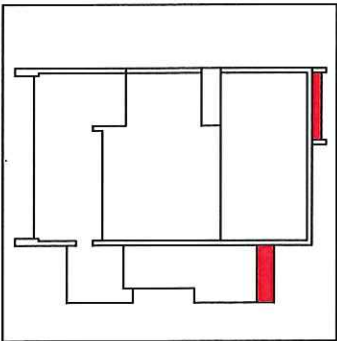


**DEFECT KEY**

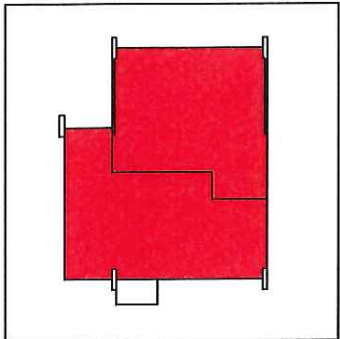
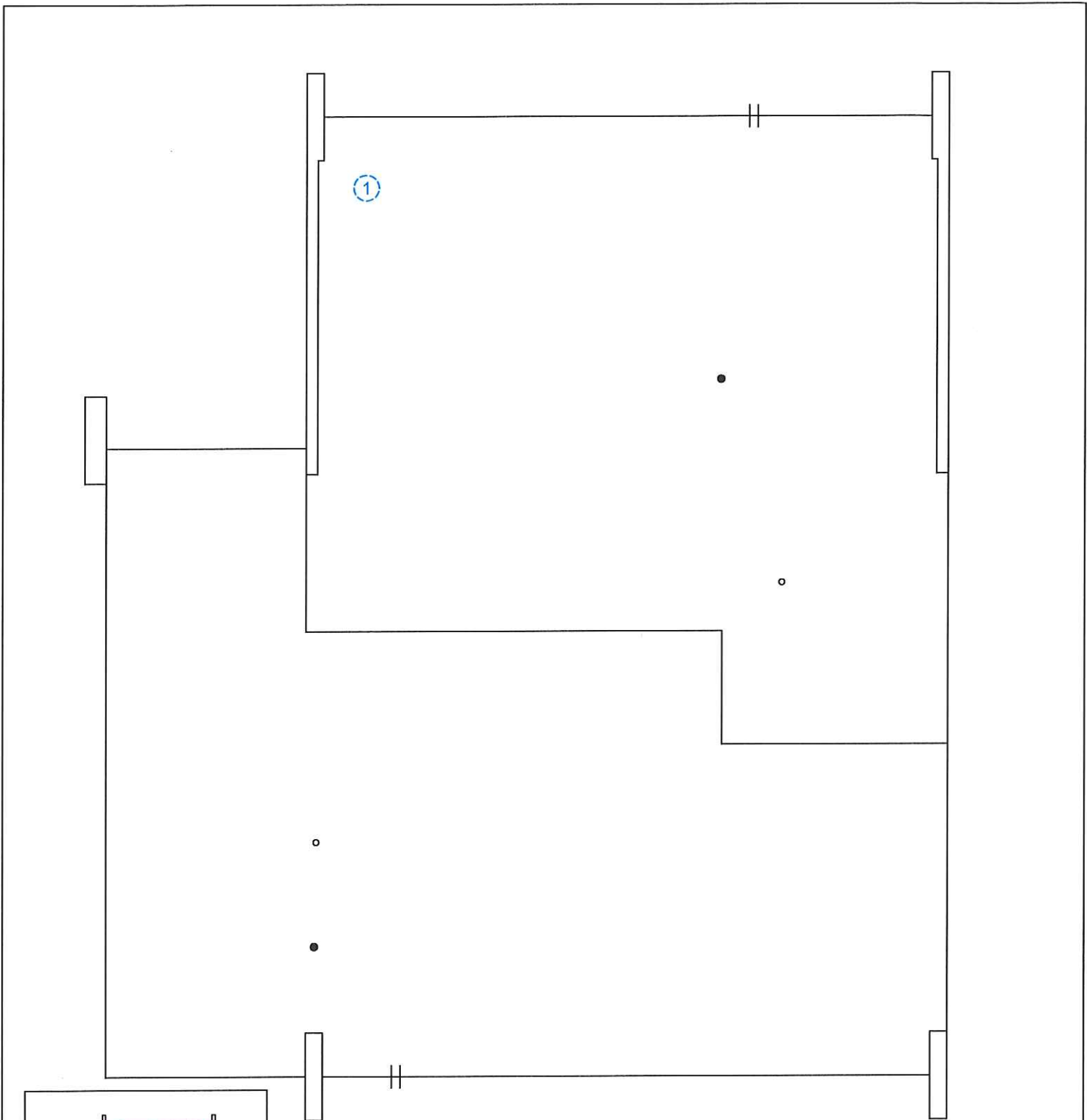
- # 2015 NO DEFECT
- # 2015 NO DEFECT

**SYMBOLS KEY**

- ⌈⌋ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

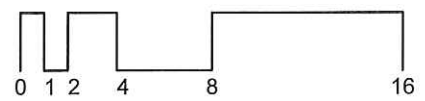


<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> GM1 - HOMESTEAD <b>DORM</b> <b>SECTION</b> B</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015</p>
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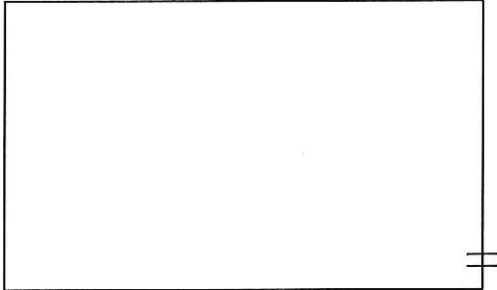


SYMBOLS KEY	
●	ROOF DRAIN
○	VENT STACK
⊕	SCUPPER
#	DEFECT-REPAIR
#	DEFECT-MONITOR

DEFECT KEY	
①	EROSION OF AGGREGATE SURFACING



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> GM2 - ARMSTRONG DORM <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/2/2015</p>
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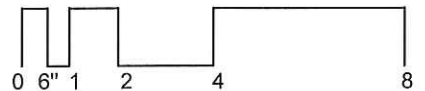
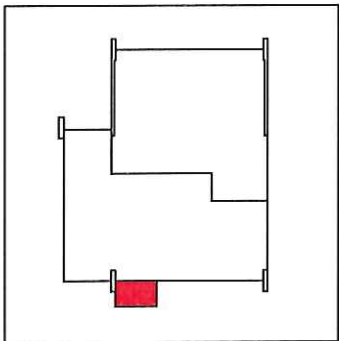


**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

**SYMBOLS KEY**

- || SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR



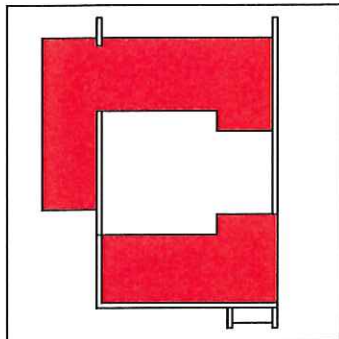
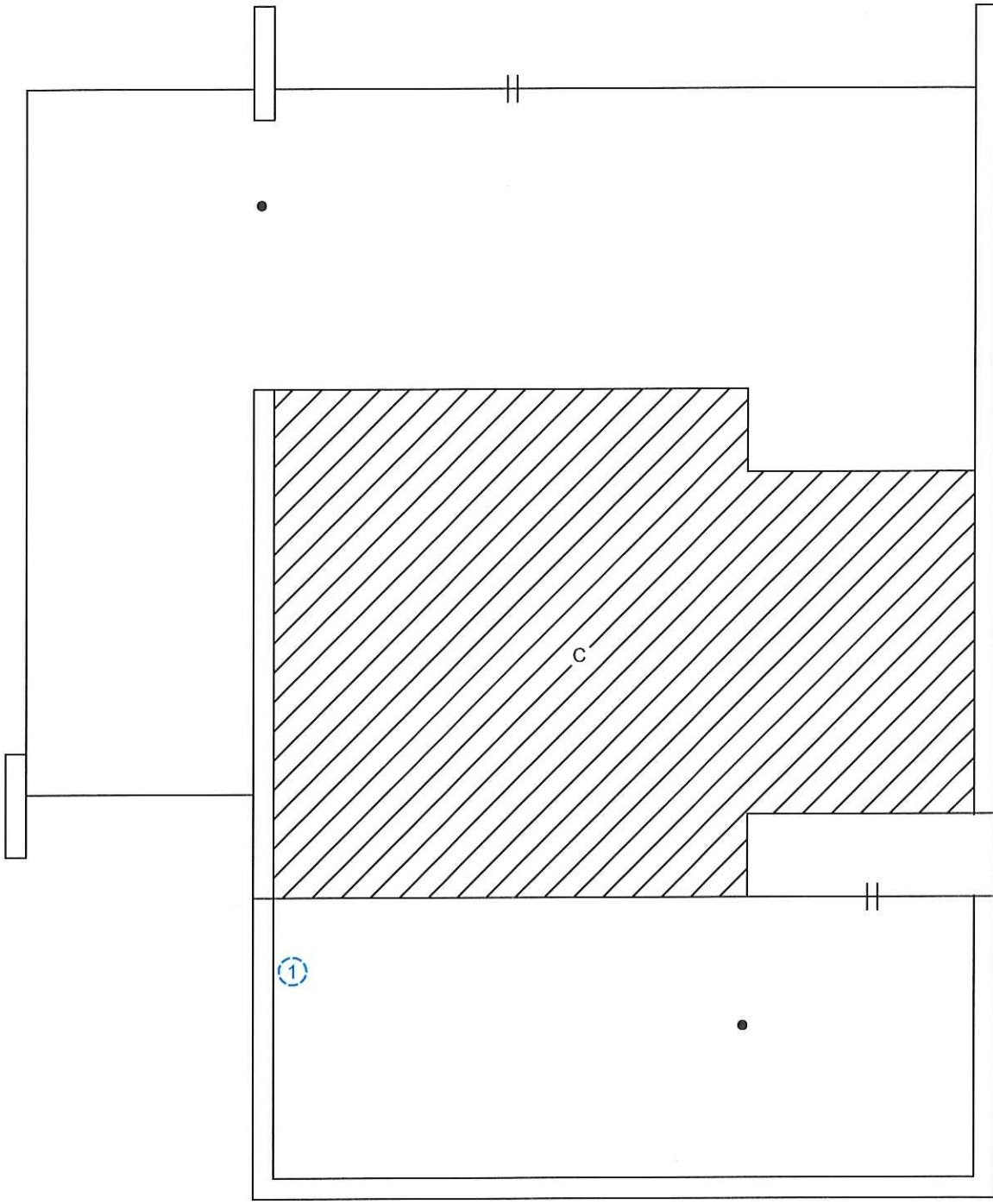
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GM2 - ARMSTRONG  
**DORM**  
**SECTION**  
B



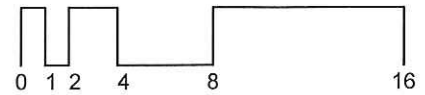
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015



- SYMBOLS KEY**
- ROOF DRAIN
  - ⊥ SCUPPER
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

- DEFECT KEY**
- ① BLISTERED BASE FLASHING



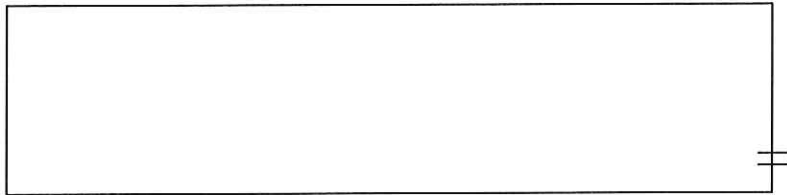
**CAMPUS**  
 SOUTHWEST MINNESOTA  
 STATE UNIVERSITY

**BUILDING**  
 GM3 - SHENANDOAH  
 DORM  
**SECTION**  
 A

**CLIENT**  

 MINNESOTA STATE  
 COLLEGES & UNIVERSITIES  
 500 WELLS FARGO PLACE  
 30 EAST 7TH STREET  
 ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
 15-9779-01  
**DATE**  
 12/2/2015

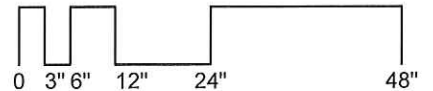
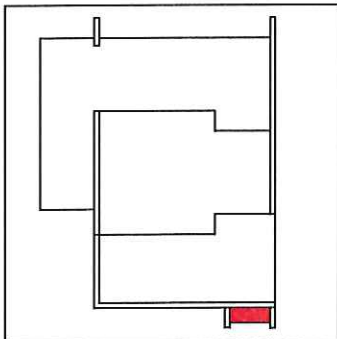


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



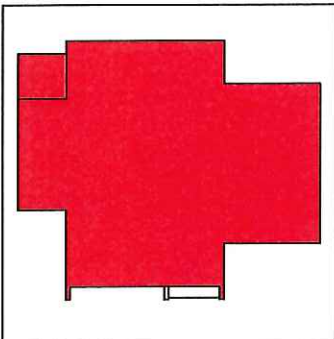
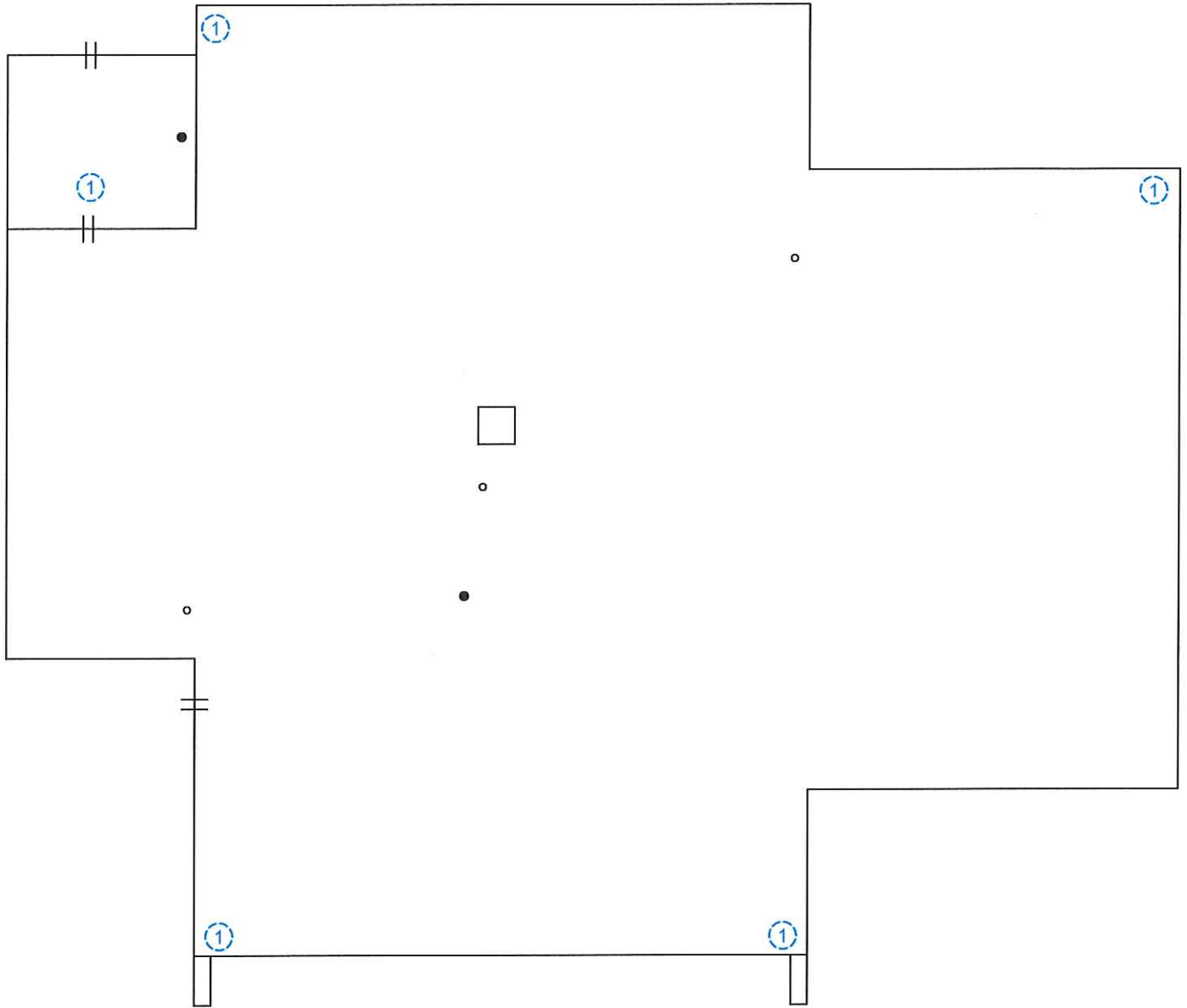
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GM3 - SHENANDOAH  
**DORM**  
**SECTION**  
B



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

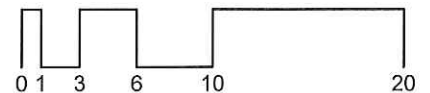


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- Ⓝ DEFECT-REPAIR
- Ⓢ DEFECT-MONITOR

**DEFECT KEY**

- Ⓢ EROSION OF AGGREGATE SURFACING

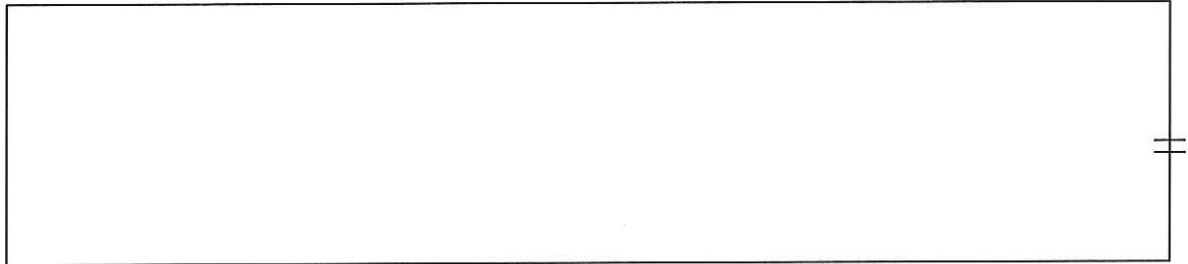


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GM4 - OCEAN BLVD  
**DORM**  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

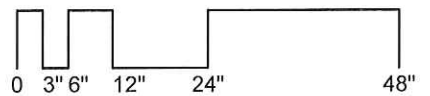
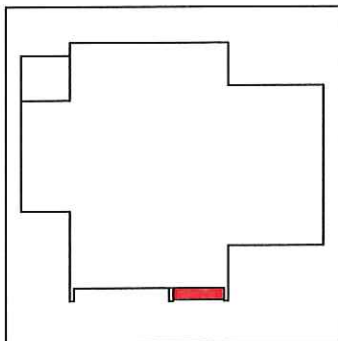


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



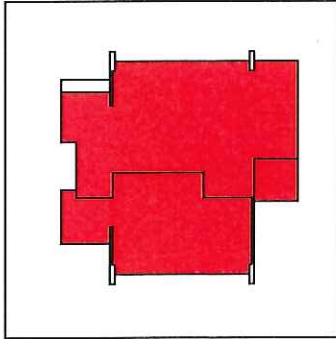
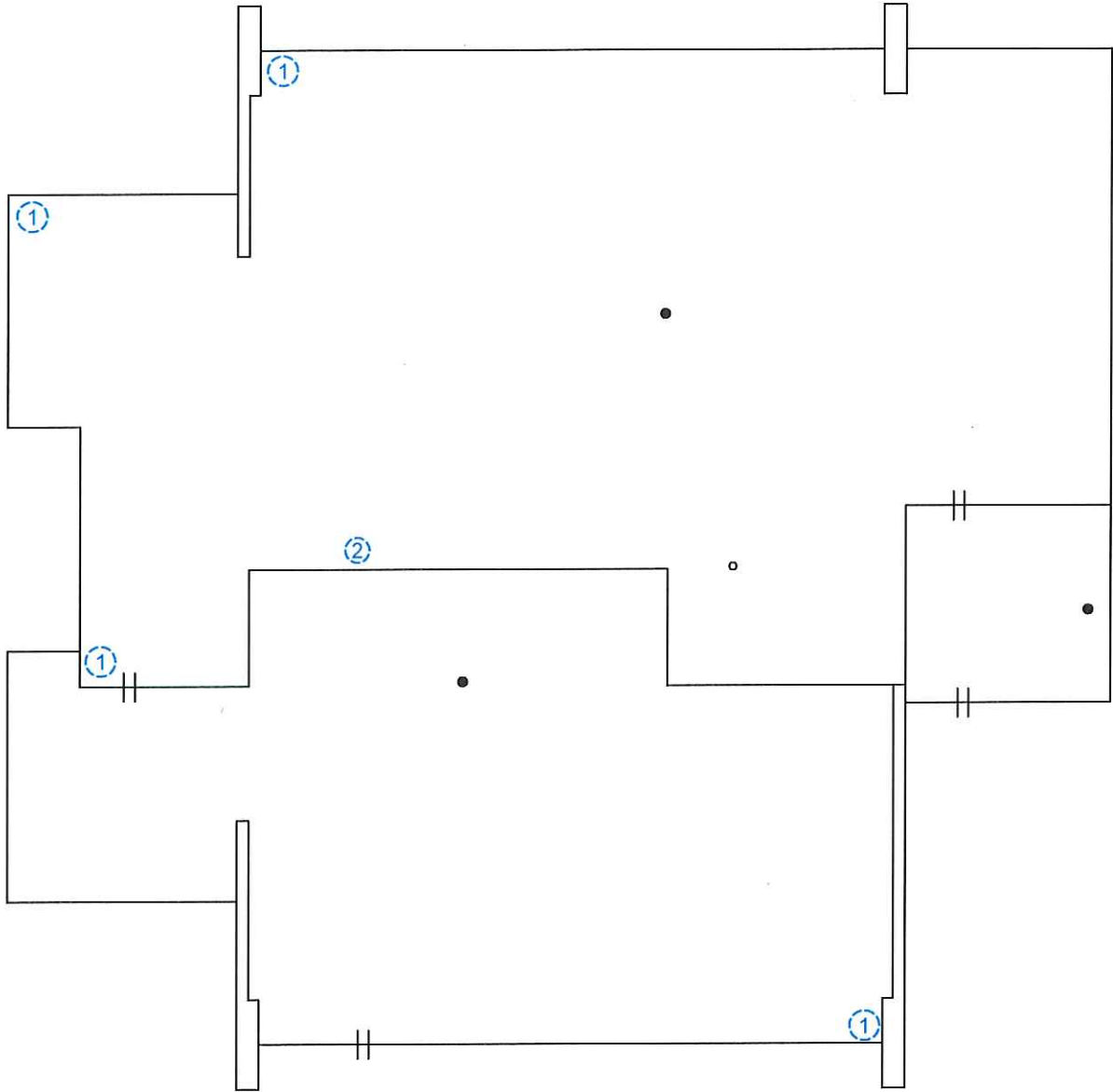
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GM4 - OCEAN BLVD  
**DORM**  
**SECTION**  
B



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/2/2015

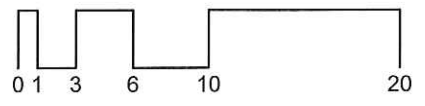


**SYMBOLS KEY**

- ROOF DRAIN
- VENT STACK
- ⦶ SCUPPER
- Ⓝ DEFECT-REPAIR
- Ⓢ DEFECT-MONITOR

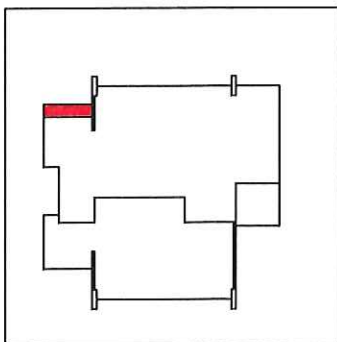
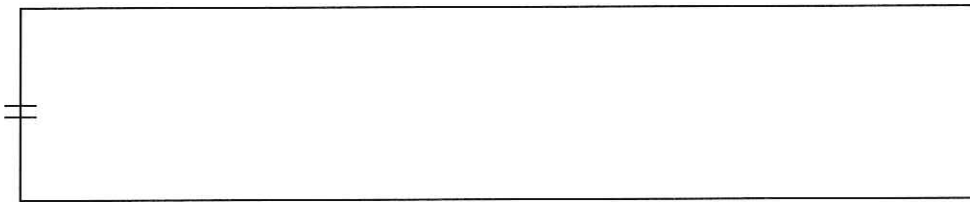
**DEFECT KEY**

- ① EROSION OF AGGARGATE SURFACING
- ② BLISTERED BASE FLASHING



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> GW1-EL DORADO <b>DORM</b> <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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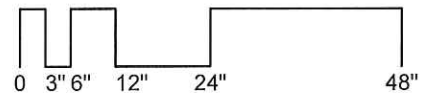


**SYMBOLS KEY**

- ⊕ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



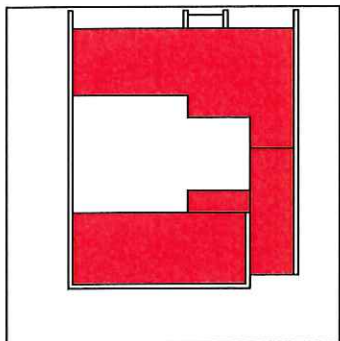
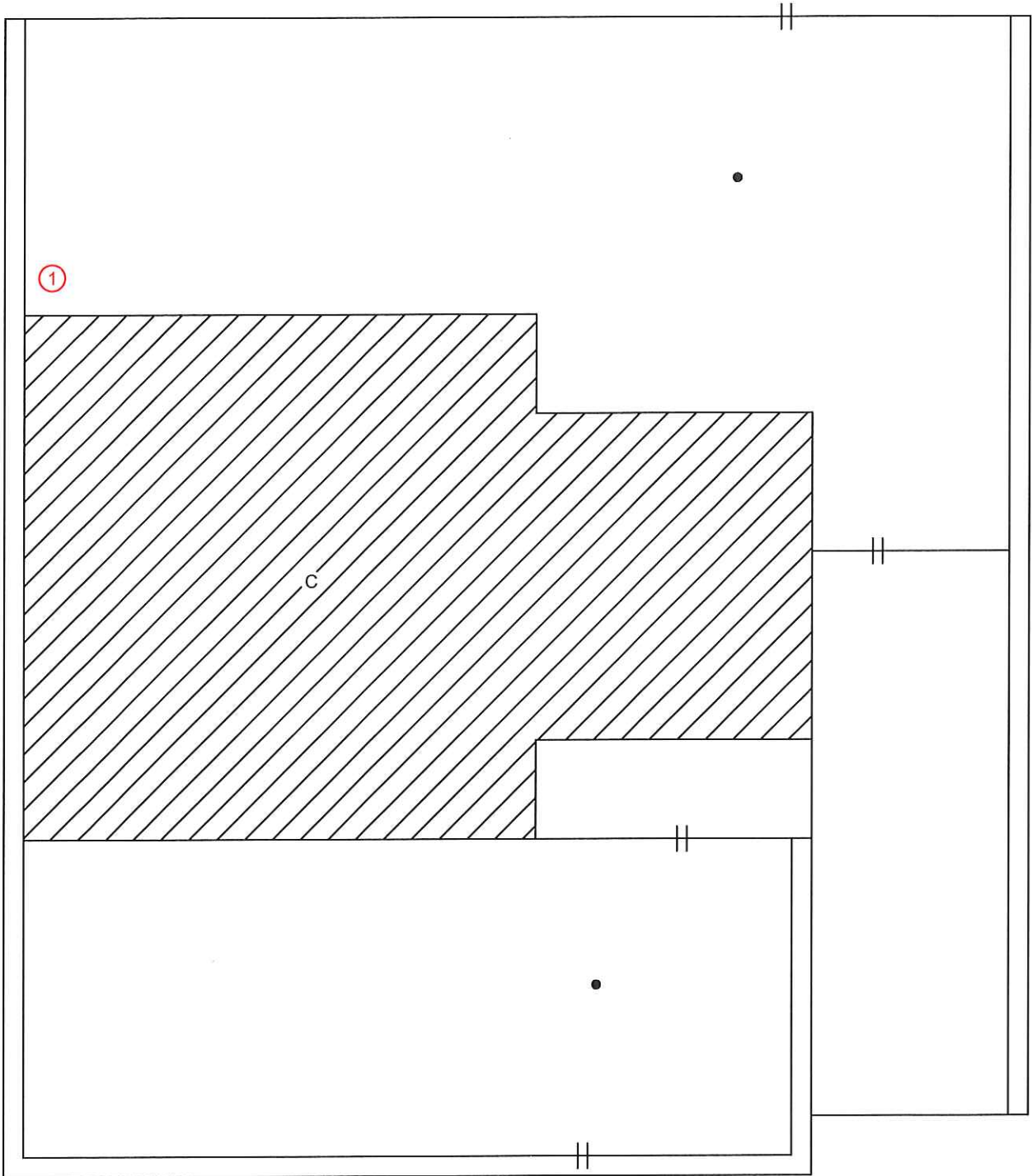
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GW1-EL DORADO  
**DORM**  
**SECTION**  
B



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

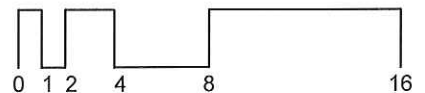


**SYMBOLS KEY**

- ROOF DRAIN
- ⊥ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



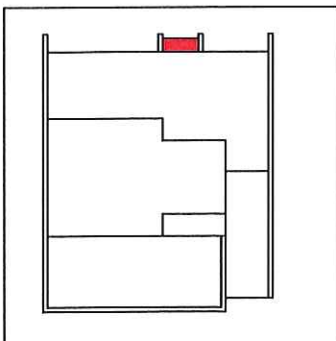
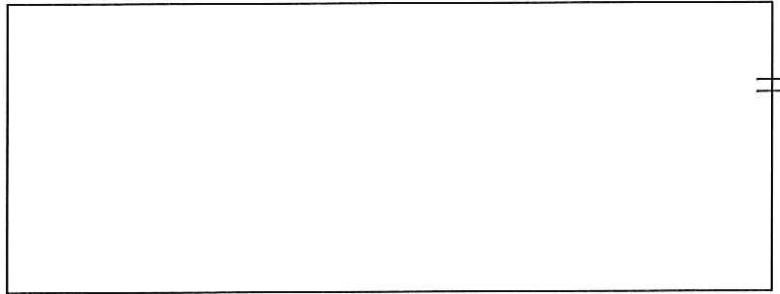
CAMPUS  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

BUILDING  
GW2 - KAMASUTRA  
DORM  
SECTION  
A



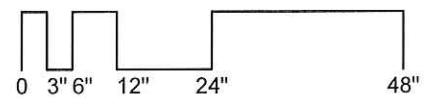
CLIENT  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

BSI PROJECT NUMBER  
15-9779-01  
DATE  
12/02/2015



SYMBOLS KEY	
	SCUPPER
	DEFECT-REPAIR
	DEFECT-MONITOR

DEFECT KEY	
	2015 NO DEFECT
	2015 NO DEFECT



**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GW2 - KAMASUTRA  
DORM  
**SECTION**  
B

**CLIENT**



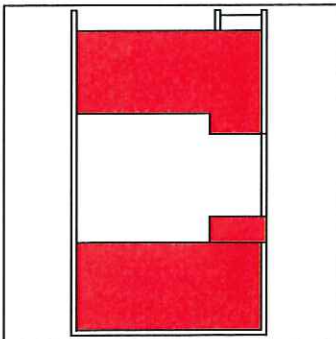
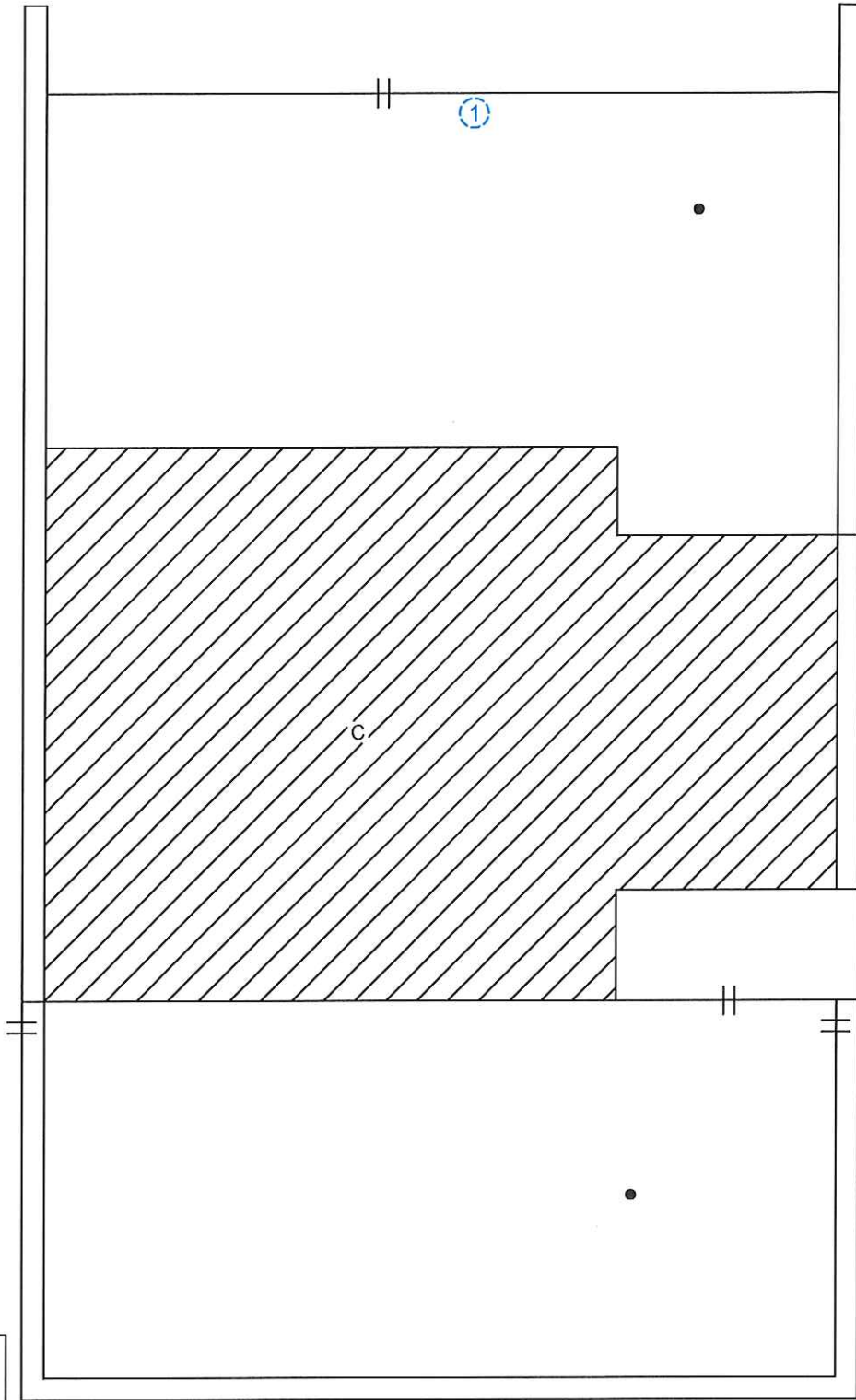
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**

15-9779-01

**DATE**

12/02/2015

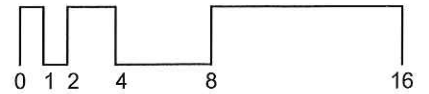


**SYMBOLS KEY**

- ROOF DRAIN
- ⦶ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- ① BLISTERED BASE FLASHING

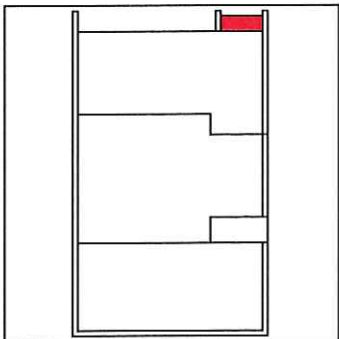
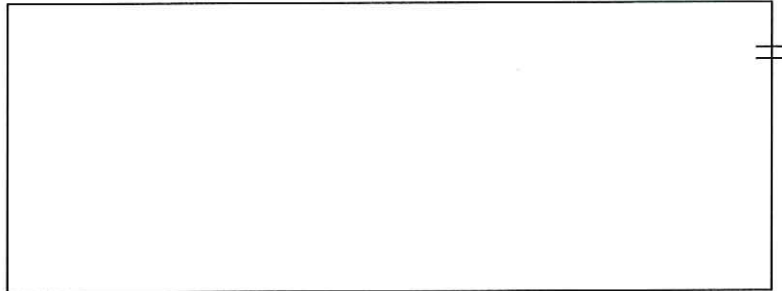


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GW3 -  
SIRUS DORM  
**SECTION**  
A

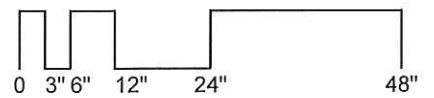
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

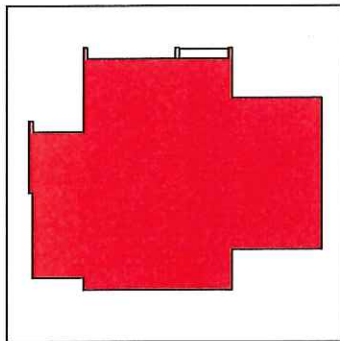
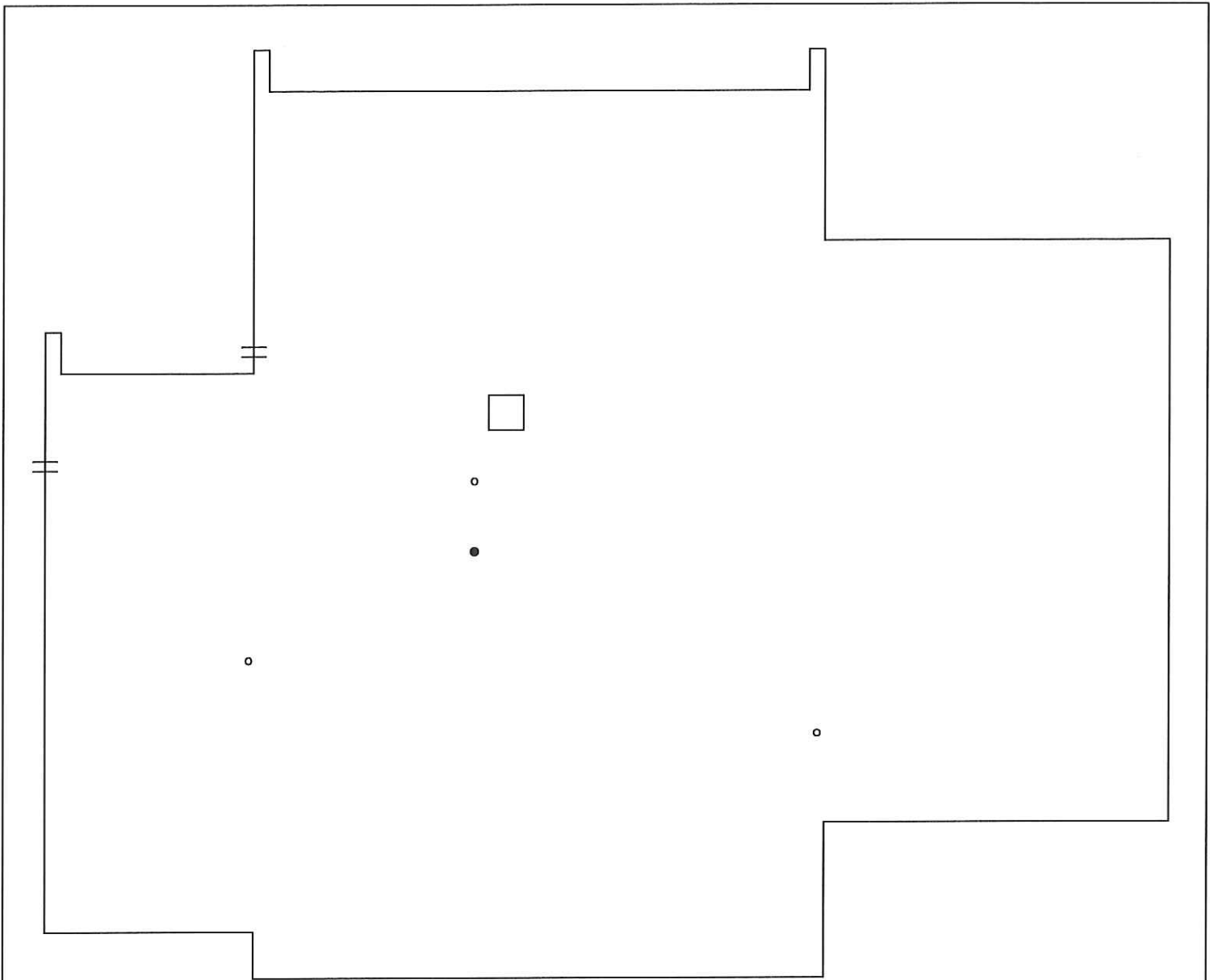


