

Roof Drawing Index
St Paul West District

Last Updated: 3/12/2014

Bldg No	Building Name	Plan view Drawing	Roof Penetrations Drawing	Date Assessed
058	ST. ANTHONY FALLS LABORATORY	Y	Y	10/1/2003
059	SOUTHEAST STEAM PLANT [NO SURVEY]	N	N	
094	SHOWBOAT, CENTENNIAL [NO SURVEY]	N	N	
095	EASTCLIFF / PRESIDENTS HOUSE	N	N	
098	UNIVERSITY STORES SOUTH	Y	Y	8/13/2013
099	COMO RECYCLING FACILITY	N	N	12/13/2011
113	FOOD OPERATIONS BUILDING	Y	Y	8/13/2013
117	HEAVY EQUIPMENT BUILDING	N	N	
119	STEAM UTILITIES BUILDING [NO SURVEY]	N	N	
120	PILLSBURY COURT [see Housing report*]	Y	Y	12/8/2010
121	UNIVERSITY STORES NORTH	N	N	
123	WASHINGTON AVE PED BRIDGE [NO SURVEY]	Y	Y	8/13/2013
134	PRINTING SERVICES BUILDING	N	N	
135	URBAN RESEARCH & OUTREACH CTR [NO SURVEY]	Y	Y	8/13/2013
140	MN GEOLOGICAL SURVEY	N	N	
150	COMO COMMUNITY CENTER [see Housing report]*	Y	Y	11/1/2010
151	COMO MARRIED STUDENT HOUSING [see Housing report]*	Y	Y	11/1/2010
154	REUSE PROGRAM AND AHC WAREHOUSE	N	N	
166	LANDCARE STORAGE [NO SURVEY]	N	N	
171	COMMUNITY UNIVERSITY HEALTH CARE CENTER	N	N	
179	CUHCC TRAILERS [NO SURVEY]	N	N	
185	FLEET SERVICES FACILITY	N	N	
201	HELLER HALL, WALTER W.	Y	N	12/9/2010
202	SOCIAL SCIENCES BUILDING	Y	Y	8/13/2013
203	BLEGEN HALL	Y	N	12/7/2010
204	WILSON LIBRARY, O. MEREDITH	Y	Y	7/1/2003
205	ANDERSON HALL	Y	Y	8/13/2013
207	WILLEY HALL	Y	Y	8/13/2013
208	MIDDLEBROOK HALL	Y	Y	8/13/2013
209	RARIG CENTER	Y	Y	8/13/2013
210	SPORTSFIELD SERVICE BUILDING	Y	Y	8/13/2013
211	MONDALE HALL	Y	Y	8/13/2013
212	WEST BANK SKYWAY	N	N	9/29/2011
213	WEST BANK STUDENT HOUSING	N	N	
214	TWENTY-FIRST AVENUE RAMP	N	N	
215	FERGUSON HALL	Y	Y	8/13/2013
216	HUMPHREY SCHOOL OF PUBLIC AFFAIRS	Y	Y	8/13/2013
217	19TH AVENUE PARKING RAMP	N	N	
218	WEST BANK OFFICE BUILDING	Y	Y	8/13/2013
219	WEST BANK OFFICE BUILDING PARKING RAMP	N	N	
220	ANDERSEN LIBRARY, ELMER L.	Y	Y	8/13/2013

241	REGIS CENTER FOR ART - EAST	Y	Y	8/13/2013
242	REGIS CENTER FOR ART - WEST	Y	Y	8/13/2013
247	BARKER CENTER FOR DANCE, BARBARA**	Y	Y	8/13/2013
249	CARLSON SCHOOL OF MANAGEMENT	Y	Y	8/13/2013
250	HANSON HALL, HERBERT M., JR.	Y	Y	8/13/2013
264	HORIZONTAL GROUNDWATER RECOVERY WEL [NO SURVEY]	Y	Y	8/13/2013
273	TED MANN CONCERT HALL	Y	Y	8/13/2013
302	BEEF AND CATTLE	Y	Y	5/1/2010
318	METERING STATION	Y	Y	8/13/2013
322	COFFEY HALL	Y	Y	5/1/2010
326	POMEROY STUDENT-ALUMNI LEARNING, BEN	Y	Y	5/1/2010
332	CATTLE FEEDING SHED NO 1 [NO SURVEY]	Y	Y	1/1/2001
333	CATTLE FEEDING SHED NO 2 [NO SURVEY]	Y	Y	1/1/2001
334	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	Y	Y	5/1/2010
335	ENGINEERING AND FISHERIES LABORATORY	Y	Y	5/1/2010
338	MCNEAL HALL	Y	Y	5/1/2010
340	WELL AND PUMPHOUSE, EXPERIMENTAL PL [NO SURVEY]	N	N	
342	ST. PAUL GYMNASIUM	Y	Y	5/1/2010
343	BOTANY FIELD HOUSE	Y	Y	8/13/2013
345	AGRONOMY SEED HOUSE	Y	Y	5/1/2010
348	QUARANTINE BARN	Y	Y	8/13/2013
349	TURF MANAGEMENT CENTER, GOLF COURSE [NO SURVEY]	Y	Y	1/1/2001
350	HAECKER HALL	Y	Y	5/1/2010
351	HOG BARN	Y	Y	5/1/2010
352	SNYDER HALL	Y	Y	5/1/2010
353	KUOM / RADIO AND TV TRANSMITTER FACILITY	Y	Y	1/1/2001
354	GOLF COURSE CLUBHOUSE	Y	Y	8/13/2013
355	FARM CROPS FIELD HOUSE	Y	Y	5/1/2010
356	BEE LABORATORY	Y	Y	1/1/2004
357	GREEN HALL	Y	Y	5/1/2010
360	DRIVING RANGE BUILDING, GOLF COURSE [NO SURVEY]	N	N	
364	HAYES HALL	Y	Y	5/1/2010
365	STAKMAN HALL	Y	Y	5/1/2010
369	PLANT GROWTH FACILITIES - WEST [NO SURVEY]	Y	Y	8/13/2013
370	PLANT GROWTH FACILITIES - WEST	Y	Y	5/1/2010
371	VETERINARY MEDICAL CENTER SOUTH	Y	Y	5/1/2010
372	PETERS HALL	Y	Y	5/1/2010
373	MAGRATH LIBRARY	Y	Y	5/1/2010
374	VETERINARY SCIENCE	Y	Y	5/1/2010
376	STUDENT CENTER	Y	Y	8/13/2013
378	PUMPHOUSE 3	Y	Y	8/13/2013
379	FACILITIES MANAGEMENT	Y	Y	5/1/2010
381	FOOD SCIENCE AND NUTRITION	Y	Y	5/1/2010
382	SOILS	Y	Y	5/1/2010
383	BAILEY RESIDENCE HALL [see Housing report]*	Y	Y	11/1/2010
384	COMMONWEALTH TERRACE CO-OP [see Housing report*]	Y	N	
385	VETERINARY DIAGNOSTIC LABORATORY	Y	Y	5/1/2010

386	VETERINARY ISOLATION BUILDINGS	Y	Y	5/1/2010
387	KAUFERT LABORATORY	Y	Y	5/1/2010
388	CROP SERVICE BUILDING	Y	Y	5/1/2010
389	CROPS RESEARCH BUILDING	Y	Y	5/1/2010
390	BAILEY DINING CENTER	N	N	
392	SHEEP RESEARCH	Y	Y	5/1/2010
393	HODSON HALL	Y	Y	8/13/2013
394	ALDERMAN HALL	Y	Y	5/1/2010
396	CHRISTENSEN LABORATORY	Y	Y	5/1/2010
397	VETERINARY ANIMAL FACILITY	Y	Y	5/1/2010
410	GORTNER LABORATORY	Y	Y	5/1/2010
411	BIOLOGICAL SCIENCE	Y	Y	5/1/2010
412	RUTTAN HALL (FORMER CLASSROOM OFFICE BLDG)	Y	Y	5/1/2010
413	BOSS LABORATORY OF MEAT SCIENCE, A. B.	Y	Y	5/1/2010
414	BIOLOGICAL SCIENCE GREENHOUSE	Y	Y	8/13/2013
415	PLANT GROWTH FACILITIES - WEST	Y	Y	5/1/2010
416	ANIMAL SCIENCE/VETERINARY MEDICINE	Y	Y	5/1/2010
417	LARGE ANIMAL HOLDING	Y	Y	5/1/2010
418	COMMONWEALTH TERRACE COMM CTR [NO SURVEY]	N	N	
419	RESEARCH ANIMAL RESOURCES BUILDING	Y	Y	5/1/2010
420	CONTINUING EDUCATION CENTER, EARLE BROWN	Y	Y	5/1/2010
422	ANIMAL ARENA	Y	Y	5/1/2010
423	AGRONOMY AND PLANT GENETICS GREENHOUSE	Y	Y	5/1/2010
424	RESEARCH WEATHER STATION	Y	Y	8/13/2013
425	FARM AND GROUNDS MAINTENANCE BUILDING	Y	Y	5/1/2010
426	LEARNING AND ENVIRONMENTAL SCIENCES	Y	Y	5/1/2010
427	VETERINARY MEDICAL CENTER NORTH	Y	Y	5/1/2010
428	ROBBIE STADIUM SUPPORT BUILDING	Y	Y	8/13/2013
429	BORLAUG HALL	Y	Y	5/1/2010
430	DAIRY CATTLE TEACHING & RESEARCH CENTER	Y	Y	8/13/2013
431	ANIMAL WASTE TREATMENT CENTER	Y	Y	8/13/2013
432	AGRONOMY GREENHOUSE CLASSROOM	Y	Y	5/1/2010
433	FIELD OPERATIONS BUILDING	Y	Y	1/1/2000
434	GABBERT RAPTOR CENTER	Y	Y	5/1/2010
435	TURF SHED [NO SURVEY]	Y	Y	1/1/2003
436	MINNESOTA MOLECULAR AND CELLULAR THERAPY	Y	Y	5/1/2010
437	SKOK HALL	Y	Y	5/1/2010
438	ECOLOGY BUILDING	Y	Y	5/1/2010
439	CARGILL BLDG-MICROBIAL & PLANT GENO [NO SURVEY]	Y	Y	5/1/2010
440	ST PAUL CHILLER PLANT [NO SURVEY]	Y	Y	
445	FITCH AVE UTILITY BLDG	Y	Y	
455	SWINE RESEARCH FACILITY	Y	Y	5/1/2010
456	ANIMAL SHELTER [NO SURVEY]	Y	Y	1/1/2002
463	POULTRY TEACHING AND RESEARCH FACILITY	Y	Y	5/1/2010
464	AG AND LANDSCAPE STORAGE	N	N	
468	BREEDING HOUSE	Y	Y	5/1/2010
471	SEED STOCKS	Y	Y	1/1/2000

472	SEED STORAGE SOUTH [NO SURVEY]	Y	Y	1/1/2004
473	SEED STORAGE NORTH [NO SURVEY]	Y	Y	1/1/2004
474	MN CROP IMPROVEMENT CTR [NO SURVEY]	Y	Y	1/1/2004
478	AGRICULTURAL CHEMICAL STORAGE BUILDING	Y	Y	5/1/2010
481	ROBBIE STADIUM, ELIZABETH LYLE	Y	N	
483	GORTNER AVENUE RAMP	N	N	
485	PLANT GROWTH FACILITIES - EAST [NO SURVEY]	Y	Y	5/1/2010
486	EQUINE CENTER, LOUIS AND DOUG LEATHERDALE	Y	Y	5/1/2010
143		118	114	

*Roof Drawings organized into (4) Packages; East Bank, St Paul / West, Health Sciences & Housing

**Drawings available under separate cover (available upon contract award)

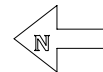
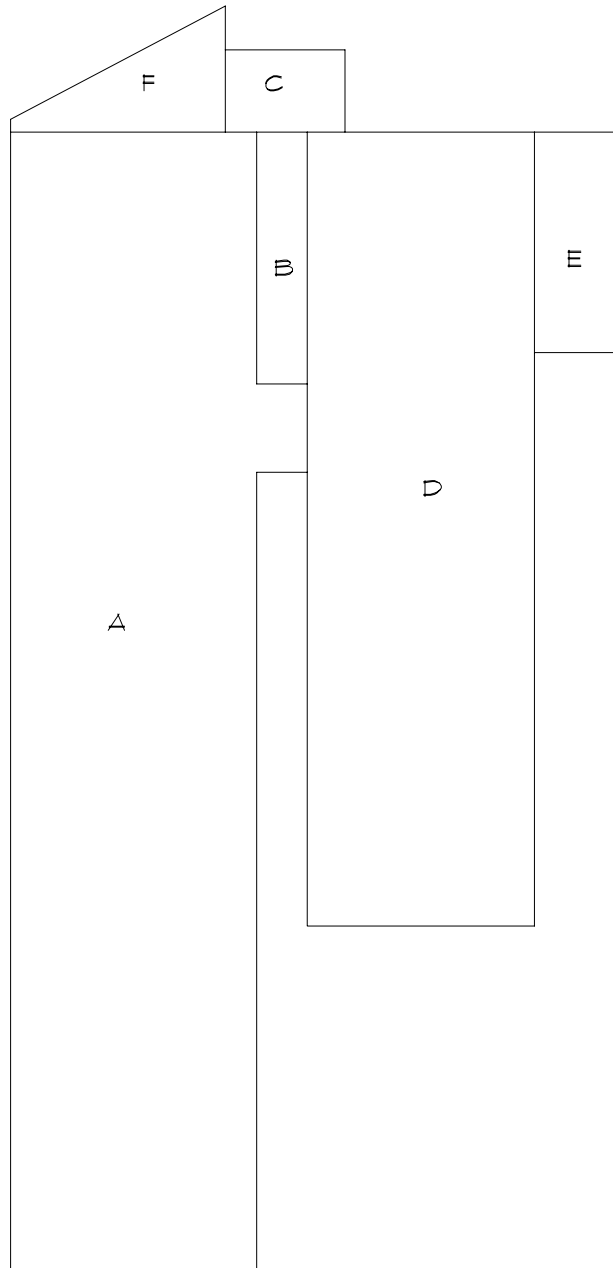
Roof ID

Building: WB058 - St. Anthony Falls Hydraulic Bldg - (830 Main Street SE)

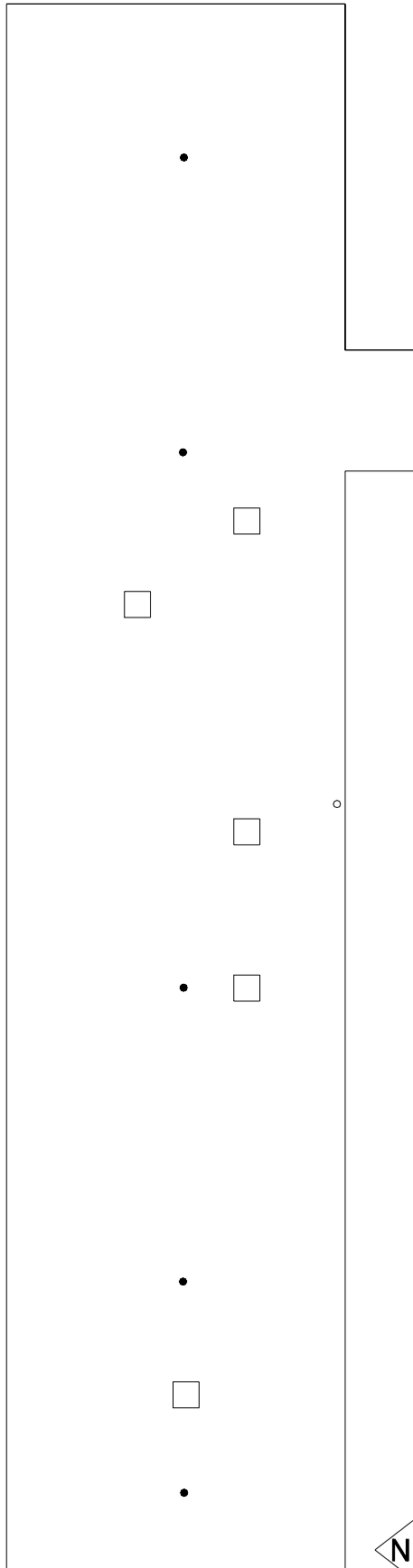
Total Area: 13,107 sf

A	<u>7,157</u> sf	F	<u>357</u> sf
B	<u>320</u> sf		
C	<u>247</u> sf		
D	<u>4,536</u> sf		
E	<u>490</u> sf		

SYMBOLS KEY

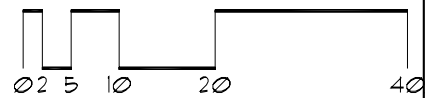
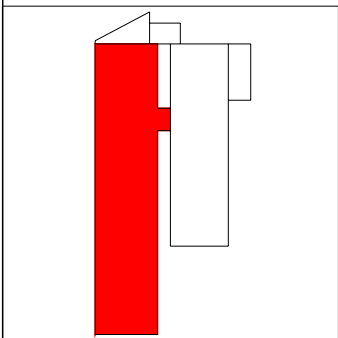


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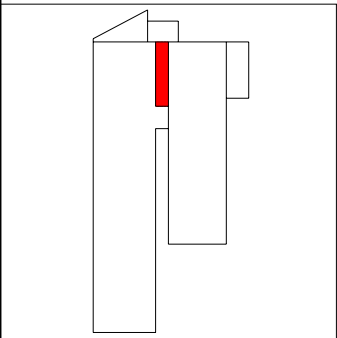
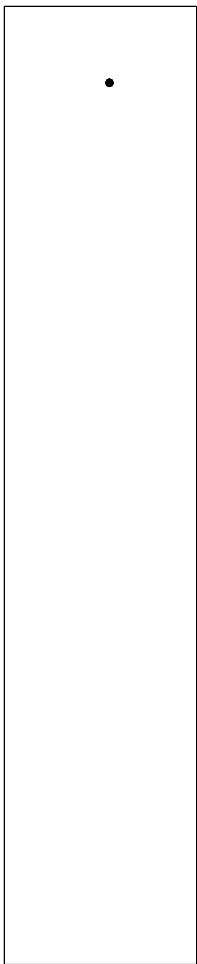


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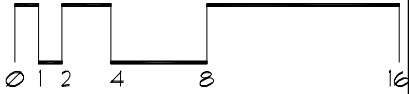
- VENT STACK
- ROOF DRAIN
- ROOF CURB



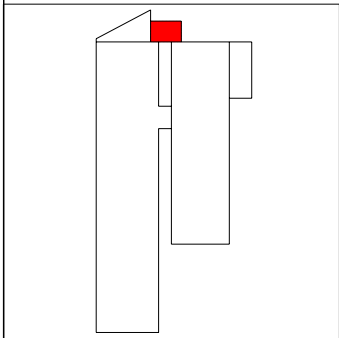
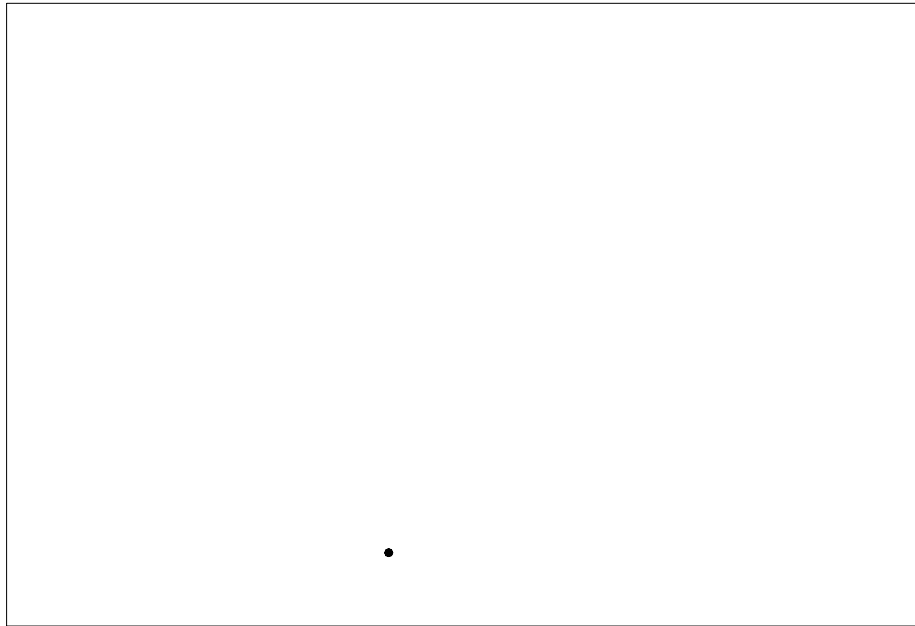
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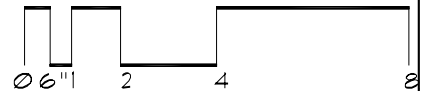
SYMBOLS KEY
● ROOF DRAIN



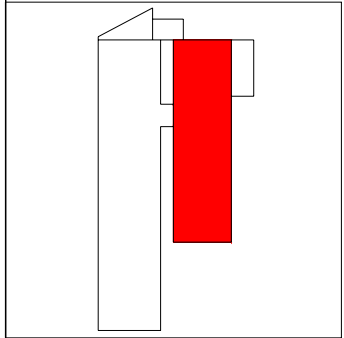
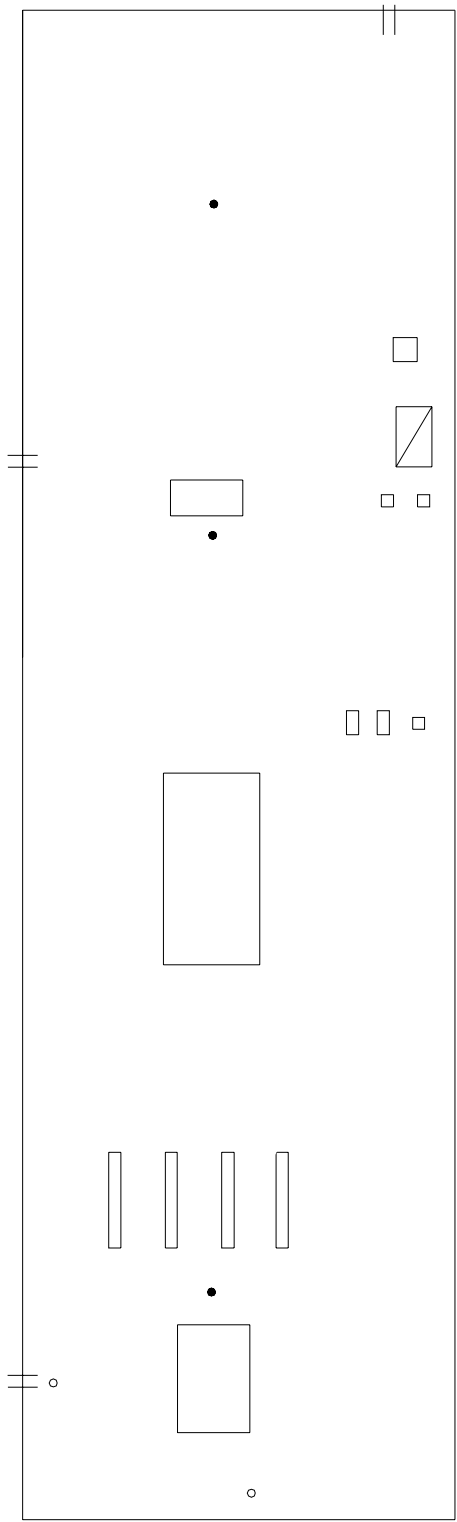
Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN

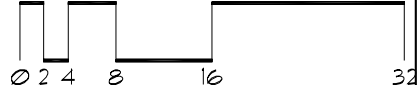


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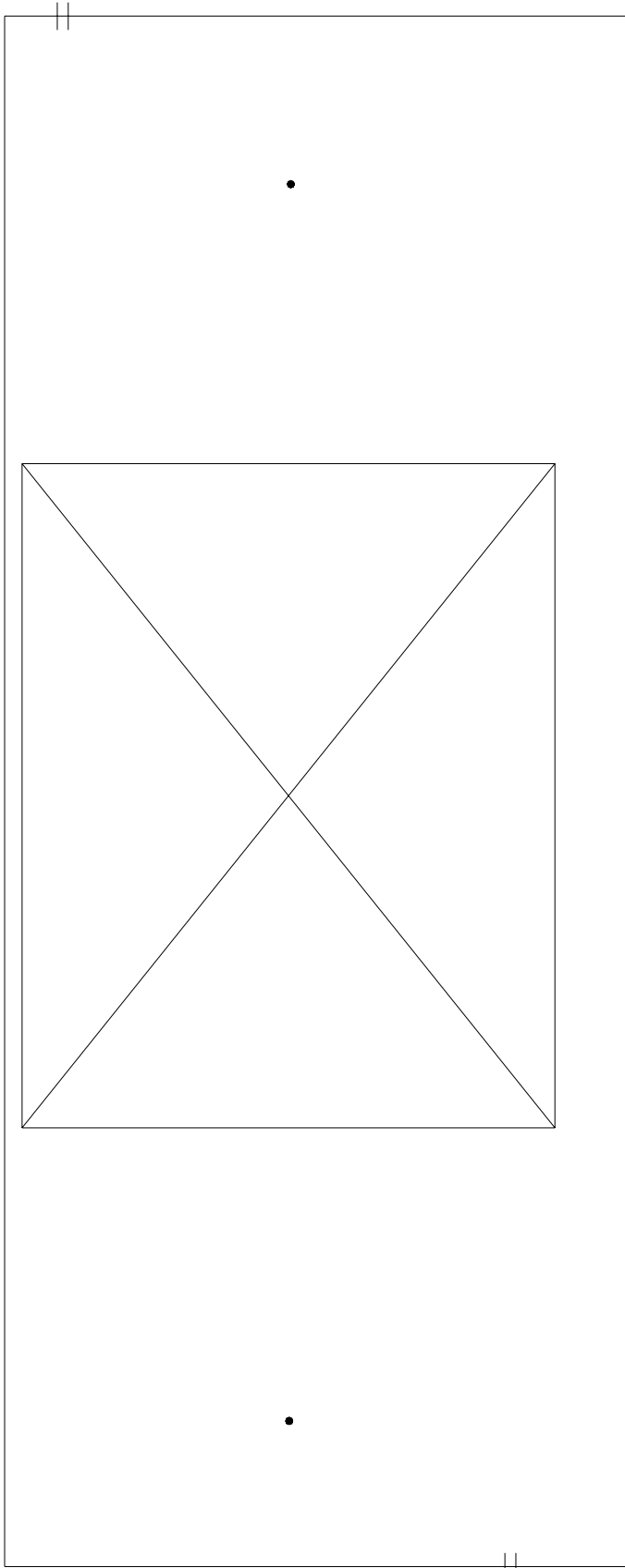


SYMBOLS KEY

- † SCUPPER
- VENT STACK
- ROOF DRAIN
- ROOF CURB
- ▣ ROOF HATCH

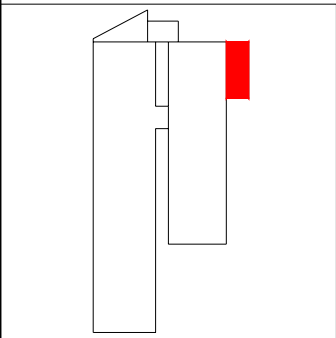


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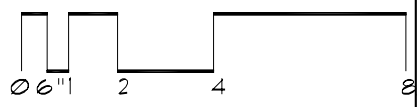
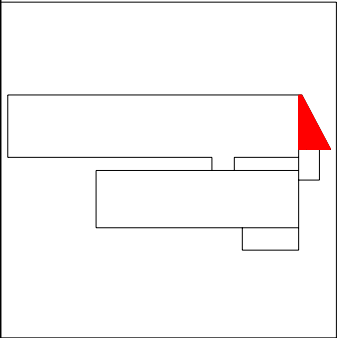
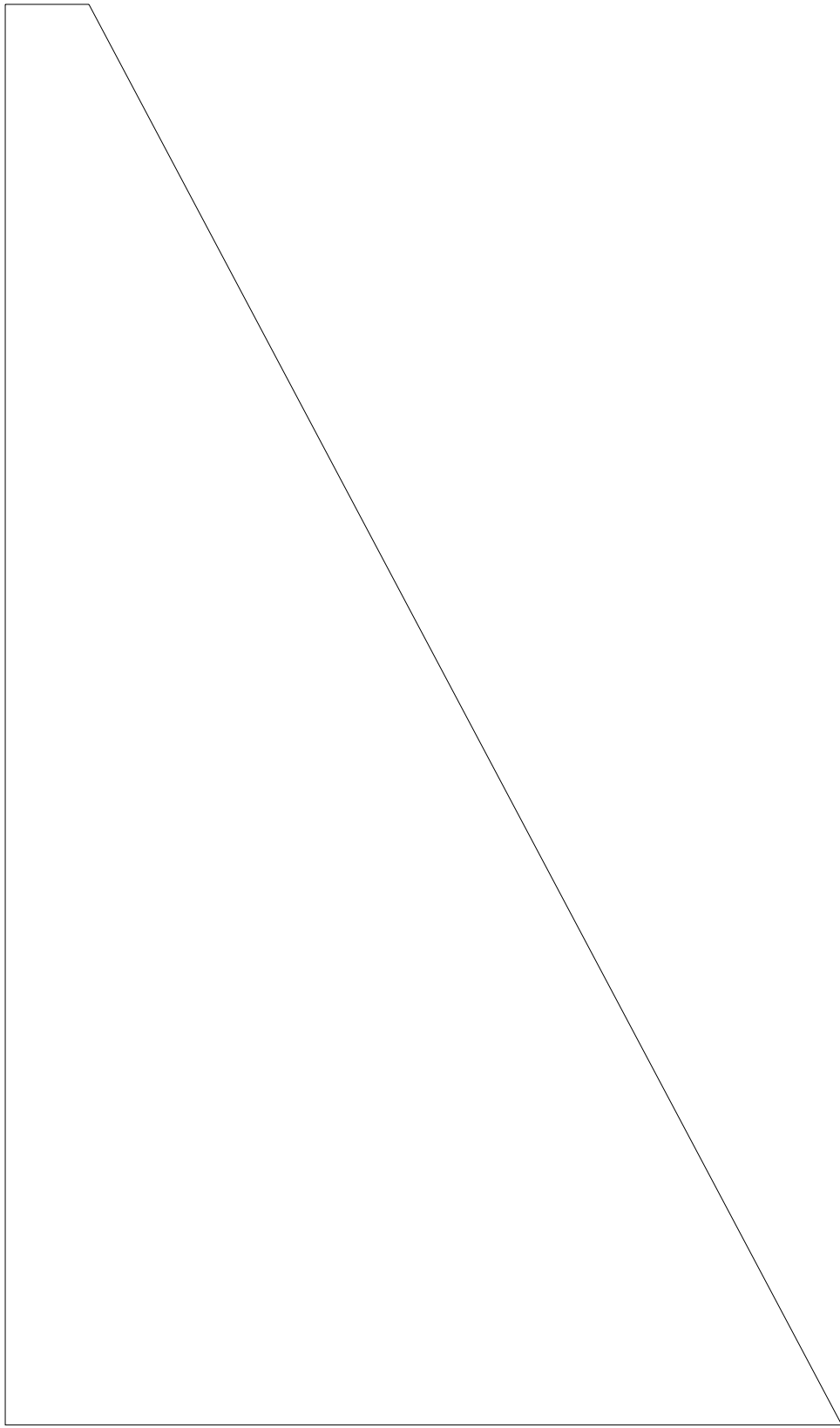


SYMBOLS KEY

- || SCUPPER
- ROOF DRAIN
- ☒ SKYLIGHT



Roof Corrective Action



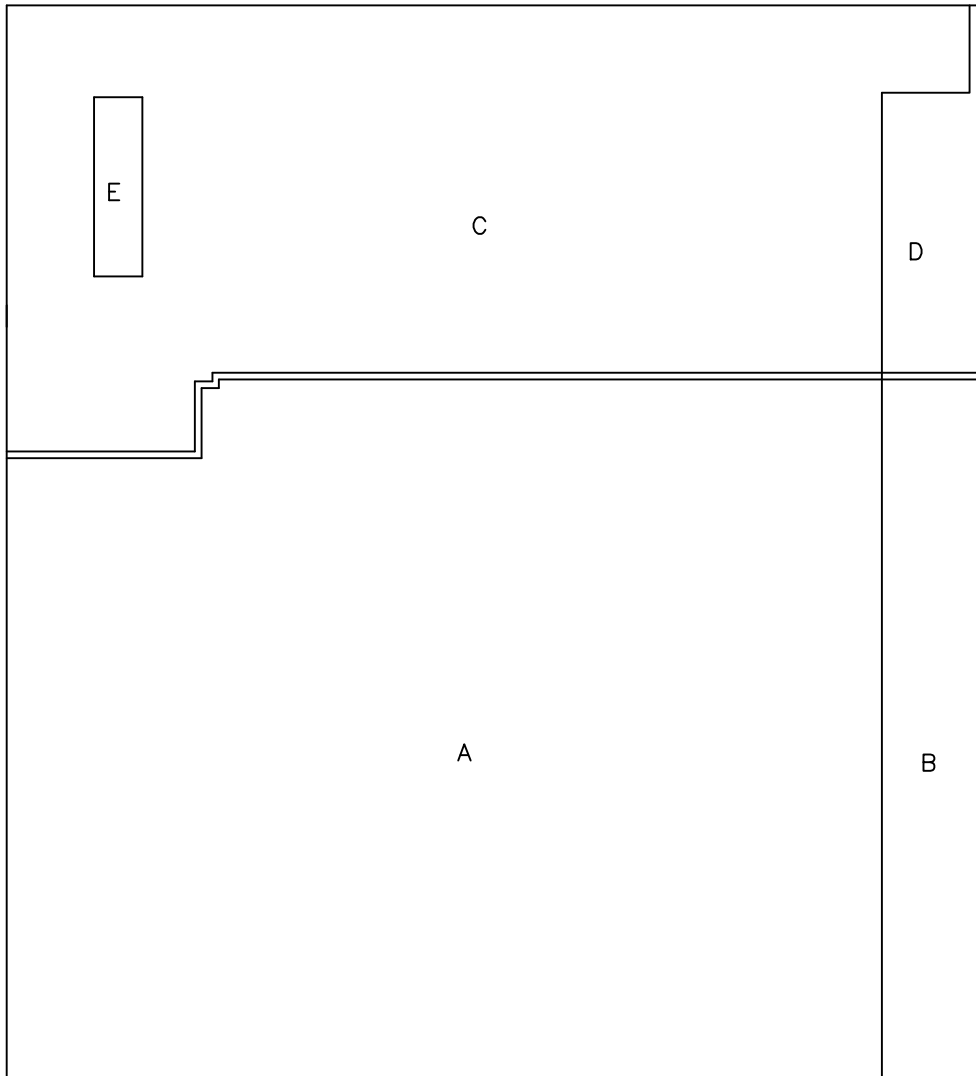
Roof ID

Building: 01.098 - University Stores South - (879 29th Avenue SE)

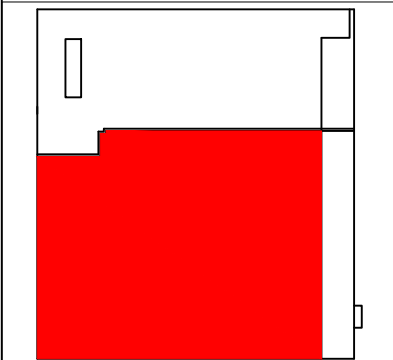
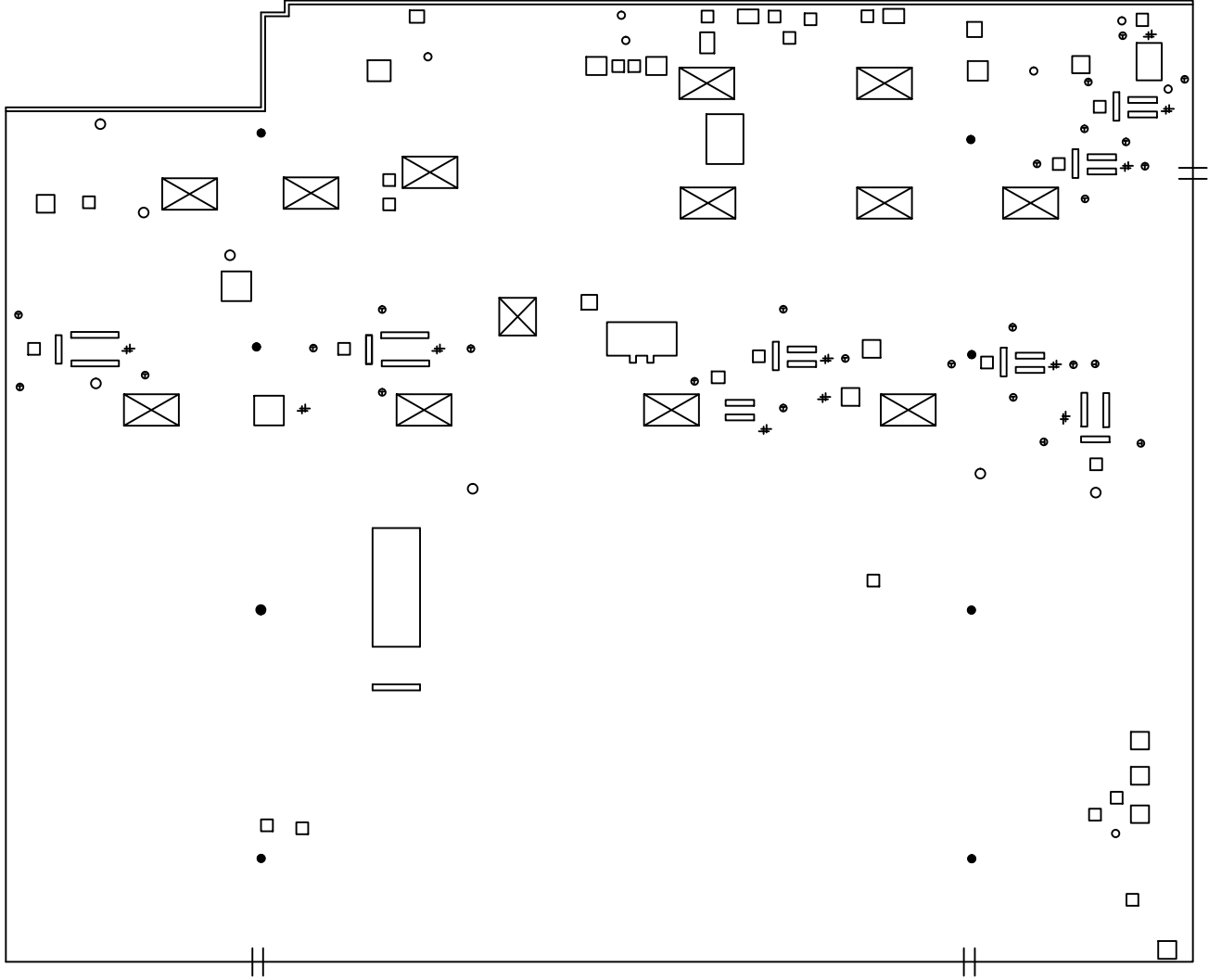
Roof Access: 1st floor ship's ladder to roof door

Total SF: 56,137 sf

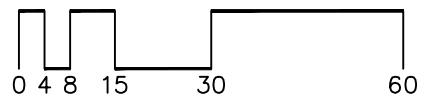
<u>A:</u>	<u>32,111 sf</u>
<u>B:</u>	<u>3,692 sf</u>
<u>C:</u>	<u>18,351 sf</u>
<u>D:</u>	<u>1,532 sf</u>
<u>E:</u>	<u>451 sf</u>



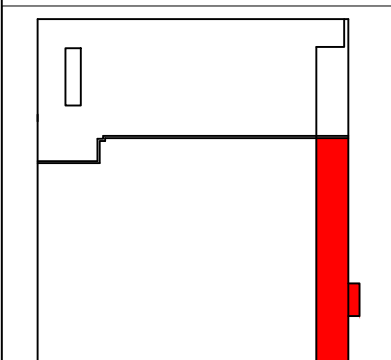
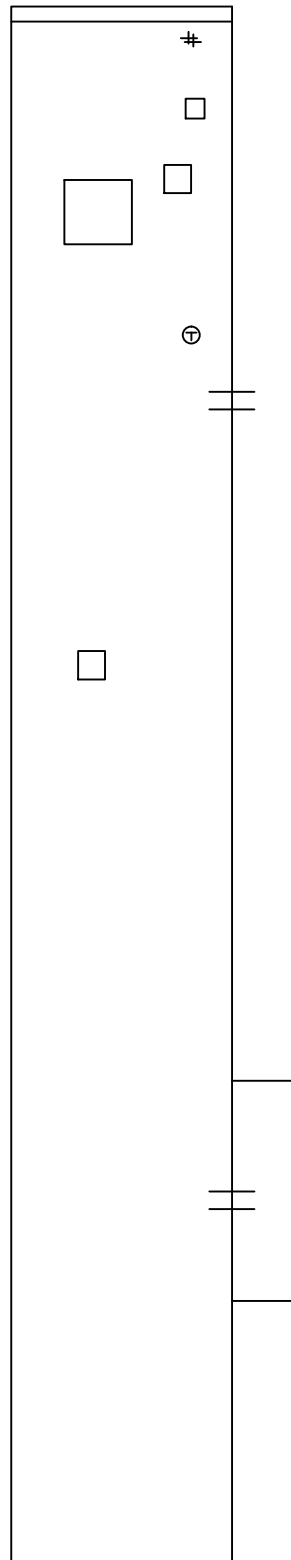
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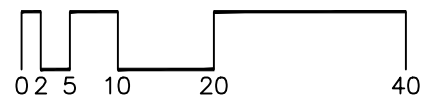
- SYMBOLS KEY
- ROOF CURB
 - # PITCH PAN
 - ⊥ SCUPPER
 - VENT
 - ⊕ ROOF ANCHOR
 - ⊗ SKYLIGHT
 - ROOF DRAIN



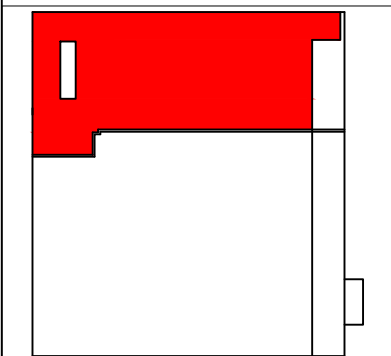
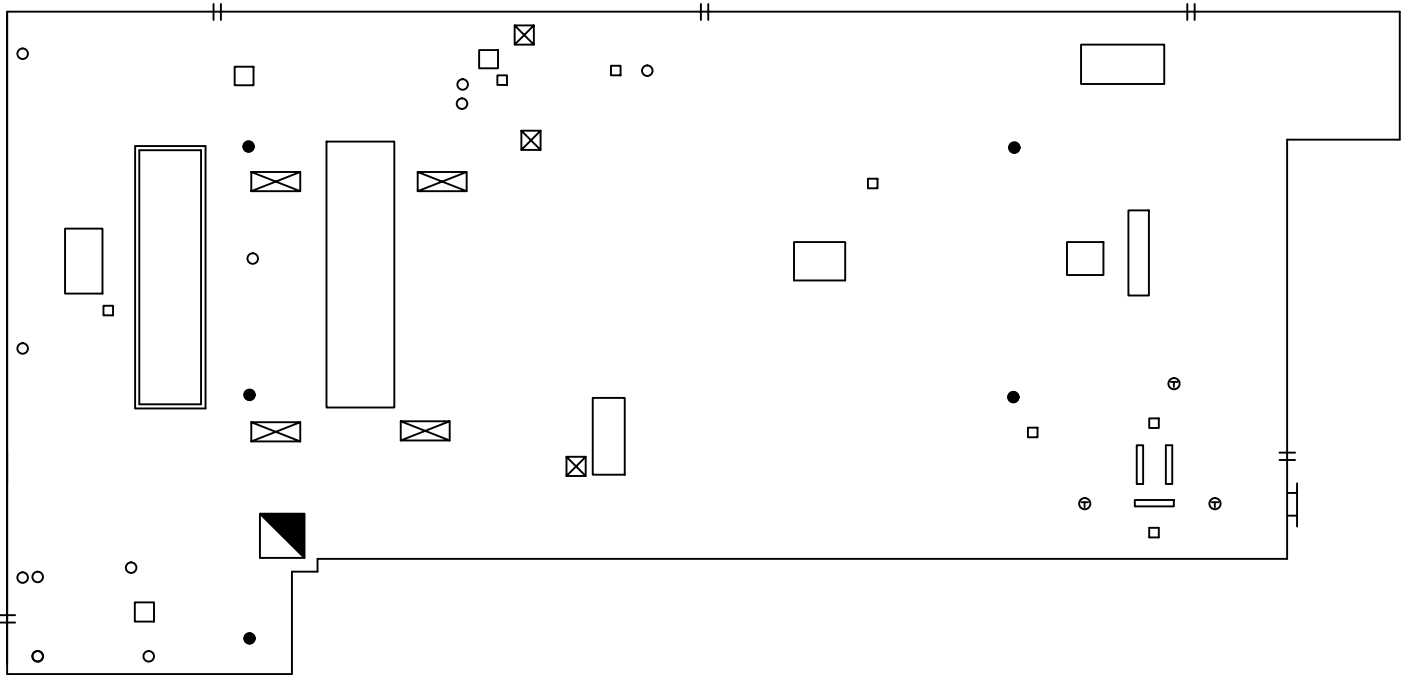
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - # PITCH PAN
 - || SCUPPER
 - ⊕ ROOF ANCHOR

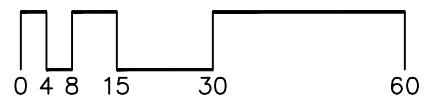


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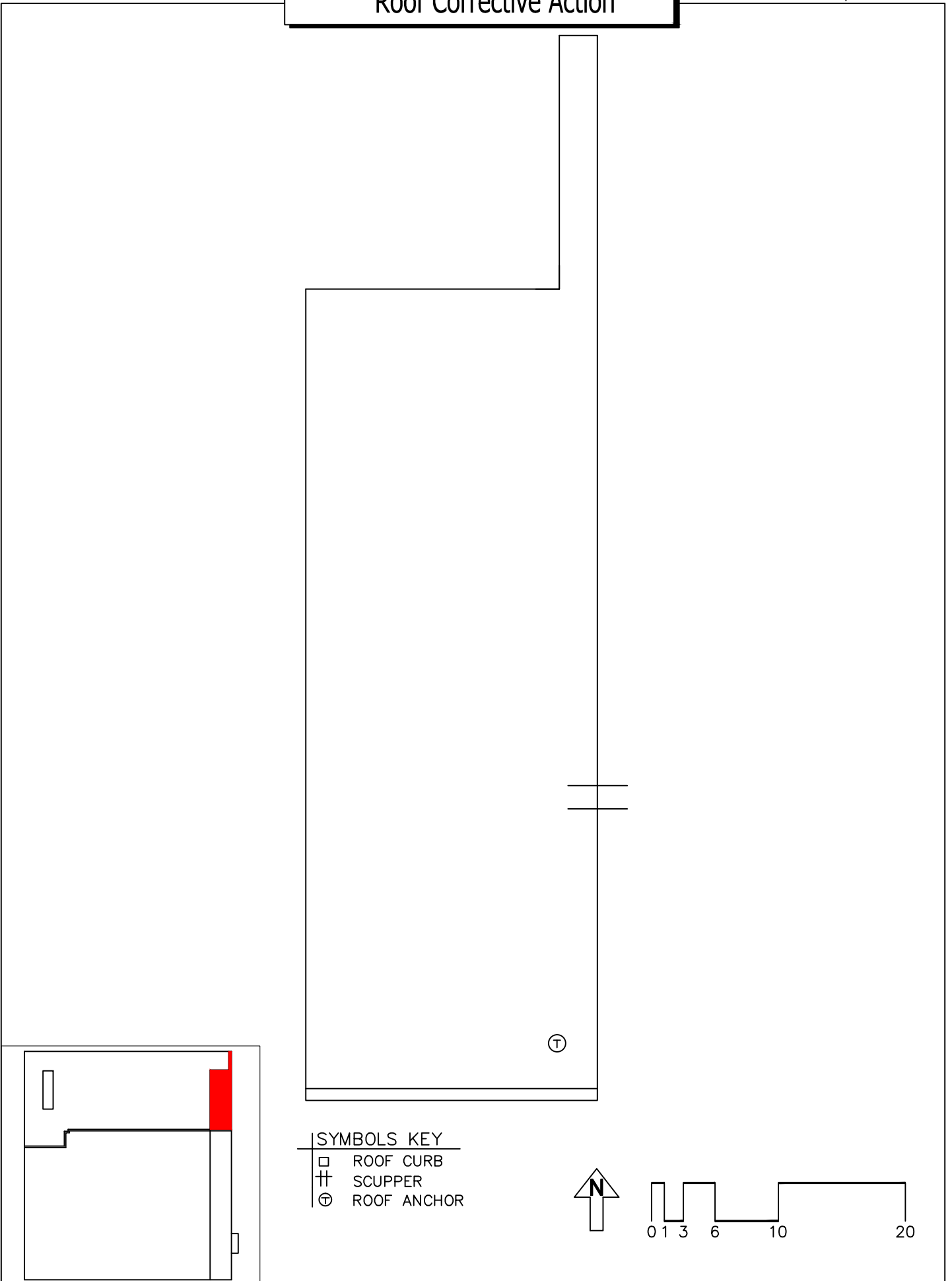


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- ⊥ SCUPPER
- VENT
- ⊗ SKYLIGHT
- ⊕ ROOF ANCHOR
- ▣ CHIMNEY

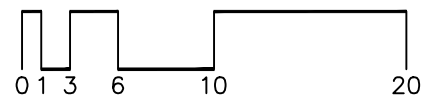


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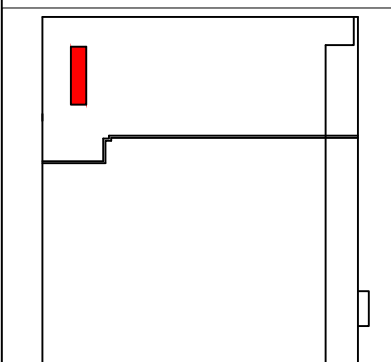
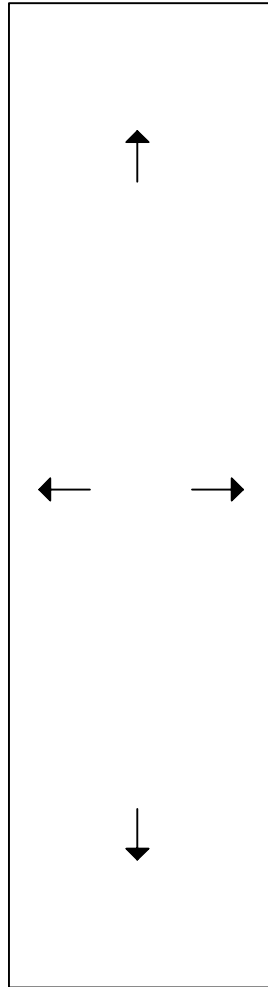


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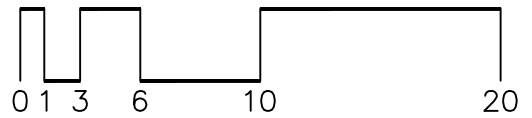
- ROOF CURB
- ⊥ SCUPPER
- ⊕ ROOF ANCHOR



Roof Corrective Action



SYMBOLS KEY
|→ SLOPE DIRECTION

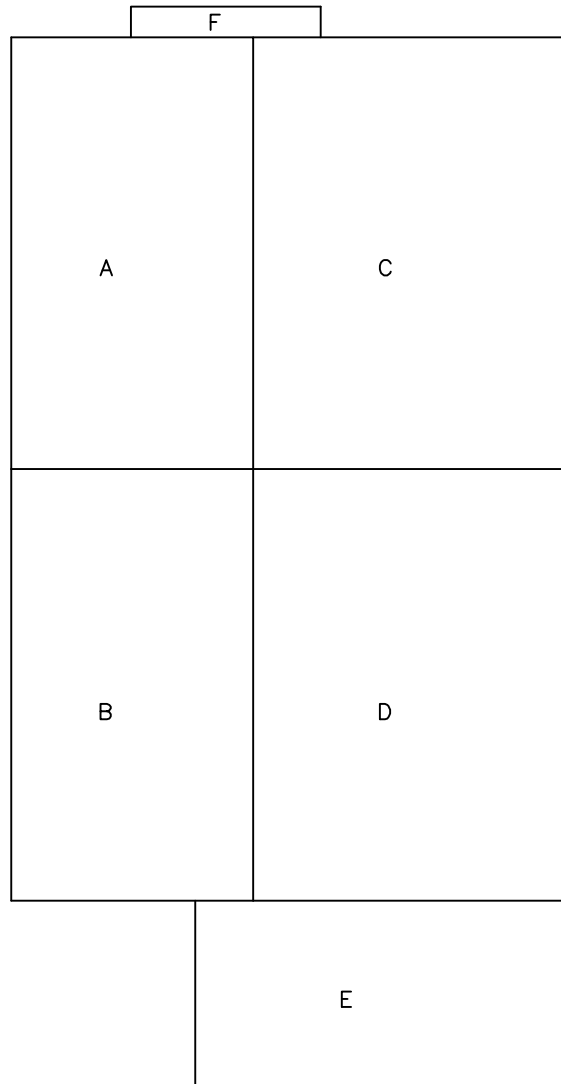


Roof ID

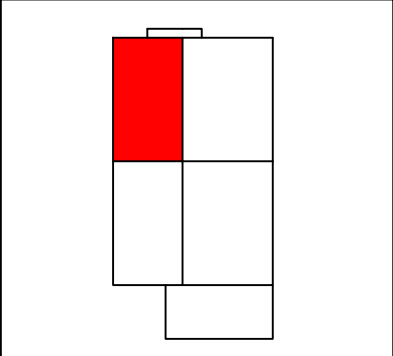
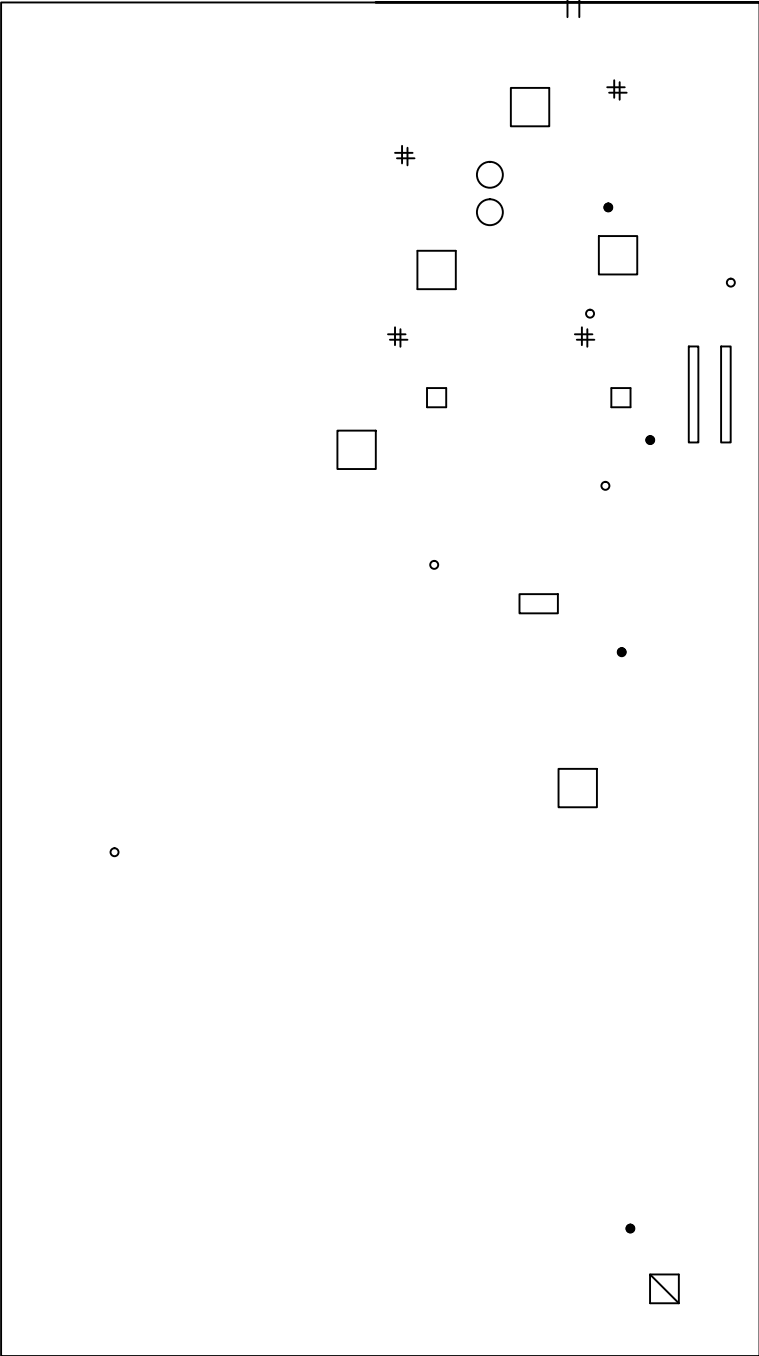
Building: 01.113 - Food Operations Building - (2904 Fairmount St. SE)
Roof Access: 1st floor vertical wall ladder

Total SF: 58,479 sf

A:	<u>11,139 sf</u>
B:	<u>11,139 sf</u>
C:	<u>14,523 sf</u>
D:	<u>14,523 sf</u>
E:	<u>6,535 sf</u>
F:	<u>620 sf</u>

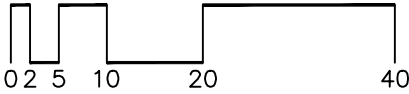


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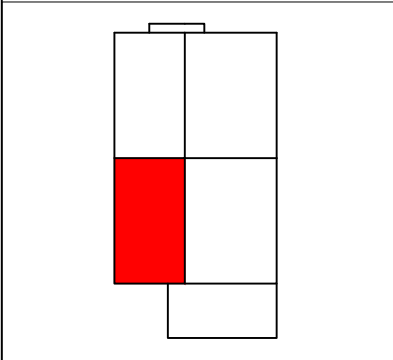
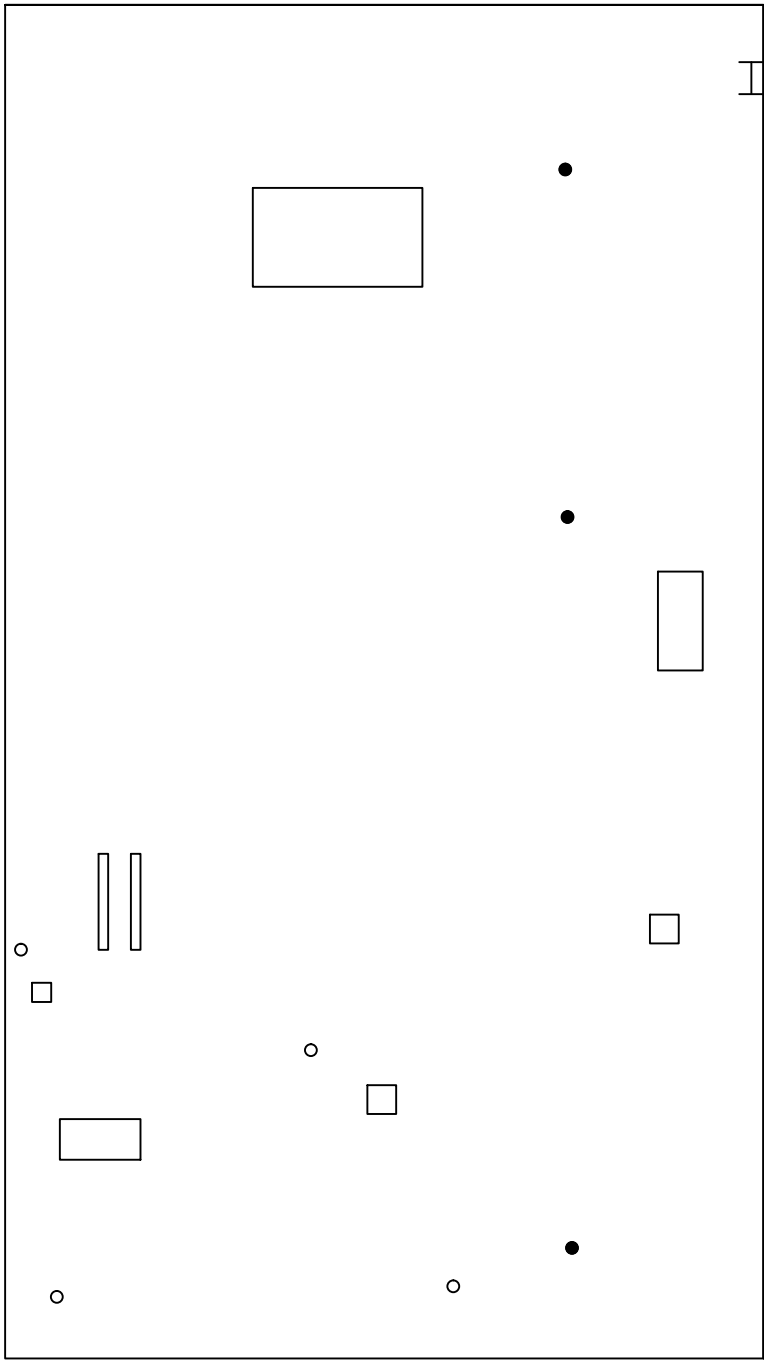


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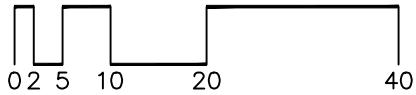
□	ROOF CURB
●	ROOF DRAIN
⋈	SCUPPER
○	VENT
▣	ROOF HATCH
⊕	PITCH PAN



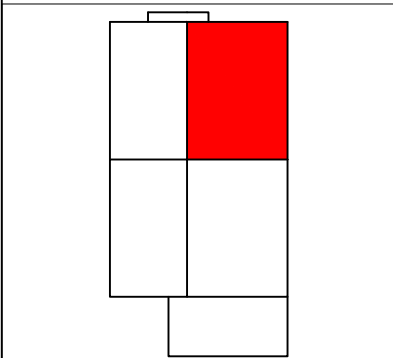
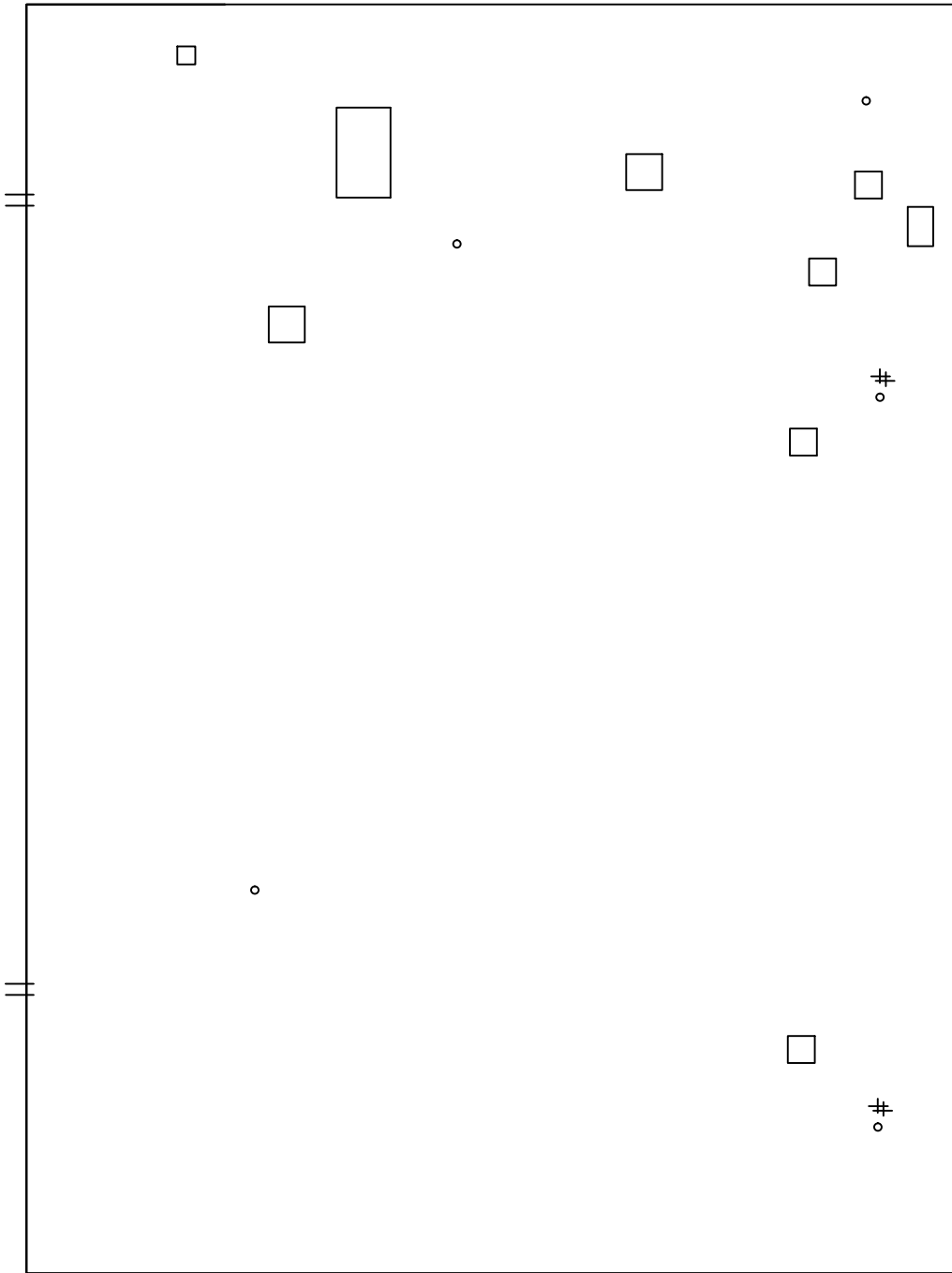
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - TT SHIPSLADDER
 - VENT

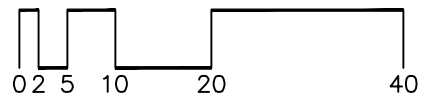


Roof Corrective Action

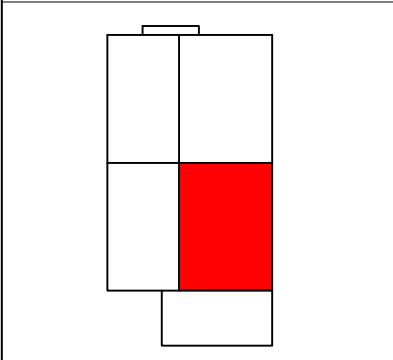
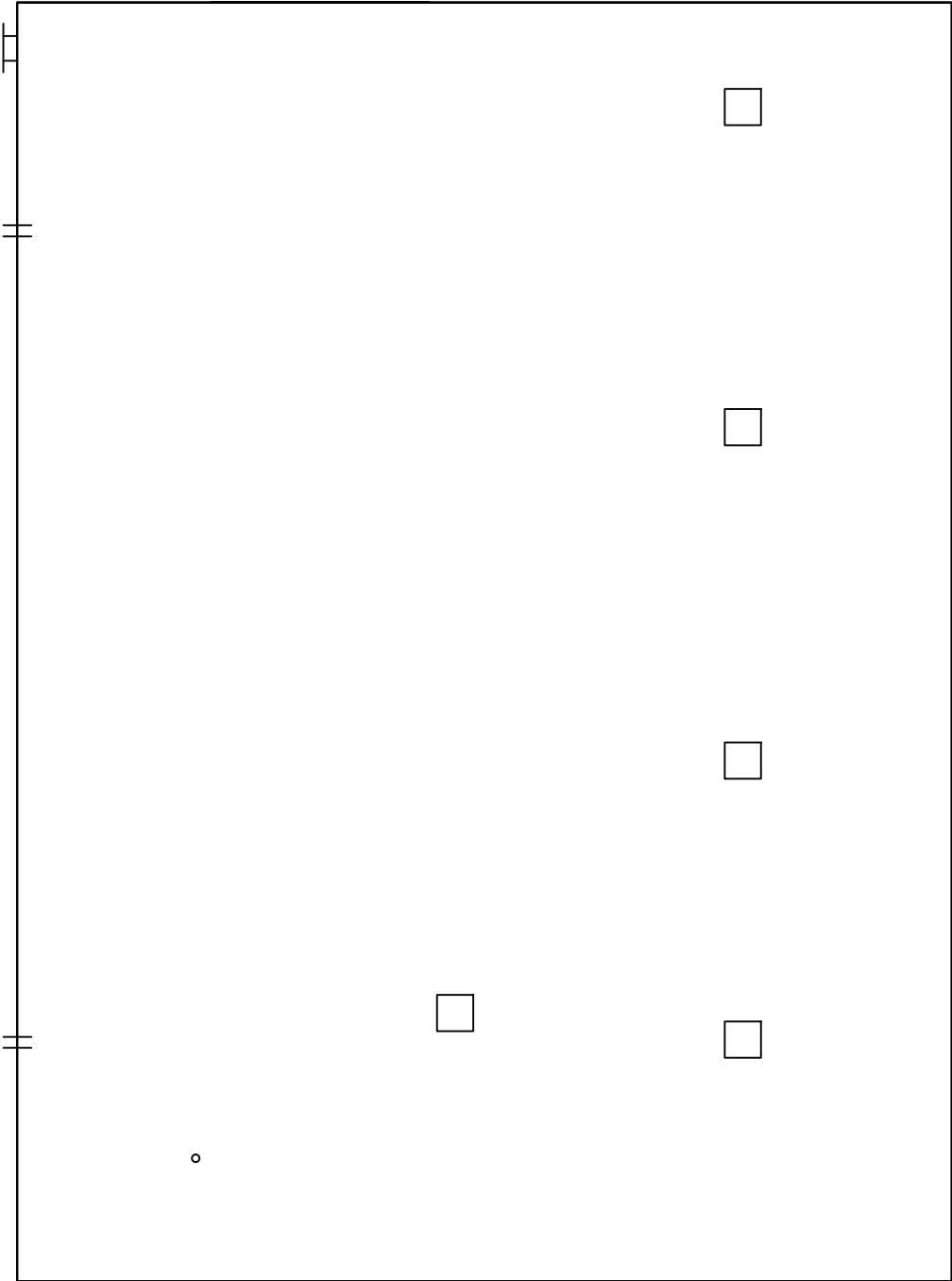


SYMBOLS KEY

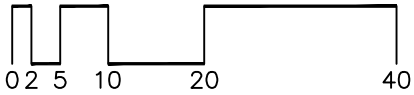
- ROOF CURB
- ROOF DRAIN
- ≡ SCUPPER
- VENT
- ⊕ PITCH PAN



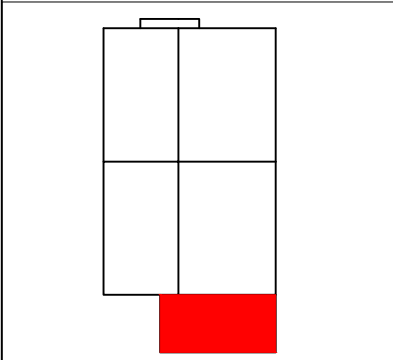
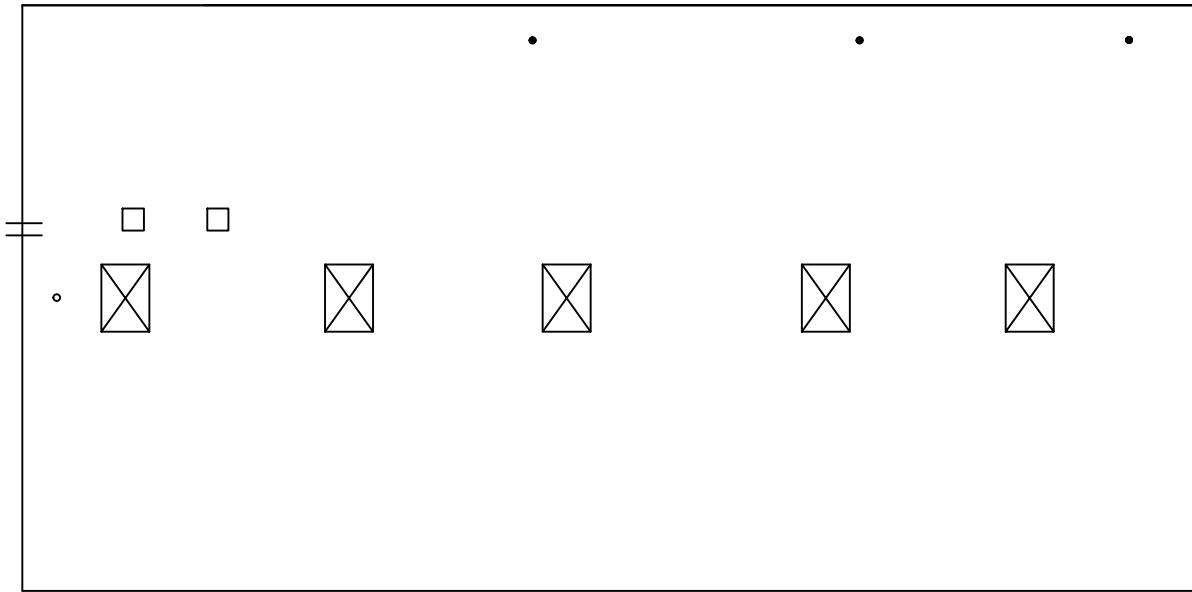
Roof Corrective Action