SYMBOLS KEY	
††	SCUPPER
#	DEFECT-REPAIR
#	DEFECT-MONITOR

DEFECT KEY	
#	2015 NO DEFECT
#	2015 NO DEFECT



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> GW3 - SIRUS DORM <b>SECTION</b> B</p>	<p><b>CLIENT</b>           MINNESOTA STATE          COLLEGES &amp; UNIVERSITIES          500 WELLS FARGO PLACE          30 EAST 7TH STREET          ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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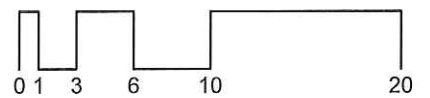


**SYMBOLS KEY**

- ROOF DRAIN
- ⊥ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

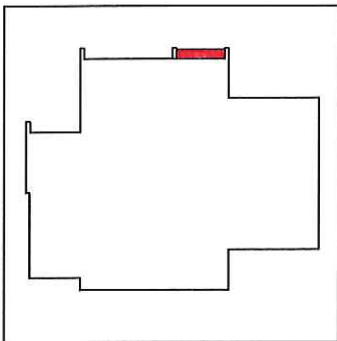
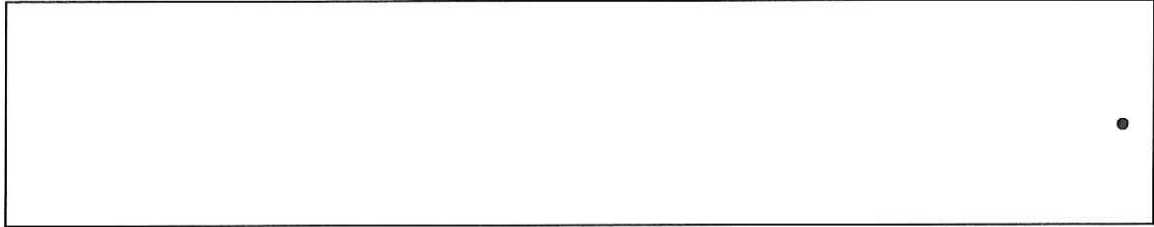


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GW4 -  
TITAN DORM  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**BSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

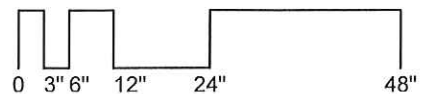


**SYMBOLS KEY**

- ROOF DRAIN
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



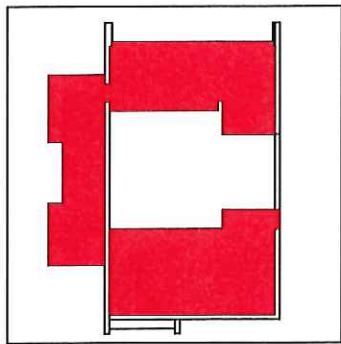
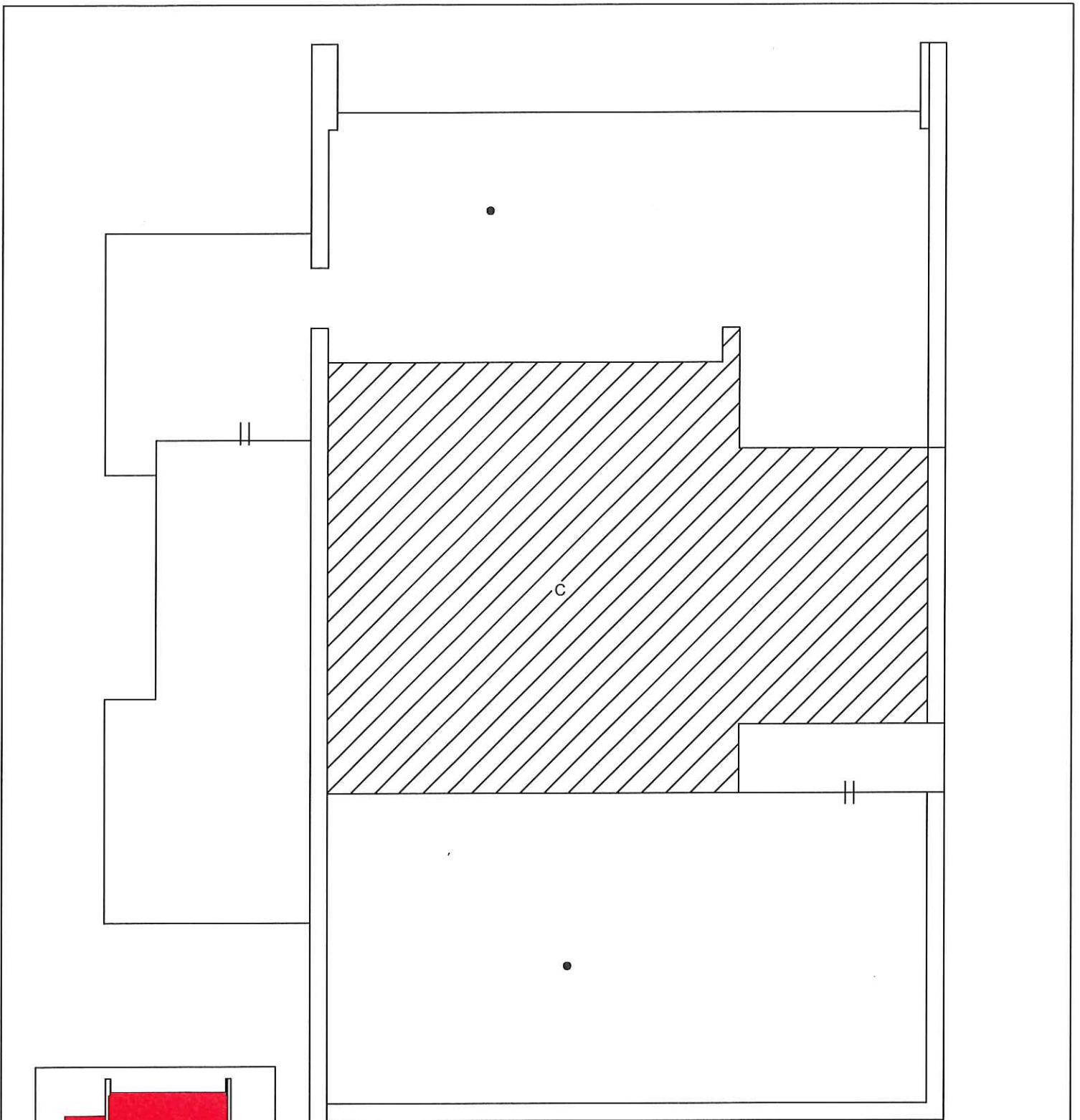
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
GW4 -  
TITAN DORM  
**SECTION**  
B

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

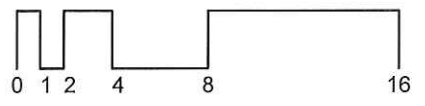
**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015





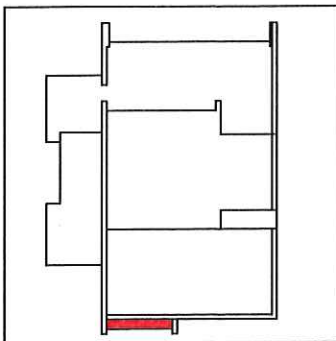
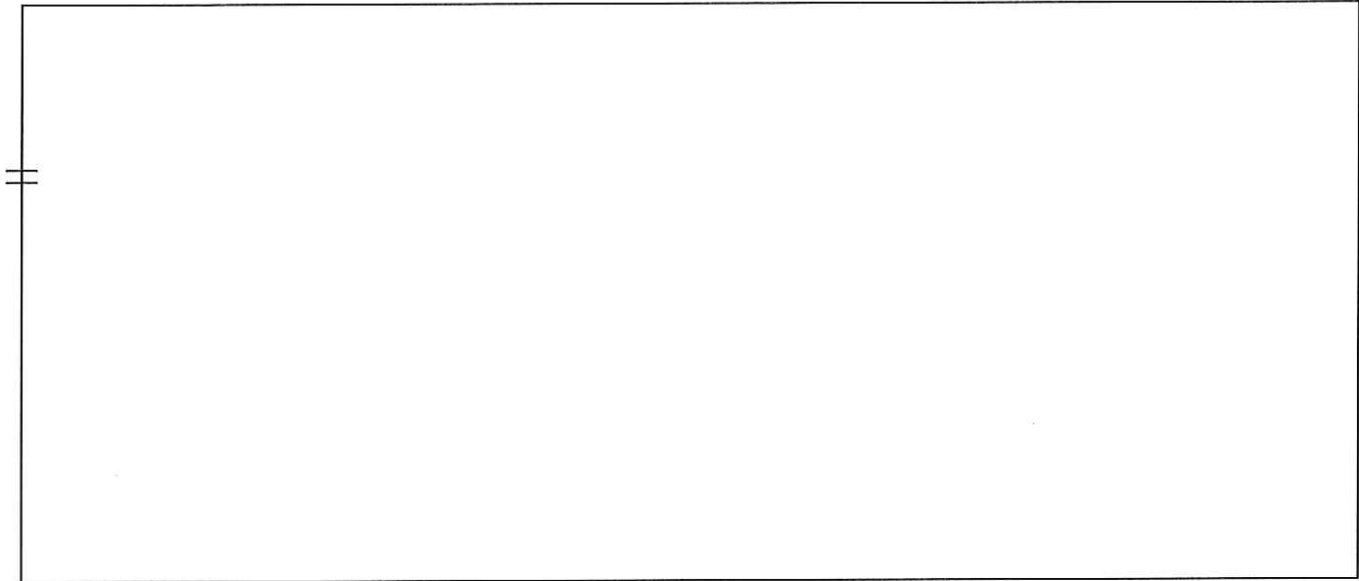
- SYMBOLS KEY**
- ROOF DRAIN
  - ⊥ SCUPPER
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

- DEFECT KEY**
- # 2015 NO DEFECT
  - # 2015 NO DEFECT



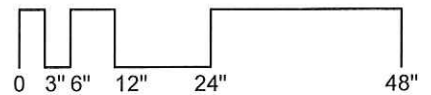
<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> HA-1 BUCKINGHAM DORM <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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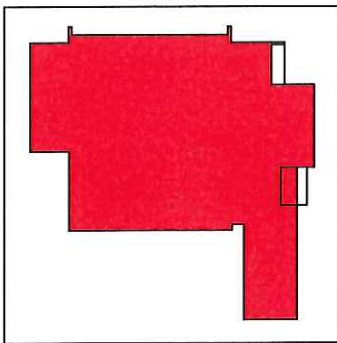
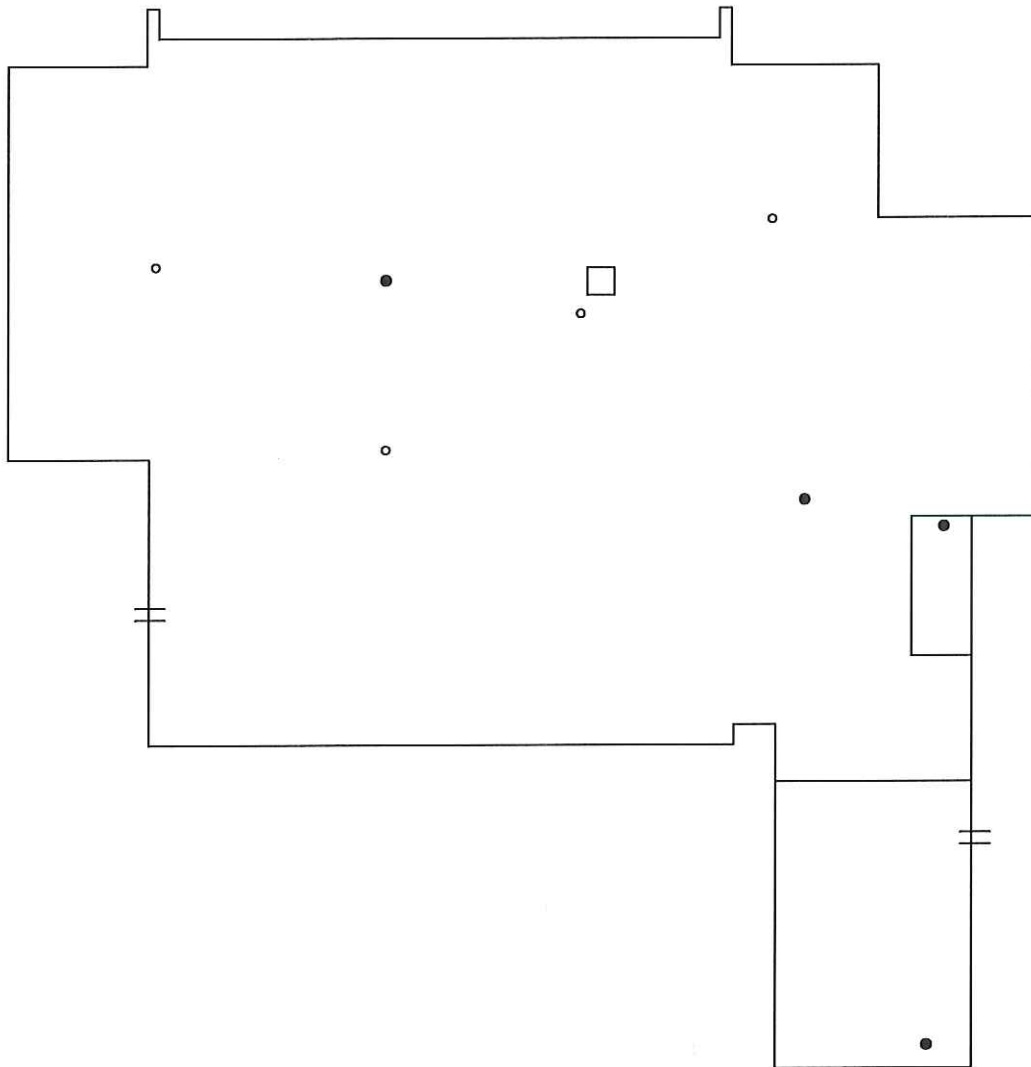


SYMBOLS KEY	
⊥	SCUPPER
#	DEFECT-REPAIR
#	DEFECT-MONITOR

DEFECT KEY	
#	2015 NO DEFECT
#	2015 NO DEFECT



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> HA-1 BUCKINGHAM DORM <b>SECTION</b> B</p>	<p><b>CLIENT</b>           MINNESOTA STATE          COLLEGES &amp; UNIVERSITIES          500 WELLS FARGO PLACE          30 EAST 7TH STREET          ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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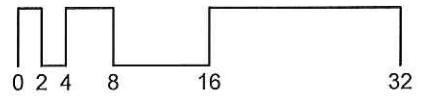


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- †† SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

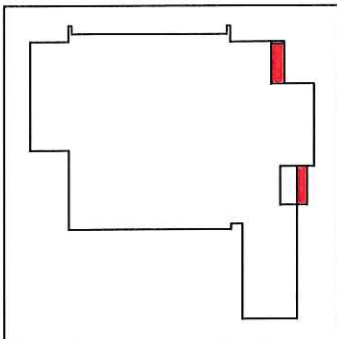
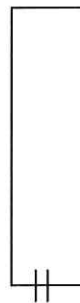


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HA2-  
SELENE DORM  
**SECTION**  
A

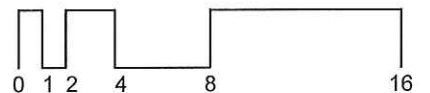
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101


**BSL PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

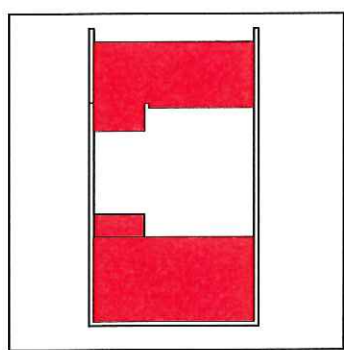
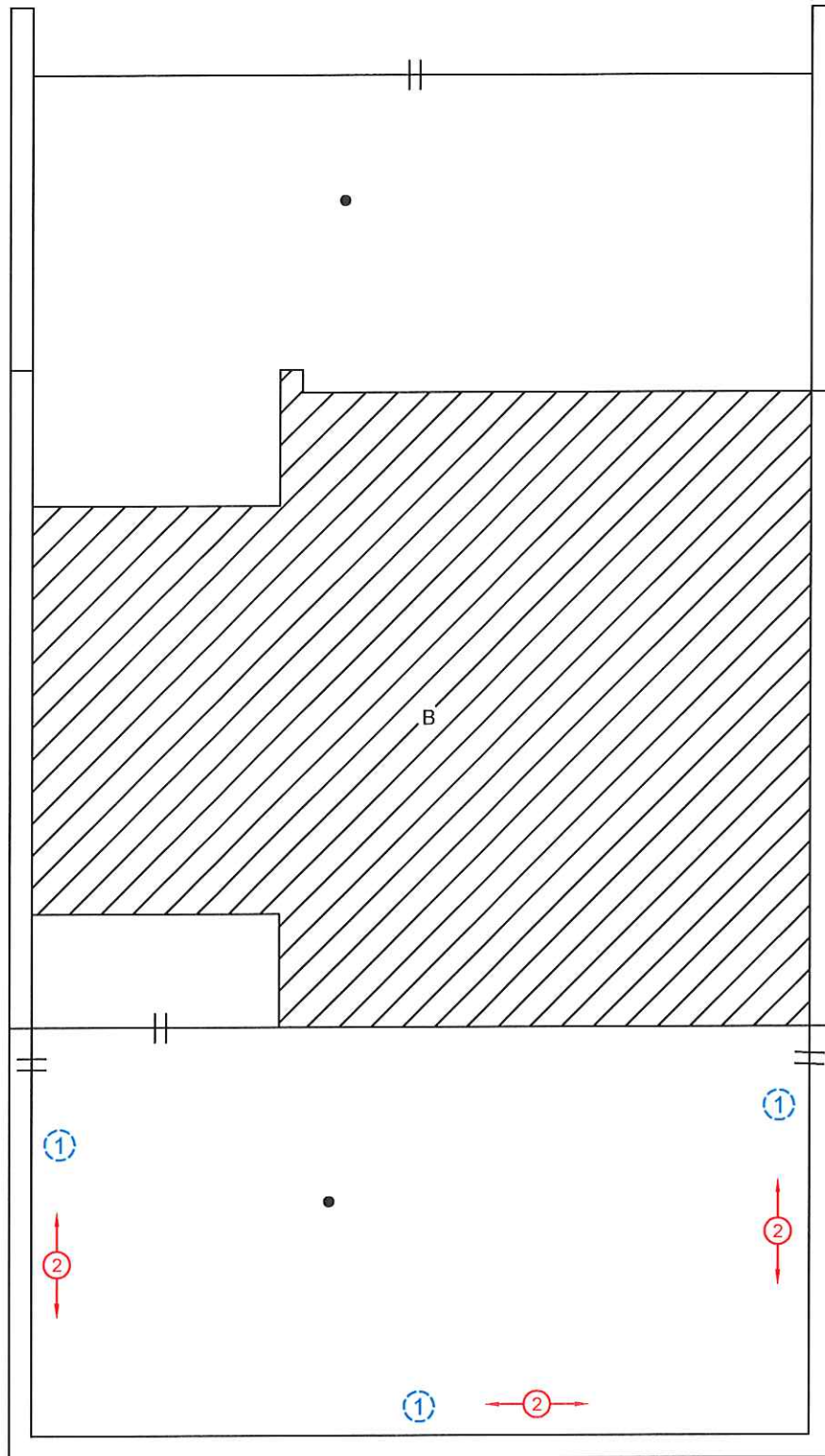


SYMBOLS KEY	
	SCUPPER
#	DEFECT-REPAIR
#	DEFECT-MONITOR

DEFECT KEY	
#	2015 NO DEFECT
#	2015 NO DEFECT

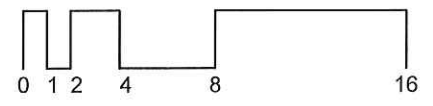
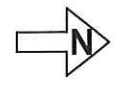


<b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY	<b>BUILDING</b> HA2- SELENE DORM <b>SECTION</b> B	<b>CLIENT</b>  MINNESOTA STATE COLLEGES & UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101	<b>BSL PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015
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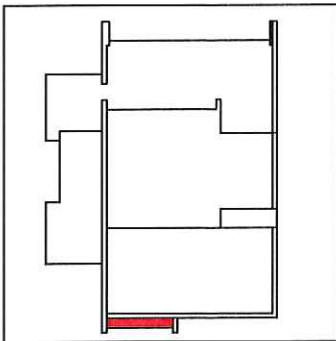
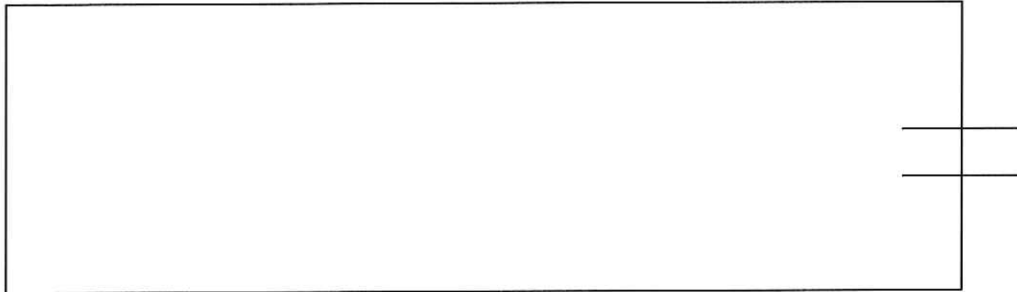


- SYMBOLS KEY**
- ROOF DRAIN
  - ⦶ SCUPPER
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

- DEFECT KEY**
- ① BLISTERED BASE FLASHING
  - ② MISSING / DETERIORATED SEALANT



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> HA3-CAMARADERIE <b>DORM</b> <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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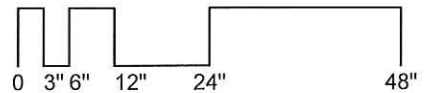


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



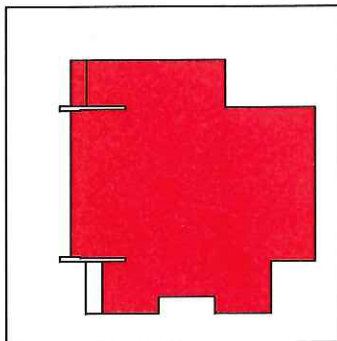
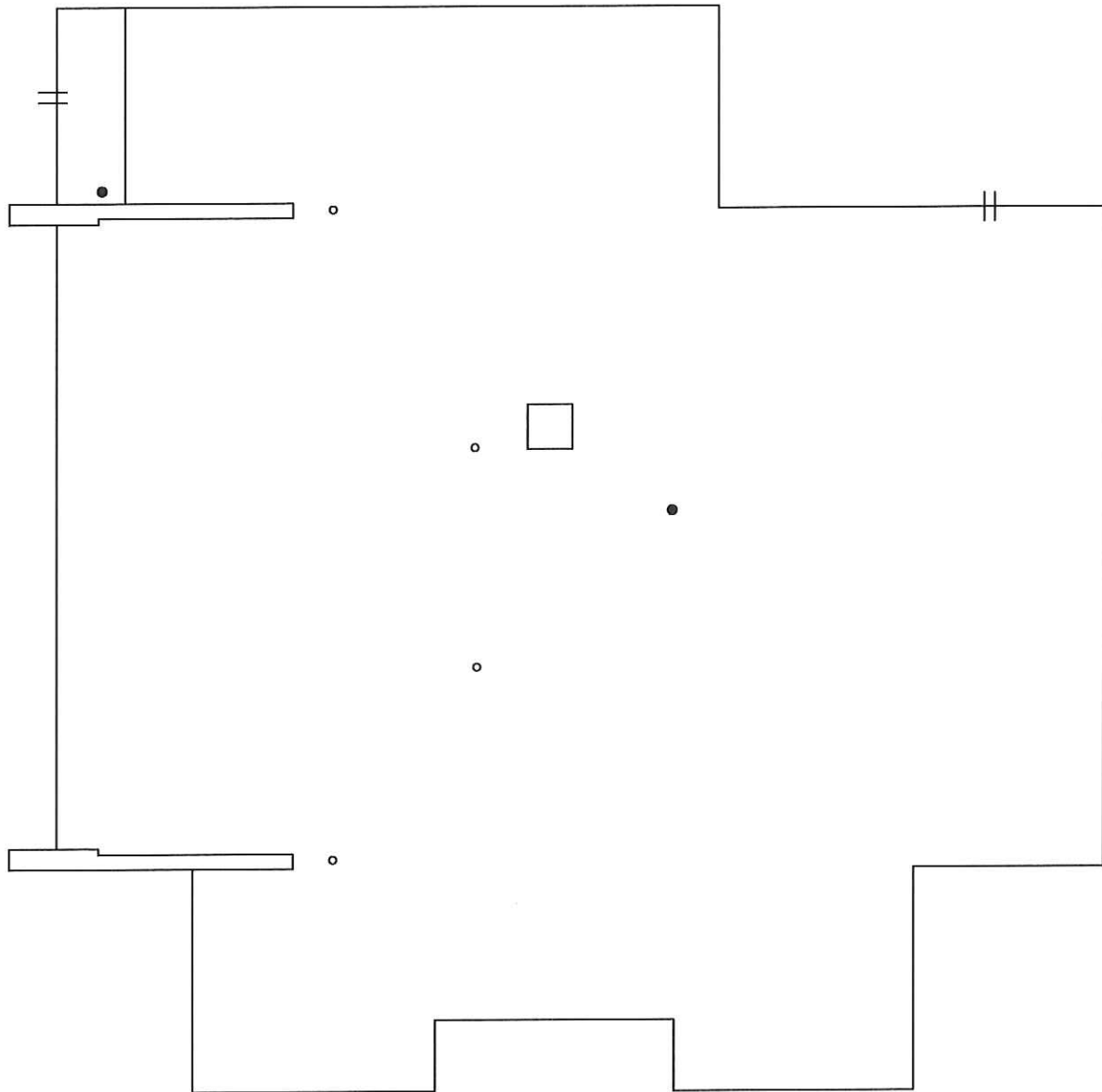
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HA3-CAMARADERIE  
**DORM**  
**SECTION**  
C



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

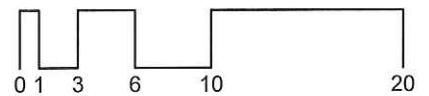


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- Ⓝ DEFECT-REPAIR
- Ⓞ DEFECT-MONITOR

**DEFECT KEY**

- Ⓝ 2015 NO DEFECT
- Ⓞ 2015 NO DEFECT

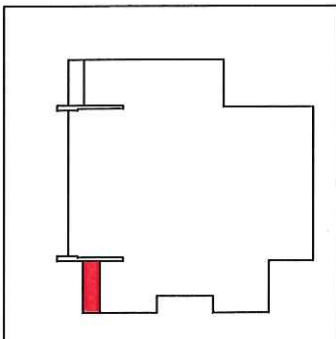
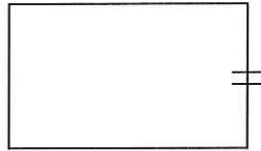


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HA4-CLAPPER  
DORM  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

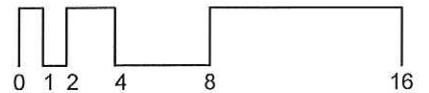


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



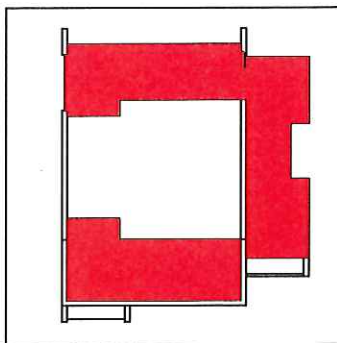
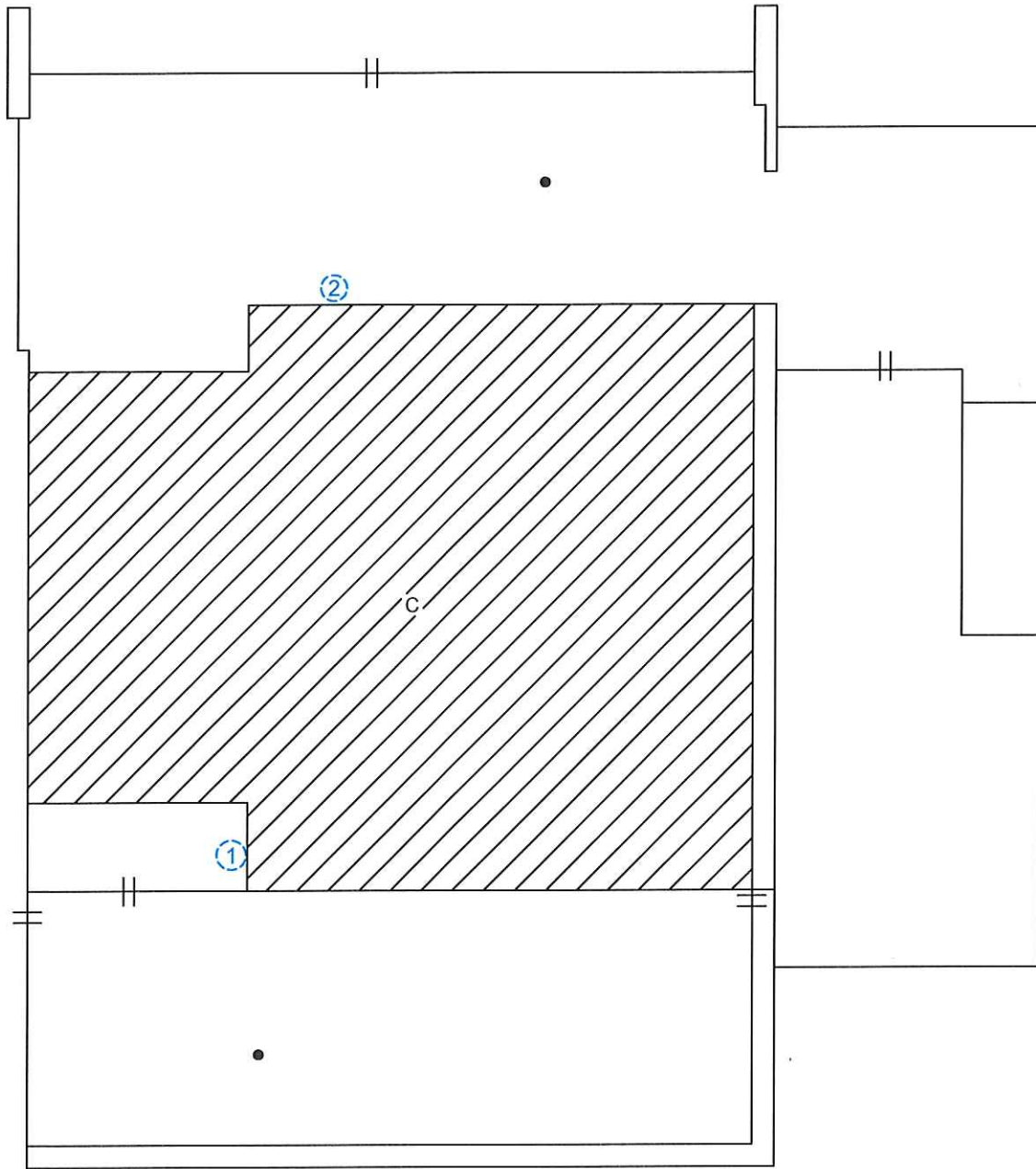
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SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HA4-CLAPPER  
DORM  
**SECTION**  
B

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015



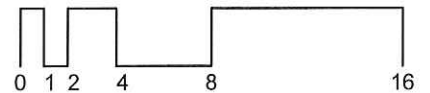


**SYMBOLS KEY**

- ROOF DRAIN
- ⦚ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- ① BLISTERED BASE FLASHING
- ② SURFACE EROSION



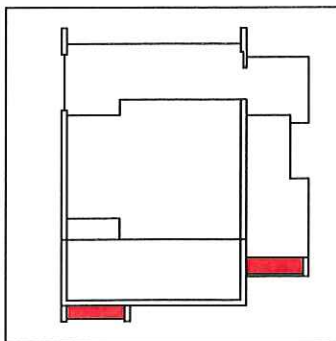
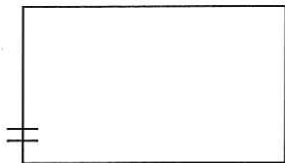
**CAMPUS**  
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STATE UNIVERSITY

**BUILDING**  
HB1-  
SYBARIS DORM  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
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ST. PAUL, MINNESOTA 55101

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15-9779-01  
**DATE**  
12/02/2015



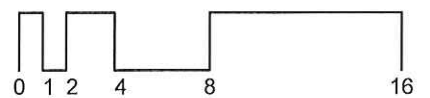


**SYMBOLS KEY**

- † SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



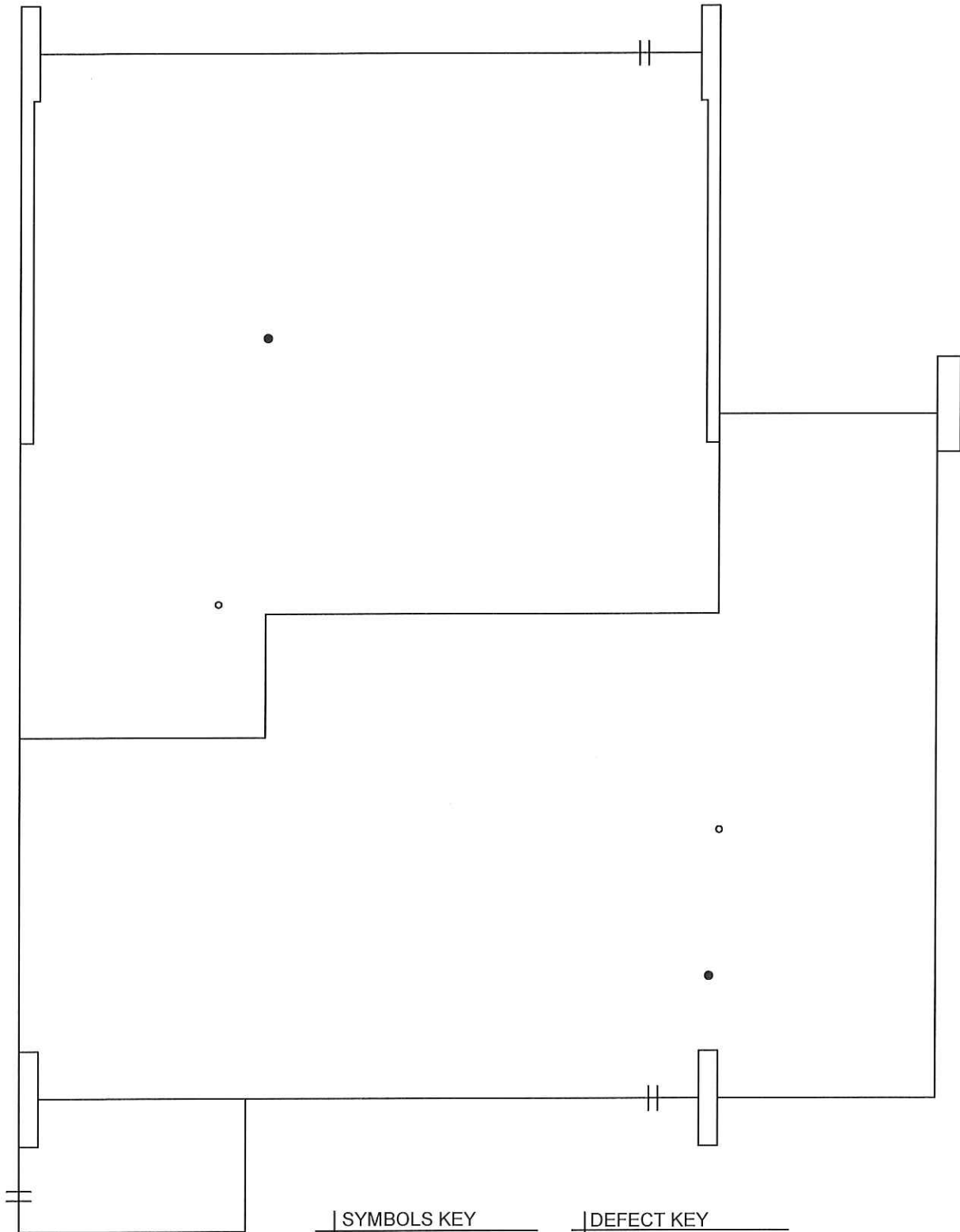
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STATE UNIVERSITY

**BUILDING**  
HB1-  
SYBARIS DORM  
**SECTION**  
B



**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
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**DATE**  
12/02/2015

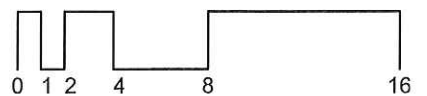


**SYMBOLS KEY**

- ROOF DRAIN
- VENT STACK
- || SCUPPER
- Ⓝ DEFECT-REPAIR
- Ⓞ DEFECT-MONITOR

**DEFECT KEY**

- Ⓝ 2015 NO DEFECT
- Ⓞ 2015 NO DEFECT

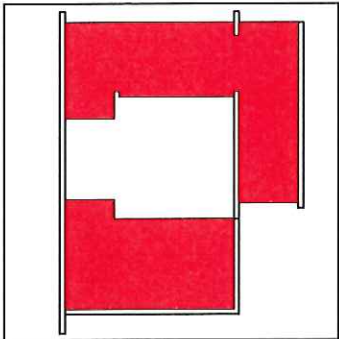
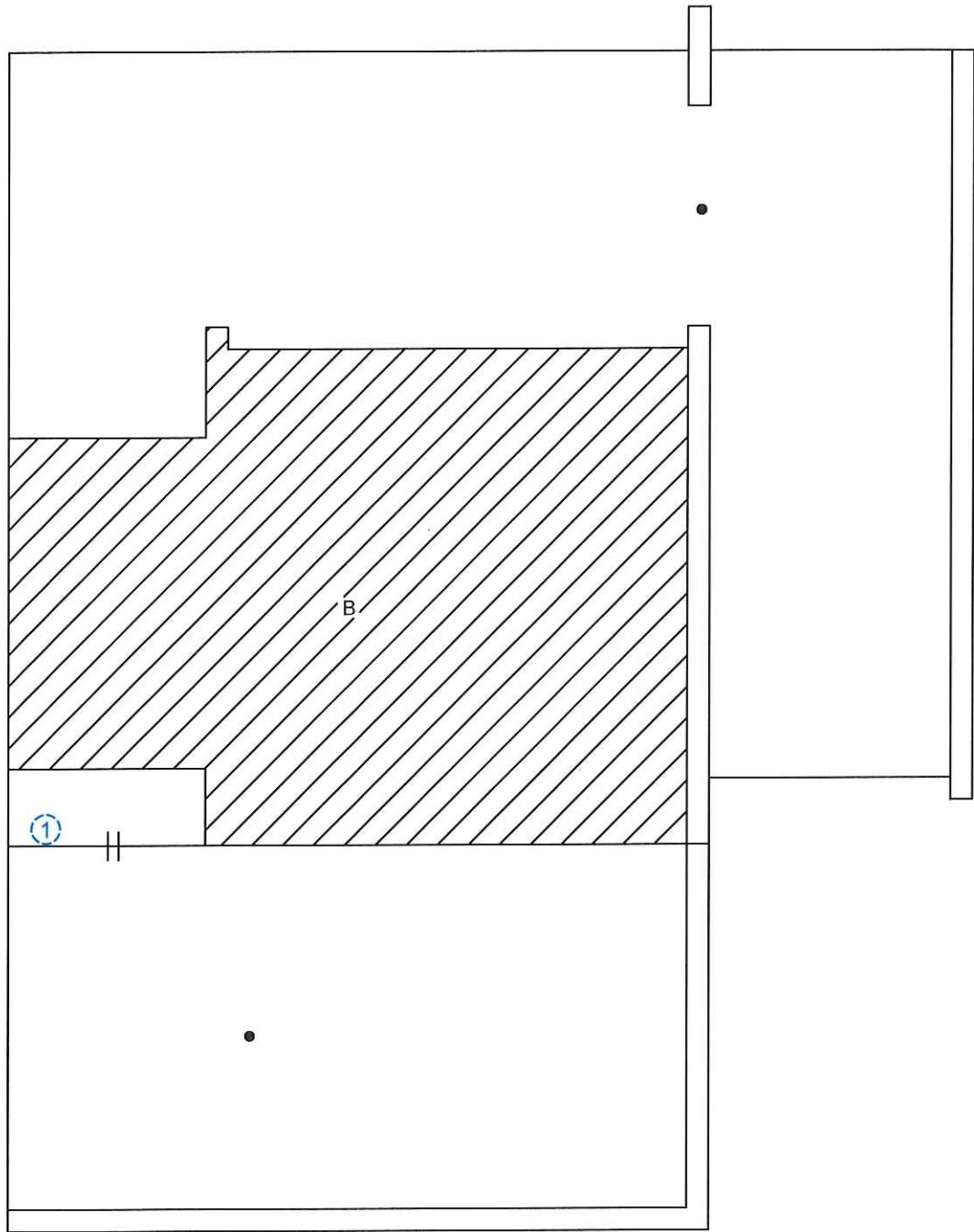


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HB2-  
PORTER DORM  
**SECTION**  
A

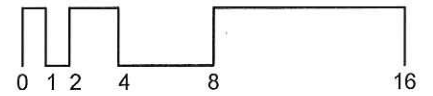
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COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

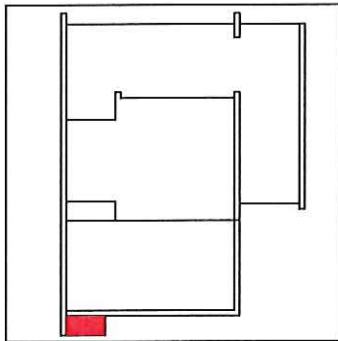
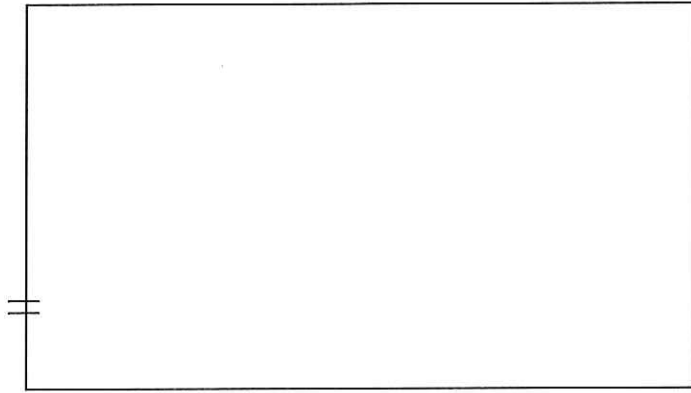


- SYMBOLS KEY**
- ROOF DRAIN
  - ⊕ SCUPPER
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

- DEFECT KEY**
- ① BLISTERED BASE FLASHING



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> HB3- CHEZ NOUS DORM <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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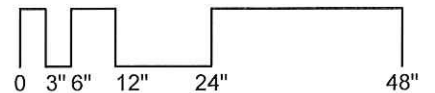


**SYMBOLS KEY**

- ⊥ SCUPPER
- ⊘ DEFECT-REPAIR
- ⊘ DEFECT-MONITOR

**DEFECT KEY**

- ⊘ 2015 NO DEFECT
- ⊘ 2015 NO DEFECT

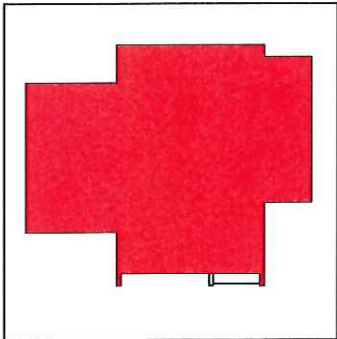
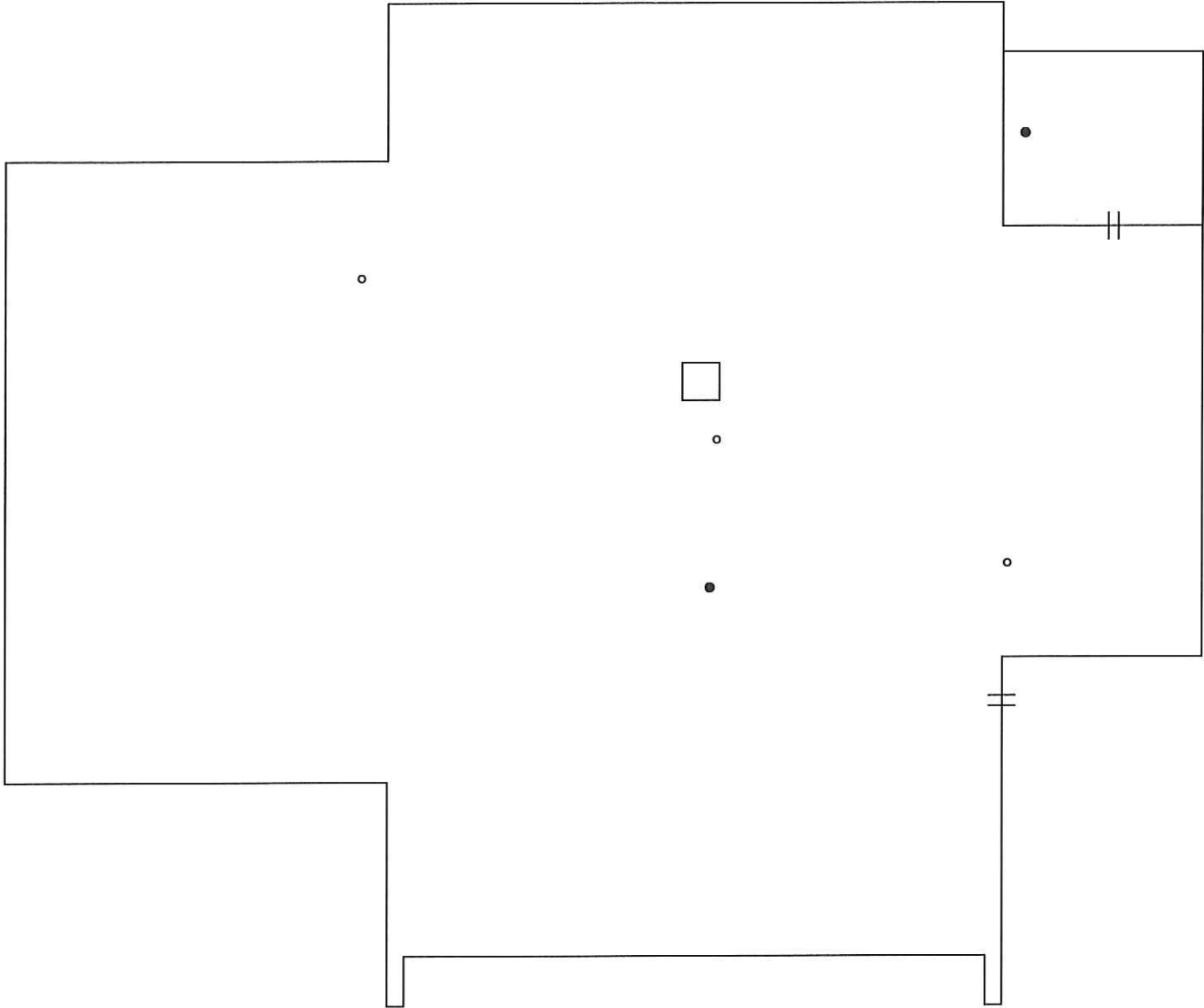


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HB3-  
CHEZ NOUS DORM  
**SECTION**  
C

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

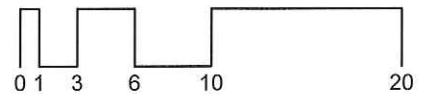


**SYMBOLS KEY**

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT

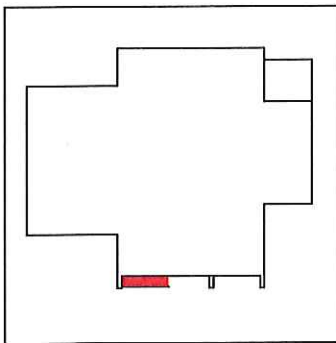
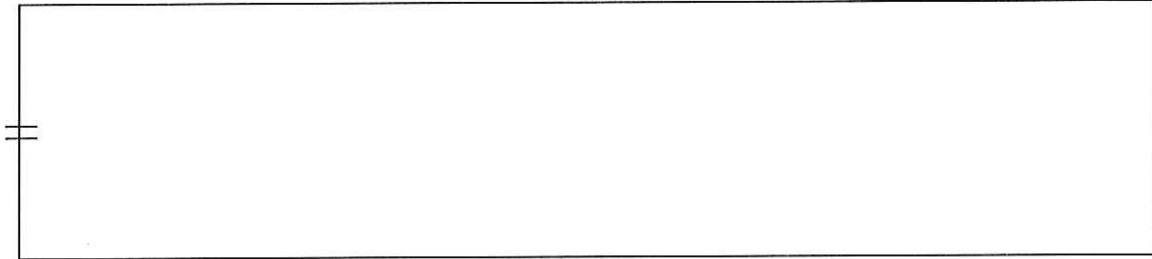


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HB4-  
LAKOTA DORM  
**SECTION**  
A

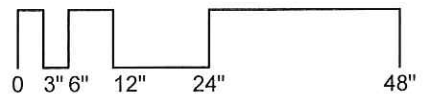
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MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSL PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015



SYMBOLS KEY	
	SCUPPER
	DEFECT-REPAIR
	DEFECT-MONITOR

DEFECT KEY	
	2015 NO DEFECT
	2015 NO DEFECT



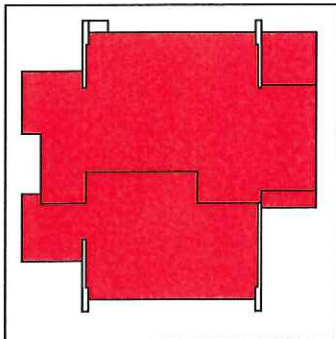
**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HB4-  
LAKOTA DORM  
**SECTION**  
B

**CLIENT**  

 MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
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ST. PAUL, MINNESOTA 55101

**BSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

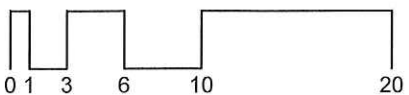


**SYMBOLS KEY**

- ROOF DRAIN
- VENT STACK
- ⊕ SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- ① EROSION OF AGGARGATE SURFACING

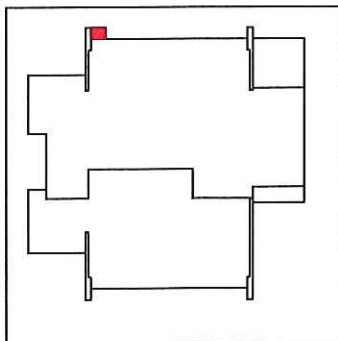
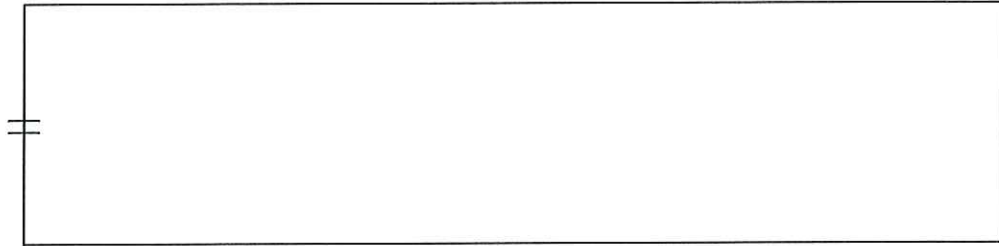


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HC1-ANTIPODES  
**DORM**  
**SECTION**  
A

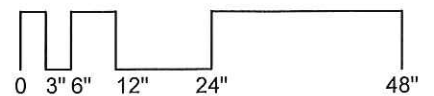
**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015



SYMBOLS KEY	
	SCUPPER
#	DEFECT-REPAIR
#	DEFECT-MONITOR

DEFECT KEY	
#	2015 NO DEFECT
#	2015 NO DEFECT



**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HC1-ANTIPODES  
DORM  
**SECTION**  
B

**CLIENT**



MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

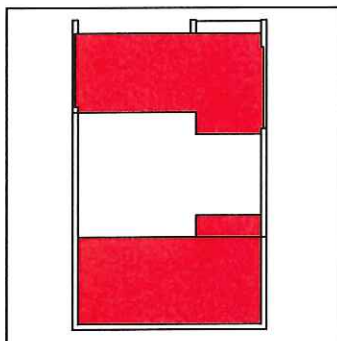
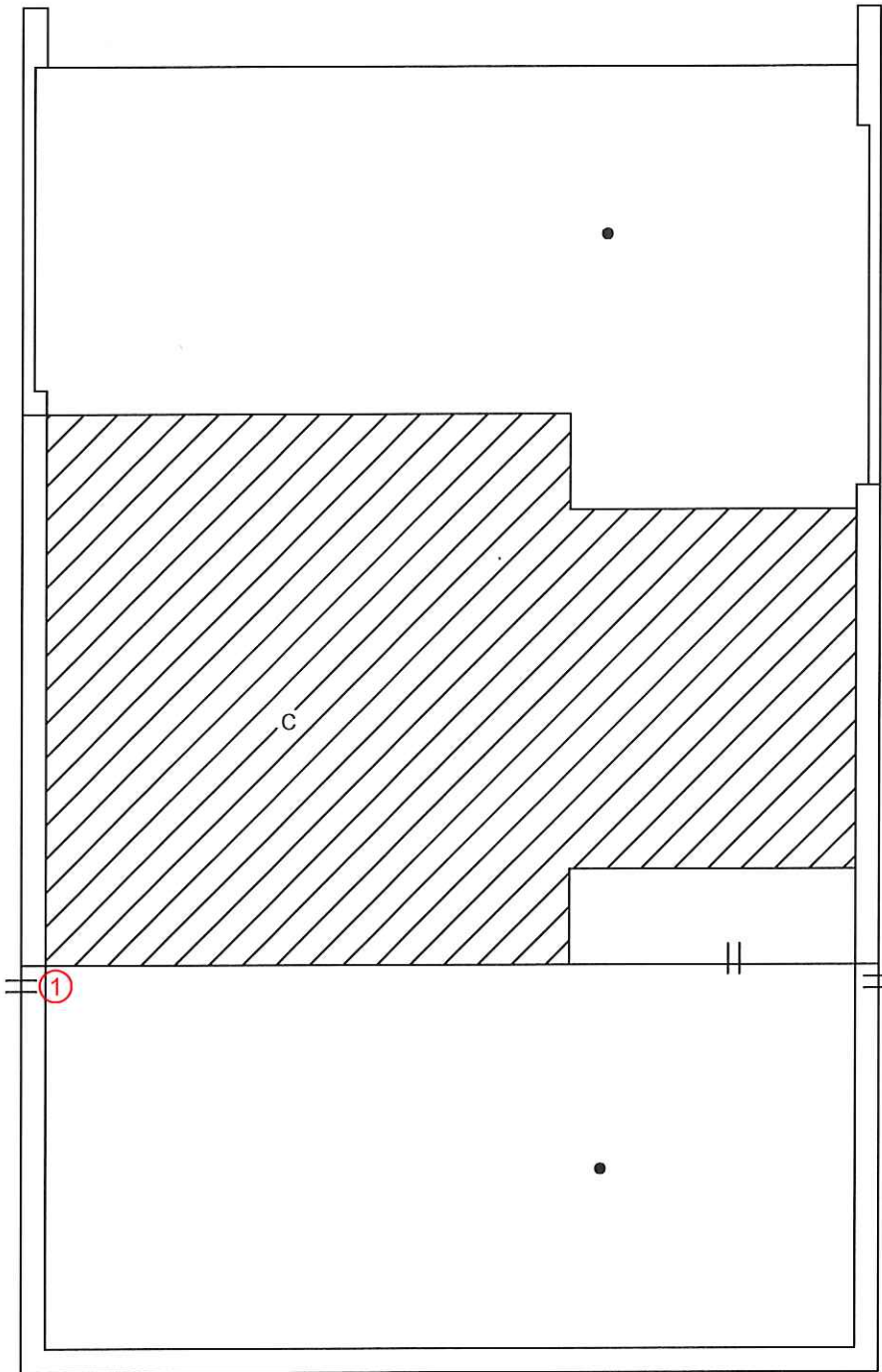
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15-9779-01

**DATE**

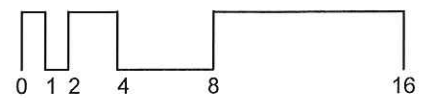
12/02/2015





- SYMBOLS KEY**
- ROOF DRAIN
  - †† SCUPPER
  - # DEFECT-REPAIR
  - # DEFECT-MONITOR

- DEFECT KEY**
- ① MASONRY CRACKED

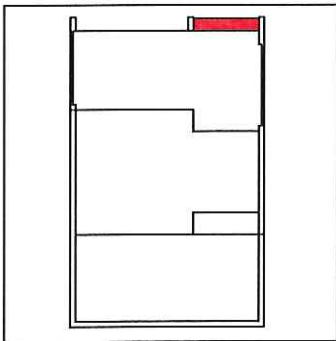
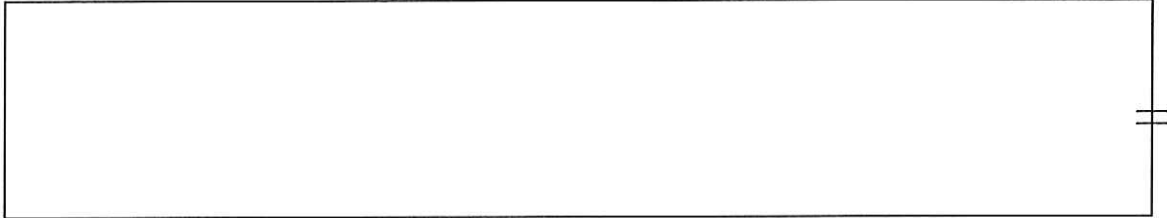


**CAMPUS**  
SOUTHWEST MINNESOTA  
STATE UNIVERSITY

**BUILDING**  
HC2-  
LHASA DORM  
**SECTION**  
A

**CLIENT**  
MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

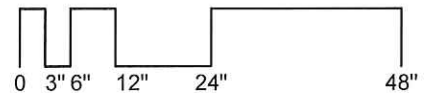


**SYMBOLS KEY**

- †† SCUPPER
- # DEFECT-REPAIR
- # DEFECT-MONITOR

**DEFECT KEY**

- # 2015 NO DEFECT
- # 2015 NO DEFECT



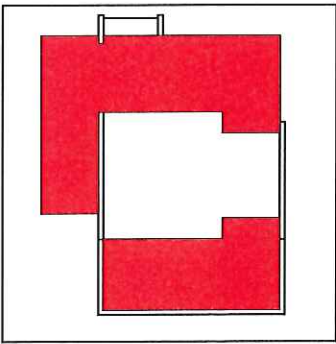
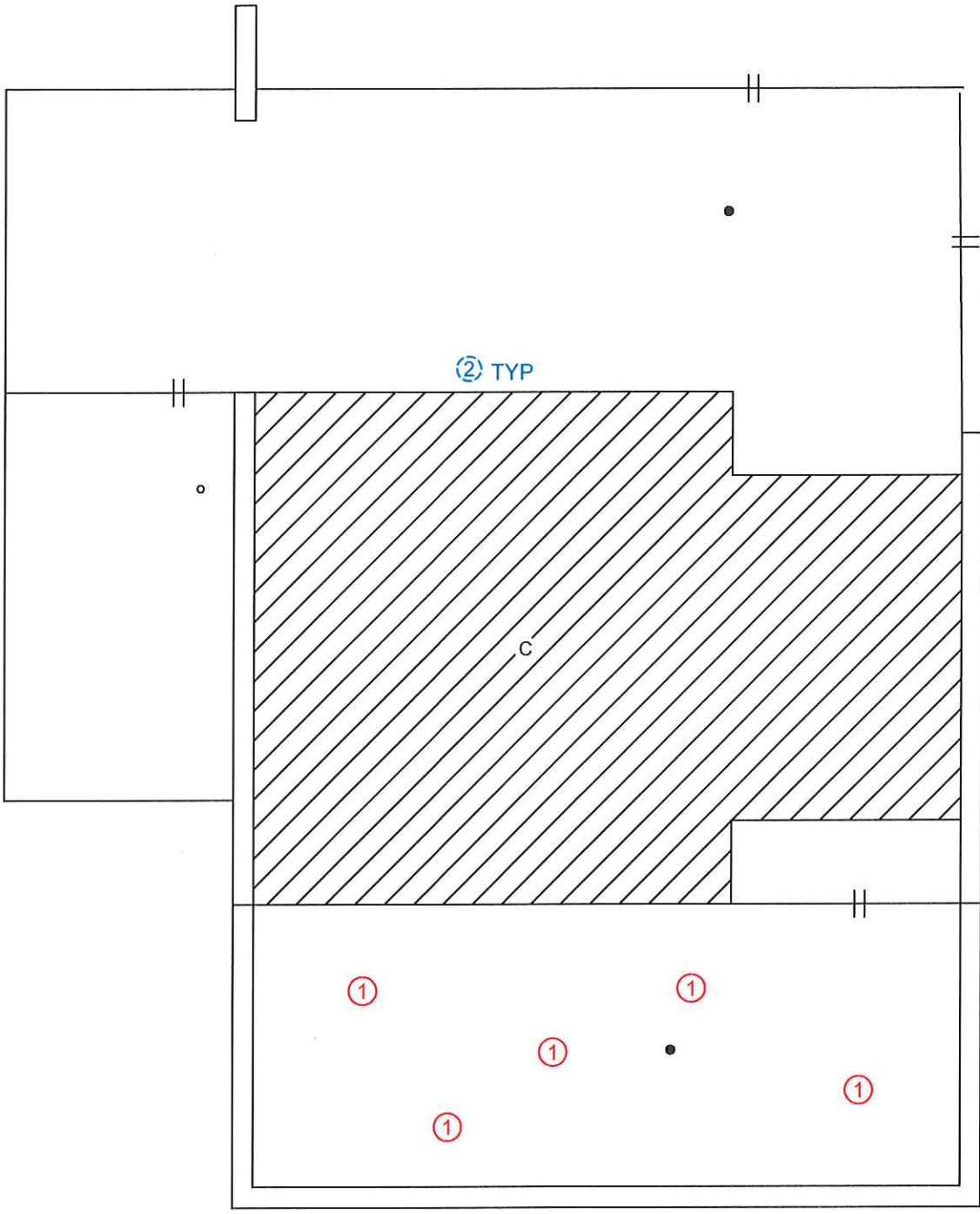
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STATE UNIVERSITY

**BUILDING**  
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LHASA DORM  
**SECTION**  
B



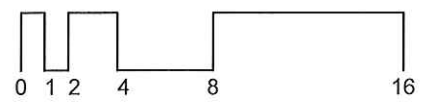
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MINNESOTA STATE  
COLLEGES & UNIVERSITIES  
500 WELLS FARGO PLACE  
30 EAST 7TH STREET  
ST. PAUL, MINNESOTA 55101

**RSI PROJECT NUMBER**  
15-9779-01  
**DATE**  
12/02/2015

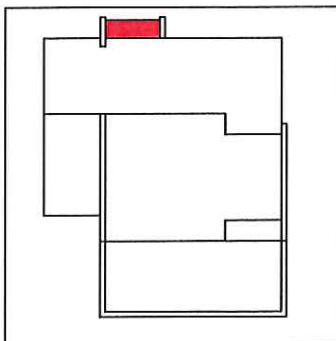
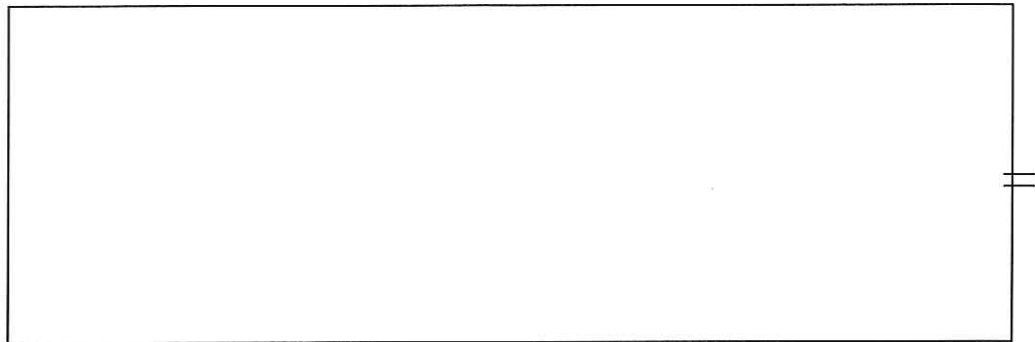


- SYMBOLS KEY**
- ROOF DRAIN
  - † SCUPPER
  - Ⓝ DEFECT-REPAIR
  - Ⓜ DEFECT-MONITOR

- DEFECT KEY**
- ① SUSPECTED WET INSULATION
  - ② EROSION OF AGGREGATE SURFACING

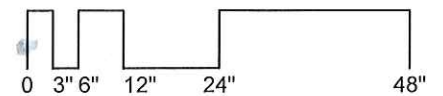


<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> HC3- METHEDRAS DORM <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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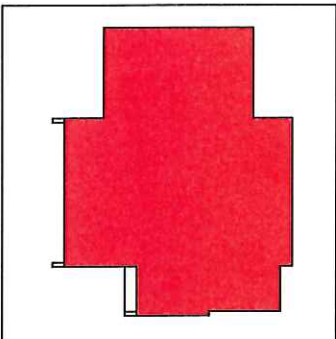
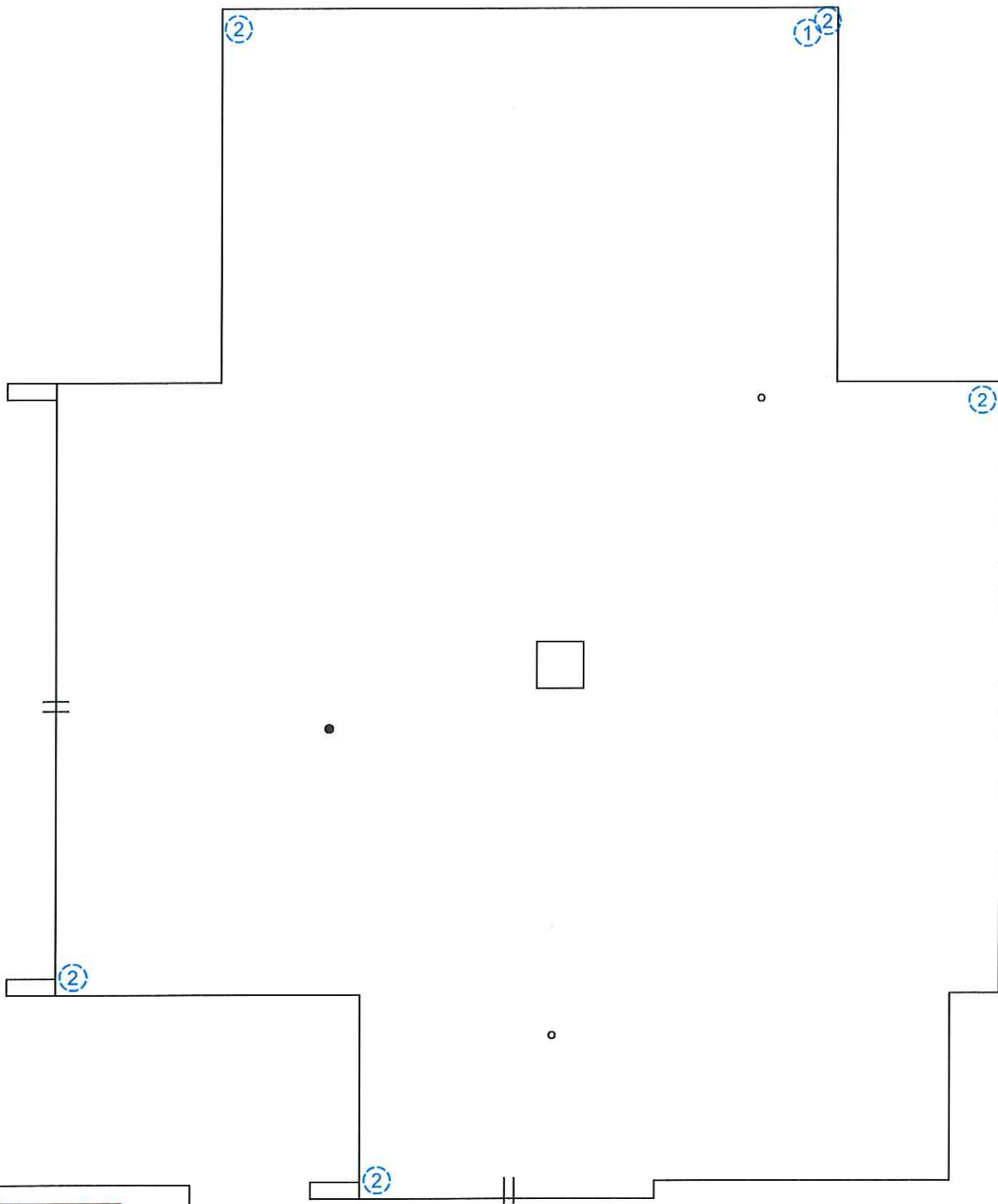


SYMBOLS KEY	
††	SCUPPER
#	DEFECT-REPAIR
#	DEFECT-MONITOR

DEFECT KEY	
#	2015 NO DEFECT
#	2015 NO DEFECT

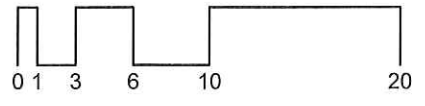


<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> HC3- METHEDRAS DORM <b>SECTION</b> B</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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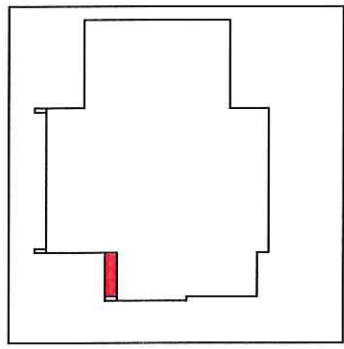
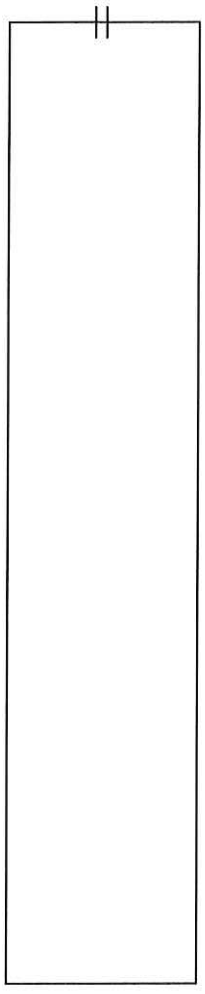


SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
⊥	SCUPPER
# (in red circle)	DEFECT-REPAIR
# (in blue circle)	DEFECT-MONITOR

DEFECT KEY	
①	BLISTERED BASE FLASHING
②	EROSION OF AGGARGATE SURFACING

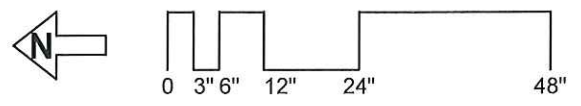



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> HC4- NAOUTH A DORM <b>SECTION</b> A</p>	<p><b>CLIENT</b> MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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SYMBOLS KEY	
	SCUPPER
	DEFECT-REPAIR
	DEFECT-MONITOR

DEFECT KEY	
	2015 NO DEFECT
	2015 NO DEFECT



<p><b>CAMPUS</b> SOUTHWEST MINNESOTA STATE UNIVERSITY</p>	<p><b>BUILDING</b> HC4- NAOUTH A DORM <b>SECTION</b> B</p>	<p><b>CLIENT</b>  MINNESOTA STATE COLLEGES &amp; UNIVERSITIES 500 WELLS FARGO PLACE 30 EAST 7TH STREET ST. PAUL, MINNESOTA 55101</p>	<p><b>RSI PROJECT NUMBER</b> 15-9779-01 <b>DATE</b> 12/02/2015</p>
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# **Southwest Minnesota State University**

## **Information Technology Services July 2013 – June 2016 Strategic Plan**

### **Introduction**

There is little dispute that information technology has become an integral aspect of higher education. In many ways it is transforming the core activities of colleges and universities. SMSU is no different than any other academic institution in this regard. As a result, it is imperative that sound strategic planning for how information technology resources will be developed and deployed is essential for the long-term success of the University. This need is exceedingly important in an era of limited financial resources that are available for public higher education institutions. Information technology resources are critical for such areas as innovation in instruction, business process enhancement, data-driven decision making and enhanced communications services among others.

To support the information technology services strategic plan development, SMSU's Information Technology Services (SMSU ITS) department engaged in a multi-year process focused on obtaining input from across the University community. The local feedback has been supplemented by extensive efforts among SMSU ITS staff to assess the general state of information technology trends and directions—specifically those trends and directions within higher education.

### **Planning Process**

Specific activities that were used to drive the development of this strategic plan began in earnest in the Spring of 2011. There were several key activities included in the process. First, as part of a broader Presidential Transition Report development process initiated by MnSCU, there was a site visit by the Chief Information Officer from Minnesota State University, Mankato and a team of his senior leadership in the Spring of 2011 to meet with various constituent groups on campus regarding the state of information technology services at SMSU. At his invitation, the SMSU Chief Information Officer participated in these sessions. SMSU ITS staff also met as a group and individually with the Minnesota State University, Mankato team. Second, there were “Listening Sessions” with various campus constituency representatives conducted by the SMSU Chief Information Officer in the Spring of 2011 and the Fall of 2011. Third, a Fall 2012 site visit was conducted by MnSCU System Office Information Technology Services staff at the invitation of the Chief Information Officer.

The results of these activities were summarized and reviewed with SMSU ITS staff and the University Technology Advisory Committee as permitted. As a result of this review, the CIO worked with the University Technology Advisory Committee (UTAC) during the 2011-2012 academic year on the development of four strategic directions for a university-wide focus. Following the development of the strategic directions, the CIO worked to develop a series of specific goals and objectives within each of the strategic directions. A series of drafts of the strategic plan including goals and objectives were reviewed with the UTAC during the 2012-2013 academic year. The most recent review was conducted in April 2013. Following the UTAC's last review, an additional draft was developed and circulated for review among SMSU ITS staff and the President's Cabinet. This later draft included proposed new vision and mission statements for SMSU ITS.

*Note: The Presidential Transition Report itself is considered a confidential document pursuant to Minnesota Statute 13.392 and thus was not distributed.*

As a next step, SMSU ITS will be engaged in the development and implementation of a tactical plan to accomplish the varied goals and objectives outlined for the three year period beginning July 1, 2013. It is anticipated that the tactical plan will need to be dynamic in light of factors that will be outside of SMSU ITS's direct control including budgetary and staffing resources available and/or new University or MnSCU initiatives that may require a shift in priorities.

SMSU ITS will incorporate an ongoing assessment and evaluation of its performance in meeting the goals and objectives identified into currently existing processes. These processes include reports provided to the University Technology Advisory Committee, the President's Cabinet and performance reviews.

### **Planning Factors & Assumptions**

It is important to note that the strategic plan outlined in this document incorporates the fact that SMSU's information technology environment is not, nor will be, a stand-alone environment. As a member of the MnSCU System, SMSU is reliant upon core administrative software applications managed by the System Office's Information Technology Services division. These applications include the Integrated Student Records Systems (ISRS), Degree Audit Reporting (DARS) and Hyperion Brio. In addition, the System Office manages a system wide implementation of course management software-- Desire2Learn (D2L). Also, the System Office is in the process of implementing a system wide deployment of Event Management Systems—a classroom and event management & resource scheduling software—and StarID—an identity management service. The System Office also provides leadership and support in the area of wide area networks and information security.

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Other factors and assumptions incorporated into this strategic plan are as follows:

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### **SMSU Information Technology Services Vision**

We will be both a proactive and responsive service organization that fully supports the University community in the innovative utilization of information technology resources to make SMSU a university of choice.

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## STRATEGIC DIRECTIONS

1. **A highly technologically literate and informed campus community.**  
Services and activities will be performed which meet the needs of faculty, staff and students seeking to thrive in today's rapidly evolving technology-enabled learning environments and workplaces.
2. **A reliable, accessible, secure and advanced technology infrastructure.**  
On an ongoing basis, ensure that the information technology based tools deployed for the SMSU community's use meet these criteria to the fullest extent possible.
3. **A clearly understood, customer-service oriented and agile information technology services organization.**  
ITS will continue to pursue strategies and steps that are customer-service focused, ensure responsiveness to University needs, and successful completion of projects. Special emphasis will be given to making ITS more transparent to the University community.
4. **Support for tools and processes that enable increased efficiency and innovation across all areas of the University.**  
As higher education faces the dual challenges of increasing competition and increased demands for accountability and efficiency, the SMSU community will need access to resources and expertise that support individual and collective efforts that make the University more effective in meeting strategic priorities.

## Goals & Objectives

### **Strategic Direction #1 -- A highly technologically literate and informed campus community.**

Services and activities will be performed which meet the needs of faculty, staff and students seeking to thrive in today's rapidly evolving technology-enabled learning environments and workplaces.

- Goal 1:** Expand the scope of information technology-related training activities and support for faculty and staff on deployed and planned technologies.