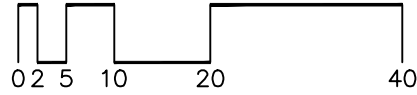
SYMBOLS KEY	
□	ROOF CURB
⊥	SCUPPER
	SHIPSLADDER
○	VENT



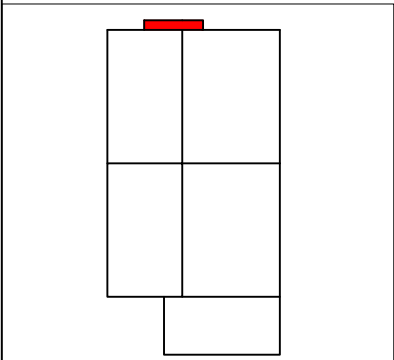
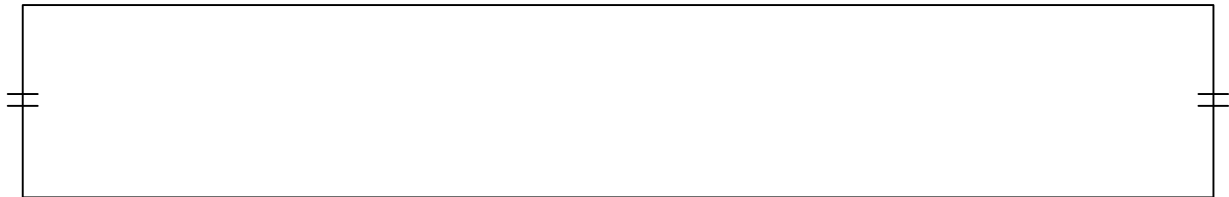
Roof Corrective Action



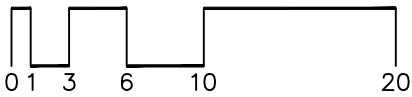
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
†	SCUPPER
○	VENT
☒	SKYLIGHT



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER



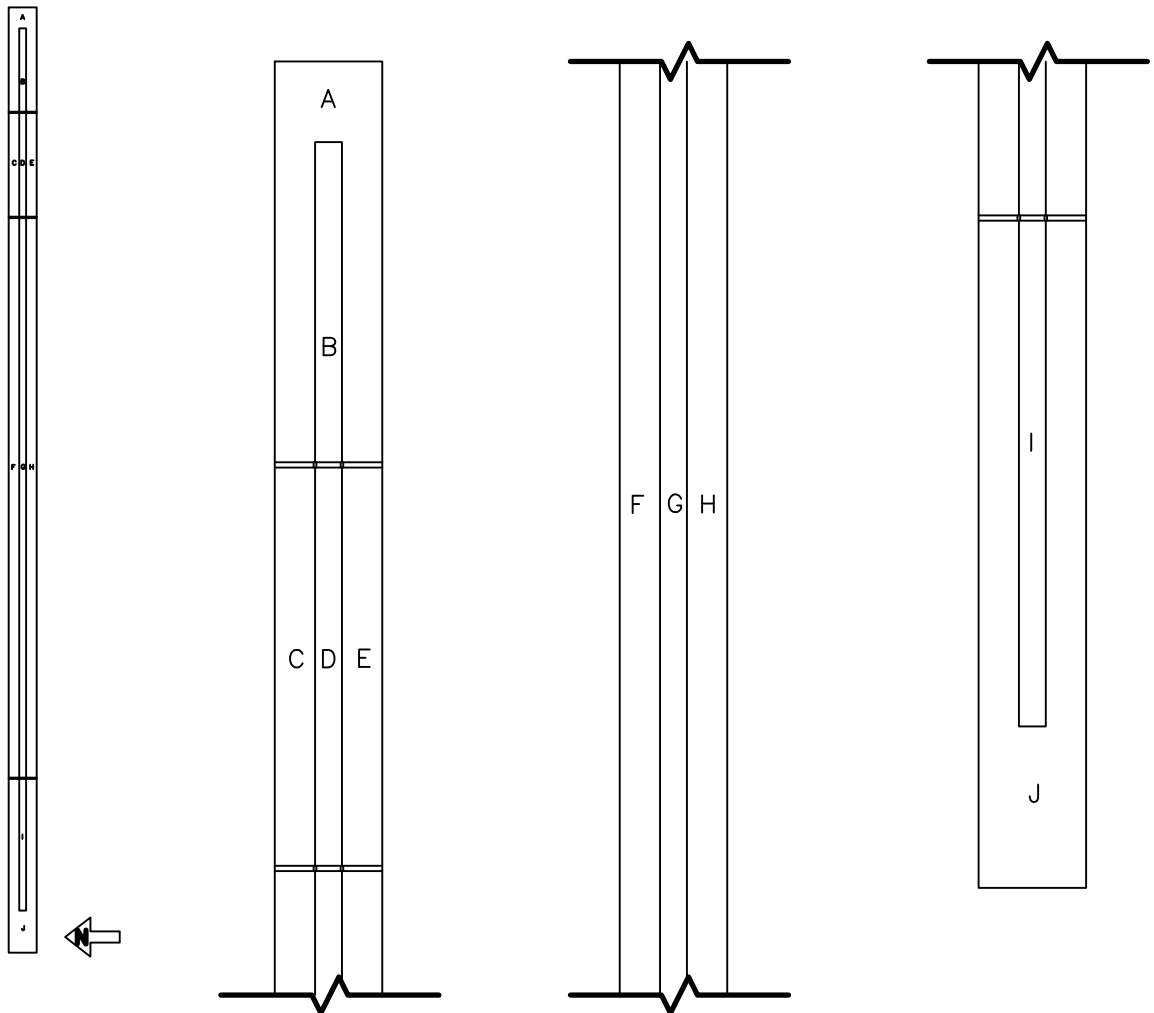
Roof ID

Building: WB123 - Washington Ave Ped Bridge

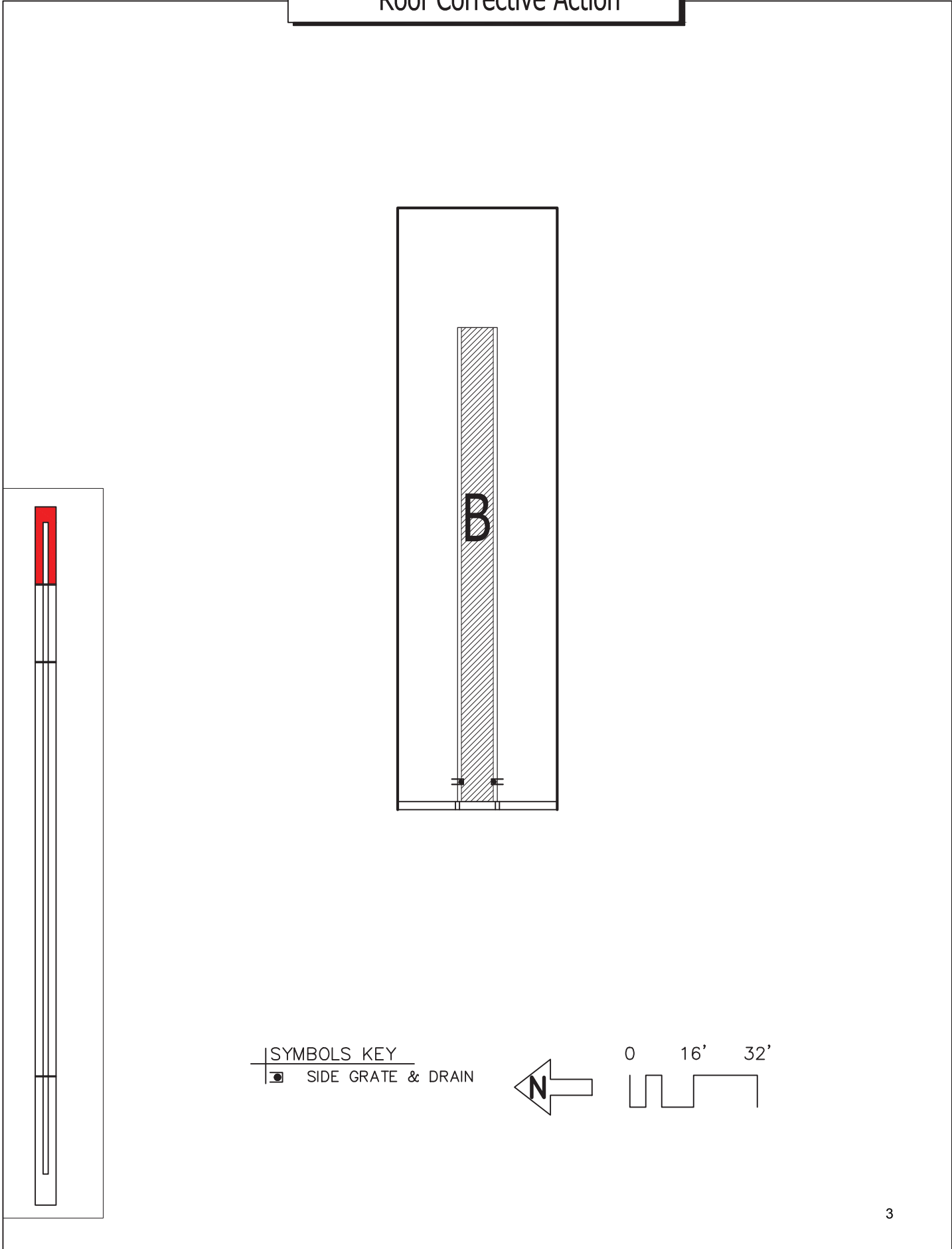
Roof Access: Ladder

Total SF: 65,671 sf

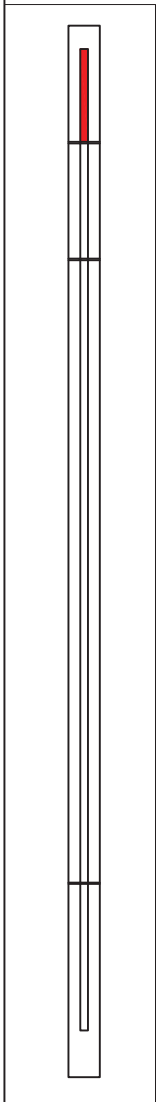
A:	5,771 sf	J:	10,090 sf
B:	2,190 sf		
C:	3,650 sf		
D:	2,480 sf		
E:	3,650 sf		
F:	12,985 sf		
G:	8,990 sf		
H:	12,985 sf		
I:	2,880 sf		



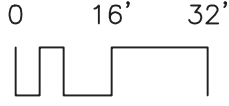
Roof Corrective Action



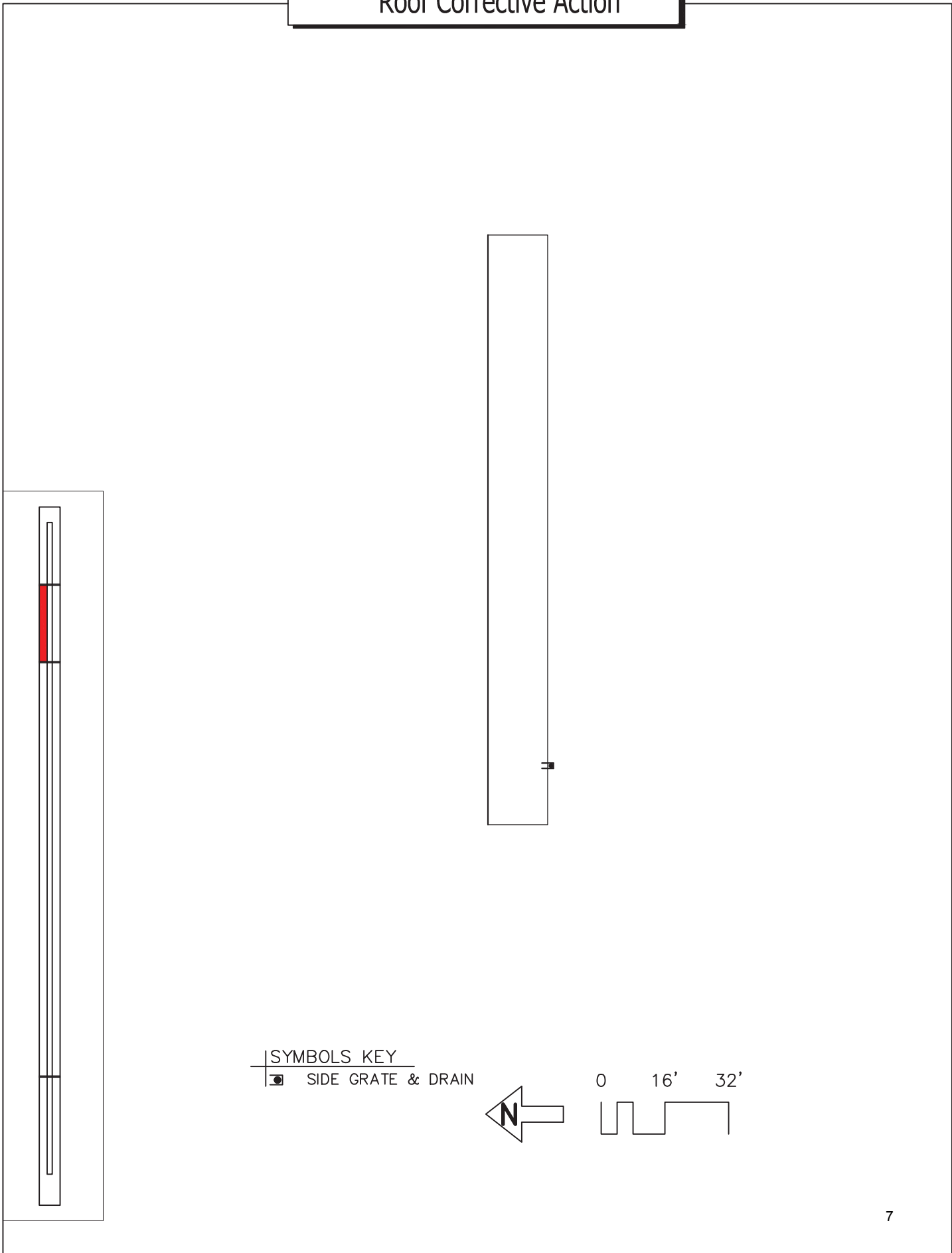
Roof Corrective Action



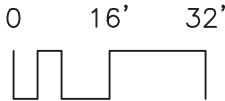
SYMBOLS KEY



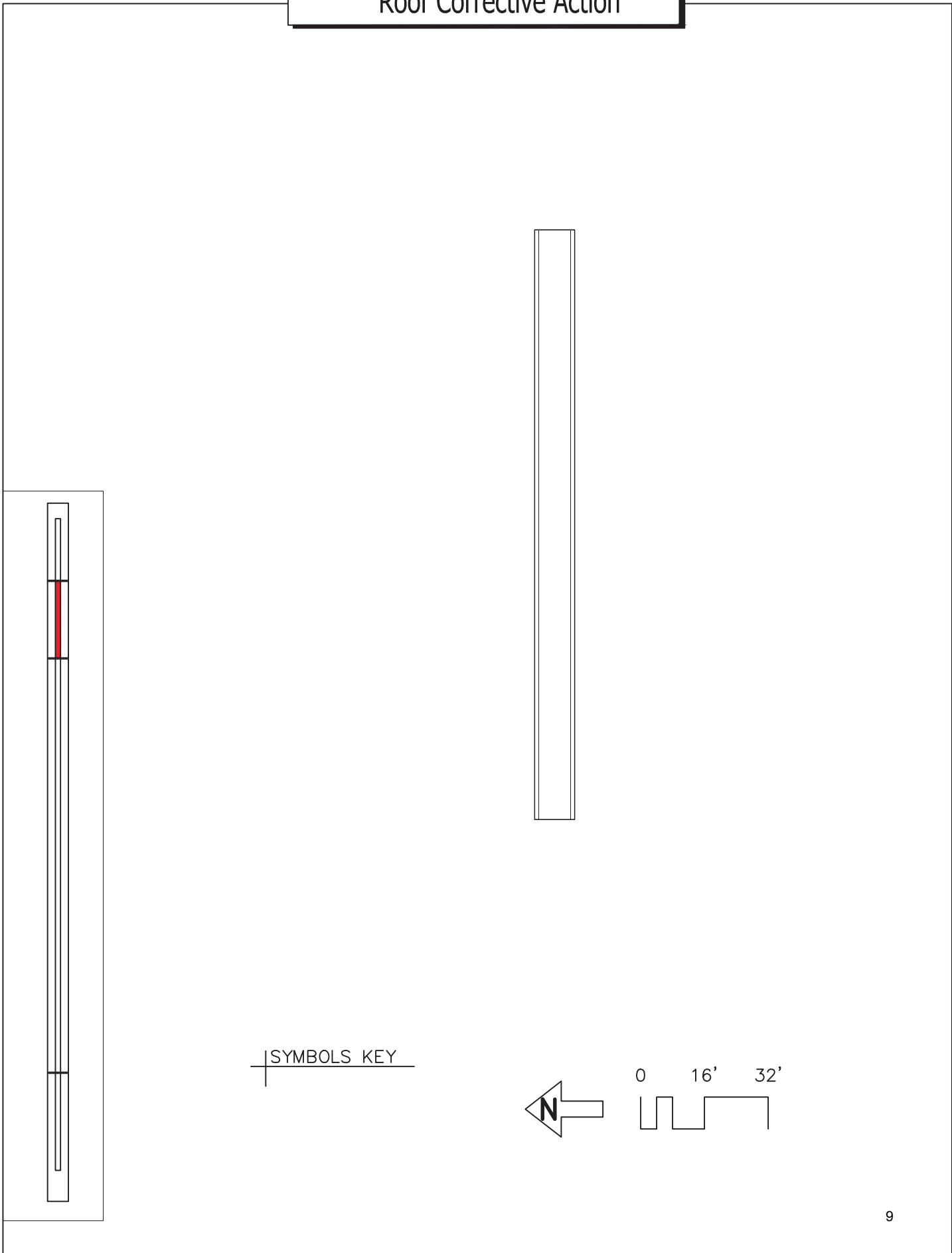
Roof Corrective Action



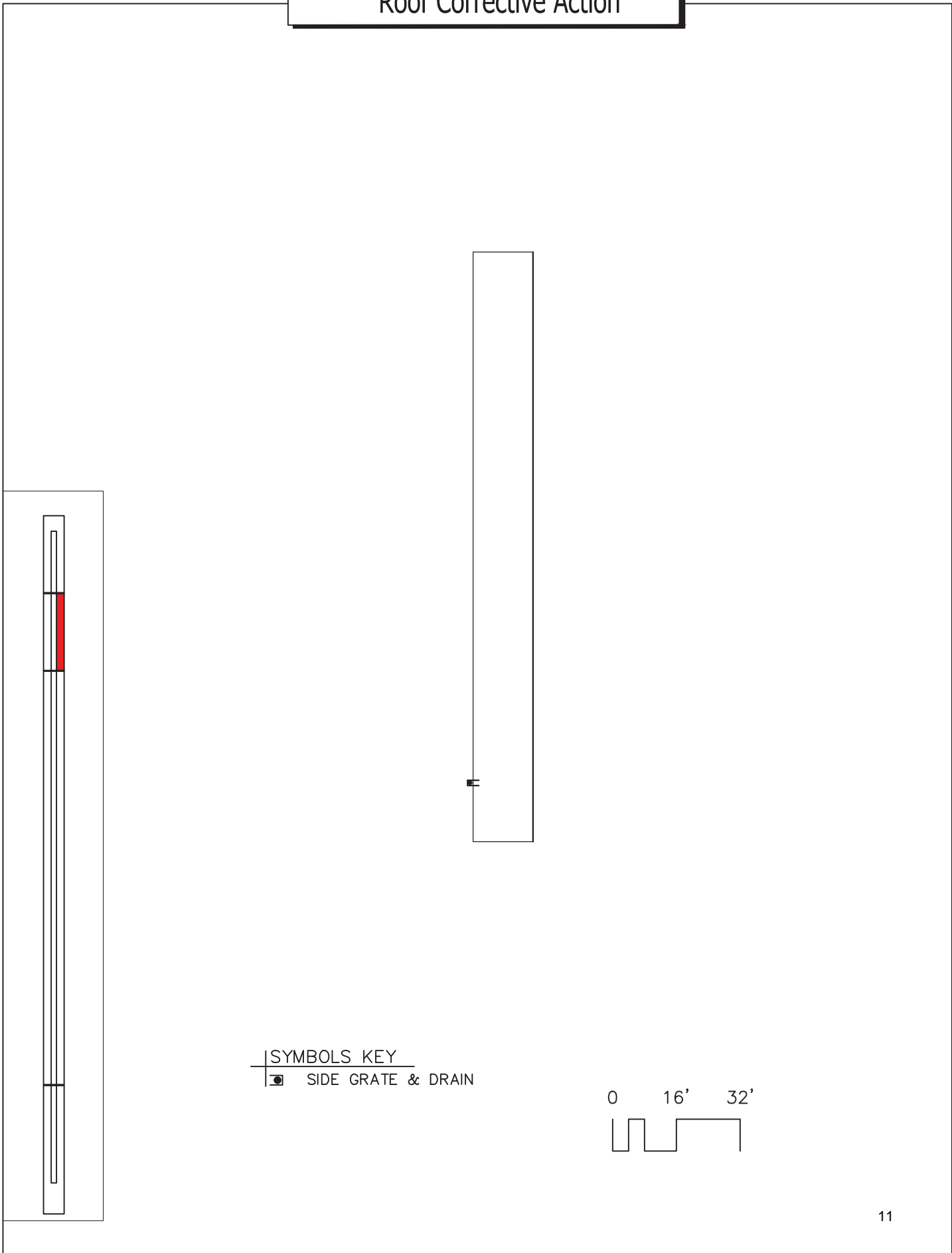
SYMBOLS KEY
■ SIDE GRATE & DRAIN



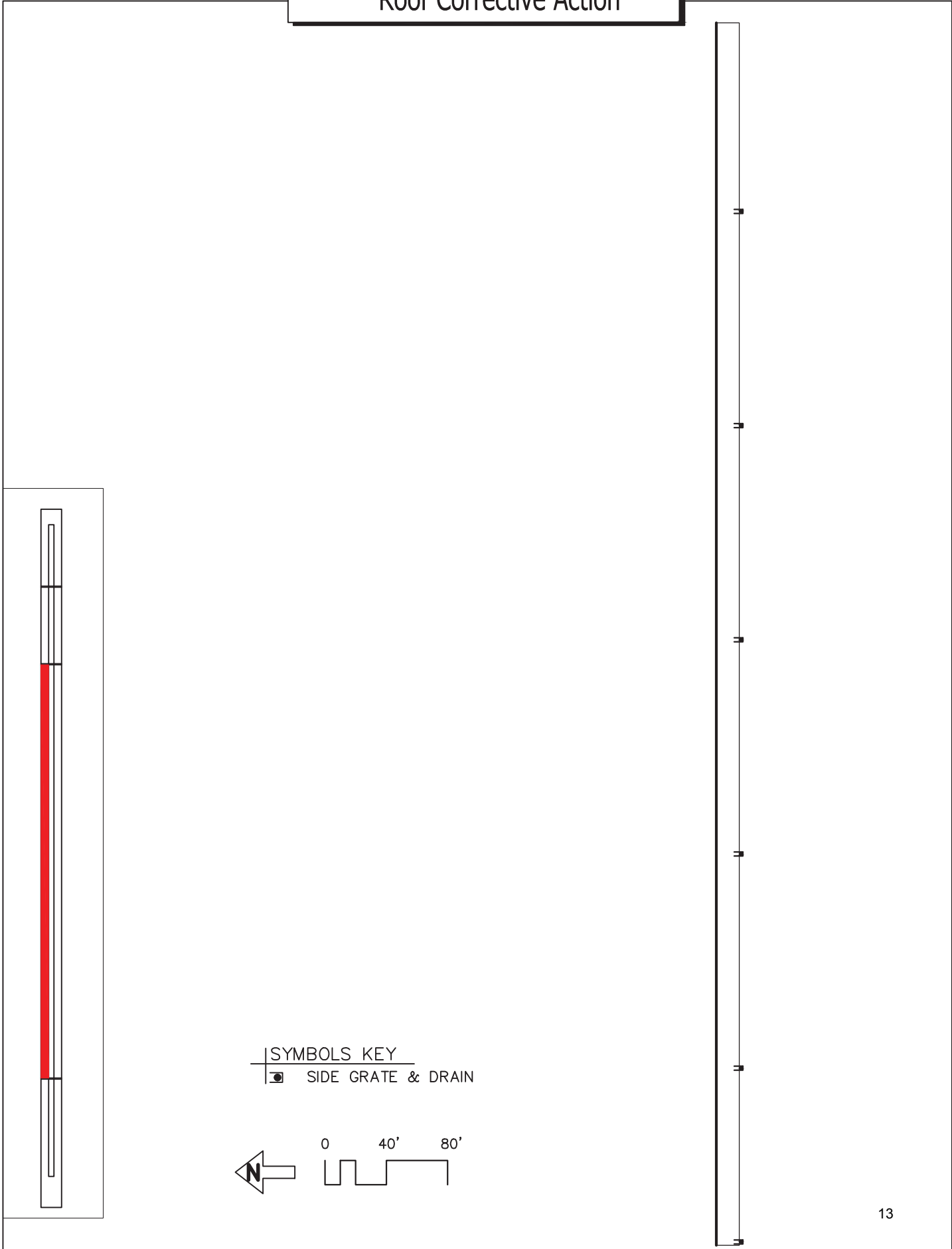
Roof Corrective Action



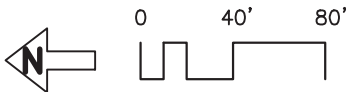
Roof Corrective Action



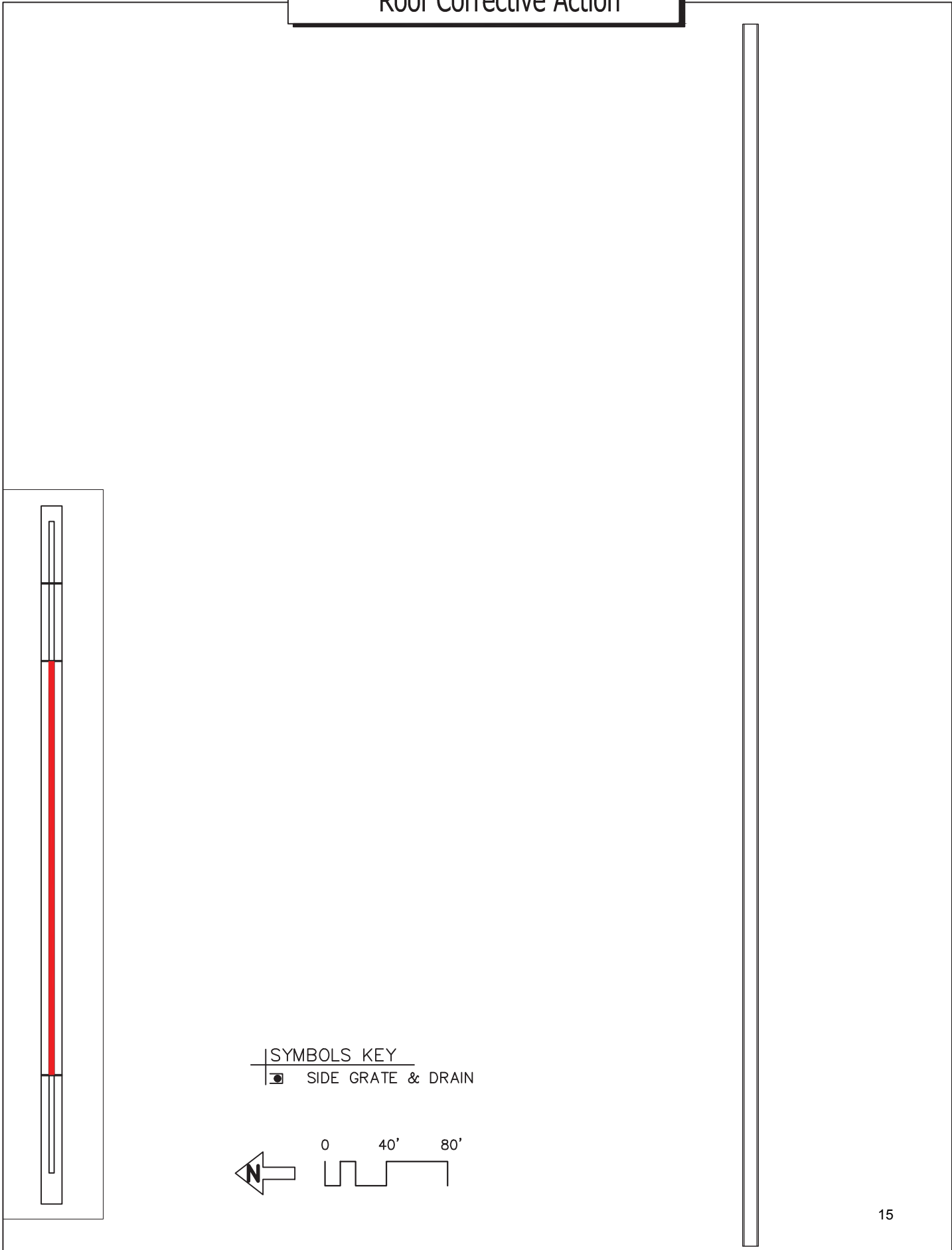
Roof Corrective Action



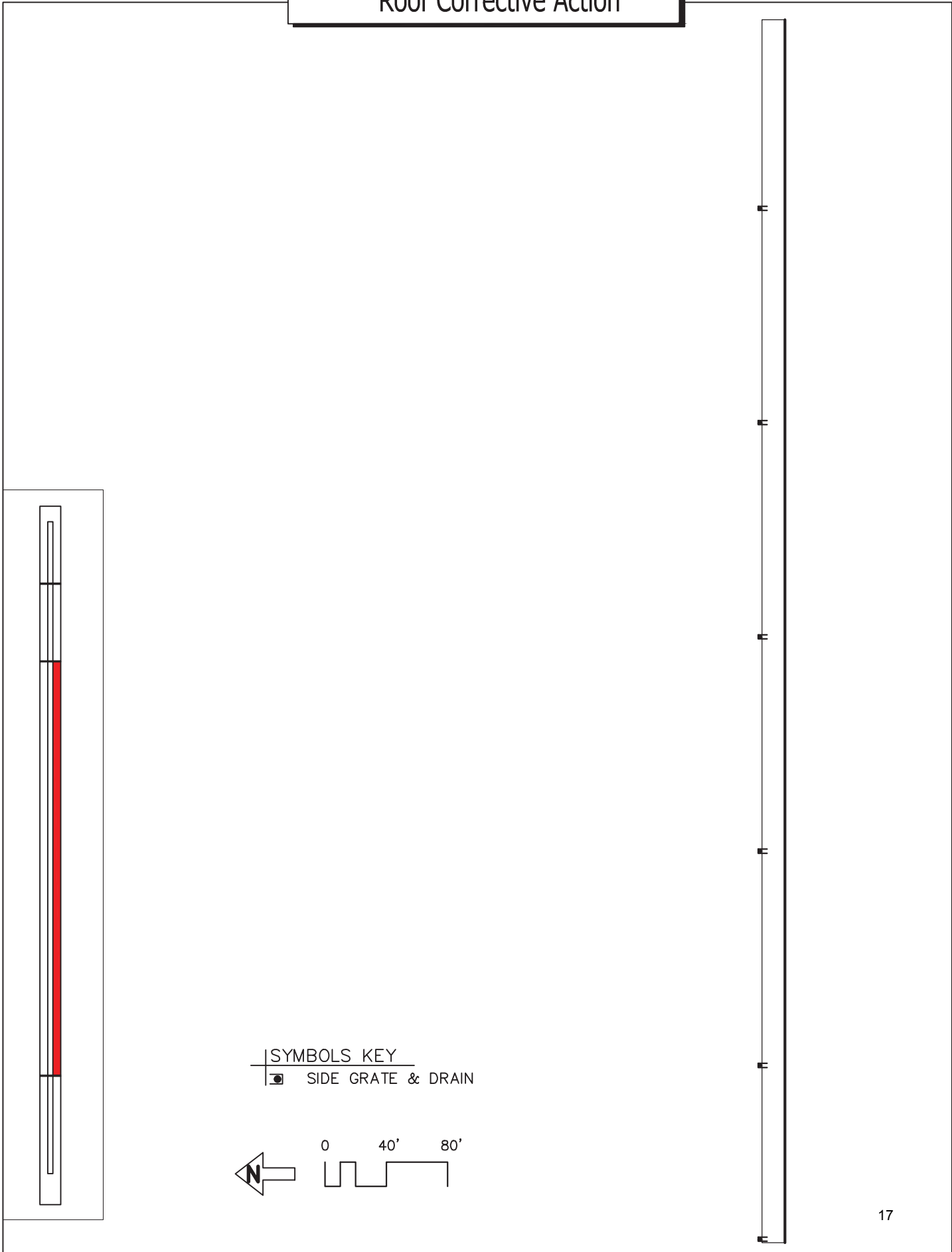
SYMBOLS KEY
■ SIDE GRATE & DRAIN



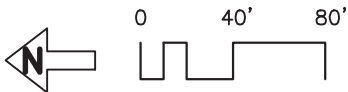
Roof Corrective Action



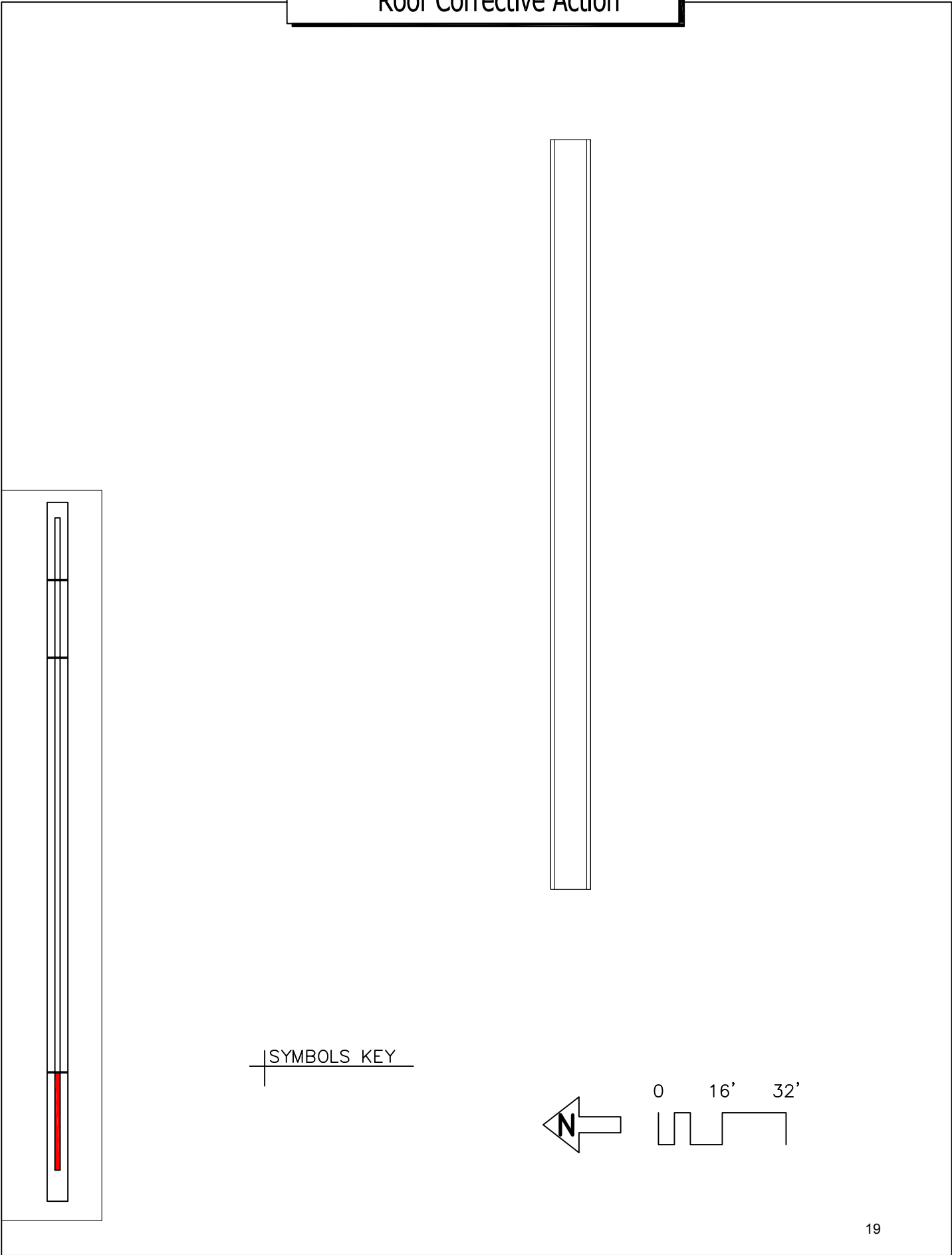
Roof Corrective Action



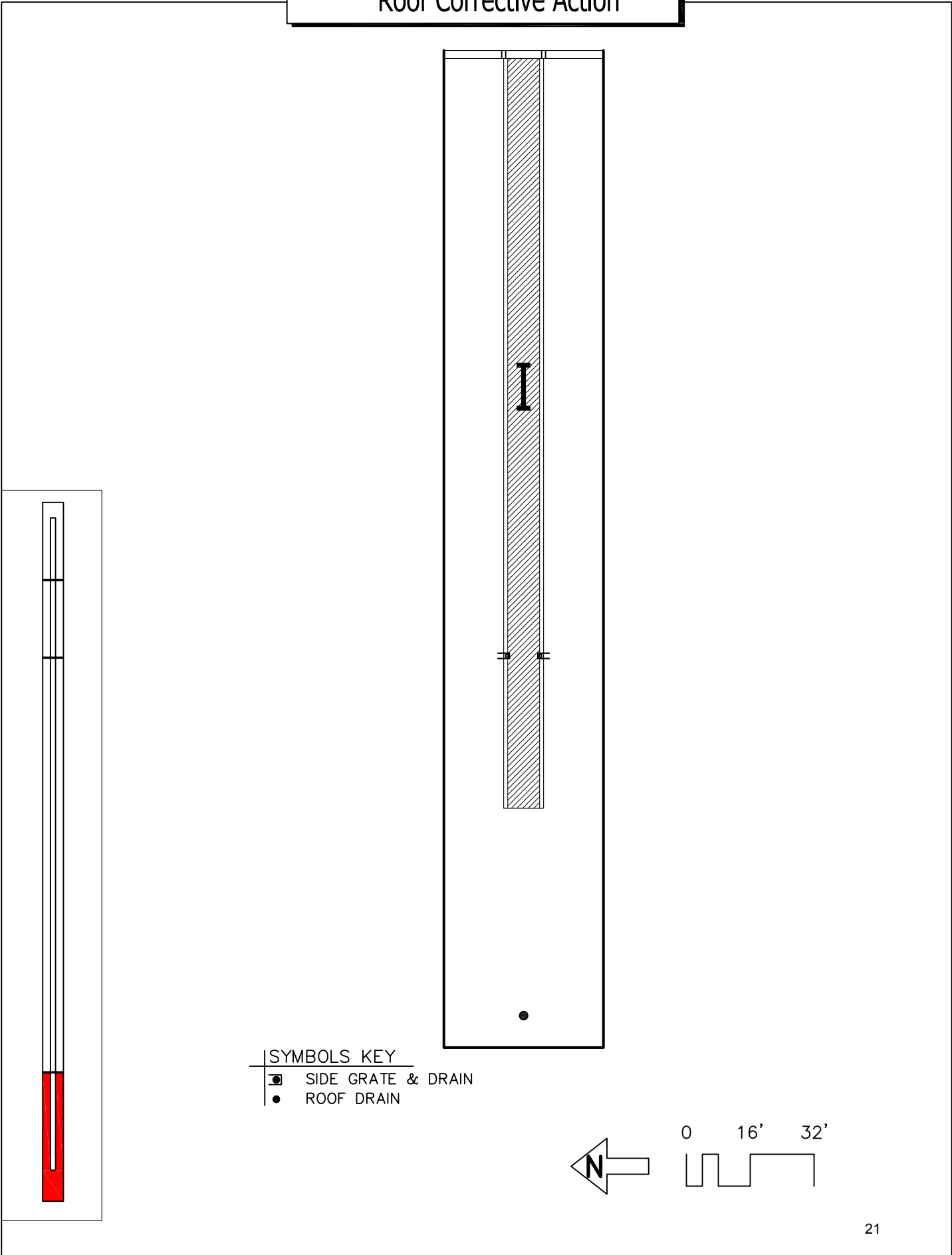
SYMBOLS KEY
■ SIDE GRATE & DRAIN



Roof Corrective Action

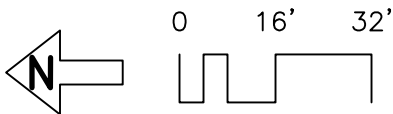


Roof Corrective Action



SYMBOLS KEY

- ▣ SIDE GRATE & DRAIN
- ROOF DRAIN

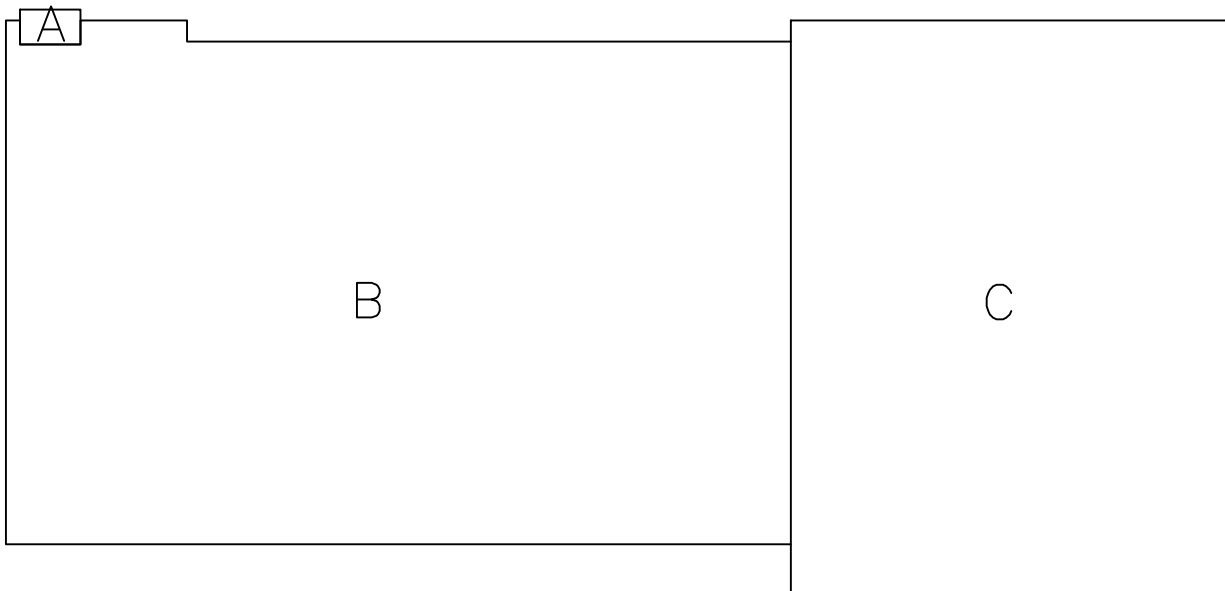


Roof ID

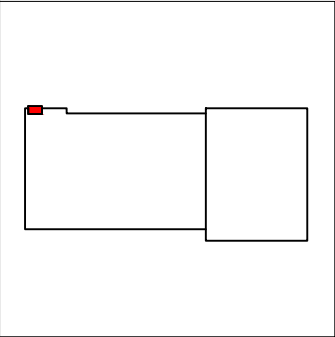
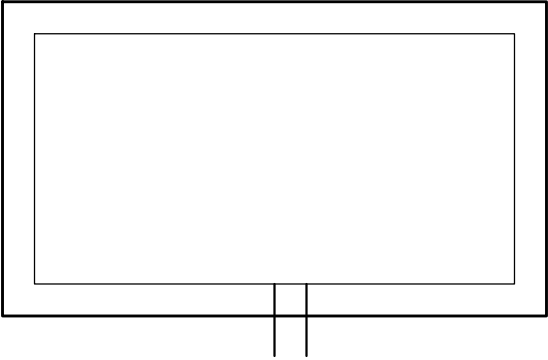
Building: WB135 - Urban Research and Outreach Center - (2001 Plymouth Avenue North)
Roof Access: Roof hatch from mechanical space

Total SF: 23,916 sf

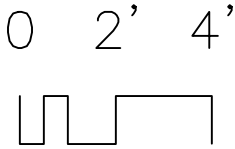
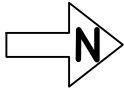
A:	<u>74 sf</u>
B:	<u>13,988 sf</u>
C:	<u>9,854 sf</u>



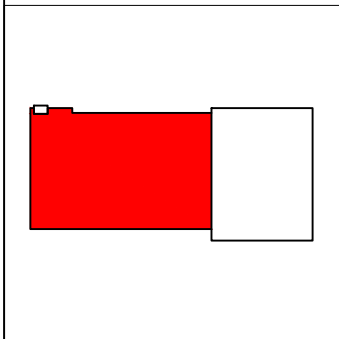
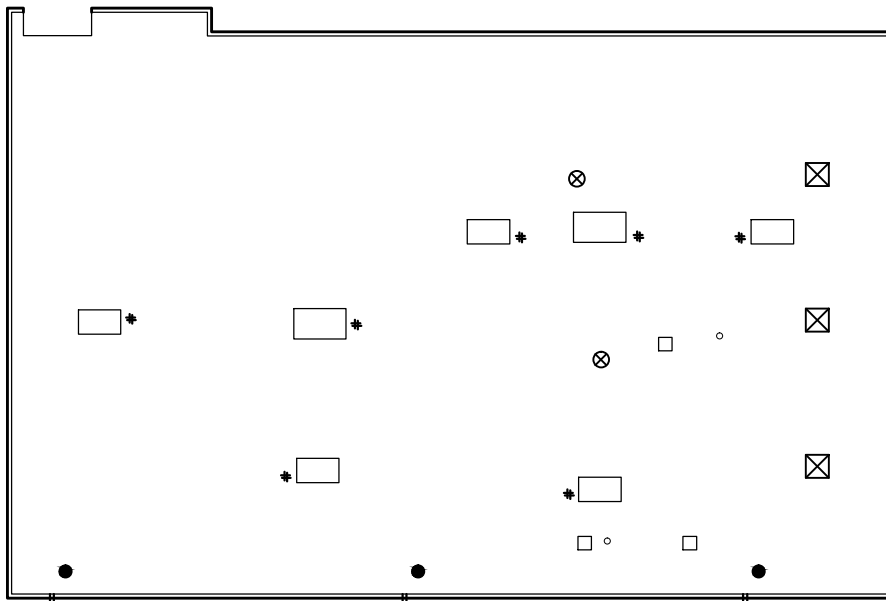
Roof Corrective Action



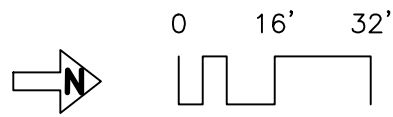
SYMBOLS KEY
|| SCUPPER



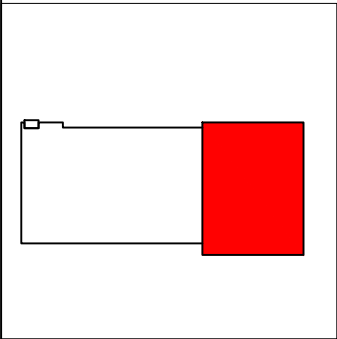
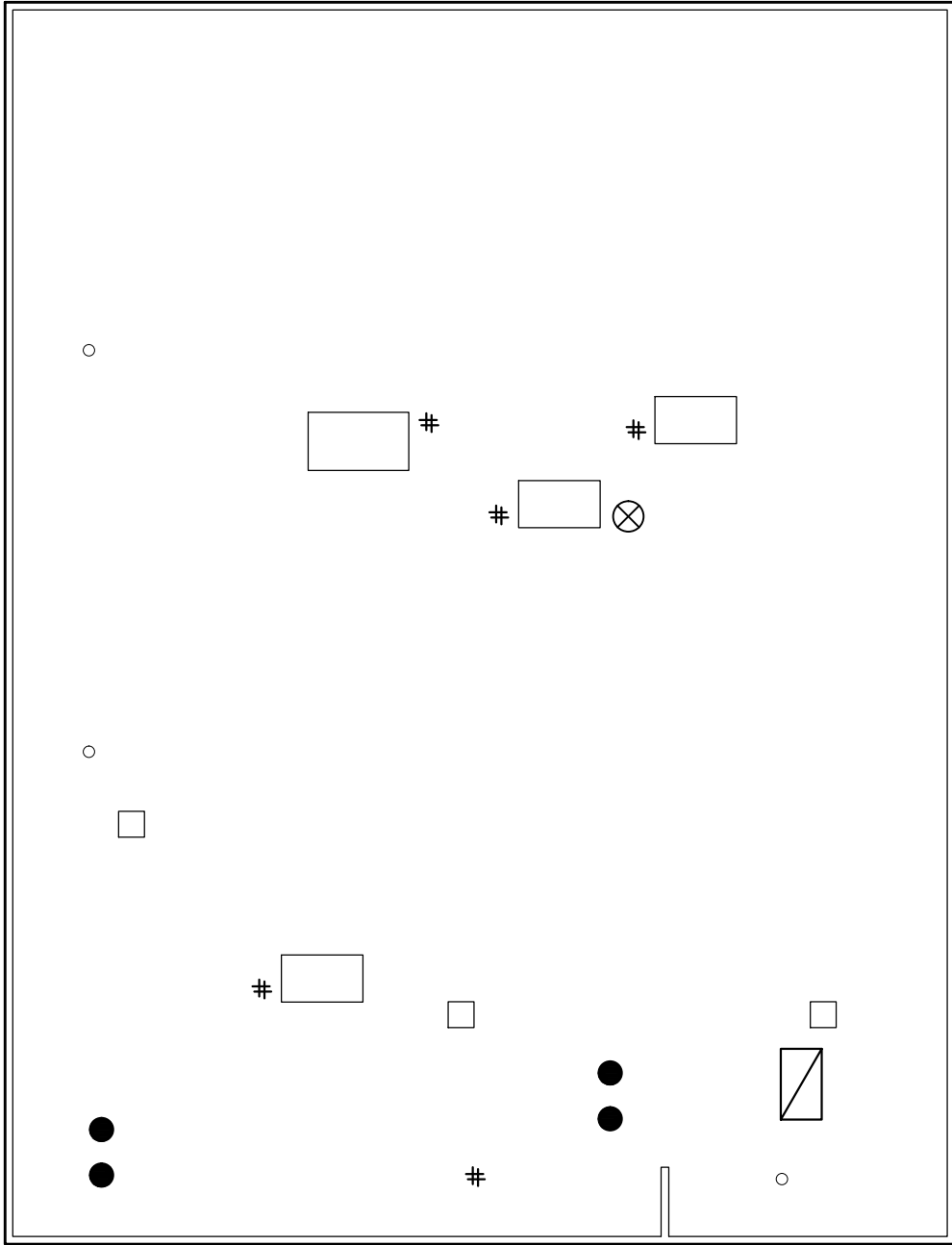
Roof Corrective Action



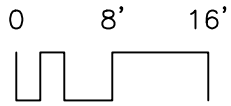
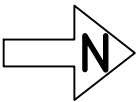
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
⊥	SCUPPER
⊠	SKYLIGHT
○	VENT
#	PITCH PAN



Roof Corrective Action



SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
†	SCUPPER
⊠	SKYLIGHT
○	VENT
⊞	ROOF HATCH
#	PITCH PAN



Roof ID

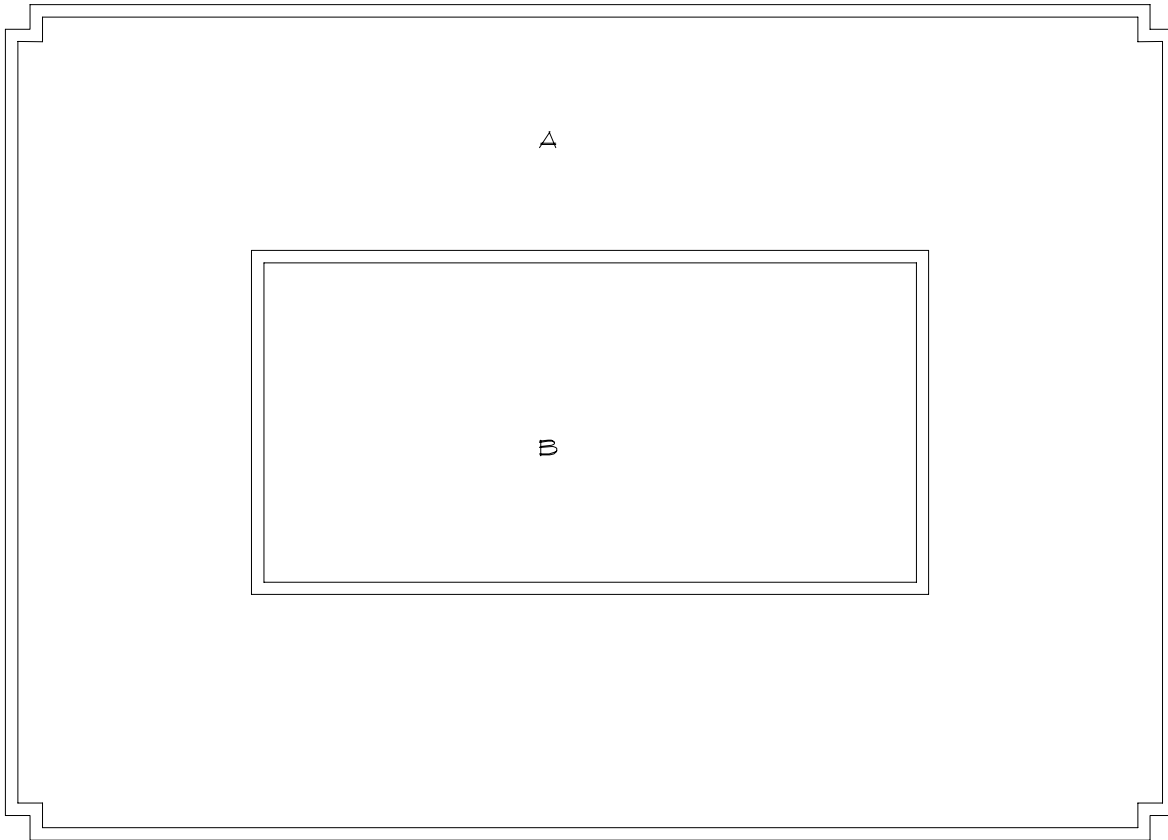
Building: WB201 - Heller Hall - (271 19th Ave S)

Roof Access: 12th floor/North stairwell up 2 flights to roof A; Roof B access in control room

Total Area: 6,138 sf

A 4,253 sf

B 1,885 sf



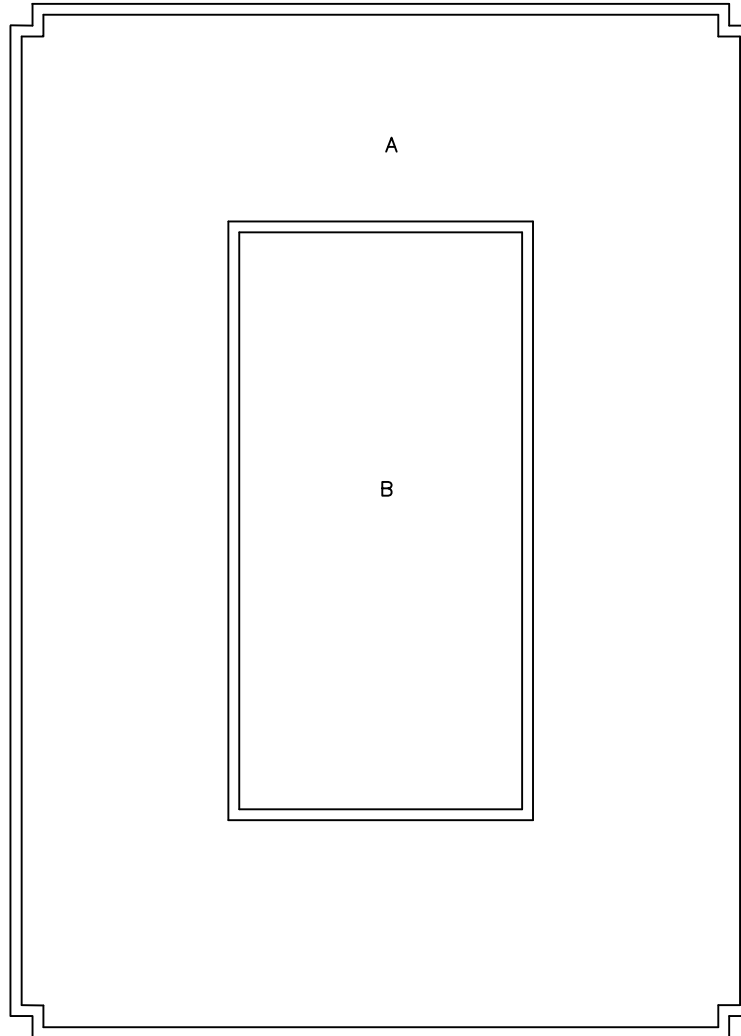
SYMBOLS KEY



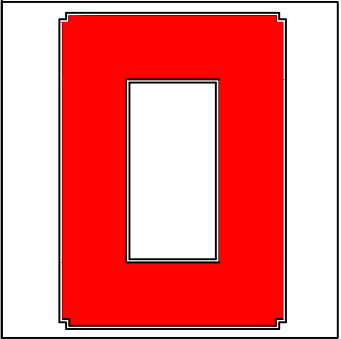
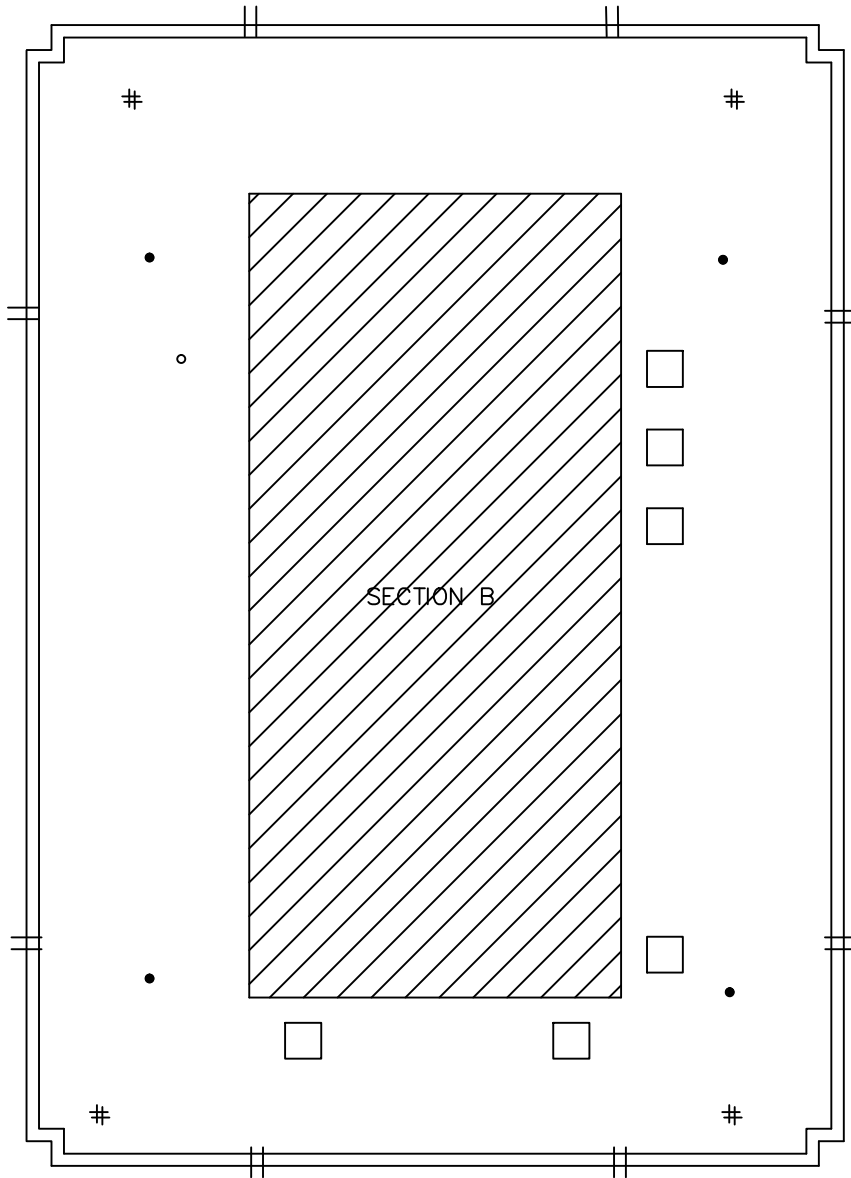
Roof ID

Building: 01.202 - Social Sciences Bldg - (267 19th Avenue South)
Roof Access: A=Stair to Penthouse; B=Ladder
Total SF: 6,045 sf

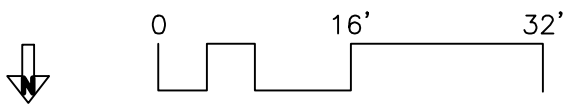
A: 4,278 sf
B: 1,767 sf



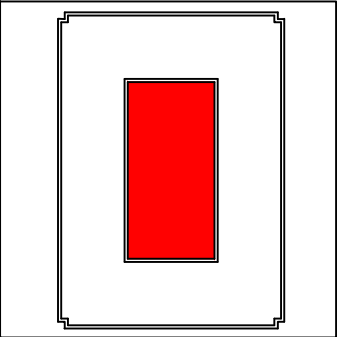
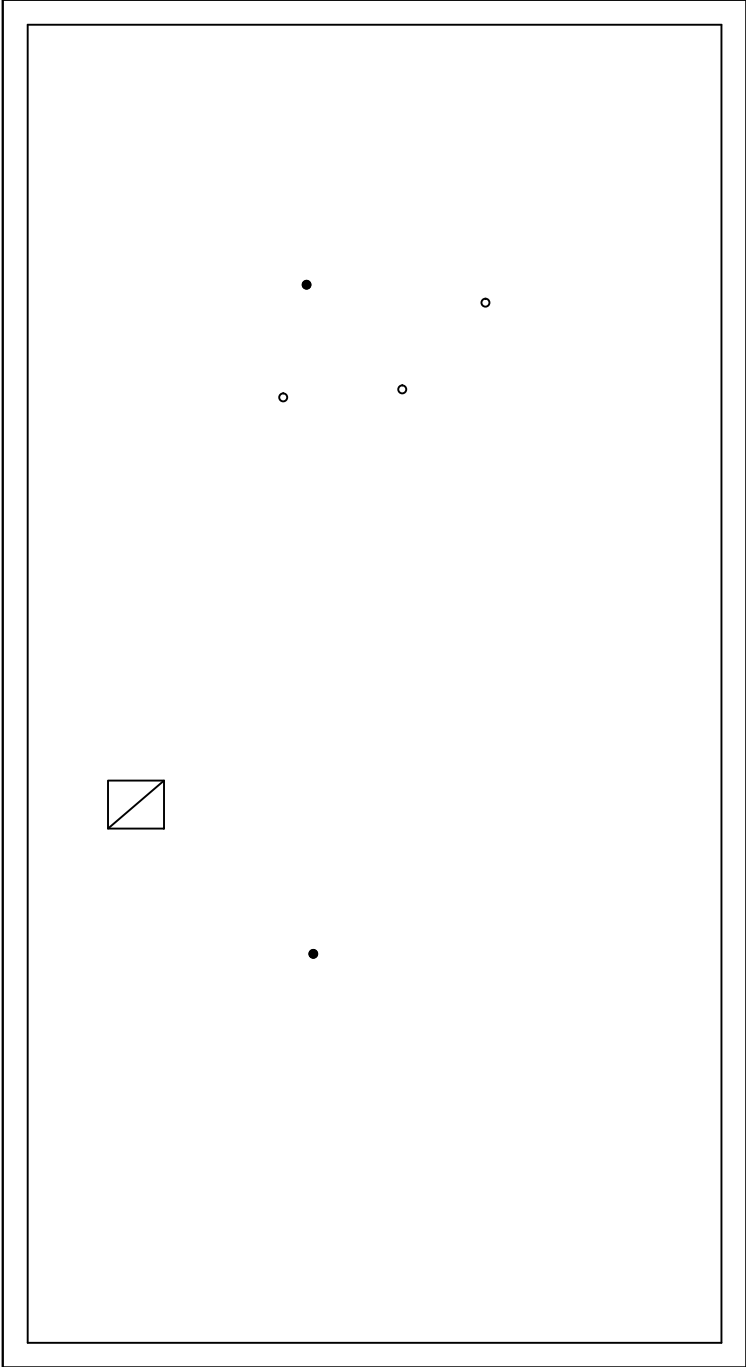
Roof Corrective Action



SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
⊥	SCUPPER
#	PITCH PAN
○	VENT

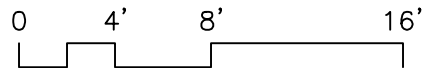


Roof Corrective Action



SYMBOLS KEY

○	VENT STACK
●	ROOF DRAIN
◻	ROOF HATCH



Roof ID

Building: WB203 - Blegen Hall - (269 19th Avenue S Minneapolis)

Roof Access: 4th floor to control room at south end of building (roof hatch)

Total Area: 22,538 sf

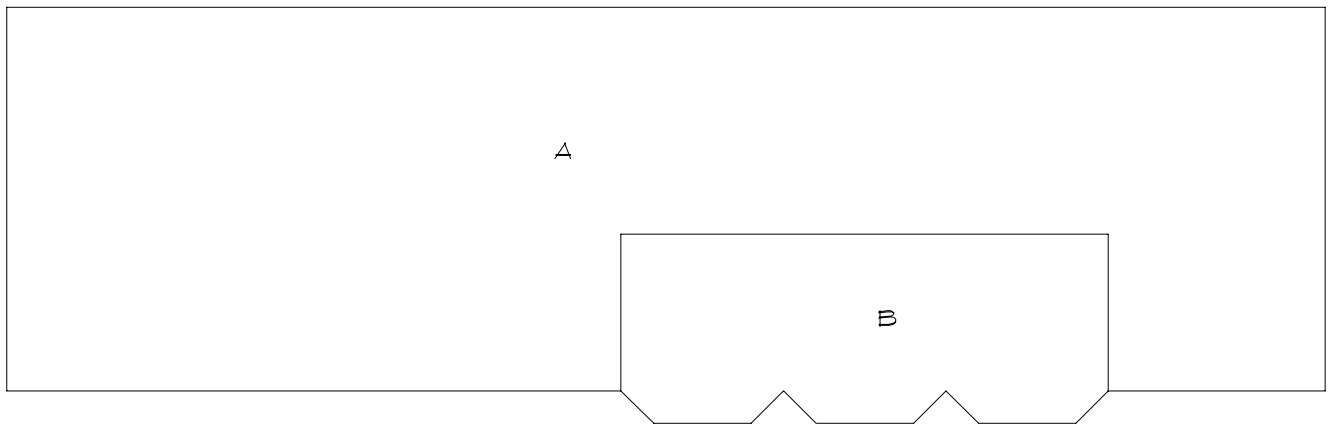
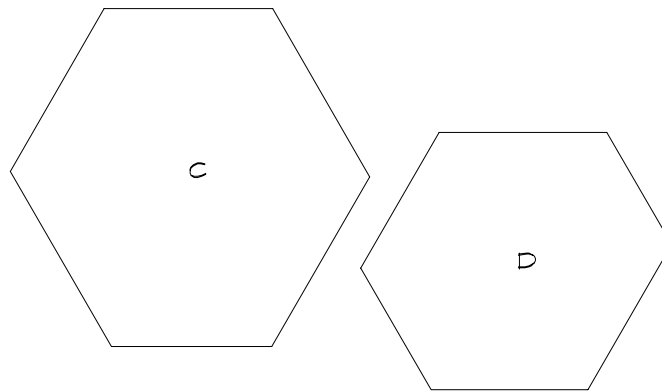
A 14,560 sf

B 2,880 sf

C 3,021 sf

D 2,077 sf

SYMBOLS KEY



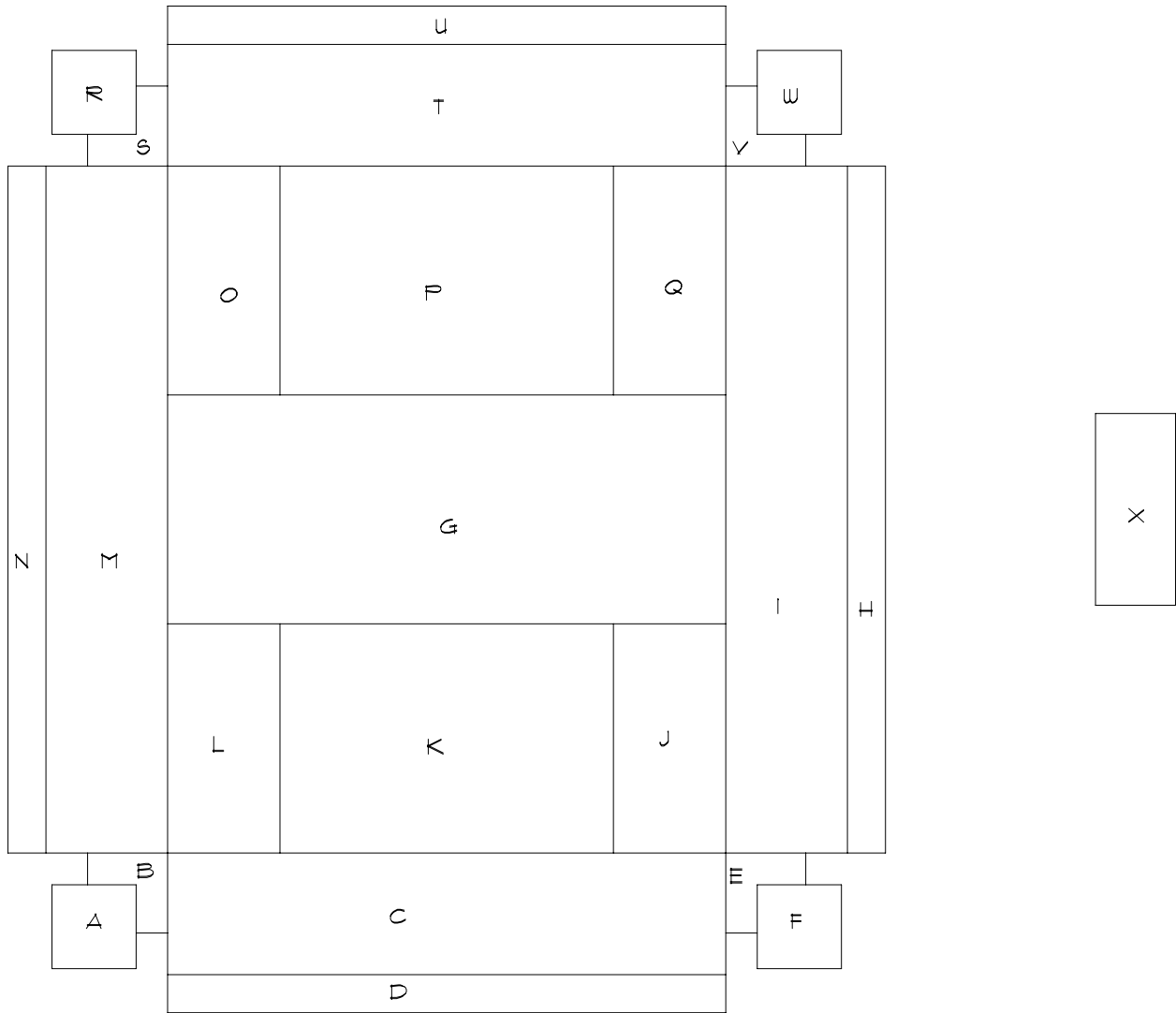
Roof ID

Building: WB204 - Wilson Library - (309 19th Avenue S Minneapolis)

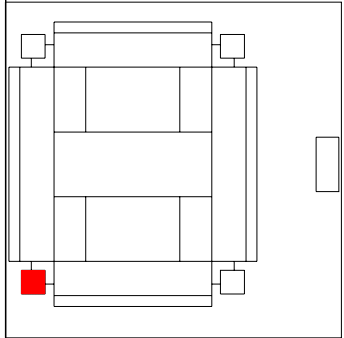
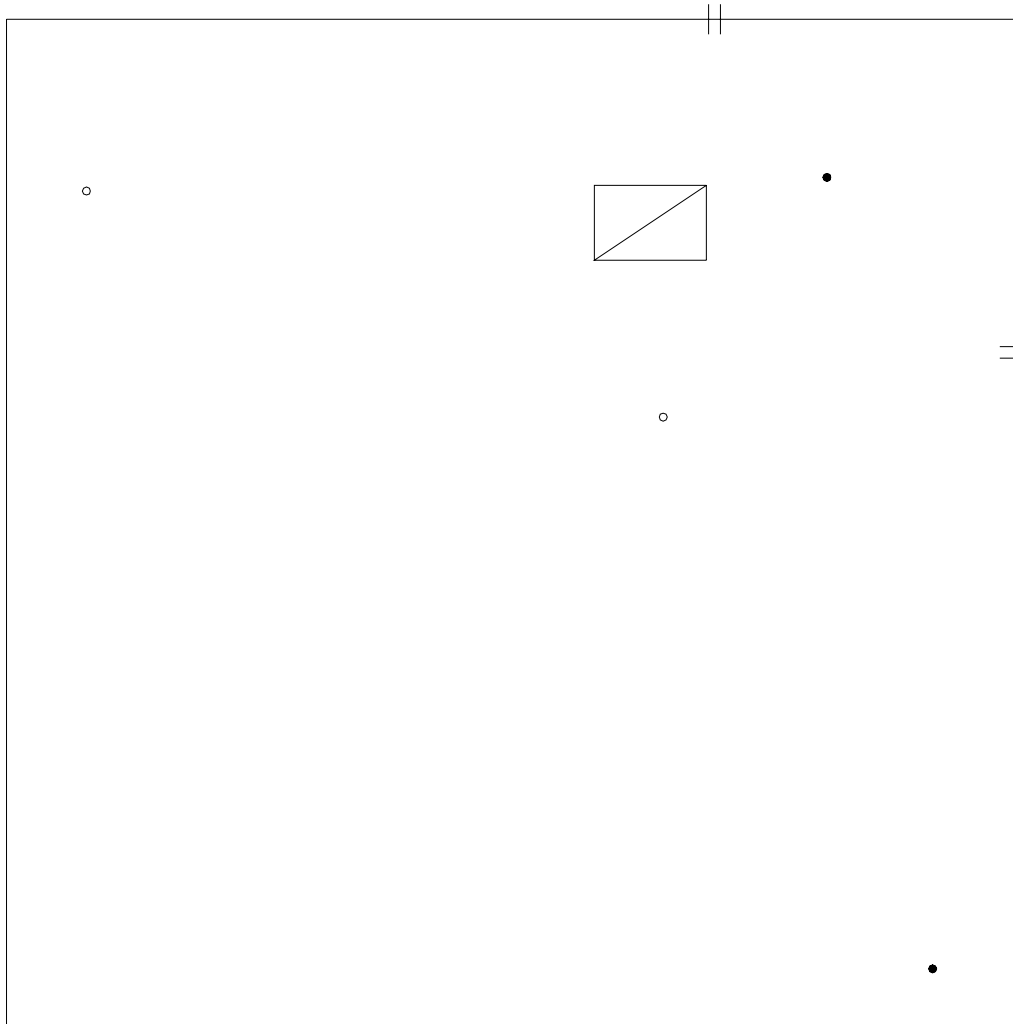
Roof Access: Main elevator to 4th floor, cross lobby to stairwell, up 1 floor to maintenance room

Total Area: 47,356 sf

A	441 sf	F	441 sf	K	4,028 sf	P	4,028 sf	U	1,300 sf
B	268 sf	G	6,760 sf	L	1,431 sf	Q	1,431 sf	V	268 sf
C	3,900 sf	H	1,580 sf	M	4,740 sf	R	441 sf	W	441 sf
D	1,300 sf	I	4,740 sf	N	1,580 sf	S	268 sf	X	940 sf
E	268 sf	J	1,431 sf	O	1,431 sf	T	3,900 sf		

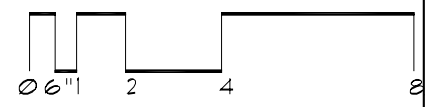
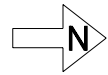


Roof Corrective Action

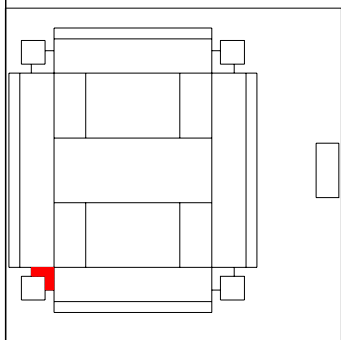
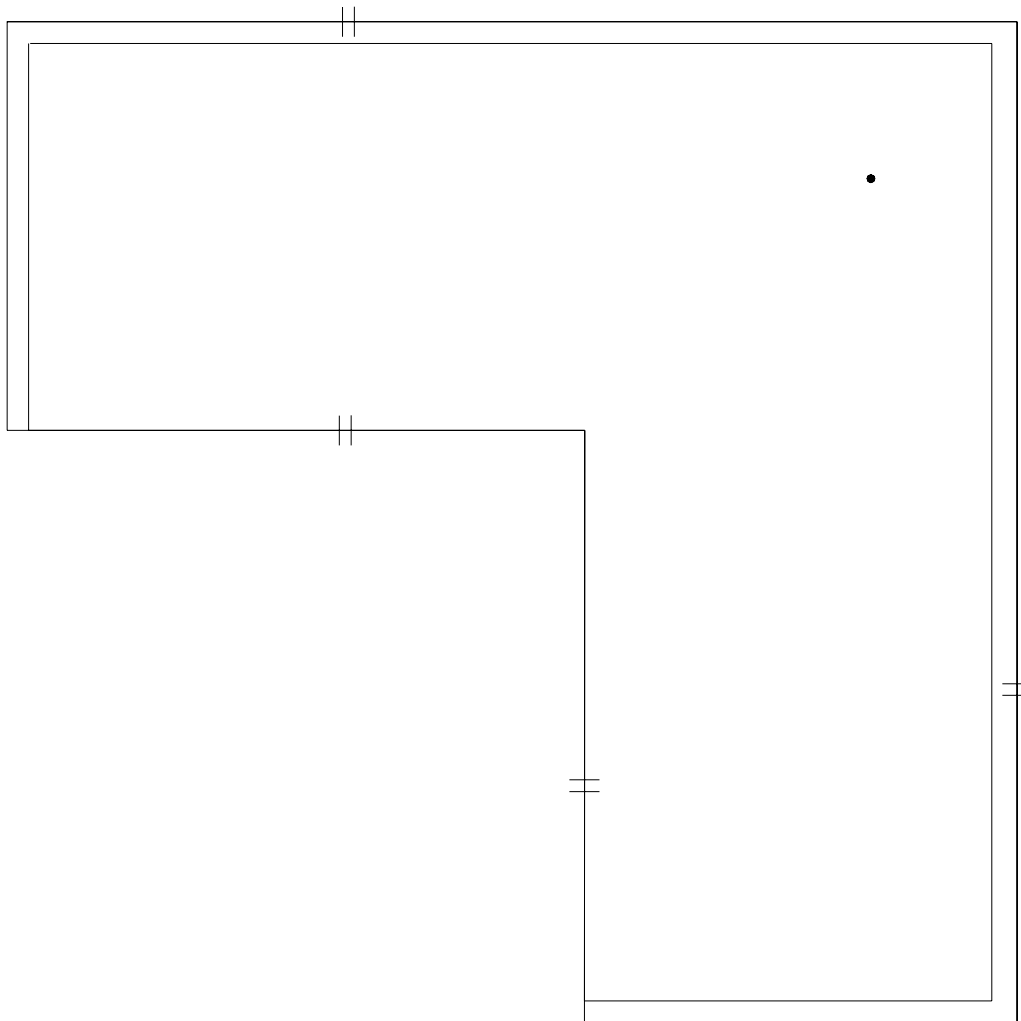


SYMBOLS KEY

⋈	SCUPPER
○	VENT STACK
●	ROOF DRAIN
☒	ROOF HATCH
	DEFECT-REPAIR

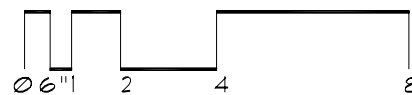


Roof Corrective Action

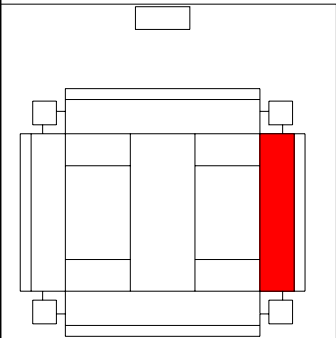
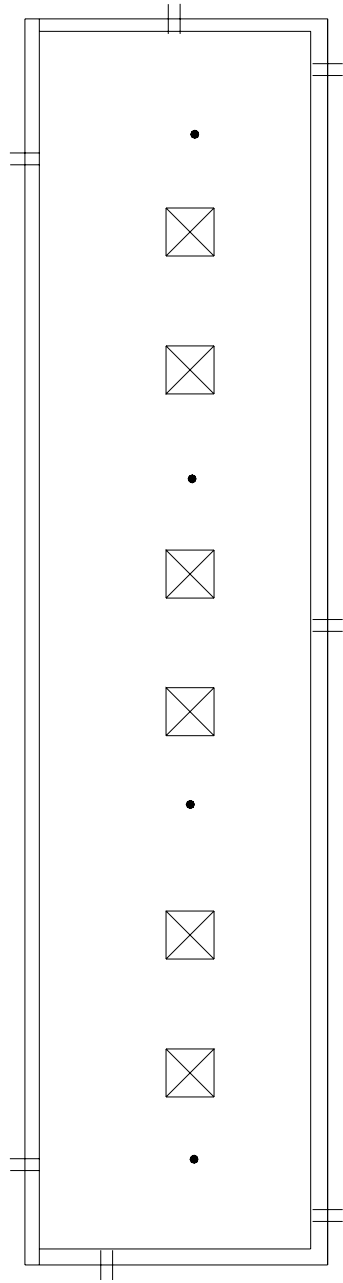


SYMBOLS KEY

- || SCUPPER
- ROOF DRAIN
- ⓪ DEFECT-NO REPAIR

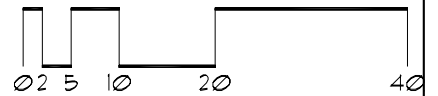


Roof Corrective Action

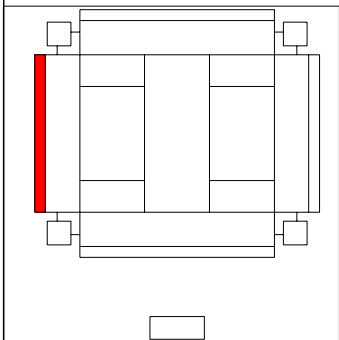
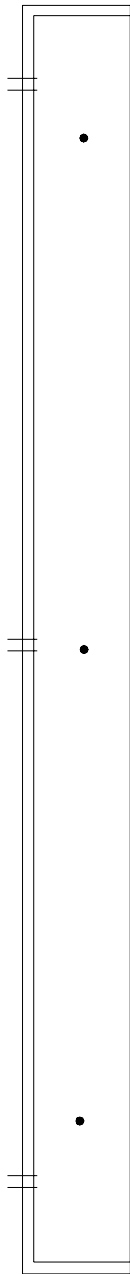


SYMBOLS KEY

⊥	SCUPPER
●	ROOF DRAIN
☒	SKYLIGHT
①	DEFECT-REPAIR

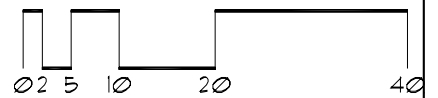
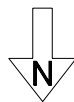


Roof Corrective Action

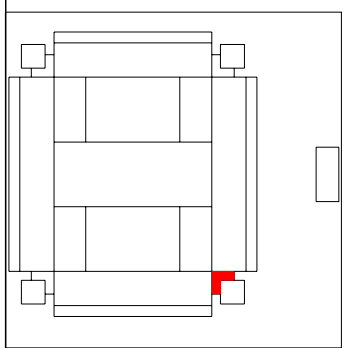
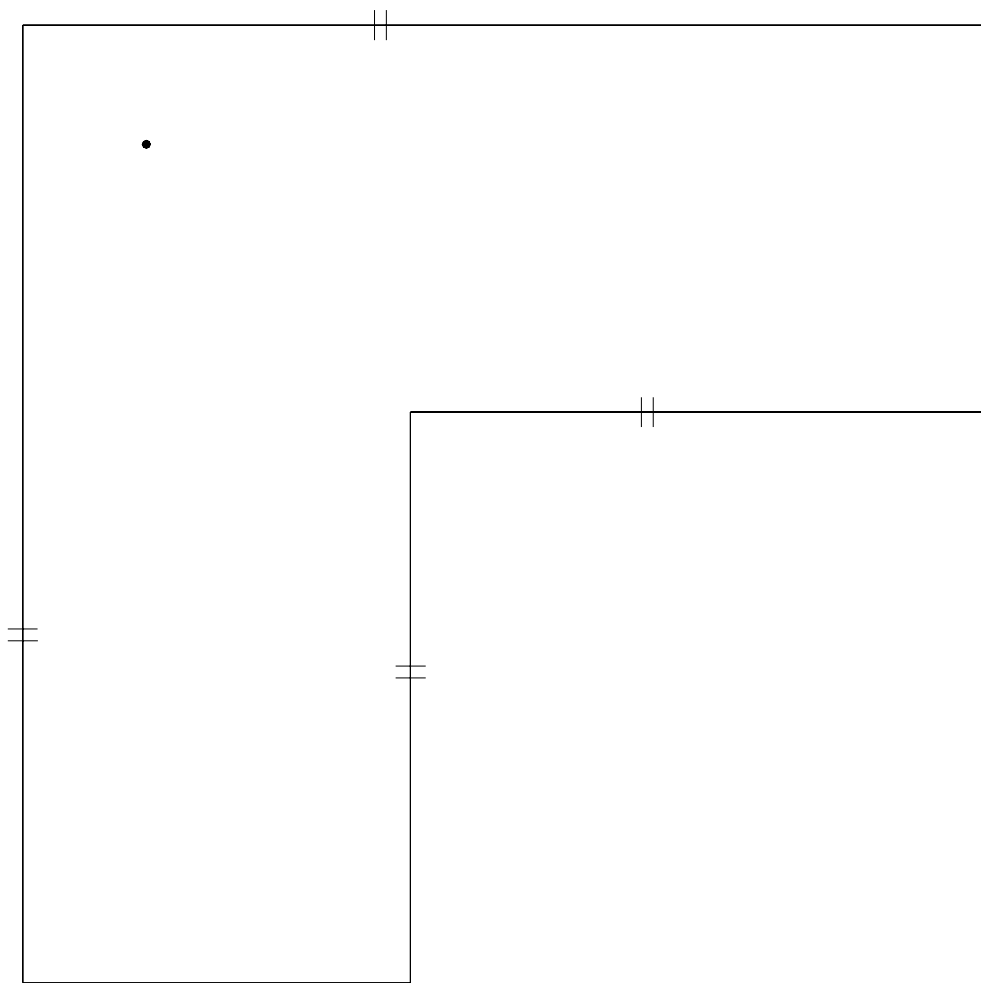


SYMBOLS KEY

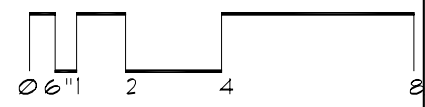
- † SCUPPER
- ROOF DRAIN
- Ⓢ DEFECT-REPAIR



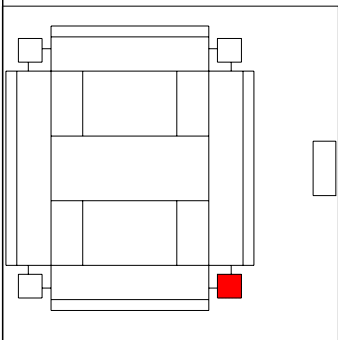
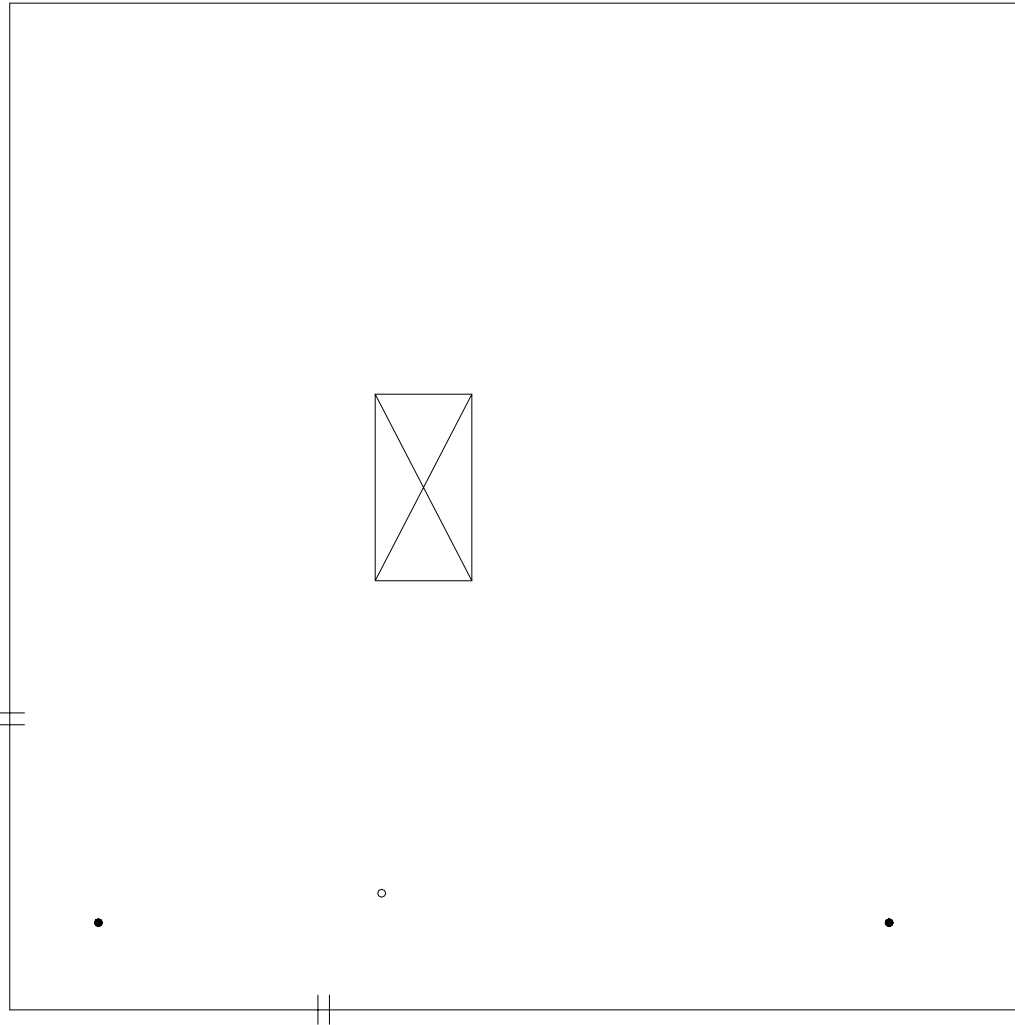
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
● ROOF DRAIN

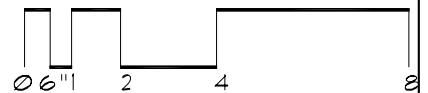
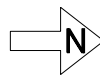


Roof Corrective Action

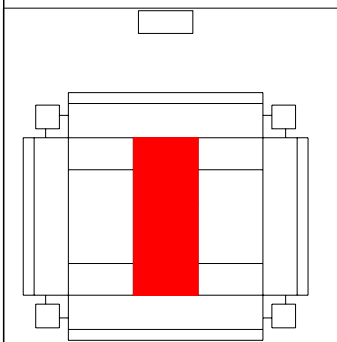
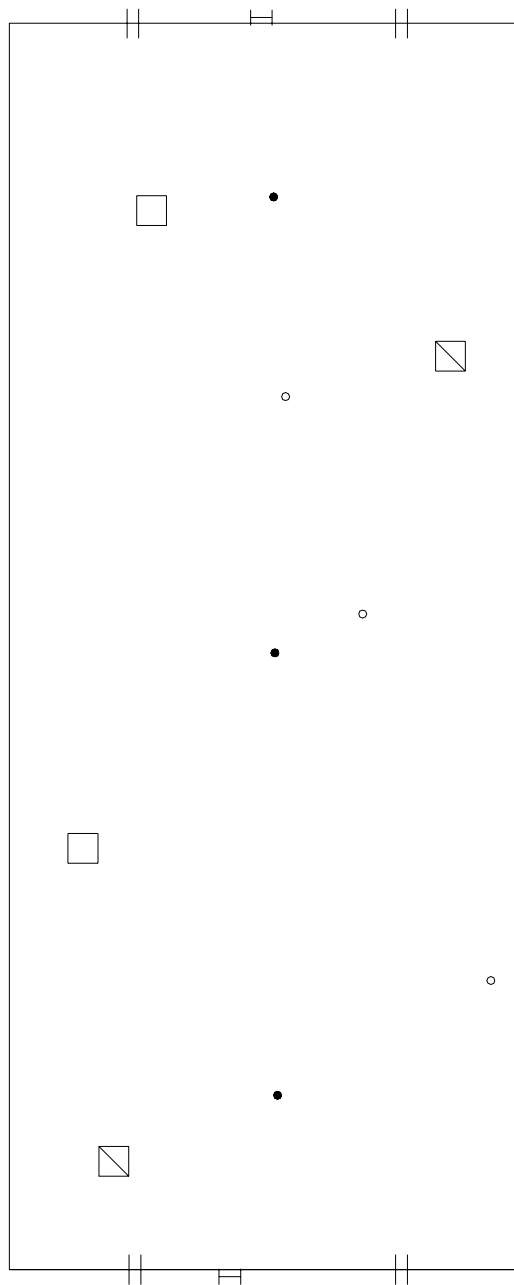


SYMBOLS KEY

- ROOF DRAIN
- ⊥ SCUPPER
- ⊠ SKYLIGHT
- Ⓢ DEFECT-REPAIR

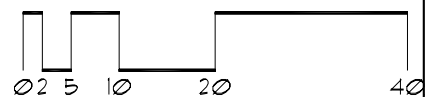


Roof Corrective Action

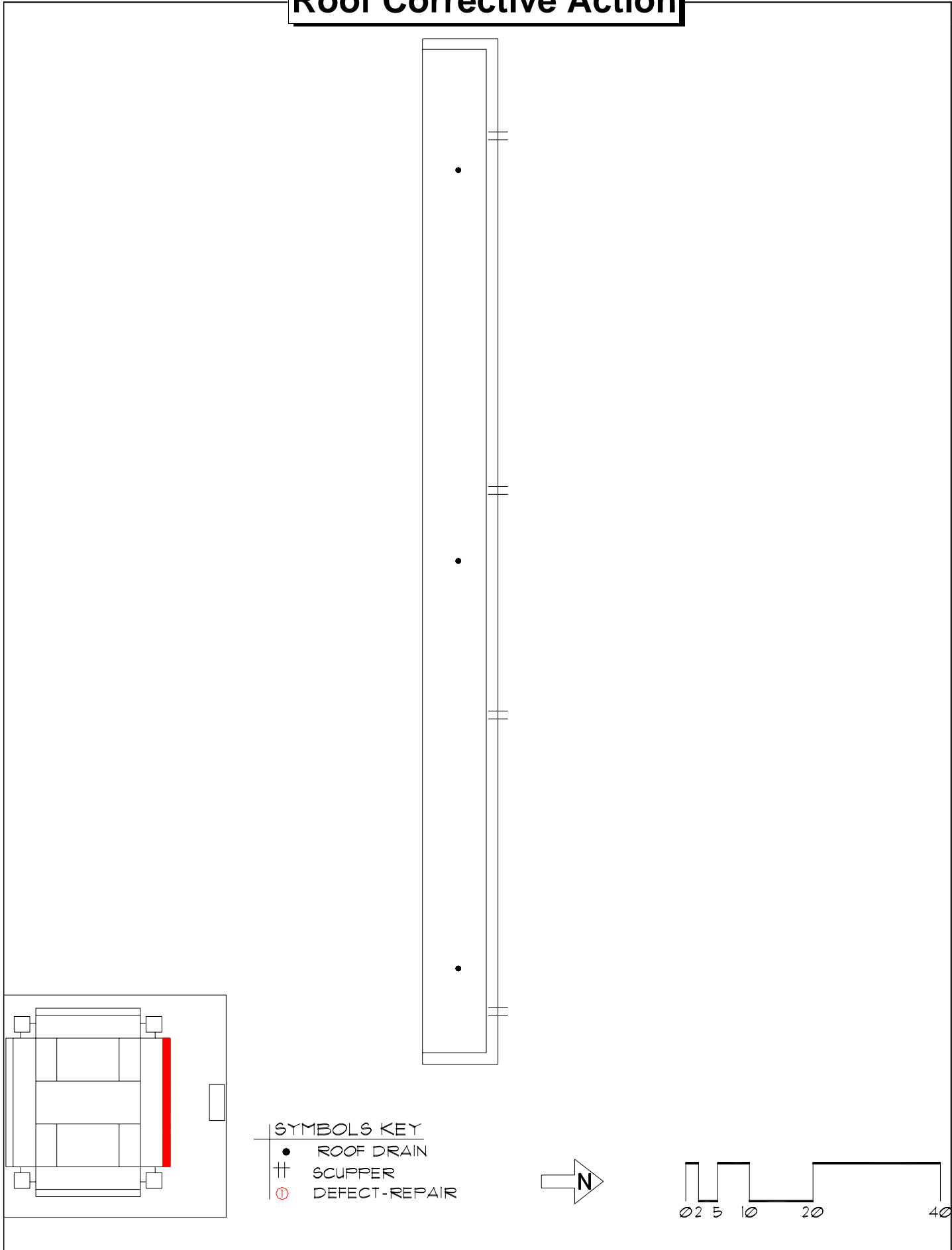


SYMBOLS KEY

- || SCUPPER
- VENT STACK
- ROOF DRAIN
- ROOF CURB
- ▣ ROOF HATCH



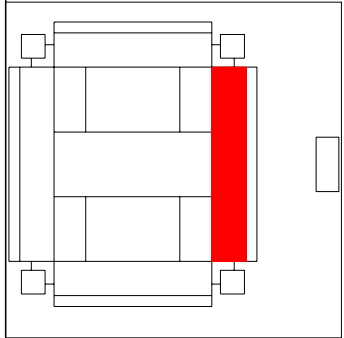
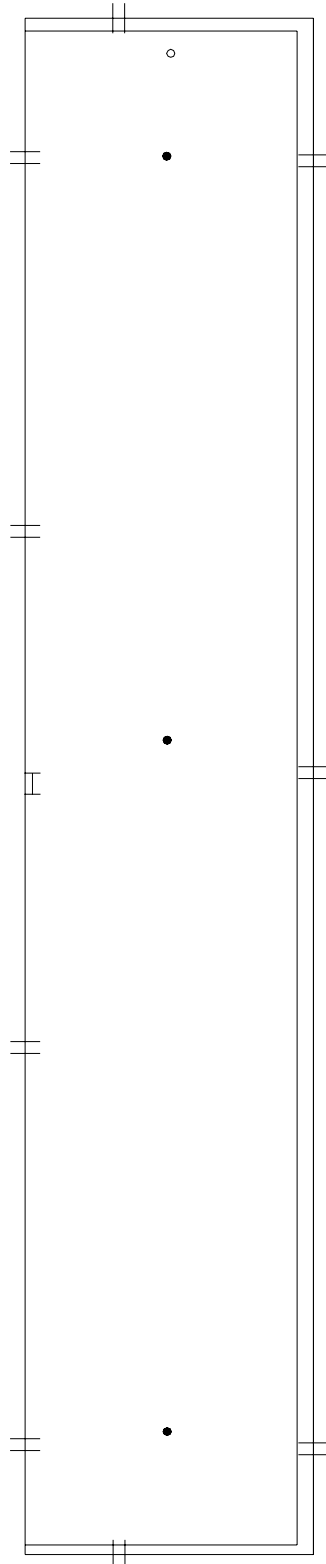
Roof Corrective Action



SYMBOLS KEY

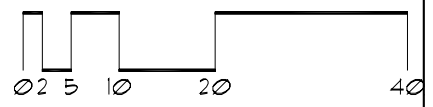
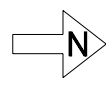
- ROOF DRAIN
- † SCUPPER
- Ⓢ DEFECT-REPAIR

Roof Corrective Action

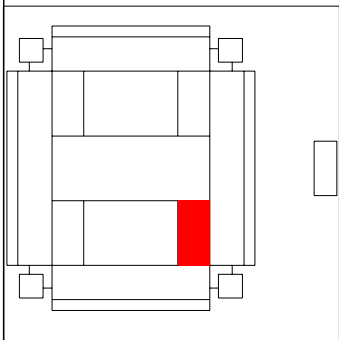
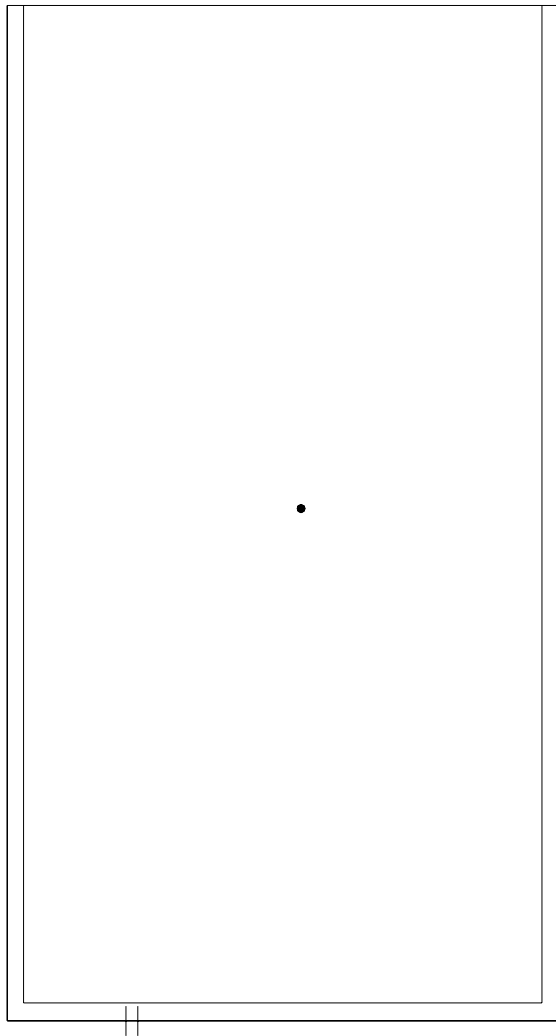


SYMBOLS KEY

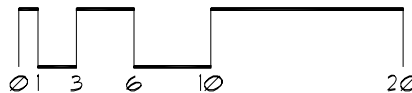
⊕	SCUPPER
●	ROOF DRAIN
H	LADDER
⊖	DEFECT-REPAIR



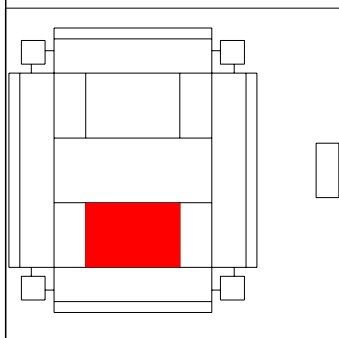
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
• ROOF DRAIN



Roof Corrective Action

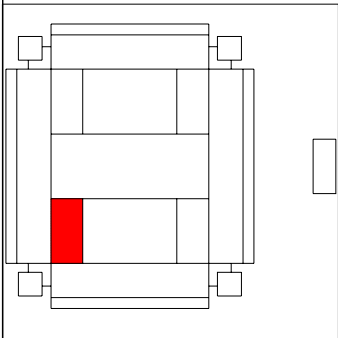
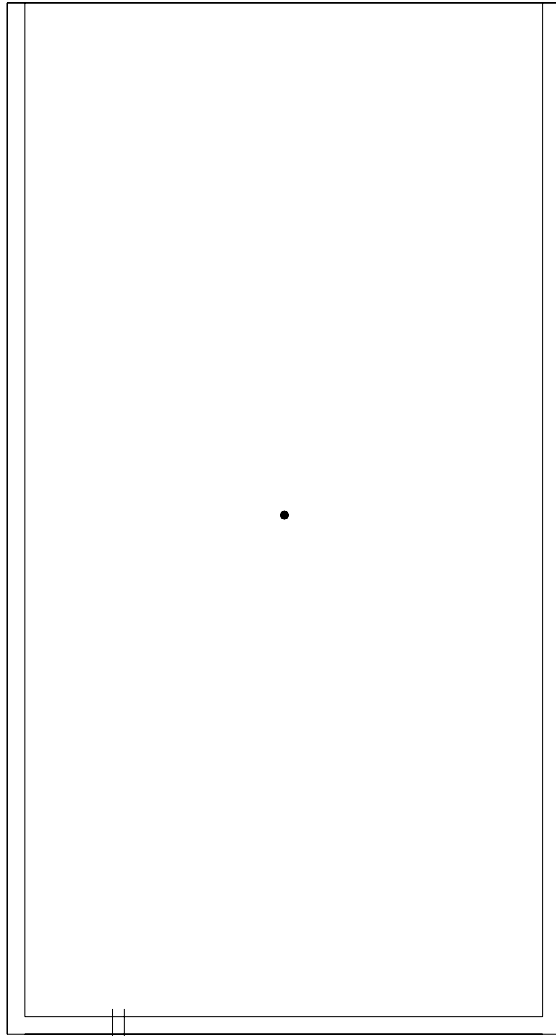


SYMBOLS KEY

- VENT STACK
- ROOF CURB
- H LADDER
- ① DEFECT-REPAIR

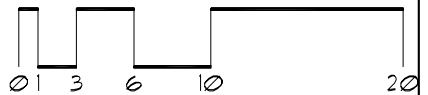


Roof Corrective Action

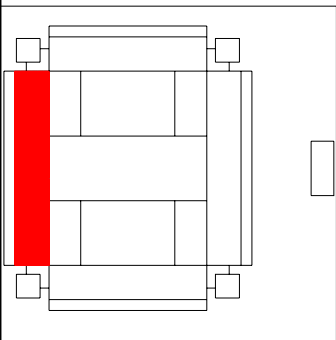
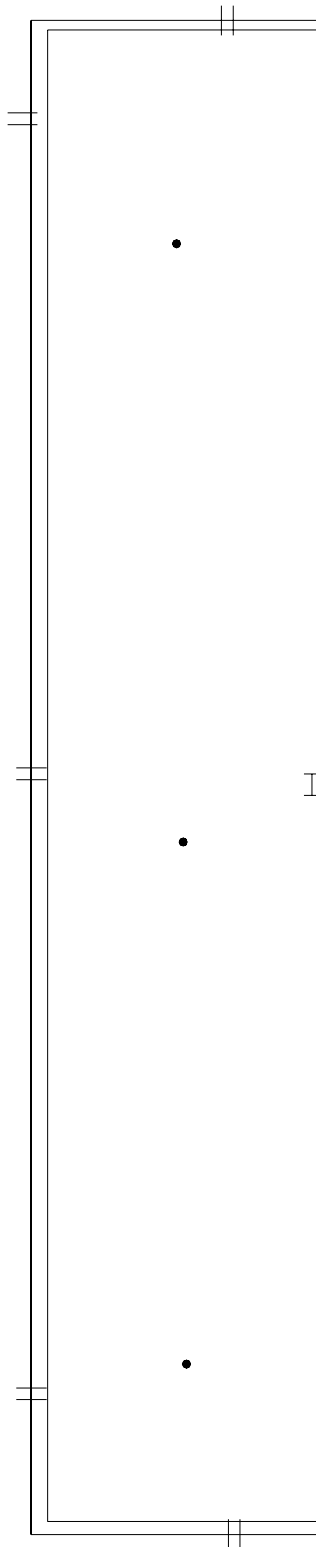


SYMBOLS KEY

- || SCUPPER
- ROOF DRAIN

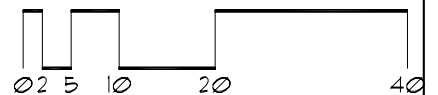


Roof Corrective Action

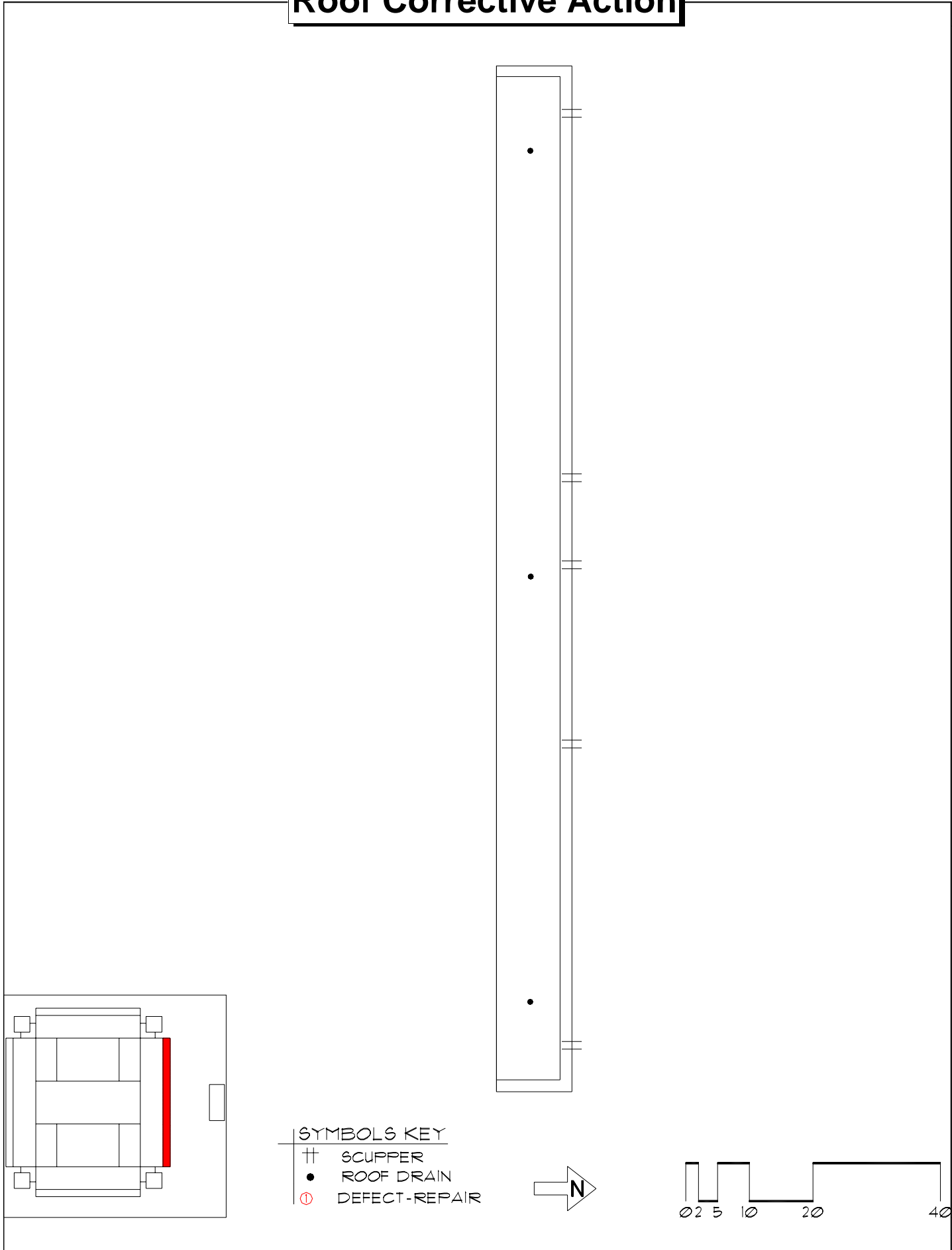


SYMBOLS KEY

- ⊥ SCUPPER
- ROOF DRAIN
- H LADDER
- Ⓢ DEFECT-REPAIR

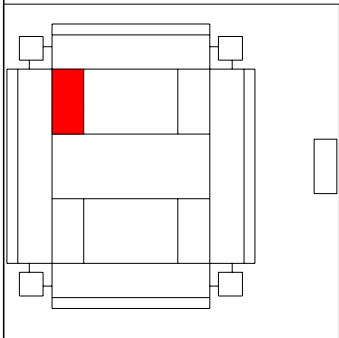
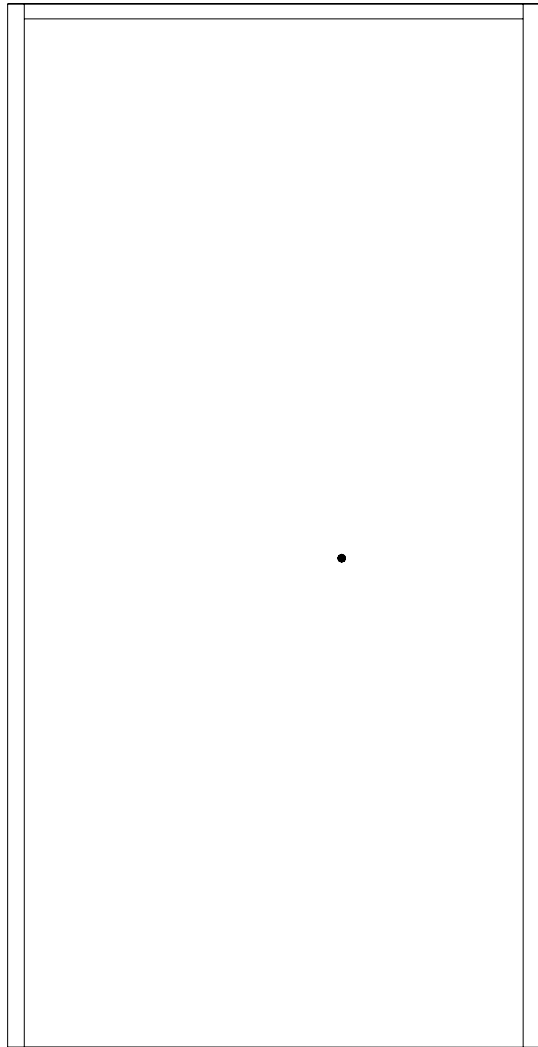


Roof Corrective Action

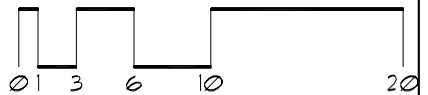
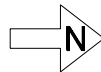


SYMBOLS KEY
|| SCUPPER
● ROOF DRAIN
① DEFECT-REPAIR

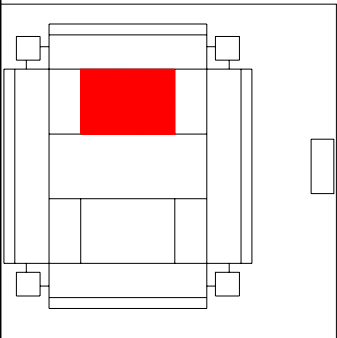
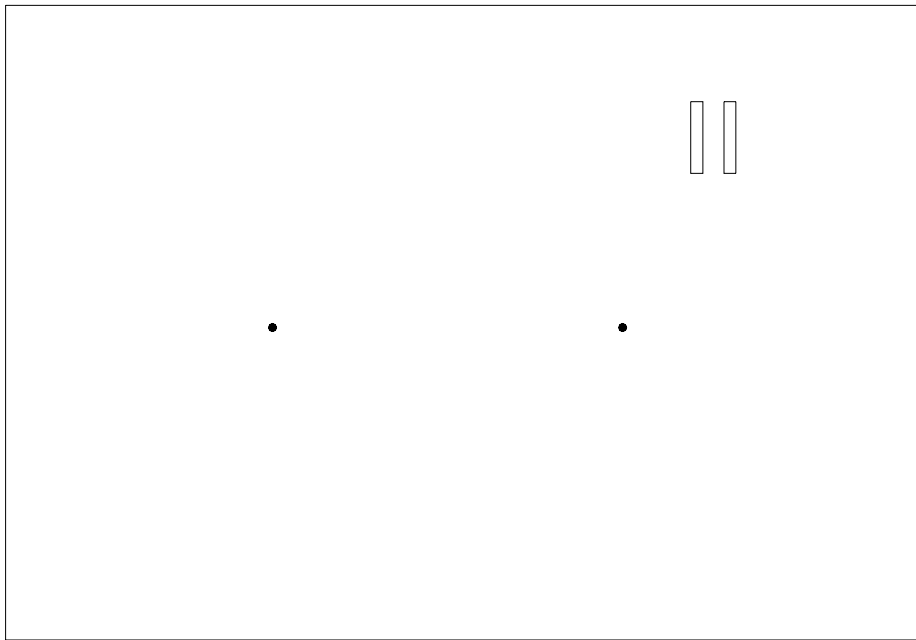
Roof Corrective Action



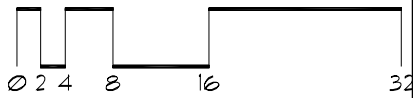
SYMBOLS KEY
● ROOF DRAIN
① DEFECT-NO REPAIR



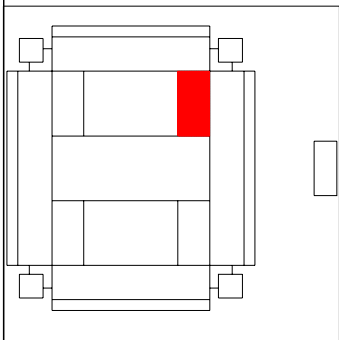
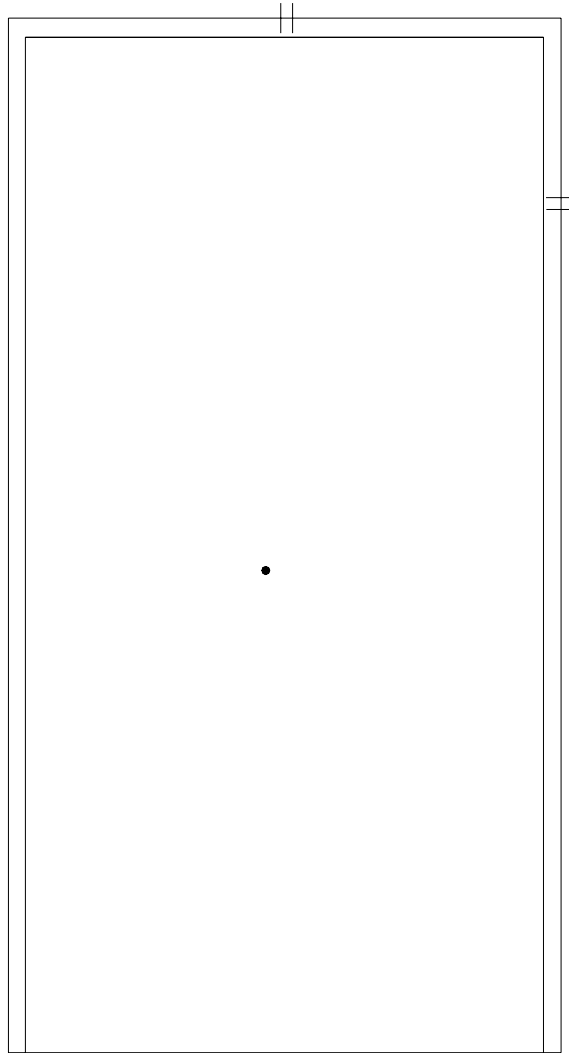
Roof Corrective Action



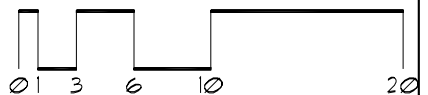
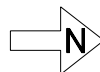
SYMBOLS KEY
• ROOF DRAIN



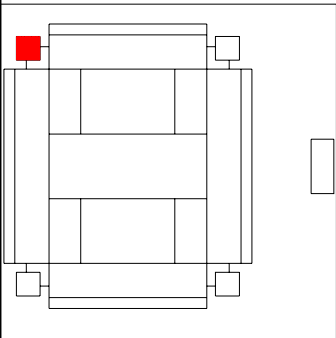
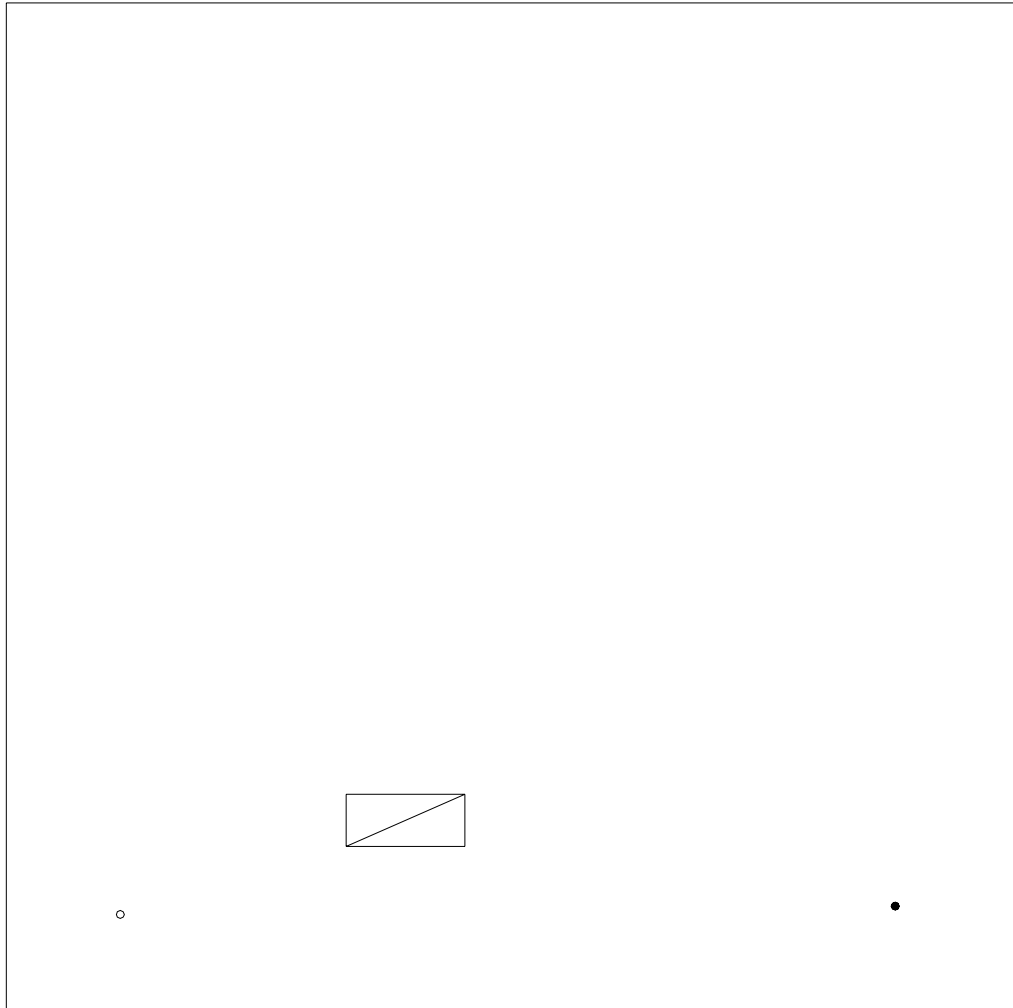
Roof Corrective Action



- SYMBOLS KEY**
- ⊥ SCUPPER
 - ROOF DRAIN
 - ① DEFECT-REPAIR



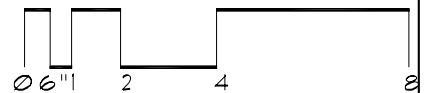
Roof Corrective Action



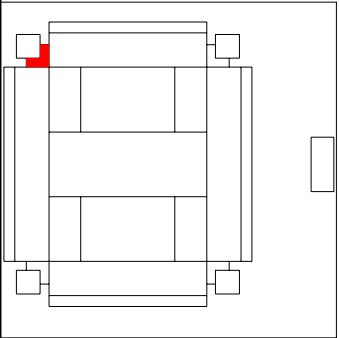
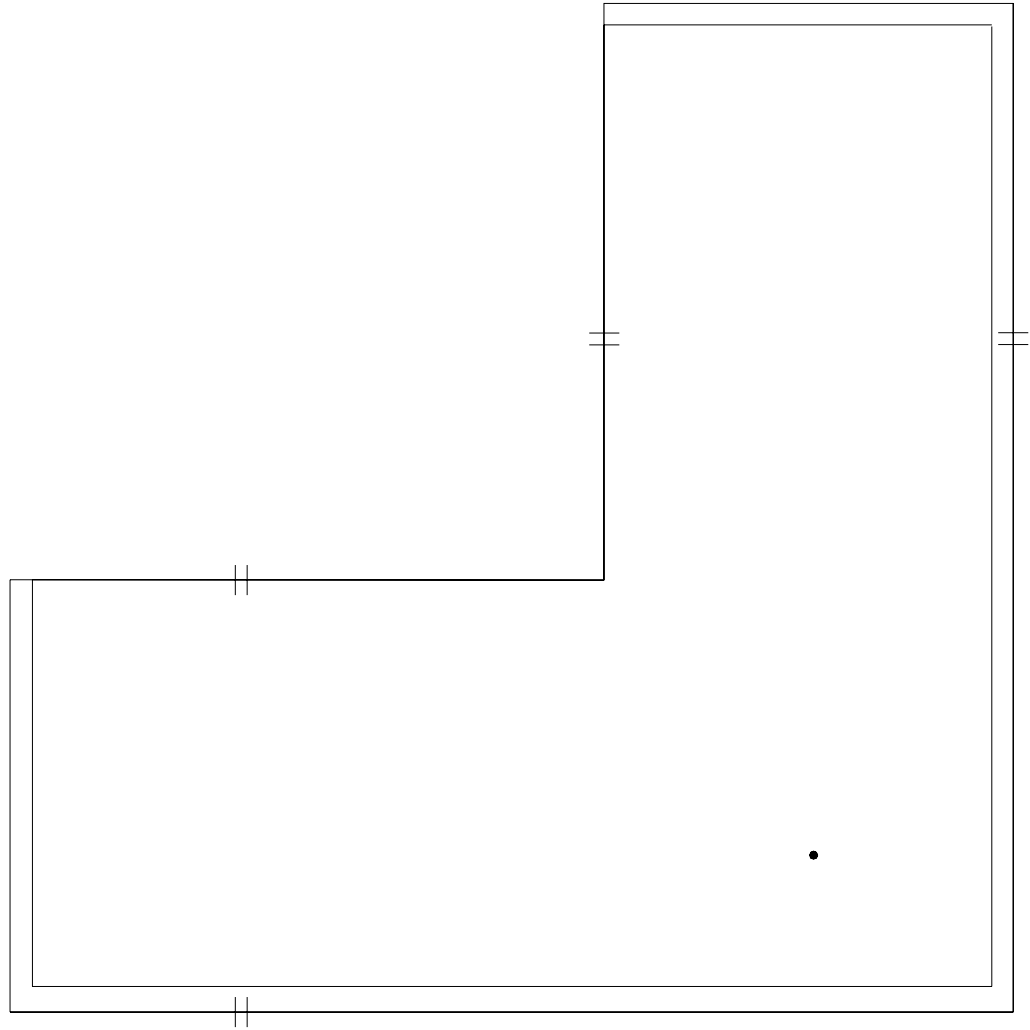
ROOF HATCH

SYMBOLS KEY

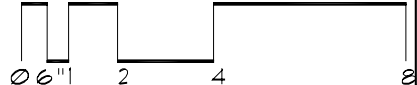
- VENT STACK
- ROOF DRAIN
- ◻



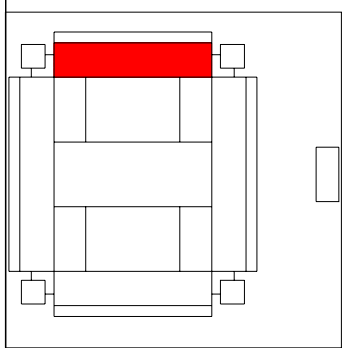
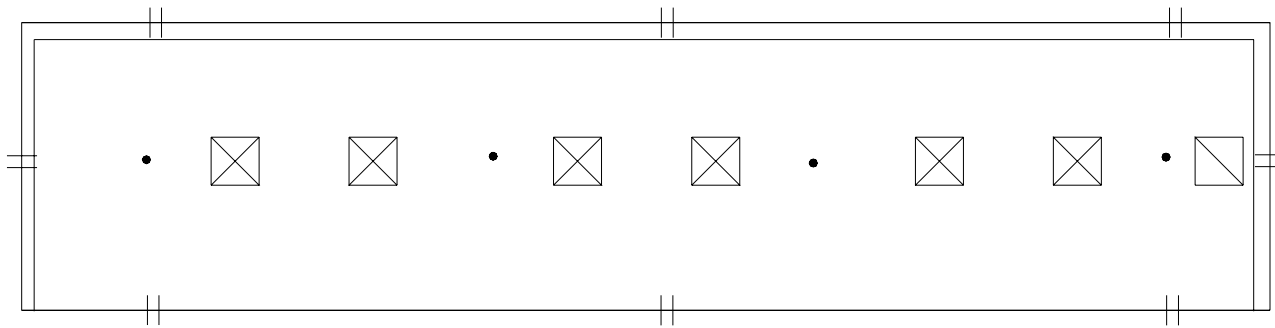
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
• ROOF DRAIN

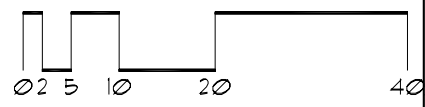


Roof Corrective Action

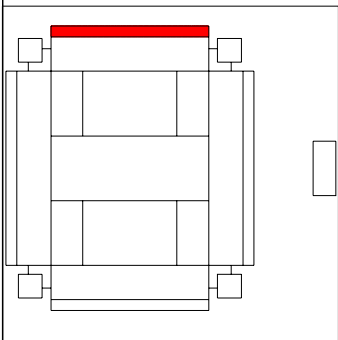
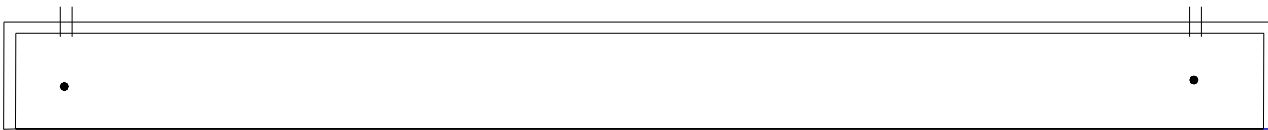


SYMBOLS KEY

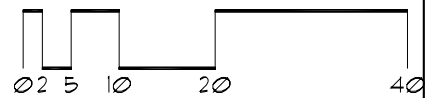
- || SCUPPER
- ROOF DRAIN
- ☒ SKYLIGHT
- ①



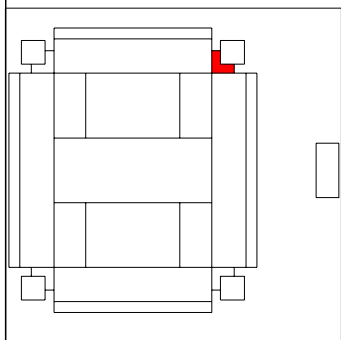
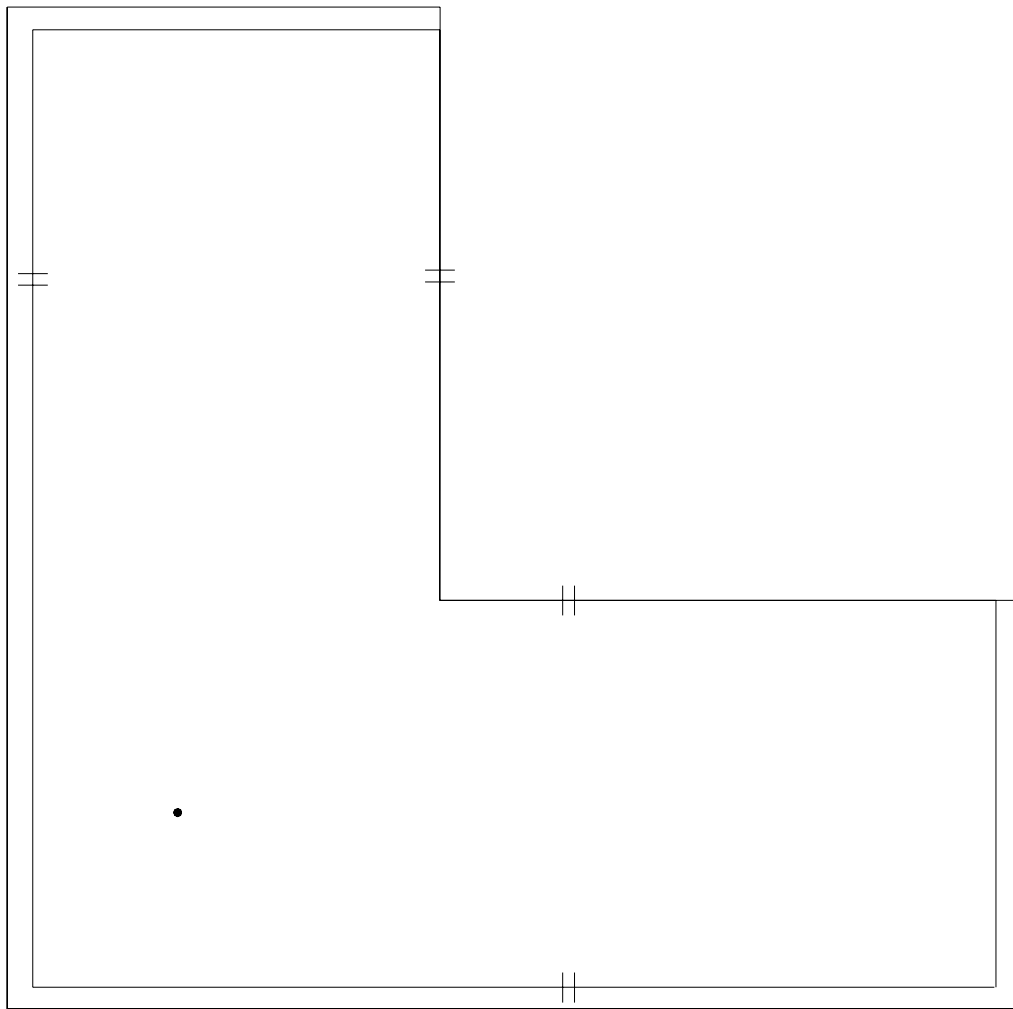
Roof Corrective Action



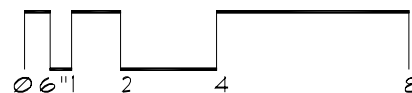
SYMBOLS KEY
|| SCUPPER
• ROOF DRAIN
①



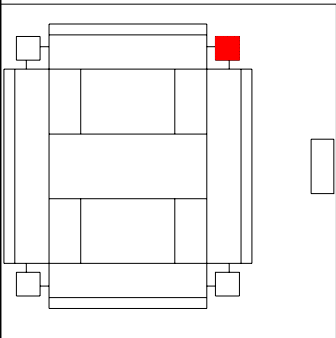
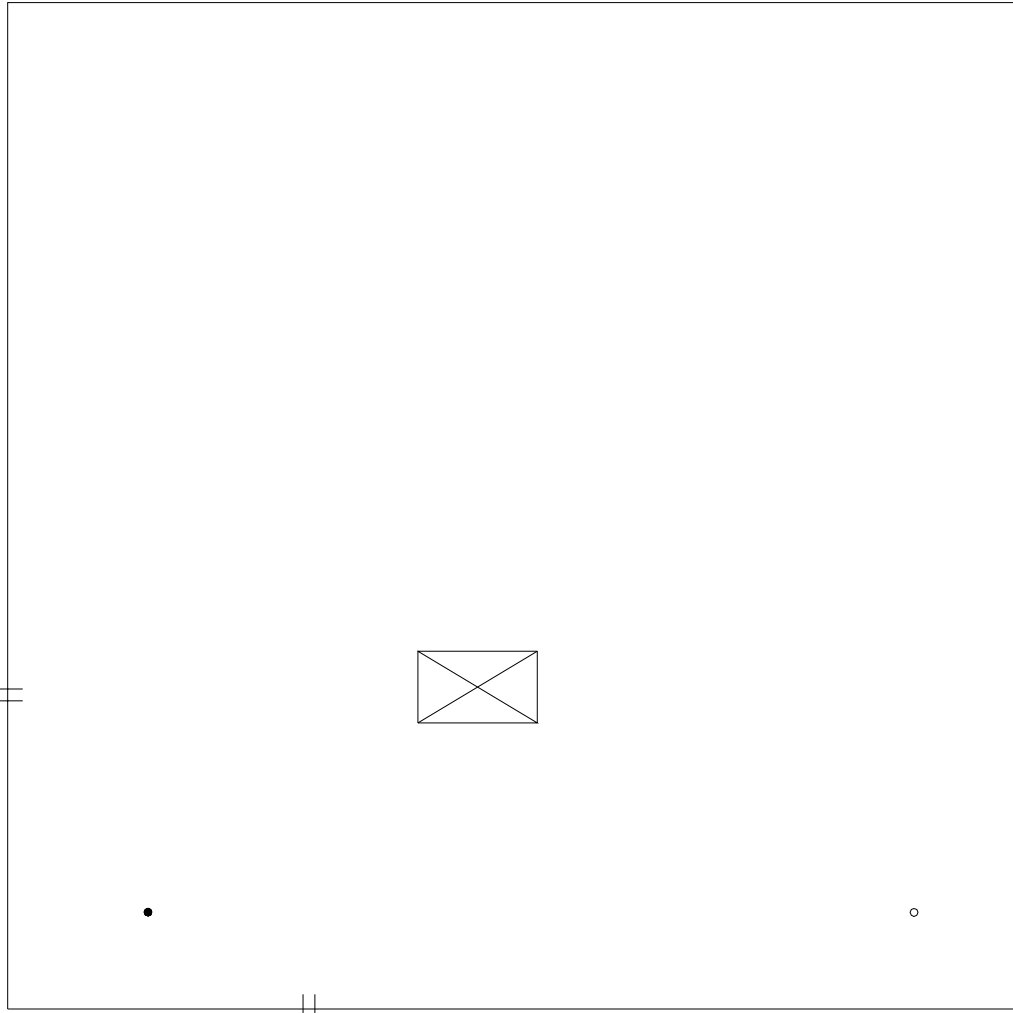
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
● ROOF DRAIN

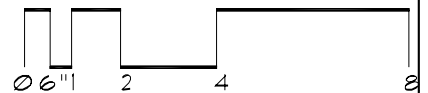


Roof Corrective Action

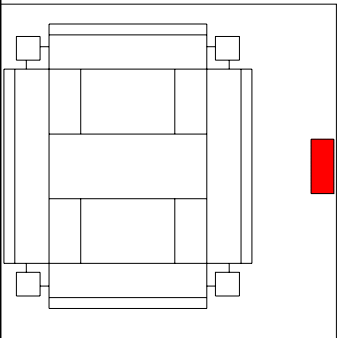
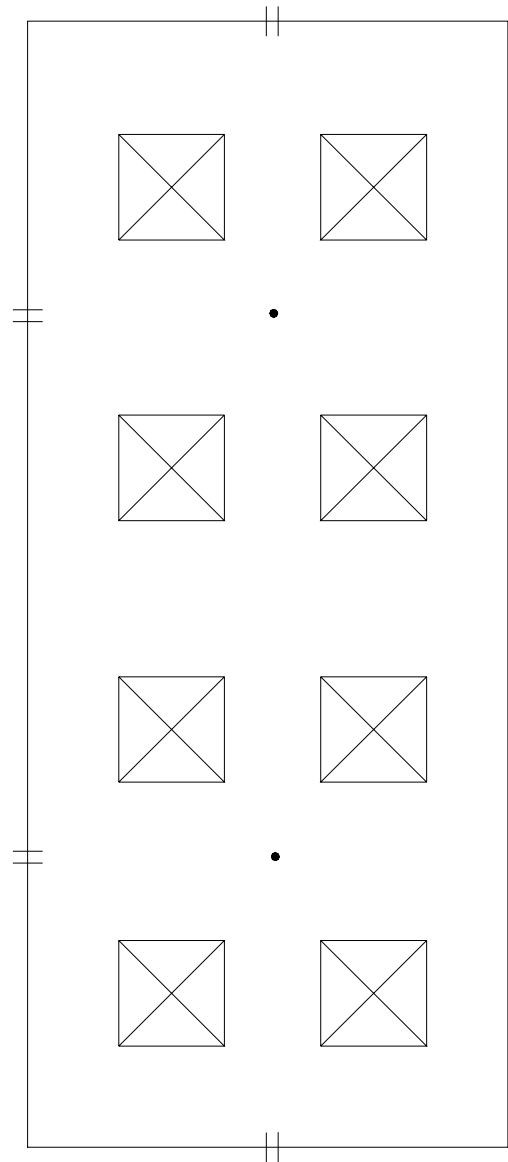


SYMBOLS KEY

- || SCUPPER
- ☒ SKYLIGHT
- ROOF DRAIN

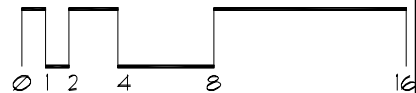


Roof Corrective Action



SYMBOLS KEY

	SCUPPER
•	ROOF DRAIN
☒	SKYLIGHT



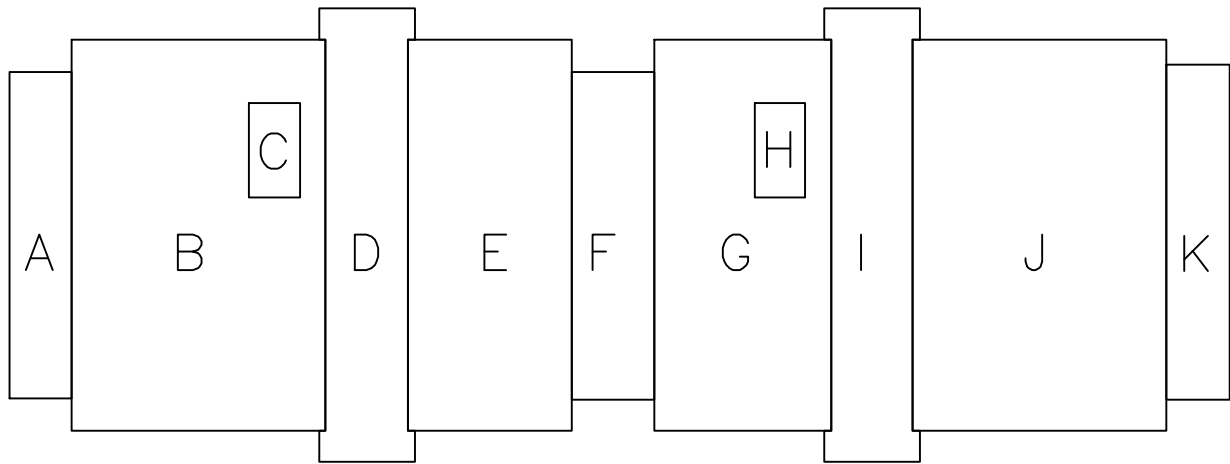
Roof ID

Building: 01.205 - Anderson Hall - (257 19th Avenue South)

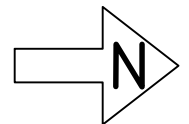
Roof Access: One of two hatches from penthouse at D and I, proceed on shipsladders

Total SF: 15,599 sf

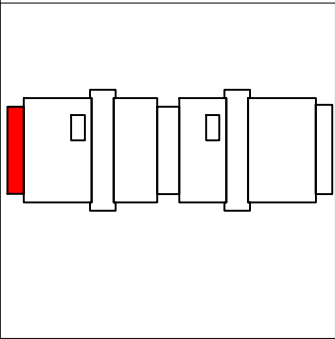
<u>A: 500 sf</u>	<u>J: 3,540 sf</u>
<u>B: 3,380 sf</u>	<u>K: 500 sf</u>
<u>C: 160 sf</u>	
<u>D: 650 sf</u>	
<u>E: 2,880 sf</u>	
<u>F: 459 sf</u>	
<u>G: 2,720 sf</u>	
<u>H: 160 sf</u>	
<u>I: 650 sf</u>	



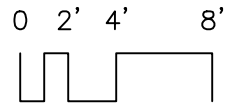
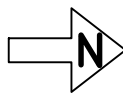
SYMBOLS KEY