- Objective 1: Complete the two-year pilot initiative begun in FY 2013 in conjunction with the Student Technology Fee Committee that funds a Graduate Assistant position focused on providing instructional technology support assistance for faculty. Assistance provided includes such methods as direct phone support, group presentations, and scheduled consulting visitations. Collect data to evaluate the effectiveness of the initiative. Based on pilot results, formulate a recommendation to the Provost regarding continuation of the Graduate Assistant approach vis-à-vis other staffing support solutions.
- Objective 2: Expand D2L Users Group concept into other technology tools (e.g., Adobe Connect, Image Now) user groups including the potential for broader academic technology and administrative technology tools user groups.
- Objective 3: Develop a centralized “technology resource library”, including links to readily available online resources for faculty and staff to access on a just-in-time basis.
- Objective 4: Investigate the use of social media and/or collaboration tools to enhance the value of the User Groups contemplated (see Objective #2).
- Objective 5: Initiate routine “Tech Tips” sessions for faculty and staff regarding select technologies in broad use (or viable for broader use) across campus.
- Objective 6: Utilize the SMSU ITS web site as a dynamic information sharing site including such elements routine blogs, video tutorials, etc. from SMSU ITS staff regarding new features or advancements in specific tools.
- Objective 7: As part of a broader departmental level consulting process (See Strategic Direction 4, Goal 1, Objective 1), continuously assess technology training needs in conjunction with academic department chairs and administrative department directors.
- Objective 8: Utilize and actively promote tools such as the SMSU ITS web site and the Manage Engine Service Desk (helpdesk ticketing, etc.) software to provide “self-service” resources that can be useful in resolving common issues incurred.
- Goal 2:** Enhance current services and/or develop new services that support high levels of student information technology literacy.
- Objective 1: Roll out the newly developed “Orientation to D2L” short-course for students seeking to enhance their skills with D2L.
- Objective 2: Engage the Academic Technology Committee (Faculty Technology Committee) in a “strategies to enhance student information technology literacy at SMSU” discussion.
- Objective 3: Participate with appropriate departments (e.g., Student Services, Residential Life, Library) to promote the importance of such items as maintaining good data privacy practices and compliance with anti-piracy laws.

**Objective 4:** Partner with appropriate departments (e.g, Student Services, Admissions) to ensure students have a detailed understanding of how to access and fully utilize the technology tools available to them as SMSU students. Such tools include on-campus data storage, printing services, campus networks, Office 365 tools, campus labs, and StarAlert.

**Goal 3:** Promote the use of tools and practices that can lead to an accessible technology environment for persons with disabilities at SMSU pursuant to the FY 2013 Technology Accessibility Task Force's recommendations.

**Objective 1:** Develop a University wide awareness campaign that highlights the importance of technology accessibility and highlights key practices that address common accessibility issues.

**Objective 2:** Develop specific presentations outlining best practices and techniques for creating accessible technology-enabled programs and resources. Make the presentations available in multiple mediums including live and recorded sessions.

**Goal 4:** Promote technological tools as a means for enhancing sustainability practices on campus.

**Objective 1:** Develop an awareness campaign focused on informing the University community of best practices for the use of technology to improve sustainability efforts.

**Strategic Direction #2 -- A reliable, accessible, secure and advanced technology infrastructure.**

On an ongoing basis, ensure that the information technology based tools deployed for the SMSU community's use meet these criteria to the fullest extent possible.

**Goal 1:** Implement a process that ensures SMSU's core technology services infrastructure, including underlying systems and end user tools and services, can be routinely evaluated in light of the University community's service needs.

**Objective 1:** In conjunction with the development of a SMSU ITS Services Catalog (Strategic Direction 3, Goal 1, Objective 2), develop a Core Applications & Systems Inventory that clearly identifies the relationship of applications & systems and service solutions in use to services supported.

**Objective 2:** Develop lifecycle review plans for all applications, systems, and service solutions in use to ensure that future investments to be made meet the needs of the University community.

**Objective 3:** Develop an assessment instrument to establish benchmark adoption rates for various technology tools across the institution by faculty and staff. In addition, implement a process to continually assess adoption rates and to determine reasons for high or low adoption rates and whether or not further action is warranted from SMSU ITS to stimulate use and/or whether support for certain tools should be phased out.

- Objective 4: Develop a process to identify service gaps between SMSU ITS services and University community needs. Such a process could include survey instruments, existing technology committees, departmental consultations and involvement in external higher education technology communities
- Objective 5: Develop a framework that is inclusive of the University community for assessing (and potentially choosing) new approaches and innovations to delivering needed services (either current or new) to the University community.
- Goal 2:** Implement internal departmental procedures for services development, deployment, maintenance & updates, upgrades & enhancements, and expansions that emphasize providing reliable and consistent production services to the University community.
- Objective 1: Develop standard templates and approaches that support sound change management and enable peer review of plans and steps.
- Objective 2: As funding permits, develop test or development environments for SMSU ITS managed server-based services (e.g., University web site, Mustang Card) deemed mission critical by the University community.
- Objective 3: Develop tools that can be used to track critical information on production services such as software license renewal dates, technical specifications, vendor support contact information, purchase date of hardware utilized, service history (e.g., date of software updates), and projected replacement dates.
- Objective 4: Where viable, expand the use of automated approaches to deploying routine updates and patches to systems that support critical services.
- Goal 3:** Continue efforts to enhance the SMSU Data Center’s operations and reliability.
- Objective 1: Update plans for enhancing physical infrastructure such as electrical, air conditioning and security systems that can be implemented in phases as funding permits.
- Objective 2: Continue migration of physical server environment to the virtual server environment.
- Objective 3: Enhance systems that support key services such as data back-up and data storage. Planning and implementation will consider a mix of in-house and off-site systems.
- Goal 4:** Develop strategies and funding mechanisms to ensure that SMSU campus network infrastructure, including wireless capacity, is a “state-of-art” system that meets the needs of the SMSU community and campus guests within the security policies, procedures and guidelines adopted by MnSCU.
- Objective 1: Complete a wireless site survey to identify gaps in current wireless capacity vis-à-vis anticipated growth in demand for wireless network bandwidth on campus in the next 3-5 years.

- Objective 2: Develop a plan for wired and wireless network infrastructure upgrades across campus that will be necessary over the next 3-5 years.
- Objective 3: Develop funding mechanisms to support ongoing network enhancements in partnership with key constituencies on campus including Housing and the Student Senate.
- Objective 4: Continue investigation and deployment of tools that enable robust network access at appropriate security levels to SMSU's network for members of the University community and guests.
  
- Goal 5:** Implement MnSCU StarID to be utilized as a single identifier for enabling University community access to most services hosted by SMSU.
- Objective 1: Engage an external consultant to conduct an assessment of SMSU's active directory infrastructure.
- Objective 2: Implement necessary changes to the active directory infrastructure which support an effective StarID implementation and enhance other technology services.
- Objective 3: Work with the MnSCU StarID deployment team to successfully implement StarID as the primary identifier for campus hosted applications and services.
  
- Goal 6:** Develop a comprehensive information security plan that takes into account such factors as: a) MnSCU information security policies, procedures and guidelines; b) FERPA & HIPAA regulations; c) Payment Card Industry (PCI) requirements and d) results of the MnSCU Information Security Assessment Program conducted in 2007-2008 and the 2013 MnSCU Vulnerability Management Initiative.
  
- Goal 7:** Formalize Disaster Recovery & Business Continuity processes
- Objective 1: Initiate a series of discussions among SMSU ITS staff to identify potential scenarios (e.g., weather events, pandemic) that could negatively impact ITS operations and current gaps in SMSU ITS's ability to maintain services.
- Objective 2: As a result of the scenario Identification and subsequent gap analysis, develop specific action plans to mitigate gaps in ability to recover from disasters and/or maintain business continuity.

**Strategic Direction #3 -- A clearly understood, customer-service oriented and agile information technology services organization.**

SMSU ITS will continue to pursue strategies and steps that are customer-service focused, ensure responsiveness to University needs, and successful completion of projects. Special emphasis will be given to making SMSU ITS more transparent to the University community.

- Goal 1:** Implement strategies that enhance the transparency and visibility of SMSU ITS organization and services.
- Objective 1: Develop and make available documentation, including organization charts and workflow diagrams, which guide the University community on steps and processes to follow for such items as using specific services, getting the quickest support on specific services and how to initiate project requests.
- Objective 2: Develop a SMSU ITS Services Catalog.
- Objective 3: Develop, publicize and conduct SMSU ITS services awareness programs for interested constituencies. Consider utilizing the “speed dating” model utilized for Faculty Development Day in August 2012. Potentially incorporate into the Departmental Consulting Program (See Strategic Direction 4, Goal 1, Objective 1).
- Objective 4: Continue to use the SMSU ITS web site, and additional tools highlighted under Strategic Direction 1 Goals, to promote and publicize ITS services, policies and operational procedures.
- Objective 5: Develop and publicize an SMSU ITS Help Desk “priorities statement”.
- Objective 6: Investigate the feasibility of implementing tools (e.g., dashboards) that can be utilized to provide clients updates on the status of SMSU ITS projects and initiatives.
- Goal 2:** Enhance agility of SMSU ITS to meet continuously changing client needs and enhance customer service for the SMSU community.
- Objective 1: Develop survey instruments to assess current and ongoing levels of customer satisfaction with SMSU ITS services. Levels of customer satisfaction identified shall include satisfaction with current services and identification of any gaps among services provided and services desired.
- Objective 2: Review results of assessments and implement initial steps (e.g. analysis of new service options, professional development plans for staff) focused on addressing any areas of concerns that are highlighted.
- Objective 3: Research the practicality and viability of using “service level agreements” to support specific services in place for individual constituencies and departments.
- Objective 4: Investigate the value of implementing extended hours for SMSU ITS support beyond current levels in light of budgetary restrictions.
- Objective 5: Research strategies and implement activities (e.g., routine discussion sessions with full-time staff, specific training programs) that improve the technology and customer services skills of SMSU ITS student workers.

- Objective 6: Evaluate the value of adopting widespread IT service management strategies (e.g., ITIL) within SMSU ITS.
- Objective 7: Continue existing internal departmental initiative to fully adopt Kablink as a multi-purpose tool to support such key operations needs as documentation management, project management, and change management.
- Objective 8: Implement a process to annually review SMSU ITS staff position descriptions and update the position descriptions to the extent possible to help support addressing unmet needs.

**Strategic Direction #4 -- Support for tools and processes that enable increased efficiency and innovation across all areas of the University.**

As higher education faces the dual challenges of increasing competition and increased demands for accountability and efficiency, the SMSU community will need access to resources and expertise that support individual and collective efforts that make the University more effective in meeting strategic priorities.

- Goal 1:** Expand scope of existing feedback channels to ensure that as wide as a net is cast to identify the University community's service needs and business process enhancement opportunities.
- Objective 1: Develop a Departmental Consulting program that includes routine meetings with academic and administrative departments. These meetings would be focused on identifying 1) training & support needs for existing services, 2) satisfaction with current SMSU ITS services, 3) currently available solutions that can meet needs, and 4) gaps between desired and existing services
- Objective 2; Promote the availability of SMSU ITS staff to participate in constituent group meetings on campus technology services and needs.
- Goal 2:** Develop and implement strategies that enhance the SMSU community's ability to fully utilize mobile devices in teaching, learning, work and recreational activities.
- Objective 1: Develop a "Mobility Lab" that supports faculty desiring access to the tools that can support integrating mobile devices into teaching and learning.
- Objective 2: Perform an assessment of existing capacity, current plans and future needs for the University's wireless network infrastructure to ensure that the University community's needs for wireless capacity are met for the foreseeable future (See Strategic Direction 2, Goal 4). Options for future infrastructure enhancements that should be considered include partnerships with wireless network service providers.



Objective 3: Initiate discussions with appropriate service units (e.g., Business Services, Web Services) to identify service strategies, policies and procedures that position the University to be a “mobile device friendly” institution.

**Goal 3:** Build the capacity to effectively support the ability to provide systems and tools which can lead to enhanced business processes across the University.

Objective 1: Research methods utilized by peer institution ITS departments to provide a framework for building systems and tools (e.g., e-forms, automated workflows, collaboration tools, web applications) that support enhanced business processes at their institutions.

Objective 2: Determine an optimal technical direction for SMSU to pursue as its framework technology(s) for supporting development of business process enhancement tools that takes into account factors unique to SMSU such as tools and services already in use (e.g., ISRS, Image Now).

Objective 3: Identify new staffing needs and/or training needs for existing staff to address existing gaps between SMSU ITS staff capabilities and the University’s business process enhancement needs.

Objective 4: Contingent upon completion of Objectives 2 and 3, develop a plan and budget for securing the capacity (e.g., hardware, software, staffing, skills, vendor partnerships) needed.

Objective 5: Begin implementation of capacity development.

**Goal 4:** Investigate the expanded use of vendor provided “cloud based” services or emerging “MnSCU wide shared services” for University community utilization.

Objective 1: Complete migration of e-mail, calendaring, collaboration and storage services for students from the Microsoft Live@Edu platform to Office 365.

Objective 2: Develop a recommendation, pursuant to Attorney General’s Office action, regarding transitioning faculty and staff to Office 365 as soon as summer 2014 for a similar scope of services.

Objective 3: Develop a recommendation on whether or not to pursue “software as a service” options available for students, faculty and staff made available as part of expanded Office 365 options.

Objective 4: Explore options for unique cloud based services that departments can utilize modeled on the “off-site back-up” solution used by Communications & Marketing for the “Photo Server”.

**Objective 5:** Continue full participation in “MnSCU Shared Services” discussion underway among the MnSCU ITS community.

**Goal 5:** In conjunction with the Departmental Consulting Program (Strategic Direction 4, Goal 1, Objective 1), conduct routine evaluations of core business processes used across the University to identify areas for innovation & efficiency, including campus wide collaborations. Examples of recent initiatives include the common Multi-Functional Device program and the expansion of a student worker time clock management solution.

**Goal 6:** In conjunction with Web Services, investigate the feasibility and value of implementing a robust single sign on Web Portal as core platform for university-wide e-tools and e-processes.

**Objective 1:** Assess the marketplace of web portal solutions commonly in use across higher education.

**Objective 2:** Identify staffing and other technical expertise needed to effectively implement and maintain a robust web portal.

**Goal 7:** Develop a Business Intelligence test environment that can be used to enhance access for administrators, faculty and staff to actionable information to support decision-making processes.

**Objective 1:** Develop the technical infrastructure that can be used to support BI testing.

**Objective 2:** Provide training for key SMSU ITS staff on such concepts as data warehouse development, database administration and reporting tools and services.

**Goal 8:** Continue to leverage the University’s membership in SHOT to deploy communications tools that can enhance instruction and productivity.

## **Southwest Minnesota State University**

### **Information Technology Services July 2013 – June 2016 Strategic Plan**

#### **Introduction**

There is little dispute that information technology has become an integral aspect of higher education. In many ways it is transforming the core activities of colleges and universities. SMSU is no different than any other academic institution in this regard. As a result, it is imperative that sound strategic planning for how information technology resources will be developed and deployed is essential for the long-term success of the University. This need is exceedingly important in an era of limited financial resources that are available for public higher education institutions. Information technology resources are critical for such areas as innovation in instruction, business process enhancement, data-driven decision making and enhanced communications services among others.

To support the information technology services strategic plan development, SMSU's Information Technology Services (SMSU ITS) department engaged in a multi-year process focused on obtaining input from across the University community. The local feedback has been supplemented by extensive efforts among SMSU ITS staff to assess the general state of information technology trends and directions—specifically those trends and directions within higher education.

#### **Planning Process**

Specific activities that were used to drive the development of this strategic plan began in earnest in the Spring of 2011. There were several key activities included in the process. First, as part of a broader Presidential Transition Report development process initiated by MnSCU, there was a site visit by the Chief Information Officer from Minnesota State University, Mankato and a team of his senior leadership in the Spring of 2011 to meet with various constituent groups on campus regarding the state of information technology services at SMSU. At his invitation, the SMSU Chief Information Officer participated in these sessions. SMSU ITS staff also met as a group and individually with the Minnesota State University, Mankato team. Second, there were "Listening Sessions" with various campus constituency representatives conducted by the SMSU Chief Information Officer in the Spring of 2011 and the Fall of 2011. Third, a Fall 2012 site visit was conducted by MnSCU System Office Information Technology Services staff at the invitation of the Chief Information Officer.

The results of these activities were summarized and reviewed with SMSU ITS staff and the University Technology Advisory Committee as permitted. As a result of this review, the CIO worked with the University Technology Advisory Committee (UTAC) during the 2011-2012 academic year on the development of four strategic directions for a university-wide focus. Following the development of the strategic directions, the CIO worked to develop a series of specific goals and objectives within each of the strategic directions. A series of drafts of the strategic plan including goals and objectives were reviewed with the UTAC during the 2012-2013 academic year. The most recent review was conducted in April 2013. Following the UTAC's last review, an additional draft was developed and circulated for review among SMSU ITS staff and the President's Cabinet. This later draft included proposed new vision and mission statements for SMSU ITS.

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As a next step, SMSU ITS will be engaged in the development and implementation of a tactical plan to accomplish the varied goals and objectives outlined for the three year period beginning July 1, 2013. It is anticipated that the tactical plan will need to be dynamic in light of factors that will be outside of SMSU ITS's direct control including budgetary and staffing resources available and/or new University or MnSCU initiatives that may require a shift in priorities.

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## Goals & Objectives

### **Strategic Direction #1 -- A highly technologically literate and informed campus community.**

Services and activities will be performed which meet the needs of faculty, staff and students seeking to thrive in today's rapidly evolving technology-enabled learning environments and workplaces.

**Goal 1:** Expand the scope of information technology-related training activities and support for faculty and staff on deployed and planned technologies.

**Objective 1:** Complete the two-year pilot initiative begun in FY 2013 in conjunction with the Student Technology Fee Committee that funds a Graduate Assistant position focused on providing instructional technology support assistance for faculty. Assistance provided includes such methods as direct phone support, group presentations, and scheduled consulting visitations. Collect data to evaluate the effectiveness of the initiative. Based on pilot results, formulate a recommendation to the Provost regarding continuation of the Graduate Assistant approach vis-à-vis other staffing support solutions.

A new GA (Maria Kalyvaki) was hired for this position for the 2013-14 academic year as the first GA (Sapana Joshi) graduated. Data collected by the GA's demonstrated a significant increase in contact time with faculty and staff. Contact time includes a variety of methods. Pursuant to a review of the data, the Student Technology Fee Committee recommended funding for the Graduate Assistant position to continue for the 2014-15 academic year. To support the GA's, the CIO pulled together a subset of ITS staff for monthly meetings to assess ongoing needs pertaining to instructional technology support and develop action plans. Discussions on how instructional technology support can be increased in conjunction with University wide strategic plan development are ongoing.

**Objective 2:** Expand D2L Users Group concept into other technology tools (e.g., Adobe Connect, Image Now) user groups including the potential for broader academic technology and administrative technology tools user groups.

ITS staff are exploring expansion of the Users Group concept with other tools. A Fall 2014 survey to be conducted among faculty/staff will be used to assess which technology tools have most potential for vibrant user groups.

**Objective 3:** Develop a centralized "technology resource library", including links to readily available online resources for faculty and staff to access on a just-in-time basis.

ITS staff explored the possibility of developing a contract with Lynda.Com during the past year after an initiative undertaken by the MnSCU Campus Service Cooperative to negotiate a system wide contract was unsuccessful. The negotiations were unsuccessful as Lynda.Com required all MnSCU institutions to purchase the service. Terms provided to SMSU for an individual institutional contract were not equivalent to those offered as part of a systemwide agreement. Given that several University constituencies have expressed skepticism about the value of services like Lynda.Com, such a service has not been funded through such avenues as the Student Technology Fee and other available funding. ITS is continuing to explore options for providing just-in time resources for the University community.

**Objective 4:** Investigate the use of social media and/or collaboration tools to enhance the value of the User Groups contemplated (see Objective #2).

Per status of Objective #2, limited investigation into the use of social media and/or collaboration tools to support User Groups has been initiated. ITS has opened up a twitter account for use with important technology related announcements for the University and is also testing collaboration tools internally that may have value for User Groups.

Objective 5: Initiate routine “Tech Tips” sessions for faculty and staff regarding select technologies in broad use (or viable for broader use) across campus.

Planning for routine sessions is still in progress. Some small trainings during the lunch hour on topics such as “smart board tools” have been initiated. However, these trainings have only been periodic to date.

Objective 6: Utilize the SMSU ITS web site as a dynamic information sharing site including such elements routine blogs, video tutorials, etc. from SMSU ITS staff regarding new features or advancements in specific tools.

As a precursor to a broad incorporation of the various elements described above, ITS is rebuilding the departmental web site in Summer 2014 to make it more user friendly and easier to maintain. In the interim some use of tools like Camtasia video/lecture capture were implemented for video tutorials including a tutorial on how to activate a StarID. The use of other tools such as the Kaltura media management tool to post tutorials are under investigation.

Objective 7: As part of a broader departmental level consulting process (See Strategic Direction 4, Goal 1, Objective 1), continuously assess technology training needs in conjunction with academic department chairs and administrative department directors.

Limited progress has been made with the Departmental Consulting program to date. Program initiation is a focus for FY 15. However, it is important to note that an example of this program was initiated with the Administrative Assistants group in FY 14. ITS staff attended several Administrative Assistants group meetings during the year. This participation led to the development of some targeted training activities by ITS staff on using Microsoft Excel software to work with and interpret student data available from Data Management. Also, a specialized smartboard training was provided for the English Department. It is anticipated that the ITS Services Awareness Survey previously identified will be a useful instrument to support the program including the identification of training needs.

Objective 8: Utilize and actively promote tools such as the SMSU ITS web site and the Manage Engine Service Desk (helpdesk ticketing, etc.) software to provide “self-service” resources that can be useful in resolving common issues incurred.

As indicated above (see Objective #6), ITS is rebuilding its web site. Among the goals for the web site rebuild is to provide more access to the University community on “self-service” resources. In addition, ITS is examining the potential to make the Manage Engine Service Desk tool a more effective self-service resource base for the University community. Another potential tool under examination is the development of an ITS service catalog that can have links to self-service resources. Finally, SMSU ITS is monitoring an initiative as the MnSCU system level



to adopt a new service management tool that could also be utilized by individual institutions. A RFP has been issued by the system for potential products.

**Goal 2:** Enhance current services and/or develop new services that support high levels of student information technology literacy.

**Objective 1:** Roll out the newly developed "Orientation to D2L" short-course for students seeking to enhance their skills with D2L.

The short-course was completed prior to Fall 2013 semester. Plans exist to continually update the course to be consistent with D2L version updates.

**Objective 2:** Engage the Academic Technology Committee (Faculty Technology Committee) in a "strategies to enhance student information technology literacy at SMSU" discussion.

The topic was raised at the initial Fall 2013 semester ATC meeting. Discussion at the meeting centered on the need for an "Introduction to Online Education" course modeled after the "Orientation to D2L" course. Initial discussion was held at a Provost's staff meeting regarding the potential scope of such a course. In the interim, at the request of the faculty association, a forum is scheduled on the topic of online education as part of the August Faculty Development Day.

**Objective 3:** Participate with appropriate departments (e.g., Student Services, Residential Life, Library) to promote the importance of such items as maintaining good data privacy practices and compliance with anti-piracy laws.

No ITS action to date. However, as part of Fall 2013 Orientation, a session on Internet Piracy was held for incoming freshman by the Residential Life program.

**Objective 4:** Partner with appropriate departments (e.g., Student Services, Admissions) to ensure students have a detailed understanding of how to access and fully utilize the technology tools available to them as SMSU students. Such tools include on-campus data storage, printing services, campus networks, Office 365 tools, campus labs, and StarAlert.

ITS continues to participate in such events as Registration Days Parent Panels to share information regarding the scope of ITS services. However, partnerships with those departments that are interacting frequently with incoming and new students are still somewhat ad hoc. Jointly developed comprehensive strategies on how to ensure students know where to access information on critical technology services are still needed.

**Goal 3:** Promote the use of tools and practices that can lead to an accessible technology environment for persons with disabilities at SMSU pursuant to the FY 2013 Technology Accessibility Task Force's recommendations.

**Objective 1:** Develop a University wide awareness campaign that highlights the importance of technology accessibility and highlights key practices that address common accessibility issues.

ITS staff have made a concerted effort to educate the University community regarding technology accessibility needs. Among the specific activities included a brief presentation regarding the Technology Accessibility Task Force's recommendations at the Summer 2013 Staff Development Day. A brief overview was also provided at a 2013-14 D2L Users Group meeting. In addition, in conjunction with the Student Technology Fee Committee/Student Senate, ITS is purchasing a University-wide license for Adobe Creative Cloud (ACC) services beginning August 2014. Among the benefits of this service will widely available tools such as Adobe Acrobat to support the development of accessible documents by faculty and staff. Awareness sessions regarding the pending service were held during the Summer 2014 Staff Development Day. Future focused workshops on specific tools within the ACC are planned for the future as the service gets deployed.

**Objective 2:** Develop specific presentations outlining best practices and techniques for creating accessible technology-enabled programs and resources. Make the presentations available in multiple mediums including live and recorded sessions.

Workshops on the use of Adobe Acrobat and creating accessible forms were held for faculty and staff during the 2013-14 academic year. The presentations were recorded using Adobe Connect—a web conferencing tool that enables session archiving. As noted above, workshops on the tools available in Adobe Creative Cloud including Adobe Acrobat are planned for the future.

**Goal 4:** Promote technological tools as a means for enhancing sustainability practices on campus.

**Objective 1:** Develop an awareness campaign focused on informing the University community of best practices for the use of technology to improve sustainability efforts.

While a specific awareness campaign to promote sustainability practices has not yet been started, several initiatives have been undertaken which will help establish the framework for such a campaign. Previous initiatives include the Student Government requested Student Print Quota which included moving student use printers to a managed print service from Marco. Implemented in 2011, the Quota has served to significantly reduce printing costs. In addition, many administrative and academic departments have transitioned their "printer only" devices to Marco's managed print services. Current initiatives include the University-wide Adobe Creative Cloud license and an investigation underway to move all University printing systems to Marco's managed print service.

**Strategic Direction #2 -- A reliable, accessible, secure and advanced technology infrastructure.**

On an ongoing basis, ensure that the information technology based tools deployed for the SMSU community's use meet these criteria to the fullest extent possible.

**Goal 1:** Implement a process that ensures SMSU's core technology services infrastructure, including underlying systems and end user tools and services, can be routinely evaluated in light of the University community's service needs.

**Objective 1:** In conjunction with the development of a SMSU ITS Services Catalog (Strategic Direction 3, Goal 1, Objective 2), develop a Core Applications & Systems Inventory that clearly identifies the relationship of applications & systems and service solutions in use to services supported.

Formal development of the Inventory has not yet been initiated.

**Objective 2:** Develop lifecycle review plans for all applications, systems, and service solutions in use to ensure that future investments to be made meet the needs of the University community.

Formal development of lifecycle review plans has not yet been initiated.

**Objective 3:** Develop an assessment instrument to establish benchmark adoption rates for various technology tools across the institution by faculty and staff. In addition, implement a process to continually assess adoption rates and to determine reasons for high or low adoption rates and whether or not further action is warranted from SMSU ITS to stimulate use and/or whether support for certain tools should be phased out.

A SMSU ITS Services Awareness Survey is in development that among other goals will seek to identify adoption rates for available services among faculty and staff. An initial attempt at determining reasons for various service adoption rates may also be incorporated.

**Objective 4:** Develop a process to identify service gaps between SMSU ITS services and University community needs. Such a process could include survey instruments, existing technology committees, departmental consultations and involvement in external higher education technology communities.

In conceptual stage. Will likely need to involve multiple strategies as noted above.

**Objective 5:** Develop a framework that is inclusive of the University community for assessing (and potentially choosing) new approaches and innovations to delivering needed services (either current or new) to the University community.

While a formal framework has not been adopted, a model for such a framework could be the Digital Signage of the Future Task Force approach. This task force was formed among interested constituencies to review requirements and options for Digital Signage at the University. Attention will be needed to providing opportunities for all potential interested parties in such task forces.

**Goal 2:** Implement internal departmental procedures for services development, deployment, maintenance & updates, upgrades & enhancements, and expansions that emphasize providing reliable and consistent production services to the University community.

**Objective 1:** Develop standard templates and approaches that support sound change management and enable peer review of plans and steps.

During FY 14, ITS worked to develop 1) a “systems documentation” template and 2) a “quick project vetting template”. In addition, an internal ticketing system pilot was implemented in support of web services and applications development projects. To further support change management and peer review of plans and steps, weekly 30-45 minute web conference meetings among systems administrators and other ITS staff were implemented in order to collectively update each other and seek feedback on projects and initiatives. Departmental reorganization efforts described elsewhere in this status report are also focused on enhancing change management and peer review processes.

**Objective 2:** As funding permits, develop test or development environments for SMSU ITS managed server-based services (e.g., University web site, Mustang Card) deemed mission critical by the University community.

While test/development environments are limited, an important test environment was developed for the StarID and Active Directory project completed in FY 14. Plans exist to develop a development/test environment for the University’s web services infrastructure during FY 15.

**Objective 3:** Develop tools that can be used to track critical information on production services such as software license renewal dates, technical specifications, vendor support contact information, purchase date of hardware utilized, service history (e.g., date of software updates), and projected replacement dates.

Development of several databases are in progress to track critical information. Priority databases include software licenses and “Cloud Service” contracts. It is anticipated that these databases will be part of a large resource collection that will provide significant support for University processes.

**Objective 4:** Where viable, expand the use of automated approaches to deploying routine updates and patches to systems that support critical services.

Significant progress has been made in the deployment of automated approaches for routine updates and third-party patches. A key component of this progress has been the full implementation of Microsoft’s System Center Configuration Manager (SCCM) product.

**Goal 3:** Continue efforts to enhance the SMSU Data Center’s operations and reliability.

**Objective 1:** Update plans for enhancing physical infrastructure such as electrical, air conditioning and security systems that can be implemented in phases as funding permits.

Planning for electrical system upgrade for Data Center is ongoing. Electrical system upgrade will need to occur in phases and is pending available funding from ITS operating funds and other sources where possible. Additional air conditioning system upgrades are currently less of a priority. Physical security upgrades for Data Center may become a need pending future systemwide information security assessments.

**Objective 2:** Continue migration of physical server environment to the virtual server environment.

Significant new virtual server capacity was added during FY 14. In addition, more capacity was purchased to support the Active Directory migration/StarID and Exchange upgrade projects. This capacity will be transitioned into core Data Center operations during FY 15.

**Objective 3:** Enhance systems that support key services such as data back-up and data storage. Planning and implementation will consider a mix of in-house and off-site systems.

A new back-up appliance (Data Protection Manager) was purchased and installed during FY 14. Most servers are being backed up with the new appliance. Optimization efforts are in progress. Most servers are now backing-up to the system.

The NetApp storage system that was initially implemented in FY 13 was expanded in FY 14. Additional capacity expansion plans are in progress.

**Goal 4:** Develop strategies and funding mechanisms to ensure that SMSU campus network infrastructure, including wireless capacity, is a “state-of-art” system that meets the needs of the SMSU community and campus guests within the security policies, procedures and guidelines adopted by MnSCU.

**Objective 1:** Complete a wireless site survey to identify gaps in current wireless capacity vis-à-vis anticipated growth in demand for wireless network bandwidth on campus in the next 3-5 years.

A wireless site survey was conducted in Summer 2013.

**Objective 2:** Develop a plan for wired and wireless network infrastructure upgrades across campus that will be necessary over the next 3-5 years.

Plans for various aspects of campus network upgrades are in place. Funding for many of these projects have been secured through a combination of resources. These resources include Student Technology Fee, Housing and ITS funds. Projects in progress include 1) “Core Switch Infrastructure” upgrades, 2) Residential Hall switch upgrades, 3) Non-Residential Hall wireless access point upgrades, and 4) the Network Access Control system upgrade.

**Objective 3:** Develop funding mechanisms to support ongoing network enhancements in partnership with key constituencies on campus including Housing and the Student Senate.

As stated above under Objective 2, funding has been secured to support various network enhancement projects.

**Objective 4:** Continue investigation and deployment of tools that enable robust network access at appropriate security levels to SMSU's network for members of the University community and guests.

Significant research into network access tools was conducted during FY 14. As a result, several projects are underway to transition network access services to new systems during FY 15 that will enhance the experience for all University constituencies and University guests.

**Goal 5:** Implement MnSCU StarID to be utilized as a single identifier for enabling University community access to most services hosted by SMSU.

**Objective 1:** Engage an external consultant to conduct an assessment of SMSU's active directory infrastructure.

An assessment of SMSU's Active Directory infrastructure in light of needs for the migration to the StarID system was completed by NowMicro in Summer 2013.

**Objective 2:** Implement necessary changes to the active directory infrastructure which support an effective StarID implementation and enhance other technology services.

ITS worked with NowMicro and the MnSCU Enterprise Access Management Team over the course of FY 14 to develop project plans for the active directory infrastructure changes and StarID implementation. The projects were conducted in parallel in May. Staff are currently involved in working through the issues associated with a project of this scope to ensure smooth campus IT operations.

**Objective 3:** Work with the MnSCU StarID deployment team to successfully implement StarID as the primary identifier for campus hosted applications and services.

As noted above under Objective 2, StarID has been implemented as the primary identifier for campus hosted applications and services. Efforts to optimize StarID as it relates to such items as account management and third-party services are underway.

**Goal 6:** Develop a comprehensive information security plan that takes into account such factors as: a) MnSCU information security policies, procedures and guidelines; b) FERPA & HIPAA regulations; c) Payment Card Industry (PCI) requirements and d) results of the MnSCU Information Security Assessment Program conducted in 2007-2008 and the 2013 MnSCU Vulnerability Management Initiative.

Development of the comprehensive plan is in a conceptual stage. In the interim, compliance efforts with the numerous federal, state and MnSCU system requirements, policies, procedures

and guidelines are ongoing. Significant efforts were conducted during FY 14 to comply with requirements from the MnSCU Vulnerability Management Initiative.

**Goal 7:** Formalize Disaster Recovery & Business Continuity processes

**Objective 1:** Initiate a series of discussions among SMSU ITS staff to identify potential scenarios (e.g., weather events, pandemic) that could negatively impact ITS operations and current gaps in SMSU ITS's ability to maintain services.

Discussions contemplated have not been formally initiated. However, steps previously taken (i.e., shared generator project) have proven to limit impact on ITS operations of weather events that impact campus electrical outages and even planned outages.

**Objective 2:** As a result of the scenario Identification and subsequent gap analysis, develop specific action plans to mitigate gaps in ability to recover from disasters and/or maintain business continuity.

Pending Objective 1.

**Strategic Direction #3 -- A clearly understood, customer-service oriented and agile information technology services organization.**

SMSU ITS will continue to pursue strategies and steps that are customer-service focused, ensure responsiveness to University needs, and successful completion of projects. Special emphasis will be given to making SMSU ITS more transparent to the University community.

**Goal 1:** Implement strategies that enhance the transparency and visibility of SMSU ITS organization and services.

**Objective 1:** Develop and make available documentation, including organization charts and workflow diagrams, which guide the University community on steps and processes to follow for such items as using specific services, getting the quickest support on specific services and how to initiate project requests.

Some progress has been made toward this objective. Examples include posting of the Strategic Plan and the ITS organizational chart on the ITS web site. A new ITS organizational structure was also implemented July 2014 to assist with transparency. The ITS web site is also undergoing a major restructuring to ease access to information regarding ITS services. Efforts conducted over the years to publicize the Technology Resource Center as the "front door" to ITS has largely been successful. Items such as workflow diagrams and project request processes are still in conceptual stages.

**Objective 2:** Develop a SMSU ITS Services Catalog.

In conceptual stage. An ITS Services Awareness Survey is in development as a steppingstone to a full catalog.

Objective 3: Develop, publicize and conduct SMSU ITS services awareness programs for interested constituencies. Consider utilizing the “speed dating” model utilized for Faculty Development Day in August 2012. Potentially incorporate into the Departmental Consulting Program (See Strategic Direction 4, Goal 1, Objective 1).

In conceptual stage.

Objective 4: Continue to use the SMSU ITS web site, and additional tools highlighted under Strategic Direction 1 Goals, to promote and publicize ITS services, policies and operational procedures.

ITS has been more aggressive about using its web site as a news site for ITS services/updates. Also, a twitter account has been created for posting information.

Objective 5: Develop and publicize an SMSU ITS Help Desk “priorities statement”.

In conceptual stage.

Objective 6: Investigate the feasibility of implementing tools (e.g., dashboards) that can be utilized to provide clients updates on the status of SMSU ITS projects and initiatives.

In conceptual stage.

**Goal 2:** Enhance agility of SMSU ITS to meet continuously changing client needs and enhance customer service for the SMSU community.

Objective 1: Develop survey instruments to assess current and ongoing levels of customer satisfaction with SMSU ITS services. Levels of customer satisfaction identified shall include satisfaction with current services and identification of any gaps among services provided and services desired.

As indicated above, an “ITS Services Awareness Survey” is in development for a planned Fall 2014 release. A further objective of this survey is to gauge levels of customer satisfaction. Initial focus will be on faculty/staff. A later survey for students is also planned. A review of other tools that can be used for longer term satisfaction survey instruments such as the Tech Qual survey tool or potential MnSCU systemwide products will also be conducted.

Objective 2: Review results of assessments and implement initial steps (e.g. analysis of new service options, professional development plans for staff) focused on addressing any areas of concerns that are highlighted.

Pending completion of Objective 1 above.



Objective 3: Research the practicality and viability of using “service level agreements” to support specific services in place for individual constituencies and departments.

Under review. Examples that could be followed are SLAs implemented by SHOT for networking services and MSU, Mankato’s Image Now services SLA.

Objective 4: Investigate the value of implementing extended hours for SMSU ITS support beyond current levels in light of budgetary restrictions.

No action at this time. Limited demand to date.

Objective 5: Research strategies and implement activities (e.g., routine discussion sessions with full-time staff, specific training programs) that improve the technology and customer services skills of SMSU ITS student workers.

The Technology Resource Center Manager holds routine meetings with student workers to update them on support techniques for new services (e.g., Office365 Pro Plus) and changes to new services. In addition, specific trainings on new tools/techniques are conducted by other staff (e.g., workstation deployment in SCCM environment). Plans exist to enhance frequency of sessions between IT student workers and full-time staff to focus on key issues resolution.

Objective 6: Evaluate the value of adopting widespread IT service management strategies (e.g., ITIL) within SMSU ITS.

ITS participated in a MnSCU wide survey of institutional IT department service management requirements. The survey results were used to develop a MnSCU system RFP for qualified Information Technology Services Management (ITSM) products for adoption by MnSCU ITS and individual institutions if desired. Such a potential systemwide service will support shared services among institutions.

Objective 7: Continue existing internal departmental initiative to fully adopt Kablink as a multi-purpose tool to support such key operations needs as documentation management, project management, and change management.

Kablink has been adopted as the repository for internal documentation management. Its use for project management and change management is evolving. To date, the service has been used to support a limited number of projects.

Objective 8: Implement a process to annually review SMSU ITS staff position descriptions and update the position descriptions to the extent possible to help support addressing unmet needs.

The process is in place in conjunction with the Annual Performance Review process. In FY 2014, three position descriptions were rewritten. One new position description was written pursuant to a retirement. Several other positions have been identified as targets for revision in FY 15. Two PDs have been identified as priorities.

**Strategic Direction #4 -- Support for tools and processes that enable increased efficiency and innovation across all areas of the University.**

As higher education faces the dual challenges of increasing competition and increased demands for accountability and efficiency, the SMSU community will need access to resources and expertise that support individual and collective efforts that make the University more effective in meeting strategic priorities.

**Goal 1:** Expand scope of existing feedback channels to ensure that as wide as a net is cast to identify the University community's service needs and business process enhancement opportunities.

**Objective 1:** Develop a Departmental Consulting program that includes routine meetings with academic and administrative departments. These meetings would be focused on identifying 1) training & support needs for existing services, 2) satisfaction with current SMSU ITS services, 3) currently available solutions that can meet needs, and 4) gaps between desired and existing services.

Limited progress has been made with the Departmental Consulting program to date. Program initiation is a focus for FY 15. However, it is important to note that an example of this program was initiated with the Administrative Assistants group in FY 14. ITS staff attended several Administrative Assistants group meetings during the year. This participation led to the development of some targeted training activities by ITS staff on using Microsoft Excel software to work with and interpret student data available from Data Management. Also, a specialized smartboard training was provided for the English Department. It is anticipated that the ITS Services Awareness Survey previously identified will be a useful instrument to support the program.

**Objective 2:** Promote the availability of SMSU ITS staff to participate in constituent group meetings on campus technology services and needs.

As indicated above, some progress in this area has been made. However, further promotion is needed through available channels.

**Goal 2:** Develop and implement strategies that enhance the SMSU community's ability to fully utilize mobile devices in teaching, learning, work and recreational activities.

**Objective 1:** Develop a "Mobility Lab" that supports faculty desiring access to the tools that can support integrating mobile devices into teaching and learning.

The Mobility Lab was implemented during FY 2014. It is located in IL 218. The Lab is fitted with an iPad cart, 15 iPads, an Apple TV system and a projector/smartboard. ITS staff worked with faculty to acquire an initial set of "desired apps". Heaviest use of the Lab has been by the Education faculty and their "pre-service" students. The Lab was also used to support a training session of regional K-12 and post-secondary educators in June 2014.

**Objective 2:** Perform an assessment of existing capacity, current plans and future needs for the University's wireless network infrastructure to ensure that the University community's needs for wireless capacity are met for the foreseeable future (See Strategic Direction 2, Goal 4). Options for future infrastructure enhancements that should be considered include partnerships with wireless network service providers.

As indicated under the Strategic Direction 2, Goal 4 status notes, significant work has happened in regards to the University's wireless network infrastructure. These activities have included a wireless site survey and the securing of funding for numerous network projects.

**Objective 3:** Initiate discussions with appropriate service units (e.g., Business Services, Web Services) to identify service strategies, policies and procedures that position the University to be a "mobile device friendly" institution.

ITS continues to support Web Services (Communications & Marketing) in its efforts to make the SMSU web site mobile friendly. Limited development of unique SMSU web apps has occurred to date—in part due to an unfilled vacancy in Web Services for much of FY 14 (a new Web Designer started in April). Several external initiatives in this area are being monitored including 1) an initiative by the SMSU Computer Science Department to support a mobile app development service and 2) MnSCU efforts to develop e-services mobile apps.

**Goal 3:** Build the capacity to effectively support the ability to provide systems and tools which can lead to enhanced business processes across the University.

**Objective 1:** Research methods utilized by peer institution ITS departments to provide a framework for building systems and tools (e.g., e-forms, automated workflows, collaboration tools, web applications) that support enhanced business processes at their institutions.

Formal research of framework options not initiated to date.

**Objective 2:** Determine an optimal technical direction for SMSU to pursue as its framework technology(s) for supporting development of business process enhancement tools that takes into account factors unique to SMSU such as tools and services already in use (e.g., ISRS, Image Now).

Pending Objective #1

**Objective 3:** Identify new staffing needs and/or training needs for existing staff to address existing gaps between SMSU ITS staff capabilities and the University's business process enhancement needs.

Pending other Goals/Objectives. However, previously identified staffing needs generally continue to be valid. Staff training continues per internally determined requirements to support effective ITS operations.

Objective 4: Contingent upon completion of Objectives 2 and 3, develop a plan and budget for securing the capacity (e.g., hardware, software, staffing, skills, vendor partnerships) needed.

Pending completion of above objectives.

Objective 5: Begin implementation of capacity development.

Pending completion of above objectives.

**Goal 4:** Investigate the expanded use of vendor provided “cloud based” services or emerging “MnSCU wide shared services” for University community utilization.

Objective 1: Complete migration of e-mail, calendaring, collaboration and storage services for students from the Microsoft Live@Edu platform to Office 365.

Completed in early FY 2014. Service has since been expanded to include the Office 365 ProPlus service which provides currently enrolled students access to free Microsoft Office products.

Objective 2: Develop a recommendation, pursuant to Attorney General’s Office action, regarding transitioning faculty and staff to Office 365 as soon as summer 2014 for a similar scope of services.

During FY 14, the MnSCU Office of General Counsel authorized use of Office 365 e-mail and calendaring services for faculty and staff provided certain provisions were adhered to (e.g., legal hold capabilities). However, ITS determined to upgrade current SMSU ITS hosted e-mail & calendaring services in May rather than initiate Office 365 e-mail & calendaring services at this time. In the meantime, ITS will monitor initial deployments among other MnSCU institutions and MnSCU system office plans to implement Office 365 e-mail & calendaring services as part of future planning. Research has shown that steps taken by SMSU ITS in May would be a required precursor to an Office 365 deployment for faculty and staff.

Objective 3: Develop a recommendation on whether or not to pursue “software as a service” options available for students, faculty and staff made available as part of expanded Office 365 options.

As indicated above, SMSU ITS has made the free Office 365 Pro Plus program for students in the past year. SMSU ITS is currently evaluating whether or not the University should purchase Office 365 licenses for faculty and staff for software products such as Microsoft Office independent of a decision to use Office 365 for faculty/staff e-mail & calendaring services.

Objective 4: Explore options for unique cloud based services that departments can utilize modeled on the “off-site back-up” solution used by Communications & Marketing for the “Photo Server”.

ITS has supported several departments in their adoption of cloud-based services during the past year. This process has included the start of an initiative to conduct legal reviews of proposed

contracts or terms of service agreements in order to ensure that Minnesota statutes, MnSCU policies and FERPA rules and regulations are addressed. This process includes legal counsel from the Minnesota Attorney General's Office or the MnSCU Office of General Counsel.

**Objective 5:** Continue full participation in "MnSCU Shared Services" discussion underway among the MnSCU ITS community.

Until it was sunset in the middle of FY 14, the CIO was a full participant in the MnSCU ITS Shared Services Delivery Strategy Workgroup. Participation in individual shared services conversations continues including initiatives with systemwide focus (e.g., service management platforms) or groups of institutions.

**Goal 5:** In conjunction with the Departmental Consulting Program (Strategic Direction 4, Goal 1, Objective 1), conduct routine evaluations of core business processes used across the University to identify areas for innovation & efficiency, including campus wide collaborations. Examples of recent initiatives include the common Multi-Functional Device program and the expansion of a student worker time clock management solution.

Generally in conceptual stage. However, opportunities that arise (e.g., Marco Managed Print Services) are evaluated and pursued if deemed worth pursuing by multiple departments.

**Goal 6:** In conjunction with Web Services, investigate the feasibility and value of implementing a robust single sign on Web Portal as core platform for university-wide e-tools and e-processes.

**Objective 1:** Assess the marketplace of web portal solutions commonly in use across higher education.

Not initiated. Currently continue to use homegrown Southwest Net as a limited portal.

**Objective 2:** Identify staffing and other technical expertise needed to effectively implement and maintain a robust web portal.

Per Objective 1 above--not initiated.

**Goal 7:** Develop a Business Intelligence test environment that can be used to enhance access for administrators, faculty and staff to actionable information to support decision-making processes.

**Objective 1:** Develop the technical infrastructure that can be used to support BI testing.

Discussions continue among staff on infrastructure considerations that could enhance readily available access to information that supports decision-making processes. Such a new

infrastructure would build upon current systems in place such as ISRS and the “super tables” developed by Data Management/IR staff. In addition, evaluations of such tools as the Blackboard BI service implemented by MSU, Moorhead and internally developed systems in place at St. Cloud State and Winona State continues.

**Objective 2:** Provide training for key SMSU ITS staff on such concepts as data warehouse development, database administration and reporting tools and services.

During FY 14, ITS data management staff attended trainings on data warehouse development, reporting tools and services and SQL programming. Plans for database administration skills training are in progress.

**Goal 8:** Continue to leverage the University’s membership in SHOT to deploy communications tools that can enhance instruction and productivity.

Faculty and staff continue to increase their use of SHOT’s web conferencing service—Adobe Connect. Use of the joint MnSCU/SHOT online media management tool—Kaltura is also growing. The Jabber desktop video service has had some limited adoption. Another service in pilot stage—Acano Video Meeting Rooms—is also getting some use.



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## Minutes

Meeting: SMSU Steering Committee

Date: September 3, 2015

*Mike, Diana, John (Music), Mara (Librarian), Christopher (Student), Bill (VP of Development), Shawn (IT), Chris (Athletics), Scott (Dean),*

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### Overview:

LHB reviewed all the masterplan 'players' - SMSU, LHB, Pauline - and process.

LHB introduced the idea of the "3rd place".

### Discussion:

- Group liked the idea of the "3<sup>rd</sup> Place"
- Campus "wellness"
  - improving fitness center, other opportunities for students
  - centralizing programs and/or assigning appropriate spaces for appropriate programs
  - ADA accessibility
- Disconnected campus: connecting visitors with services and events
  - Bad access from parking to visitor-amenities
  - campus looks closed and inactive because can't get peek into active center from outside
  - wayfinding is terrible and hard to explain how to get places
  - "patchwork campus"
- Classroom/campus upgrades
  - Build flexibility for future development
  - better technology in classrooms
  - academic communities instead of finding space where it's available
  - arts programs in basement - problem
  - no building is considered under-used
- Student services - are all spread out, could they be consolidated?
  - there's a beginning of semester rush to use them and then it tapers out
  - could they be separated by type and focus energy on two parts of campus that makes sense for how they are used?
  - res halls are in bad shape - lots of critique there
- Outdoor spaces
  - critique of small, unused courtyards. could they be reprogrammed or enclosed?
  - better connection to res life?
  - better wayfinding for visitors
  - better connection across campus
  - where is the "main" entry?
- Next steps
  - get student survey from Chris
  - find out about future adjacent development from city





SMSU Master Planning Stakeholder Meetings – Thea’s Notes  
Workshop 1, Oct 22-23 2015

Thursday, October 22<sup>nd</sup> 8:30 am – 9:00 am

Present:

School of Business & Public Affairs

Nursing

The following constitutes my understanding of what was discussed:

Need for “front door” and “home base” for programs

- Serves as a location for students to come when they need services from their program
- Identifiable place where students in a program (on-campus and remote) can meet & work on-campus
- Place for recruitment, advertising, advising & program-specific student services
- Programs located in multiple areas of campus, making it difficult for staff to communicate with each other and students, resources are dispersed

Online programs have unique technology and facilities needs

- Students need “a place to be” when they come to campus for on-campus visits & day events
- Need flexible classroom space that can be taken over for a day periodically by an online group that gathers for an on-campus event – has resources that a typical classroom might not (sink, fridge, storage for bags, extra outlets, etc.), shouldn’t compete with room needs for classes that meet regularly
- Remote teachers need off-campus resources (offices in other cities/campuses, IT support)
- Programs whose students are remote and started their education somewhere else and transfer to SMSU to complete a degree ( 2+@2, RN to BSN, etc.) have a need to attract students (compete with other online programs) and struggle with helping students identify as an SMSU alumni
- Students that are not familiar with campus have a difficult time navigating. Parking is not conveniently located in proximity to program facilities
- Would like to provide classroom space on campus for 2+ and college now students so that when they are ready to select a 4-year school to finish their degree they are already accustomed to SMSU and are in the routine of coming to campus – recruiting opportunity (welcome students from high schools & community colleges on SMSU campus)

Business would like to have their own identifiable building

Nursing needs facilities support and space to grow – not enough space but too much space

Current classrooms (in general) are not adequately equipped-

- Multiple small rooms have been combined into larger rooms, not always a good layout or aspect ratio
- Smart classrooms are hard to book during peak times
- Furnishings are out of date, desks are too small for students, inadequate ADA equipment, classrooms are not flexible for discussions or changes in activity
- Current classrooms do not support student’s technological needs (shortage of outlets, desks can’t support laptops, no breakout spaces for student collaboration)
- Generally “worn out”
- Theatre/Art classes have no natural daylight

SMSU Master Planning Stakeholder Meetings – Thea’s Notes  
Workshop 1, Oct 22-23 2015

- Campus in general is not ADA accessible, and large number of students with accessibility needs on campus are not adequately served.
- Room capacity was done 50 years ago, and have been stuck to regardless of class-sizes or new furniture
- Lack flexible learning opportunities
- Faculty does not have input on furniture decisions or technology improvements
- Mismatch between spaces, furniture, IT & programs using space
- Lack of dedicated classrooms for departments results in inappropriate context for classes – Business classes meeting to discuss policy and legal docs in a classroom used for K-12 education with colorful student artwork is distracting and “unprofessional”

**Campus-wide Issues**

- University needs a “Front Door” (or multiple front-doors)
- Jogs in halls w/ limited sight-lines are confusing to visitors – people have a hard time finding elevators & restrooms
- No way-finding pointing to program facilities
- Intolerance to departments putting up signage or other “personalized” program elements – concerns that it will “hurt” the architectural integrity of the campus
- Asbestos ducts – concern with safety concerns, past issues with mold, peace of mind concerns
- Heating & cooling system “is shot” – cold wet air in summer (health concern), issues with hot/cold spots year round
- Technology in high schools is better than technology used at SMSU- visiting students perceive that going to university is a “downgrade”
- Classrooms & parking during peak times are hard to find (10:00 – 2:00 Tuesdays & Thursdays)
- Faculty often need meet at identifiable places (Founders Hall) to walk students & visitors across campus because the destinations are difficult to identify and navigate to

SMSU Master Planning Stakeholder Meetings – Thea’s Notes  
Workshop 1, Oct 22-23 2015

Thursday, October 22<sup>nd</sup> 9:15 am – 9:45 am

Present: SMSN Regional Research Center (Jan)

The following constitutes my understanding of what was discussed:

History center & regional archives at SMSU, hold public records for region

Archive is very active – students & community members use it more than many similar archives at other universities – it is a “treasure” with good programs that are in need of support

Antiquated facilities limit effectiveness of archives-

- Current space is in several old classrooms at the far north end of campus that were “renovated” inadequately to hold the archives
- Need for updated storage, (collapsible bays) that increase storage capacity & organization of historic documents
- Inadequate outlets – fire hazard
- Most universities have archive facilities, this one is behind others in terms of technology
- HVAC system (updated in 90’s) does not meet needs of an archive – documents in danger from moisture, and temp variations – staff purchased residential dehumidifiers and track temps/humidity manually year round to ensure safety of documents (even when staff contracts have expired)
- Space not safe for visitors – stacks of papers and boxes are unsafe
- Concerns about archival space prevent the program from growing, and have lost the archive resources when local groups have left for other facilities taking volunteers and funds with them
- Public records serves larger area (regional communities & townships) – they are not serving their clients’ needs for preserving historic documents adequately
- Cluttered & congested spaces
- Would like to be “**proud**” of facilities when visitors come to use the archives – students, touring families, researchers from other institutions
- Concern about light and the documents – north facing classroom windows were not design with preservation in mind
- Need space for tours, would like to fit groups of 30 into archives at one time
- Need improved work areas for safe use of historic docs

Sense that the Research Center is in decline – does SMSU value this facility & want to maintain it (*or should they be “responsible” and let it go for the sake of the docs*)?

- Concern about safety of historic documents due to neglect –
- Research center has been denied grants from MN historical society- feedback indicated that SMSU should be responsible for funding & updating facilities

Like the student center

5<sup>th</sup> Floor library meeting room is a favorite – views of surrounding landscape facing east are remarkable

Enjoys the alumni gallery – assisted with putting it together

Facilities staff are good

Archives are located at far north end of campus, with convenient parking – however parking lot is gravel & visitors need to register at South end of campus – which is difficult for elderly visitors and volunteers

SMSU Master Planning Stakeholder Meetings – Thea’s Notes  
Workshop 1, Oct 22-23 2015

Thursday, October 22<sup>nd</sup> 1:45 pm – 2:15 pm

Present: IT

The following constitutes my understanding of what was discussed:

Need for IT to be brought in earlier in projects

Having a backup ac system and generator on the data center is good

IT has a main location in first floor BA (centrally located), but some offices are spread out – would be helpful to have offices in closer proximity

Issues with building infrastructure complicate IT’s job

Crushed conduit in some bldgs is a problem for upgrades

Have a need to support sporting events with large crowds w/smart phones – data hotspots in remote locations are a challenge

Generally struggle with providing & updating technology (wireless) consistently throughout the campus due to age & type of buildings – concrete and low-e glass are hard for wireless signals

Under-staffed IT department – leanest IT group of all the 4-year programs in MnSCU

Demand for smart rooms – some rooms being outfitted with conferencing tech to support wireless conferencing with remote students (online programs)

Need assistance training faculty – students want smarter rooms, but when faculty cannot use the technology it becomes a distraction

Equipment upgraded every 5-10 years

IT prefers to “react” to student & faculty requests rather than propose new things

Links are good, when programs relocate to out buildings or residence halls networking & equipment support becomes an issue (must consider with outdoor weather)

Would like to see improved digital/interactive signage

Changing clocks is an issue – clocks are old and need to be manually updated, which is labor intensive – when clocks are not matching from room to room and parents tour facilities they see inconsistency and it reflects poorly on SMSU

Growing need for specialized smart classrooms (Exercise Science, Culinology) that support specialized equipment with connection

SMSU Master Planning Stakeholder Meetings – Thea’s Notes  
Workshop 1, Oct 22-23 2015

Thursday, October 22<sup>nd</sup> 2:30 pm – 3:00 pm

Present: Founders Board (Alumni, Staff, Foundation)

The following constitutes my understanding of what was discussed:

**What works:**

- Residential Campus
- Links
- Conference Center – serves larger community and creates an opportunity for community/regional connections
- Library – new space, flexible working options, group spaces, beautiful 5<sup>th</sup> Floor meeting space

**Campus Needs:**

- Flexible, cutting-edge student work/collaboration spaces – would like this to offer the best in innovation and flexibility
- Updated furnishing throughout – in classrooms and student hangout spaces
- Improved fitness facilities & locker rooms – serve general students and athletes (would support health programs)
- Need a “front door” to campus
- Improvements throughout to accessibility – concern about liability and quality of life, used to be a source of pride for the campus
- One-stop shop for student resources is needed – Student services, financial, counseling, - similar to MCTC one-stop

**Opportunities to grow:**

- Would like to increase community/campus connections with a new facility adjacent to campus – restaurant & hotel space could serve students in hospitality programs and connect with visitors and community members, conference/event spaces could support programs but host events that cannot currently happen on campus (eg serve alcohol)
- Pool could be a community asset
- Would like to bring families, aging community members to campus
- Unique opportunity to support rural aging population in region – housing, health care, etc
- Expanded agriculture, agronomy, exercise science, allied health programs & facilities
  - Land for ag research
  - Expanded exercise science facilities
  - Improved fitness / pool facilities

SMSU Master Planning Stakeholder Meetings – Thea’s Notes  
Workshop 1, Oct 22-23 2015

Thursday, October 22<sup>nd</sup> 3:15 pm – 3:45 pm

Present: School of Business & PA – Academic support, Teaching Marketing, Hospitality, PA, business

The following constitutes my understanding of what was discussed:

Hospitality has new facilities, is a new program, and doesn’t yet know what it needs

- Is generally happy with their spaces which are all located in close proximity
- Have good offices in Science & Tech building, but admin assistance is in a different location

Business School:

- Disjointed – 4 “front offices” scattered throughout campus, faculty offices are dispersed
- Use of space isn’t efficient
- No organization to how rooms are assigned – sense that you must “lick the door” to claim a space
- Desirable Offices/ office suites are consumed by retired faculty
- Communications program should “go somewhere else”

Need:

- Identity for school and each program w/in the school
- Improved signage
- Increased & improved student work/breakout spaces with advanced technology
- More smart rooms – there is a “bottle neck” at peak times

Campus Wish-list

- Renovated links – issues with snowdrifts & energy loss
- Updates to heating & cooling system campus-wide – concern about winter “peak” electric demand and space heaters, inconsistent heating & cooling (year round issues), faculty are not allowed to adjust their thermostats
- Commuter lounge
- Camps entry
- Breakout spaces for students
- Meeting room spaces that are accessible to students & staff – not reserved for “events” and left empty – sense that some spaces on campus are “off limits” to faculty and students, and are left empty as a result, while students would benefit from using them

Favorites

- New spaces/buildings
- 5<sup>th</sup> Floor library meeting room – different furniture would allow for larger groups/more flexible use of the room

SMSU Master Planning Stakeholder Meetings – Thea’s Notes  
Workshop 1, Oct 22-23 2015

Thursday, October 22<sup>nd</sup> 4:00 pm – 4:30 pm

Present: School of Business & PA – Academic support, Teaching Marketing, Hospitality, PA, business

The following constitutes my understanding of what was discussed:

#### Science

- ½ of labs were renovated (phase 1), new labs mostly work, but Phase 2 was not completed, and as a result there are some new & old spaces that were half finished and work worse
- Expansion of greenhouse headhouse work room
- New labs are generally good, old labs were made worse in the process
- They have a flex meeting/home/classroom space that works great (other than size)

#### Exercise science needs room to grow

- Lab spaces are located on opposite ends of campus, facilities are adequate but proximity is a problem (esp. for fitness room at north end of campus away from locker rooms)
- Current labs work well to an extent, but need better rooms for specialized equipment for physical therapy program
- Need to improve community connections – labs & equipment could serve community more efficiently
- Opportunities to expand if facilities could accommodate increased numbers
- Would like to engage with community more and serve students/community with PT needs better
- Would like to improve connection to local company that makes all-terrain wheel chairs
- Need for accessible fitness equipment
- Sees value in connecting with nursing program & expanding in a health/wellness direction
- Huge need for healthcare in area

#### Campus improvements

- General sense that all spaces are renovated inadequately – nothing really fits the needs of the programs
- Things are dated because they are used in a way that was not originally intended
- Fix “tunnels” – campus links are a maze
- Improve accessibility throughout campus
- Community access points to facilities that serve them (PT, exercise facilities, pools)
- Make courtyards and outdoor spaces more usable – they are hard to get to
- Would like more student niches & nooks with light (and plants) to get more light deeper into the halls

#### Post-Occupancy

- Labs have good storage & counter top spaces
- More storage than needed, but dept has not fully moved in or adjusted to their half-renovated space
- Remodeled labs are noisy (HVAC)
- Updated furniture is too large for rooms in some instances
- Concern about door size & numbers in some classrooms, safety concern when using chemicals
- Mis-alignment of spaces, things aren’t being used the way they were intended

SMSU Master Planning Stakeholder Meetings – Thea’s Notes  
Workshop 1, Oct 22-23 2015



## Master Plan Summary

What do you think the best part (3 things) about res facilities and programs are

- approachability of faculty members
- armstrong - buildings that are up and down instead of a floor. sociability
- selene - connected complexes
- sybaris - lobby space
- Study rooms (sweetland and living and learning only have them)
- Sweetland 3S - lobby areas, kitchen
- Armstrong - not having to share a bathroom with multiple people

What isn't working what is NOT okay?

- Exec - update appliances and furniture PAINTING
- Camaraderie - Honors areas (dead space) roof access
- Buckingham - furniture is heavy and hard to move and awkward
- Sybaris - better kitchen more cooking supplies
- Camaraderie - gender bathrooms should be on the same floor
- Chez Nous - Shapes of buildings are weird
- Sweetland 3S - Circles of "Gravel" are hard for people in wheelchairs
- Everyone - bathrooms NEED to be renovated
- Everyone - taller shower heads
- Sweetland - doors for handicap stalls
- Camaraderie - water fountains don't work and they sounds really funny and they gurgle and it's awkward

If money were not an issue what is the one thing that we would do to campus

- Exec - Change the dorm layout for accessibility
- Selene - Weight room for people that aren't in sports
- Armstrong - Hand Dryers, high ceilings for lofts, air conditioning
- Oceans - Security Cameras
- Buckingham - dry area for after the shower
- Sweetland 3S - More signage for handicap accessible people
- Exec - signage for the academic buildings
- Exec - More technology in the rooms or dorms
- Camaraderie - underground way to commons areas
- Armstrong - Water fountain water bottle filler things
- Exec - staircases need to be opened up so you can fit futons and stuff up
- Armstrong - lights for centerfield
- Charisma Lincoln Center - lights don't work on the east side sometimes (it's really creepy)
- touchless hand soaps and sinks
- Chez Nous - More recreational areas instead of so much open space
- Armstrong - Swing Benches
- Camaraderie - Centrally placed courtyards
- Armstrong - Charging stations
- Sybaris - kitchen updates



## SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

Thursday, October 22<sup>nd</sup> 1:45 pm – 2:15 pm

City of Marshall

Present:

Bob Burns, Mayor

Ben Martig, City Administrator

Glenn Olson, Public Works

The following constitutes my understanding of what was discussed:

The city and university have a history of working together.

The City owns 60 acres north of campus; the area includes a water retention pond/area

Commercial development is migrating east toward campus aligning toward the south side of campus (HWY 19)

The campus/city is in a flood control area

The city sees the “wild” area on the north side of campus as underutilized

The athletics facilities on the SMSU campus are currently shared with the high school

The city views the student population as a community asset and wants to identify connectivity issues between the campus and the city; specifically, the city wants to identify area or pts for student connection to the city

The city plans to realign a road north of campus. (the alignment can be seen in the hard copies provided by the city)

The north side of campus could become a “natural” community asset to serve both permanent residents and the student population

A corridor study assessing safety issues along HWY 23 and the campus will commence this year (timeframe not specifically identified)

The city plans to develop bike paths north of campus with connection to Camden State Park (the planned trail can be seen on the hoard copies of plans provided by the city)

Marshall transit’s routes to and from campus will need to be analyzed for their efficacy for students; it was noted that students do use public transit in the city

It was noted that Marshall does not currently have a concentrated area of off-campus student housing/residents and that such an area close to campus could be advantages for developing a strong student culture.

A follow-up meeting with the city was suggested.

## SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

Thursday, October 22<sup>nd</sup> 2:30 pm – 3:00 pm

Academic Administration: Extended Learning & Outreach; College Now; Asst. to the Deans; Graduate Coordinator

Present:

Graduate Coordinator

Asst. to the Deans

The following constitutes my understanding of what was discussed:

The dean’s assistant is relatively new to the position but not the university. The office space is generally pretty good. No significant issues were communicated during the meeting.

The graduate coordinator’s office is currently in a high-traffic location that is often distracting.

The current position is supported by someone out of kindness rather than job description. Has requested an assistant for the last 6 years. Administrative resources should be considered if the position moves office locations.

The grad coordinator position suffers from a lack of identity presented by current location within another dept. A location nearer the deans/HR office would improve the sense of identity

The grad coordinator works from home one day per week and accomplishes much more there due to a lower level of distractions.

## SMSU Master Planning Stakeholder Meetings – Stuart's Notes

Thursday, October 22<sup>nd</sup> 3:15 pm – 3:45 pm

School of Agriculture

Present:

Doug Root from AURI (research institute within the university, not faculty)

Professor Stephen Davis

Professor Gerald Toland, Jr.

The following constitutes my understanding of what was discussed:

Doug Root:

Wayfinding at the University is challenging

Hallways seem too wide

No connection to production agriculture

Would prefer interconnected labs/offices

The culinology facilities are newer and viewed positively, but they are rather separate from the school of ag – could be more directly related

Professors:

Interconnectivity on campus is generally good (indoor, spatial)

Wheelchair access viewed as currently positive

Have recently received an increase in SF after moving and appreciate having the space

Offices are currently divided between three locations

Long/thin classrooms are difficult to teach in

No gradient of public to private space – offices open onto large public hallways and are generally too small for meetings. Would prefer offices opened onto a common space separate from hallway

Currently have no sound separation as walls do not reach ceiling. Have asked and been denied

First-year efforts to conduct field tests were successful and will increase three-fold next year: Test Plots of 5 acres (to start) near campus would help.

Tech in teaching classrooms seems ad-hoc as to what is where and when things get upgraded

Feel that every room should have smart tech

Feel that the Education dept. offices have a nice setup

## SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

### Final thoughts and general takeaway:

The ag department wants to be consolidated in the same space to establish its identity and to improve communication within as well as service to students. The department has grown over the last ten years increasing from 30 to 100 students in that time. It currently receives students from many community colleges, such as Ridgewater, who finish their 4-year degrees at SMSU. The department expects to and wants to continue to grow with an ideal of 500 students. If money were no object, they would like their own new building to best brand their identity and attract students.

The department does not currently have an animal science program, nor any test plots. Continued growth of the department will likely include discussions of those elements with test plots being the more immediate.

## SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

Thursday, October 22<sup>nd</sup> Evening

Student Senate

Present:

Student Senators

The following constitutes my understanding of what was discussed:

In response to the campus Goals and Objectives, students responded with the following ideas when asked how the school could meet them.

1. a. Increase and update technology  
b. Bigger windows
  - described the SS as having prison lighting
  - generally a dark feeling around campus
2. a. need a dedicated space for diversity clubs
  - would help aid in awareness of existing club activities/involvement
3. a. Air conditioning
  - b. Mustang zone – improve, make bigger, less clutter
  - c. improve printer access
  - d. Farmer’s market on campus
    - travel time is an issue with going to the farmer’s market currently
  - e. Weight Room – need space that’s open to students throughout the day
    - athletes/teams receive priority over all others currently
4. a. Air conditioning
  - b. New wellness center
  - c. More contemporary aesthetic
  - d. Integrate tuition with tech (one to one approach with cost of laptops built into tuition cost)
5. a. tailgate location- need supportive infrastructure
  - b. Tech is subpar

## SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

Thursday, October 23<sup>rd</sup> 9:15 am – 9:45 am

Residential Life, Campus Dining, Student Center, and Event Services (scheduling)

Present:

Representatives from Campus Dining, Res Life, and Event Services

The following constitutes my understanding of what was discussed:

The conference center represents a tremendous asset to the university and the community of Marshall serving up to 500 guests. Programming is successful and could improve with improved catering support and technology. Technologically, the conference center is not great with issues extending all the way to basic WiFi access.

A wish list item for the conference center/Events would be a protective cover for the football field in order to host larger events

-it was noted that the Expo center would be getting a stage (no further clarification)

--

Residential Life appreciates the newer facilities it has and says that they have been well-received and were well-done.

Generally, they like the variety of housing options they have.

Res Life experiences significant ongoing maintenance issues with the older dorms citing plumbing as a major issue. Replacing all windows is desired with a high rate of return on energy savings. Electricity is also a concern in the dorms. The thermostats are missing covers and the fire systems need attention.

The furniture is quite old and contributes to a very dated appearance.

The HC complex is deteriorating – no students live there currently

Would love an expanded fitness center, air conditioning in the older dorms, keyless entry

The comment was made that “high schools are more up to date” and that the effect that has is big.

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Catering/Dining

Catering and dining services are provided on site

The seating section of the dining area is too small causing students to spread out into other areas out of necessity



## SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

The back-of-house areas are too small to adequately support the catering efforts

Could use additional space and a dedicated 2<sup>nd</sup> space

--

A general desire to replace desks in classrooms was also expressed.

SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

Thursday, October 23<sup>rd</sup> 10:00 am – 10:30 am

I.T.

Present:

CIO

The following constitutes my understanding of what was discussed:

An opinion was expressed that educating the faculty about the cost of upgrading technology is impossible

Currently, there are 4 teams within the umbrella of I.T. While consolidating them to one location was not perceived as necessary, it was noted that putting teams together and providing a common space for each was greatly desired.

From a facilities standpoint, there is an interest in figuring out how to better support increasing I.T. requirements/needs.

## SMSU Master Planning Stakeholder Meetings – Stuart’s Notes

Thursday, October 23<sup>rd</sup> 11:30 am – 12:00 pm

Administrative Services: Human Resources; Business Services, Public Safety; Foundation Staff;  
Communications & Marketing

Present:

Business Services

The following constitutes my understanding of what was discussed:

Opinion that facilities are young and in generally pretty good condition

Current office is near Financial Aid

Building feels modern – Updates have been huge plusses

Feels a bit removed from students and faculty in current location

More daylight would be nice

Would favor an open office concept – feels it would be more efficient for communication

Has worked in a concentric circular space previously and found that to be effective - centrally located reception area

Moving toward paperless and shrinking size of tech will increase space availability

Wonders about the overall business model of MNSCU hypothesizing that financial advantages may be had by reducing redundancies across the system



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 101

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	0	0	1	2	3	N/A
a.4 Teaching Station	0	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 0.67  
 IEQ 3.89  
 SPACE 3.89  
 FINISHES 6  
 LIGHTING 1.19  
 FURNITURE 4.29

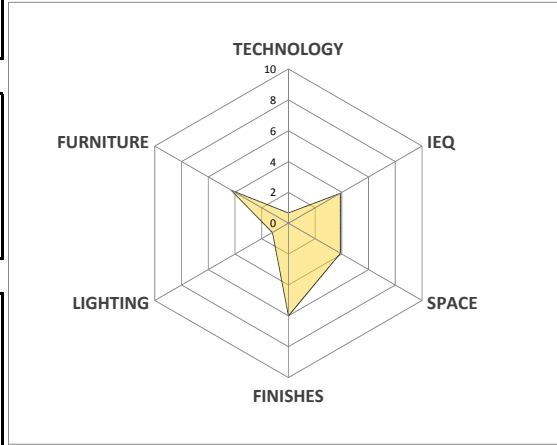
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	2	0	1	2	3	N/A mech
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	
c.2 Visibility from Hallway	2	0	1	2	3	N/A	
c.3 Assignable Square Feet	0	1	2	3	N/A	52x30 est.	
c.4 Aspect Ratio	2	0	1	2	3	N/A	
c.5 Focus Direction	1	0	1	2	3	N/A	
c.6 Sightlines	n/a	0	1	2	3	N/A	
c.7 Door Location	n/a	0	1	2	3	N/A	
c.8 Accessibility	2	0	1	2	3	N/A	
c.9 Storage	1	0	1	2	3	N/A	
c.10 Clock	1	0	1	2	3	N/A	small
c.11 Building Condition	2	0	1	2	3	N/A	
c.12 Ambiance	2	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	1	0	1	2	3	N/A
d.5 Personalization	3	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	1	0	1	2	3	N/A	
e.2 Daylight Control	n/a	0	1	2	3	N/A	no windows?
e.3 Glare Control	n/a	0	1	2	3	N/A	
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A	
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A	
e.6 Footcandles Artificial	n/a	0	1	2	3	N/A	20
e.7 Ambiance	2	0	1	2	3	N/A	

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	0	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	2	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	2	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 102

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 3.5  
 IEQ 3.33  
 SPACE 3.89  
 FINISHES 5.33  
 LIGHTING 1.43  
 FURNITURE 2.38

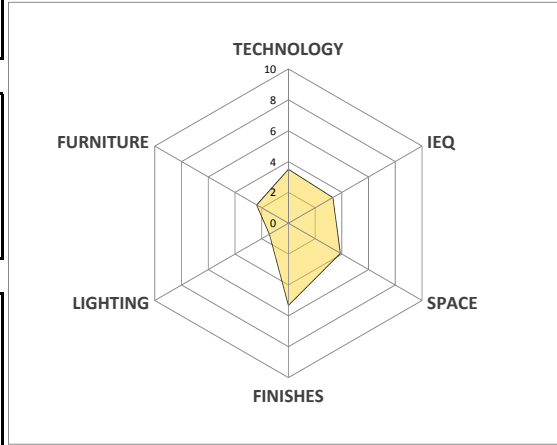
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	
c.4 Aspect Ratio	1	0	1	2	3	N/A
c.5 Focus Direction	3	0	1	2	3	N/A
c.6 Sightlines	3	0	1	2	3	N/A
c.7 Door Location	0	0	1	2	3	N/A
c.8 Accessibility	0	0	1	2	3	N/A
c.9 Storage	2	0	1	2	3	N/A
c.10 Clock	1	0	1	2	3	N/A
c.11 Building Condition	0	1	2	3	N/A	
c.12 Ambiance	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	1	0	1	2	3	N/A
d.5 Personalization	2	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	1	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	n/a	0	1	2	3	N/A
f.9 Desks	n/a	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 135

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	1	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	0	0	1	2	3	N/A
a.4 Teaching Station	n/a	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 0.83  
 IEQ 4.17  
 SPACE 5.28  
 FINISHES 5.33  
 LIGHTING 0.95  
 FURNITURE 3.33

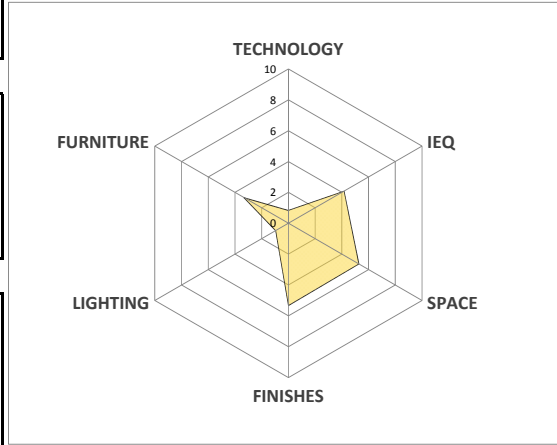
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	2	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	29x38
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	n/a	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	1	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	2	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	1	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	1	0	1	2	3	N/A
d.5 Personalization	3	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	1	0	1	2	3	N/A	
e.2 Daylight Control	n/a	0	1	2	3	N/A	
e.3 Glare Control	n/a	0	1	2	3	N/A	
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A	no window
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A	
e.6 Footcandles Artificial	n/a	0	1	2	3	N/A	61
e.7 Ambiance	1	0	1	2	3	N/A	

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	n/a	0	1	2	3	N/A	
f.2 Tables	1	0	1	2	3	N/A	
f.3 Whiteboards	0	0	1	2	3	N/A	
f.4 Chalkboards	2	0	1	2	3	N/A	
f.5 Display Boards	0	1	2	3	N/A		
f.6 Waste Receptacles	1	0	1	2	3	N/A	no rec.
f.7 Signage	1	0	1	2	3	N/A	
f.8 Chairs	2	0	1	2	3	N/A	
f.9 Desks	n/a	0	1	2	3	N/A	



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 231

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	1	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	2	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	32x30
c.4 Aspect Ratio	3	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	0	0	1	2	3	N/A

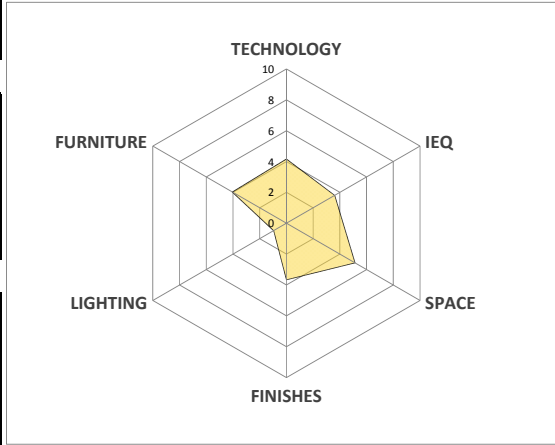
D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	n/a	0	1	2	3	N/A
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	1	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	2	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A

normalized score

- TECHNOLOGY 4.17
- IEQ 3.61
- SPACE 5.14
- FINISHES 3.67
- LIGHTING 0.95
- FURNITURE 4.05





ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 232

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	1	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	1	0	1	2	3	N/A overhead
a.4 Teaching Station	1	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 1.33  
 IEQ 2.78  
 SPACE 5.14  
 FINISHES 3.67  
 LIGHTING 0.95  
 FURNITURE 3.81