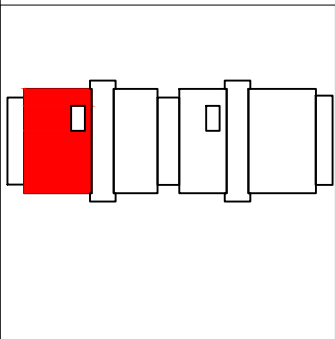
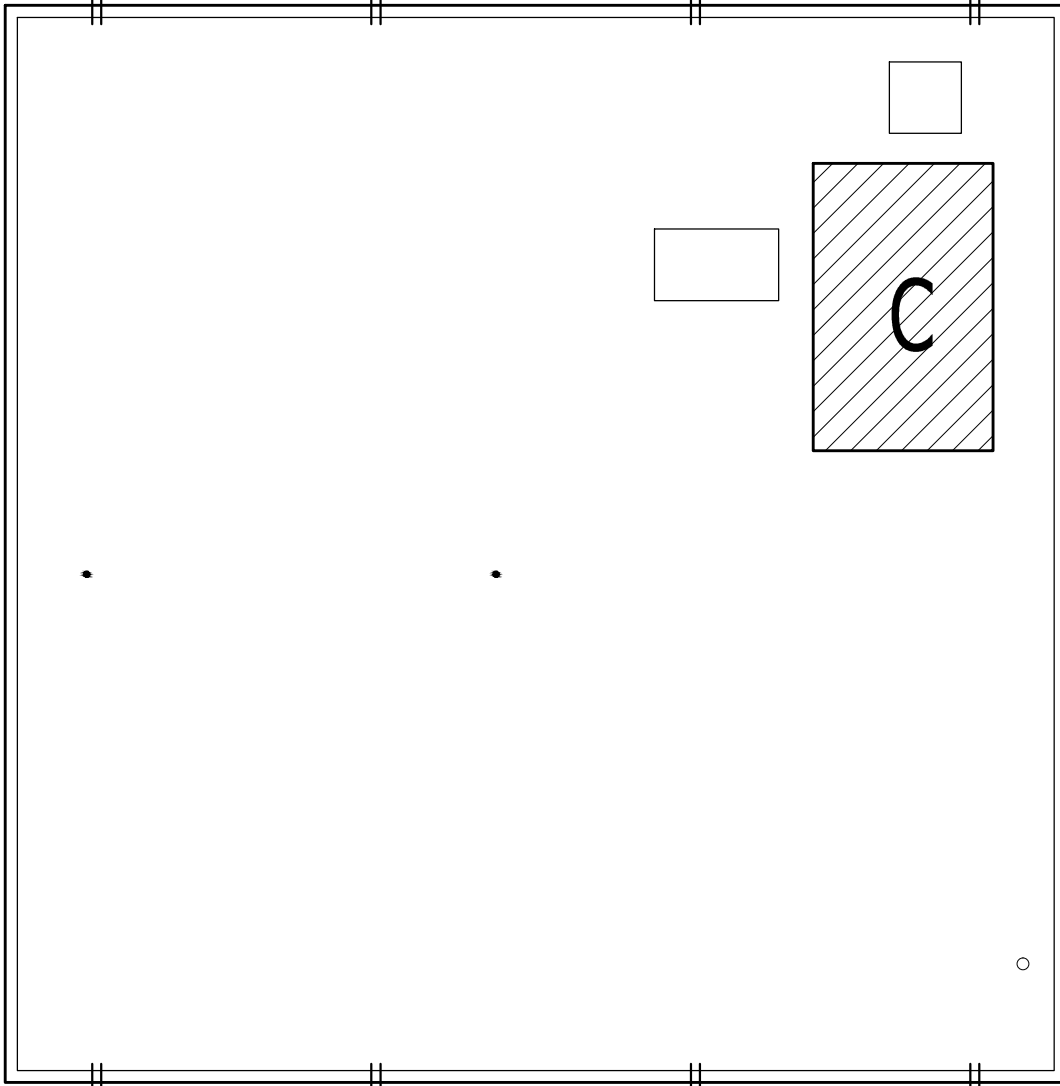
Roof Corrective Action



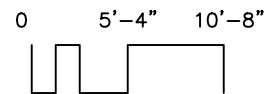
SYMBOLS KEY	
•	ROOF DRAIN
TT	SHIPSLADDER



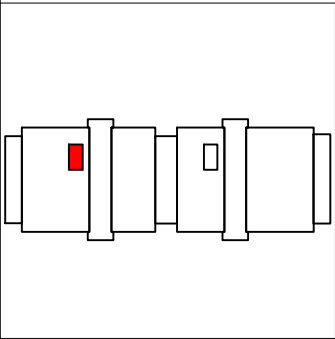
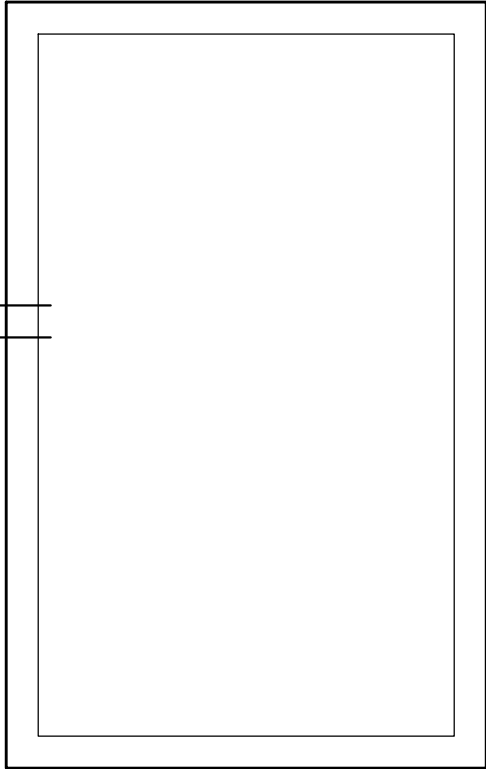
Roof Corrective Action



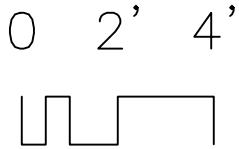
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
≡	SCUPPER
○	VENT



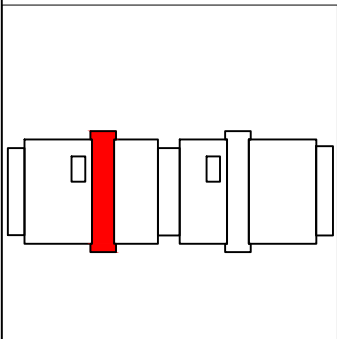
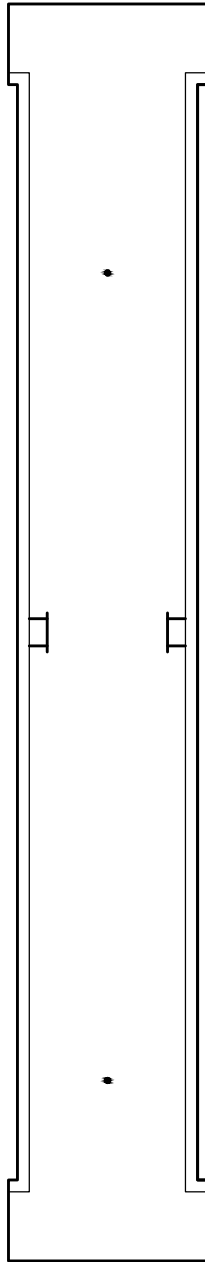
Roof Corrective Action



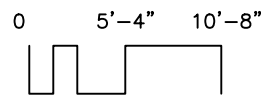
SYMBOLS KEY
|| SCUPPER



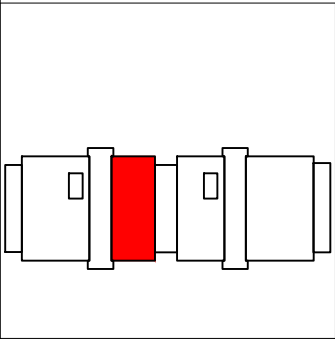
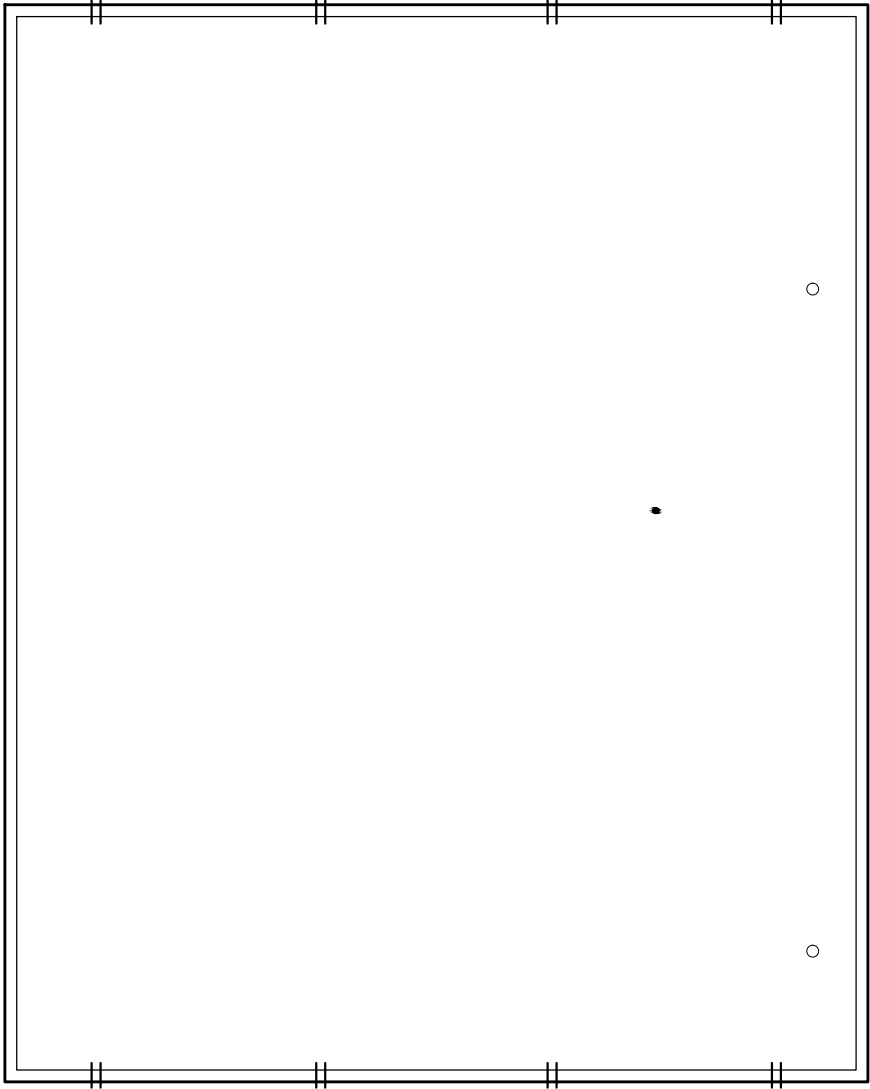
Roof Corrective Action



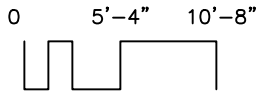
SYMBOLS KEY
● ROOF DRAIN
TT SHIPSLADDER



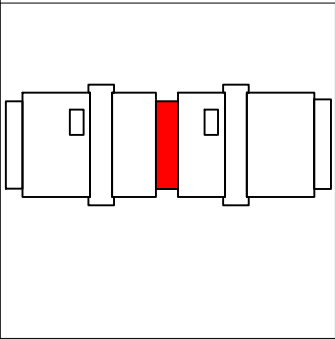
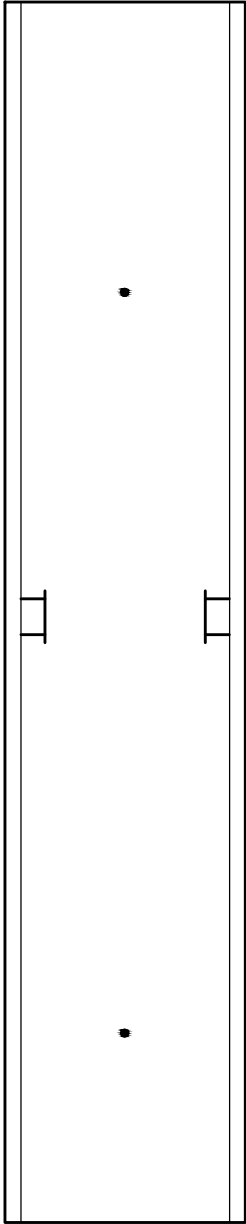
Roof Corrective Action



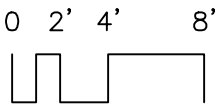
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



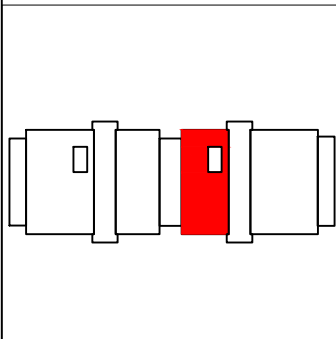
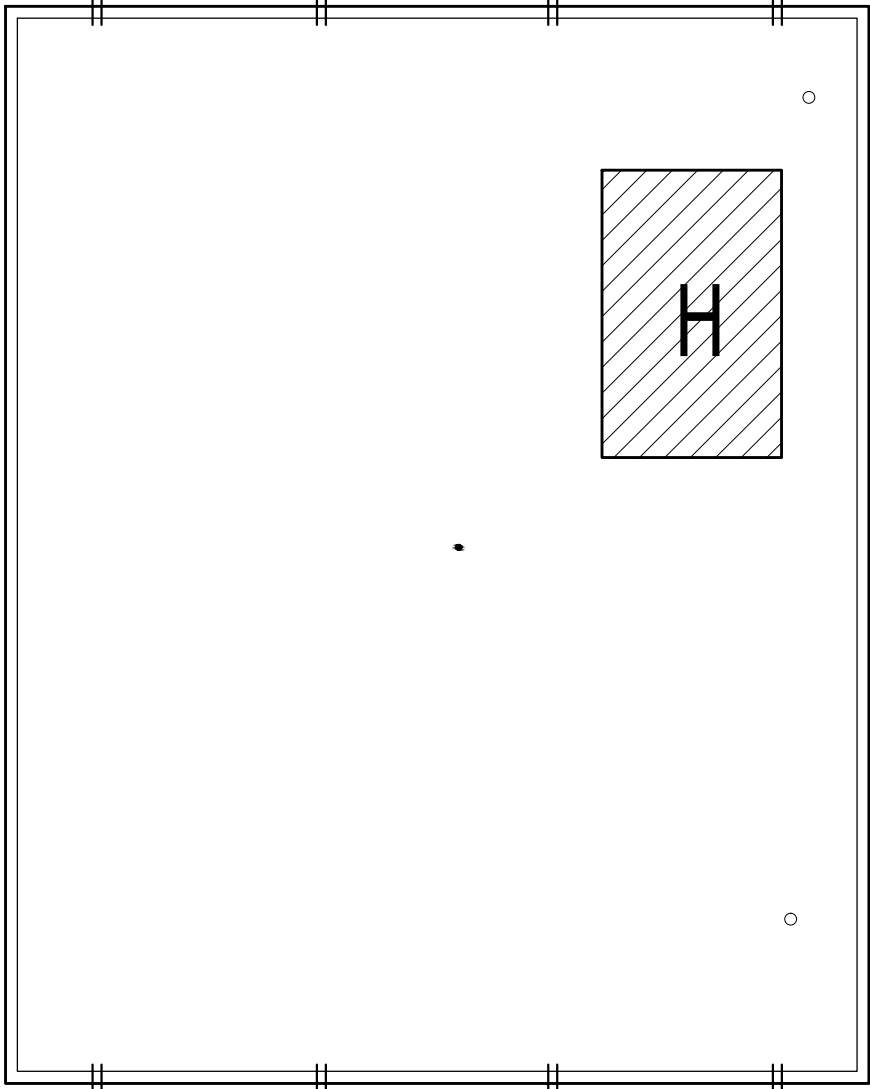
Roof Corrective Action



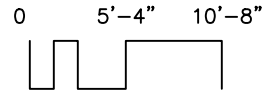
SYMBOLS KEY
● ROOF DRAIN
TT SHIPSLADDER



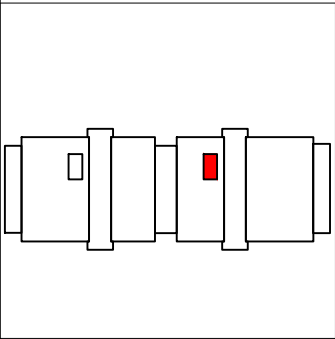
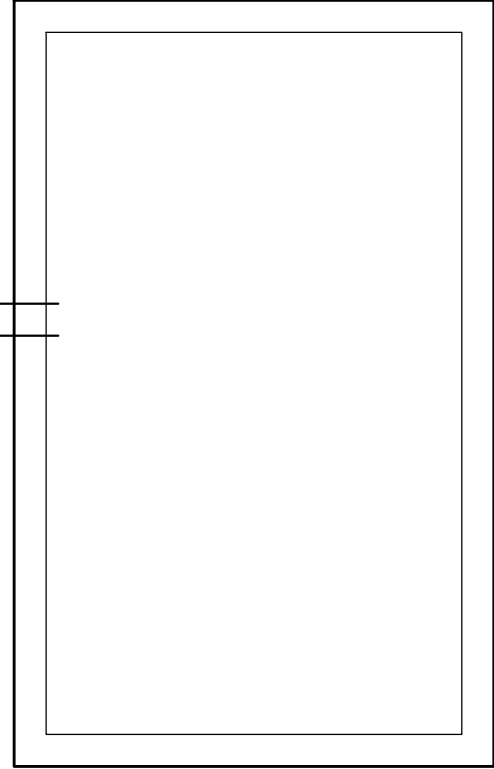
Roof Corrective Action



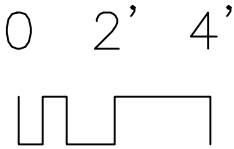
SYMBOLS KEY
● ROOF DRAIN
‡ SCUPPER
○ VENT



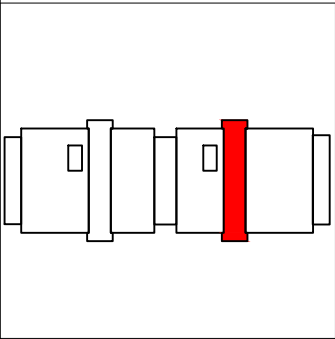
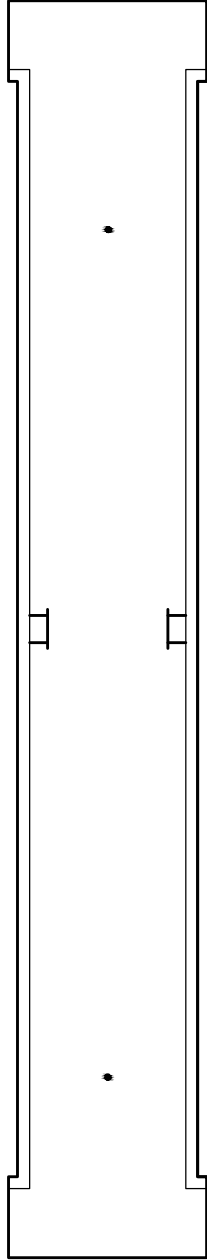
Roof Corrective Action



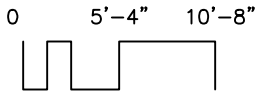
SYMBOLS KEY
|| SCUPPER



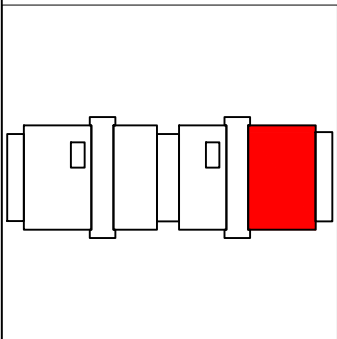
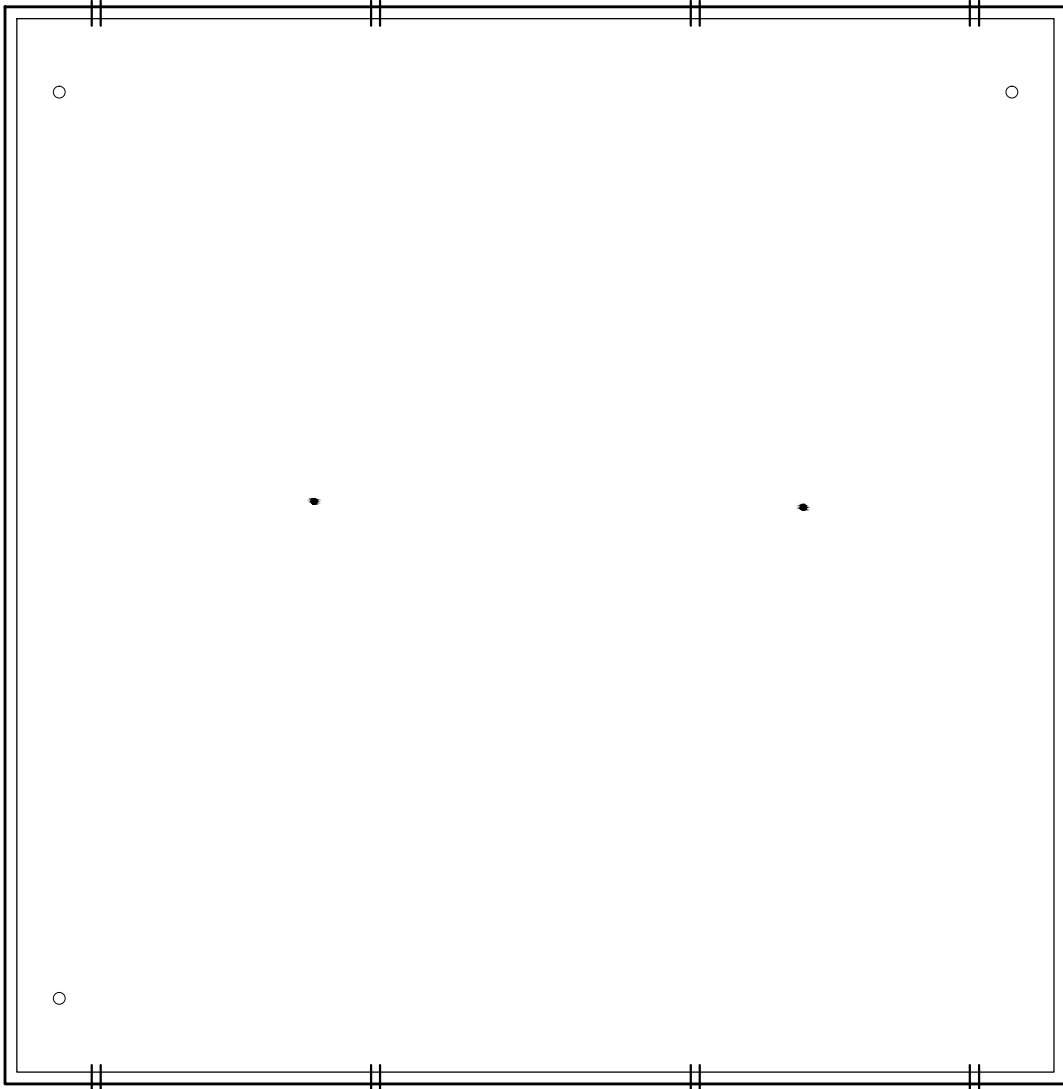
Roof Corrective Action



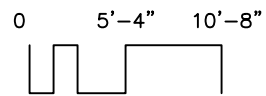
SYMBOLS KEY	
●	ROOF DRAIN
TT	SHIPSLADDER



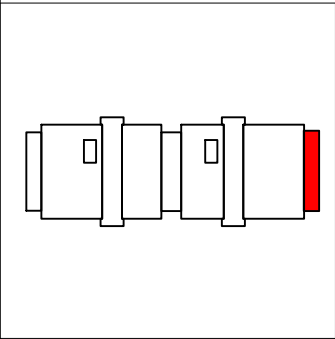
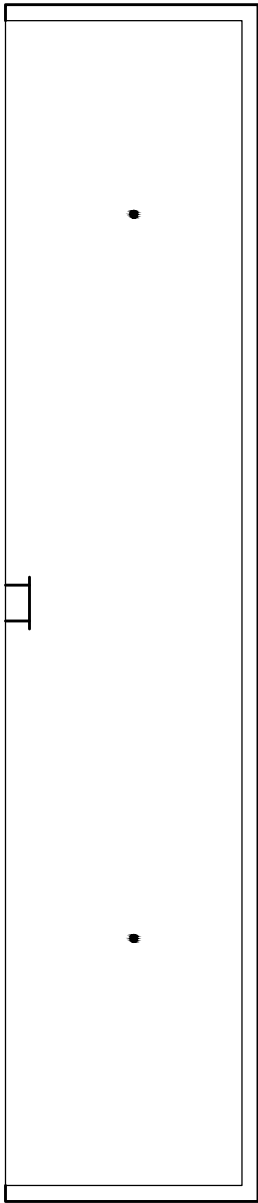
Roof Corrective Action



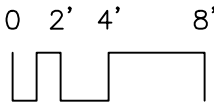
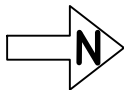
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
TT SHIPSLADDER



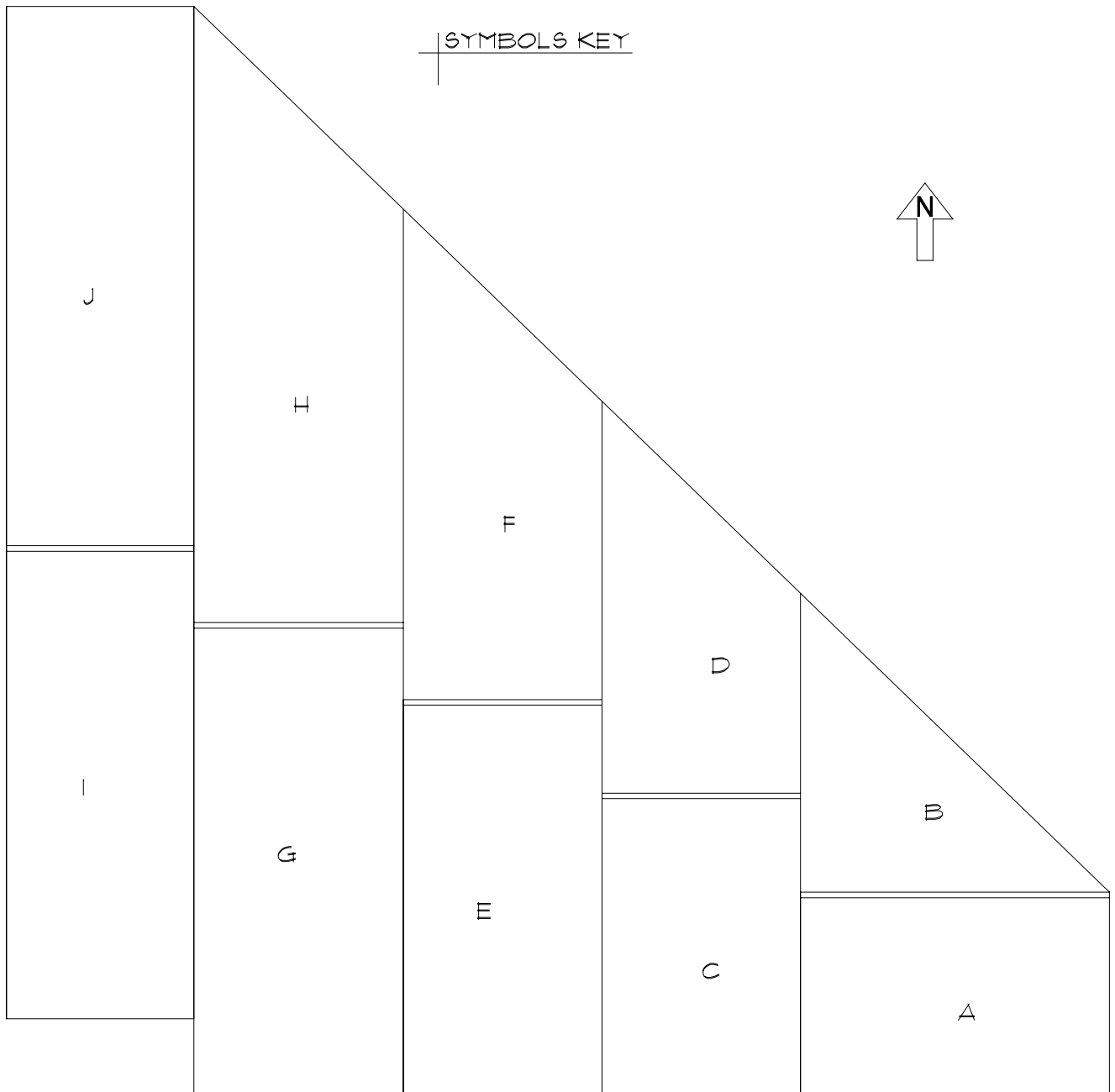
Roof ID

Building: WB207 - Willey Hall - (225 19th Avenue S Minneapolis)

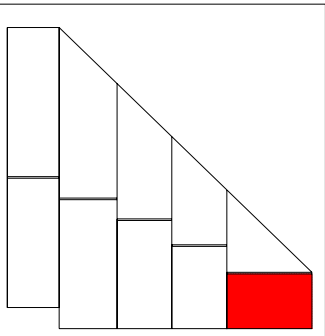
Roof Access: Mechanical room 108 (e1 key), up ships ladder on left, turn right, up ladder to hatch

Total Area: 26,000 sf

<u>A</u>	<u>2,072 sf</u>	<u>F</u>	<u>2,754 sf</u>
<u>B</u>	<u>1,624 sf</u>	<u>G</u>	<u>3,268 sf</u>
<u>C</u>	<u>1,980 sf</u>	<u>H</u>	<u>3,420 sf</u>
<u>D</u>	<u>2,034 sf</u>	<u>I</u>	<u>2,924 sf</u>
<u>E</u>	<u>2,592 sf</u>	<u>J</u>	<u>3,332 sf</u>

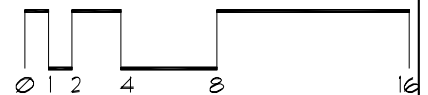


Roof Corrective Action

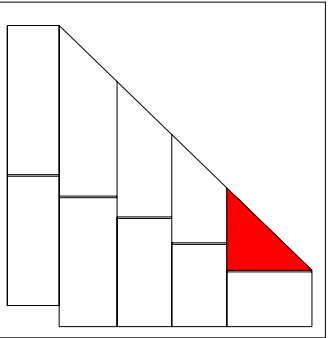
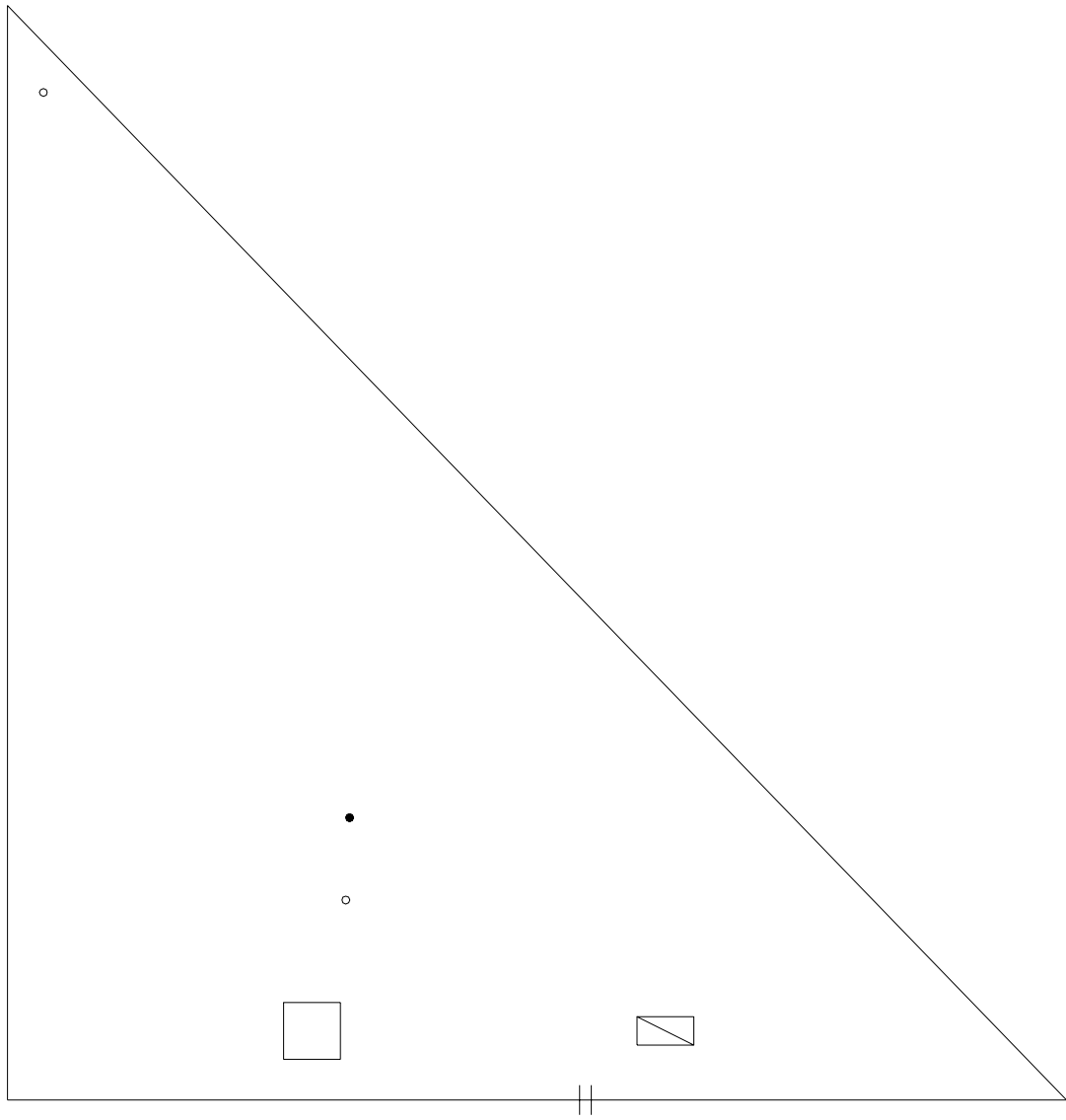


SYMBOLS KEY

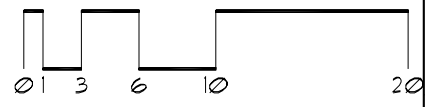
- † SCUPPER
- ROOF DRAIN
- ⊙ DEFECT-NO REPAIR



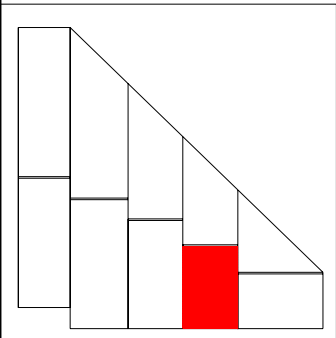
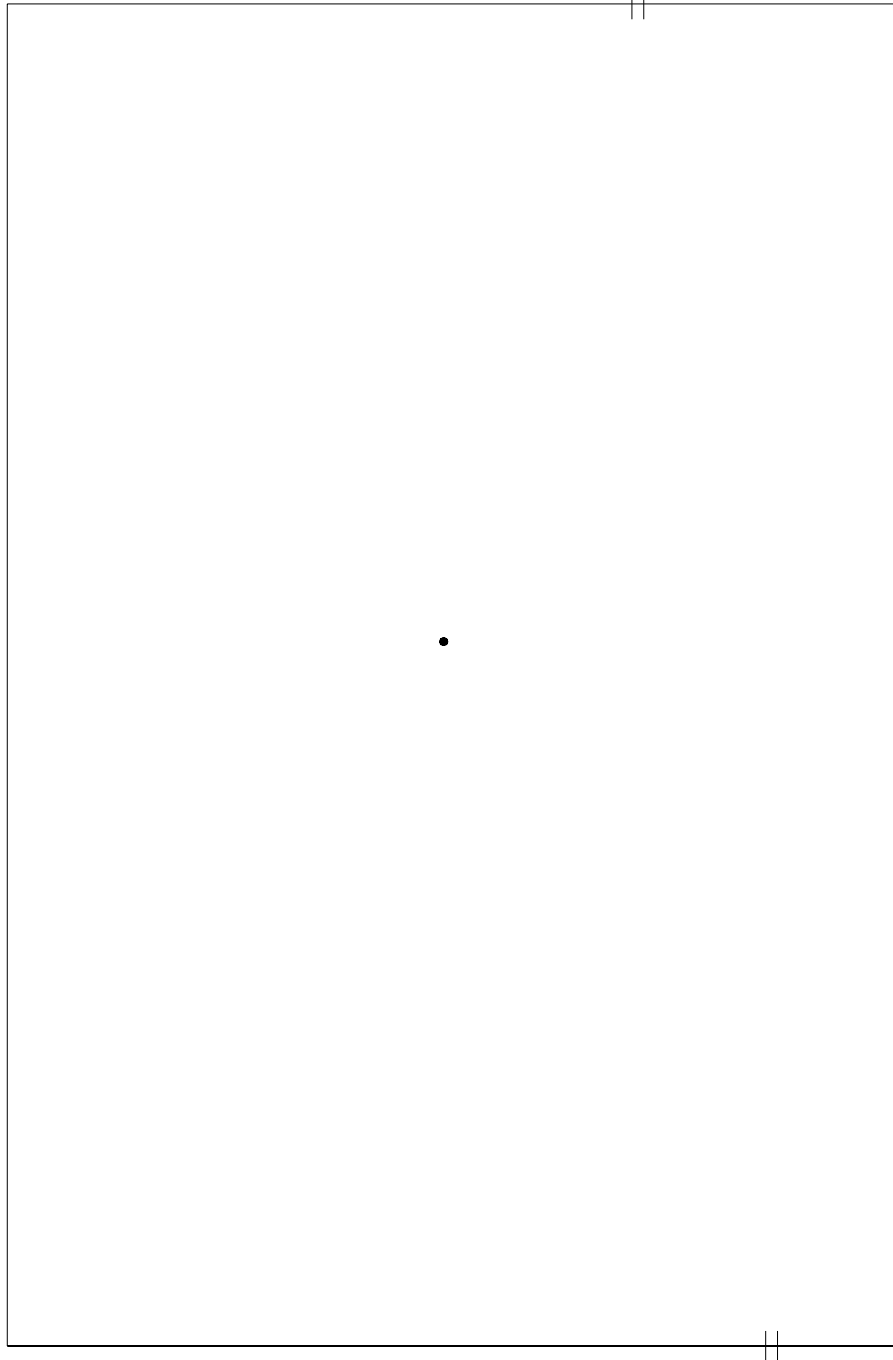
Roof Corrective Action



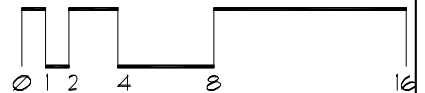
- SYMBOLS KEY**
- VENT STACK
 - ROOF DRAIN
 - ROOF CURB
 - ▣ ROOF HATCH
 - ≡ SCUPPER



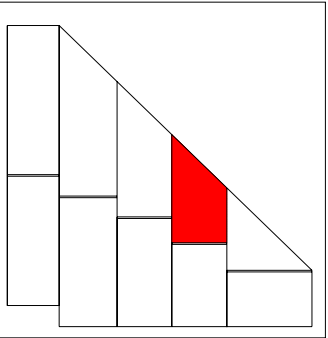
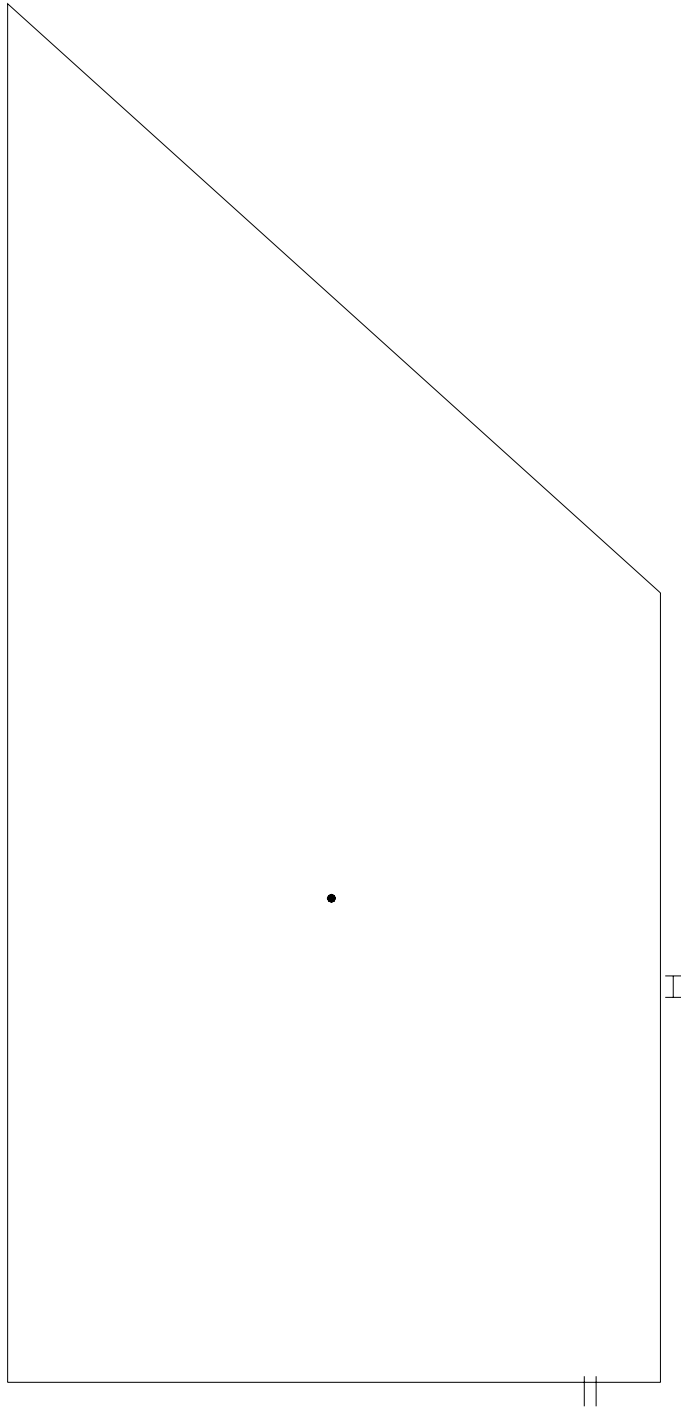
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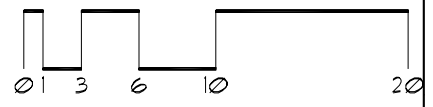
SYMBOLS KEY
|| SCUPPER
● ROOF DRAIN



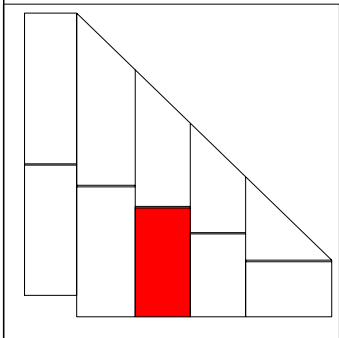
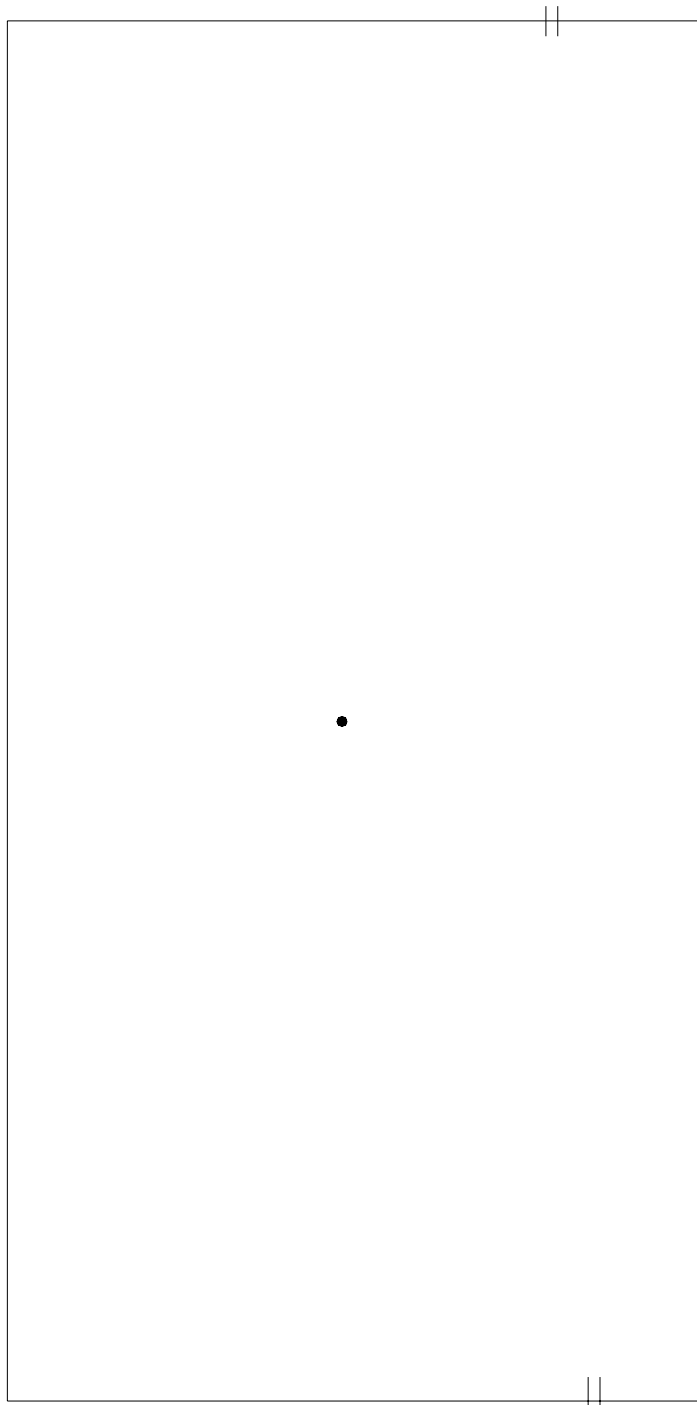
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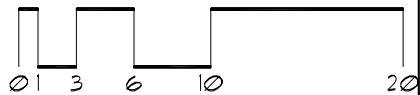
- SYMBOLS KEY**
- ⊥ SCUPPER
 - ROOF DRAIN
 - I LADDER
 - ① DEFECT-REPAIR



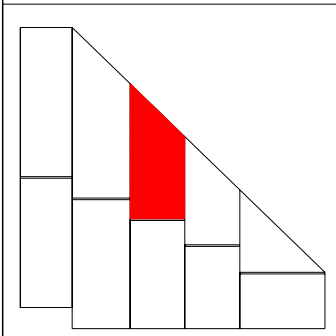
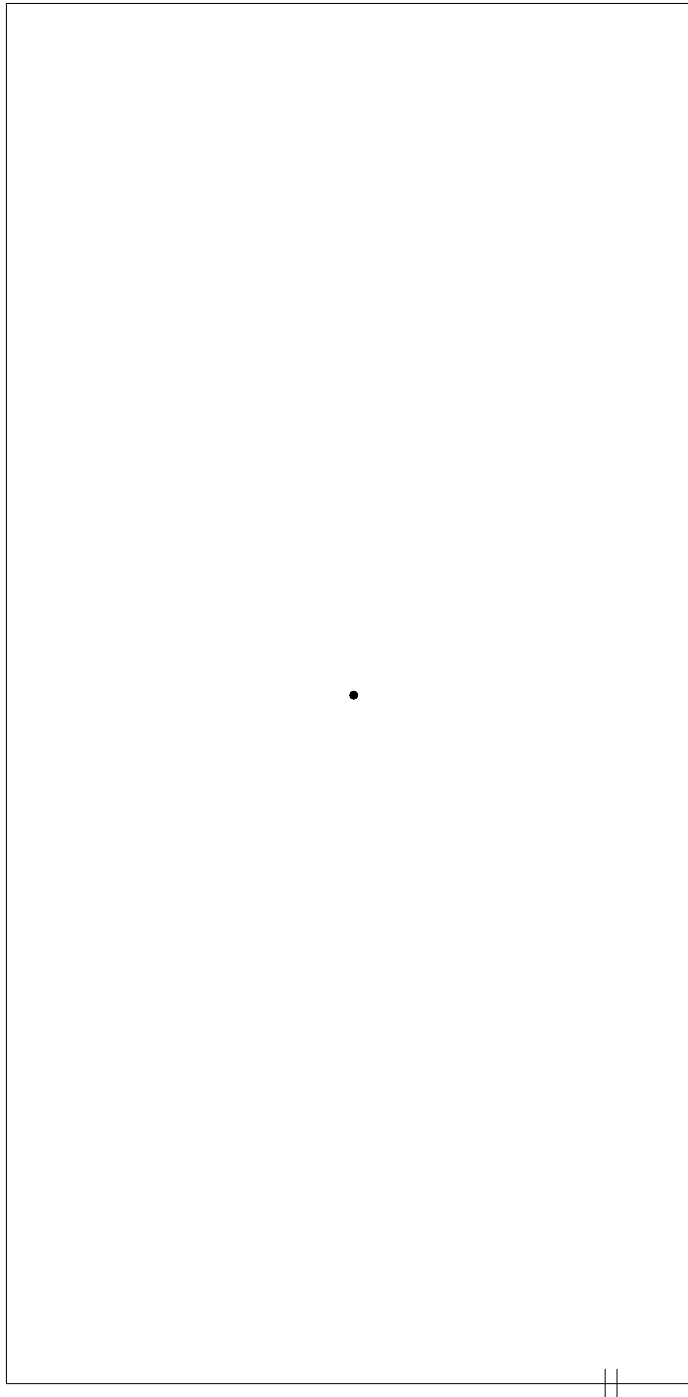
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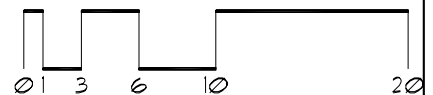
- SYMBOLS KEY
- ROOF DRAIN
 - || SCUPPER
 - I LADDER
 - ⊙ DEFECT-NO REPAIR



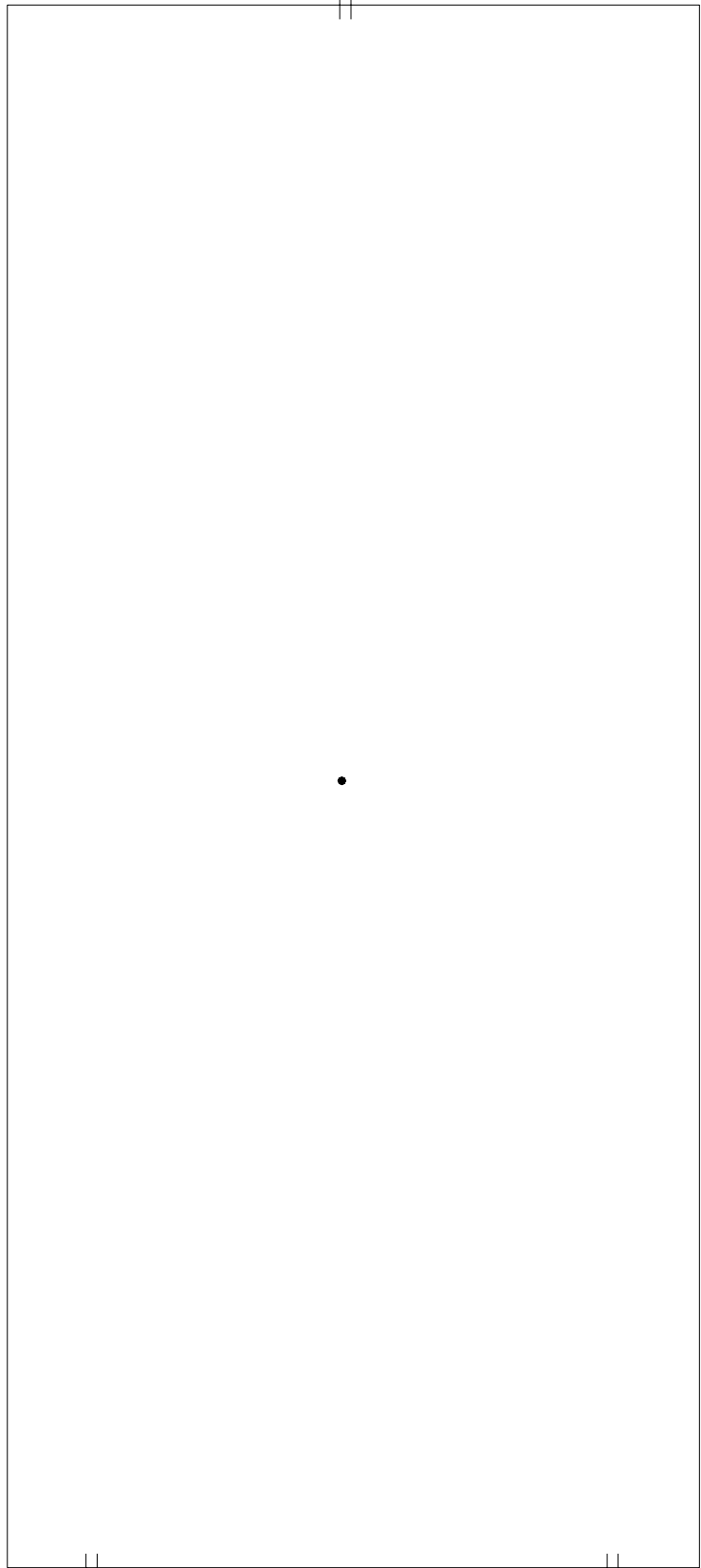
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
• ROOF DRAIN

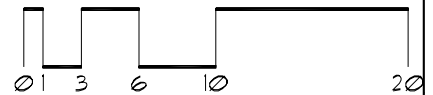
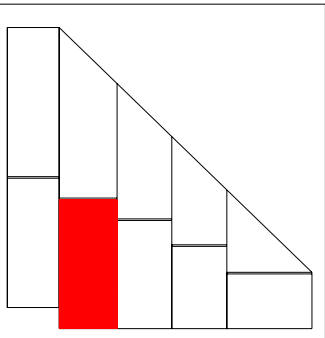


Roof Corrective Action

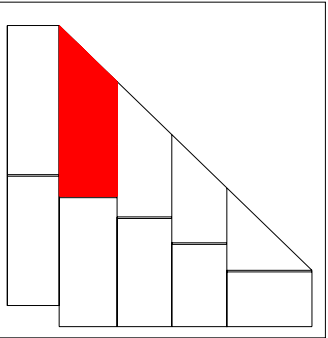
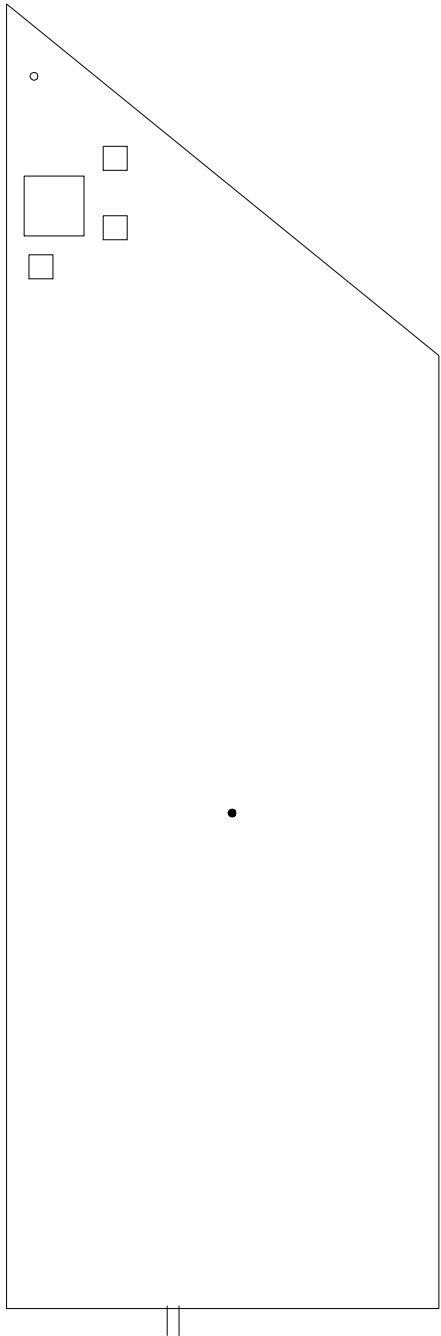


SYMBOLS KEY

- ROOF DRAIN
- || SCUPPER
- I LADDER
- ⊖ DEFECT-NO REPAIR
- ⊕ DEFECT-REPAIR

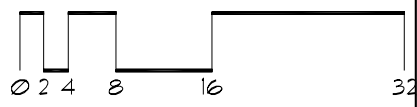


Roof Corrective Action

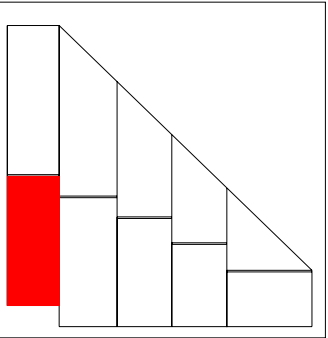
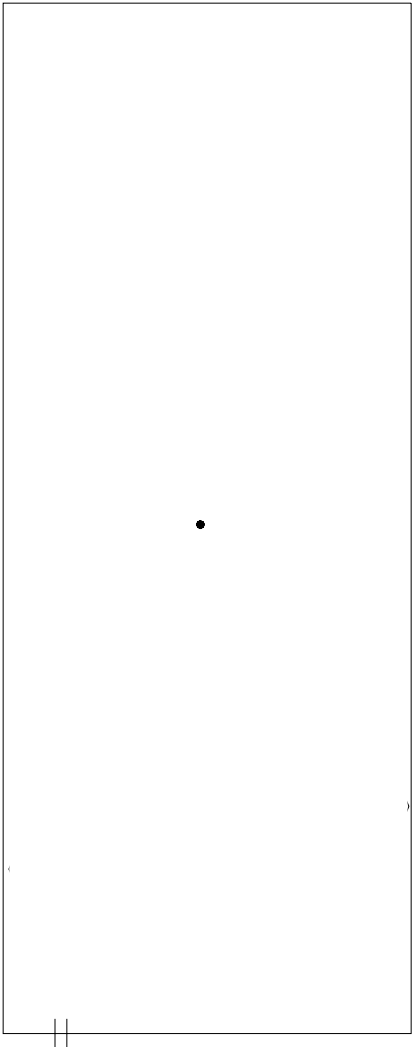


SYMBOLS KEY

	SCUPPER
o	VENT STACK
□	ROOF CURB



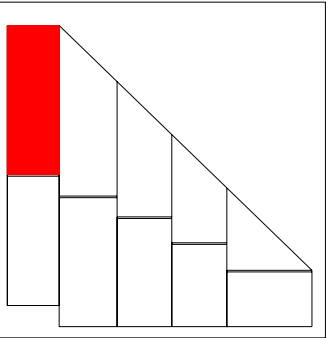
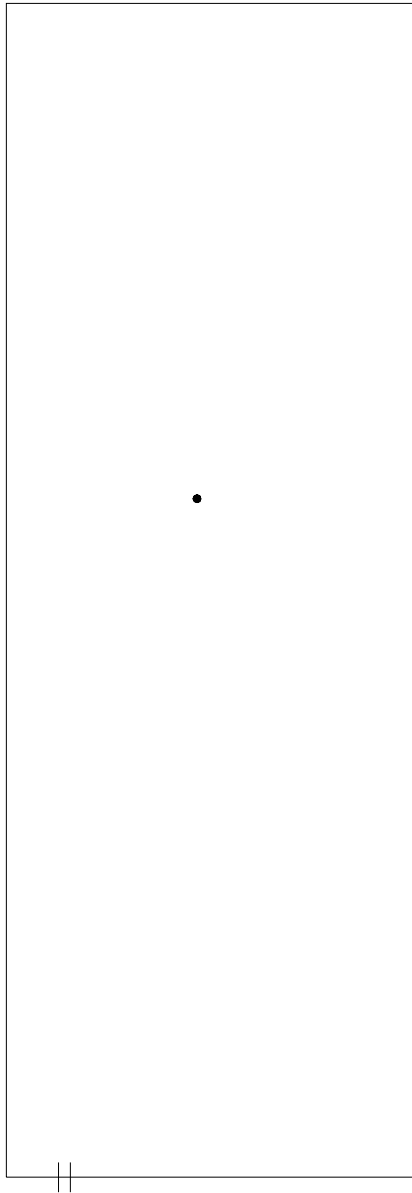
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - † SCUPPER
 - ⓪ DEFECT-NO REPAIR



Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
†† SCUPPER

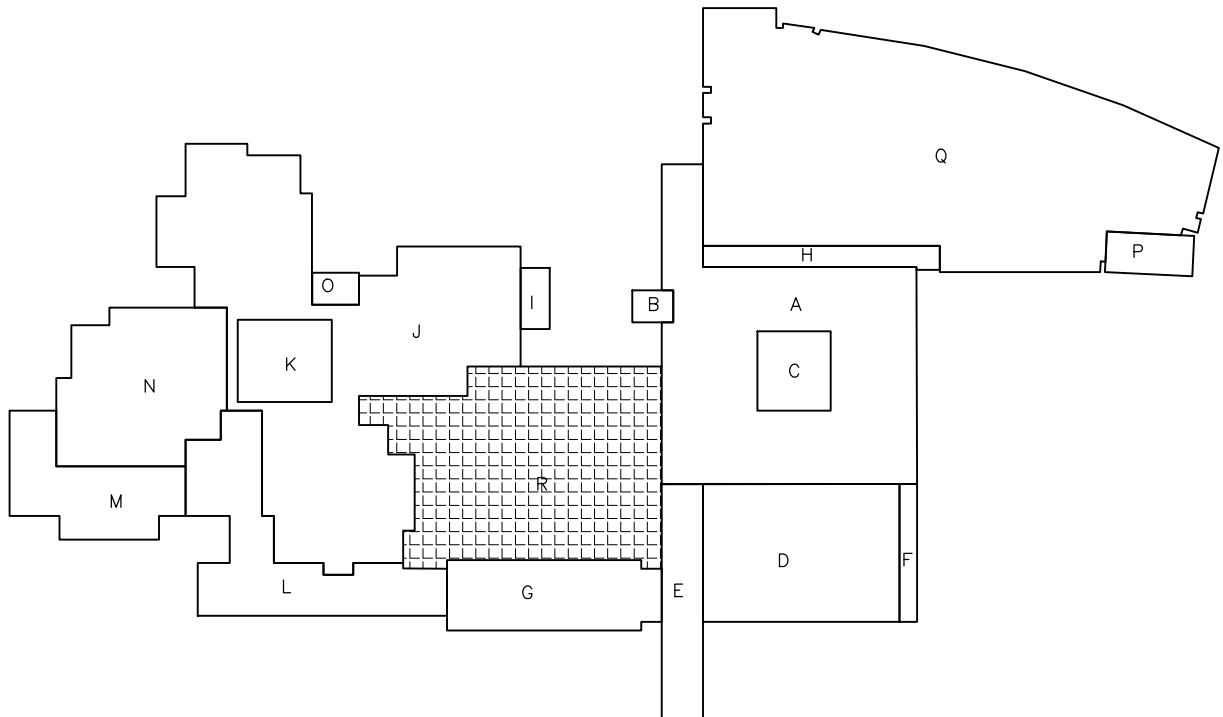


Roof ID

Building: WB208 - Middlebrook Hall - (412 22nd Avenue South)
Roof Access: Penthouse, East Stairway, ladders and ships ladder

Total SF: 40,522 sf

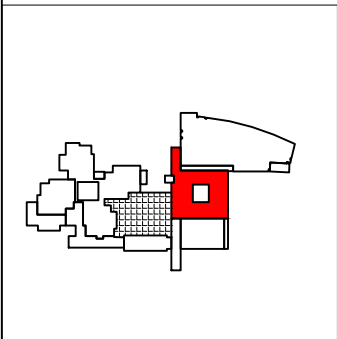
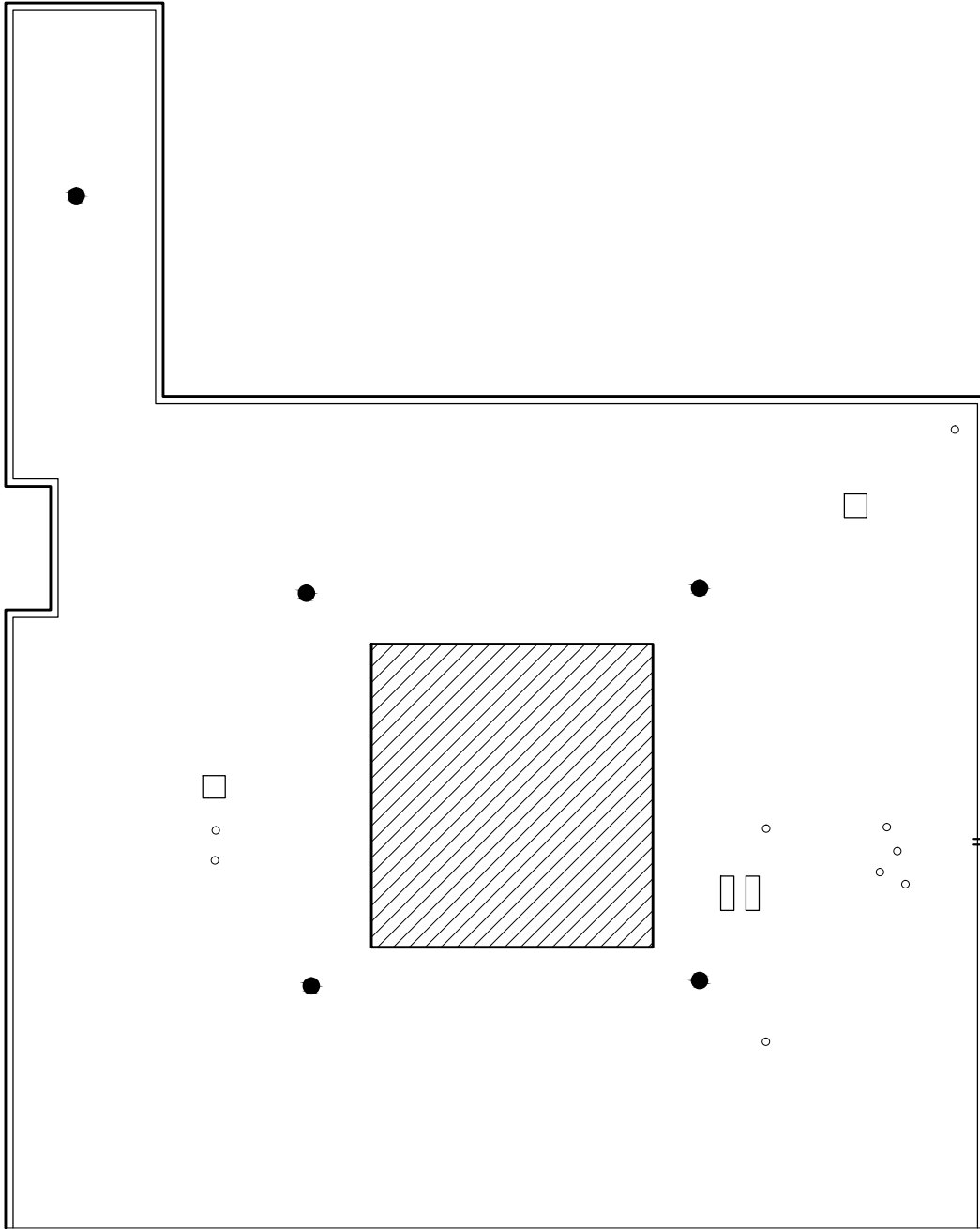
A:	6,209 sf	J:	8,631 sf
B:	154 sf	K:	896 sf
C:	675 sf	L:	2,516 sf
D:	3,149 sf	M:	1,596 sf
E:	1,120 sf	N:	3,812 sf
F:	282 sf	O:	143 sf
G:	1,710 sf	P:	312 sf
H:	313 sf	Q:	8,884 sf
I:	120 sf	R:	Roof Patio (5,705 sf)



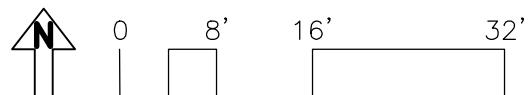
SYMBOLS KEY
 ■ PLAZA



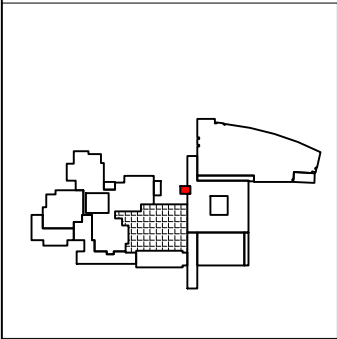
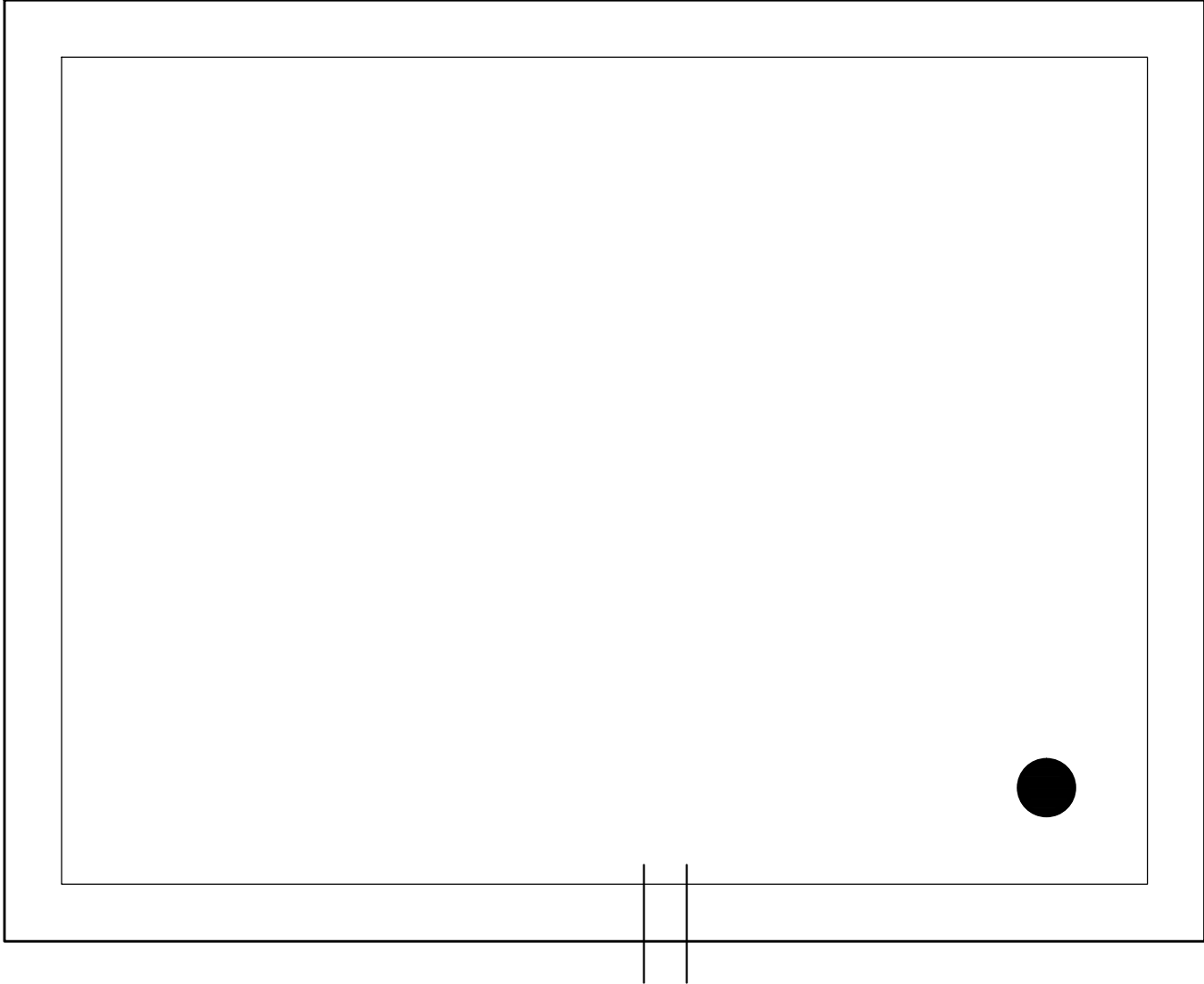
Roof Corrective Action



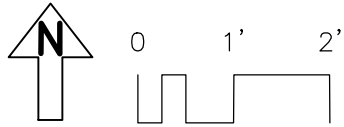
SYMBOLS KEY	
●	ROOF DRAIN
□	ROOF CURB
	SCUPPER
○	VENT