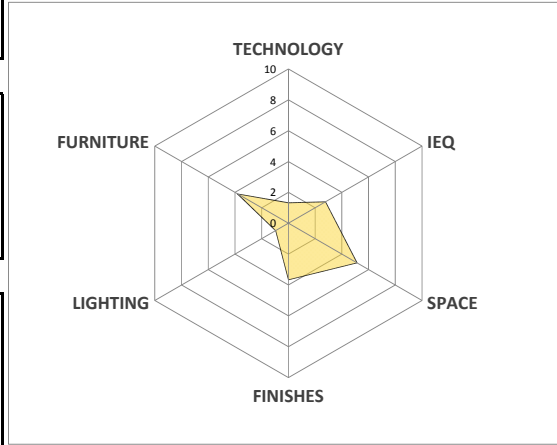
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A mech
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	28x26
c.4 Aspect Ratio	3	0	1	2	3	N/A
c.5 Focus Direction	1	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	1	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	0	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	1	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	1	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	0	0	1	2	3	N/A
e.3 Glare Control	0	0	1	2	3	N/A no window
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	50
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	1	0	1	2	3	N/A
f.2 Tables	2	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A no rec.
f.7 Signage	n/a	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 233

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	1	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	1	0	1	2	3	N/A overhead
a.4 Teaching Station	1	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 1.33  
 IEQ 2.78  
 SPACE 4.86  
 FINISHES 2.33  
 LIGHTING 0.95  
 FURNITURE 2.86

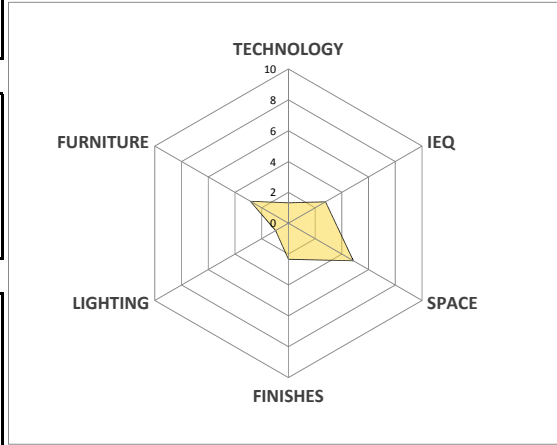
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A mech
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	28x26
c.4 Aspect Ratio	3	0	1	2	3	N/A
c.5 Focus Direction	1	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	0	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	1	0	1	2	3	N/A PNT/CMV
d.3 Ceiling	1	0	1	2	3	N/A ACT
d.4 Casework	0	0	1	2	3	N/A None
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A No window
e.5 Footcandles Daylight	0	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	50
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A no rec
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 234

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	1	0	1	2	3	N/A x2
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	1	0	1	2	3	N/A overhead
a.4 Teaching Station	1	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 1.67  
 IEQ 2.22  
 SPACE 5  
 FINISHES 2.33  
 LIGHTING 0.48  
 FURNITURE 3.81

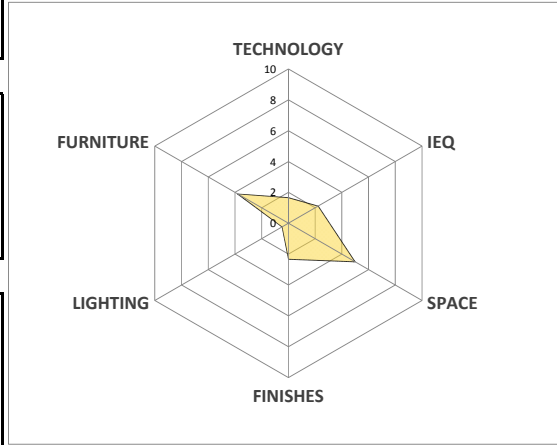
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A mech
b.6 Smell	1	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	34x28
c.4 Aspect Ratio	3	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	0	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A stained/yellow ACT
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A no window
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	0	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	50
e.7 Ambiance	0	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A x2 small
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A no rec
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 235

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A 1 count
a.10 Wifi	n/a	0	1	2	3	N/A

B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A mech
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	28x31
c.4 Aspect Ratio	3	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	0	0	1	2	3	N/A

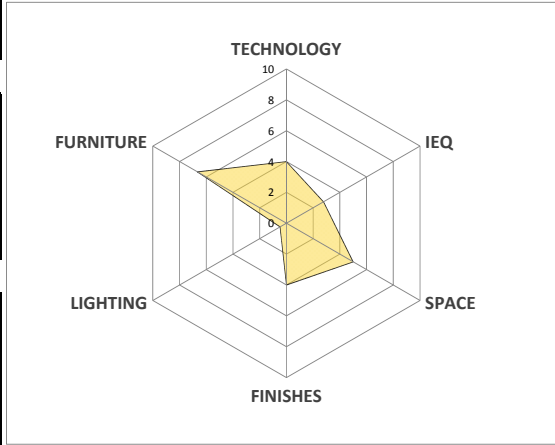
D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A teach desk
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A no window
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	60
e.7 Ambiance	0	1	2	3	N/A	

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	2	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	3	0	1	2	3	N/A
f.5 Display Boards	3	0	1	2	3	N/A
f.6 Waste Receptacles	2	0	1	2	3	N/A no rec
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	2	0	1	2	3	N/A
f.9 Desks	2	0	1	2	3	N/A

normalized score

- TECHNOLOGY 4
- IEQ 2.78
- SPACE 5
- FINISHES 4
- LIGHTING 0.48
- FURNITURE 6.67



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 236

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score  
**TECHNOLOGY** 3.67  
**IEQ** 3.06  
**SPACE** 4.72  
**FINISHES** 4  
**LIGHTING** 1.19  
**FURNITURE** 3.81

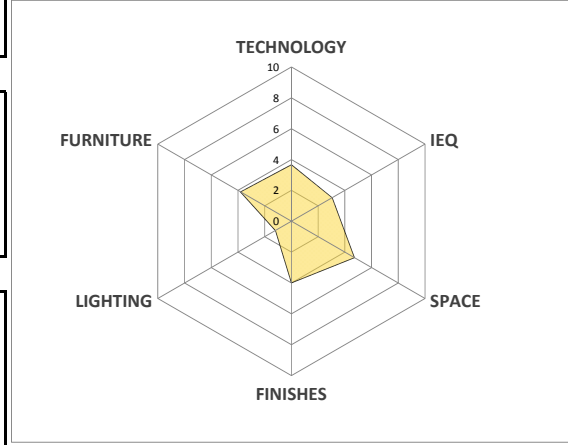
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	25x20
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	1	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	0	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	44.7
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 238

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 4.33  
 IEQ 3.33  
 SPACE 5  
 FINISHES 5  
 LIGHTING 0.95  
 FURNITURE 3.81

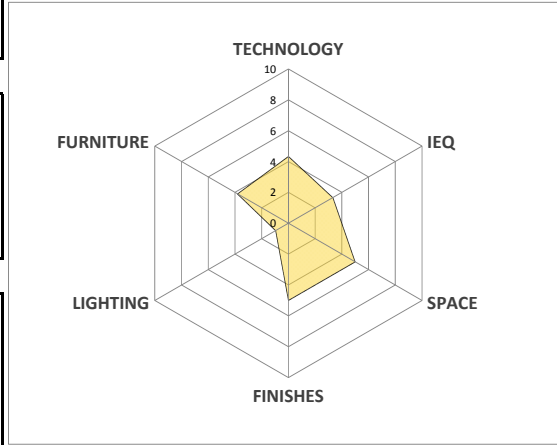
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	26x20
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	1	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	1	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	42.3
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Bellows Academic Center (BA)  
 Room Number 240

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	1	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 4.33  
 IEQ 2.78  
 SPACE 4.86  
 FINISHES 3.33  
 LIGHTING 0.95  
 FURNITURE 1.9

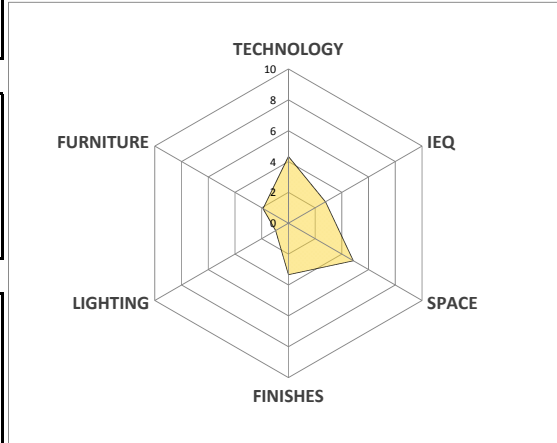
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	20 x 26
c.4 Aspect Ratio	3	0	1	2	3	N/A
c.5 Focus Direction	3	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	0	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	0	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	1	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	0	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	0	1	2	3	N/A
e.5 Footcandles Daylight	0	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	28
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	0	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	1	0	1	2	3	N/A
f.5 Display Boards	n/a	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	n/a	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 102 computer lab

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 4  
 IEQ 3.61  
 SPACE 5  
 FINISHES 5.67  
 LIGHTING 0.95  
 FURNITURE 5.71

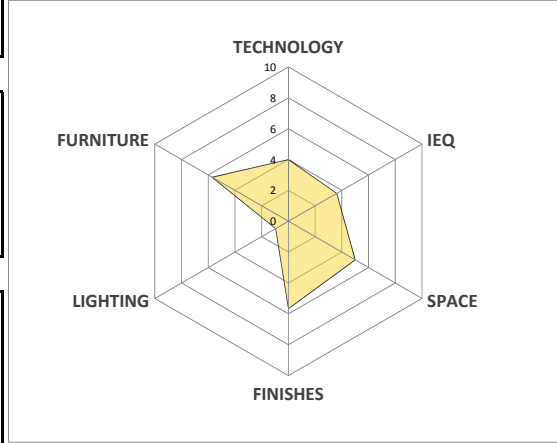
B. IEQ	RATING					COMMENTS	
b.1 Acoustic Control	2	0	1	2	3	N/A	
b.2 Thermal Comfort	2	0	1	2	3	N/A	
b.3 Air Quality	0	1	2	3	N/A		
b.4 Ventilation	0	1	2	3	N/A		
b.5 Ambient Noise	1	0	1	2	3	N/A	mech
b.6 Smell	2	0	1	2	3	N/A	

C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	
c.2 Visibility from Hallway	2	0	1	2	3	N/A	
c.3 Assignable Square Feet	0	1	2	3	N/A	33x30	
c.4 Aspect Ratio	3	0	1	2	3	N/A	
c.5 Focus Direction	2	0	1	2	3	N/A	
c.6 Sightlines	1	0	1	2	3	N/A	
c.7 Door Location	1	0	1	2	3	N/A	front
c.8 Accessibility	2	0	1	2	3	N/A	
c.9 Storage	2	0	1	2	3	N/A	
c.10 Clock	0	0	1	2	3	N/A	
c.11 Building Condition	2	0	1	2	3	N/A	
c.12 Ambiance	1	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	1	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	1	0	1	2	3	N/A	
e.2 Daylight Control	n/a	0	1	2	3	N/A	
e.3 Glare Control	n/a	0	1	2	3	N/A	no window
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A	
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A	
e.6 Footcandles Artificial	n/a	0	1	2	3	N/A	47.7
e.7 Ambiance	1	0	1	2	3	N/A	

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	0	0	1	2	3	N/A	
f.2 Tables	0	0	1	2	3	N/A	
f.3 Whiteboards	2	0	1	2	3	N/A	
f.4 Chalkboards	2	0	1	2	3	N/A	
f.5 Display Boards	2	0	1	2	3	N/A	
f.6 Waste Receptacles	1	0	1	2	3	N/A	no rec.
f.7 Signage	1	0	1	2	3	N/A	
f.8 Chairs	2	0	1	2	3	N/A	
f.9 Desks	2	0	1	2	3	N/A	





ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 124

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	0	0	1	2	3	N/A
a.4 Teaching Station	0	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	3	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	40x24
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	1	0	1	2	3	N/A
c.6 Sightlines	1	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	2	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

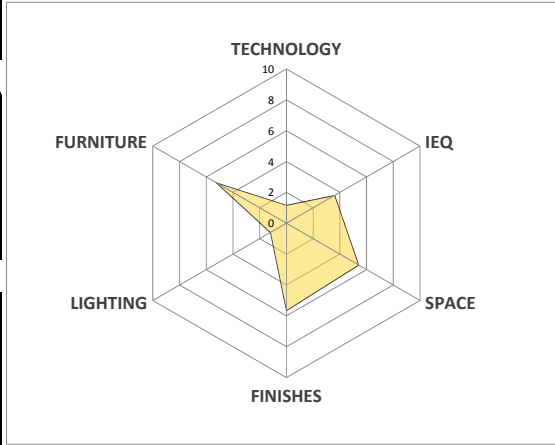
D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	1	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	67.9
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	1	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	2	0	1	2	3	N/A
f.4 Chalkboards	0	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	2	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A

normalized score

- TECHNOLOGY 1.17
- IEQ 3.61
- SPACE 5.42
- FINISHES 5.67
- LIGHTING 1.19
- FURNITURE 5.24



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 126 Computer Lab

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	1	0	1	2	3	N/A wrong location for project
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 4.33  
 IEQ 3.61  
 SPACE 4.58  
 FINISHES 3.67  
 LIGHTING 0.95  
 FURNITURE 3.81

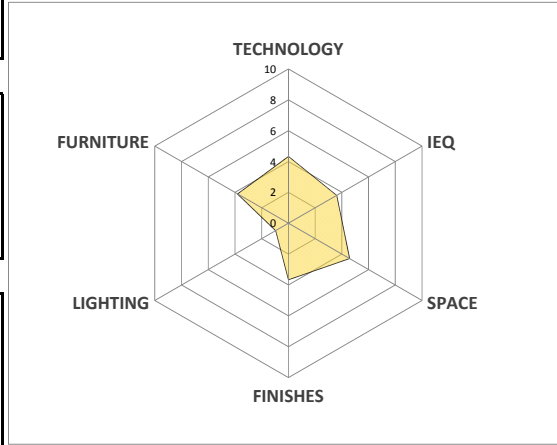
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A fan noise
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	3	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	36x28
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	1	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	0	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A ACT bowling
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	37.2
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	0	0	1	2	3	N/A
f.3 Whiteboards	2	0	1	2	3	N/A
f.4 Chalkboards	0	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	2	0	1	2	3	N/A
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	2	0	1	2	3	N/A
f.9 Desks	2	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 201

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 3.67  
 IEQ 3.33  
 SPACE 5.42  
 FINISHES 5.67  
 LIGHTING 0.48  
 FURNITURE 3.33

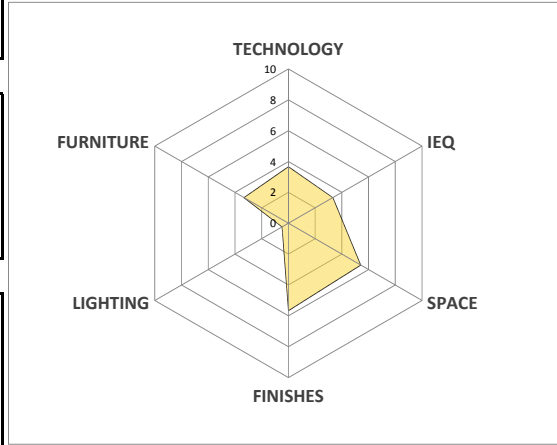
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	n/a	0	1	2	3	N/A
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	3	0	1	2	3	N/A
c.6 Sightlines	3	0	1	2	3	N/A
c.7 Door Location	1	0	1	2	3	N/A
c.8 Accessibility	1	0	1	2	3	N/A
c.9 Storage	2	0	1	2	3	N/A
c.10 Clock	0	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	2	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	2	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	0	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	0	1	2	3	N/A
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	2	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 204

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 3.83  
 IEQ 3.61  
 SPACE 4.72  
 FINISHES 4.67  
 LIGHTING 3.1  
 FURNITURE 2.86

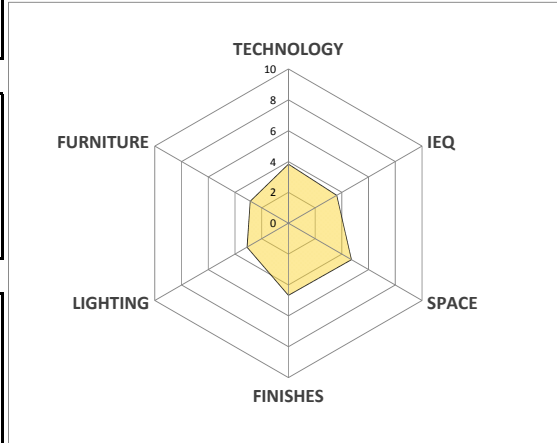
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	3	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	42x24
c.4 Aspect Ratio	1	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	1	0	1	2	3	N/A
c.7 Door Location	1	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	2	0	1	2	3	N/A
e.3 Glare Control	2	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	1	2	3	N/A	18% BXT/30% INT
e.5 Footcandles Daylight	0	1	2	3	N/A	6.4
e.6 Footcandles Artificial	0	1	2	3	N/A	60
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	1	2	3	N/A	1@ back too
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 206 (split with divider)

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 3.83  
 IEQ 3.89  
 SPACE 5.14  
 FINISHES 5.33  
 LIGHTING 2.86  
 FURNITURE 4.29

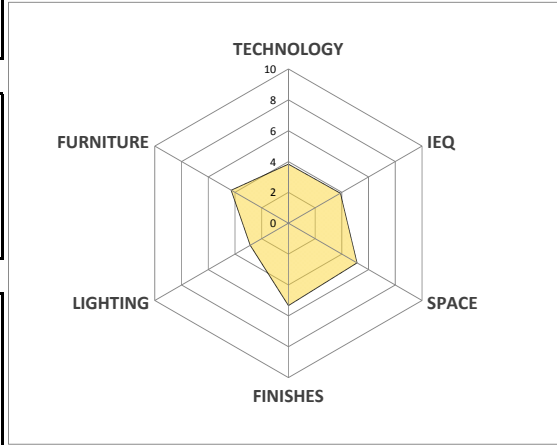
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	
c.2 Visibility from Hallway	3	0	1	2	3	N/A	
c.3 Assignable Square Feet	0	1	2	3	N/A	28x24	
c.4 Aspect Ratio	2	0	1	2	3	N/A	
c.5 Focus Direction	2	0	1	2	3	N/A	
c.6 Sightlines	2	0	1	2	3	N/A	
c.7 Door Location	1	0	1	2	3	N/A	front
c.8 Accessibility	2	0	1	2	3	N/A	
c.9 Storage	0	0	1	2	3	N/A	
c.10 Clock	2	0	1	2	3	N/A	
c.11 Building Condition	2	0	1	2	3	N/A	
c.12 Ambiance	1	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	2	0	1	2	3	N/A
e.3 Glare Control	2	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	1	2	3	N/A	18% Fx/ 95%INT
e.5 Footcandles Daylight	0	1	2	3	N/A	6.5
e.6 Footcandles Artificial	0	1	2	3	N/A	59.7
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	0	0	1	2	3	N/A	
f.2 Tables	0	0	1	2	3	N/A	
f.3 Whiteboards	1	0	1	2	3	N/A	
f.4 Chalkboards	1	0	1	2	3	N/A	behind smart board
f.5 Display Boards	2	0	1	2	3	N/A	@ back
f.6 Waste Receptacles	1	0	1	2	3	N/A	
f.7 Signage	0	0	1	2	3	N/A	no rec.
f.8 Chairs	2	0	1	2	3	N/A	
f.9 Desks	2	0	1	2	3	N/A	



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 208

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 4  
 IEQ 4.17  
 SPACE 4.17  
 FINISHES 4.33  
 LIGHTING 2.86  
 FURNITURE 4.29

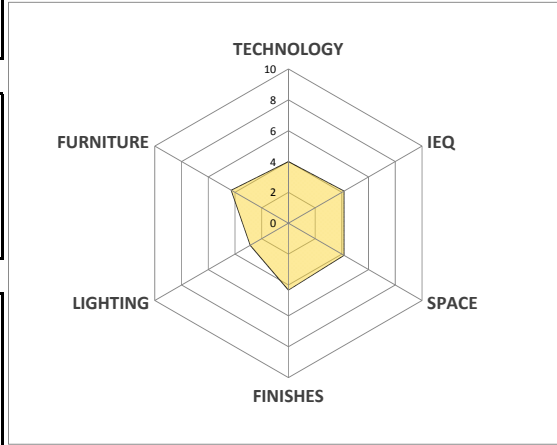
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	2	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	3	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	0	0	1	2	3	N/A
c.11 Building Condition	0	1	2	3	N/A	
c.12 Ambiance	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	2	0	1	2	3	N/A
e.3 Glare Control	2	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	1	2	3	N/A	18% EXT/ 45% INT
e.5 Footcandles Daylight	0	1	2	3	N/A	2.6
e.6 Footcandles Artificial	0	1	2	3	N/A	60+
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	0	0	1	2	3	N/A	
f.2 Tables	1	0	1	2	3	N/A	
f.3 Whiteboards	1	0	1	2	3	N/A	blocked by smartboard
f.4 Chalkboards	2	0	1	2	3	N/A	@back
f.5 Display Boards	2	0	1	2	3	N/A	
f.6 Waste Receptacles	1	0	1	2	3	N/A	no rec.
f.7 Signage	0	0	1	2	3	N/A	
f.8 Chairs	1	0	1	2	3	N/A	
f.9 Desks	1	0	1	2	3	N/A	



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 217

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A x 3
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A 1 count
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 3.67  
 IEQ 3.89  
 SPACE 5.42  
 FINISHES 5.33  
 LIGHTING 1.43  
 FURNITURE 3.81

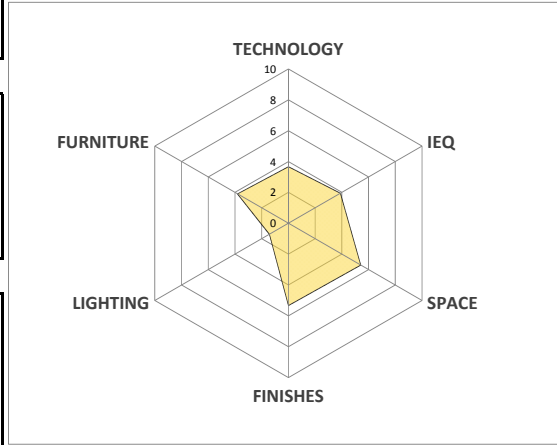
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A hum
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	n/a	0	1	2	3	N/A
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	3	0	1	2	3	N/A
c.6 Sightlines	3	0	1	2	3	N/A
c.7 Door Location	0	0	1	2	3	N/A front each side
c.8 Accessibility	1	0	1	2	3	N/A stadium style
c.9 Storage	2	0	1	2	3	N/A uncertain closet
c.10 Clock	1	0	1	2	3	N/A too small for room
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	2	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	1	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A no window
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	0	1	2	3	N/A "
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	2	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A no rec.
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	2	0	1	2	3	N/A fixed
f.9 Desks	1	0	1	2	3	N/A articulating arms



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 219

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 3.67  
 IEQ 3.89  
 SPACE 4.72  
 FINISHES 3.33  
 LIGHTING 3.1  
 FURNITURE 4.76

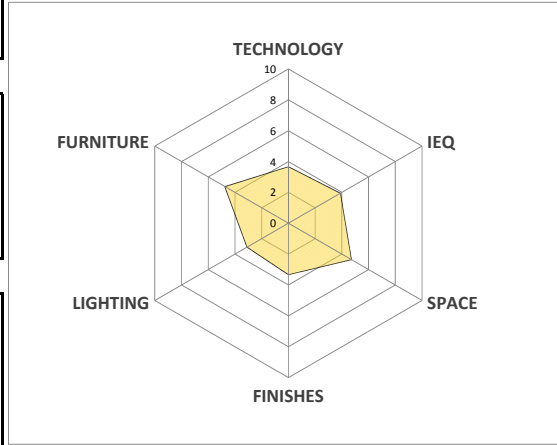
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	2	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	
c.2 Visibility from Hallway	3	0	1	2	3	N/A	
c.3 Assignable Square Feet	0	1	2	3	N/A	42x24	
c.4 Aspect Ratio	1	0	1	2	3	N/A	
c.5 Focus Direction	2	0	1	2	3	N/A	
c.6 Sightlines	1	0	1	2	3	N/A	
c.7 Door Location	1	0	1	2	3	N/A	middle, side
c.8 Accessibility	2	0	1	2	3	N/A	
c.9 Storage	0	0	1	2	3	N/A	
c.10 Clock	2	0	1	2	3	N/A	
c.11 Building Condition	2	0	1	2	3	N/A	
c.12 Ambiance	1	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	2	0	1	2	3	N/A
e.3 Glare Control	2	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	1	2	3	N/A	30% int/ 18% ext wall
e.5 Footcandles Daylight	0	1	2	3	N/A	101
e.6 Footcandles Artificial	0	1	2	3	N/A	63
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	0	0	1	2	3	N/A	
f.2 Tables	1	0	1	2	3	N/A	
f.3 Whiteboards	0	0	1	2	3	N/A	
f.4 Chalkboards	2	0	1	2	3	N/A	
f.5 Display Boards	2	0	1	2	3	N/A	
f.6 Waste Receptacles	1	0	1	2	3	N/A	no rec.
f.7 Signage	0	0	1	2	3	N/A	
f.8 Chairs	2	0	1	2	3	N/A	
f.9 Desks	2	0	1	2	3	N/A	





ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Charter Hall (CH)  
 Room Number 222

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	1	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 4  
 IEQ 4.44  
 SPACE 5  
 FINISHES 4.67  
 LIGHTING 3.33  
 FURNITURE 3.33

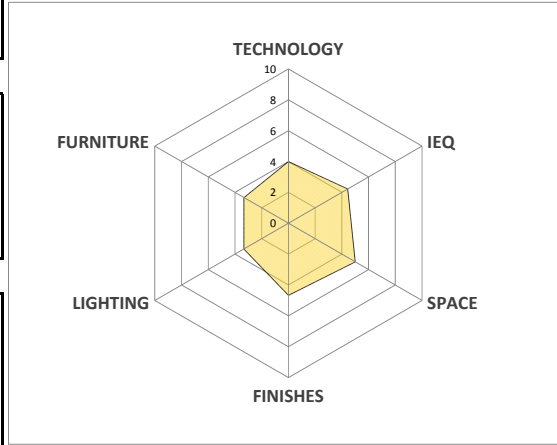
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	2	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	
c.2 Visibility from Hallway	3	0	1	2	3	N/A	
c.3 Assignable Square Feet	0	1	2	3	N/A	28x24	
c.4 Aspect Ratio	2	0	1	2	3	N/A	
c.5 Focus Direction	2	0	1	2	3	N/A	
c.6 Sightlines	2	0	1	2	3	N/A	
c.7 Door Location	0	0	1	2	3	N/A	front
c.8 Accessibility	2	0	1	2	3	N/A	
c.9 Storage	0	0	1	2	3	N/A	
c.10 Clock	2	0	1	2	3	N/A	
c.11 Building Condition	2	0	1	2	3	N/A	
c.12 Ambiance	1	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS	
d.1 Flooring	2	0	1	2	3	N/A	
d.2 Walls	2	0	1	2	3	N/A	partition (measurable) 1 rating
d.3 Ceiling	1	0	1	2	3	N/A	stained
d.4 Casework	2	0	1	2	3	N/A	
d.5 Personalization	0	0	1	2	3	N/A	

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	2	0	1	2	3	N/A
e.3 Glare Control	2	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	1	2	3	N/A	18% ext / 95% int
e.5 Footcandles Daylight	0	1	2	3	N/A	1.1
e.6 Footcandles Artificial	0	1	2	3	N/A	74
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	0	0	1	2	3	N/A	
f.2 Tables	1	0	1	2	3	N/A	
f.3 Whiteboards	1	0	1	2	3	N/A	behind smartboard
f.4 Chalkboards	1	0	1	2	3	N/A	at back
f.5 Display Boards	1	0	1	2	3	N/A	
f.6 Waste Receptacles	1	0	1	2	3	N/A	no rec.
f.7 Signage	n/a	0	1	2	3	N/A	
f.8 Chairs	1	0	1	2	3	N/A	
f.9 Desks	1	0	1	2	3	N/A	



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Fine Arts (FA)  
 Room Number 131

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	1	0	1	2	3	N/A
a.4 Teaching Station	1	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 1.67  
 IEQ 1.94  
 SPACE 4.44  
 FINISHES 4  
 LIGHTING 0.95  
 FURNITURE 3.81

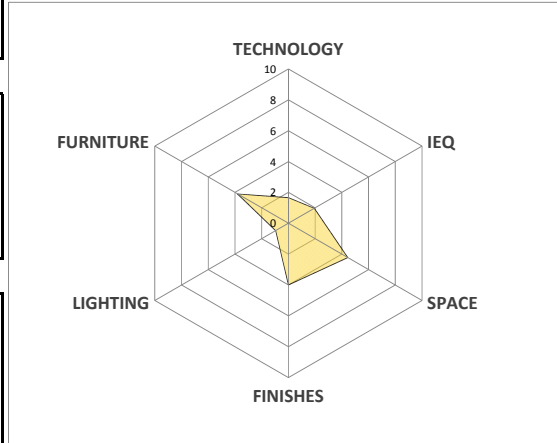
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	1	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	1	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	
c.2 Visibility from Hallway	2	0	1	2	3	N/A	
c.3 Assignable Square Feet	0	1	2	3	N/A		
c.4 Aspect Ratio	2	0	1	2	3	N/A	
c.5 Focus Direction	1	0	1	2	3	N/A	
c.6 Sightlines	2	0	1	2	3	N/A	
c.7 Door Location	1	0	1	2	3	N/A	
c.8 Accessibility	2	0	1	2	3	N/A	
c.9 Storage	1	0	1	2	3	N/A	
c.10 Clock	1	0	1	2	3	N/A	not functioning
c.11 Building Condition	2	0	1	2	3	N/A	
c.12 Ambiance	0	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	1	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	1	0	1	2	3	N/A	
e.2 Daylight Control	n/a	0	1	2	3	N/A	
e.3 Glare Control	n/a	0	1	2	3	N/A	
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A	no windows
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A	
e.6 Footcandles Artificial	0	1	2	3	N/A	56	
e.7 Ambiance	1	0	1	2	3	N/A	

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	0	0	1	2	3	N/A	
f.2 Tables	1	0	1	2	3	N/A	
f.3 Whiteboards	0	0	1	2	3	N/A	
f.4 Chalkboards	2	0	1	2	3	N/A	
f.5 Display Boards	2	0	1	2	3	N/A	
f.6 Waste Receptacles	1	0	1	2	3	N/A	no rec.
f.7 Signage	0	0	1	2	3	N/A	
f.8 Chairs	1	0	1	2	3	N/A	
f.9 Desks	1	0	1	2	3	N/A	



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Fine Arts (FA)  
 Room Number 132

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	0	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 2.33  
 IEQ 1.11  
 SPACE 4.44  
 FINISHES 4  
 LIGHTING 0.95  
 FURNITURE 3.33

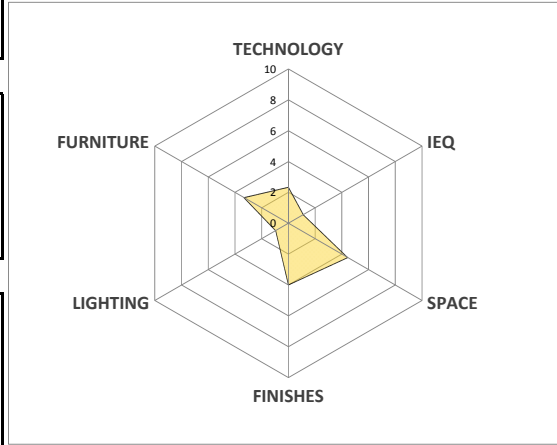
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	0	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A
b.6 Smell	1	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	
c.2 Visibility from Hallway	2	0	1	2	3	N/A	
c.3 Assignable Square Feet	0	1	2	3	N/A	44x30	
c.4 Aspect Ratio	2	0	1	2	3	N/A	
c.5 Focus Direction	2	0	1	2	3	N/A	
c.6 Sightlines	2	0	1	2	3	N/A	
c.7 Door Location	1	0	1	2	3	N/A	front
c.8 Accessibility	1	0	1	2	3	N/A	tired
c.9 Storage	1	0	1	2	3	N/A	
c.10 Clock	1	0	1	2	3	N/A	not functioning
c.11 Building Condition	1	0	1	2	3	N/A	
c.12 Ambiance	1	0	1	2	3	N/A	

D. FINISHES	RATING					COMMENTS	
d.1 Flooring	1	0	1	2	3	N/A	loose tiles
d.2 Walls	1	0	1	2	3	N/A	
d.3 Ceiling	2	0	1	2	3	N/A	
d.4 Casework	1	0	1	2	3	N/A	
d.5 Personalization	2	0	1	2	3	N/A	

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	1	0	1	2	3	N/A	
e.2 Daylight Control	n/a	0	1	2	3	N/A	
e.3 Glare Control	n/a	0	1	2	3	N/A	
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A	no windows
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A	
e.6 Footcandles Artificial	0	1	2	3	N/A	78	
e.7 Ambiance	1	0	1	2	3	N/A	

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	0	0	1	2	3	N/A	
f.2 Tables	0	0	1	2	3	N/A	
f.3 Whiteboards	2	0	1	2	3	N/A	5 days old (new)
f.4 Chalkboards	0	0	1	2	3	N/A	
f.5 Display Boards	2	0	1	2	3	N/A	
f.6 Waste Receptacles	1	0	1	2	3	N/A	No rec.
f.7 Signage	1	0	1	2	3	N/A	
f.8 Chairs	1	0	1	2	3	N/A	
f.9 Desks	0	0	1	2	3	N/A	



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Fine Arts (FA)  
 Room Number 223

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	0	0	1	2	3	N/A
a.4 Teaching Station	0	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 0.33  
 IEQ 1.67  
 SPACE 5  
 FINISHES 5.67  
 LIGHTING 0.48  
 FURNITURE 3.33

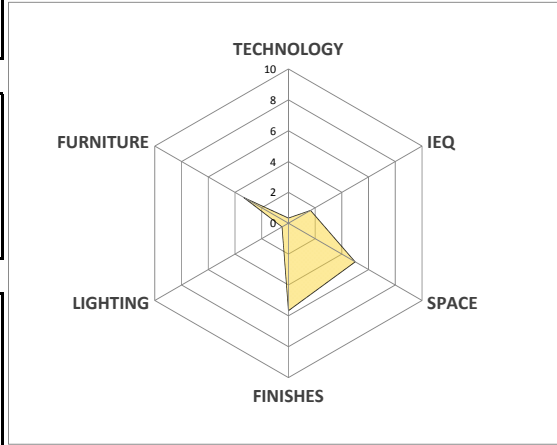
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	0	0	1	2	3	N/A Band noise through walls/floor
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A
b.6 Smell	1	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	44x28
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	1	0	1	2	3	N/A
c.10 Clock	1	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A not functioning
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	1	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	1	0	1	2	3	N/A
d.5 Personalization	3	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A no windows
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	51.5
e.7 Ambiance	0	1	2	3	N/A	

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	1	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A no rec
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	0	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Fine Arts (FA)  
 Room Number 226

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	0	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	0	0	1	2	3	N/A
a.4 Teaching Station	n/a	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	0	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 0.67  
 IEQ 2.78  
 SPACE 4.72  
 FINISHES 4.67  
 LIGHTING 0.95  
 FURNITURE 4.05

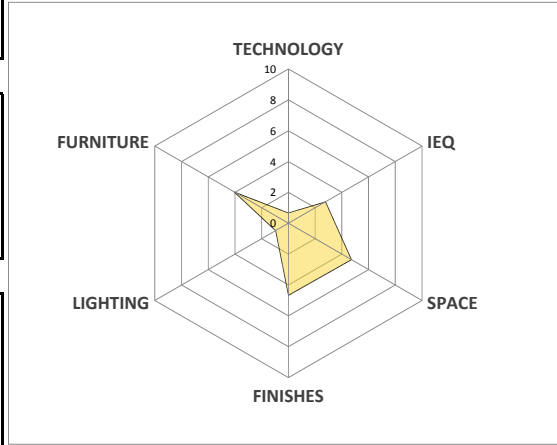
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	30+ x 24
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	n/a	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	1	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	1	0	1	2	3	N/A
d.5 Personalization	2	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	44.8
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	2	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	n/a	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Individual Learning Center (IL)  
 Room Number 208

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	2	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	2	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	3	0	1	2	3	N/A

normalized score  
**TECHNOLOGY** 6.67  
**IEQ** 5.56  
**SPACE** 4.86  
**FINISHES** 5.33  
**LIGHTING** 2.62  
**FURNITURE** 5.71

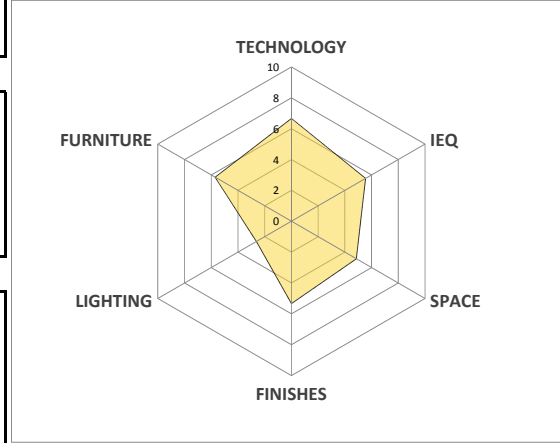
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	2	0	1	2	3	N/A
b.4 Ventilation	2	0	1	2	3	N/A
b.5 Ambient Noise	2	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	too big?
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	3	0	1	2	3	N/A
c.8 Accessibility	3	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	1	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	2	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	3	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	3	0	1	2	3	N/A	adjustable levels
e.2 Daylight Control	0	0	1	2	3	N/A	
e.3 Glare Control	0	0	1	2	3	N/A	
e.4 Window/Wall Ratio	0	0	1	2	3	N/A	
e.5 Footcandles Daylight	0	0	1	2	3	N/A	
e.6 Footcandles Artificial	2	0	1	2	3	N/A	
e.7 Ambiance	1	0	1	2	3	N/A	

F. FURNITURE	RATING					COMMENTS
f.1 Podium	2	0	1	2	3	N/A
f.2 Tables	2	0	1	2	3	N/A
f.3 Whiteboards	2	0	1	2	3	N/A
f.4 Chalkboards	0	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	2	0	1	2	3	N/A
f.9 Desks	0	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Individual Learning Center (IL)  
 Room Number 210

5

A. TECHNOLOGY	RATING				COMMENTS
a.1 Projector Screen	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	1	2	3	N/A
a.3 Projector (Document)	0	1	2	3	N/A
a.4 Teaching Station	0	1	2	3	N/A
a.5 Smart Cart	0	1	2	3	N/A
a.6 Smart Board	0	1	2	3	N/A
a.7 Power Access	0	1	2	3	N/A
a.8 Laptop Availability	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	1	2	3	N/A
a.10 Wifi	0	1	2	3	N/A

B. IEQ	RATING				COMMENTS		
b.1 Acoustic Control	2	0	1	2	3	N/A	
b.2 Thermal Comfort	2	0	1	2	3	N/A	
b.3 Air Quality	2	0	1	2	3	N/A	
b.4 Ventilation	2	0	1	2	3	N/A	
b.5 Ambient Noise	1	0	1	2	3	N/A	mechanicals 2 clocks
b.6 Smell	2	0	1	2	3	N/A	stuffy