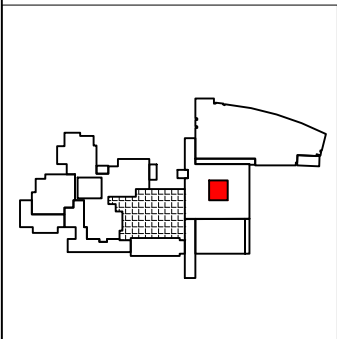
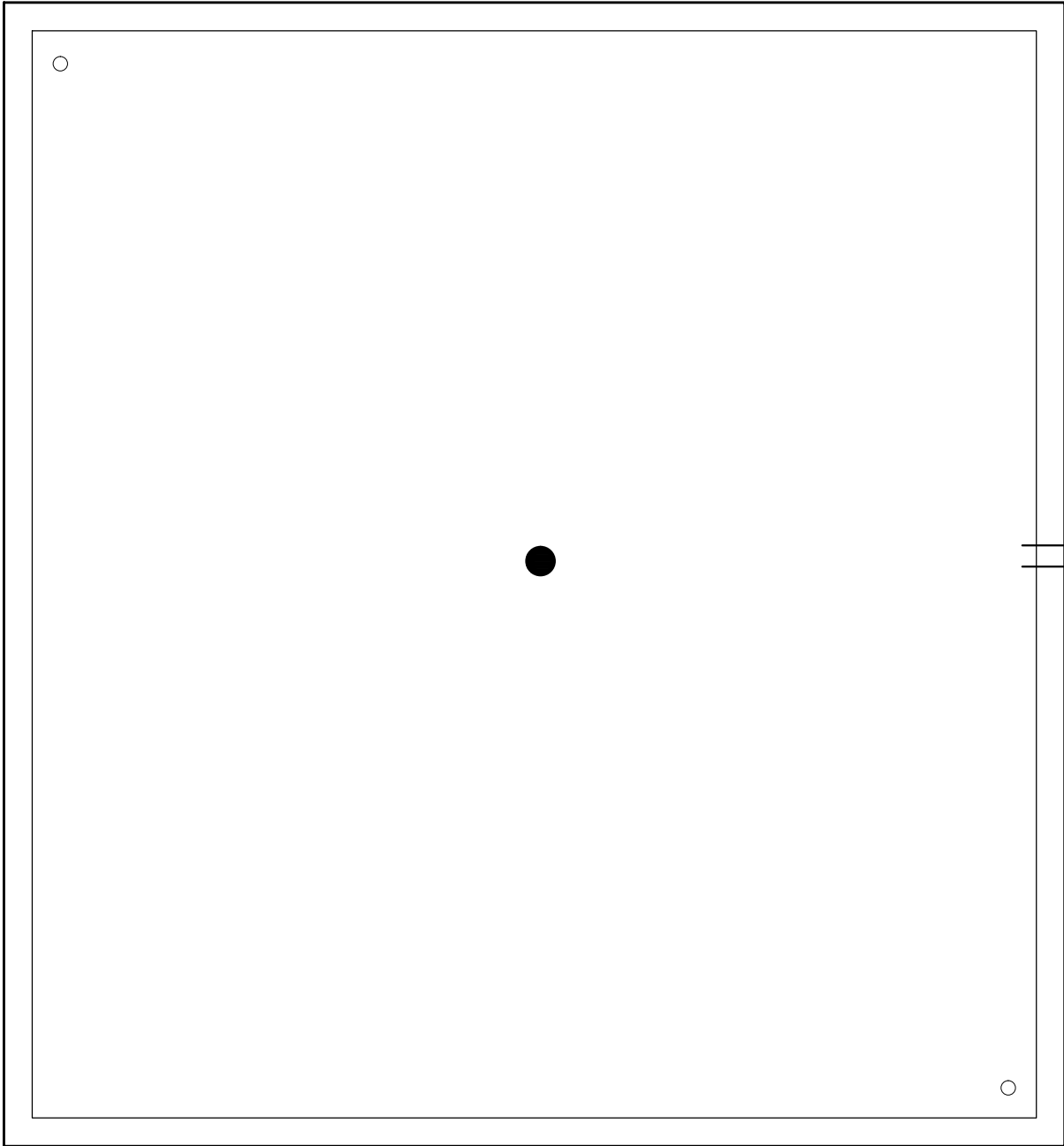
Roof Corrective Action



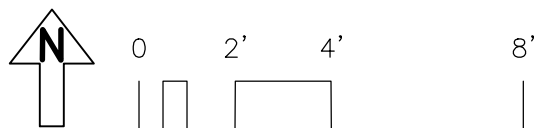
SYMBOLS KEY
● ROOF DRAIN
†† SCUPPER



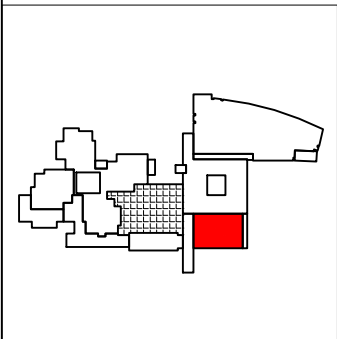
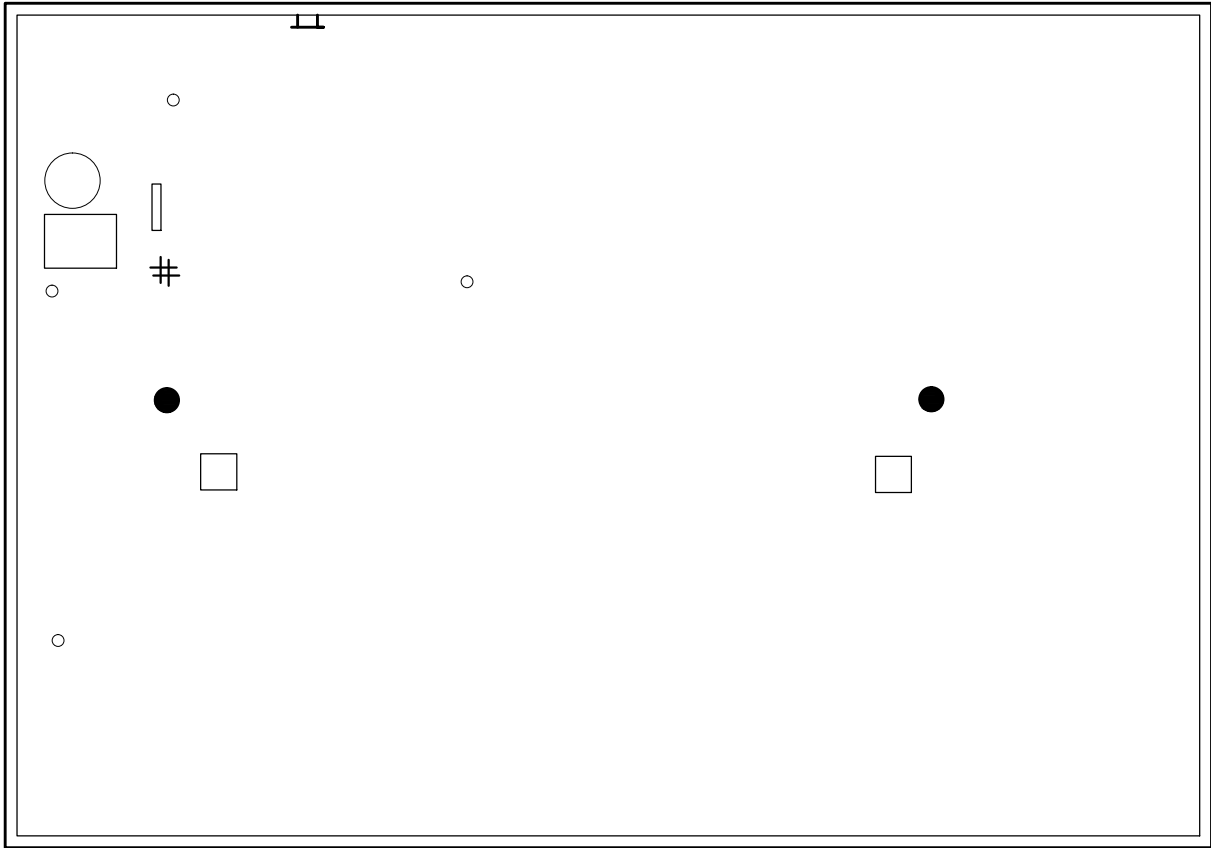
Roof Corrective Action



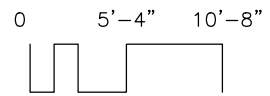
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



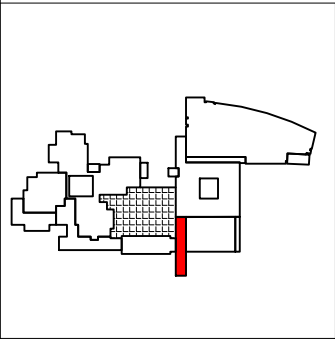
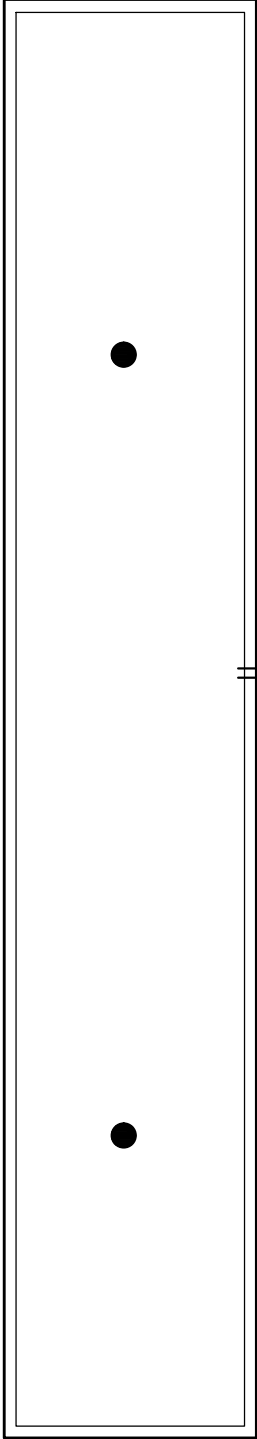
Roof Corrective Action



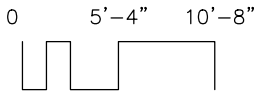
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
TT	SHIPSLADDER
○	VENT
#	PITCH PAN



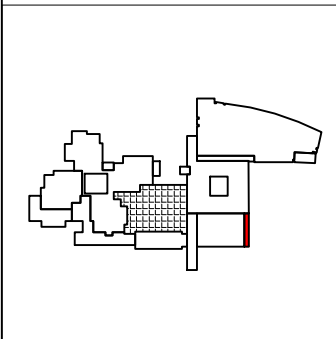
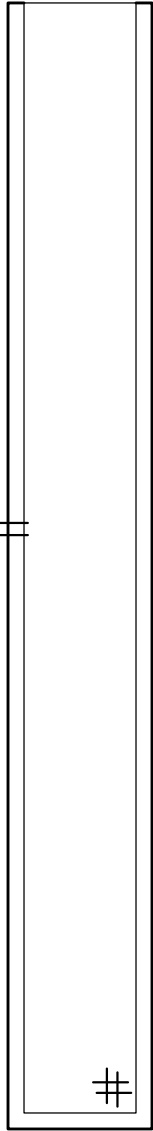
Roof Corrective Action



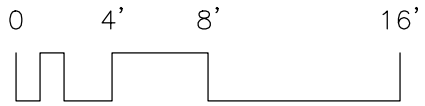
SYMBOLS KEY
● ROOF DRAIN
⊥ SCUPPER



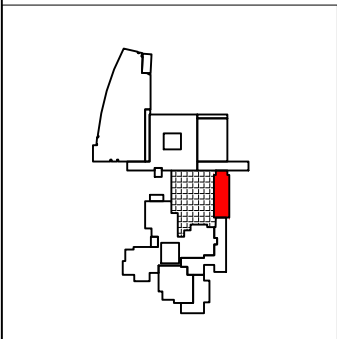
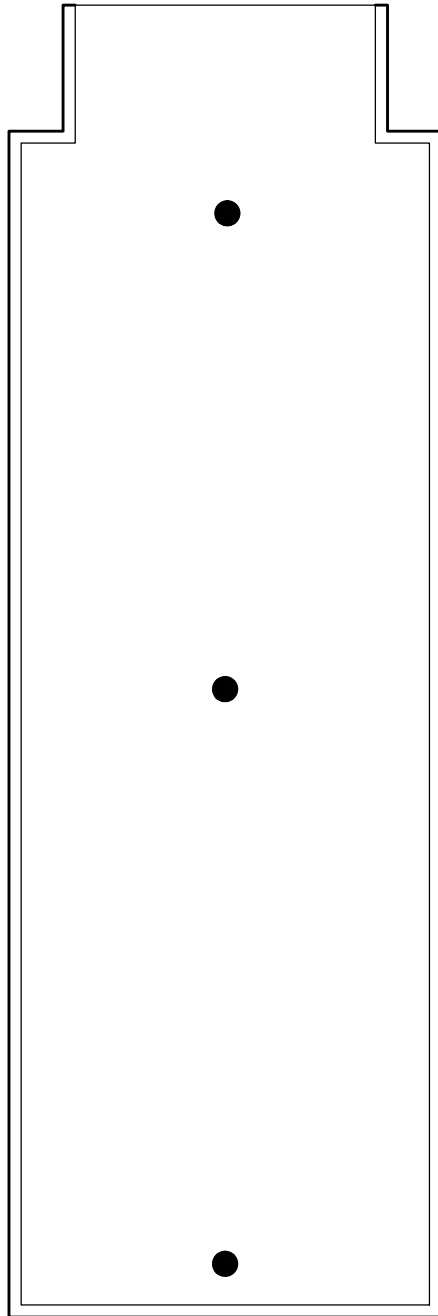
Roof Corrective Action



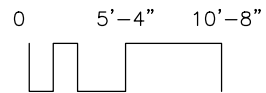
SYMBOLS KEY	
	SCUPPER
#	PITCH PAN



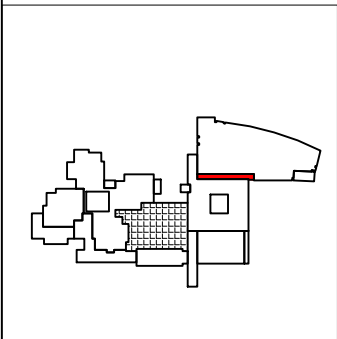
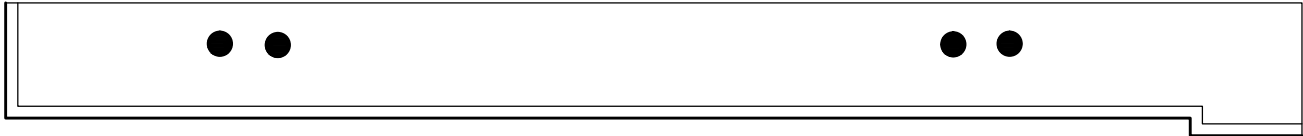
Roof Corrective Action



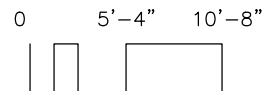
SYMBOLS KEY
● ROOF DRAIN



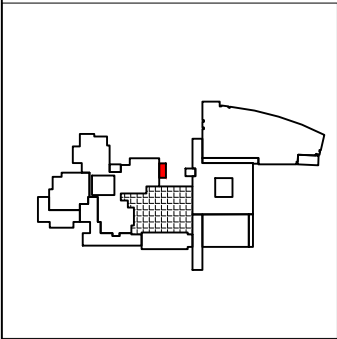
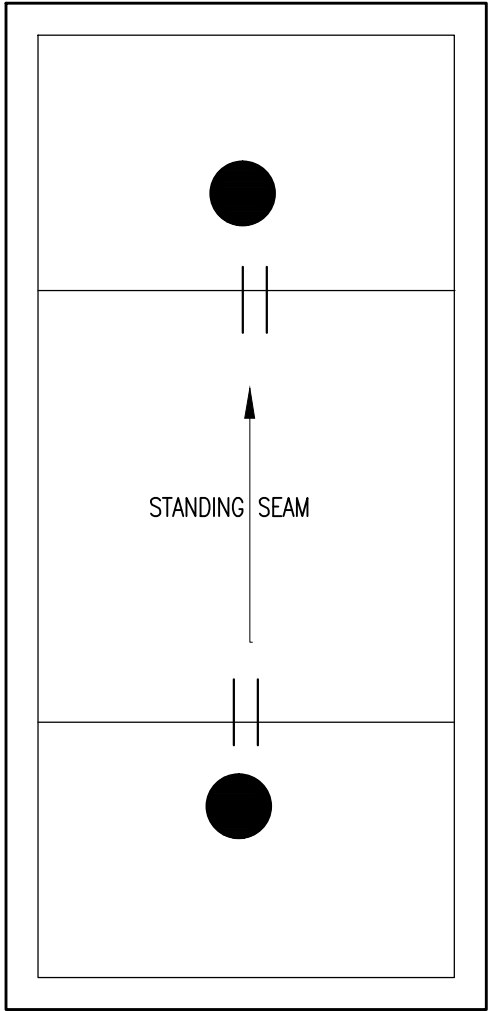
Roof Corrective Action



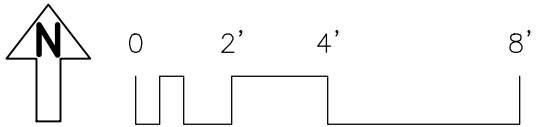
SYMBOLS KEY
● ROOF DRAIN



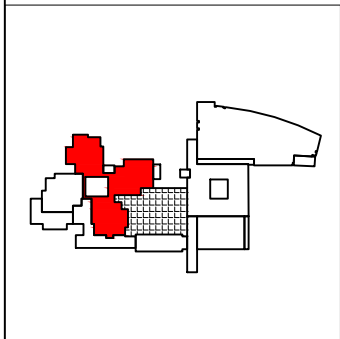
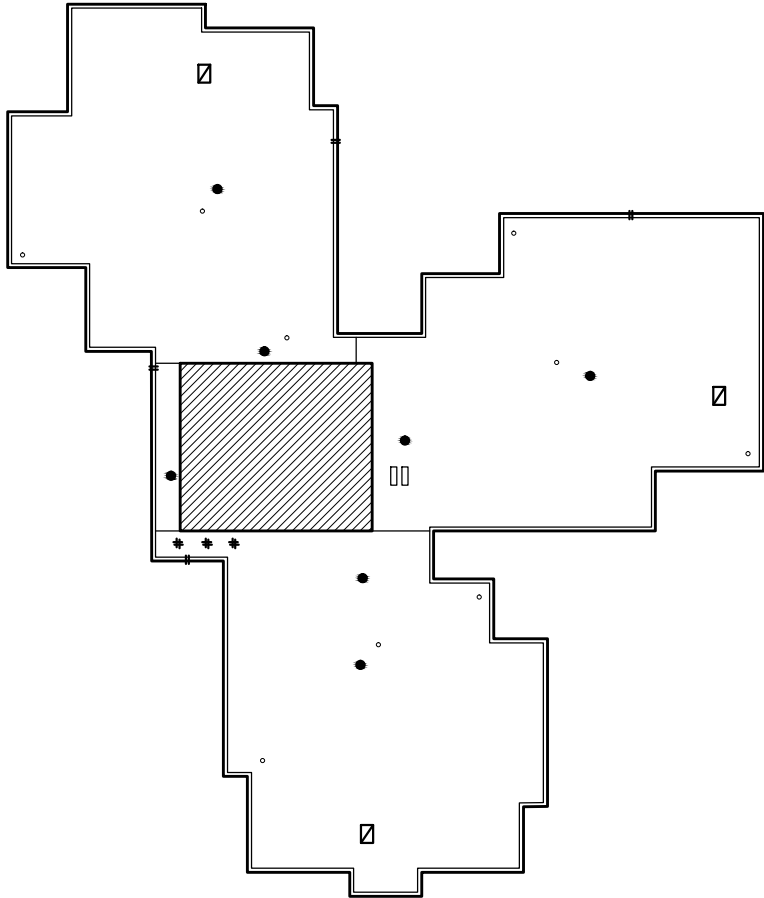
Roof Corrective Action



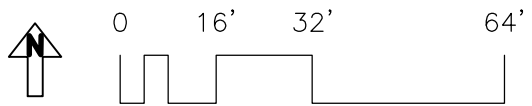
- SYMBOLS KEY**
- ROOF DRAIN
 - ⦶ SCUPPER
 - SLOPE DIRECTION



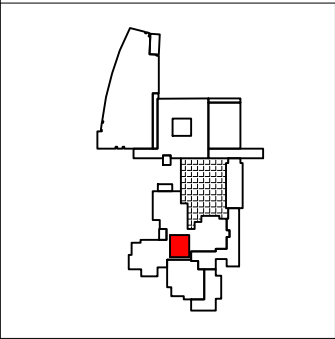
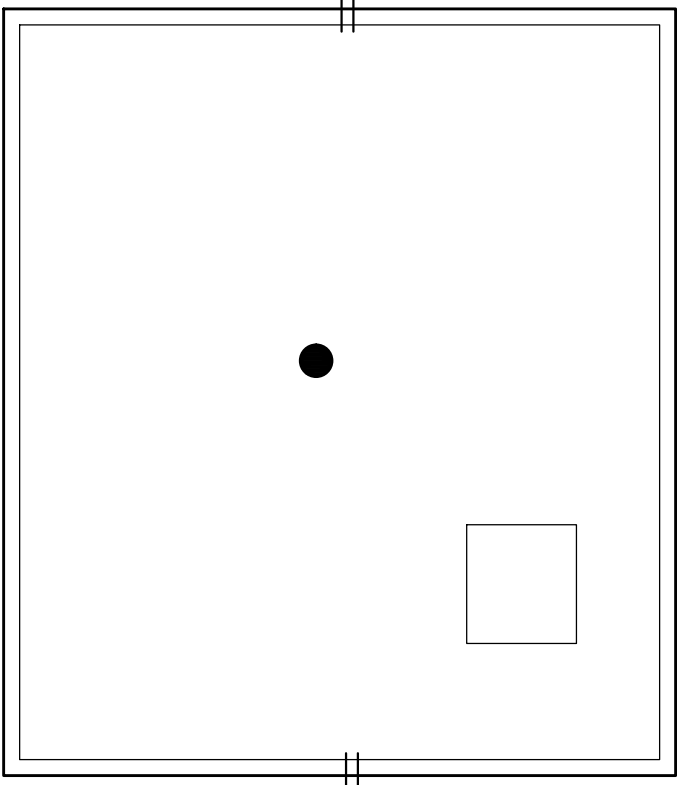
Roof Corrective Action



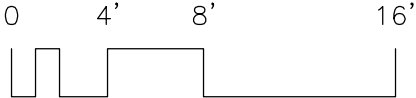
SYMBOLS KEY	
●	ROOF DRAIN
†	SCUPPER
○	VENT
⊠	ROOF HATCH
□	ROOF CURB
#	PITCH PAN



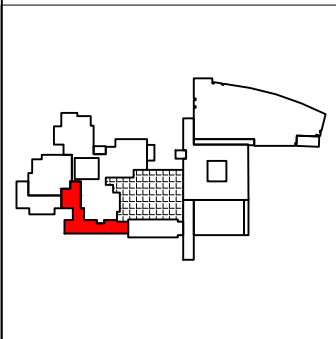
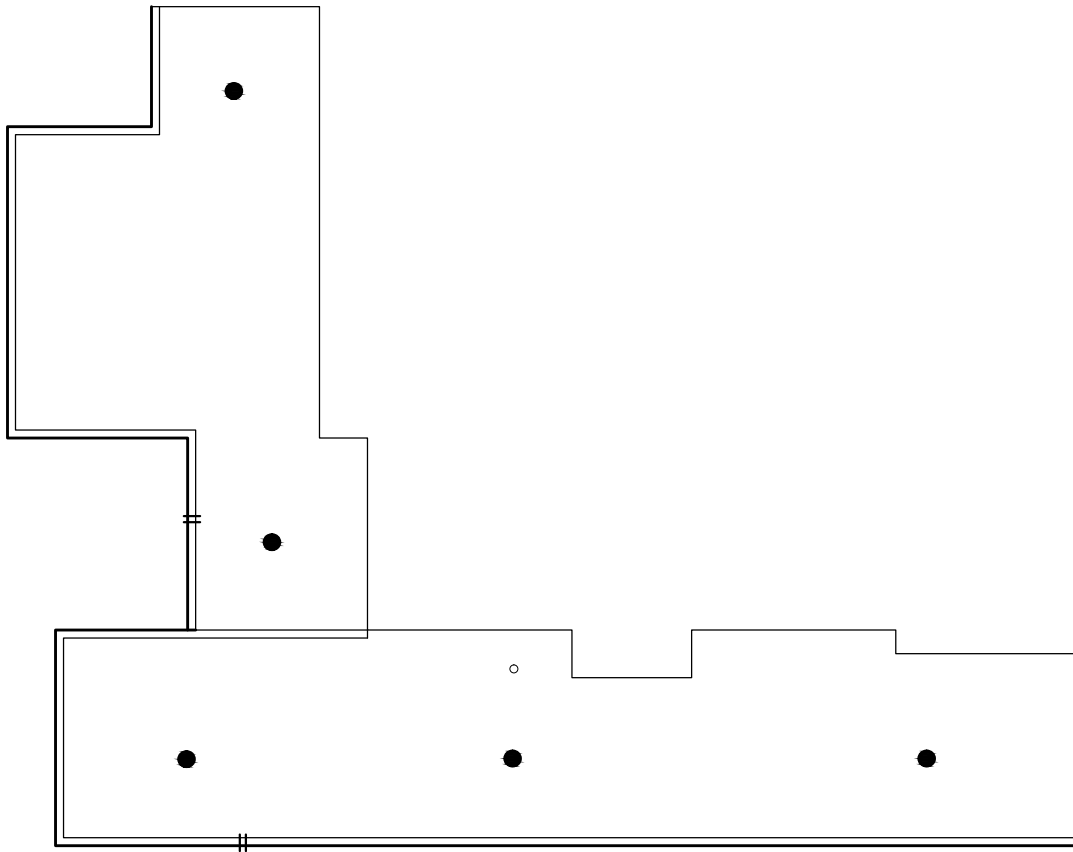
Roof Corrective Action



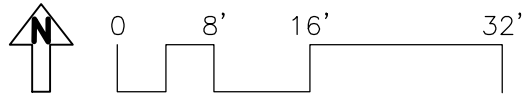
SYMBOLS KEY	
●	ROOF DRAIN
⦶	SCUPPER
□	ROOF CURB



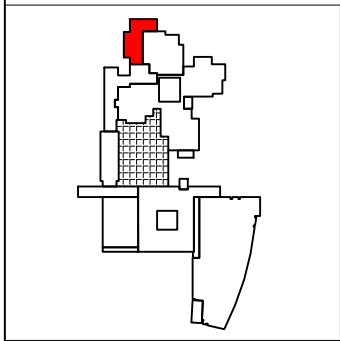
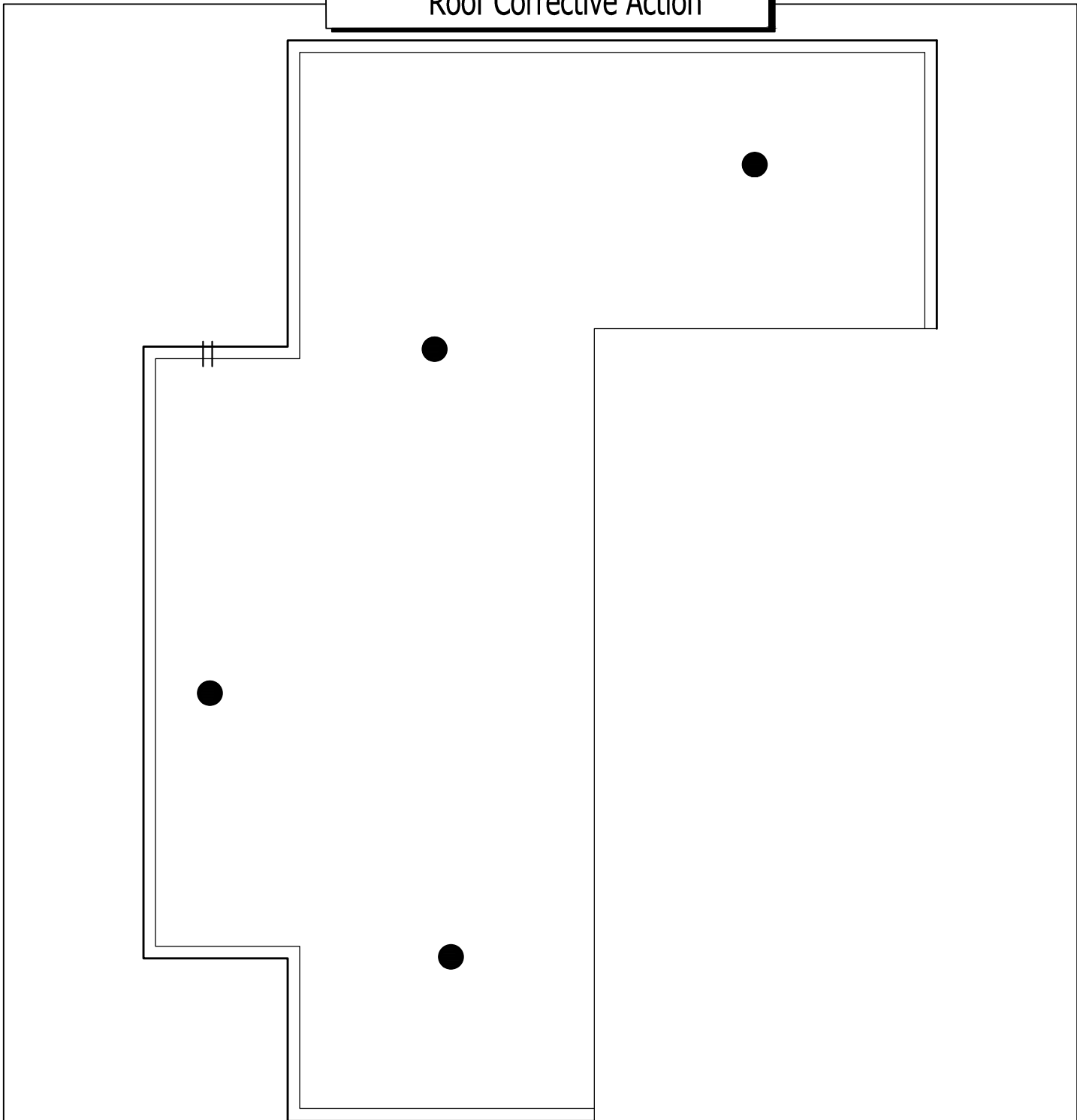
Roof Corrective Action



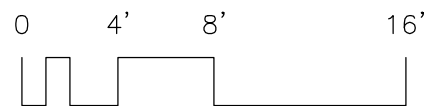
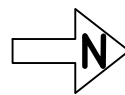
SYMBOLS KEY	
●	ROOF DRAIN
	SCUPPER
○	VENT



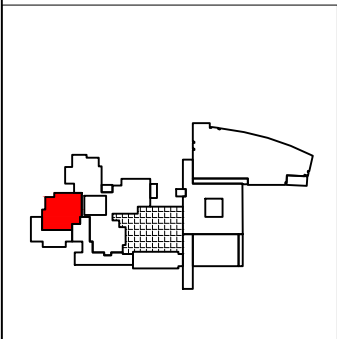
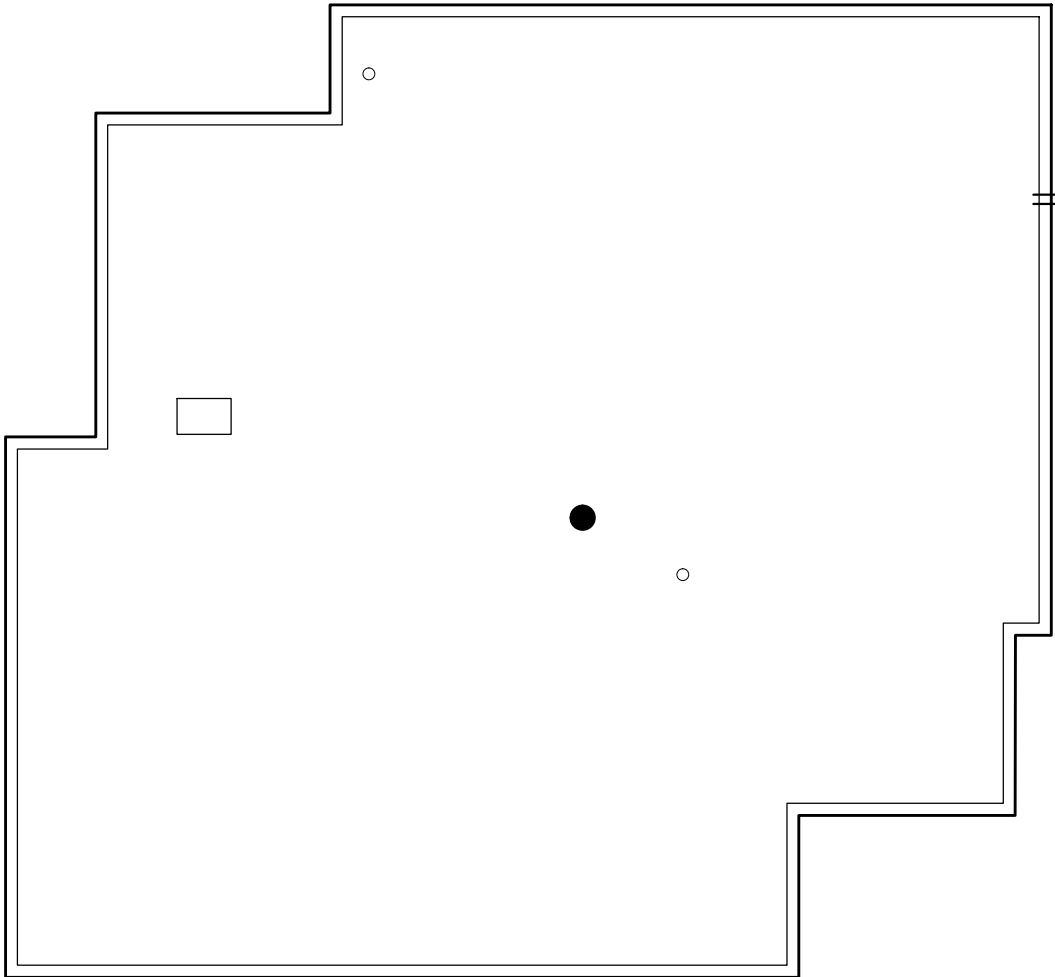
Roof Corrective Action



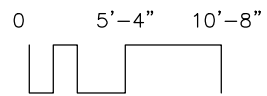
SYMBOLS KEY	
●	ROOF DRAIN
	SCUPPER



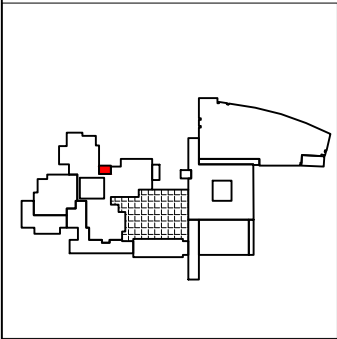
Roof Corrective Action



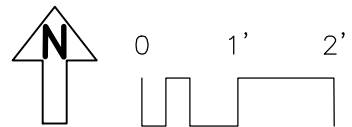
SYMBOLS KEY	
⊥	SCUPPER
□	ROOF CURB
●	ROOF DRAIN
○	VENT



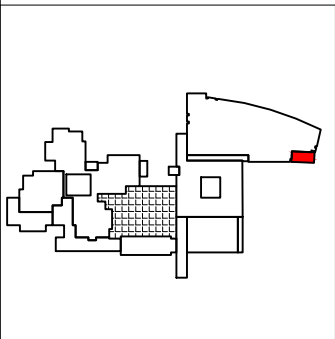
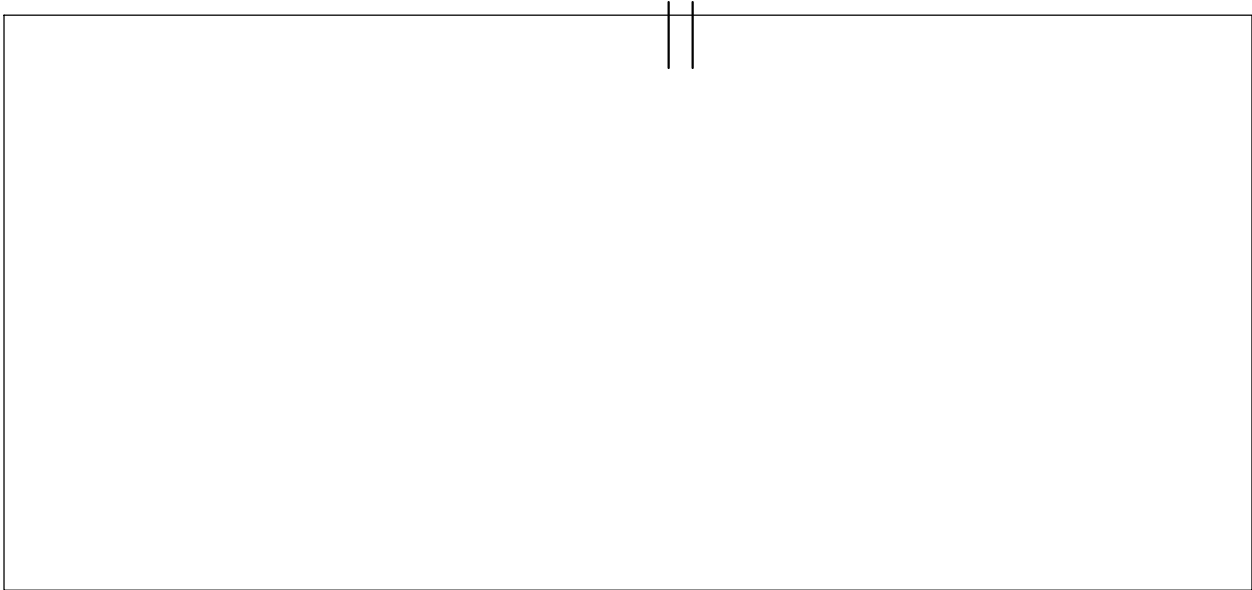
Roof Corrective Action



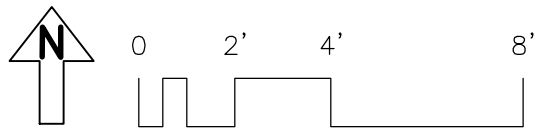
SYMBOLS KEY
|| SCUPPER



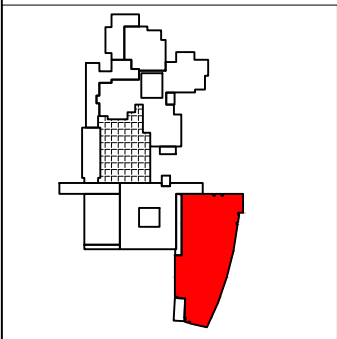
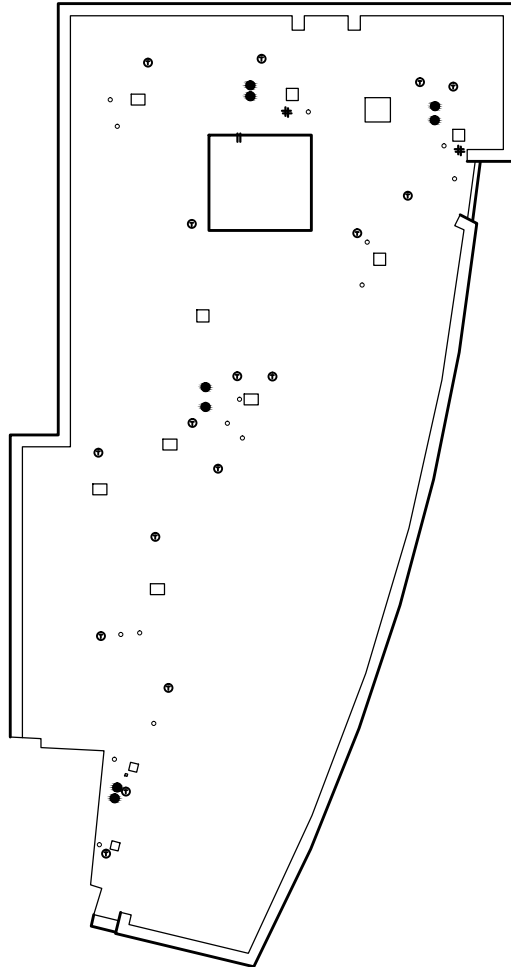
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER

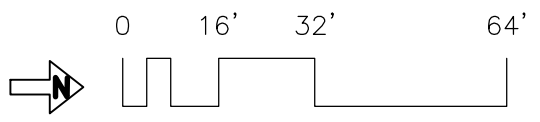


Roof Corrective Action

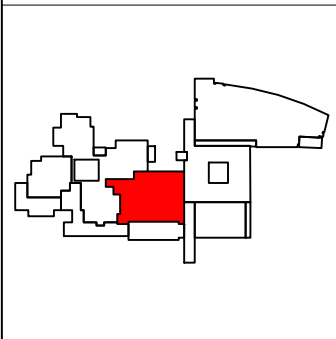
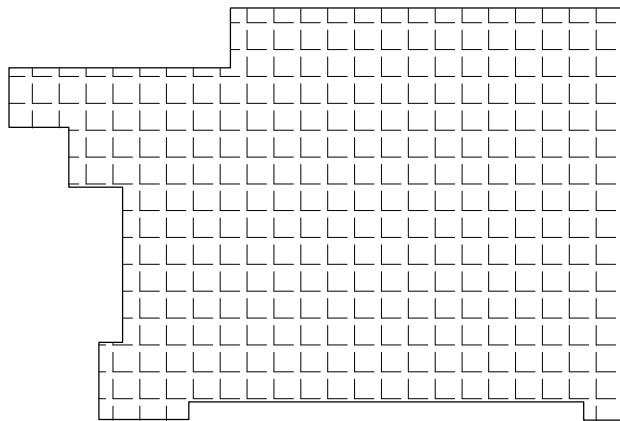


SYMBOLS KEY

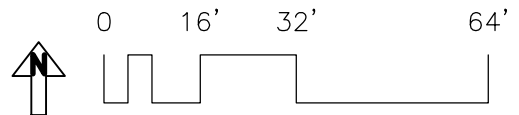
□	ROOF CURB
●	ROOF DRAIN
⊥	SCUPPER
○	VENT
⊙	ROOF ANCHOR
#	PITCH PAN



Roof Corrective Action



SYMBOLS KEY
■ PLAZA



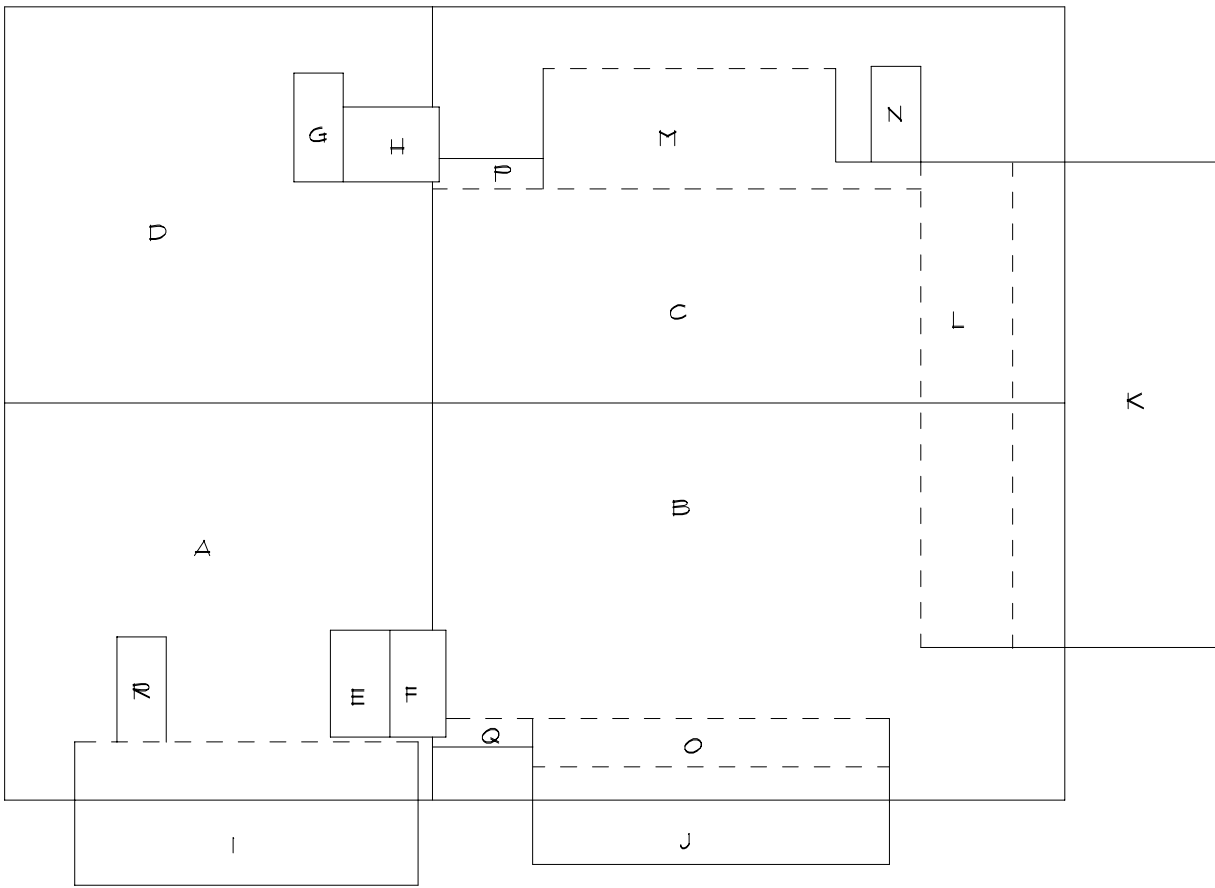
Roof ID

Building: WB209 - Rarig Center - (330 21st Avenue S Minneapolis)

Roof Access: A-H=south stair to 7th floor (e1); I-R=south stair to 4th floor, enter control room

Total Area: 37,340 sf

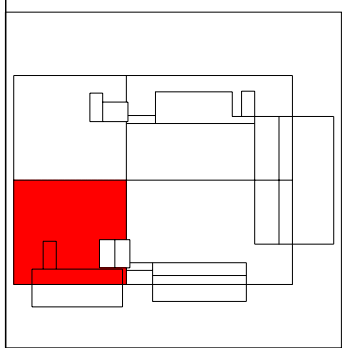
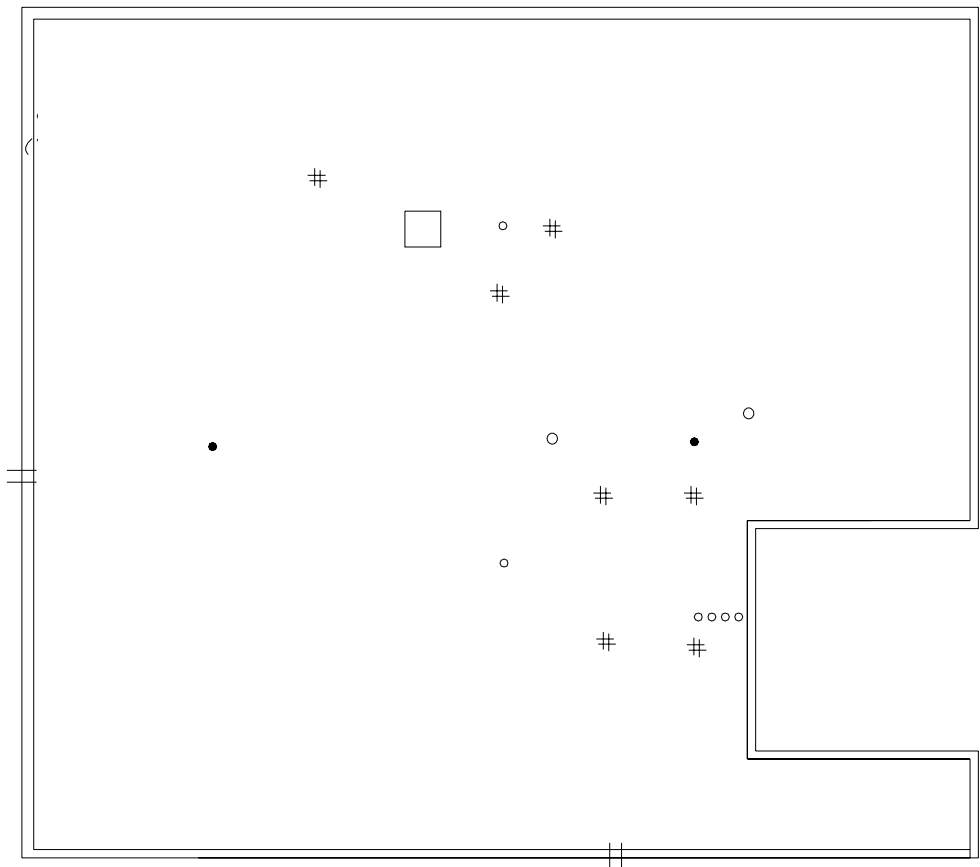
A	5,183 sf	F	189 sf	K	3,219 sf	P	78 sf
B	8,190 sf	G	168 sf	L	1,218 sf	Q	90 sf
C	8,190 sf	H	221 sf	M	1,190 sf	R	65 sf
D	5,141 sf	I	1,832 sf	N	162 sf		
E	189 sf	J	1,495 sf	O	520 sf		



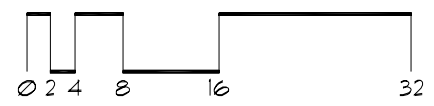
SYMBOLS KEY



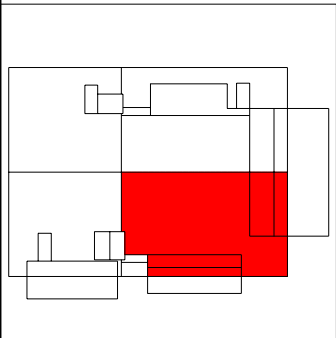
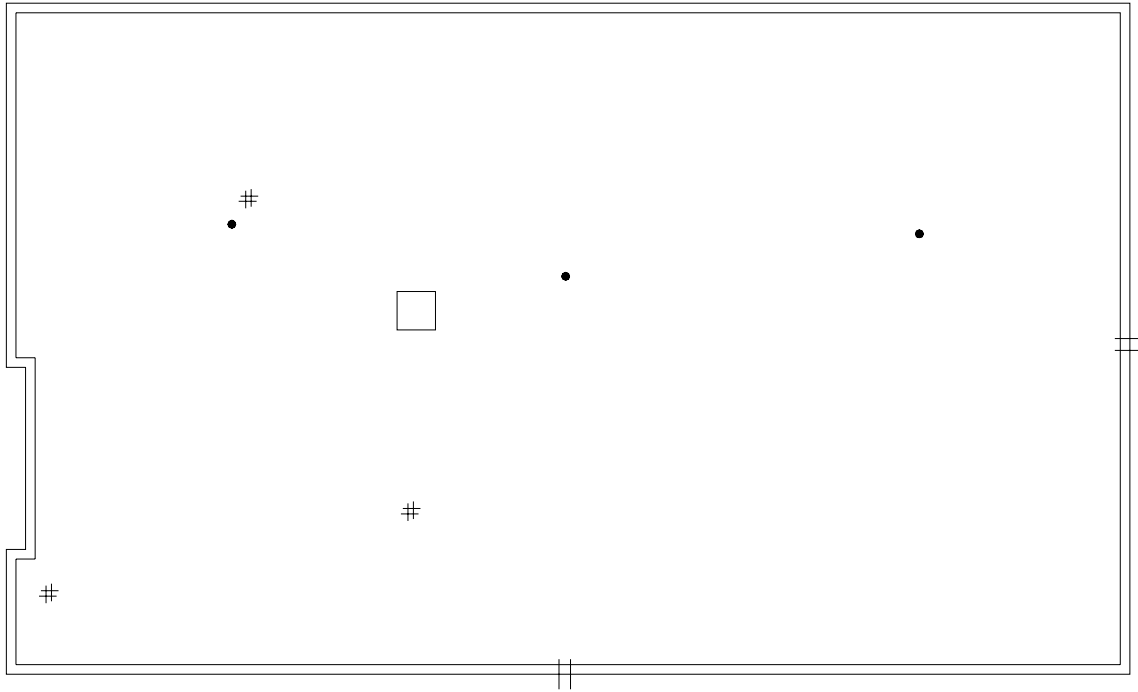
Roof Corrective Action



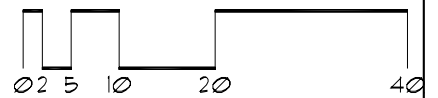
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - † SCUPPER
 - # PITCH PAN
 - Ⓢ DEFECT-REPAIR



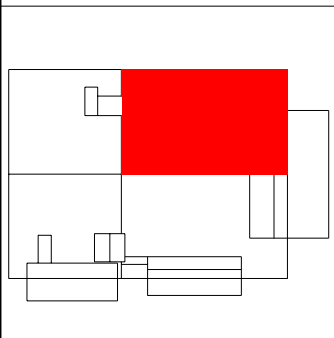
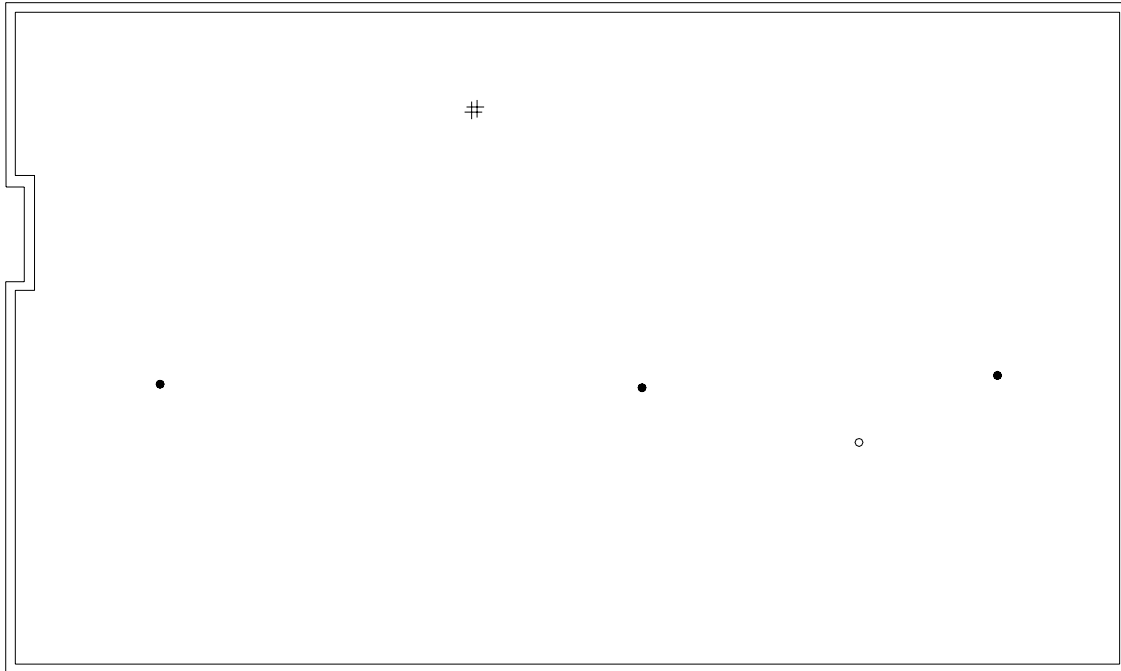
Roof Corrective Action



- SYMBOLS KEY**
- VENT STACK
 - ROOF DRAIN
 - ROOF CURB
 - # PITCH PAN

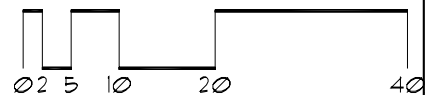


Roof Corrective Action

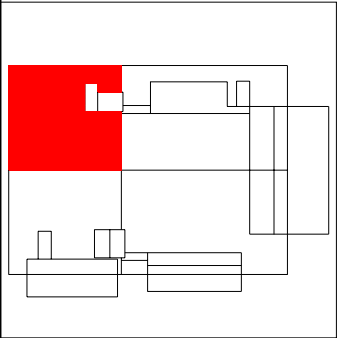
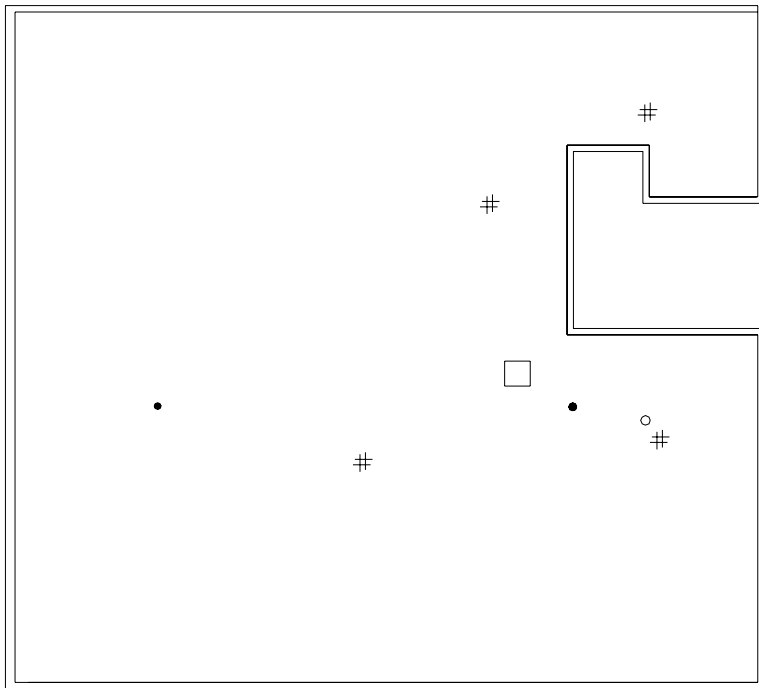


SYMBOLS KEY

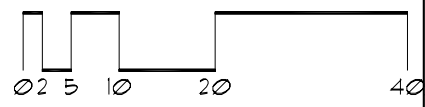
- o VENT STACK
- ROOF DRAIN
- # PITCH PAN
- † SCUPPER



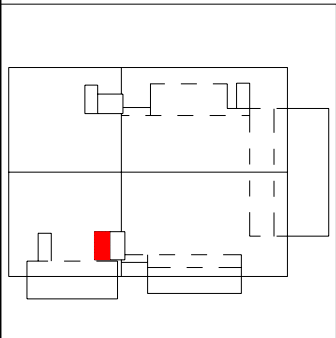
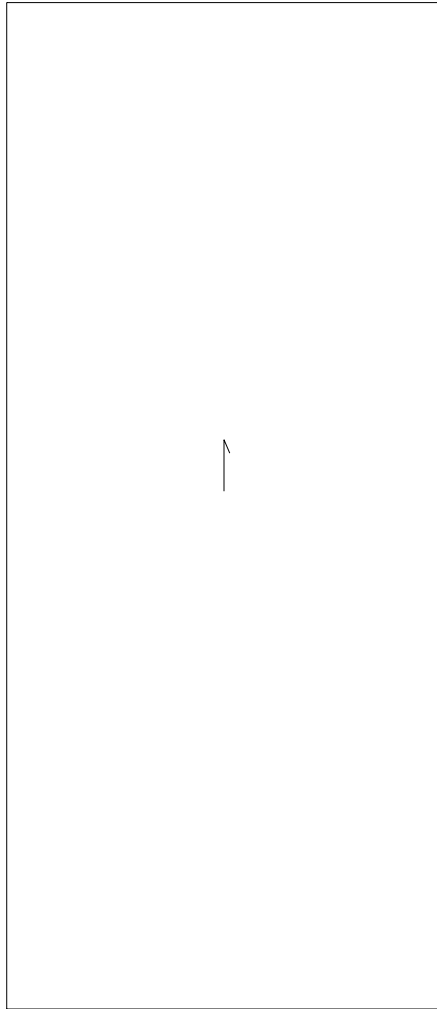
Roof Corrective Action



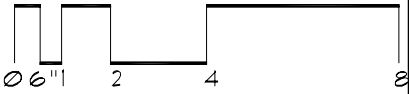
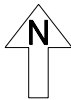
- SYMBOLS KEY**
- VENT STACK
 - ROOF DRAIN
 - ROOF CURB
 - # PITCH PAN



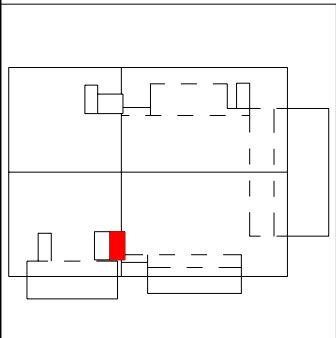
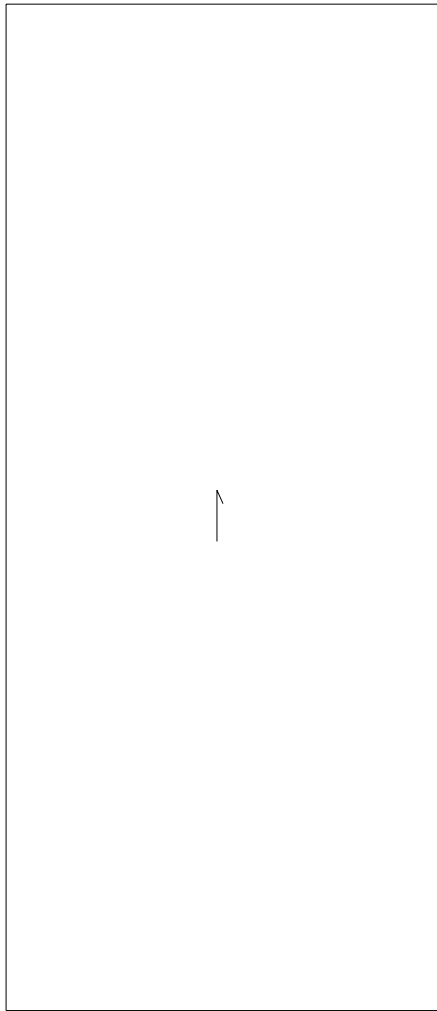
Roof Corrective Action



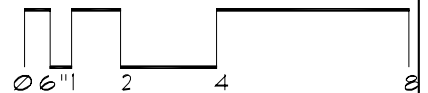
SYMBOLS KEY
➤ SLOPE DIRECTION
⓪ DEFECT-NO REPAIR



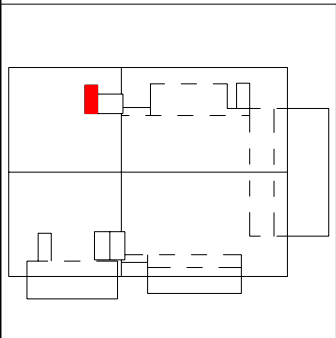
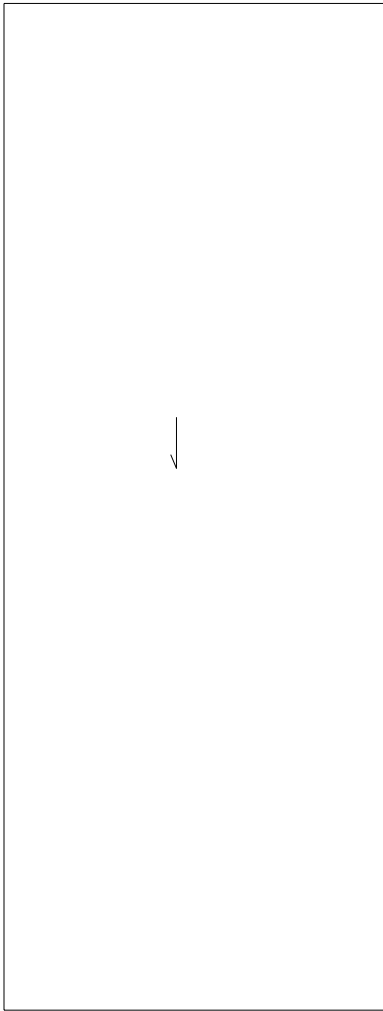
Roof Corrective Action



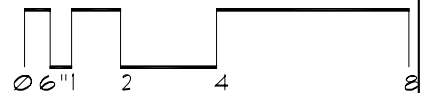
SYMBOLS KEY
→ SLOPE DIRECTION
① DEFECT-NO REPAIR



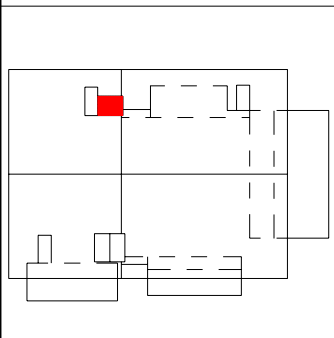
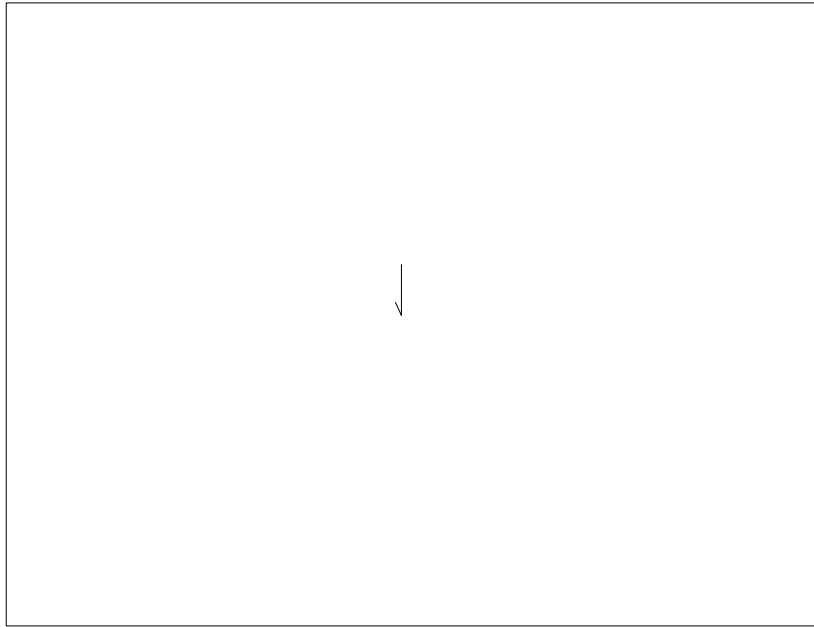
Roof Corrective Action



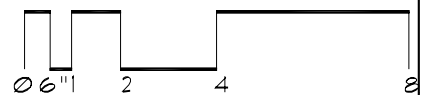
SYMBOLS KEY
→ SLOPE DIRECTION
⓪ DEFECT-NO REPAIR



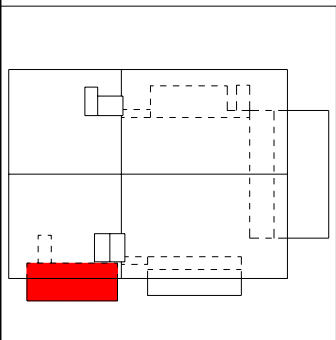
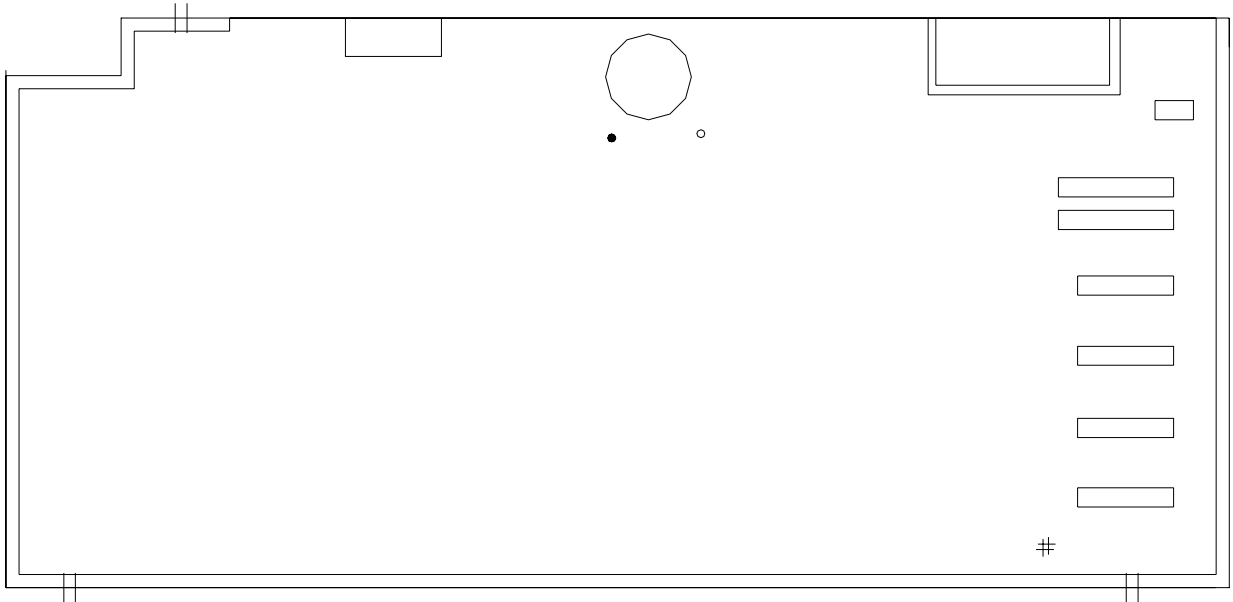
Roof Corrective Action



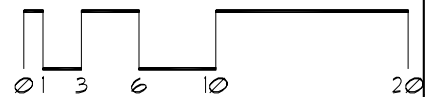
SYMBOLS KEY
→ SLOPE DIRECTION
① DEFECT-NO REPAIR



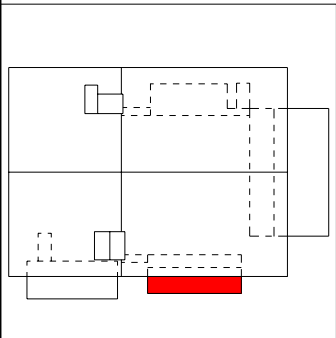
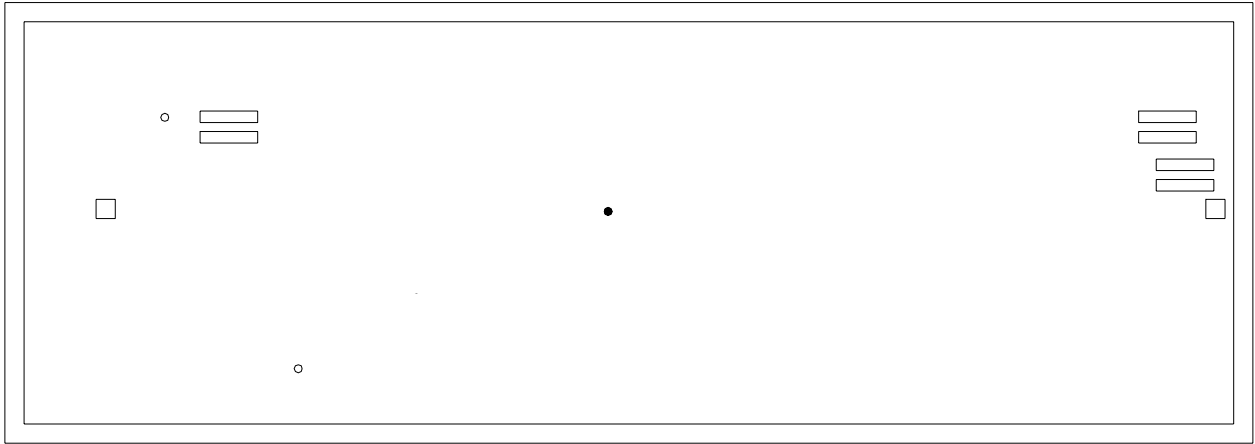
Roof Corrective Action



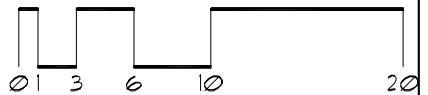
- SYMBOLS KEY**
- || SCUPPER
 - COLUMN
 - ROOF DRAIN
 - ROOF CURB
 - ≡ SLEEPER CURB
 - VENT STACK
 - Ⓢ DEFECT-REPAIR



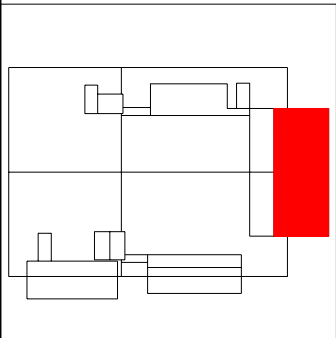
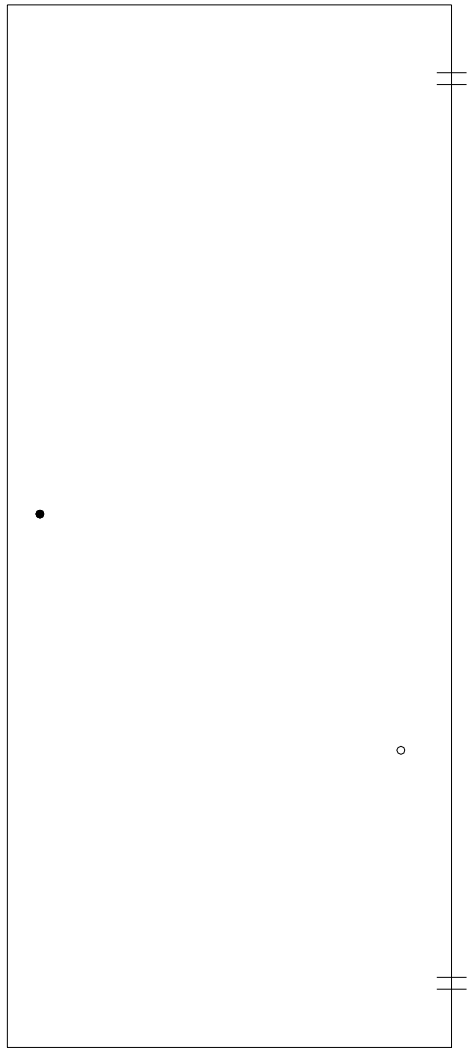
Roof Corrective Action



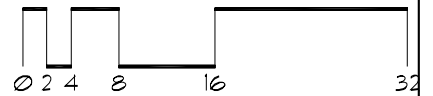
SYMBOLS KEY
○ VENT STACK
● ROOF DRAIN



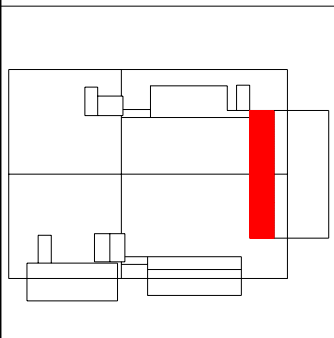
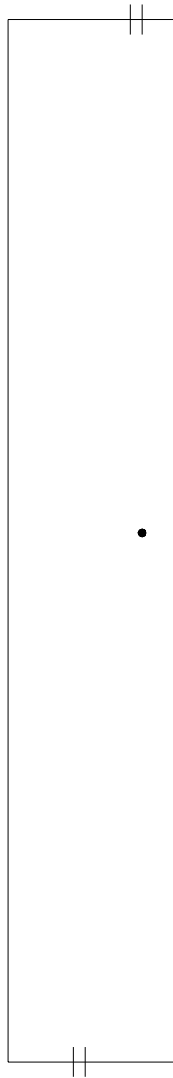
Roof Corrective Action