C. SPACE	RATING				COMMENTS		
c.1 Classroom Location	2	0	1	2	3	N/A	
c.2 Visibility from Hallway	2	0	1	2	3	N/A	
c.3 Assignable Square Feet	2	0	1	2	3	N/A	
c.4 Aspect Ratio	2	0	1	2	3	N/A	
c.5 Focus Direction	2	0	1	2	3	N/A	desperate on use- good space for discussion n
c.6 Sightlines	1	0	1	2	3	N/A	
c.7 Door Location	2	0	1	2	3	N/A	
c.8 Accessibility	2	0	1	2	3	N/A	
c.9 Storage	0	0	1	2	3	N/A	door off site
c.10 Clock	1	0	1	2	3	N/A	
c.11 Building Condition	2	0	1	2	3	N/A	
c.12 Ambiance	2	0	1	2	3	N/A	

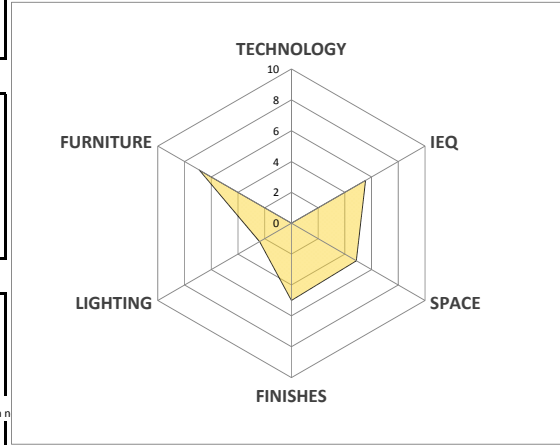
D. FINISHES	RATING				COMMENTS		
d.1 Flooring	2	0	1	2	3	N/A	
d.2 Walls	2	0	1	2	3	N/A	
d.3 Ceiling	1	0	1	2	3	N/A	old, water damagecrust @ joints
d.4 Casework	0	0	1	2	3	N/A	
d.5 Personalization	3	0	1	2	3	N/A	

E. LIGHTING	RATING				COMMENTS		
e.1 Artificial Control	2	0	1	2	3	N/A	light control @ podium not by door?
e.2 Daylight Control	0	0	1	2	3	N/A	
e.3 Glare Control	0	0	1	2	3	N/A	
e.4 Window/Wall Ratio	0	0	1	2	3	N/A	
e.5 Footcandles Daylight	0	0	1	2	3	N/A	
e.6 Footcandles Artificial	2	0	1	2	3	N/A	
e.7 Ambiance	2	0	1	2	3	N/A	

F. FURNITURE	RATING				COMMENTS		
f.1 Podium	2	0	1	2	3	N/A	
f.2 Tables	3	0	1	2	3	N/A	
f.3 Whiteboards	2	0	1	2	3	N/A	smart
f.4 Chalkboards	0	0	1	2	3	N/A	
f.5 Display Boards	2	0	1	2	3	N/A	
f.6 Waste Receptacles	1	0	1	2	3	N/A	
f.7 Signage	1	0	1	2	3	N/A	
f.8 Chairs	2	0	1	2	3	N/A	
f.9 Desks	2	0	1	2	3	N/A	

normalized score

- TECHNOLOGY 0
- IEQ 5.56
- SPACE 4.86
- FINISHES 5
- LIGHTING 2.38
- FURNITURE 6.9



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Individual Learning Center (IL)  
 Room Number 214

5

A. TECHNOLOGY		RATING				COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	1	2	3	N/A	
a.3 Projector (Document)	0	1	2	3	N/A	
a.4 Teaching Station	0	1	2	3	N/A	
a.5 Smart Cart	0	1	2	3	N/A	
a.6 Smart Board	0	1	2	3	N/A	
a.7 Power Access	0	1	2	3	N/A	
a.8 Laptop Availability	0	1	2	3	N/A	
a.9 Flatscreen Monitors	0	1	2	3	N/A	
a.10 Wifi	0	1	2	3	N/A	

normalized score

TECHNOLOGY 0.67  
 IEQ 3.33  
 SPACE 4.17  
 FINISHES 4.33  
 LIGHTING 4.52  
 FURNITURE 5.24

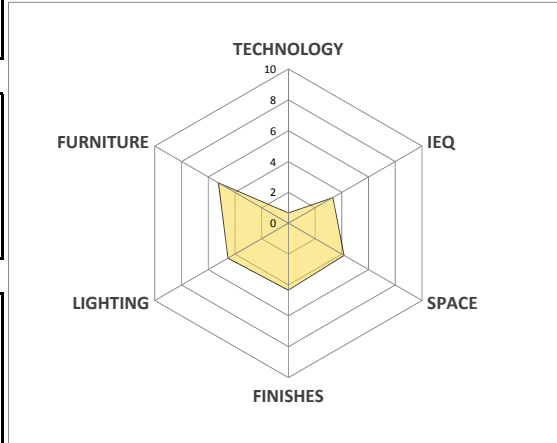
B. IEQ		RATING				COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	1	0	1	2	3	N/A
b.3 Air Quality	2	0	1	2	3	N/A
b.4 Ventilation	2	0	1	2	3	N/A
b.5 Ambient Noise	0	1	2	3	N/A	no separation from hall
b.6 Smell	1	0	1	2	3	N/A

C. SPACE		RATING				COMMENTS
c.1 Classroom Location	1	0	1	2	3	N/A
c.2 Visibility from Hallway	3	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	
c.4 Aspect Ratio	0	1	2	3	N/A	
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	n/a	0	1	2	3	N/A
c.8 Accessibility	3	0	1	2	3	N/A
c.9 Storage	0	1	2	3	N/A	
c.10 Clock	1	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	2	0	1	2	3	N/A

D. FINISHES		RATING				COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	3	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	1	0	1	2	3	N/A

E. LIGHTING		RATING				COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	2	0	1	2	3	N/A
e.3 Glare Control	1	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	1	2	3	N/A	
e.5 Footcandles Daylight	2	0	1	2	3	N/A
e.6 Footcandles Artificial	2	0	1	2	3	N/A
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE		RATING				COMMENTS
f.1 Podium	1	0	1	2	3	N/A
f.2 Tables	3	0	1	2	3	N/A
f.3 Whiteboards	2	0	1	2	3	N/A
f.4 Chalkboards	0	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	2	0	1	2	3	N/A
f.9 Desks	0	0	1	2	3	N/A





ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Physical Education (PE)  
 Room Number \_\_\_\_\_

5

A. TECHNOLOGY	RATING				COMMENTS	
a.1 Projector Screen	0	1	2	3	N/A	_____
a.2 Projector (Multimedia)	0	1	2	3	N/A	_____
a.3 Projector (Document)	0	1	2	3	N/A	_____
a.4 Teaching Station	0	1	2	3	N/A	_____
a.5 Smart Cart	0	1	2	3	N/A	_____
a.6 Smart Board	0	1	2	3	N/A	_____
a.7 Power Access	0	1	2	3	N/A	_____
a.8 Laptop Availability	0	1	2	3	N/A	_____
a.9 Flatscreen Monitors	0	1	2	3	N/A	_____
a.10 Wifi	0	1	2	3	N/A	_____

B. IEQ	RATING				COMMENTS	
b.1 Acoustic Control	0	1	2	3	N/A	_____
b.2 Thermal Comfort	0	1	2	3	N/A	_____
b.3 Air Quality	0	1	2	3	N/A	_____
b.4 Ventilation	0	1	2	3	N/A	_____
b.5 Ambient Noise	0	1	2	3	N/A	_____
b.6 Smell	0	1	2	3	N/A	_____

C. SPACE	RATING				COMMENTS	
c.1 Classroom Location	0	1	2	3	N/A	_____
c.2 Visibility from Hallway	0	1	2	3	N/A	_____
c.3 Assignable Square Feet	0	1	2	3	N/A	_____
c.4 Aspect Ratio	0	1	2	3	N/A	_____
c.5 Focus Direction	0	1	2	3	N/A	_____
c.6 Sightlines	0	1	2	3	N/A	_____
c.7 Door Location	0	1	2	3	N/A	_____
c.8 Accessibility	0	1	2	3	N/A	_____
c.9 Storage	0	1	2	3	N/A	_____
c.10 Clock	0	1	2	3	N/A	_____
c.11 Building Condition	0	1	2	3	N/A	_____
c.12 Ambiance	0	1	2	3	N/A	_____

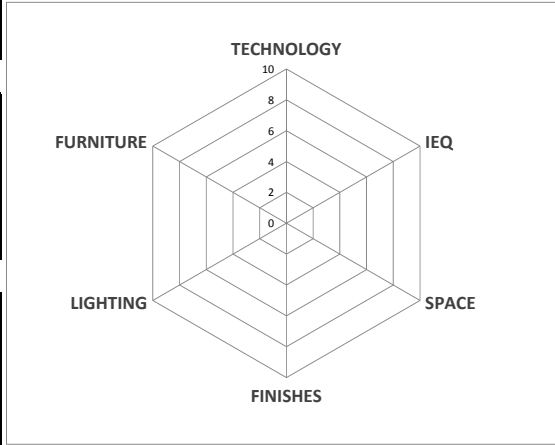
D. FINISHES	RATING				COMMENTS	
d.1 Flooring	0	1	2	3	N/A	_____
d.2 Walls	0	1	2	3	N/A	_____
d.3 Ceiling	0	1	2	3	N/A	_____
d.4 Casework	0	1	2	3	N/A	_____
d.5 Personalization	0	1	2	3	N/A	_____

E. LIGHTING	RATING				COMMENTS	
e.1 Artificial Control	0	1	2	3	N/A	_____
e.2 Daylight Control	0	1	2	3	N/A	_____
e.3 Glare Control	0	1	2	3	N/A	_____
e.4 Window/Wall Ratio	0	1	2	3	N/A	_____
e.5 Footcandles Daylight	0	1	2	3	N/A	_____
e.6 Footcandles Artificial	0	1	2	3	N/A	_____
e.7 Ambiance	0	1	2	3	N/A	_____

F. FURNITURE	RATING				COMMENTS	
f.1 Podium	0	1	2	3	N/A	_____
f.2 Tables	0	1	2	3	N/A	_____
f.3 Whiteboards	0	1	2	3	N/A	_____
f.4 Chalkboards	0	1	2	3	N/A	_____
f.5 Display Boards	0	1	2	3	N/A	_____
f.6 Waste Receptacles	0	1	2	3	N/A	_____
f.7 Signage	0	1	2	3	N/A	_____
f.8 Chairs	0	1	2	3	N/A	_____
f.9 Desks	0	1	2	3	N/A	_____

normalized score

TECHNOLOGY 0  
 IEQ 0  
 SPACE 0  
 FINISHES 0  
 LIGHTING 0  
 FURNITURE 0



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Science & Math (SM)  
 Room Number 127

A. TECHNOLOGY	RATING				COMMENTS
a.1 Projector Screen	0	1	2	3	N/A _____
a.2 Projector (Multimedia)	0	1	2	3	N/A _____
a.3 Projector (Document)	0	1	2	3	N/A _____
a.4 Teaching Station	0	1	2	3	N/A _____
a.5 Smart Cart	0	1	2	3	N/A _____
a.6 Smart Board	0	1	2	3	N/A _____
a.7 Power Access	0	1	2	3	N/A _____
a.8 Laptop Availability	0	1	2	3	N/A _____
a.9 Flatscreen Monitors	0	1	2	3	N/A _____
a.10 Wifi	0	1	2	3	N/A _____

B. IEQ	RATING				COMMENTS
b.1 Acoustic Control	0	1	2	3	N/A _____
b.2 Thermal Comfort	0	1	2	3	N/A _____
b.3 Air Quality	0	1	2	3	N/A _____
b.4 Ventilation	0	1	2	3	N/A _____
b.5 Ambient Noise	0	1	2	3	N/A _____
b.6 Smell	0	1	2	3	N/A _____

C. SPACE	RATING				COMMENTS
c.1 Classroom Location	0	1	2	3	N/A _____
c.2 Visibility from Hallway	0	1	2	3	N/A _____
c.3 Assignable Square Feet	0	1	2	3	N/A _____
c.4 Aspect Ratio	0	1	2	3	N/A _____
c.5 Focus Direction	0	1	2	3	N/A _____
c.6 Sightlines	0	1	2	3	N/A _____
c.7 Door Location	0	1	2	3	N/A _____
c.8 Accessibility	0	1	2	3	N/A _____
c.9 Storage	0	1	2	3	N/A _____
c.10 Clock	0	1	2	3	N/A _____
c.11 Building Condition	0	1	2	3	N/A _____
c.12 Ambiance	0	1	2	3	N/A _____

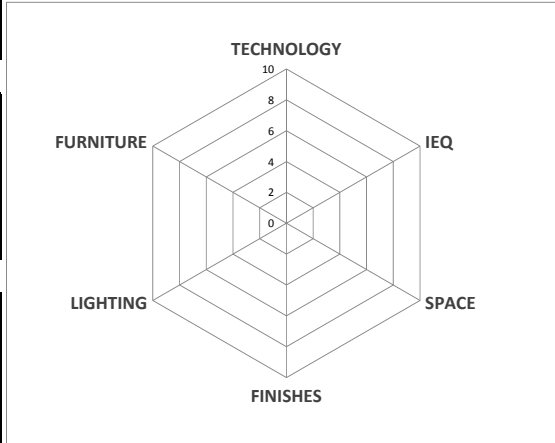
D. FINISHES	RATING				COMMENTS
d.1 Flooring	0	1	2	3	N/A _____
d.2 Walls	0	1	2	3	N/A _____
d.3 Ceiling	0	1	2	3	N/A _____
d.4 Casework	0	1	2	3	N/A _____
d.5 Personalization	0	1	2	3	N/A _____

E. LIGHTING	RATING				COMMENTS
e.1 Artificial Control	0	1	2	3	N/A _____
e.2 Daylight Control	0	1	2	3	N/A _____
e.3 Glare Control	0	1	2	3	N/A _____
e.4 Window/Wall Ratio	0	1	2	3	N/A _____
e.5 Footcandles Daylight	0	1	2	3	N/A _____
e.6 Footcandles Artificial	0	1	2	3	N/A _____
e.7 Ambiance	0	1	2	3	N/A _____

F. FURNITURE	RATING				COMMENTS
f.1 Podium	0	1	2	3	N/A _____
f.2 Tables	0	1	2	3	N/A _____
f.3 Whiteboards	0	1	2	3	N/A _____
f.4 Chalkboards	0	1	2	3	N/A _____
f.5 Display Boards	0	1	2	3	N/A _____
f.6 Waste Receptacles	0	1	2	3	N/A _____
f.7 Signage	0	1	2	3	N/A _____
f.8 Chairs	0	1	2	3	N/A _____
f.9 Desks	0	1	2	3	N/A _____

normalized score

TECHNOLOGY 0  
 IEQ 0  
 SPACE 0  
 FINISHES 0  
 LIGHTING 0  
 FURNITURE 0



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Social Science (SS)  
 Room Number 128

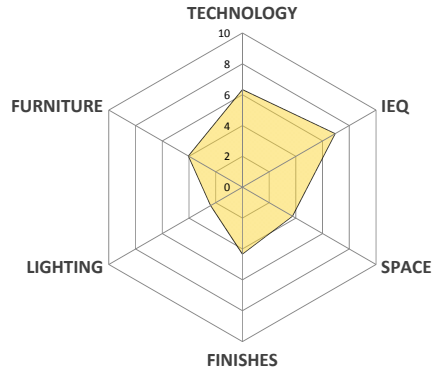
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A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	3	0	1	2	3	N/A
a.3 Projector (Document)	3	0	1	2	3	N/A
a.4 Teaching Station	3	0	1	2	3	N/A
a.5 Smart Cart	3	0	1	2	3	N/A
a.6 Smart Board	3	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	3	0	1	2	3	N/A

normalized score

TECHNOLOGY 6.33  
 IEQ 6.94  
 SPACE 3.75  
 FINISHES 4.33  
 LIGHTING 2.38  
 FURNITURE 4.05

B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	2	0	1	2	3	N/A
b.4 Ventilation	2	0	1	2	3	N/A
b.5 Ambient Noise	3	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A



C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	not filled out
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	3	0	1	2	3	N/A
c.6 Sightlines	3	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	0	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	0	0	1	2	3	N/A
c.11 Building Condition	1	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	1	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	2	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	2	0	1	2	3	N/A
e.2 Daylight Control	0	0	1	2	3	N/A
e.3 Glare Control	0	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	0	1	2	3	N/A
e.5 Footcandles Daylight	0	0	1	2	3	N/A
e.6 Footcandles Artificial	2	0	1	2	3	N/A
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	3	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	0	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A

ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Social Science (SS)  
 Room Number 145 - dance

5

A. TECHNOLOGY		RATING				COMMENTS	
a.1 Projector Screen	N/A	0	1	2	3	N/A	_____
a.2 Projector (Multimedia)	N/A	0	1	2	3	N/A	_____
a.3 Projector (Document)	N/A	0	1	2	3	N/A	_____
a.4 Teaching Station	N/A	0	1	2	3	N/A	_____
a.5 Smart Cart	N/A	0	1	2	3	N/A	_____
a.6 Smart Board	N/A	0	1	2	3	N/A	_____
a.7 Power Access	N/A	0	1	2	3	N/A	_____
a.8 Laptop Availability	N/A	0	1	2	3	N/A	_____
a.9 Flatscreen Monitors	N/A	0	1	2	3	N/A	_____
a.10 Wifi	N/A	0	1	2	3	N/A	_____

normalized score

TECHNOLOGY 0  
 IEQ 3.89  
 SPACE 6.25  
 FINISHES 4.67  
 LIGHTING 4.52  
 FURNITURE 0

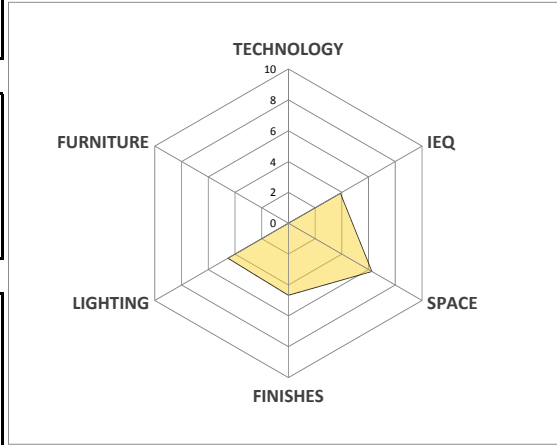
B. IEQ							
b.1 Acoustic Control	1	0	1	2	3	N/A	_____
b.2 Thermal Comfort	2	0	1	2	3	N/A	_____
b.3 Air Quality	1	0	1	2	3	N/A	_____
b.4 Ventilation	2	0	1	2	3	N/A	_____
b.5 Ambient Noise	1	0	1	2	3	N/A	_____
b.6 Smell	1	0	1	2	3	N/A	_____

C. SPACE							
c.1 Classroom Location	3	0	1	2	3	N/A	_____
c.2 Visibility from Hallway	2	0	1	2	3	N/A	_____
c.3 Assignable Square Feet	3	0	1	2	3	N/A	_____
c.4 Aspect Ratio	n/a	0	1	2	3	N/A	_____
c.5 Focus Direction	3	0	1	2	3	N/A	_____
c.6 Sightlines	3	0	1	2	3	N/A	_____
c.7 Door Location	3	0	1	2	3	N/A	_____
c.8 Accessibility	2	0	1	2	3	N/A	_____
c.9 Storage	2	0	1	2	3	N/A	_____
c.10 Clock	1	0	1	2	3	N/A	_____
c.11 Building Condition	2	0	1	2	3	N/A	_____
c.12 Ambiance	2	0	1	2	3	N/A	_____

D. FINISHES							
d.1 Flooring	3	0	1	2	3	N/A	_____
d.2 Walls	2	0	1	2	3	N/A	_____
d.3 Ceiling	2	0	1	2	3	N/A	_____
d.4 Casework	0	0	1	2	3	N/A	_____
d.5 Personalization	2	0	1	2	3	N/A	_____

E. LIGHTING							
e.1 Artificial Control	1	0	1	2	3	N/A	_____
e.2 Daylight Control	2	0	1	2	3	N/A	_____
e.3 Glare Control	0	1	2	3	N/A	_____	_____
e.4 Window/Wall Ratio	2	0	1	2	3	N/A	_____
e.5 Footcandles Daylight	2	0	1	2	3	N/A	_____
e.6 Footcandles Artificial	2	0	1	2	3	N/A	_____
e.7 Ambiance	2	0	1	2	3	N/A	_____

F. FURNITURE							
f.1 Podium	n/a	0	1	2	3	N/A	_____
f.2 Tables	n/a	0	1	2	3	N/A	_____
f.3 Whiteboards	n/a	0	1	2	3	N/A	_____
f.4 Chalkboards	n/a	0	1	2	3	N/A	_____
f.5 Display Boards	n/a	0	1	2	3	N/A	_____
f.6 Waste Receptacles	n/a	0	1	2	3	N/A	_____
f.7 Signage	n/a	0	1	2	3	N/A	_____
f.8 Chairs	n/a	0	1	2	3	N/A	_____
f.9 Desks	n/a	0	1	2	3	N/A	_____



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Social Science (SS)  
 Room Number 201

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	1	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	3	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	2	0	1	2	3	N/A

normalized score

TECHNOLOGY 4.17  
 IEQ 5.56  
 SPACE 5.42  
 FINISHES 2  
 LIGHTING 4.76  
 FURNITURE 5.24

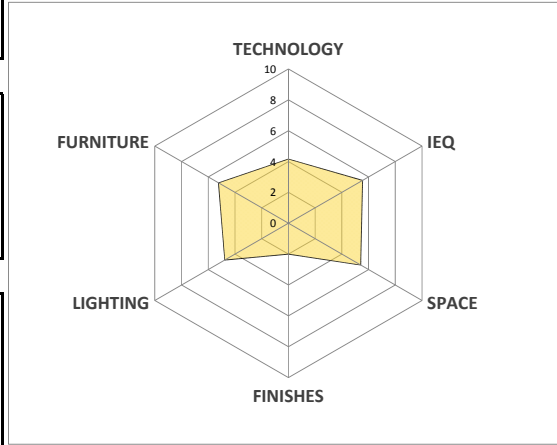
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	2	0	1	2	3	N/A
b.4 Ventilation	2	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	3	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	3	0	1	2	3	N/A
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	3	0	1	2	3	N/A
c.7 Door Location	1	0	1	2	3	N/A
c.8 Accessibility	1	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	1	0	1	2	3	N/A
c.11 Building Condition	1	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	1	0	1	2	3	N/A
d.2 Walls	1	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	2	0	1	2	3	N/A
e.3 Glare Control	2	0	1	2	3	N/A
e.4 Window/Wall Ratio	1	0	1	2	3	N/A
e.5 Footcandles Daylight	2	0	1	2	3	N/A
e.6 Footcandles Artificial	2	0	1	2	3	N/A
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	2	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Social Science (SS)  
 Room Number 202

5

A. TECHNOLOGY	RATING					COMMENTS	
a.1 Projector Screen	2	0	1	2	3	N/A	_____
a.2 Projector (Multimedia)	0	0	1	2	3	N/A	_____
a.3 Projector (Document)	0	0	1	2	3	N/A	_____
a.4 Teaching Station	0	0	1	2	3	N/A	_____
a.5 Smart Cart	0	0	1	2	3	N/A	_____
a.6 Smart Board	0	0	1	2	3	N/A	_____
a.7 Power Access	1	0	1	2	3	N/A	_____
a.8 Laptop Availability	0	0	1	2	3	N/A	_____
a.9 Flatscreen Monitors	0	0	1	2	3	N/A	_____
a.10 Wifi	3	0	1	2	3	N/A	_____

B. IEQ	RATING					COMMENTS	
b.1 Acoustic Control	2	0	1	2	3	N/A	_____
b.2 Thermal Comfort	2	0	1	2	3	N/A	_____
b.3 Air Quality	2	0	1	2	3	N/A	_____
b.4 Ventilation	2	0	1	2	3	N/A	_____
b.5 Ambient Noise	2	0	1	2	3	N/A	_____
b.6 Smell	2	0	1	2	3	N/A	_____

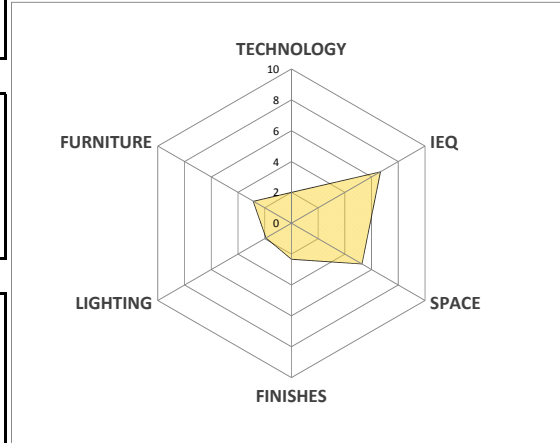
C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	3	0	1	2	3	N/A	_____
c.2 Visibility from Hallway	2	0	1	2	3	N/A	_____
c.3 Assignable Square Feet	0	0	1	2	3	N/A	not filled out
c.4 Aspect Ratio	3	0	1	2	3	N/A	_____
c.5 Focus Direction	3	0	1	2	3	N/A	_____
c.6 Sightlines	3	0	1	2	3	N/A	_____
c.7 Door Location	1	0	1	2	3	N/A	_____
c.8 Accessibility	1	0	1	2	3	N/A	_____
c.9 Storage	0	0	1	2	3	N/A	_____
c.10 Clock	1	0	1	2	3	N/A	_____
c.11 Building Condition	1	0	1	2	3	N/A	_____
c.12 Ambiance	1	0	1	2	3	N/A	_____

D. FINISHES	RATING					COMMENTS	
d.1 Flooring	1	0	1	2	3	N/A	_____
d.2 Walls	1	0	1	2	3	N/A	_____
d.3 Ceiling	1	0	1	2	3	N/A	_____
d.4 Casework	0	0	1	2	3	N/A	_____
d.5 Personalization	1	0	1	2	3	N/A	_____

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	1	0	1	2	3	N/A	_____
e.2 Daylight Control	0	0	1	2	3	N/A	_____
e.3 Glare Control	0	0	1	2	3	N/A	_____
e.4 Window/Wall Ratio	0	0	1	2	3	N/A	_____
e.5 Footcandles Daylight	0	0	1	2	3	N/A	_____
e.6 Footcandles Artificial	2	0	1	2	3	N/A	_____
e.7 Ambiance	1	0	1	2	3	N/A	_____

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	0	0	1	2	3	N/A	_____
f.2 Tables	1	0	1	2	3	N/A	_____
f.3 Whiteboards	0	0	1	2	3	N/A	_____
f.4 Chalkboards	3	0	1	2	3	N/A	_____
f.5 Display Boards	0	0	1	2	3	N/A	_____
f.6 Waste Receptacles	1	0	1	2	3	N/A	_____
f.7 Signage	0	0	1	2	3	N/A	_____
f.8 Chairs	0	0	1	2	3	N/A	_____
f.9 Desks	1	0	1	2	3	N/A	_____

normalized score  
**TECHNOLOGY** 2  
**IEQ** 6.67  
**SPACE** 5.28  
**FINISHES** 2.33  
**LIGHTING** 1.9  
**FURNITURE** 2.86



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Social Science (SS)  
 Room Number 203? (smar)

5

A. TECHNOLOGY	RATING					COMMENTS	
a.1 Projector Screen	2	0	1	2	3	N/A	_____
a.2 Projector (Multimedia)	2	0	1	2	3	N/A	_____
a.3 Projector (Document)	2	0	1	2	3	N/A	_____
a.4 Teaching Station	2	0	1	2	3	N/A	_____
a.5 Smart Cart	0	0	1	2	3	N/A	_____
a.6 Smart Board	2	0	1	2	3	N/A	_____
a.7 Power Access	1	0	1	2	3	N/A	_____
a.8 Laptop Availability	0	0	1	2	3	N/A	_____
a.9 Flatscreen Monitors	0	0	1	2	3	N/A	_____
a.10 Wifi	3	0	1	2	3	N/A	_____

normalized score

TECHNOLOGY 4.67  
 IEQ 5  
 SPACE 4.72  
 FINISHES 4  
 LIGHTING 1.9  
 FURNITURE 3.81

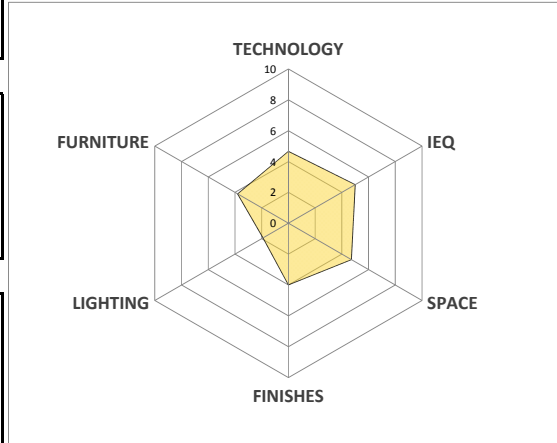
B. IEQ	RATING					COMMENTS	
b.1 Acoustic Control	1	0	1	2	3	N/A	_____
b.2 Thermal Comfort	2	0	1	2	3	N/A	_____
b.3 Air Quality	2	0	1	2	3	N/A	_____
b.4 Ventilation	2	0	1	2	3	N/A	_____
b.5 Ambient Noise	1	0	1	2	3	N/A	_____
b.6 Smell	2	0	1	2	3	N/A	_____

C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	_____
c.2 Visibility from Hallway	2	0	1	2	3	N/A	_____
c.3 Assignable Square Feet	2	0	1	2	3	N/A	_____
c.4 Aspect Ratio	2	0	1	2	3	N/A	_____
c.5 Focus Direction	2	0	1	2	3	N/A	_____
c.6 Sightlines	2	0	1	2	3	N/A	_____
c.7 Door Location	2	0	1	2	3	N/A	_____
c.8 Accessibility	1	0	1	2	3	N/A	_____
c.9 Storage	0	0	1	2	3	N/A	_____
c.10 Clock	1	0	1	2	3	N/A	_____
c.11 Building Condition	2	0	1	2	3	N/A	_____
c.12 Ambiance	2	0	1	2	3	N/A	_____

D. FINISHES	RATING					COMMENTS	
d.1 Flooring	2	0	1	2	3	N/A	_____
d.2 Walls	2	0	1	2	3	N/A	_____
d.3 Ceiling	2	0	1	2	3	N/A	_____
d.4 Casework	0	0	1	2	3	N/A	_____
d.5 Personalization	0	0	1	2	3	N/A	_____

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	1	0	1	2	3	N/A	_____
e.2 Daylight Control	0	0	1	2	3	N/A	_____
e.3 Glare Control	0	0	1	2	3	N/A	_____
e.4 Window/Wall Ratio	0	0	1	2	3	N/A	_____
e.5 Footcandles Daylight	0	0	1	2	3	N/A	_____
e.6 Footcandles Artificial	2	0	1	2	3	N/A	_____
e.7 Ambiance	1	0	1	2	3	N/A	_____

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	1	0	1	2	3	N/A	_____
f.2 Tables	0	0	1	2	3	N/A	_____
f.3 Whiteboards	2	0	1	2	3	N/A	_____
f.4 Chalkboards	2	0	1	2	3	N/A	_____
f.5 Display Boards	0	0	1	2	3	N/A	_____
f.6 Waste Receptacles	1	0	1	2	3	N/A	_____
f.7 Signage	2	0	1	2	3	N/A	_____
f.8 Chairs	0	0	1	2	3	N/A	_____
f.9 Desks	1	0	1	2	3	N/A	_____



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Social Science (SS)  
 Room Number 206/208

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	0	0	1	2	3	N/A
a.3 Projector (Document)	1	0	1	2	3	N/A
a.4 Teaching Station	1	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	2	0	1	2	3	N/A

normalized score

TECHNOLOGY 2  
 IEQ 6.11  
 SPACE 3.75  
 FINISHES 3.33  
 LIGHTING 2.38  
 FURNITURE 3.1

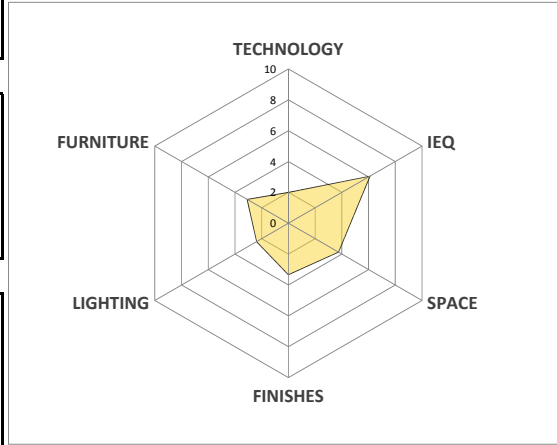
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	2	0	1	2	3	N/A
b.4 Ventilation	2	0	1	2	3	N/A
b.5 Ambient Noise	2	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	0	1	2	3	N/A
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	1	0	1	2	3	N/A
c.8 Accessibility	1	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	1	0	1	2	3	N/A
c.11 Building Condition	1	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	1	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	2	0	1	2	3	N/A
e.2 Daylight Control	0	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	0	0	1	2	3	N/A
e.5 Footcandles Daylight	0	0	1	2	3	N/A
e.6 Footcandles Artificial	3	0	1	2	3	N/A
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	2	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	0	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A





ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Social Science (SS)  
 Room Number 230

5

A. TECHNOLOGY	RATING					COMMENTS	
a.1 Projector Screen	2	0	1	2	3	N/A	_____
a.2 Projector (Multimedia)	2	0	1	2	3	N/A	_____
a.3 Projector (Document)	2	0	1	2	3	N/A	_____
a.4 Teaching Station	2	0	1	2	3	N/A	_____
a.5 Smart Cart	2	0	1	2	3	N/A	_____
a.6 Smart Board	2	0	1	2	3	N/A	_____
a.7 Power Access	2	0	1	2	3	N/A	_____
a.8 Laptop Availability	2	0	1	2	3	N/A	_____
a.9 Flatscreen Monitors	2	0	1	2	3	N/A	_____
a.10 Wifi	2	0	1	2	3	N/A	_____

B. IEQ	RATING					COMMENTS	
b.1 Acoustic Control	2	0	1	2	3	N/A	_____
b.2 Thermal Comfort	2	0	1	2	3	N/A	_____
b.3 Air Quality	2	0	1	2	3	N/A	_____
b.4 Ventilation	2	0	1	2	3	N/A	_____
b.5 Ambient Noise	2	0	1	2	3	N/A	_____
b.6 Smell	2	0	1	2	3	N/A	_____

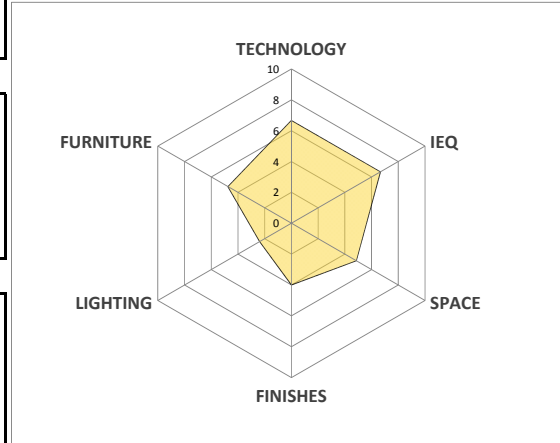
C. SPACE	RATING					COMMENTS	
c.1 Classroom Location	2	0	1	2	3	N/A	_____
c.2 Visibility from Hallway	2	0	1	2	3	N/A	_____
c.3 Assignable Square Feet	2	0	1	2	3	N/A	_____
c.4 Aspect Ratio	2	0	1	2	3	N/A	_____
c.5 Focus Direction	2	0	1	2	3	N/A	_____
c.6 Sightlines	2	0	1	2	3	N/A	_____
c.7 Door Location	2	0	1	2	3	N/A	_____
c.8 Accessibility	1	0	1	2	3	N/A	_____
c.9 Storage	0	0	1	2	3	N/A	_____
c.10 Clock	1	0	1	2	3	N/A	_____
c.11 Building Condition	1	0	1	2	3	N/A	_____
c.12 Ambiance	1	0	1	2	3	N/A	_____

D. FINISHES	RATING					COMMENTS	
d.1 Flooring	2	0	1	2	3	N/A	_____
d.2 Walls	2	0	1	2	3	N/A	_____
d.3 Ceiling	2	0	1	2	3	N/A	_____
d.4 Casework	0	0	1	2	3	N/A	_____
d.5 Personalization	0	0	1	2	3	N/A	_____

E. LIGHTING	RATING					COMMENTS	
e.1 Artificial Control	2	0	1	2	3	N/A	_____
e.2 Daylight Control	0	0	1	2	3	N/A	_____
e.3 Glare Control	0	0	1	2	3	N/A	_____
e.4 Window/Wall Ratio	0	0	1	2	3	N/A	_____
e.5 Footcandles Daylight	0	0	1	2	3	N/A	_____
e.6 Footcandles Artificial	2	0	1	2	3	N/A	_____
e.7 Ambiance	1	0	1	2	3	N/A	_____

F. FURNITURE	RATING					COMMENTS	
f.1 Podium	2	0	1	2	3	N/A	_____
f.2 Tables	1	0	1	2	3	N/A	_____
f.3 Whiteboards	1	0	1	2	3	N/A	_____
f.4 Chalkboards	1	0	1	2	3	N/A	_____
f.5 Display Boards	1	0	1	2	3	N/A	_____
f.6 Waste Receptacles	1	0	1	2	3	N/A	_____
f.7 Signage	1	0	1	2	3	N/A	_____
f.8 Chairs	1	0	1	2	3	N/A	_____
f.9 Desks	1	0	1	2	3	N/A	_____

normalized score  
**TECHNOLOGY** 6.67  
**IEQ** 6.67  
**SPACE** 4.86  
**FINISHES** 4  
**LIGHTING** 2.38  
**FURNITURE** 4.76



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Social Science (SS)  
 Room Number 239

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	2	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	0	0	1	2	3	N/A
a.10 Wifi	3	0	1	2	3	N/A

normalized score

TECHNOLOGY 5.5  
 IEQ 5.56  
 SPACE 4.44  
 FINISHES 4  
 LIGHTING 6.67  
 FURNITURE 6.43

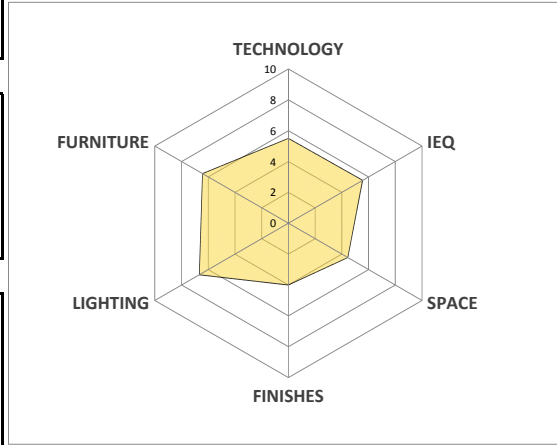
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	2	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	2	0	1	2	3	N/A
b.4 Ventilation	2	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	2	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	2	0	1	2	3	N/A
c.4 Aspect Ratio	2	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	0	0	1	2	3	N/A
c.9 Storage	0	0	1	2	3	N/A
c.10 Clock	1	0	1	2	3	N/A
c.11 Building Condition	1	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	0	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	2	0	1	2	3	N/A
e.2 Daylight Control	2	0	1	2	3	N/A
e.3 Glare Control	3	0	1	2	3	N/A
e.4 Window/Wall Ratio	2	0	1	2	3	N/A
e.5 Footcandles Daylight	2	0	1	2	3	N/A
e.6 Footcandles Artificial	2	0	1	2	3	N/A
e.7 Ambiance	2	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	2	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	2	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	2	0	1	2	3	N/A
f.7 Signage	2	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	1	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Science & Technology (ST)  
 Room Number 154 Biology Lab