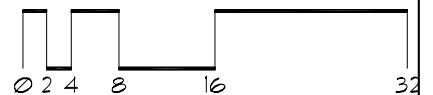
- SYMBOLS KEY**
- ⊥ SCUPPER
 - ROOF DRAIN
 - VENT STACK
 - ⊕ DEFECT-NO REPAIR



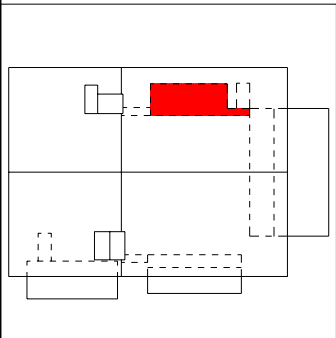
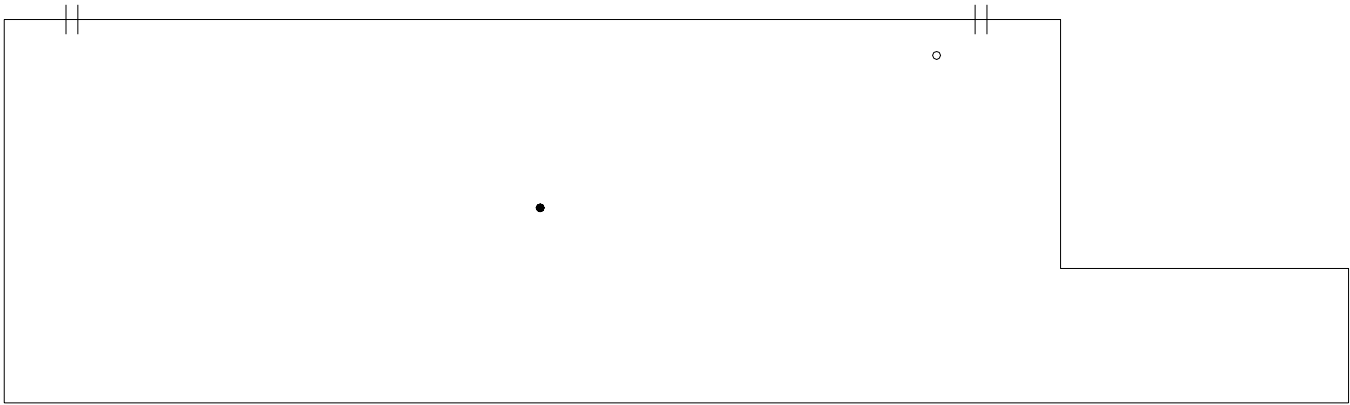
Roof Corrective Action



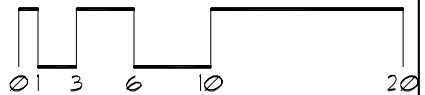
SYMBOLS KEY
|| SCUPPER
• ROOF DRAIN



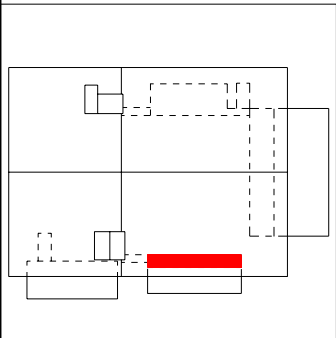
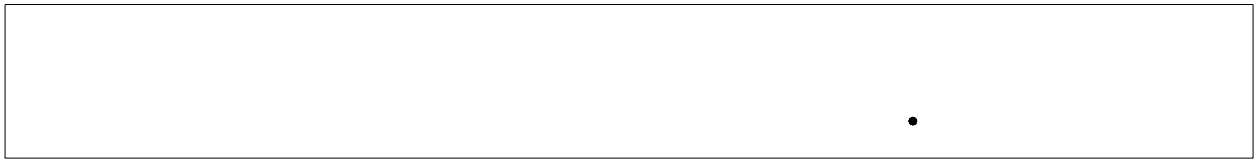
Roof Corrective Action



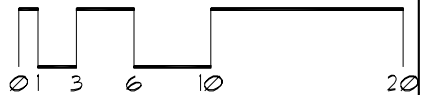
SYMBOLS KEY
|| SCUPPER
● ROOF DRAIN
○ VENT STACK



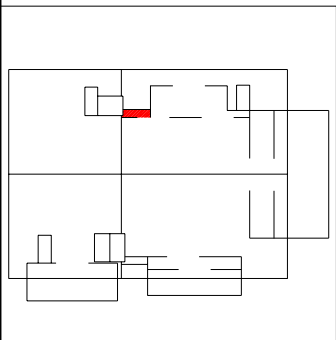
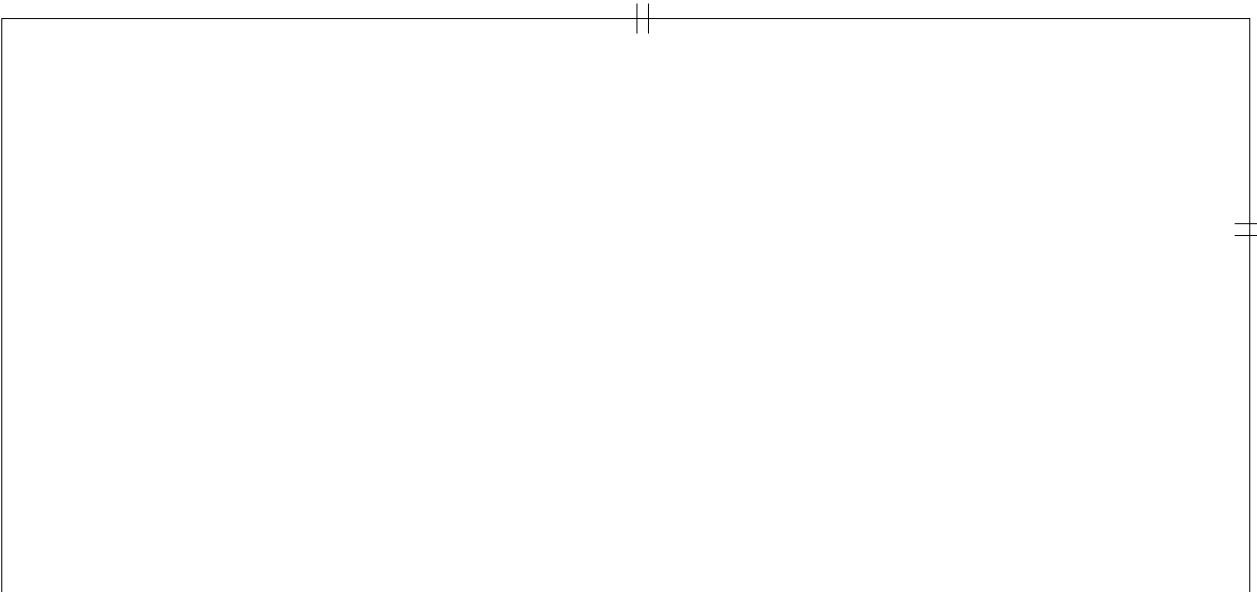
Roof Corrective Action



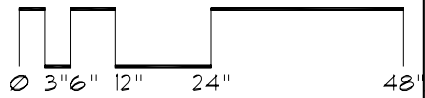
SYMBOLS KEY
• ROOF DRAIN



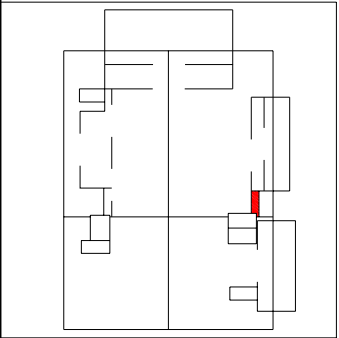
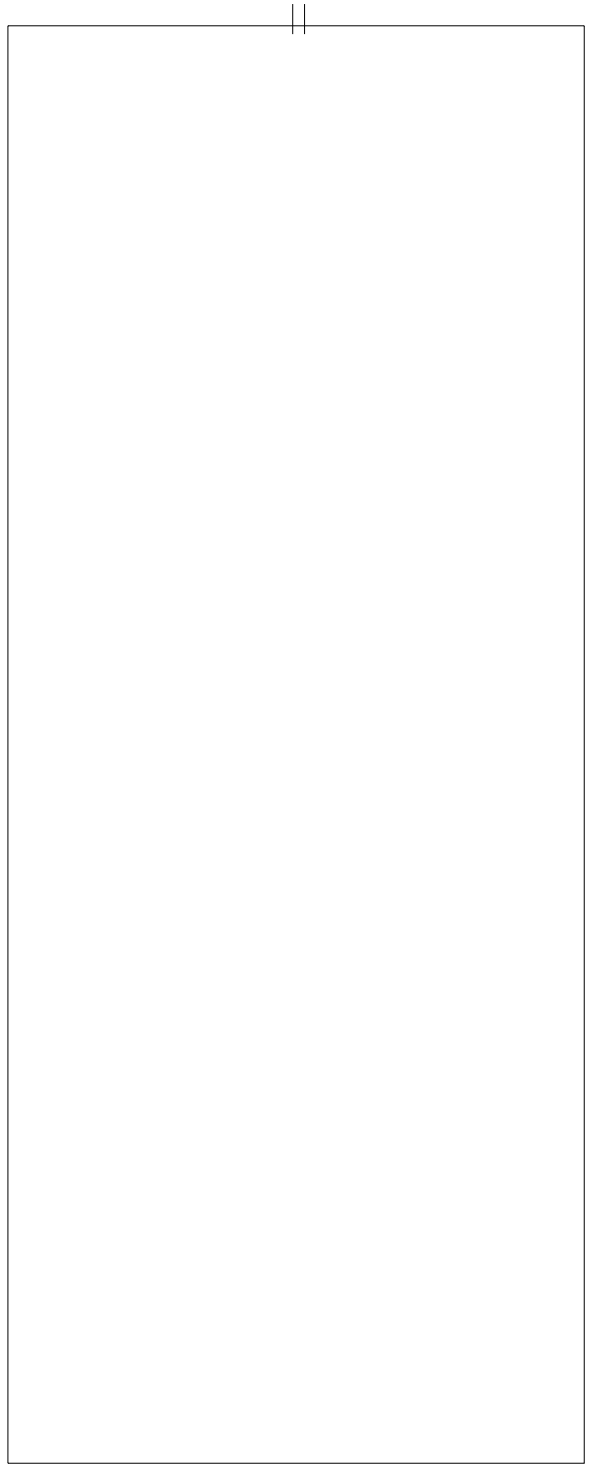
Roof Corrective Action



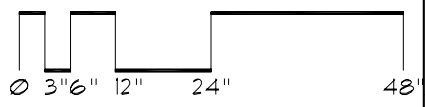
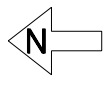
SYMBOLS KEY
| † SCUPPER



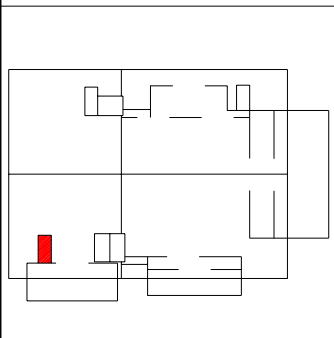
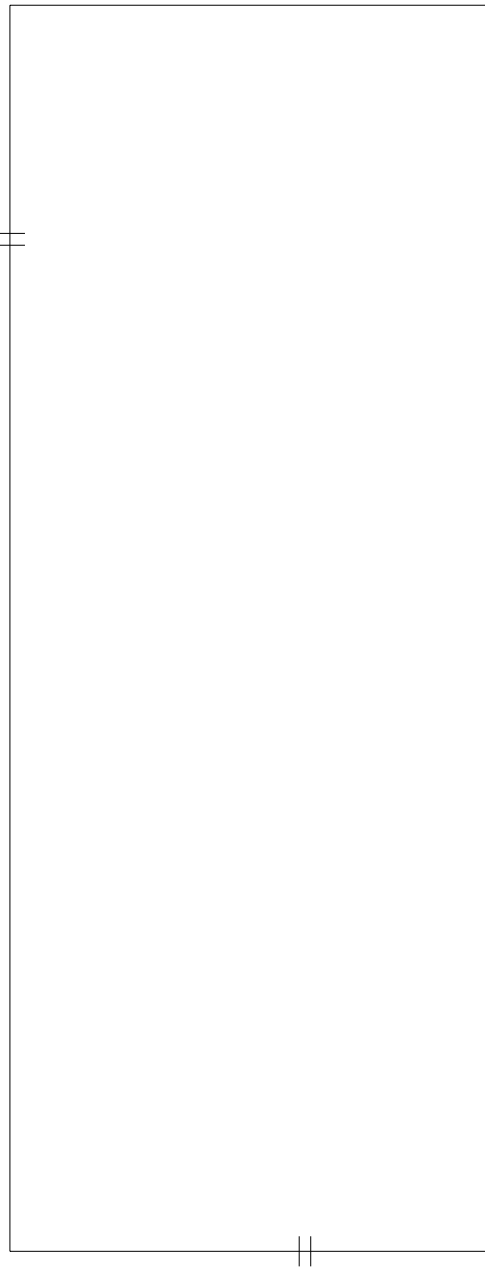
Roof Corrective Action



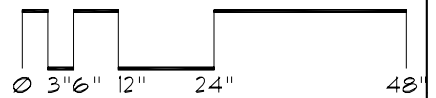
SYMBOLS KEY
|| SCUPPER



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER



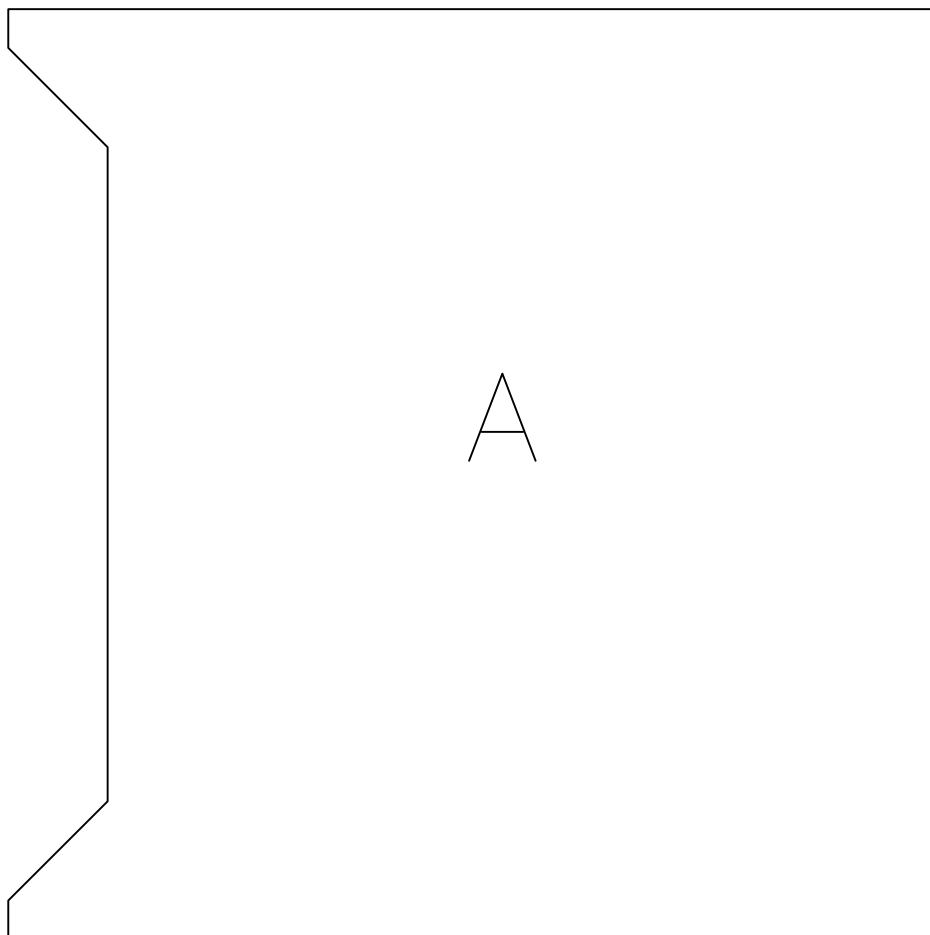
Roof ID

Building: WB210 - Sports Field Service - (1913 2nd St South)

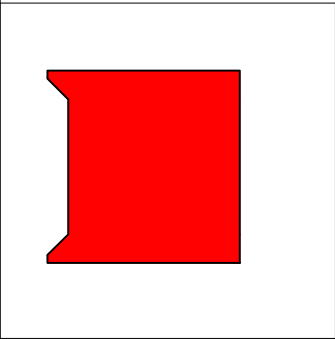
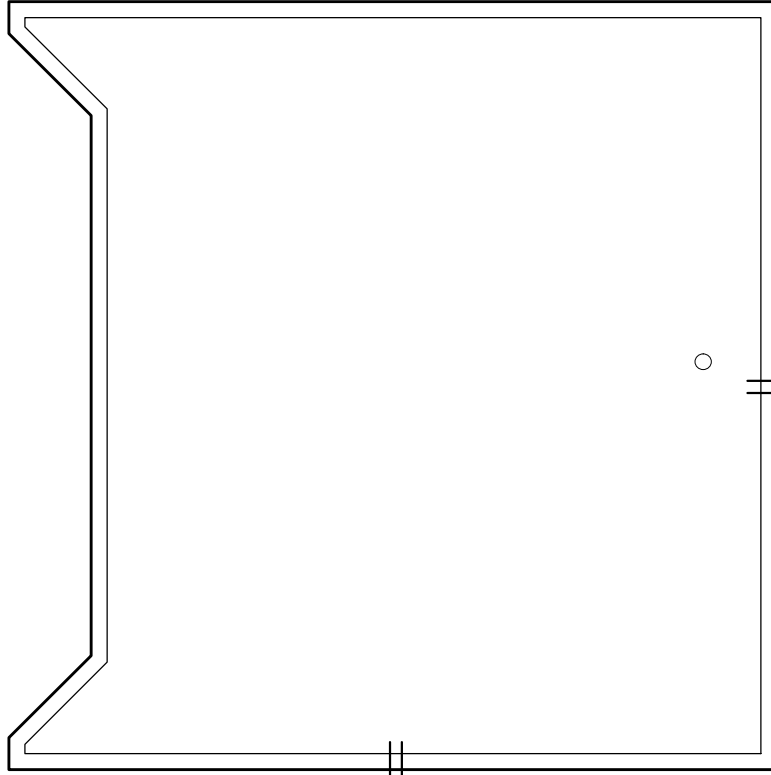
Roof Access: Ladder

Total SF: 1,217 sf

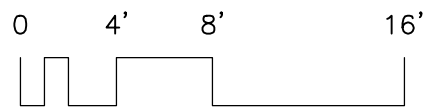
A: 1,217 sf



Roof Corrective Action



SYMBOLS KEY	
	SCUPPER
o	VENT



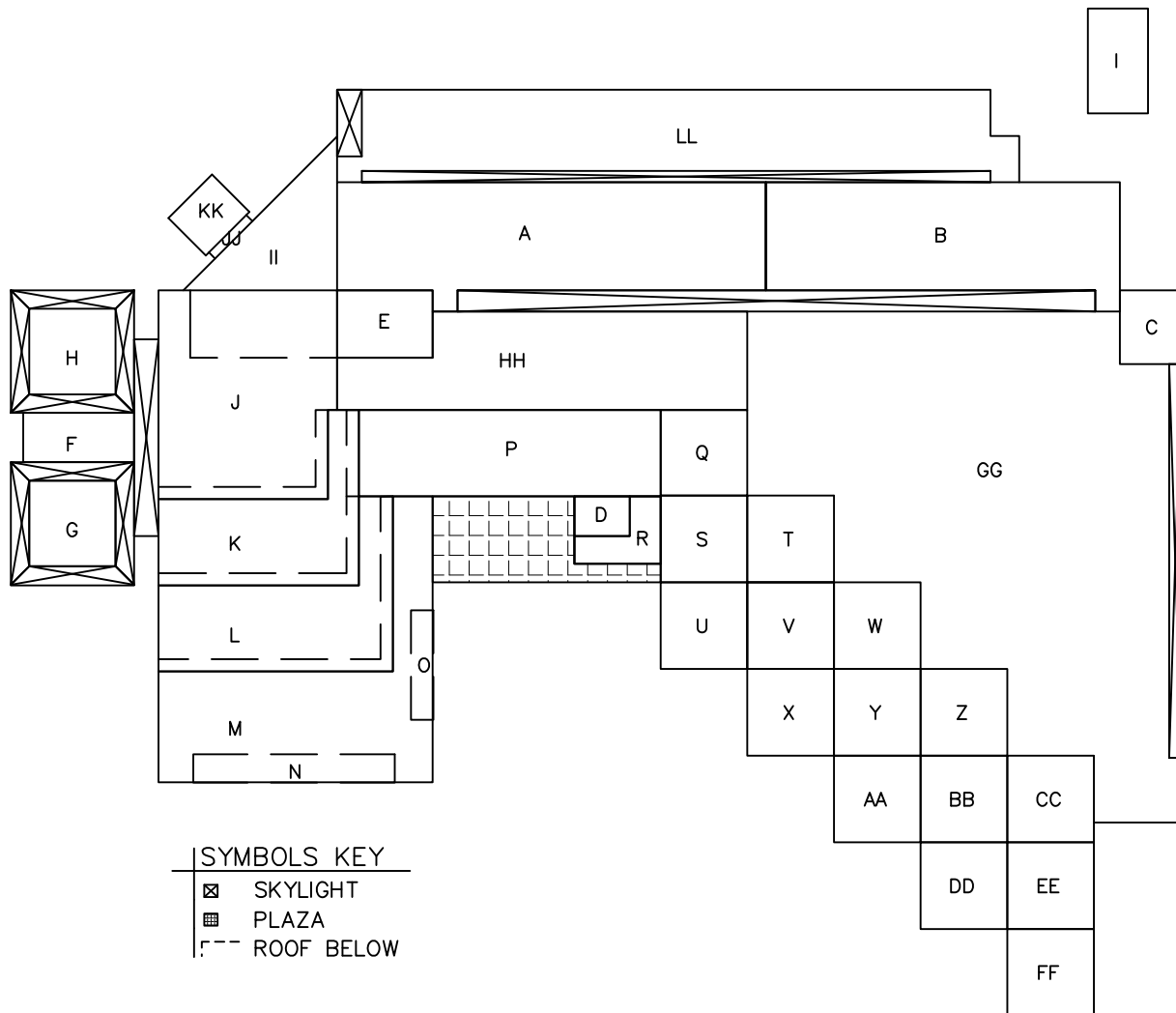
Roof ID

Building: 01.211 - Mondale Hall - (229 19th Avenue South)

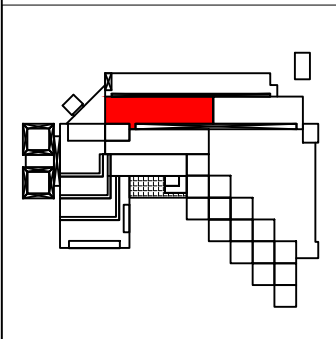
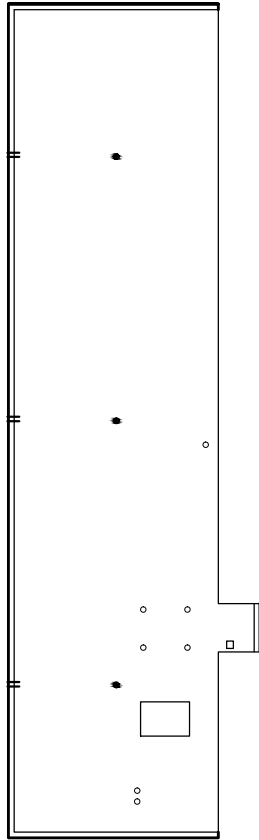
Roof Access: Elevator to 4th floor stairwell; roof hatches, ladders, lift

Total SF: 72,731 sf

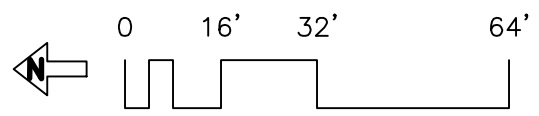
A: 4,920 sf	J: 3,851 sf	S: 780 sf	CC: 780 sf
B: 4,912 sf	K: 2,430 sf	T: 780 sf	DD: 780 sf
C: 564 sf	L: 2,800 sf	U: 780 sf	EE: 780 sf
D: 231 sf	M: 4,446 sf	V: 780 sf	FF: 780 sf
E: 610 sf	N: 602 sf	W: 780 sf	GG: 15,228 sf
F: 586 sf	O: 258 sf	X: 780 sf	HH: 3,790 sf
G: 778 sf	P: 2,854 sf	Y: 780 sf	II: 2,287 sf
H: 778 sf	Q: 780 sf	Z: 780 sf	JJ: 49 sf
I: 662 sf	R: 381 sf	AA: 780 sf	KK: 342 sf
		BB: 780 sf	LL: 6,500 sf



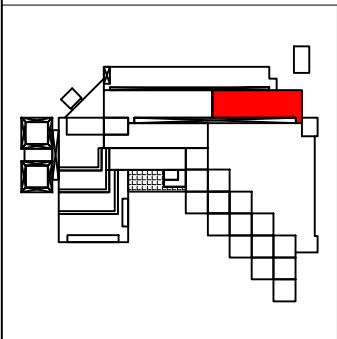
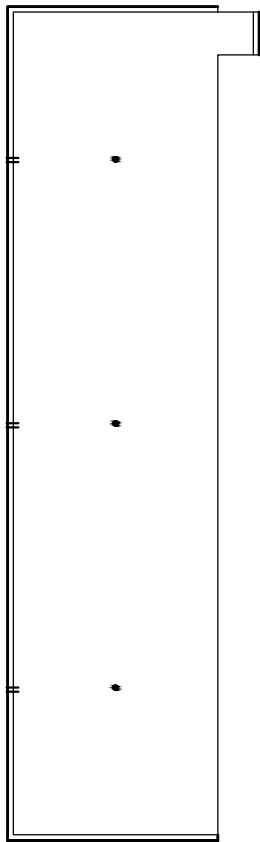
Roof Corrective Action



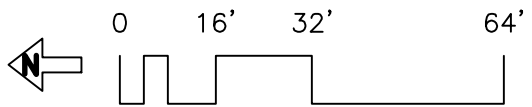
- SYMBOLS KEY**
- ROOF DRAIN
 - ROOF CURB
 - ⊥ SCUPPER
 - VENT



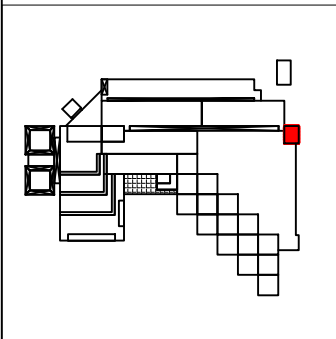
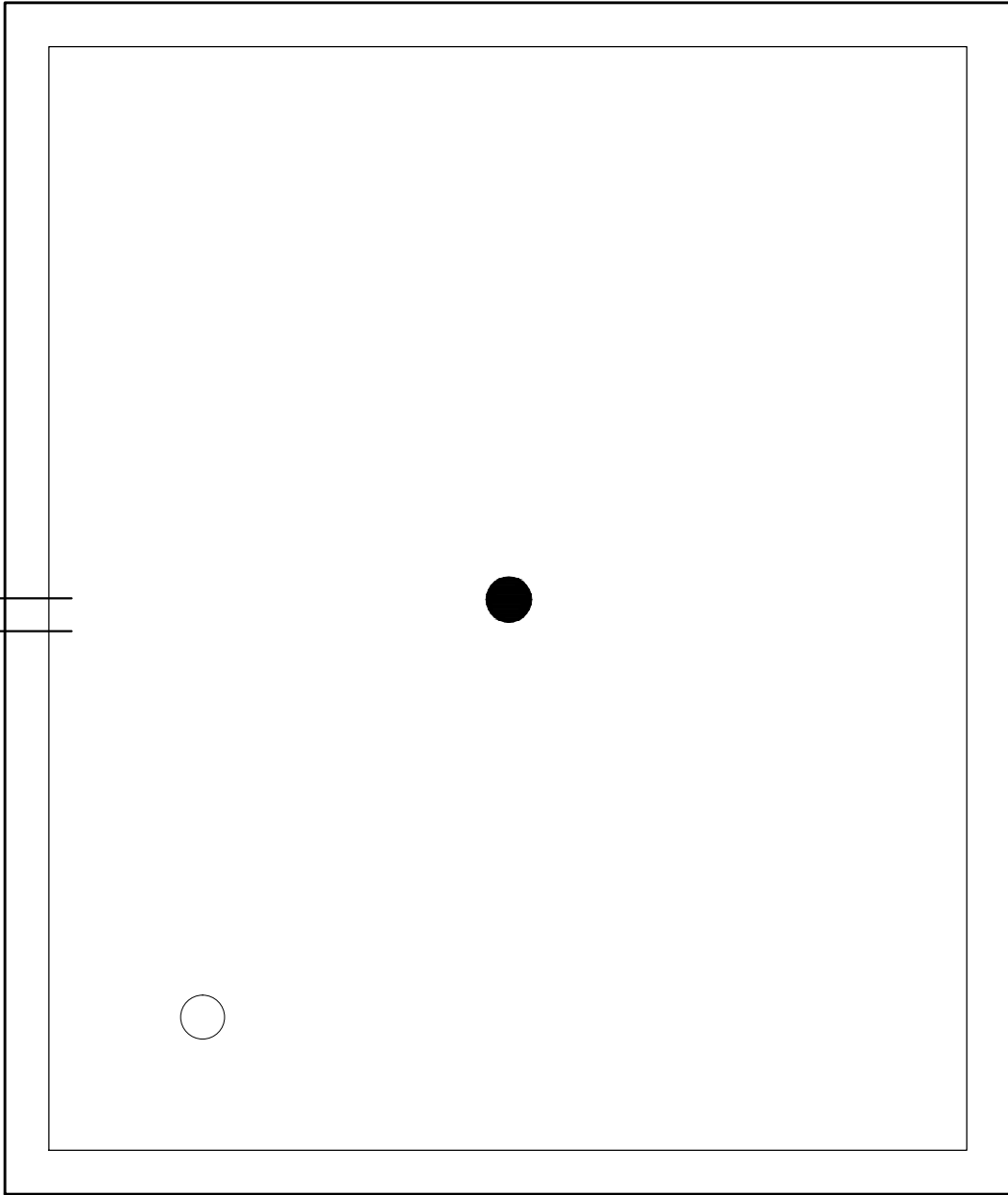
Roof Corrective Action



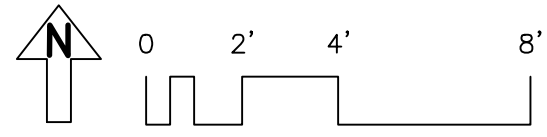
SYMBOLS KEY
● ROOF DRAIN
|| SCUPPER



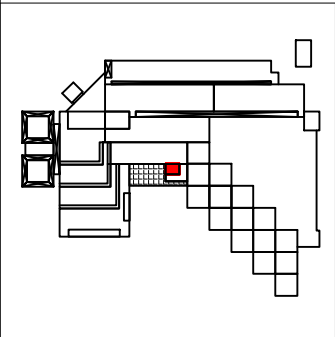
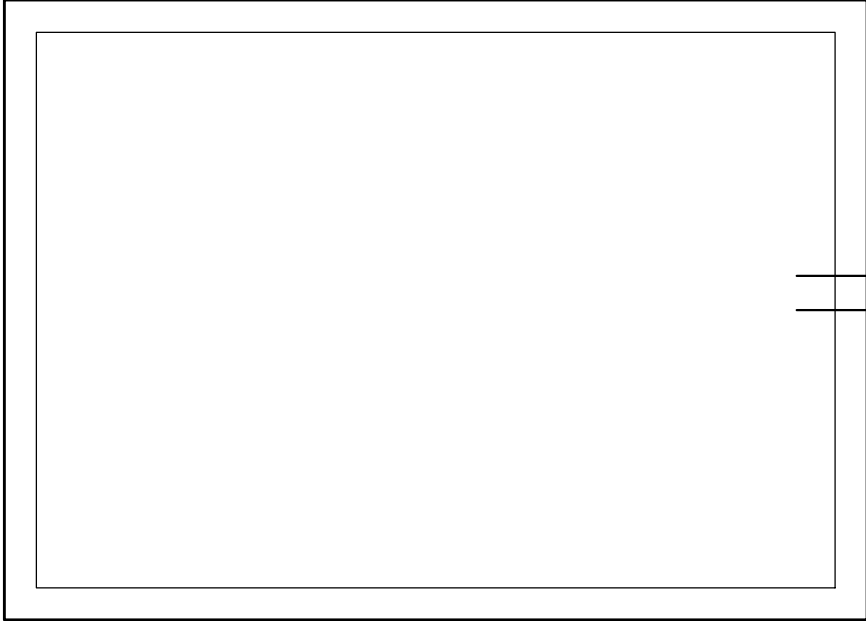
Roof Corrective Action



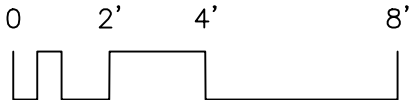
SYMBOLS KEY	
●	ROOF DRAIN
⊥	SCUPPER
○	VENT



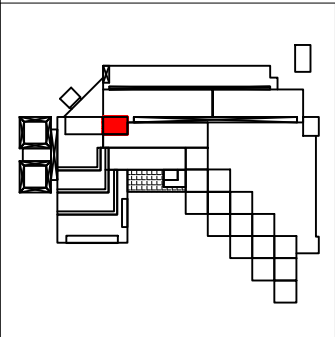
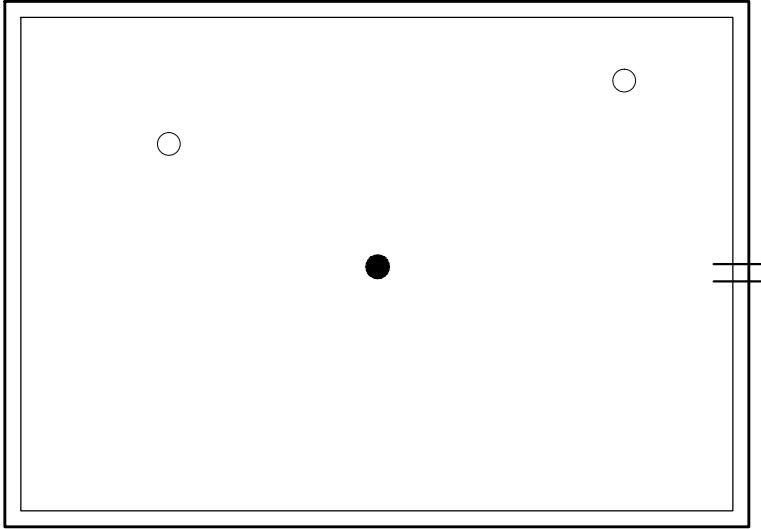
Roof Corrective Action



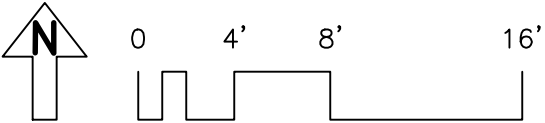
SYMBOLS KEY
|| SCUPPER



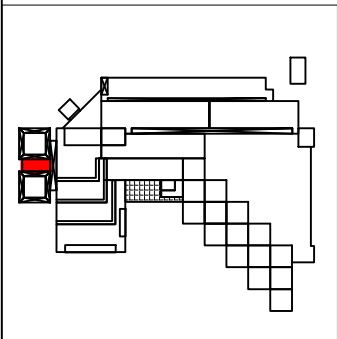
Roof Corrective Action



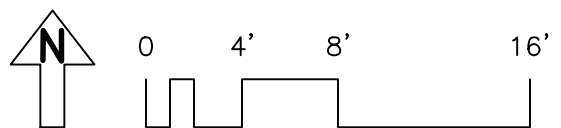
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



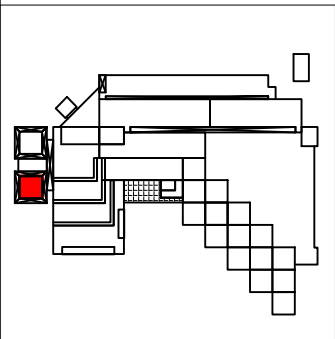
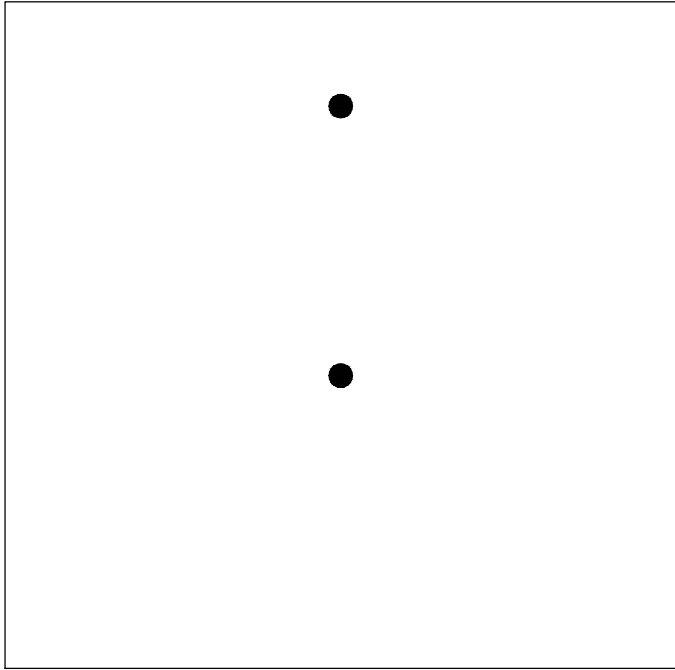
Roof Corrective Action



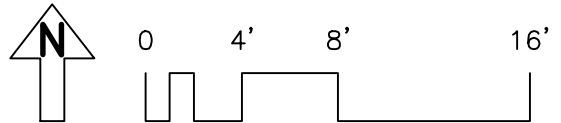
SYMBOLS KEY
● ROOF DRAIN
⊥ SCUPPER



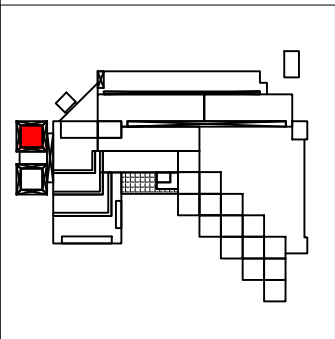
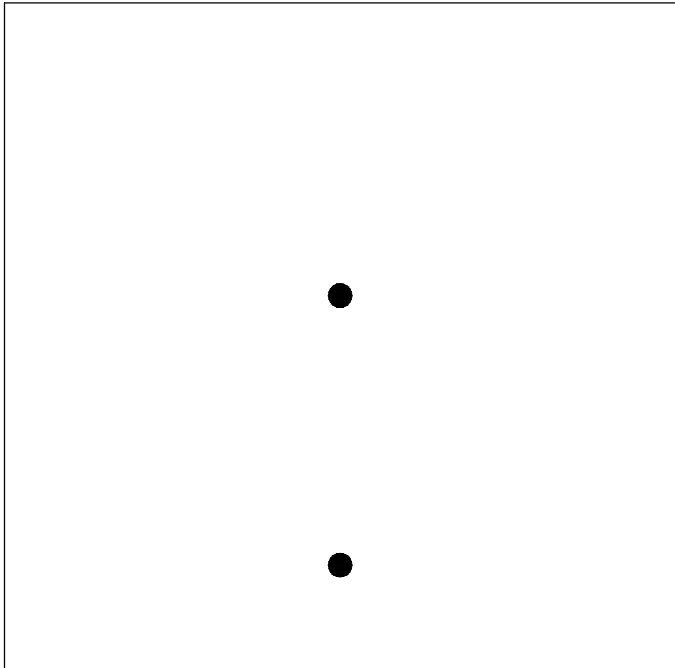
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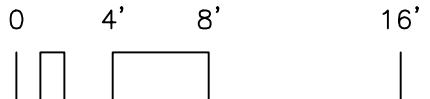
SYMBOLS KEY
● ROOF DRAIN



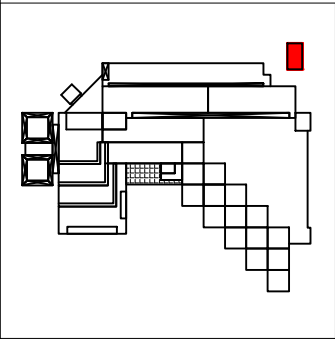
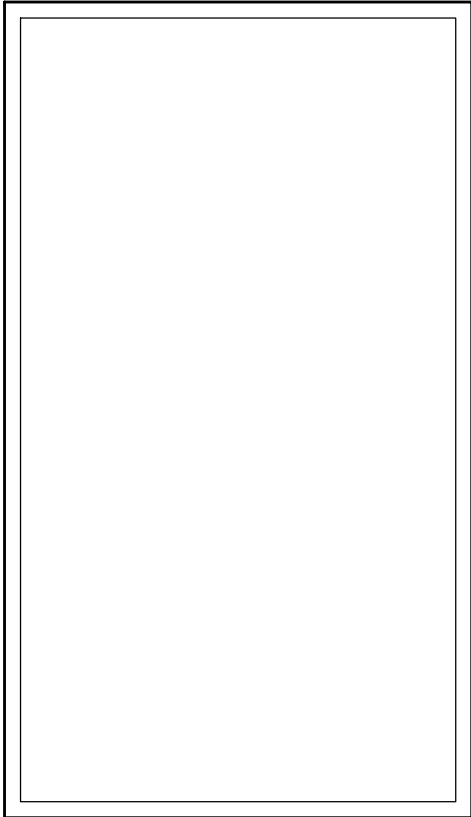
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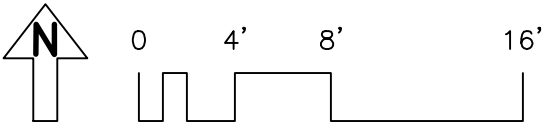
SYMBOLS KEY
● ROOF DRAIN



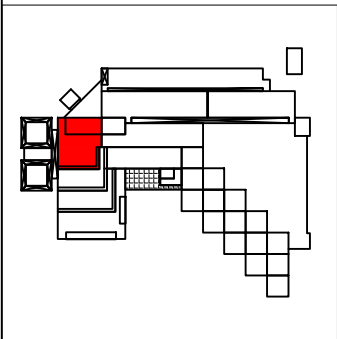
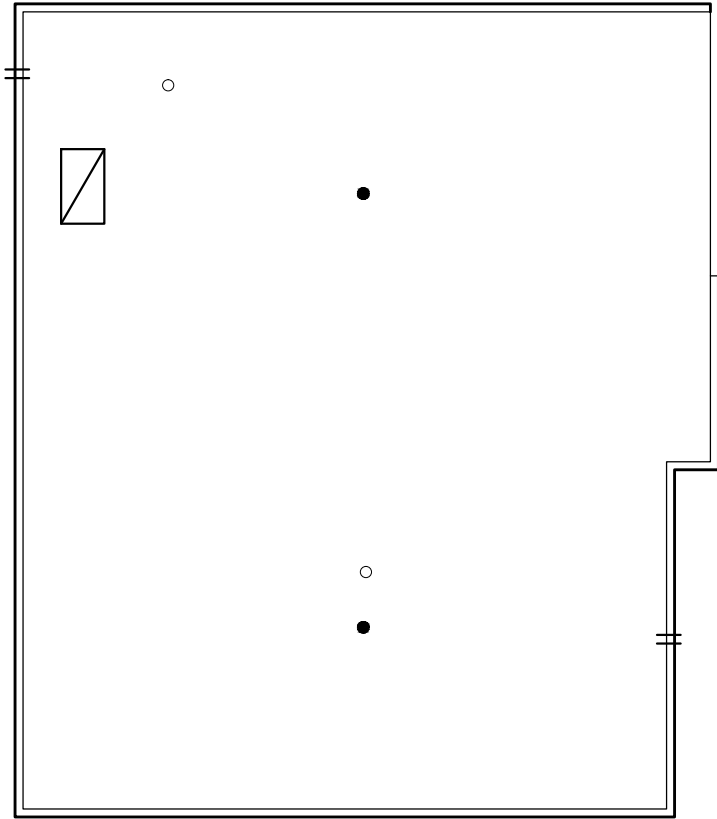
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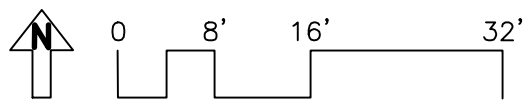
SYMBOLS KEY
● ROOF DRAIN
†† SCUPPER



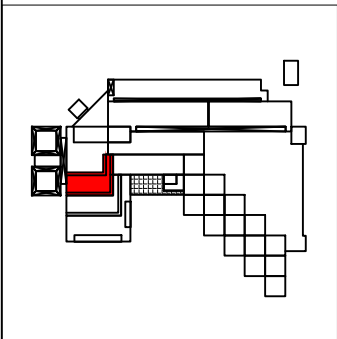
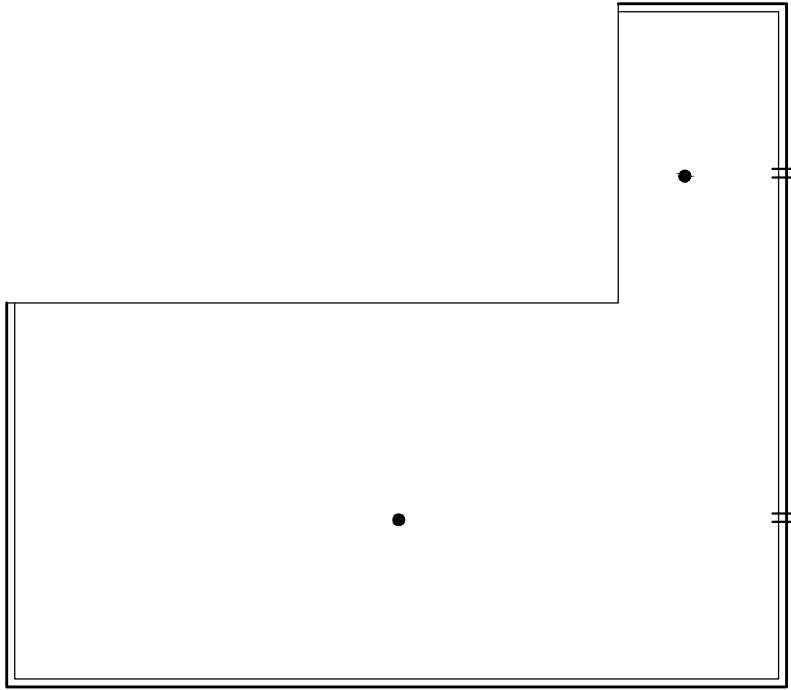
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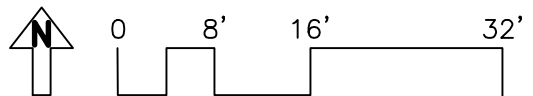
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT
▣	ROOF HATCH



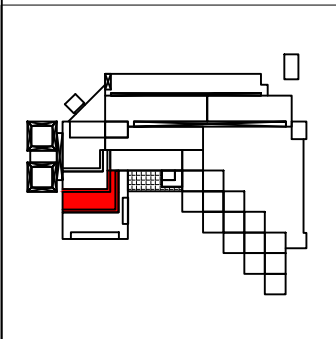
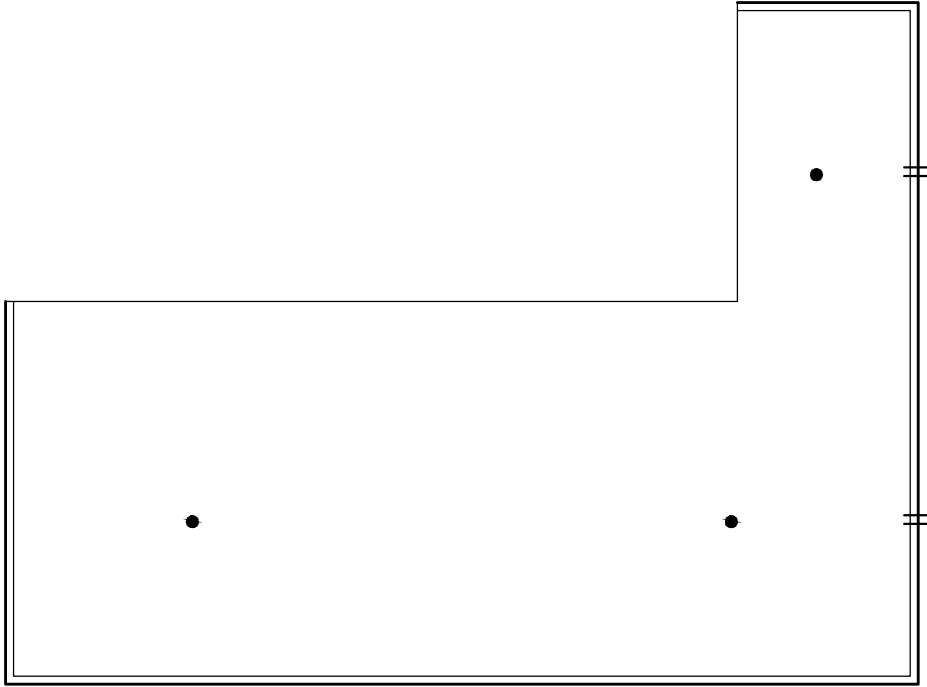
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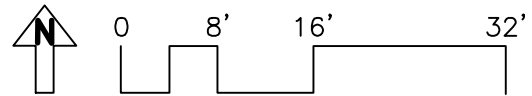
SYMBOLS KEY
● ROOF DRAIN
|| SCUPPER



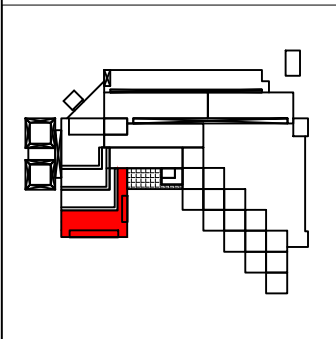
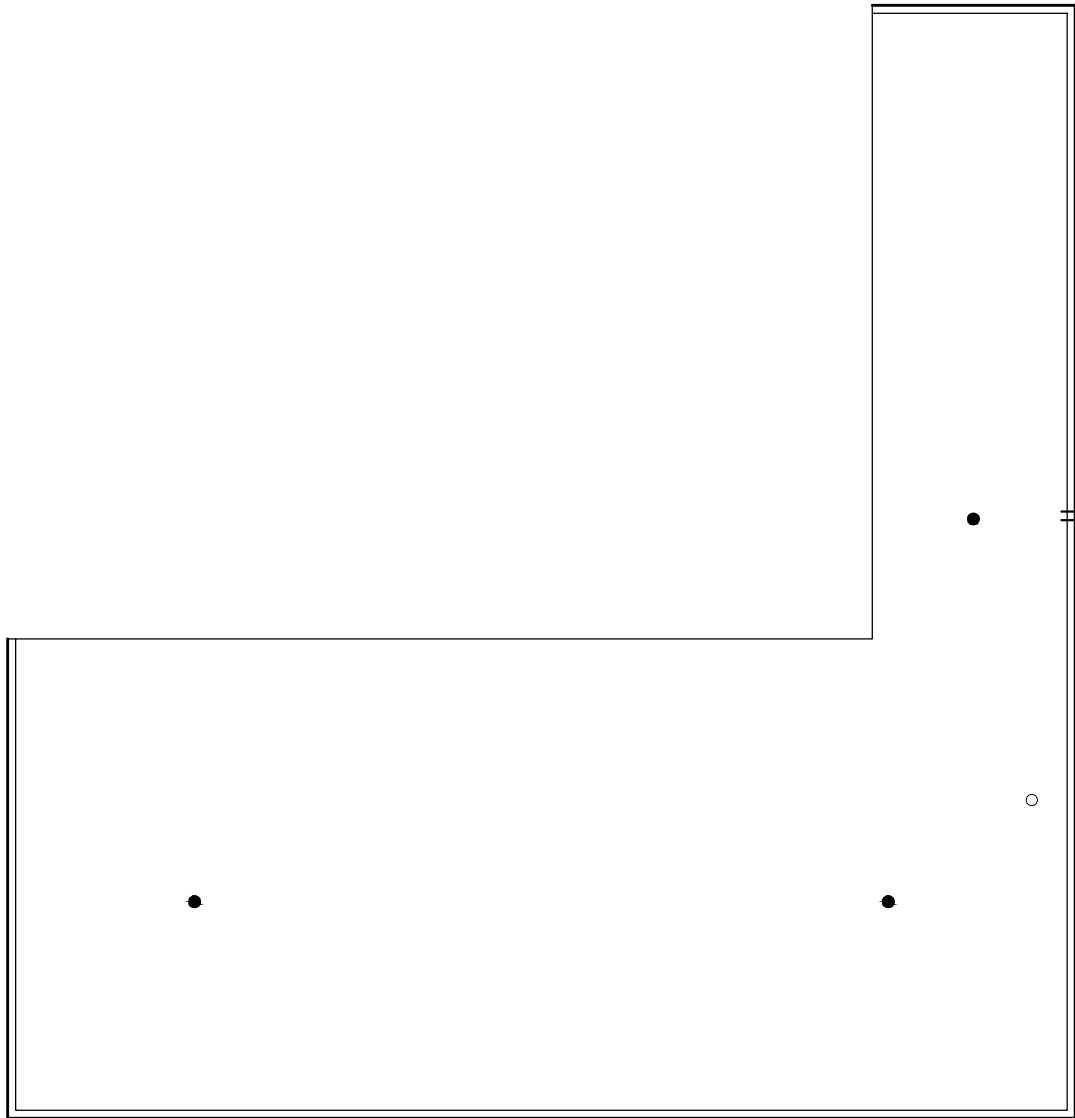
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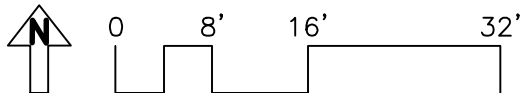
SYMBOLS KEY
● ROOF DRAIN
|| SCUPPER



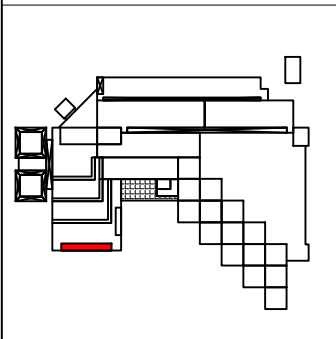
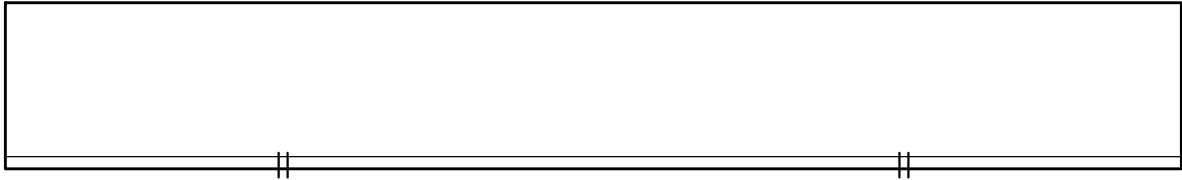
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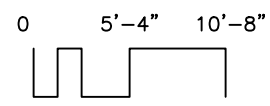
SYMBOLS KEY	
●	ROOF DRAIN
○	VENT
	SCUPPER



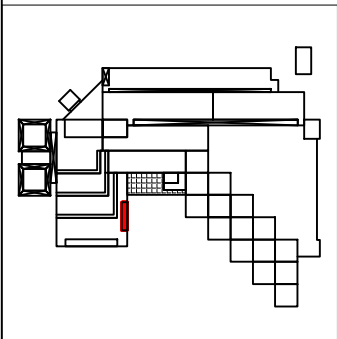
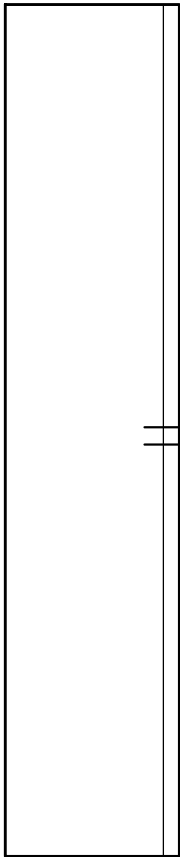
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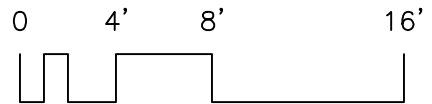
SYMBOLS KEY
|| SCUPPER



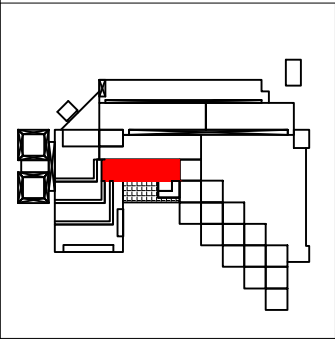
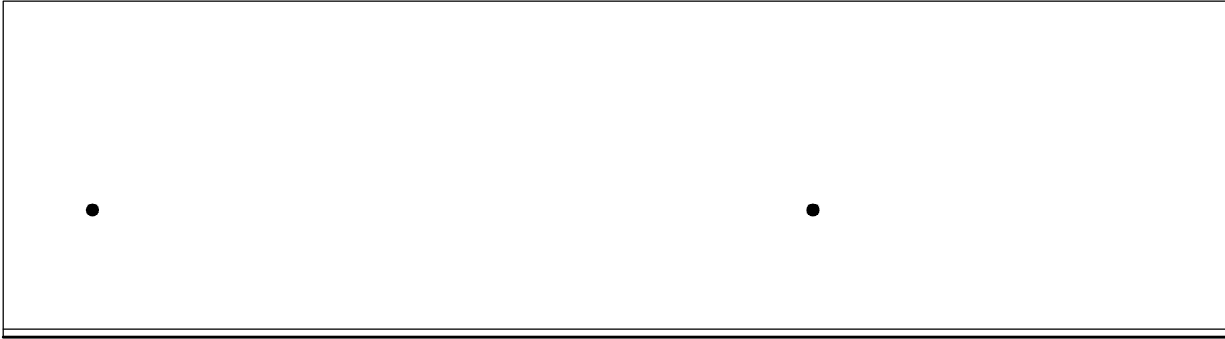
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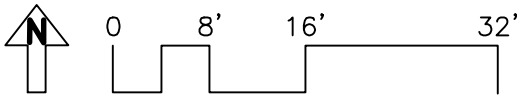
SYMBOLS KEY
|| SCUPPER



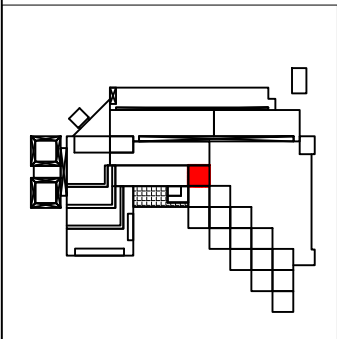
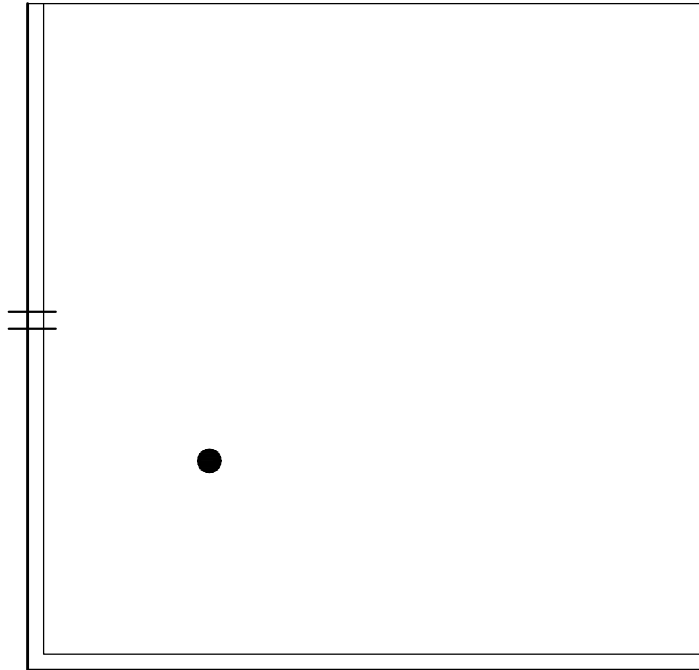
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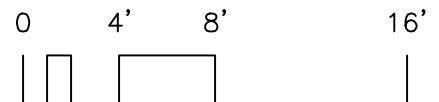
SYMBOLS KEY
● ROOF DRAIN



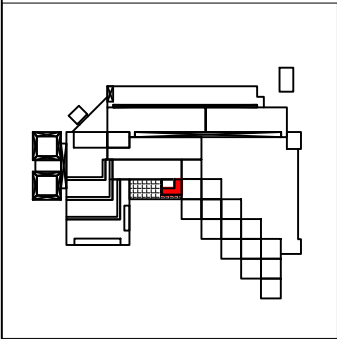
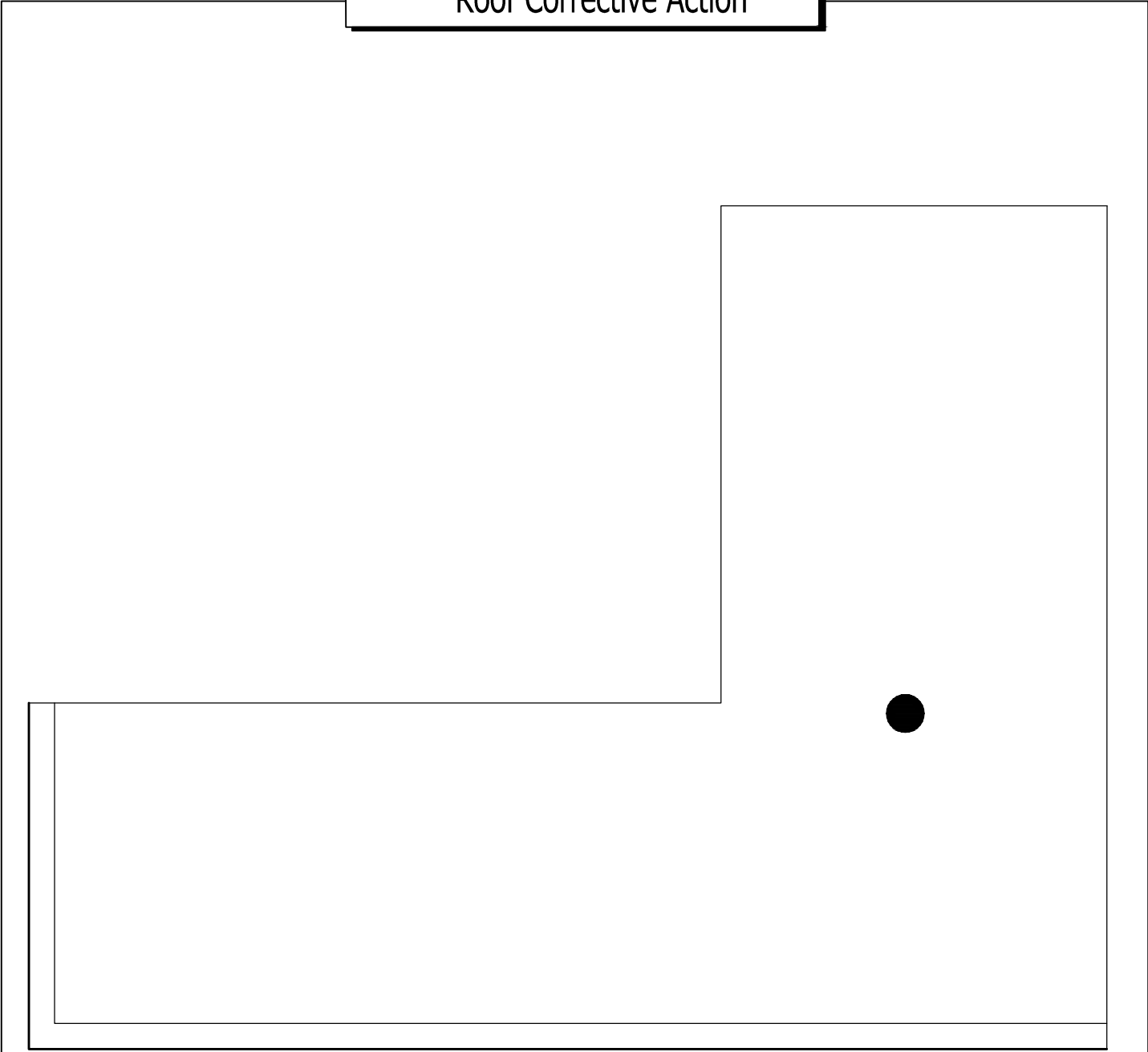
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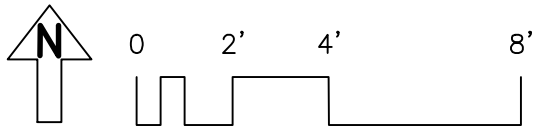
SYMBOLS KEY
|| SCUPPER



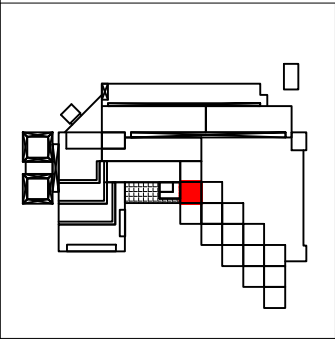
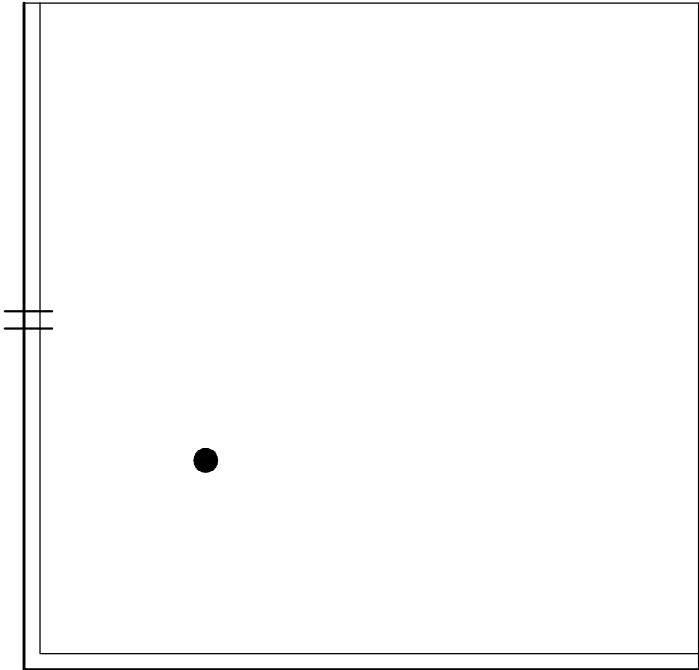
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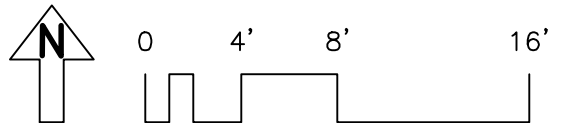
SYMBOLS KEY
|| SCUPPER
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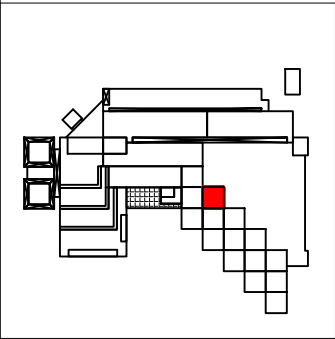
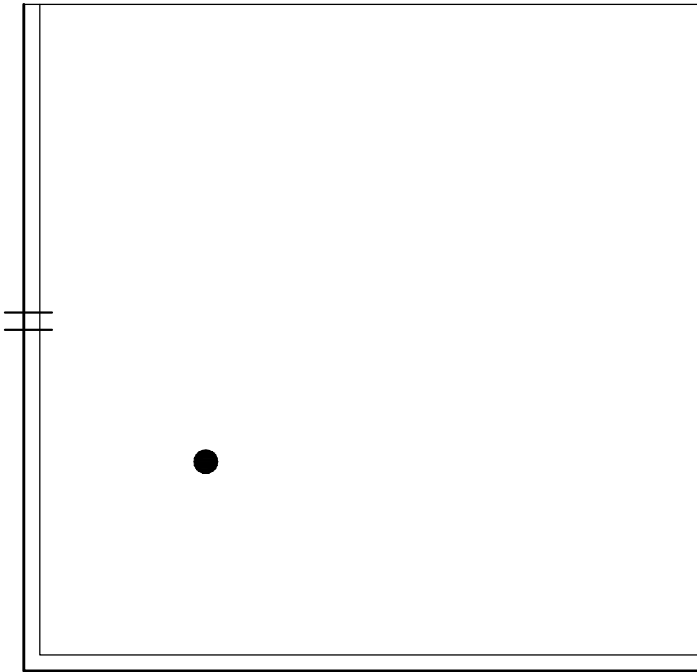
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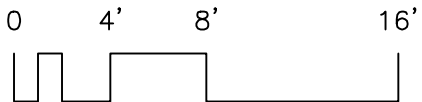
SYMBOLS KEY
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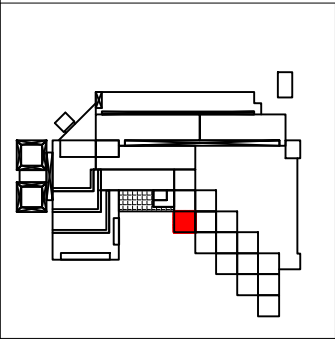
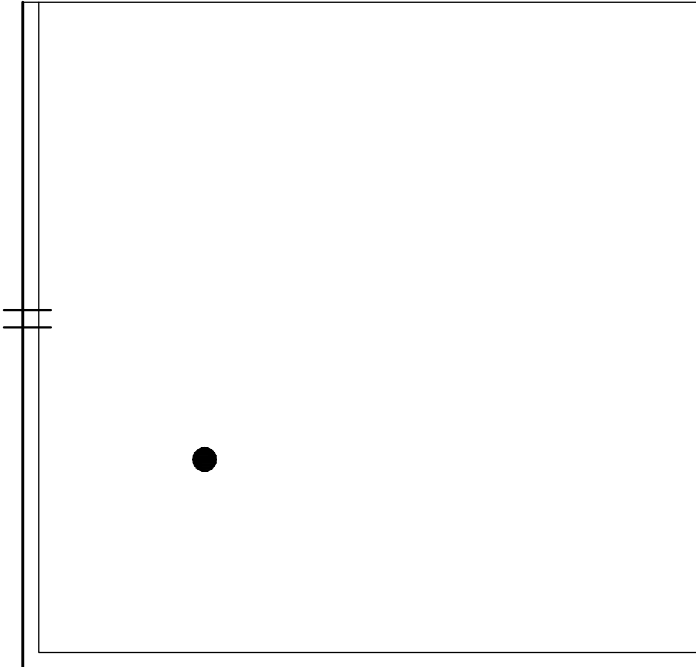
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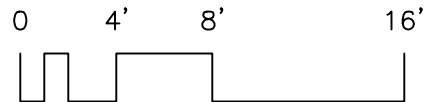
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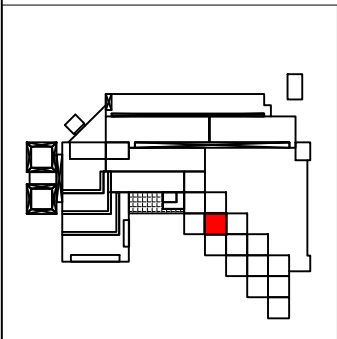
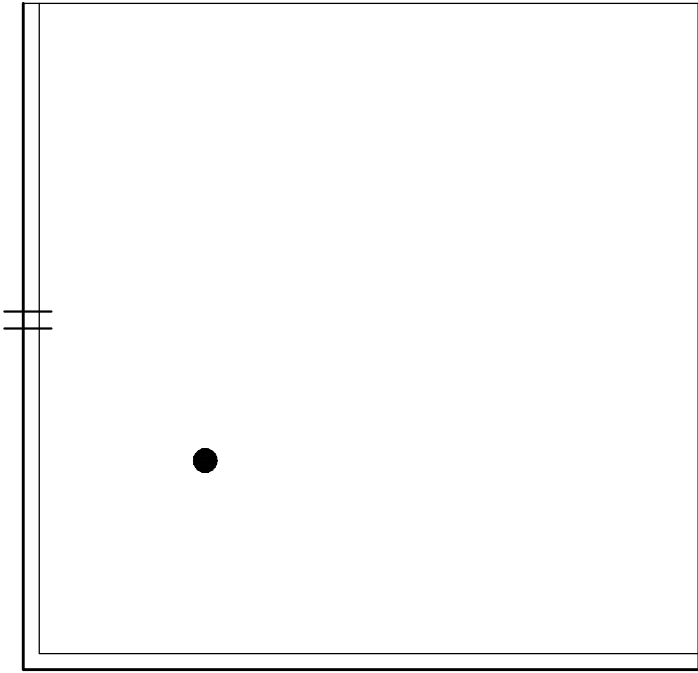
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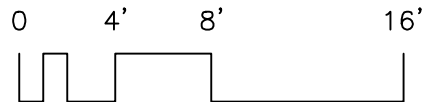
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|| SCUPPER
● ROOF DRAIN



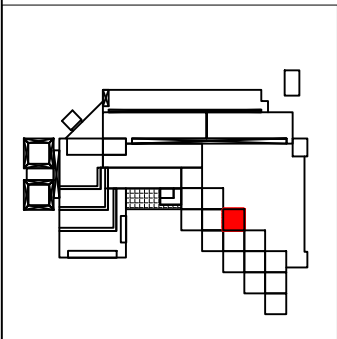
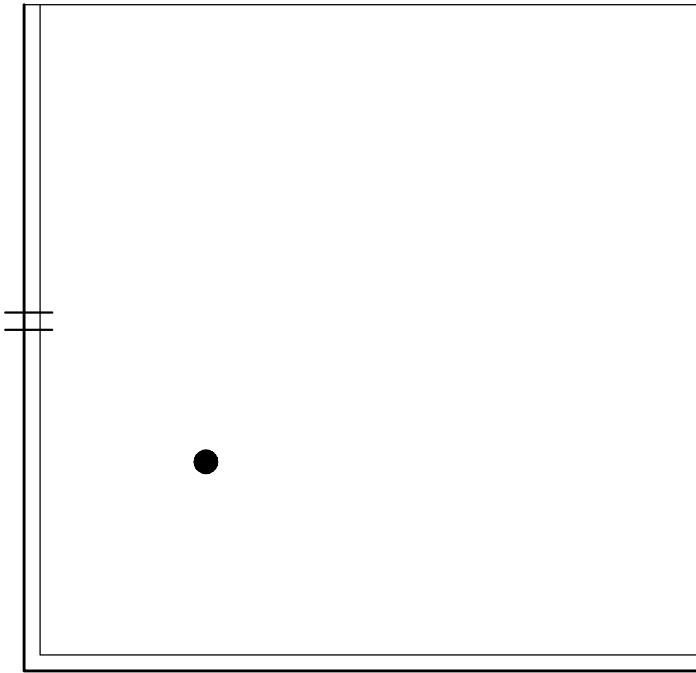
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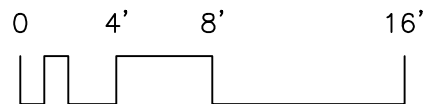
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● ROOF DRAIN



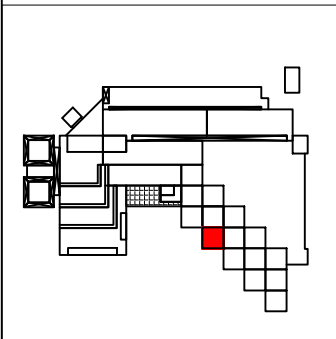
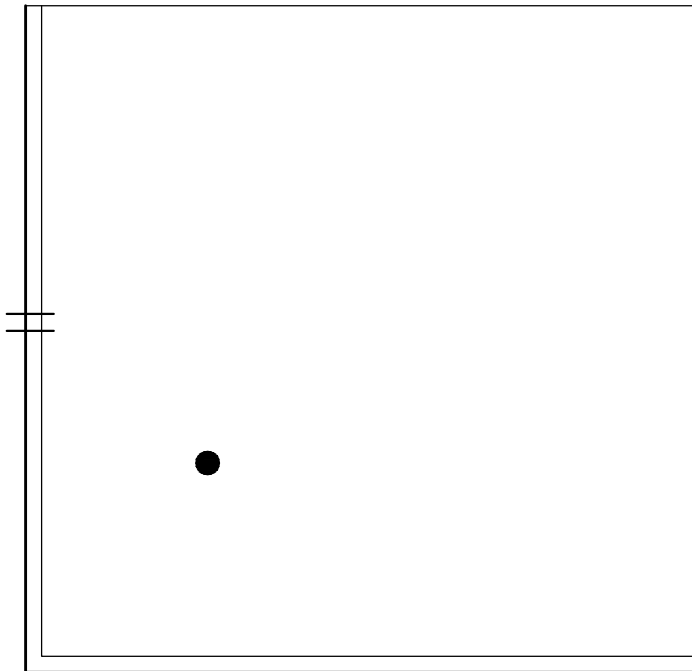
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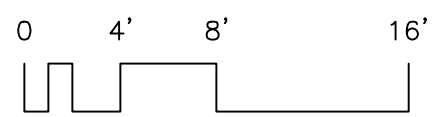
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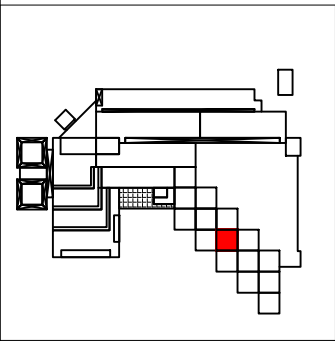
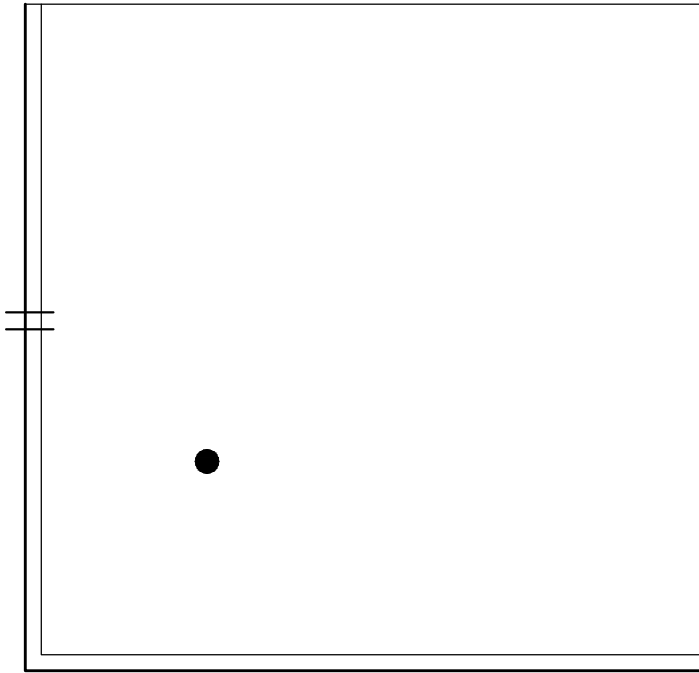
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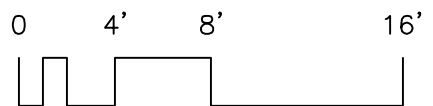
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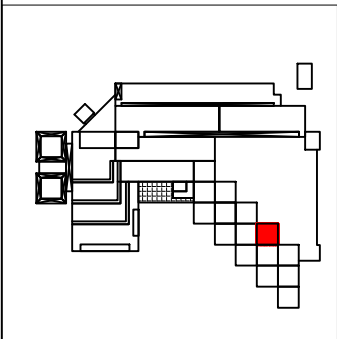
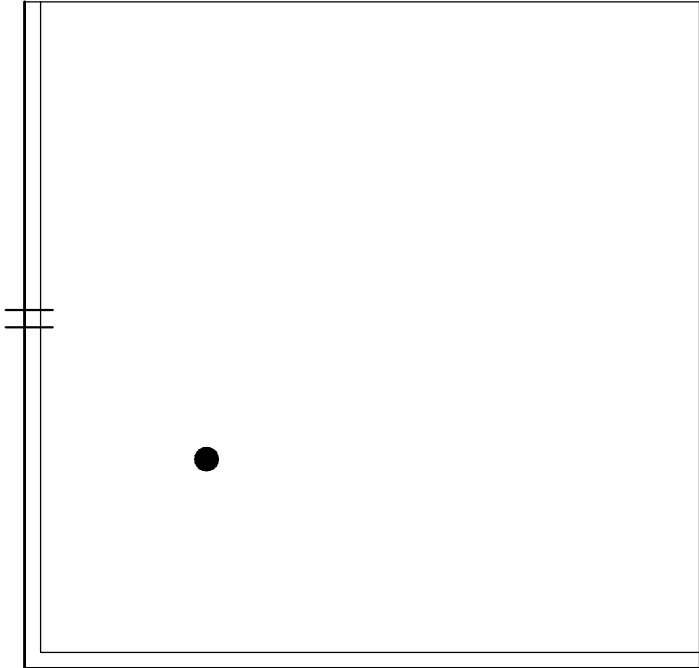
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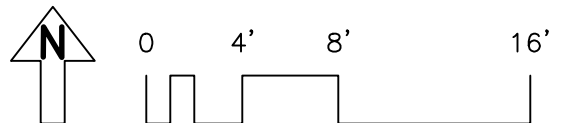
SYMBOLS KEY
|| SCUPPER
● ROOF DRAIN



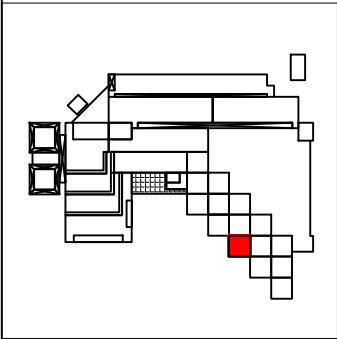
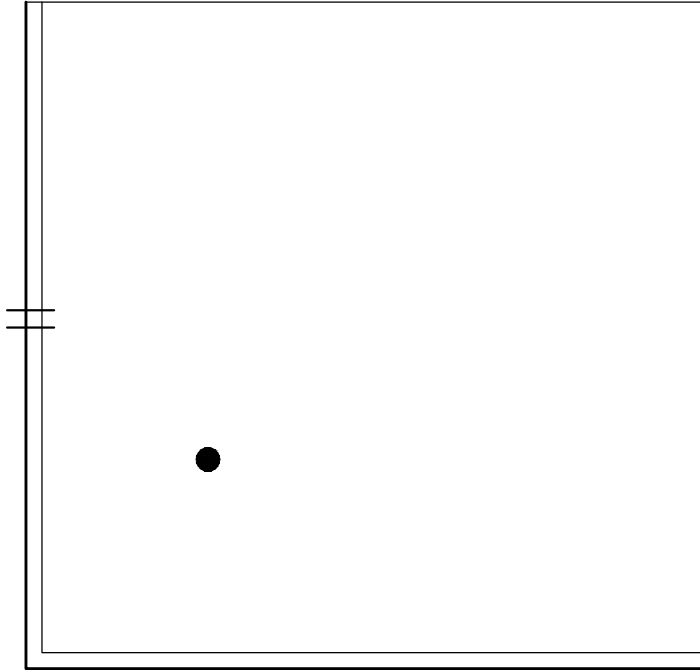
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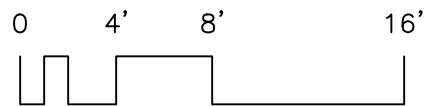
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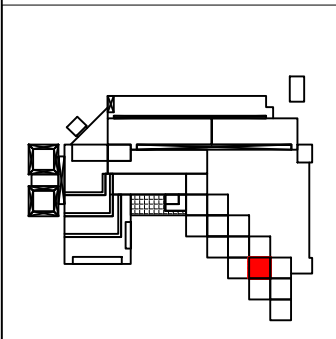
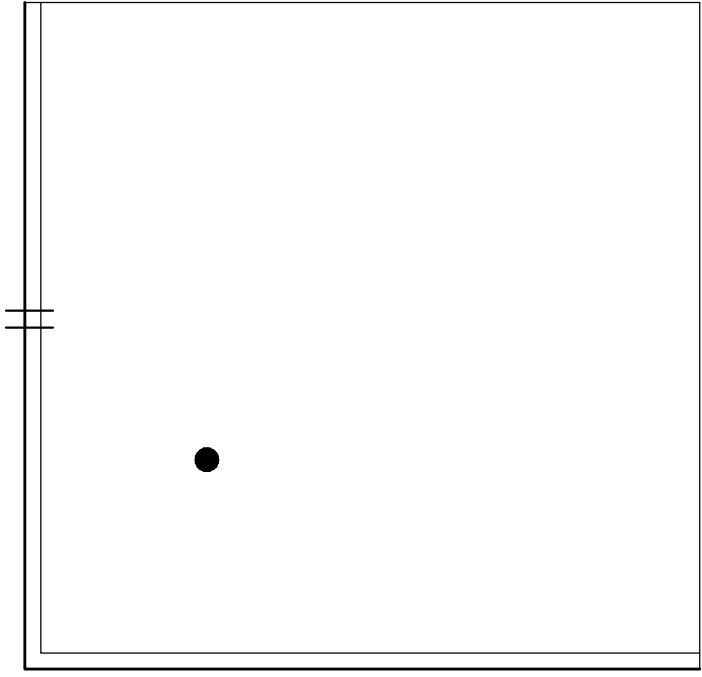
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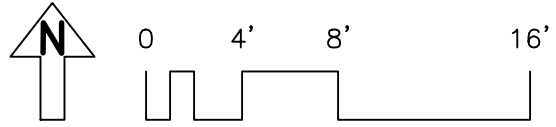
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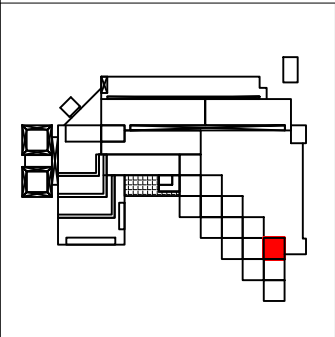
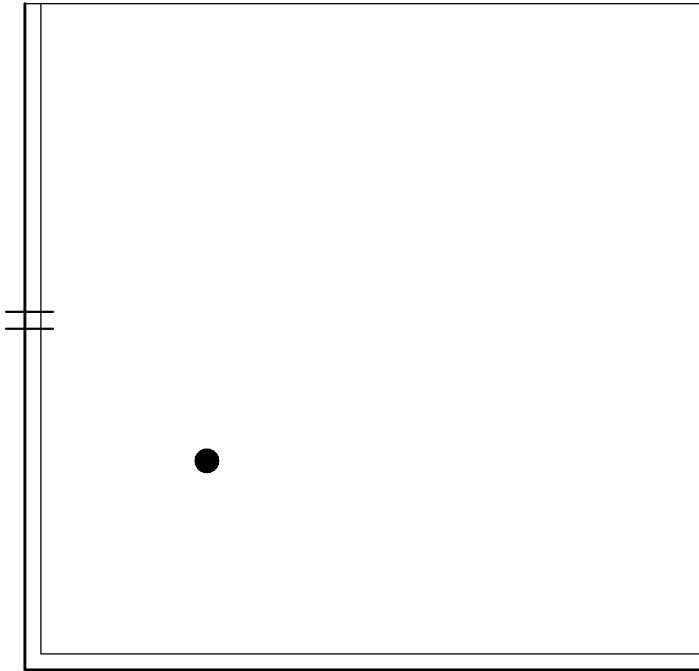
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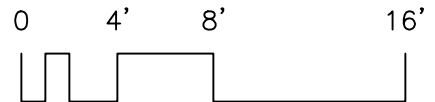
SYMBOLS KEY
|| SCUPPER
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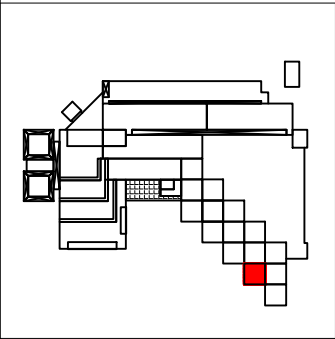
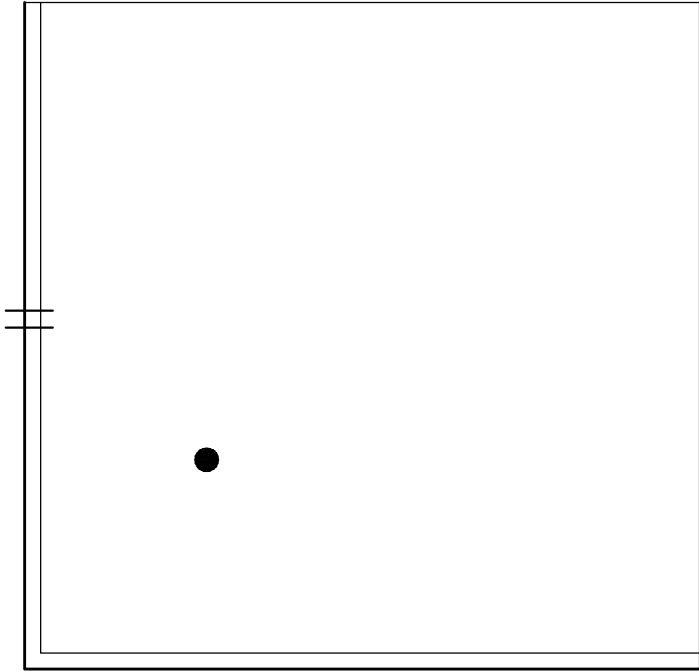
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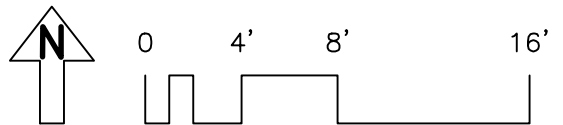
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● ROOF DRAIN



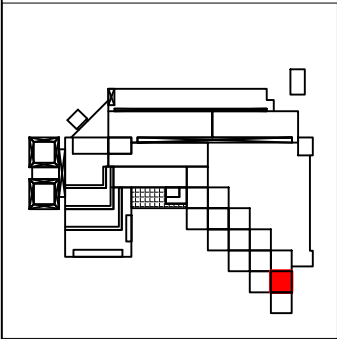
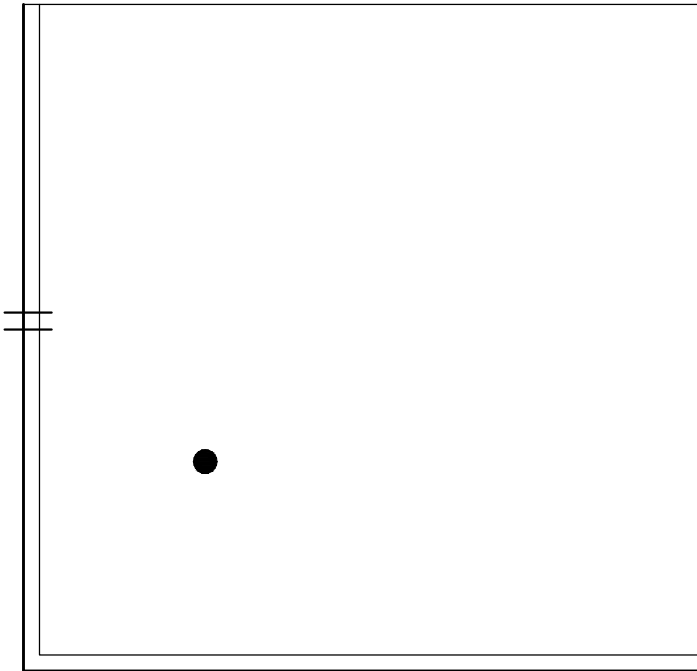
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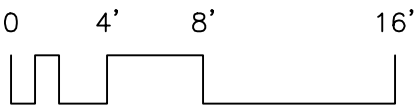
SYMBOLS KEY
|| SCUPPER
● ROOF DRAIN



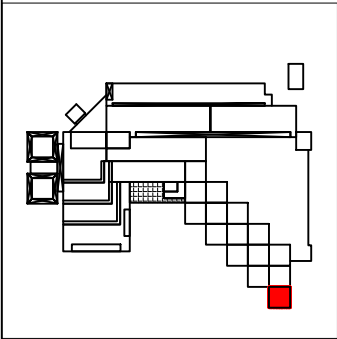
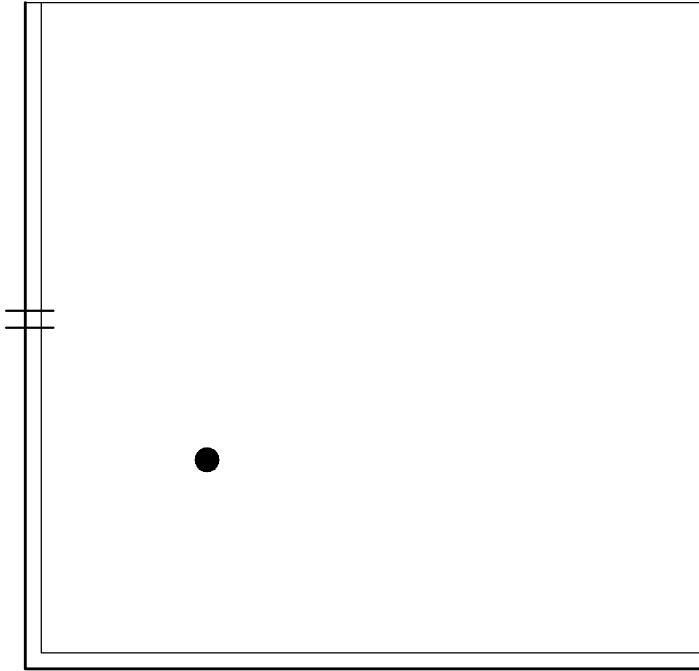
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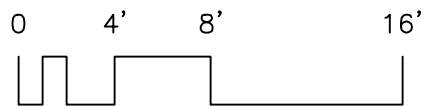
SYMBOLS KEY
|| SCUPPER
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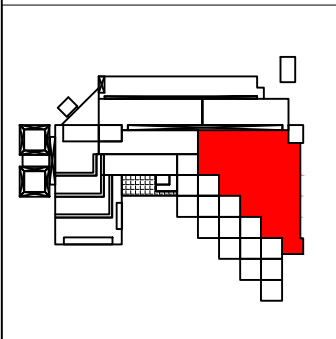
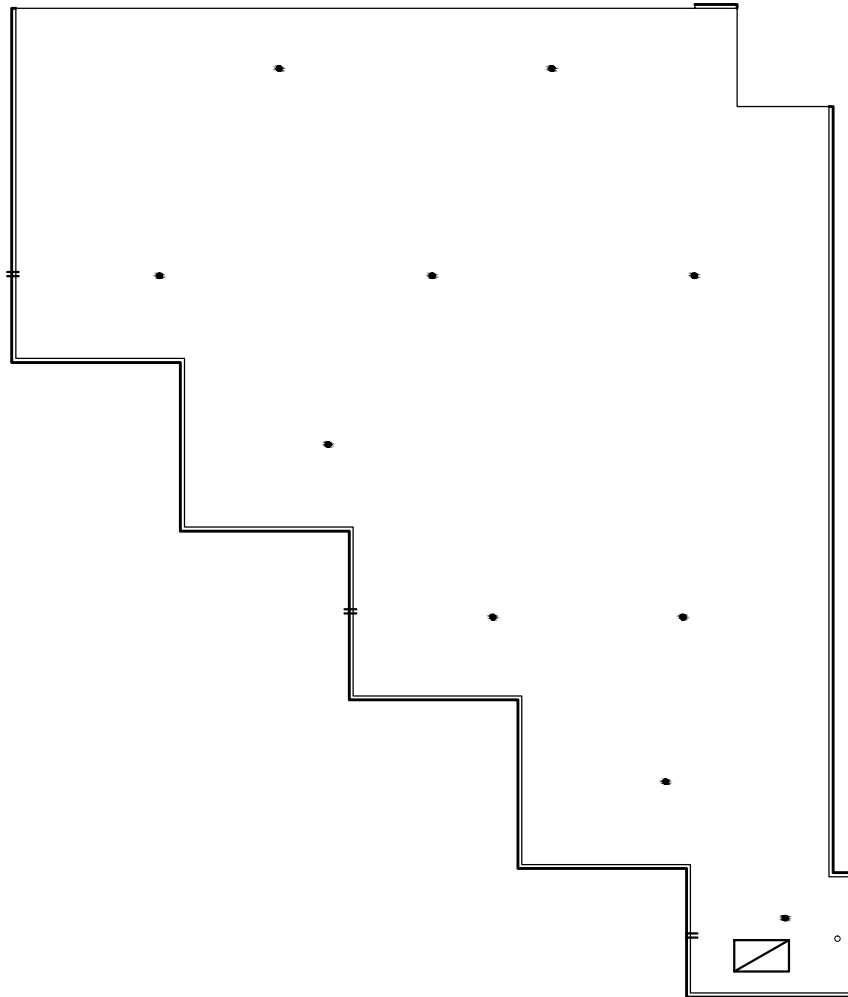
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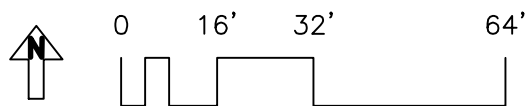
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|| SCUPPER
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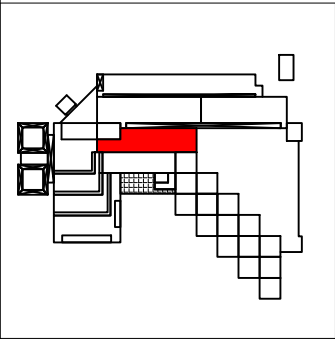
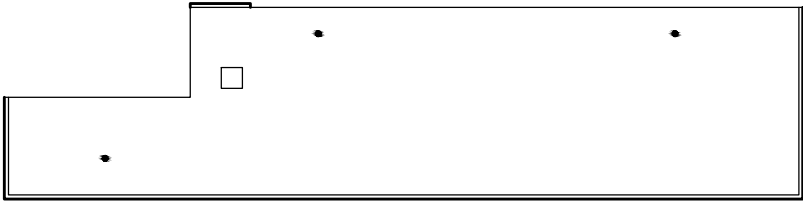
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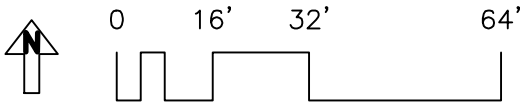
- SYMBOLS KEY**
- ROOF DRAIN
 - † SCUPPER
 - VENT
 - ▣ ROOF HATCH



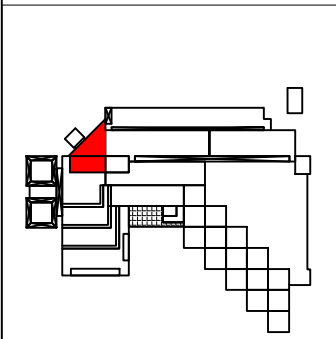
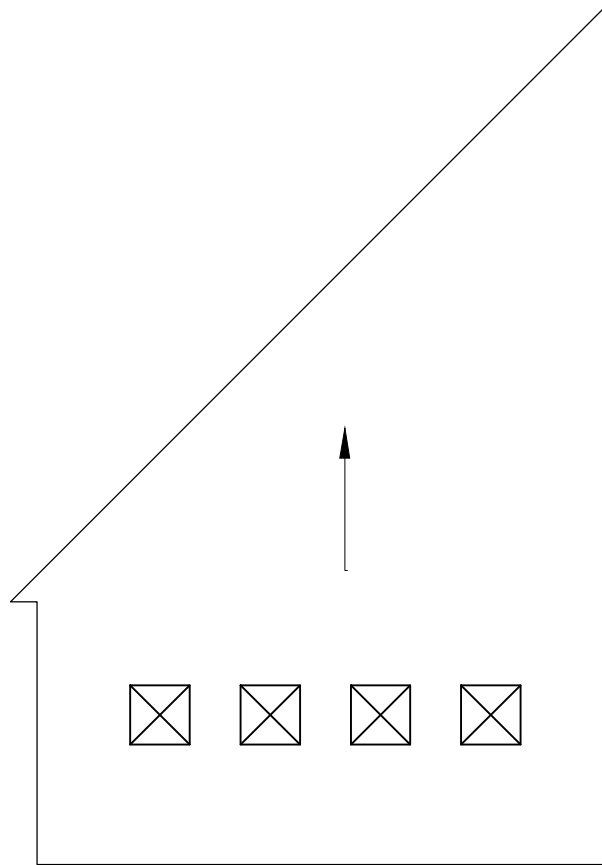
Roof Corrective Action



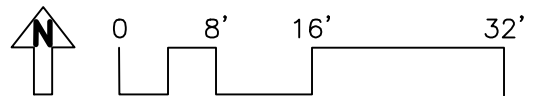
SYMBOLS KEY
□ ROOF CURB
● ROOF DRAIN



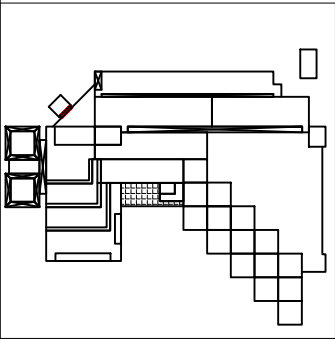
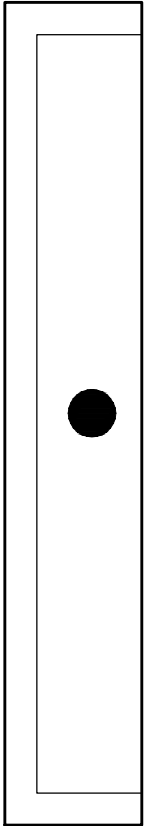
Roof Corrective Action



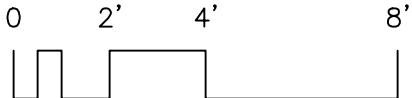
SYMBOLS KEY
→ SLOPE DIRECTION
☒ SKYLIGHT



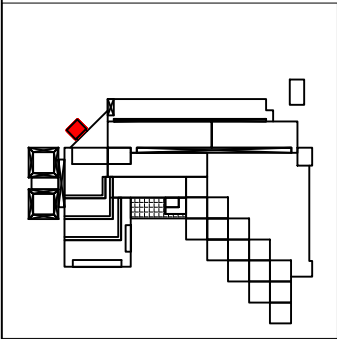
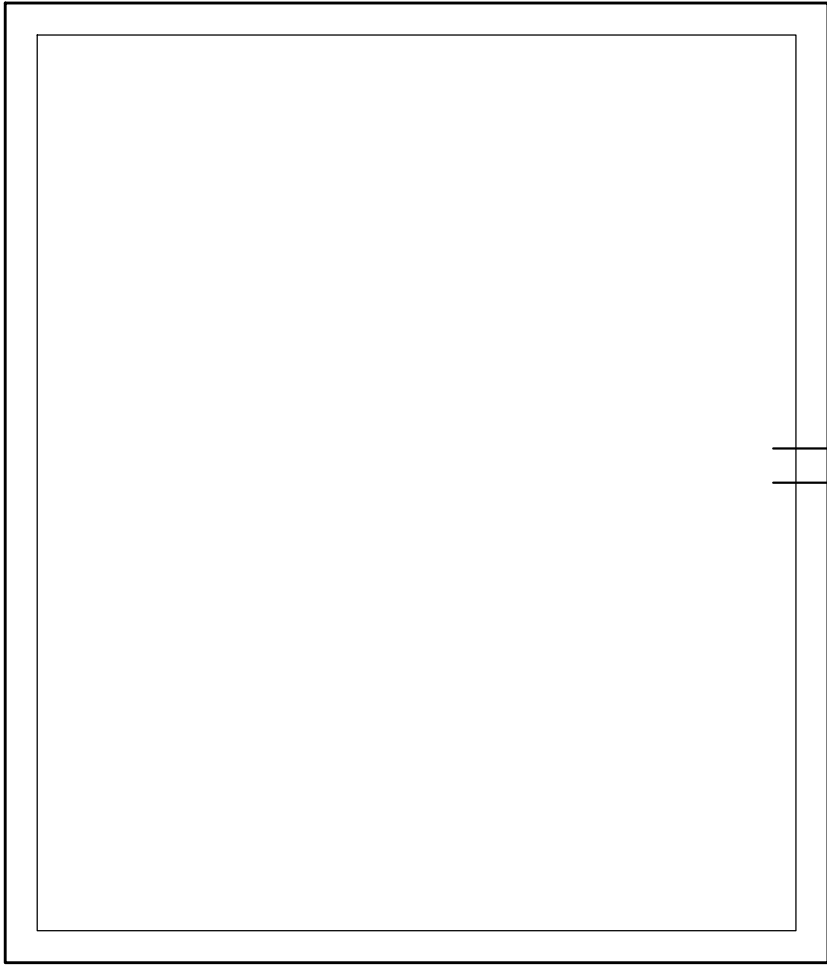
Roof Corrective Action



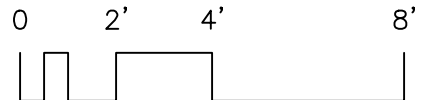
SYMBOLS KEY
● ROOF DRAIN



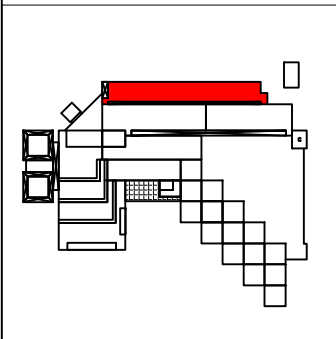
Roof Corrective Action



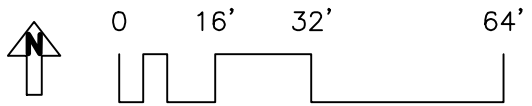
SYMBOLS KEY
|| SCUPPER



Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - || SCUPPER
 - ⊠ SKYLIGHT
 - ◻ ROOF HATCH



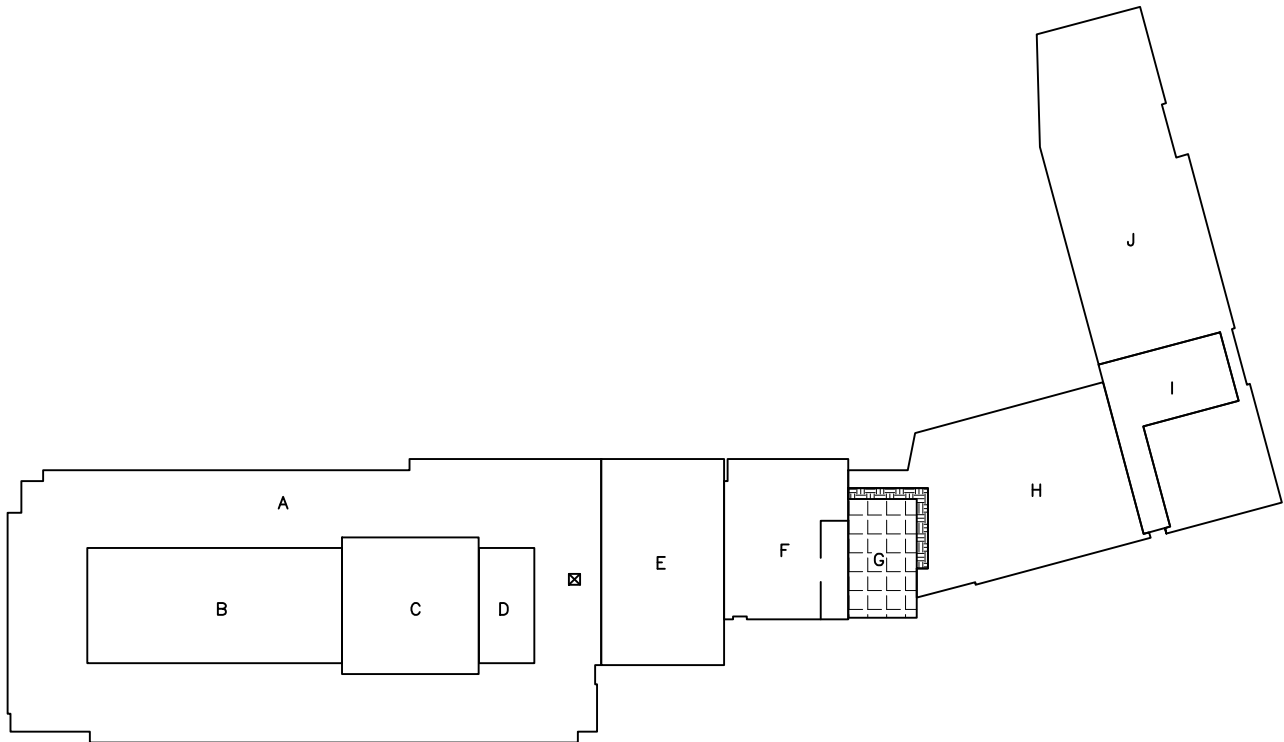
Roof ID

Building: 01.215 - Ferguson Hall - (2106 4th Street South)

Roof Access: A=north stair; B-D=through control room, E-F ladders, G-J=Plaza or second floor south Mechanical

Total SF: 43,419 sf

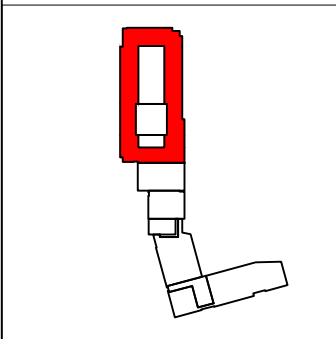
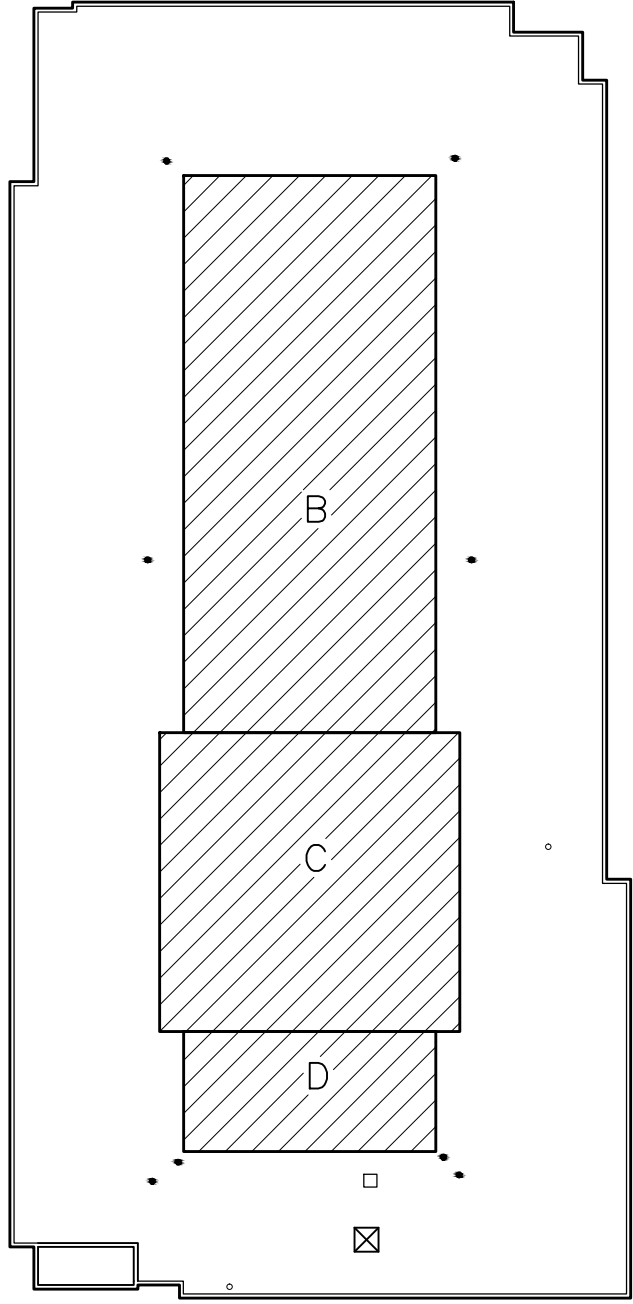
A:	15,269 sf	J:	7,585 sf
B:	3,906 sf		
C:	2,500 sf		
D:	840 sf		
E:	3,375 sf		
F:	2,569 sf		
G:	1,085 sf		
H:	4,687 sf		
I:	1,576 sf		



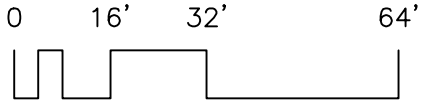
SYMBOLS KEY	
■	GREEN ROOF
▣	PLAZA
- - -	ROOF BELOW
⊗	SKYLIGHT



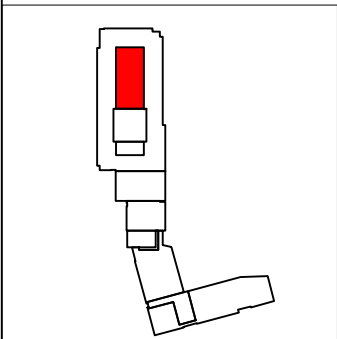
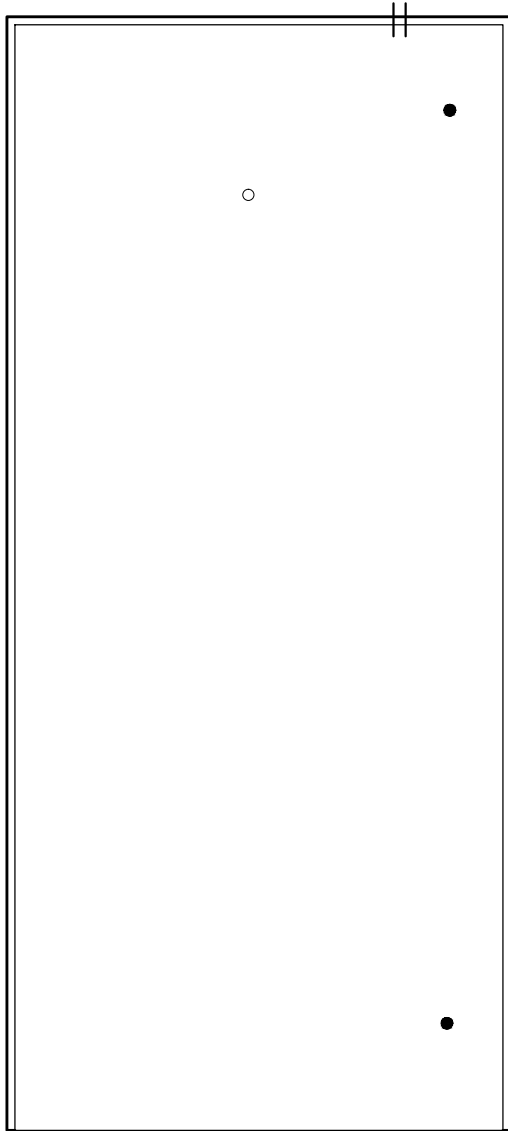
Roof Corrective Action



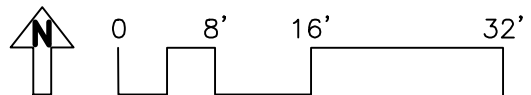
- SYMBOLS KEY**
- ROOF DRAIN
 - ROOF CURB
 - ⊠ SKYLIGHT
 - VENT



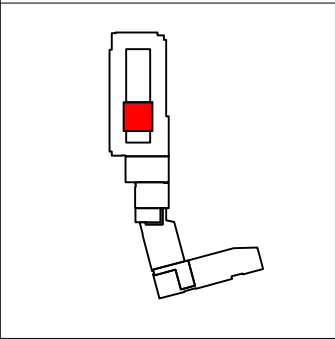
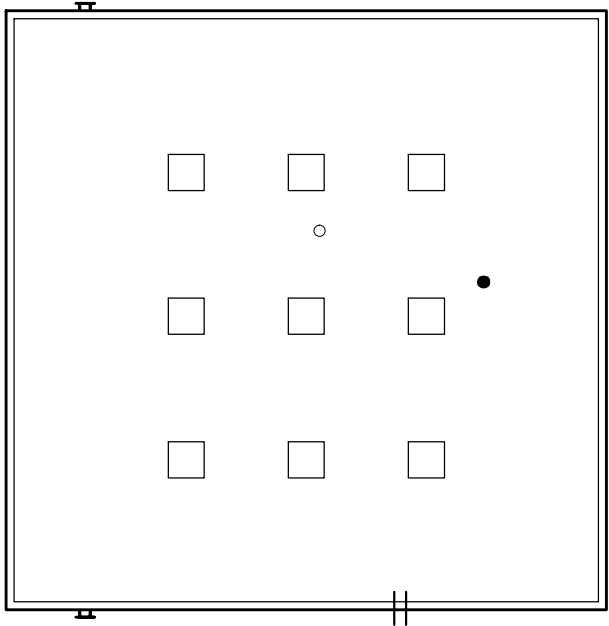
Roof Corrective Action



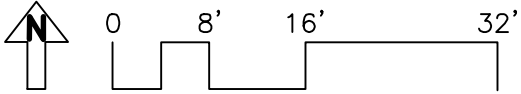
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



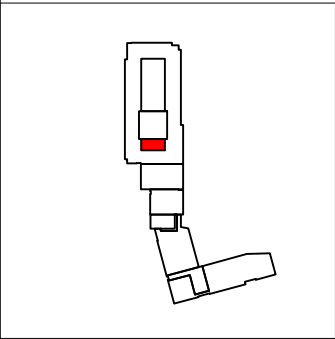
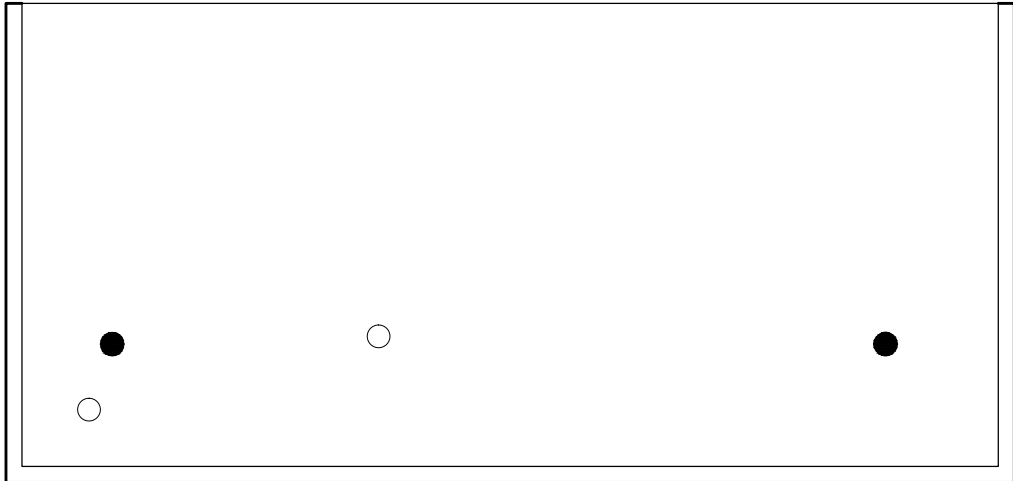
Roof Corrective Action



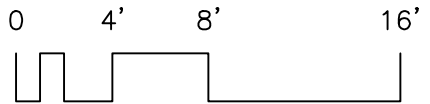
SYMBOLS KEY	
●	ROOF DRAIN
⊥	SCUPPER
○	VENT
□	ROOF CURB



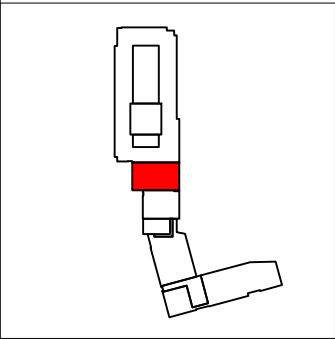
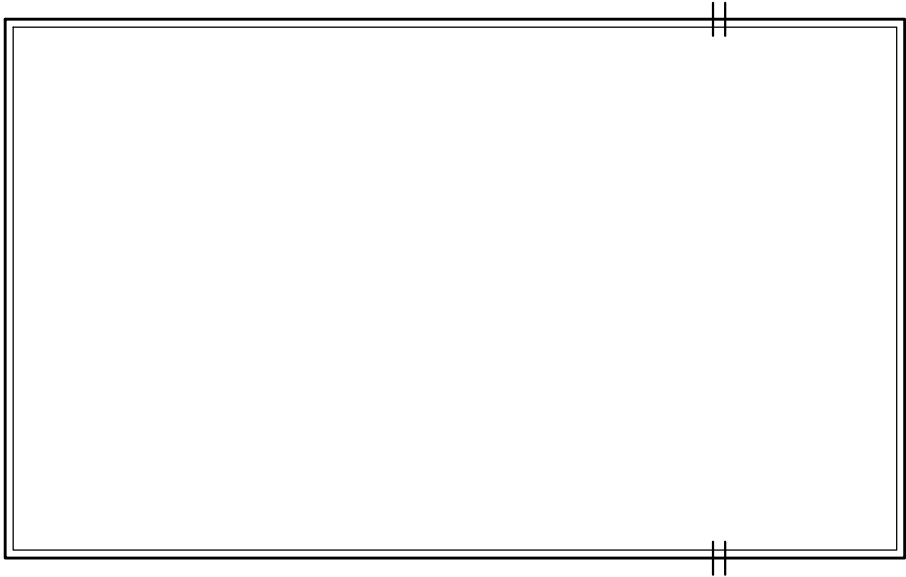
Roof Corrective Action



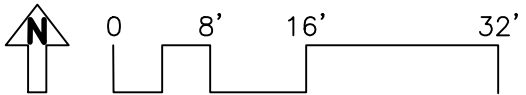
SYMBOLS KEY
● ROOF DRAIN
○ VENT



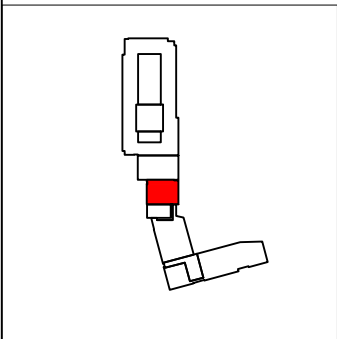
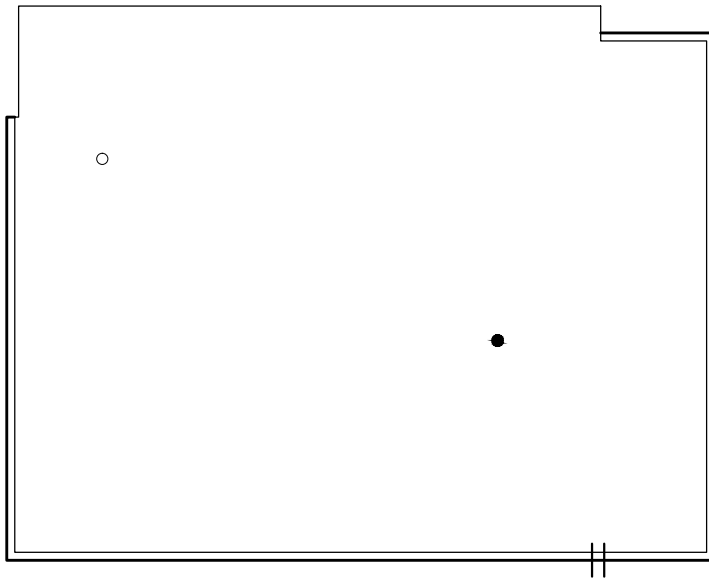
Roof Corrective Action



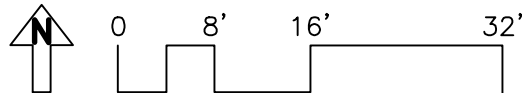
SYMBOLS KEY
|| SCUPPER



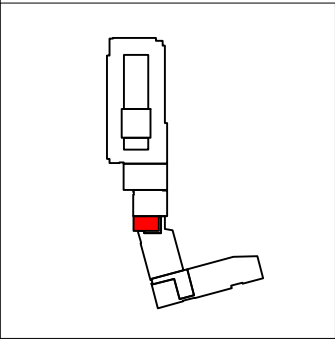
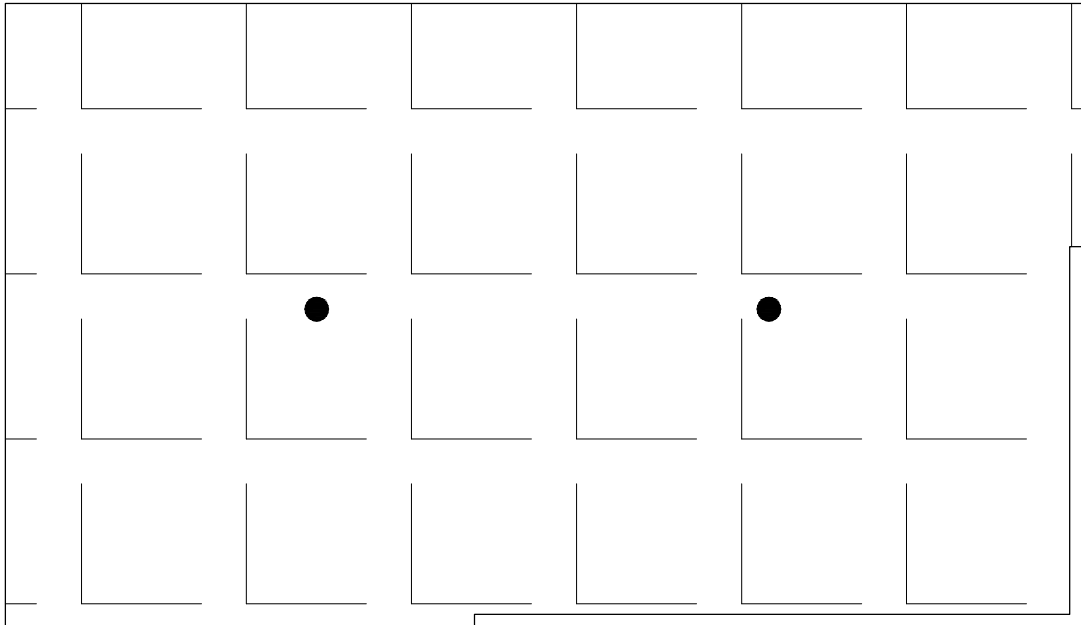
Roof Corrective Action



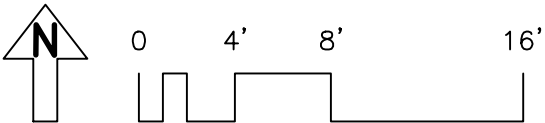
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



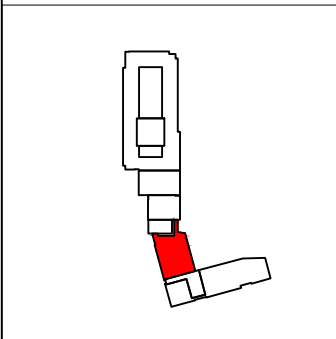
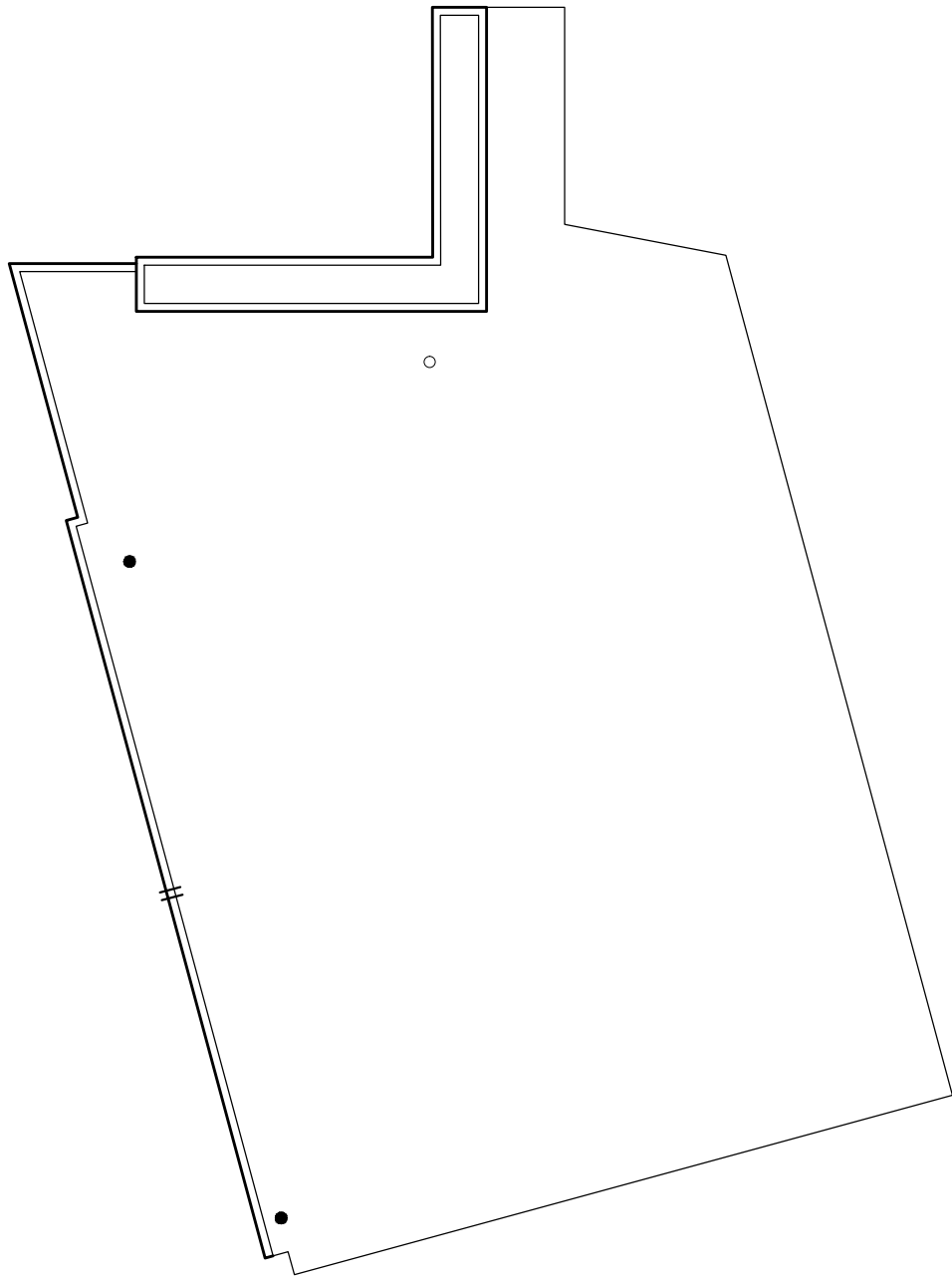
Roof Corrective Action



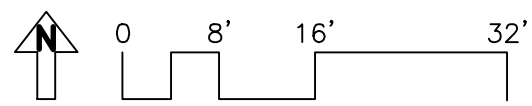
SYMBOLS KEY
● ROOF DRAIN
■ PLAZA



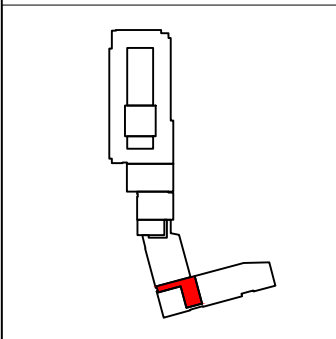
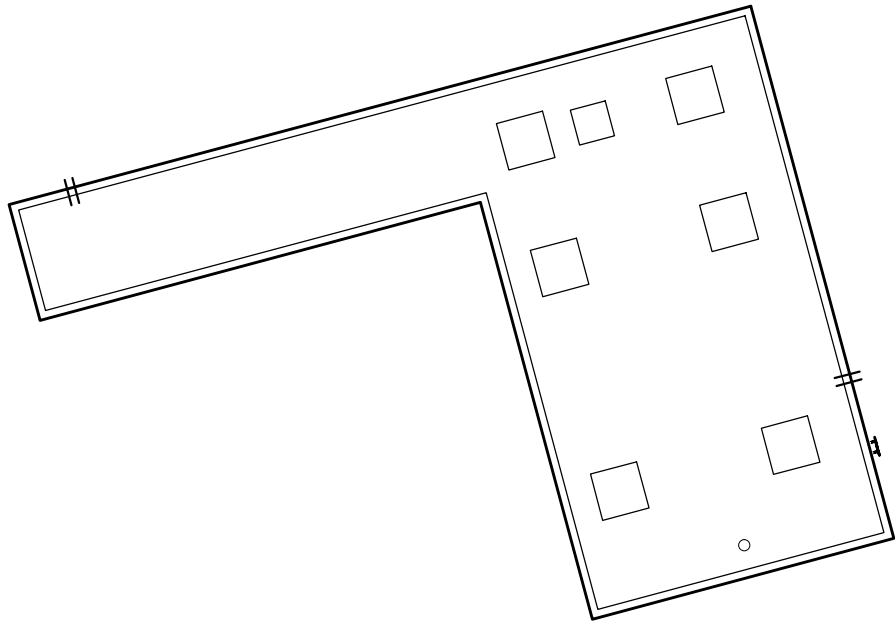
Roof Corrective Action



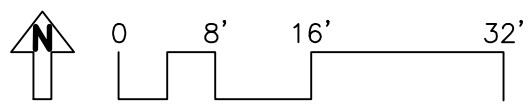
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



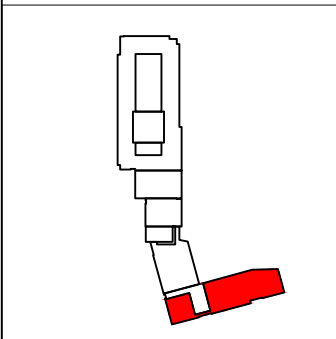
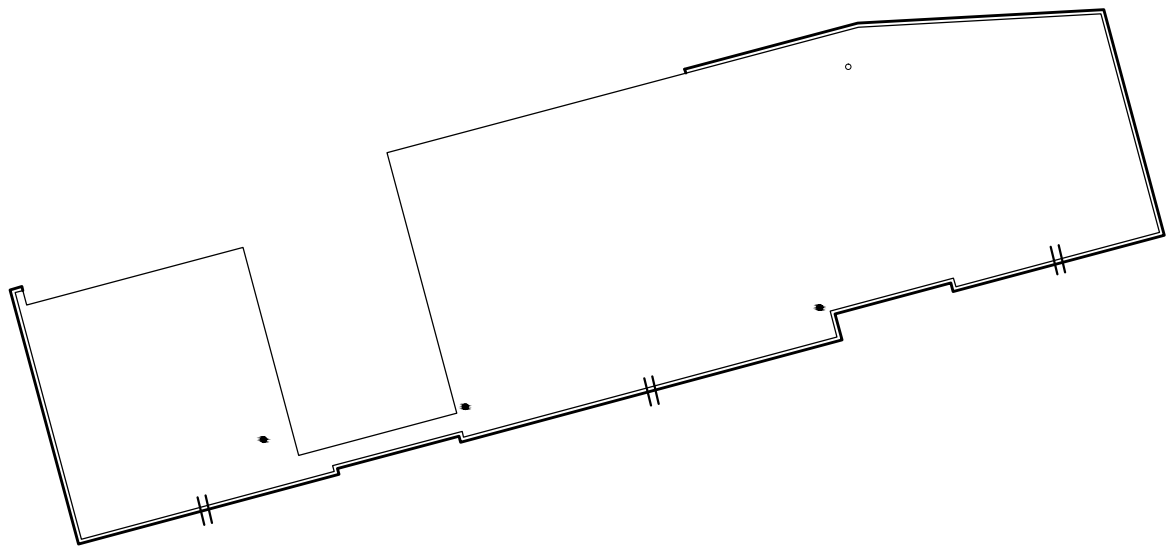
Roof Corrective Action



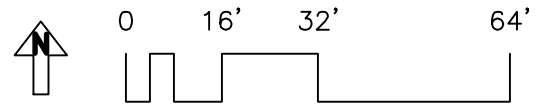
SYMBOLS KEY	
≡	SCUPPER
□	ROOF CURB
○	VENT



Roof Corrective Action



SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



Roof ID

Building: WB216 - Humphrey Center - (301 19th Avenue S Minneapolis)

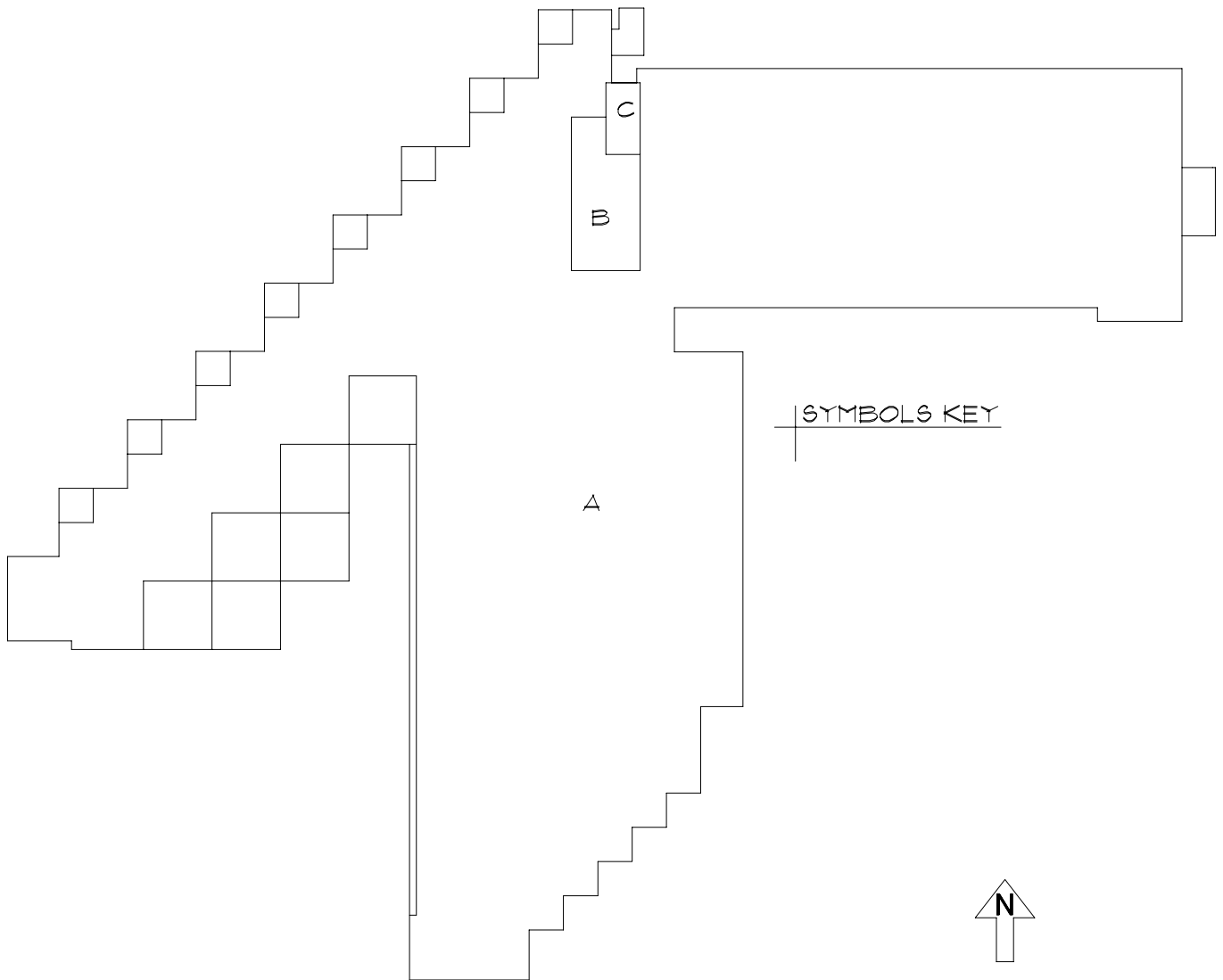
Roof Access: 3rd floor, north stairwell up 1 flight to roof B (E2 key); around a/c unit to roof A (E1 key)

Total Area: 36,436 sf

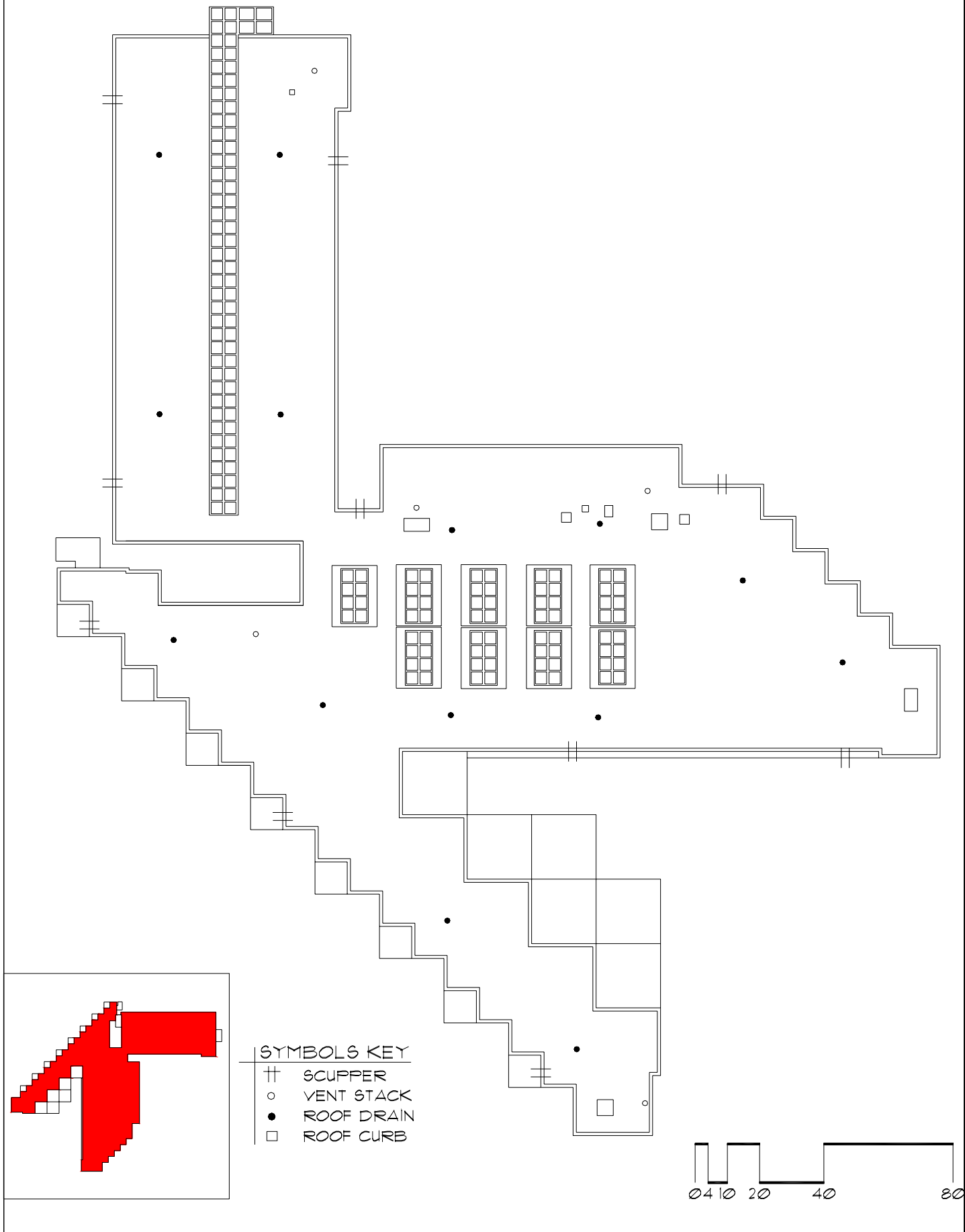
A **35,436** sf

B **790** sf

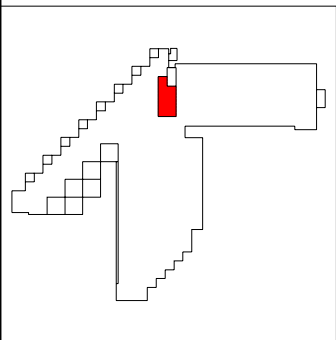
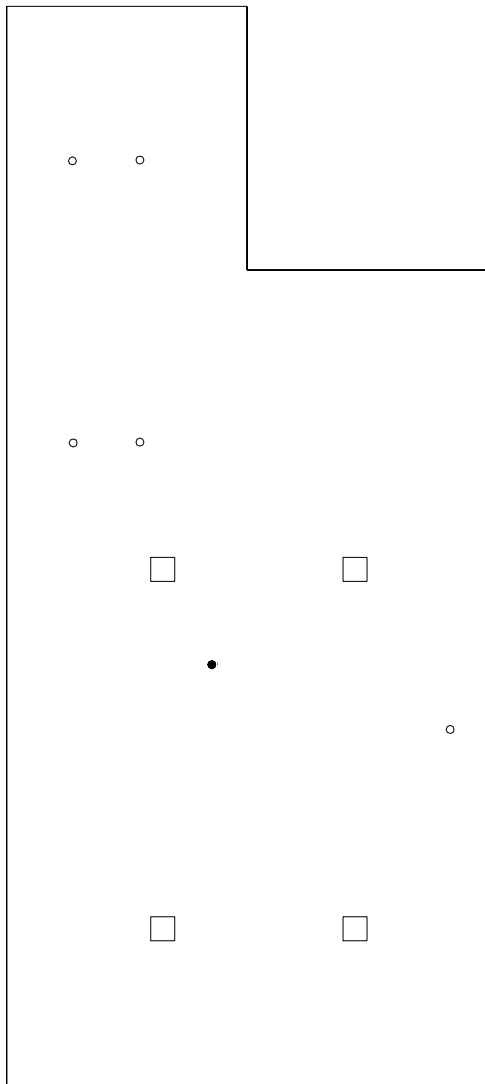
C **210** sf