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	0	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	0	0	1	2	3	N/A
a.7 Power Access	2	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 3.33  
 IEQ 2.22  
 SPACE 4.86  
 FINISHES 7.33  
 LIGHTING 0.95  
 FURNITURE 3.81

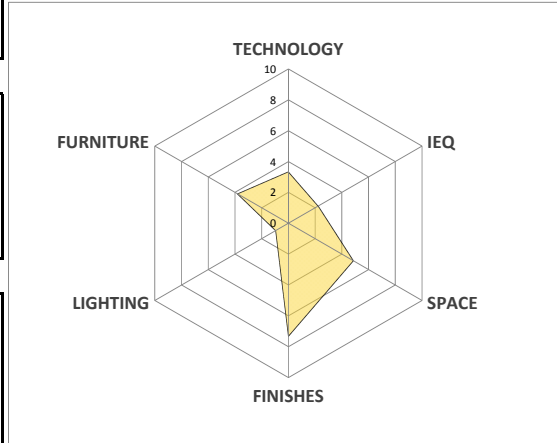
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	1	0	1	2	3	N/A
b.6 Smell	1	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	2	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	54x30
c.4 Aspect Ratio	1	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	2	0	1	2	3	N/A
c.8 Accessibility	1	0	1	2	3	N/A
c.9 Storage	2	0	1	2	3	N/A
c.10 Clock	0	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	2	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	2	0	1	2	3	N/A
d.4 Casework	2	0	1	2	3	N/A
d.5 Personalization	3	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	32.2
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	0	0	1	2	3	N/A
f.2 Tables	1	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	1	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	1	0	1	2	3	N/A
f.8 Chairs	2	0	1	2	3	N/A
f.9 Desks	n/a	0	1	2	3	N/A



ROOM QUALITY EVALUATION WORKSHEET

Institution & Campus Name Southwest Minnesota State University  
 Building Name Science & Technology (ST)  
 Room Number 216

5

A. TECHNOLOGY	RATING					COMMENTS
a.1 Projector Screen	2	0	1	2	3	N/A
a.2 Projector (Multimedia)	2	0	1	2	3	N/A
a.3 Projector (Document)	2	0	1	2	3	N/A
a.4 Teaching Station	2	0	1	2	3	N/A
a.5 Smart Cart	0	0	1	2	3	N/A
a.6 Smart Board	2	0	1	2	3	N/A
a.7 Power Access	1	0	1	2	3	N/A
a.8 Laptop Availability	0	0	1	2	3	N/A
a.9 Flatscreen Monitors	2	0	1	2	3	N/A
a.10 Wifi	n/a	0	1	2	3	N/A

normalized score

TECHNOLOGY 4.33  
 IEQ 1.94  
 SPACE 5.14  
 FINISHES 4  
 LIGHTING 0.95  
 FURNITURE 4.05

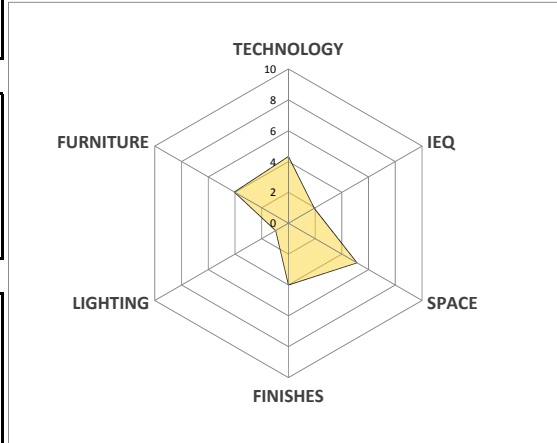
B. IEQ	RATING					COMMENTS
b.1 Acoustic Control	1	0	1	2	3	N/A
b.2 Thermal Comfort	2	0	1	2	3	N/A
b.3 Air Quality	n/a	0	1	2	3	N/A
b.4 Ventilation	n/a	0	1	2	3	N/A
b.5 Ambient Noise	0	0	1	2	3	N/A
b.6 Smell	1	0	1	2	3	N/A

C. SPACE	RATING					COMMENTS
c.1 Classroom Location	1	0	1	2	3	N/A
c.2 Visibility from Hallway	2	0	1	2	3	N/A
c.3 Assignable Square Feet	0	1	2	3	N/A	40x36
c.4 Aspect Ratio	3	0	1	2	3	N/A
c.5 Focus Direction	2	0	1	2	3	N/A
c.6 Sightlines	2	0	1	2	3	N/A
c.7 Door Location	1	0	1	2	3	N/A
c.8 Accessibility	2	0	1	2	3	N/A
c.9 Storage	2	0	1	2	3	N/A
c.10 Clock	2	0	1	2	3	N/A
c.11 Building Condition	2	0	1	2	3	N/A
c.12 Ambiance	1	0	1	2	3	N/A

D. FINISHES	RATING					COMMENTS
d.1 Flooring	2	0	1	2	3	N/A
d.2 Walls	2	0	1	2	3	N/A
d.3 Ceiling	1	0	1	2	3	N/A
d.4 Casework	1	0	1	2	3	N/A
d.5 Personalization	0	0	1	2	3	N/A

E. LIGHTING	RATING					COMMENTS
e.1 Artificial Control	1	0	1	2	3	N/A
e.2 Daylight Control	n/a	0	1	2	3	N/A
e.3 Glare Control	n/a	0	1	2	3	N/A
e.4 Window/Wall Ratio	n/a	0	1	2	3	N/A
e.5 Footcandles Daylight	n/a	0	1	2	3	N/A
e.6 Footcandles Artificial	0	1	2	3	N/A	62.3
e.7 Ambiance	1	0	1	2	3	N/A

F. FURNITURE	RATING					COMMENTS
f.1 Podium	1	0	1	2	3	N/A
f.2 Tables	2	0	1	2	3	N/A
f.3 Whiteboards	0	0	1	2	3	N/A
f.4 Chalkboards	2	0	1	2	3	N/A
f.5 Display Boards	2	0	1	2	3	N/A
f.6 Waste Receptacles	1	0	1	2	3	N/A
f.7 Signage	0	0	1	2	3	N/A
f.8 Chairs	1	0	1	2	3	N/A
f.9 Desks	n/a	0	1	2	3	N/A



**DOCUMENTING MODERNIST LANDSCAPES -  
SOUTHWEST MINNESOTA STATE UNIVERSITY**

1501 State Street

Marshall

Minnesota

*HALS MN-9*

**HALS MN-9**

**WRITTEN HISTORICAL AND DESCRIPTIVE DATA**

**HISTORIC AMERICAN LANDSCAPES SURVEY**

National Park Service

U.S. Department of the Interior

1849 C Street NW  
Washington, DC 20240-0001  
**HISTORIC AMERICAN LANDSCAPES SURVEY**

**DOCUMENTING MODERNIST LANDSCAPES –**  
**SOUTHWEST MINNESOTA STATE UNIVERSITY (SMSU)**

**HALS NO. XX-##**

**Location:** 1501 State Street, Marshall, Lyon County, Minnesota  
Lat: 44.4542 Long: -95.7597; United States National Grid: 15TTK8043626030;  
x,y: 523578.58500, 194316.51200 (Student Center east entrance);  
PID: 27-627005-0 (Lyon Co. Interactive Map, GeoMOOSE 2.2).

**Significance:** Southwest Minnesota State's courtyard plantings and windbreaks designed by landscape architect Charles E. Wood, is among the finest modern-era campus landscapes of the time. The modernist style installations of original buildings, a variety of courtyards and windbreak plantings remain largely intact within the campus dating back to a period of significance between 1967 and 1987. Notable architectural firms in service to the college during that period include St. Paul architecture and engineering firm, Walter Butler Company, and Charles Wood Associates, Inc. in Minneapolis, MN who provided landscape architecture and planning services. More than 30 years prior to the Americans with Disabilities Act of 1991, SMSU was designed to be one of the first fully accessible college campuses in the nation.

**Description:** SMSU campus features a cohesive modern architectural mix of lecture halls, student services and administrative buildings clustered around a series of courtyards/quad spaces, all sheltered by a complex system of windbreaks. The mixed coniferous and deciduous windbreak buffers extend beyond the central campus perimeter to include campus roads, athletics, and student housing. The central campus courtyards express a perpendicular and terraced quality reflecting design trends by such nationally-known landscape architects as Lawrence Halprin in California and M. Paul Friedberg in New York.<sup>①</sup> The campus has retained much of its original landscape integrity and functions provided by the landscape elements and spaces.

*SMSU Central Campus Courtyards*

The central campus layout forms three primary courtyards and a quad space, each having its own character and scale but all expressing a strong modernist style in a highly preserved state. The courtyard interior layouts are organized on a grid but less emphasis on symmetry produces space manipulation typical of the modern design era. Charter lecture hall is the primary lecture facility centrally located

within the main academic cluster. Three primary courtyards surround Charter Hall on the east, west and north sides.

#### *Garden Courtyard*

On the west side of Charter Hall lies the Garden Courtyard, surrounded by Science/Math, and Science/Technology to the north and west. Garden Courtyard is the largest and the first fully enclosed courtyard space on the campus measuring approximately 135'x 265' between buildings. The south edge of the courtyard is Bellows Academic Center with direct access to the courtyard. Science/Math on the north end has access to the courtyard via the enclosed walkway links between it and Charter Hall on the east, and Science/Technology on the west. Most of the access to this courtyard is provided similarly at the corners between the surrounding buildings.

Since its construction in 1972, it would appear that Garden Courtyard has sustained primarily cosmetic alterations. At some point in its history or possibly the result of original design document/construction plan alteration, the addition of paved area is notable on the far north end of the court where a node (25'x15') provides an extension of a corner walk near the northeast access to Science/Math and Charter Hall. Due to uniform color and consistency of the concrete, it would appear the alteration from the design documents reviewed by this author may have been made during or prior to construction. Additionally, according to the design records provided by SMSU, approx. 685 s.f. of lawn area north of the central sunken patio appears to have replaced some of the (design document) concrete plaza. The result of these two (design or construction) changes ultimately reduces pavement and increases central lawn space by over 300 s.f., which may have been an easily processed change request if the contract amount for pavement remained the same.

Green ash, river birch, and white pine are among the over story species within the Garden Court. The rectangular planting beds surrounding the 35 ft. square sunken patio still contain a variety of mid-story trees, shrubs and forbs originally mulched flush with the edges of the concrete walks. Today, several beds are lined with concrete masonry unit blocks (possibly) to contain a raised depth of mulch resulting from years of buildup or simply to define the beds with a contemporary treatment. A series of seven brick-faced, low (40"-45" ht. x 25' long), free-standing walls function to sometimes separate planting beds from walks and to help provide a backdrop to several moveable-chair seating areas throughout the courtyard. Each wall has louvered recessed lighting fixtures along the pedestrian side, but their operable condition is currently unknown. A science project once utilized the courtyard for a contained study involving ground squirrels that resulted in Garden Court suffering a post-study infestation which remains a part of its landscape history.

*Social Science Courtyard*

On the north side of Charter Hall, lies the Social Science Courtyard somewhat open on the northeast for service access but practically an enclosed court. Plans reviewed by this author indicate this courtyard was developed as a part of the Education and Social Science building construction on the north during the final stages of the main campus buildings development in 1973. Charter Hall, Social Science and Science & Math buildings surrounding the courtyard on its south, west and north sides have direct access doors opening onto the courtyard. The east side Individualized Learning Center does not have direct access to the courtyard. The character of the space is that of strong vegetation screening and individual or small group focus on space with ample opportunities to find shade or filtered sun. The northeast service area opens the space somewhat, but the coniferous windbreak that flanks on the north side of the service access serves to enclose and add to the vegetated character of the space. A poured-in-place, (40"-45" high) tapering concrete planter with attached wood/steel frame bench is the primary design component of the court layout. The serpentine-on-a-grid design layout of the planter walls offer effective sound buffering of seating areas within the nooks; especially when planted in full canopy trees and shrubs at (seated) head level. Sunken courts or raised planters designed during the Modernist era, such as these at SMSU, remain a proven and very effective method for rendering quiet or comfortable/protected public spaces. Lower versions of the exposed aggregate finished walls define planting beds around the north entrance to Charter Hall. Lighting recessed along the wall face is similar to that seen in Garden Court and operation of the lighting is confirmed to have failed. The walkways are lit for pedestrians with the classic stepped-round 12' pole and smoked Plexiglas globe fixtures from 1973.

*East Courtyard*

On the east side of Charter Hall, a narrow courtyard provides seating between the Individualized Learning Center (ILC) and Charter Hall. The south end of the courtyard space is open to a perpendicular pedestrian way between parking and buildings which provides an open south access to the court. The southern exposure tempers the cold during the transition seasons within the relatively narrow proportion between buildings where the courtyard invites passersby to sit. Direct access to the space from the north and east is provided through the Individualized Learning Center constructed in 1972. The character of the space is open and inviting, a place to see and to be seen within. Views into the space are offered from both Charter and ILC looking east and west. Seating is ordered and yet off-line from an axial symmetry or ladder symmetry in this case.

Two separate and open-ended planter beds are sandwiched between four long, fixed seat wall wood slatted benches. Two more free standing wood capped wall benches book-end the space creating three distinct patios. Each patio is given a



round exposed aggregate pad in the middle for a simple round deck/umbrella table and chairs. Planter beds contain low evergreen shrubs and a mixed variety of perennials. Bollard lighting is provided along the main walk connection opposite the seating area. Each SMSU courtyard has its own character. The east court, described by this author to measure approximately 65'x 110', is the smallest by comparison but the character within this space has opened up to its surroundings in response to its limited scale.

### *Central Quad*

Central Quad has a prominent location at the gateway to the central campus from the southeast edge of campus. The Quad functions to welcome students and visitors as the primary arrival space to SMSU. The modern layout of the space stands apart from the smaller courtyards of the central campus with axial formality and sparse open design character capable of hosting assemblies and ceremony. If a central mall of the campus were to be identified, Central Quad would be the clear choice. The quad has undergone some changes to its original 1967 construction which primarily involves the alteration of the central green that perhaps now gives it a mall-like character as perceived by this author. Early photos of construction development reveal that Central Quad was once open to the south, a gateway to the central campus facilities. The growth of the campus eventually filled in the open end and it remains a fully enclosed quad measuring approximately 158' x 205' between buildings. The space actually extends significantly beyond this author's 205 ft. estimate of length due to an elevated north plaza level that overlooks the quad approximately two feet above quad level.

The north plaza adds a significant design element to the quad by elevating the view perspective and sets up a terraced or descending approach entering the quad from the Bellows Academic Center (BAC). The north plaza spans the width of the quad and extends into the quad at the northwest corner offering a "sanctuary" overview and interaction of spaces set apart by a low retaining wall spanning the width of the quad. BAC plaza was constructed over the extension of the lower level of the BAC building, and the scale of the building façade is effectively reduced by this classically modern technique of creating indeterminate spatial edges. Treatment of the juncture of the BAC and the quad creates an illusion of where structure begins and site ends and is a prime example of space manipulation by the architect. The east and west sides of the quad also feature broad concrete stair entrances to the Fine Arts/Theatre and Physical Education buildings emphasizing the lower quad elevation.

The 1967 quad and north plaza design featured several iconic examples of urban and campus modern site components that have not survived since original construction but can be seen in early photos herein. Six large exposed aggregate and smooth concrete topped (10'x10') tree planter boxes had been located (3) on the north plaza and (3) on the south end of the quad and have since been either

eliminated or replaced with flush tree grates. Provision for north plaza seating around the large tree boxes has been replaced by standard concrete round tables and benches. The BAC plaza also held two large (15'x20') curb-surround lawn plots that flanked the building entrance and have since been eliminated. The sunken lawn space within the central quad green had once been framed by three risers with classically modern wide over-hung/reveal treads that dropped the elevation 18 inches below the surrounding walks. The green was eventually modified by filling in the 18 inch difference in elevation to a flush profile with the walk which eliminated the powerful horizontal stair element of the period detail. The design impact of this change has been the addition of a central walk through the green space to provide access, and the subtle curvature of the walk tends to visually diminish any strength of a central axis that the quad once had.

Construction of the Quad and north plaza walks, stairs and planters had originally been poured-in-place concrete with a medium broom or exposed aggregate finish on the surfaces. Over the course of several decades, the north plaza began to break down and reveal the consequences of roof-top construction as the stresses from below and faltering seals from above required actions that eventually led to a simple but sweeping fix. At some point during the ninety's, the north plaza was cleared of its heavy planters, curbed lawns and cracked concrete, leaving behind the iconic free-standing awning over the main entrance to BAC and couple of trees grates within about a third of an acre of concrete pavers. The stair-framed perimeter and central serpentine path of the quad central greenspace have also been paved with the same decorative (possibly a Borgert "Symmetry" product) pattern of hexagons and squares. Lighting was originally featured at the landing area of the central staircase/ramp between the upper plaza and the main level of the quad with twin 12-15 ft. high, decorative quad-cylinder style fixtures (possibly Presco) on tapered posts, framing the axial view leading to the north terrace. These fixtures were a good choice to illuminate the surrounding grade changes and respond visually to the scale and mass of the BAC entrance canopy backdrop. At some point, the quad-cylinder fixtures were replaced with the classic stepped-round 12' pole and smoked Plexiglas globe fixtures featured outside the building entrances and along most of the earlier campus walks. Today, the Student Center entrance plaza features tall lighting (15-18 ft.) with decorative contemporary fixtures paired on the corners where large tree planters had once enclosed the south end of the Quad's central green. Original louvered walkway lighting has been preserved within the walled edge between upper and lower levels of the Quad but their operable condition is currently unknown.

Surviving details such as the simple square iron tube handrails on the stairs remain like fine lines of distinction within the details of this modern-era detailed space. The trees of the central green include maple and locust planted when the infill project occurred. Shrubs within wide foundation beds are somewhat overgrown but still function to soften building lines and edges while adding depth and texture to selected perimeters.

### *Windbreaks*

An amazingly simple concept brought about by practical requirements of wind/weather protection with additional benefits of screening views. Farmers on the southwestern Minnesota prairie have been benefitting from Farm Service Agency assisted agricultural windbreaks for generations. Windbreaks designed on the SMSU campus stem from the same concept to provide shelter, interest and a connection to the region. Charles E. Wood was in his mid-to-late thirties when he was commissioned as the SMSU landscape architect in the late 1960s. He passed away September 14, 2013, but left a strong body of work as a visionary, practitioner and teacher of landscape architects. Charles became a Minnesota farm owner in 1972. He farmed actively throughout the rest of his career in landscape architecture. “Wood championed a strong belief in the in the concept of sustainable living in both agriculture and architecture. This core philosophy bridged his two careers and was reflected in his design projects.” – *Chuck Wood, (son to Charles senior)*

The windbreaks of the SMSU campus are an example of such a bridge within Wood’s sustainable design practice and his sustainable agriculture experiences. The native evergreen and deciduous species he specified to plant the windbreaks may have been more diverse when compared to the average farmer’s windbreak in the area, but the depth of species has endured a diversity of impacts and what remains is the vital space definition and protection on campus to this day. As a designer, Wood appears to have recognized his opportunity to implement simple strength of massing trees while incorporating deliberate techniques of place-making to achieve shelter, space definition and a formality of rural character.

Windbreak plantings were observed and photographed May 28<sup>th</sup>, 2015 by the author. Estimated age of most installations is between 28 and 30 years mature. Species found (partial list):

Deciduous - Sugar Maple, Red Maple, Green Ash, Redmond Linden, Hackberry  
Mid Story - Amur Maple  
Evergreen - Norway Spruce, Green Spruce

### **History:**

May 13, 1963 – A bill by MN Governor Karl Rolvaag established the new state college that became Southwest Minnesota State College (SMSC).

1964 – Howard Bellows becomes first president of SMSC.

1965 - Bellows had \$100,000 for planning and 219 acres when he began. Dick Hammel, of Hammel, Green and Abramson, Inc. (HGA Architects) worked on behalf of the State College Board assisting Bellows with an early campus plan. Hammel’s service to the State College Board concluded in 1968. HGA prepared a

preliminary development plan for SMSU. The selection process for architectural services produced the team of Walter Butler and Charles Wood to move forward.

1966 – Construction of the college begins.

September 18, 1967 – Campus opens with 44 faculty, 52 staff, and 509 students.

1968 – MN Governor Harold LeVander recognized Howard Bellow's work to create an architecturally barrier-free campus for the benefit of physically-disabled students. SMSC is one of the first colleges in the nation to be totally wheelchair accessible.

August 1, 1975 – SMSC is officially re-named Southwest State University (SSU).

Overview of original background and construction documents:  
Schoell & Madson Engineers & Surveyors – 1965 Property Line Survey

Walter Butler and Associates Company Architects & Engineers. -1966 Site Plan; Grading Plan. Nine of the eleven campus buildings that make up SMSU were designed out of this office. The primary courts described herein and the central quad was designed by this firm. A review of an early campus plan concept document by Chas. Wood reveals that Garden Courtyard and Central Quad were clearly defined and the other courtyards appear to have been defined, but with modifications to their exact layout and scale.

Charles Wood Associates, Inc. – Campus Landscape Architect of Record. Wood attended Iowa State University and Harvard Graduate School of Design class of 1959. Wood produced an early figure-ground landscape development concept for the college prior to working on the detailed documents for planting, landform and parking lot grading phases. The large scale figure-ground Development Concept provided a fully developed vision of the campus landscape with early building layout, roads and paths included. These conceptual design efforts remain in the campus archives and represent the preferred layout of the campus in the early days of its formation. In 1966, Wood produced a Master Planting Plan for the greater campus as well as the Central Quad and shelter belts. It was this consistency within the team of design professionals that produced a unified campus and provided clear direction during development and a clear reference for the future.

The main entrance to the campus lies close to the intersection of MN Highways 23 and 19. Initially, it was important to screen the highway noise and buffer the campus from the highway activity. The 500-car southeast lot was not the first planting project for the campus but it remains an important introduction to the campus due to its close proximity to the highway. Parking lot planting began with about 60 deciduous trees ranging in size between 2 inch to 4 inch caliper consisting mainly of green ash, but also with linden and maple varieties added.

It was fall of 1985 when former senator Wendell Erickson successfully led a special legislative appropriation of \$113,000 to fund the purchase of 2,000 trees for the campus. This prompted SMSU to contact Charles Wood Assoc. with a capital funds project that would lead to the design of the windbreaks on campus. Prior to this, the windy conditions had been persistent enough to cause energy consumption/loss issues as well as complaints from students and faculty about their outdoor comfort levels. Ten years after the windbreak project had been implemented, some effortful maintenance had been necessary to maintain the windbreaks in a formal and consistent state. As a follow-up to the project record, Charles was contacted to advise university staff on maintenance and appearance for their installation(s) and possibly to send photos of other windbreaks to exemplify a semi-mature installation. Mr. Wood responded by photographing a windbreak from his own farm containing the same species of trees that had been planted about ten years prior. He forwarded his follow-up response around 1997 and that may have been the last official correspondence his office had with the university.

**Sources:** The SMSU campus Director of Facilities and Physical Plant (1980 to present), Cyndi Holm, has preserved much of the original development plans and records on file and must be credited for preserving the campus landscape within a reasonable extent allowable by budget; and even beyond reasonable extent by rejecting some ideas for change that would have interfered with the original design intent. A Facilities and Physical Plant partial reference list of record drawings is attached.

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[A History of Southwest State University: The Creation of a College and University 1956 – 1996](#) (on its 30<sup>th</sup> anniversary in 1996). by Richard H. Jorgensen. Self-Published.

[A New College on the Prairie: Southwest State University's First Twenty-five Years, 1967-1992.](#) by Joseph A. Amato with John Radzilowski. Crossings Press, Longmont, CO; Marshall, MN.

USGS high-resolution orthoimage: 4409534\_ne.

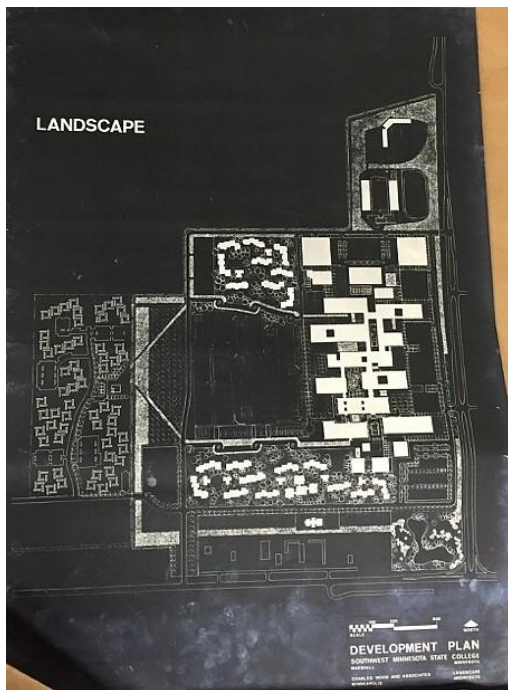
Lyon Co. Interactive Map, GeoMOOSE 2.2, MN Geospatial Information Office

Charles Wood Associates, c/o Mrs. Ann L. Wood.

**Historian:** A. Graham Sones, LLA, ASLA  
SGA Group, Inc., 1409 Willow Street, Suite 110  
Minneapolis, MN 55403  
(612) 353-6460 · [graham@sgagroupinc.com](mailto:graham@sgagroupinc.com)  
Form completed: September 29, 2015



1973 aerial photo captures the SMSU campus viewing east-northeast. Photo of original photo by Henry Kyllingstad (©SMSU Archival Records) taken by the author 5/28/2015.



Mid 60s (possibly 1966) figure-ground SMSU Campus Landscape Development Plan by Charles Wood Associates, Inc. Source: SMSU record copy of a Charles Wood Assoc. document.





1969 Central Quad shows conditions open to the south with construction staging under way for student housing to extend west. Photo of original photo by Henry Kyllingstad (©SMSU Archival Records) taken by the author 5/28/2015.



Central Quad, south end of the flush-condition central green. Photo by the author 5/28/2015.



1969 Central Quad, north end and Bellows Academic Center entrance terrace. Photo of original photo by Henry Kyllingstad (©SMSU Archival Records) taken by the author 5/28/2015.

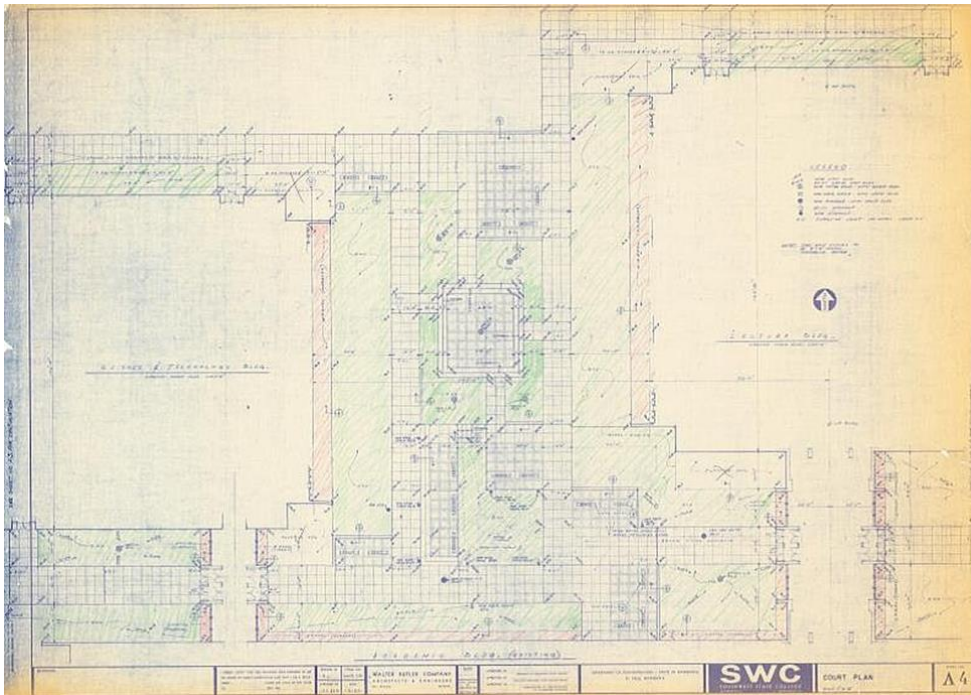


Central Quad, north Bellows Academic Center entrance terrace. Photo by the author 5/28/2015.





1973 Garden Courtyard during construction of the Science and Math Building. Photo of original photo by Henry Kyllingstad (©SMSU Archival Records) taken by the author 5/28/2015. Court Plan (below) records, SMSU Facilities and Physical Plant.





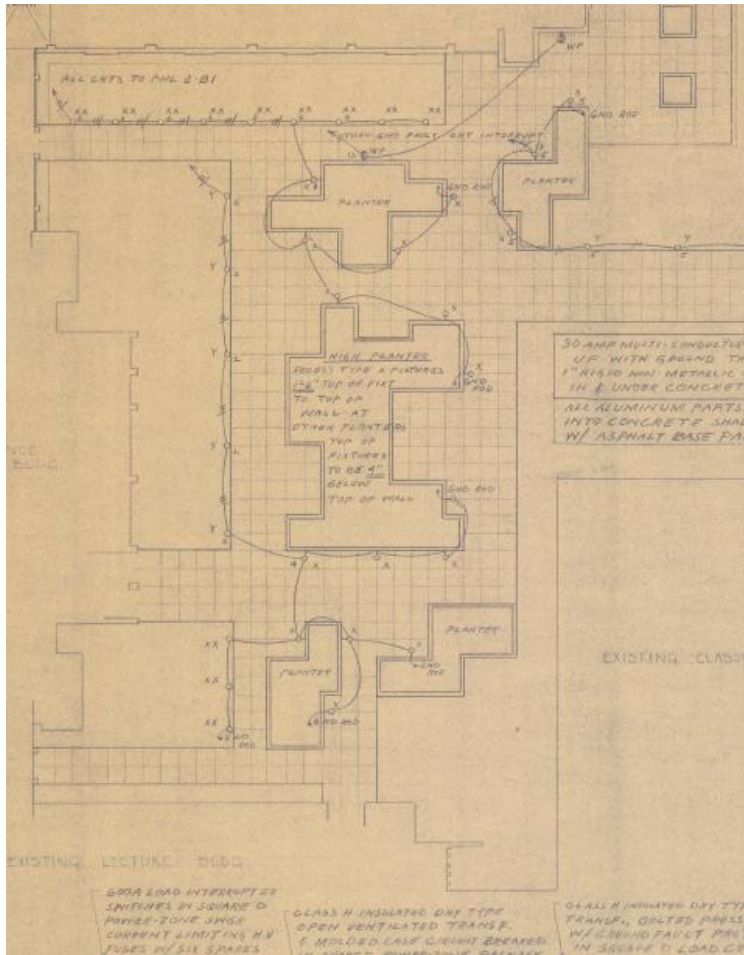


Garden Courtyard. View southwest from the Science and Math Building. Photo by the author 5/28/2015.





Social Science Courtyard, built 1973. Source: Minnesota Geospatial Information Office, using digital orthoimagery supplied by Surdex Corporation, mid-April 2011.



Courtyard by Social Science Building to the north and Science & Math to the west (1972 site electrical plan view). Photo courtesy of SMSU Facilities and Physical Plant.



Social Science Courtyard, raised planter beds and seating. View northeast from the Science and Math Building. Photo by the author 5/28/2015.



East Courtyard between Charter Hall to the west and Individualized Learning Center to the northeast; built 1972. Source: Minnesota Geospatial Information Office, using digital orthoimagery supplied by Surdex Corporation, mid-April 2011.





East Courtyard, view from north. Photo by the author 5/28/2015.



SMSU North central campus aerial photo. Science & Math, Social Science, Individualized Learning Center, mid-eighties windbreak planting. Source: USGS high-resolution orthoimage.



Windbreak planting, east of Social Science building. Photo by author 5/28/2015.





Windbreak planting, east of Social Science building. Marshall High School is shown beyond SMSU to the east. Photo by author 5/28/2015.



Windbreak planting, west of Science and Math building. Photo by author 5/28/2015.





SMSU south campus aerial photo. Student housing, Athletics, Student Center, Central Quad, southeast parking lot. Source: USGS high-resolution orthoimage.



An early concert held at the Central Quad, undated. Original Photo by Dan Setterberg; (©SMSU Archival Records). Above right: Charles E. Wood, (family photo); 5/12/1933 – 9/14/2013. Landscape Architect. Bachelor of Science in Landscape Architecture (BSLA), Iowa State University, Ames, IA. In 1959, Wood graduated with a Master of Landscape Architecture (MLA) from Harvard Graduate School of Design where he had studied under the guidance of Hideo Sasaki.

The appendix that follows was provided by permission as a partial list of (site-related) record drawings on file at SMSU. The final page, second entry from the end, lists “*Dick Mornell’s start of a master plan*”. The author has verified this as an error and the actual name should be Dick Hammel.

**END**

APPENDIX

PARKING LOTS, ROADS, AND STREET LIGHTING BLUEPRINTS

<u>LOCATION</u>	<u>BLUEPRINT TITLE</u>	
Metal cabinet Drawer 5	<u>Construction Plans for Gravel Base and Bituminous Surfacing of Road C.</u> Complete set of prints – sheet 1-4.	
Metal cabinet Drawer 6	<u>East College Drive Area Trunk Highway No. 19 &amp; 23 - Proposed Pedestrian Walk-way Systems For Handicapped Individuals</u> From: Duane Aden, Marshall, MN 1 sheet	1976
3a	<u>Parking Area and Walkway Development</u> by: Charles Wood	1970
print rack	<u>Parking Area and Walkway Development</u> by: Charles Wood Complete set of prints – Sheets 1, L1-4, M1-2, E1-3.	1970
Metal cabinet Drawer 6	<u>Parking Lot and Road Work</u> by: Walter Butler Sheets 1-9	1968
4d	<u>Sitework, Road "C" and Driveway Paving, Lighting And Appurtenant Work (road "C" is the service road West of the academic buildings – from the tennis courts To the Maintenance Building)</u> By: State of Minnesota Sheets 1,2,3	1975
Metal cabinet Drawer 5, 4d	<u>Sitework, Road "C" and Driveway Paving, Lighting And Appurtenant Work</u> Sheets 1-3 (1 check set and 1 final set) in drawer 5 And sheets 2-3 in 4d.	1975
Metal cabinet Drawer 9	<u>Street Lighting</u> by: Walter Butler Sheets 301, 302	1968
3c	<u>Tennis Court Layout, Parking Lots 1 &amp; 2 and Details, Proposed Grading – Athletic Area, Softball Fields – Play Fields &amp; Details.</u>  Not Final Drawings.	

ATHLETIC FIELDS & FACILITIES

<u>LOCATION</u>	<u>BLUEPRINT TITLE</u>	
7b	<u>Athletic Field – Layout &amp; Grading Study</u> by: Charles Wood Sheet 1 of 1.	1967
3b	<u>Athletic Fields</u> by: Walter Butler 3 sheets	
metal cabinet drawer 9	<u>Landscaping &amp; Track Detail Sheets</u> by: Charles Wood Sheets L1-7	1971
1a	<u>Manhole Construction – storm sewer around tennis court area.</u> 5 Sheets. (1 sheet contains information on the construction of tennis courts)	
1a, 3a (3a has steel shops)	<u>Physical Education Facilities</u> (information on site grading & layout, track, football field, bleachers, water and drainage system) by: Charles Wood Complete set of prints: Sheets L1-8, M1-8, E1-2.	1971
1a	<u>Physical Education Facilities</u> landscaping information on the track and baseball diamond. by: Charles Wood 7 sheets	1971
3c	Tennis Court Layout, Parking Lots 1 & 2 and details, proposed grading - athletic area, softball fields - play fields and details. NOT FINAL DRAWINGS	
3c	<u>Tennis Court Survey</u> 1 Sheet	1985
3a	<u>Track Conversion to Metric</u> by: State of Minnesota sheets 1,2,3, of 3	1980

MISCELLANEOUS BLUEPRINTS

<u>LOCATION</u>	<u>BLUEPRINT TITLE</u>	
Metal cabinet Drawer 6	<u>Arboretum – Site A. Planting Plan</u> by: Charles Wood Sheets 1, 2, 2I, 3I.	1970
3I	<u>Development Plan</u> (Black paper with white print) by: Charles Wood 1 sheet.	
4j	<u>Floor Plans</u> drawn for campus maps – of each building.	
Metal cabinet Drawer 9	<u>Improvement of Branch No. 10, County Ditch No. 60</u> Complete set of prints – sheets 1, 2, 3.	
Metal cabinet Drawer 6	<u>Plans – Improvement of Branch 10, County Ditch No. 60 Lyon County, MN</u> 1 sheet	1972
4h	<u>Planting Plans for : Phase I (1966); Shelter Belt (1966); BA/FA/PE court (1966); Master Landscape Plan</u> by: C. Wood Associates sheets: Phase I – sht 1 of 1; Shelter belt – sheets 1 & 2 of 2; Court – sheet 1 of 1	
metal cabinet drawer 6	<u>Planting Plan (LC, ST, LC-ST-BA-SM courtyard)</u> sheets P1-2	1970
5c	<u>Proposed Campus Site Plan</u> 5 sheets – floor plans and elevations.	1965
1h	<u>Simplex Central Operations Panel Wiring Diagram</u>	
metal cabinet drawer 9	<u>Site Plan</u> by: Walter Butler 1 Sheet – page #2.	1966
Metal cabinet Drawer 6	<u>Southwest State College Master Plan.</u> (Building Layout) – 1 sheet.	
10h, 5c	<u>Southwest State College Preliminary Development Plan.</u> 2 sheets in 10h, 1 sheet in 5c (by Hammel Green and Abrahamson)	
Metal cabinet Drawer 6	<u>SSU Grid System</u> - grid marker locations & ties by: K.B. MacKichan & Associates 1 sheet	9/1970
4I	<u>New Telephone Equipment Room</u> (ground floor link - PE to BAC) By: Walter Butler Sheet R1	1970
3I	<u>Tennis Court Fence – Worthington Community College</u>	



metal cabinet drawer 9	<u>Wind &amp; Rain Monitor – Wiring Diagram</u> by: Ickes Braun Glasshouses 1 sheet	1973
metal cabinet drawer 6	<u>Windbreak – Schematic Design</u> (preliminary location of trees & comfort zones after windbreak is 7 years old and approximately 20 ft. high) by: Charles Wood Sheets 1-2 (2 sheets of page 1)	1985
3a	<u>Windbreak – Preliminary Design</u> by: Charles Wood Sheet 1 of 1	1985
3a	<u>Windbreak – Schematic Design</u> by: Charles Wood 3 sheets of sheet #1	1985
1h	<u>Wiring Diagrams – Johnson Control Board, etc.</u> Several sheets – not in good condition	
10j	Original Site Survey	
10j	Dick Mornell's start of a master plan 2 sheets of same info.	
SC	Site plan info – used for preliminary development of 2000 campus master plan	



### Highway 23 and Tiger Drive – Roundabout

#### How does this improvement address our areas of concern?

- Has less conflict points than conventional intersection designs. In particular, reduces severe crossing conflicts.
- Reduces the number of directions in which drivers are required to look for conflicting traffic.
- Calms traffic (i.e. reduce speeds) along roadways by using geometric design rather than traffic control devices.
- Provides a transition between high-speed rural and low-speed urban environments.
- Provides a safe at-grade crossing for pedestrians and bicyclists.

LEGEND

- PROPOSED GEOMETRICS
- - - INPLACE R/W
- - - INPLACE PROPERTY LINE
- ROADWAYS
- LANDSCAPED MEDIAN
- RAISED MEDIAN & CURBS
- TRUCK APRON