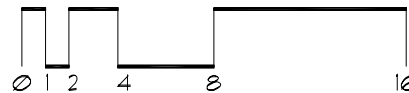
Roof Corrective Action



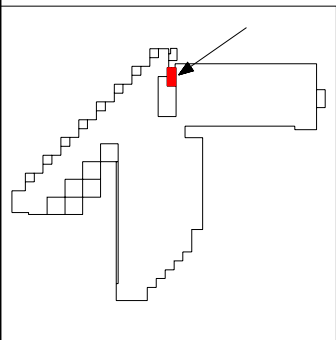
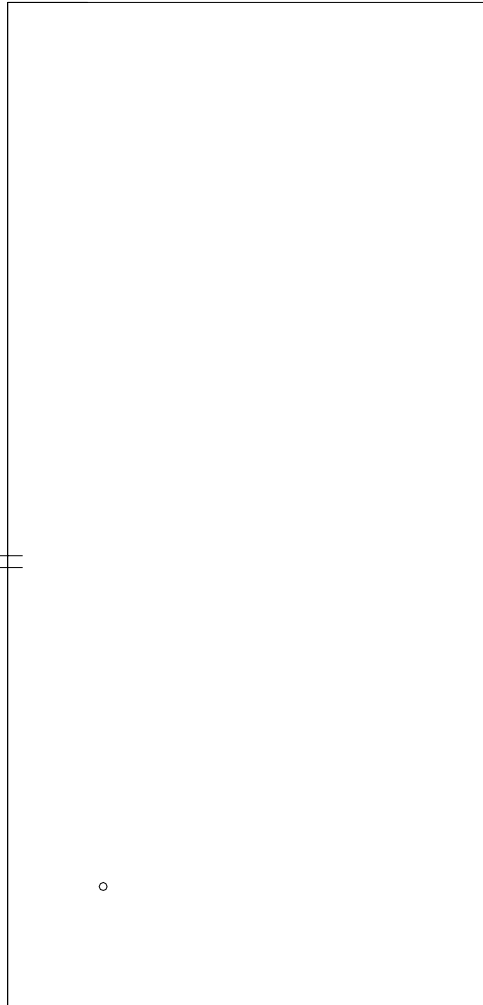
Roof Corrective Action



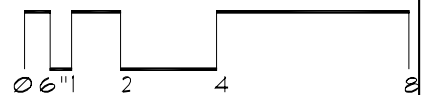
- SYMBOLS KEY**
- VENT STACK
 - ROOF DRAIN
 - ROOF CURB



Roof Corrective Action



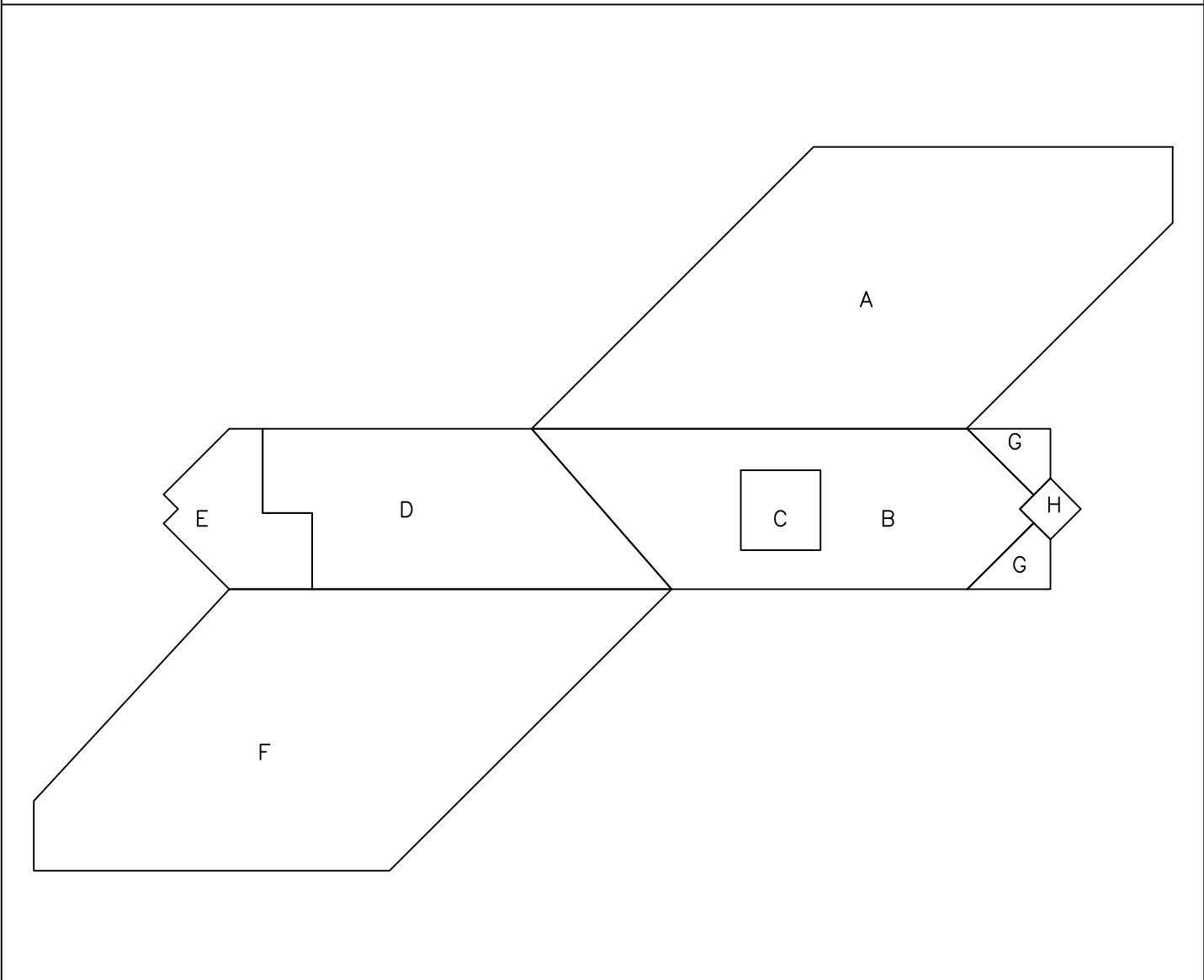
SYMBOLS KEY	
†	SCUPPER
○	VENT STACK
①	DEFECT-NO REPAIR



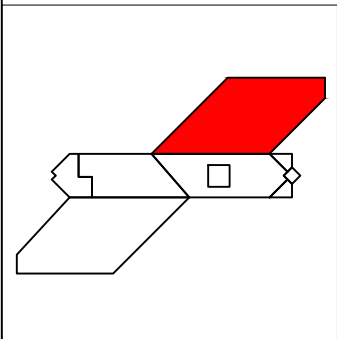
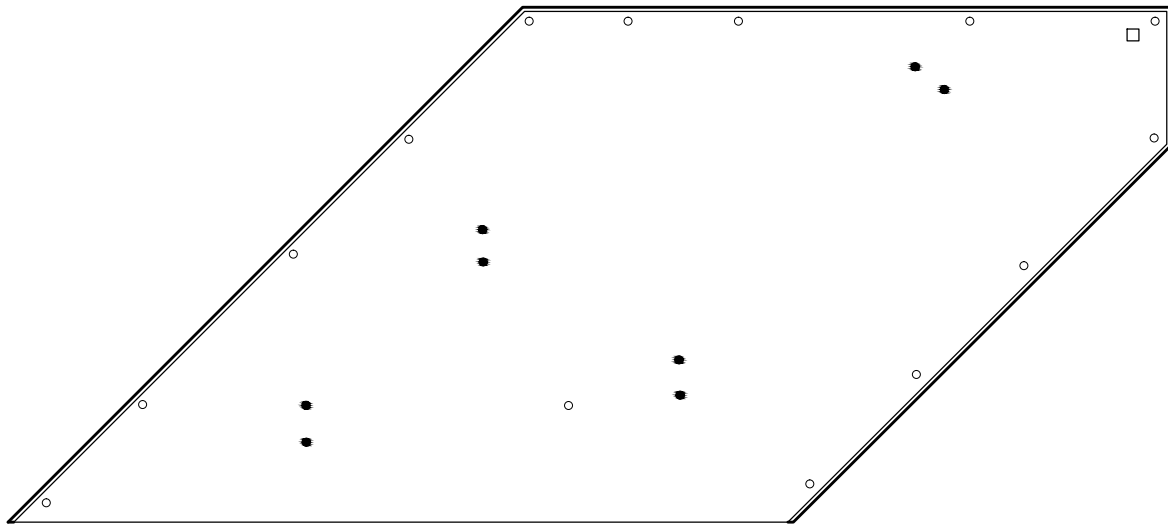
Roof ID

Building: 01.218 - West Bank Office Bldg - (1300 2nd Street, South)
Roof Access: Access Doors on 7th Floor (e1) , Ladders, Ships Ladders
Total SF: 34,229 sf

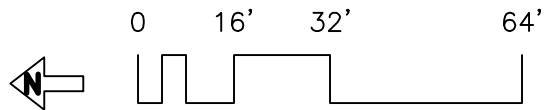
A:	10,851 sf
B:	5,296 sf
C:	576 sf
D:	4,589 sf
E:	1,373 sf
F:	10,800 sf
G:	575 sf
H:	169 sf



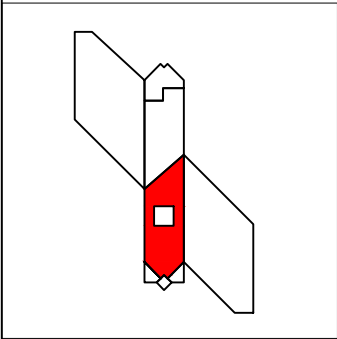
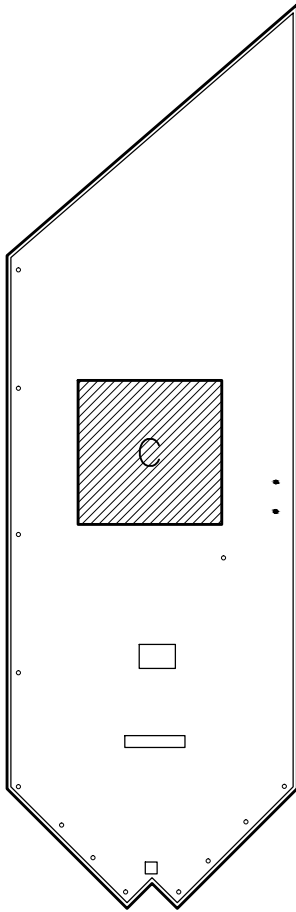
Roof Corrective Action



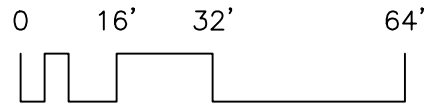
SYMBOLS KEY	
●	ROOF DRAIN
□	ROOF CURB
○	VENT



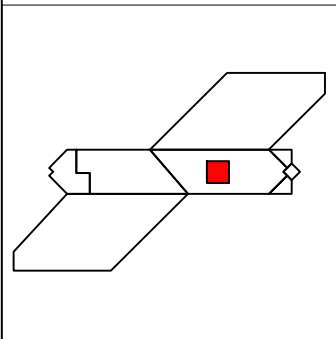
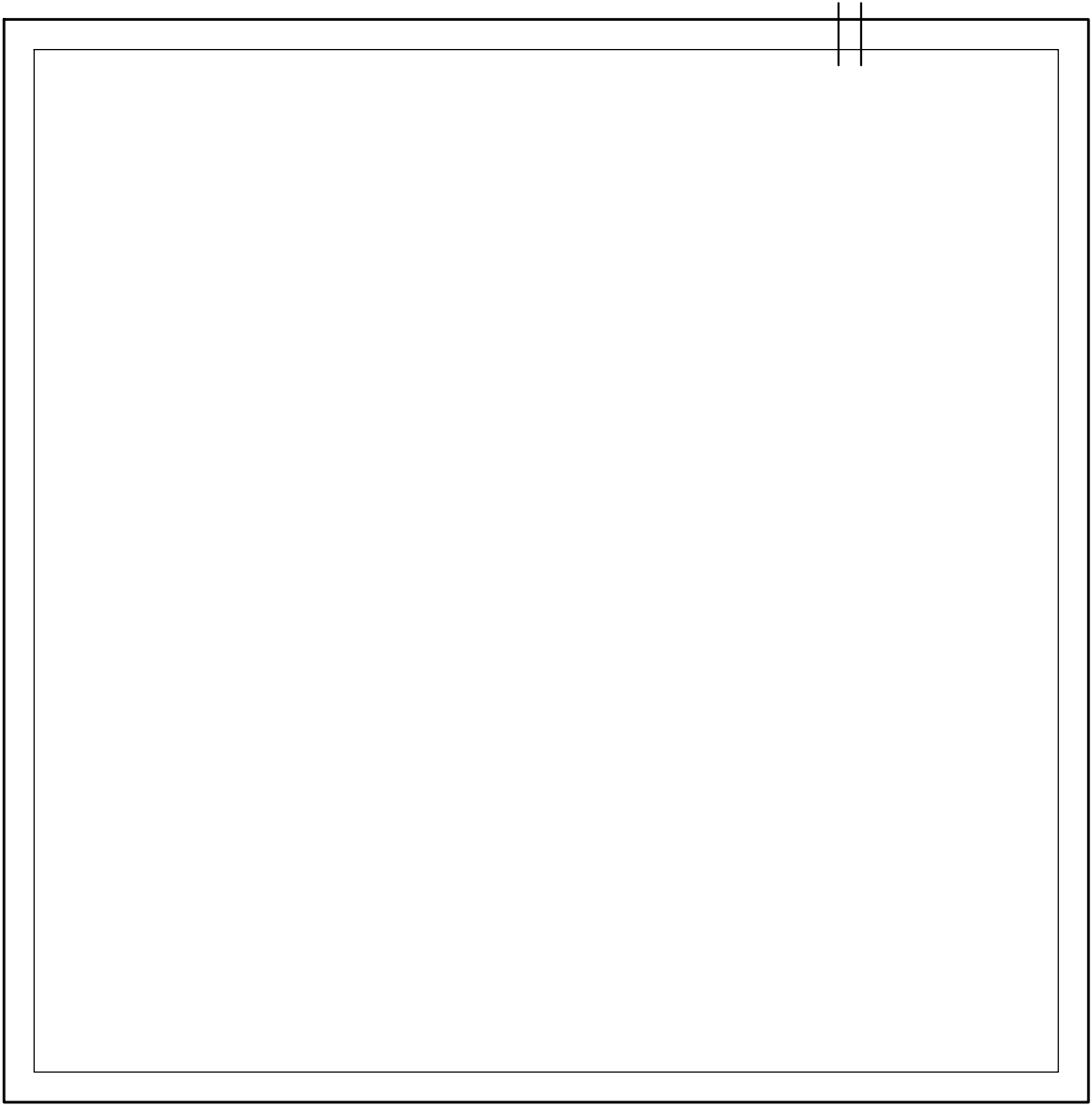
Roof Corrective Action



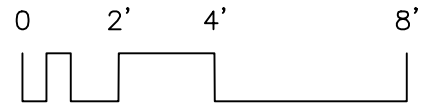
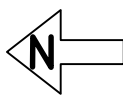
SYMBOLS KEY	
●	ROOF DRAIN
□	ROOF CURB
○	VENT



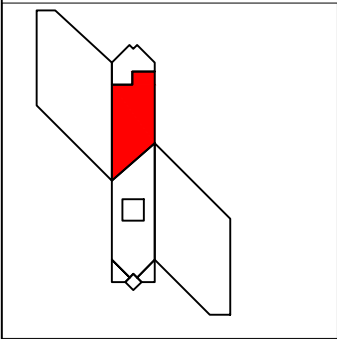
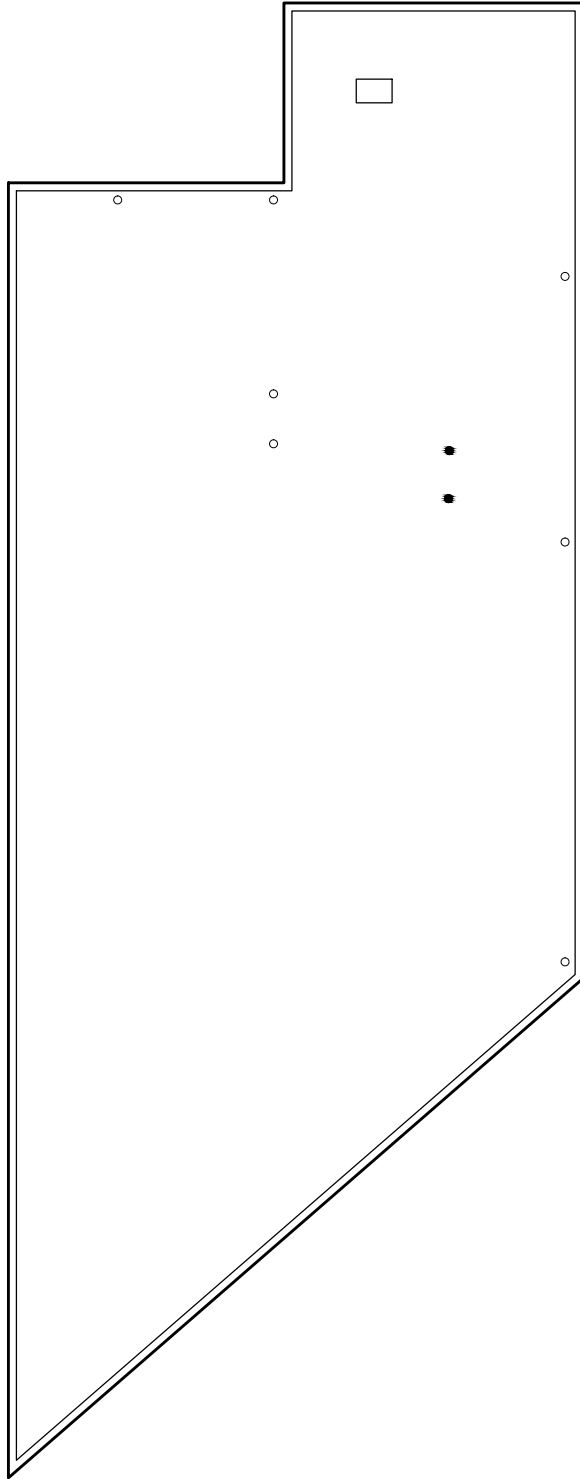
Roof Corrective Action



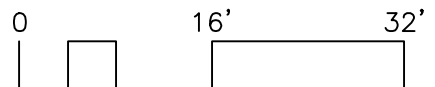
SYMBOLS KEY
|| SCUPPER



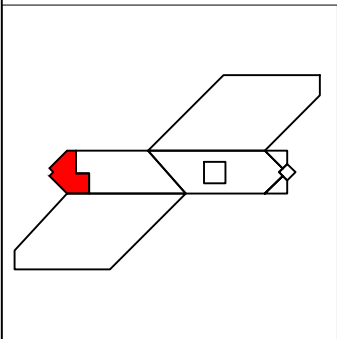
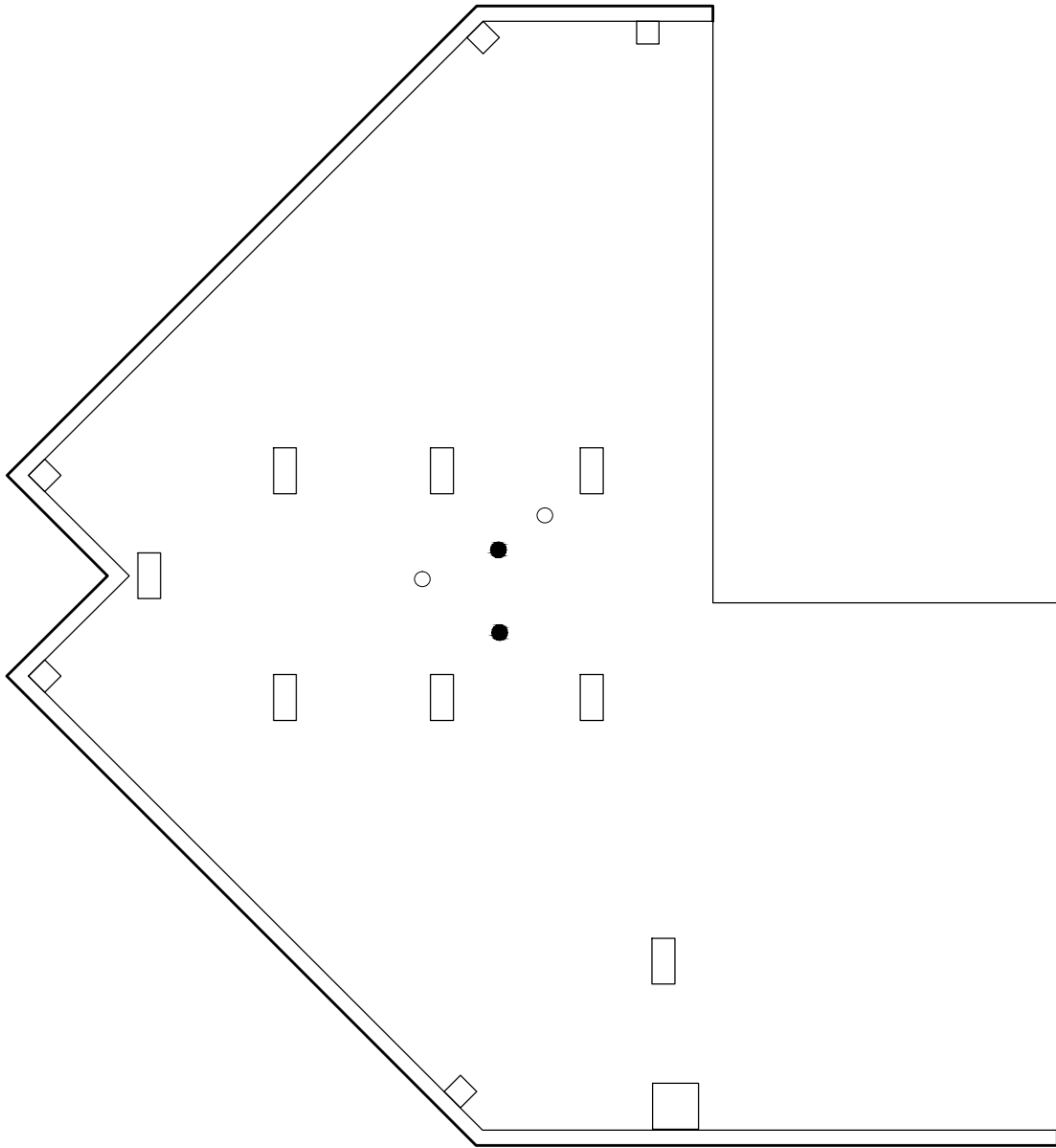
Roof Corrective Action



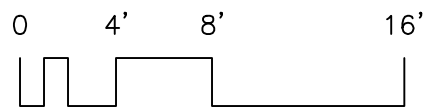
- SYMBOLS KEY**
- ROOF DRAIN
 - ROOF CURB
 - VENT



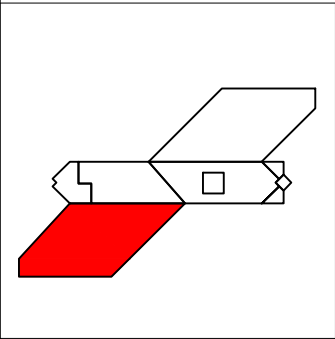
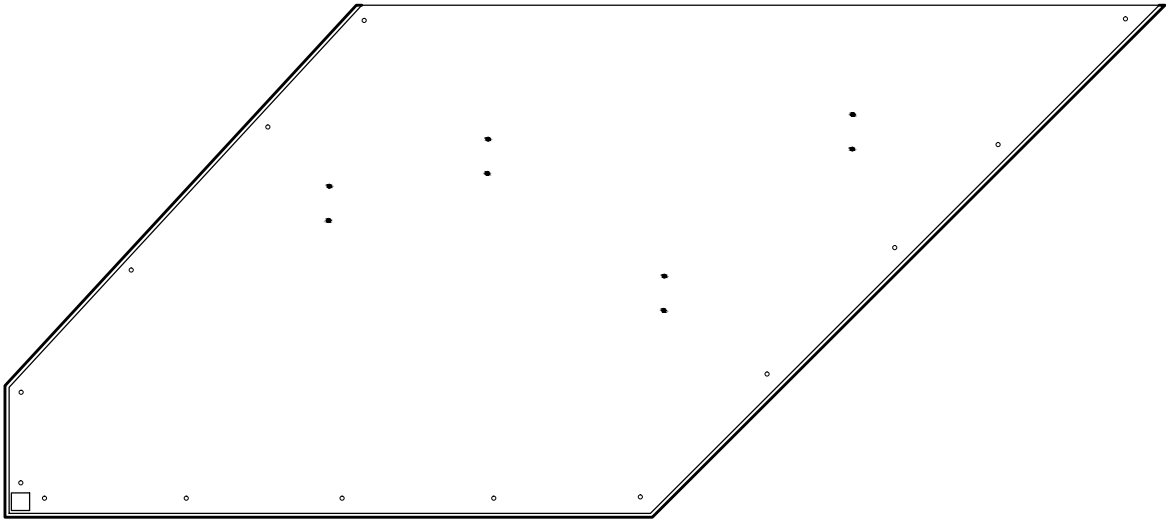
Roof Corrective Action



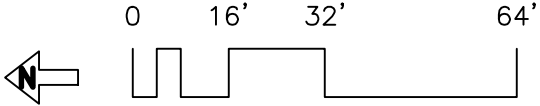
SYMBOLS KEY	
●	ROOF DRAIN
□	ROOF CURB
○	VENT



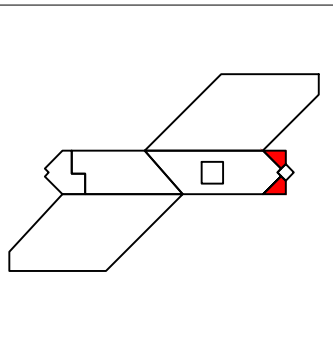
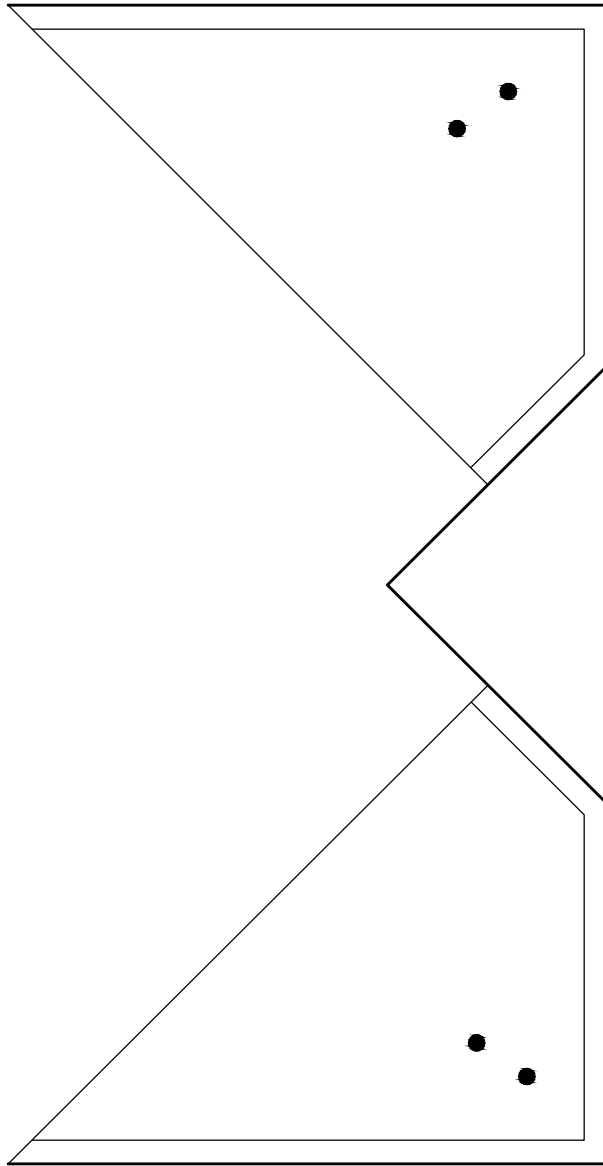
Roof Corrective Action



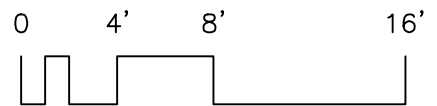
SYMBOLS KEY	
●	ROOF DRAIN
□	ROOF CURB
○	VENT



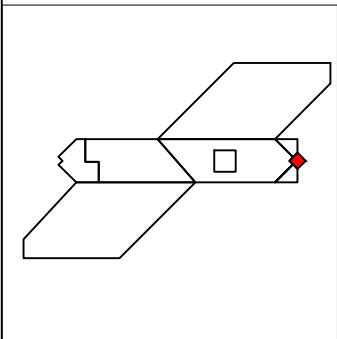
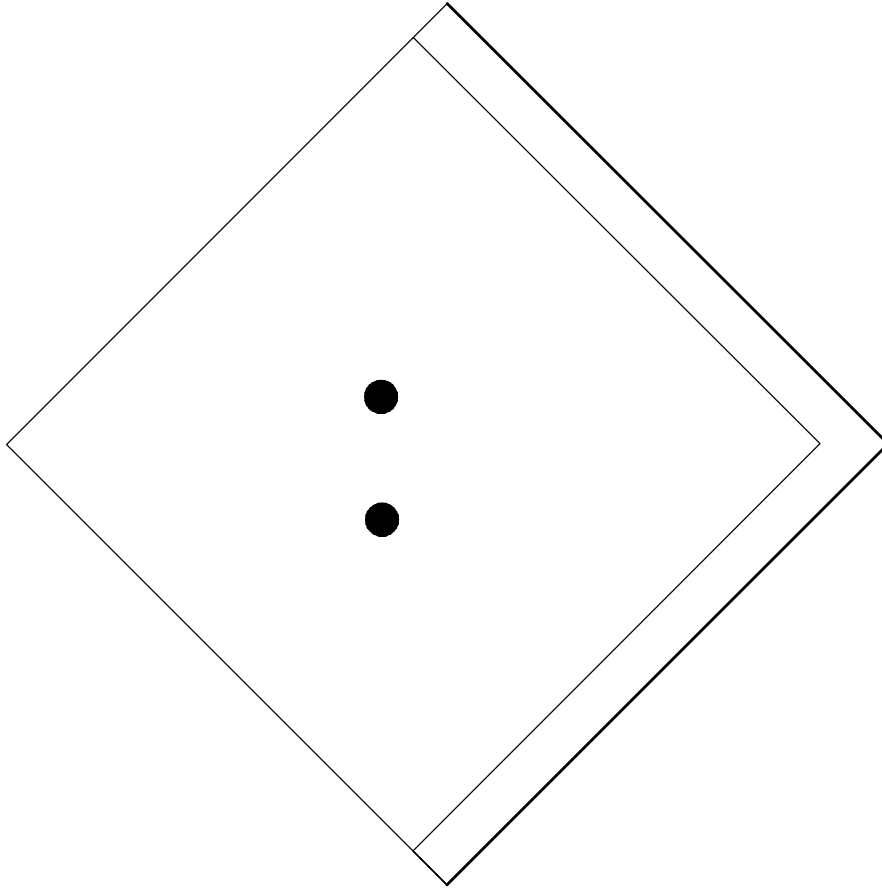
Roof Corrective Action



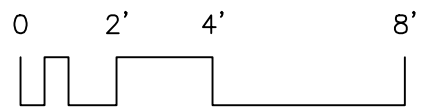
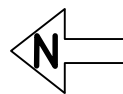
SYMBOLS KEY
● ROOF DRAIN



Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN



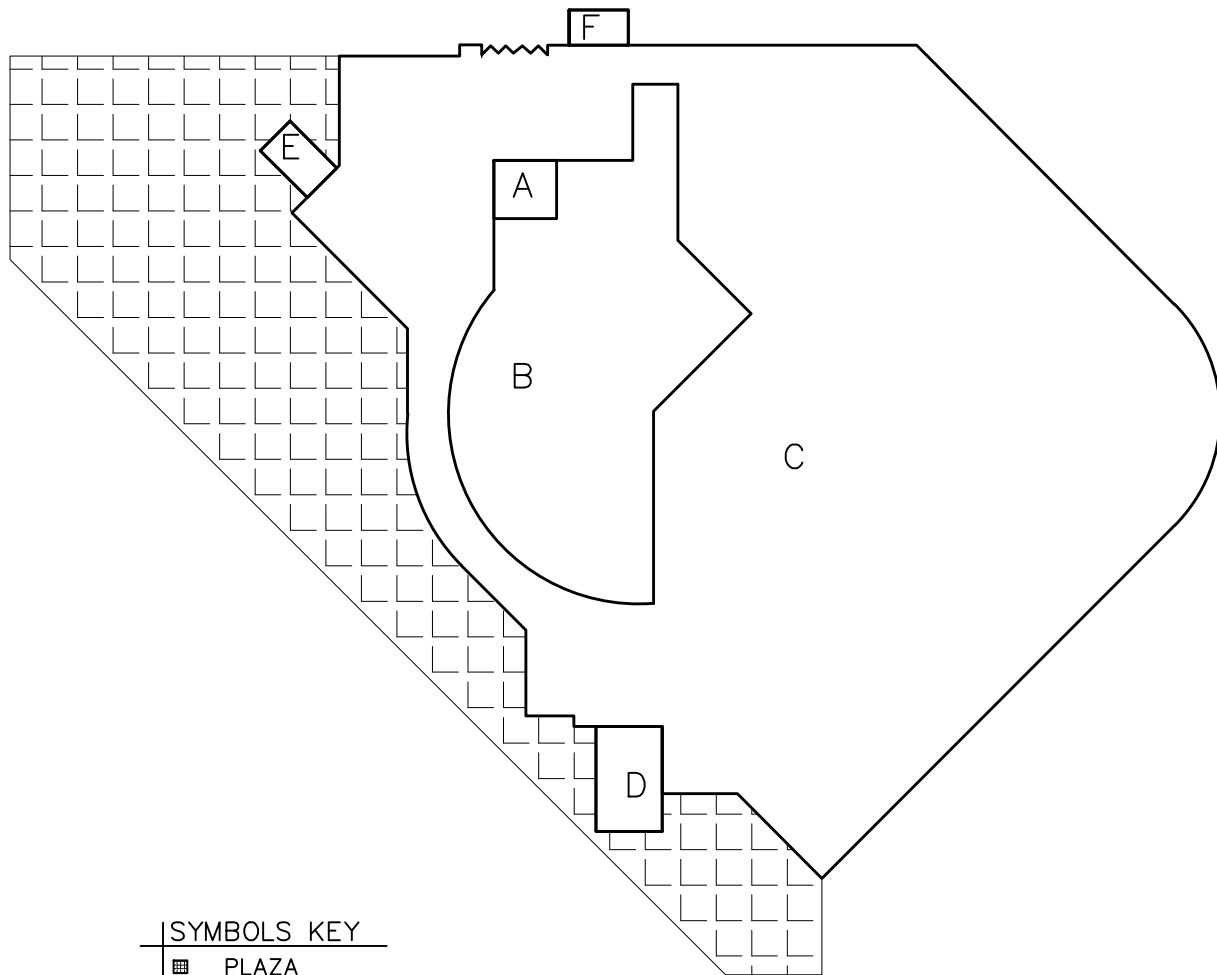
Roof ID

Building: 01.220 - Anderson Library - (222 21st Avenue South)

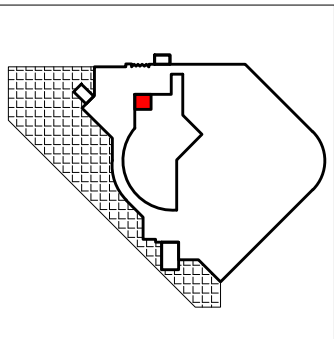
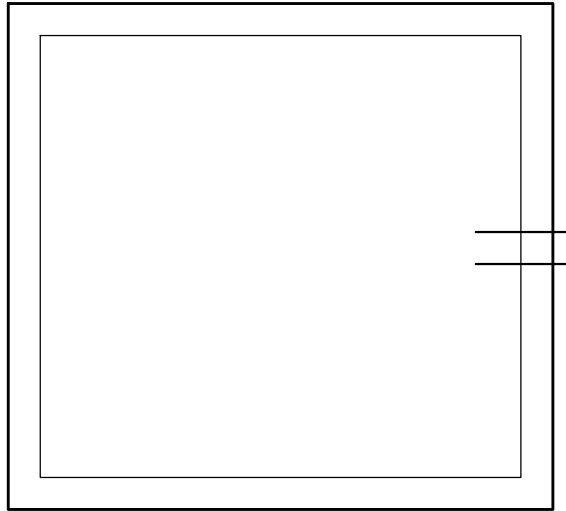
Roof Access: Penthouse roof hatch to A-B, Access door for C, Ladders for D-F

Total SF: 16,828 sf

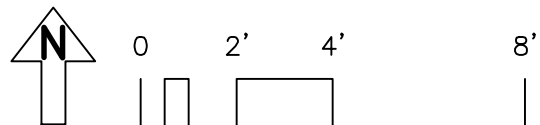
A:	120 sf
B:	2,950 sf
C:	13,375 sf
D:	226 sf
E:	90 sf
F:	67 sf



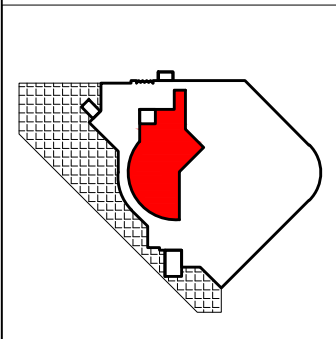
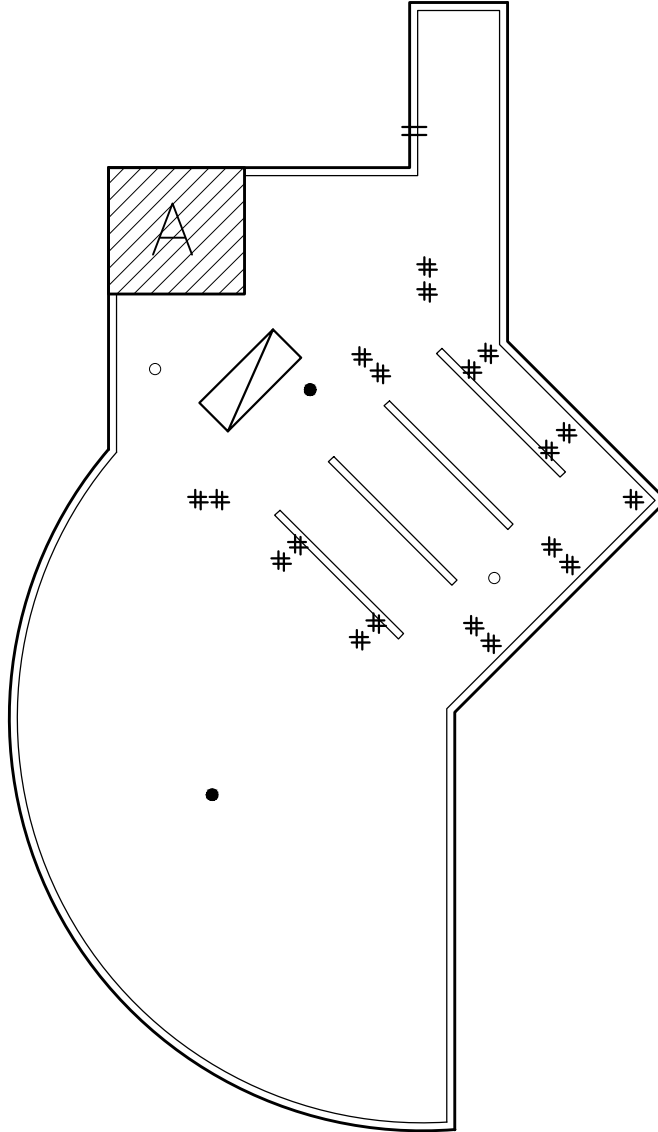
Roof Corrective Action



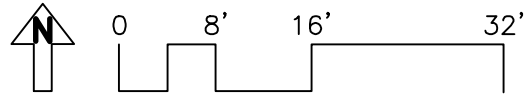
SYMBOLS KEY
|| SCUPPER



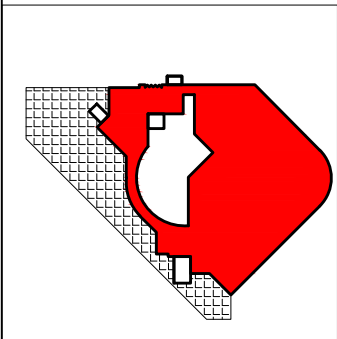
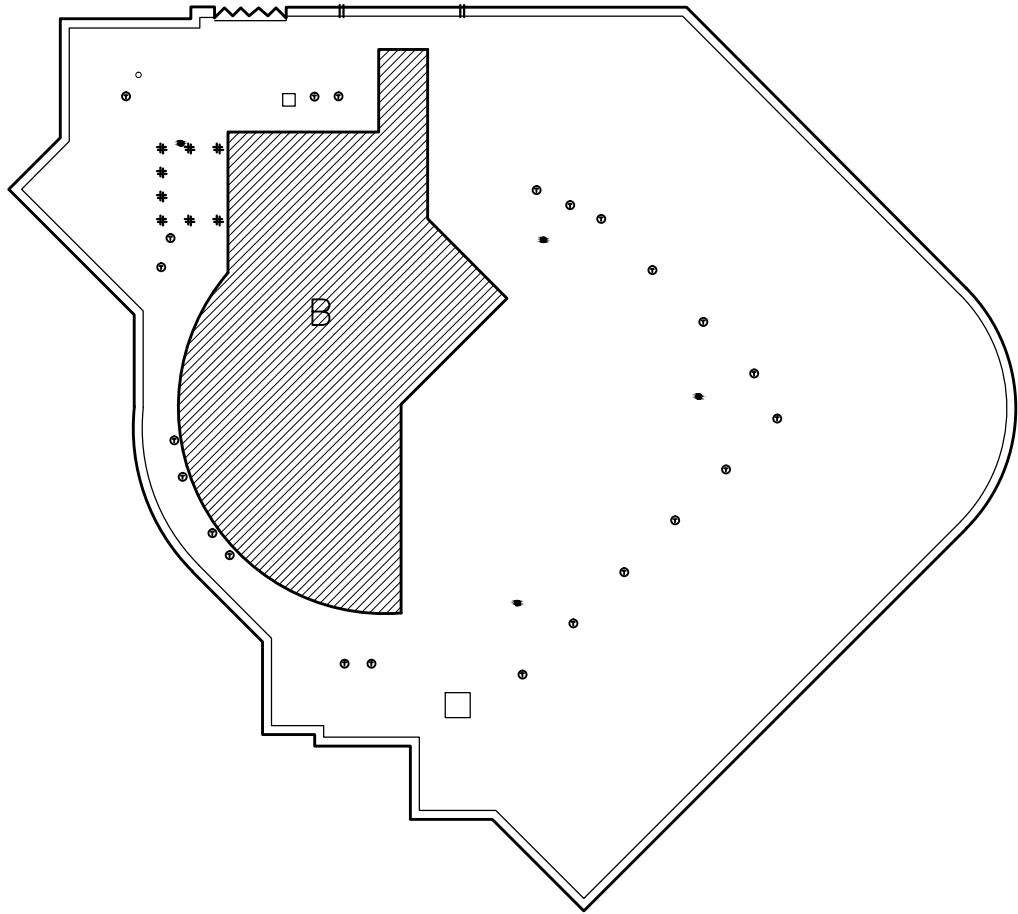
Roof Corrective Action



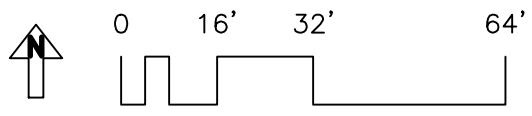
SYMBOLS KEY	
●	ROOF DRAIN
++	SCUPPER
□	ROOF CURB
#	PITCH PAN
○	VENT
▨	ROOF HATCH



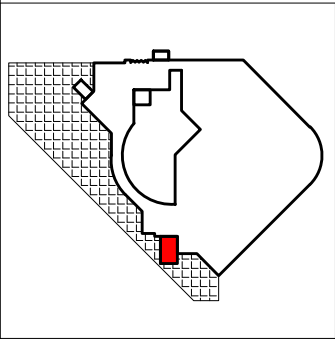
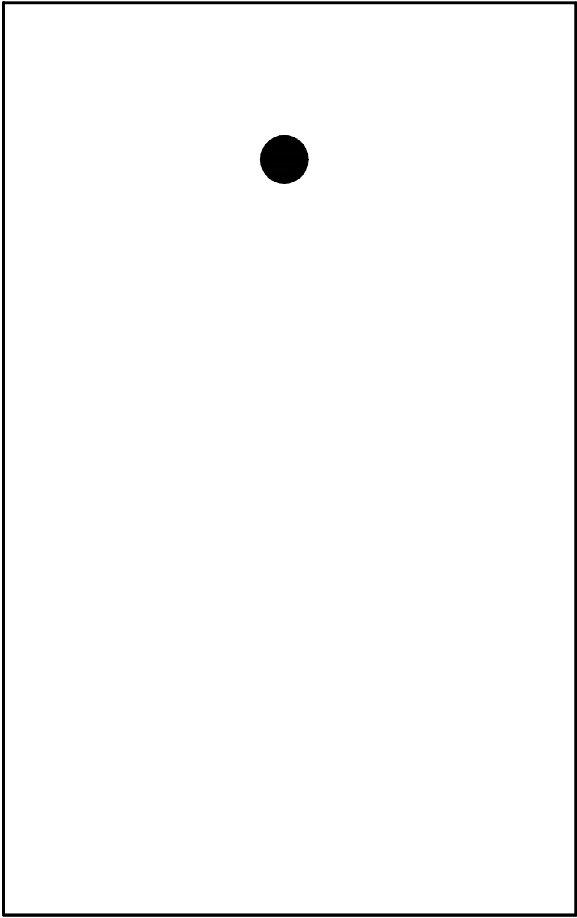
Roof Corrective Action



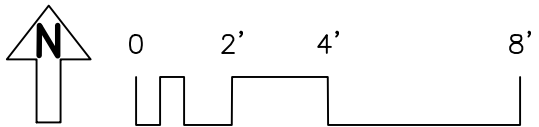
SYMBOLS KEY	
●	ROOF DRAIN
†	SCUPPER
○	VENT
□	ROOF CURB
#	PITCH PAN
⊙	ROOF ANCHOR



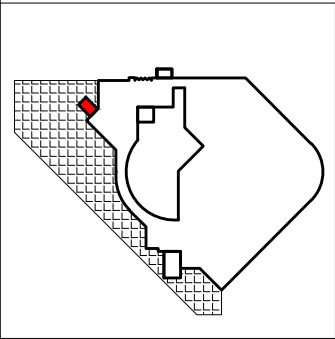
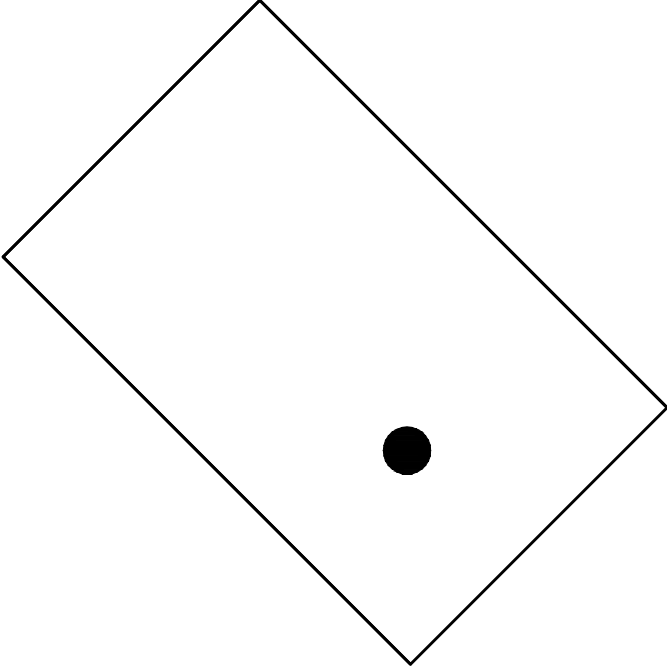
Roof Corrective Action



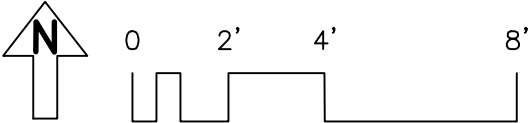
SYMBOLS KEY
● ROOF DRAIN



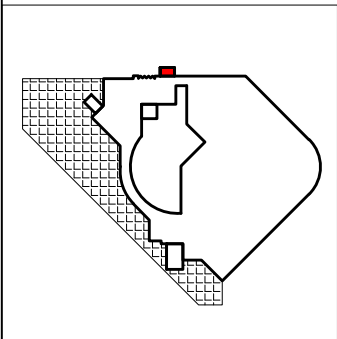
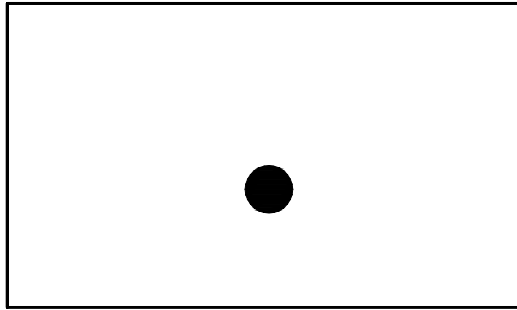
Roof Corrective Action



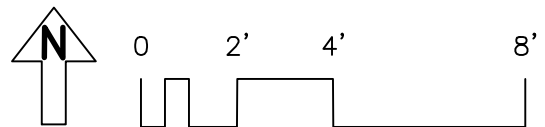
SYMBOLS KEY
● ROOF DRAIN



Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN

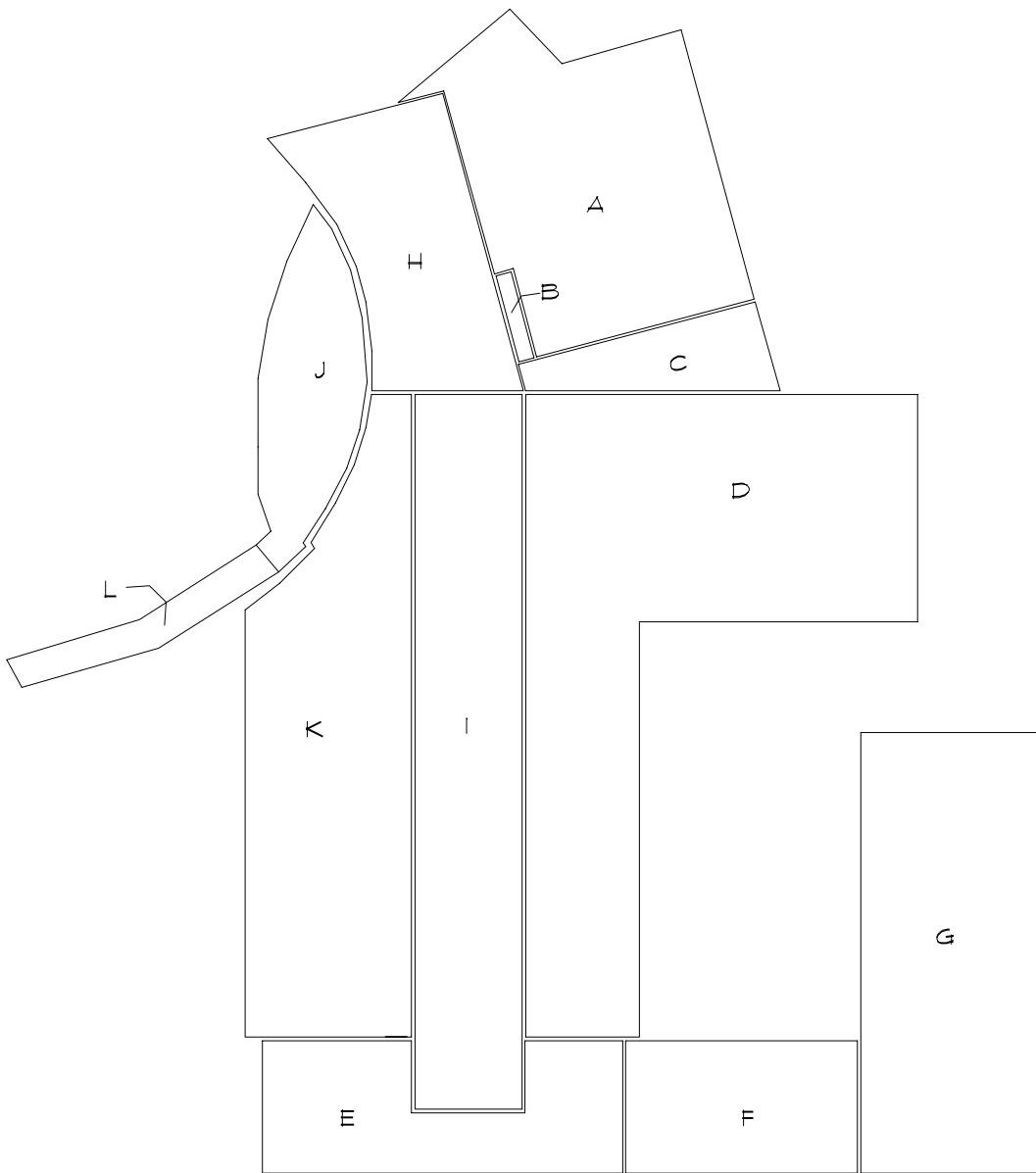


Roof ID

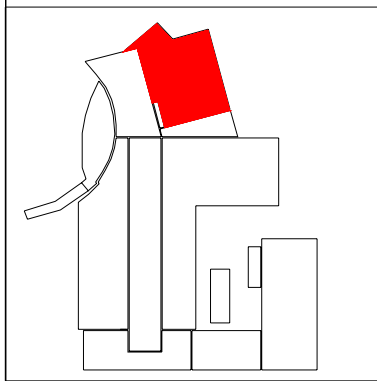
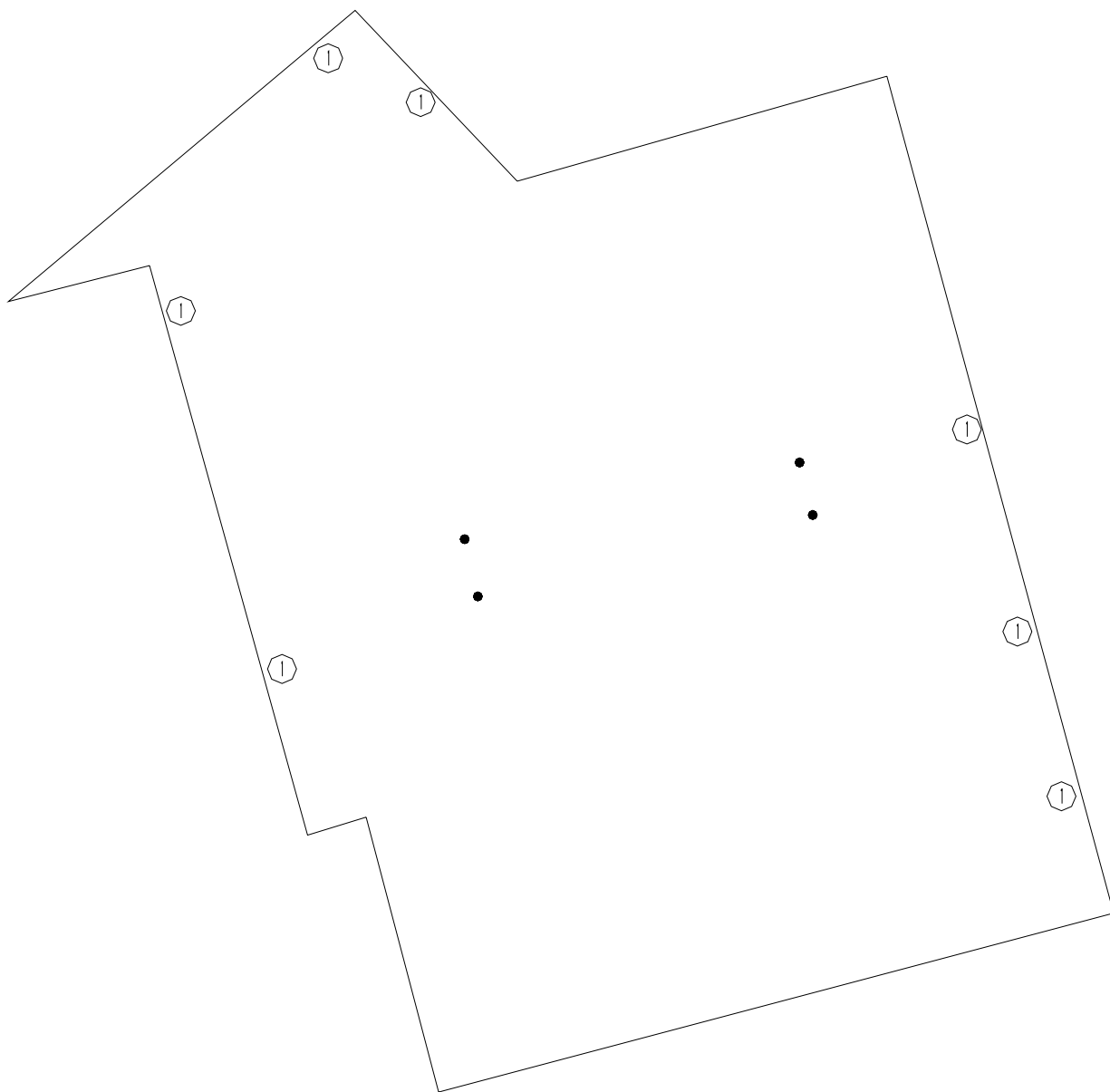
Building: WB241 - Regis-East - (389 S. 21st. Ave.)

Total Area: 50,773 sf

A	5,860	E	3,230	I	6,258
B	114	F	2,502	J	2,205
C	1,198	G	6,687	K	7,288
D	11,328	H	3,375	L	728



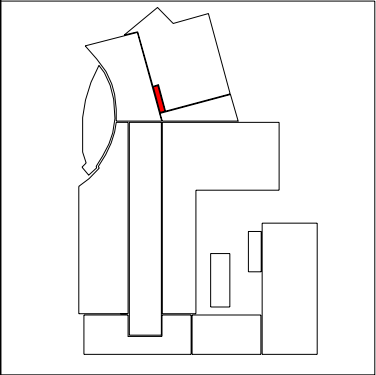
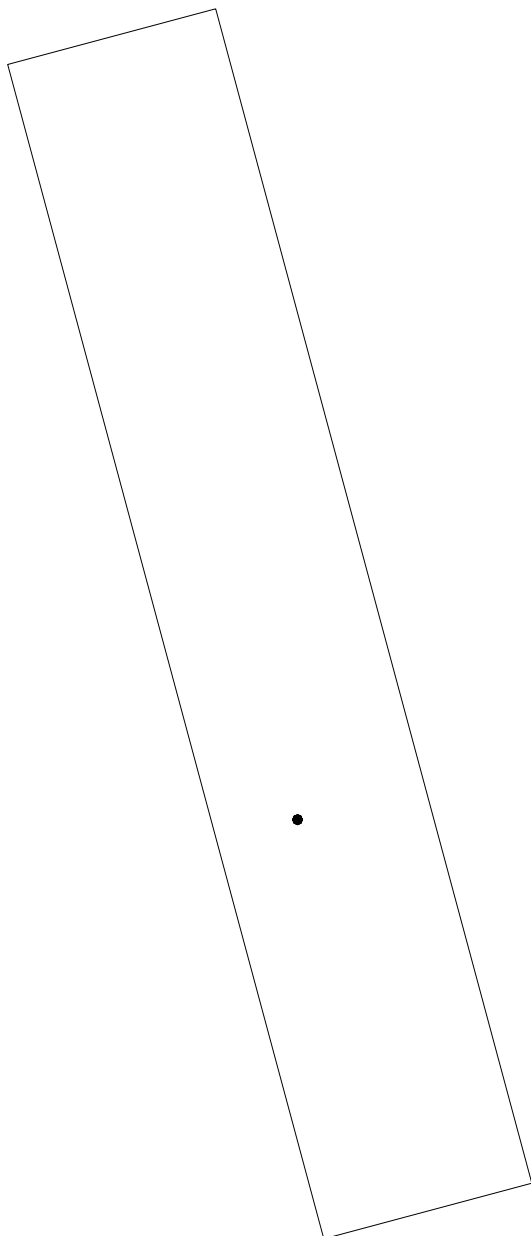
Roof Corrective Action



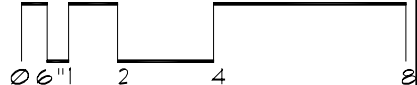
SYMBOLS KEY
● ROOF DRAIN
⓪ DEFECT-NO REPAIR



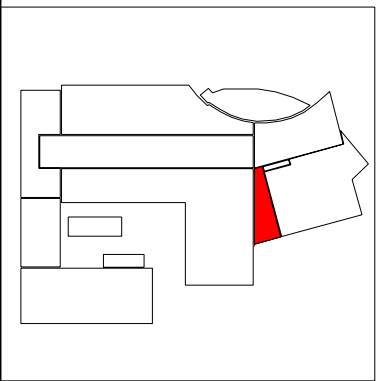
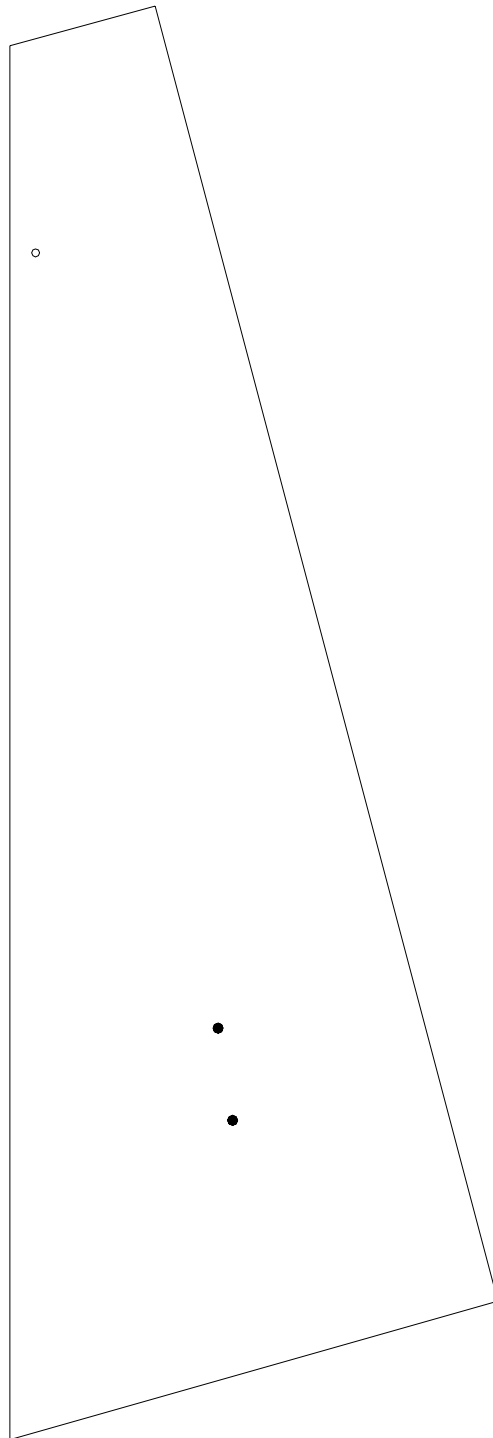
Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN

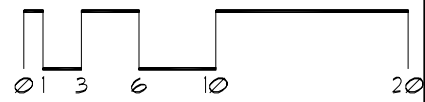


Roof Corrective Action

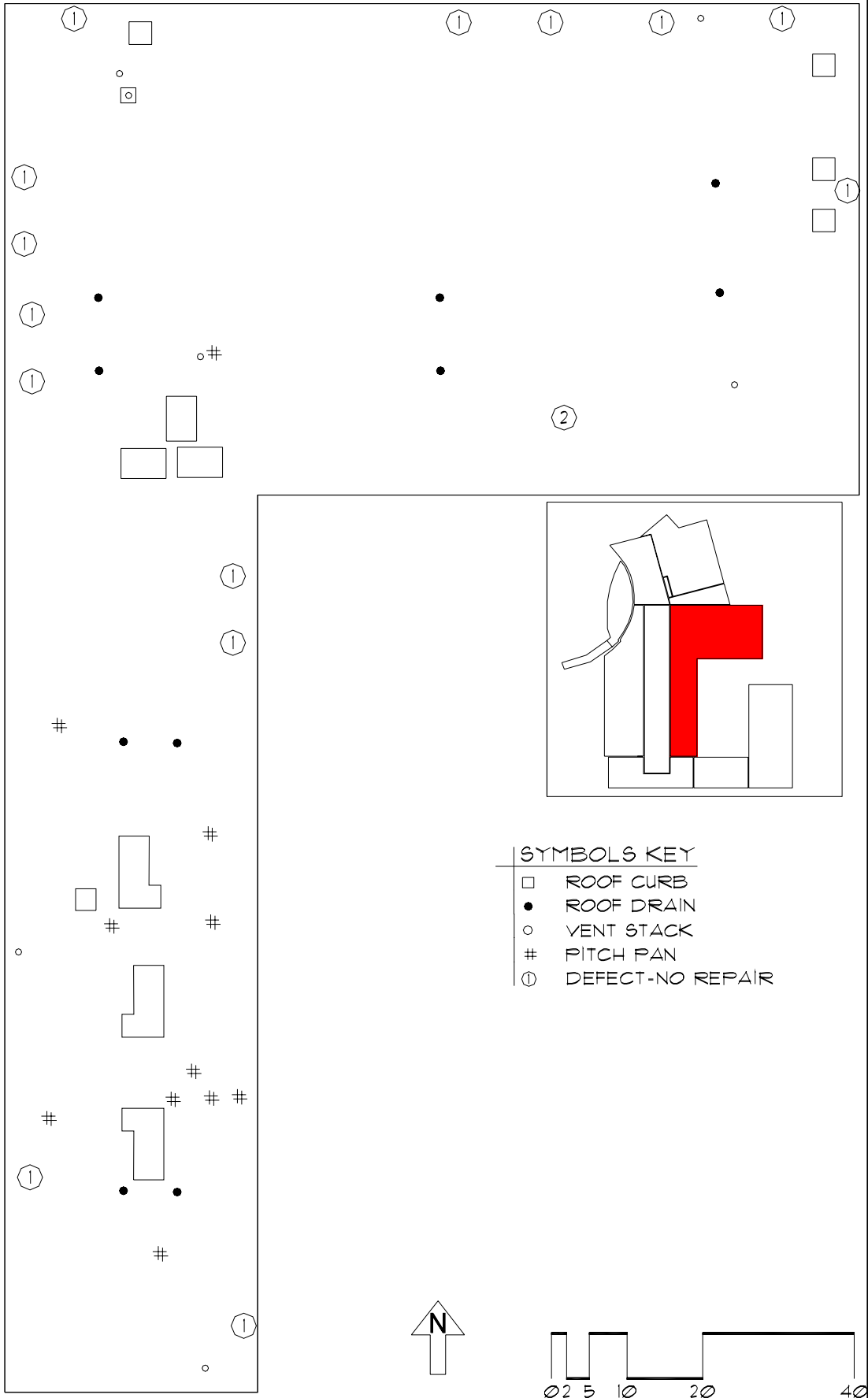


SYMBOLS KEY

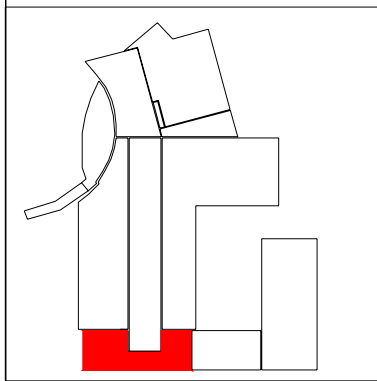
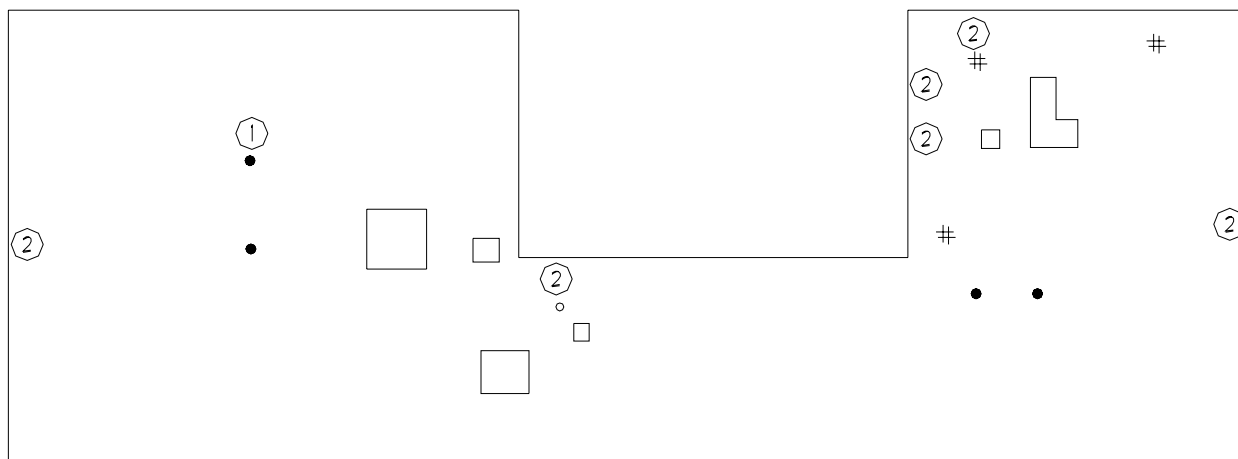
- ROOF DRAIN
- VENT STACK



Roof Corrective Action

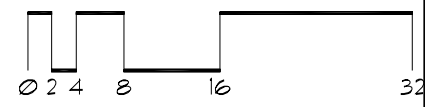


Roof Corrective Action

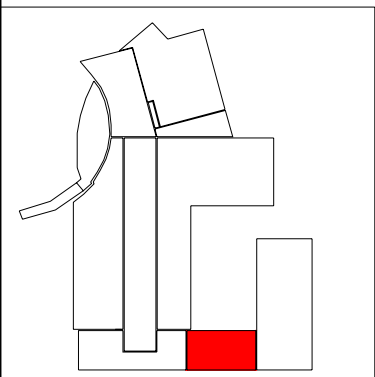
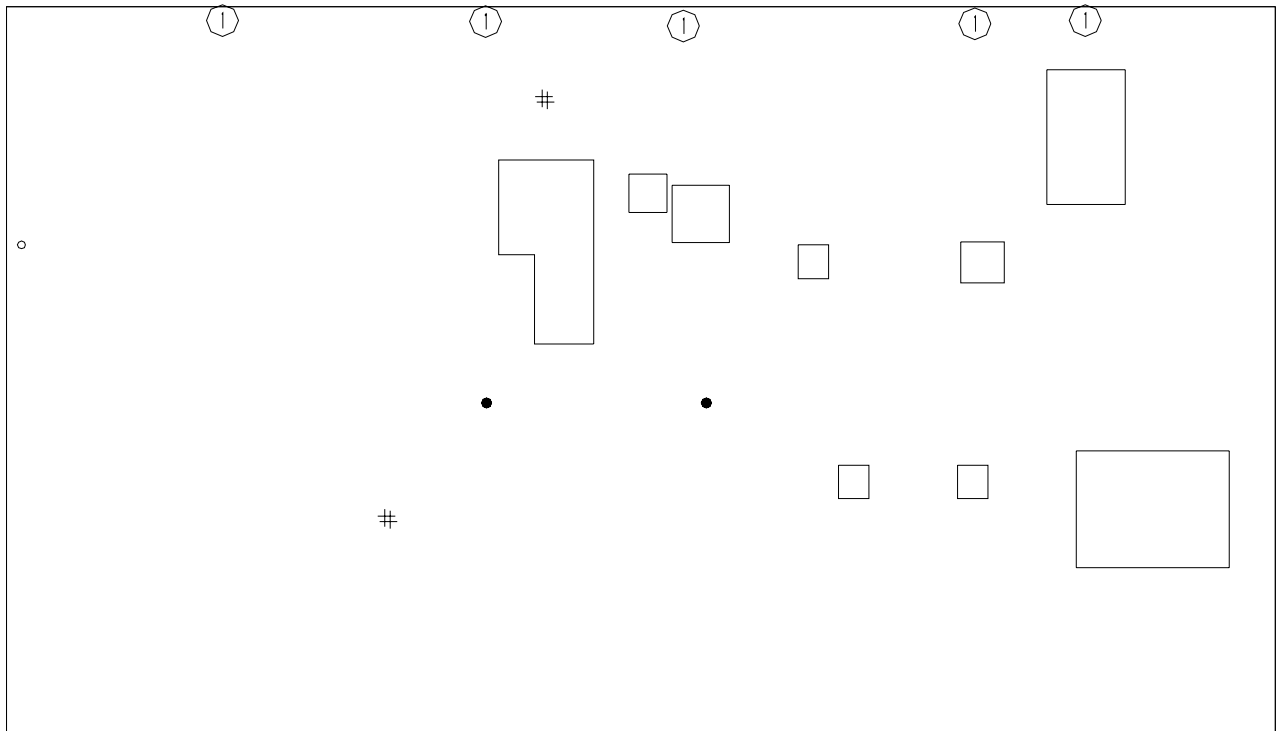


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- ① DEFECT-NO REPAIR

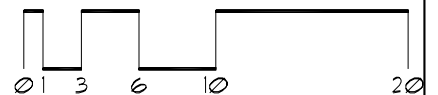


Roof Corrective Action

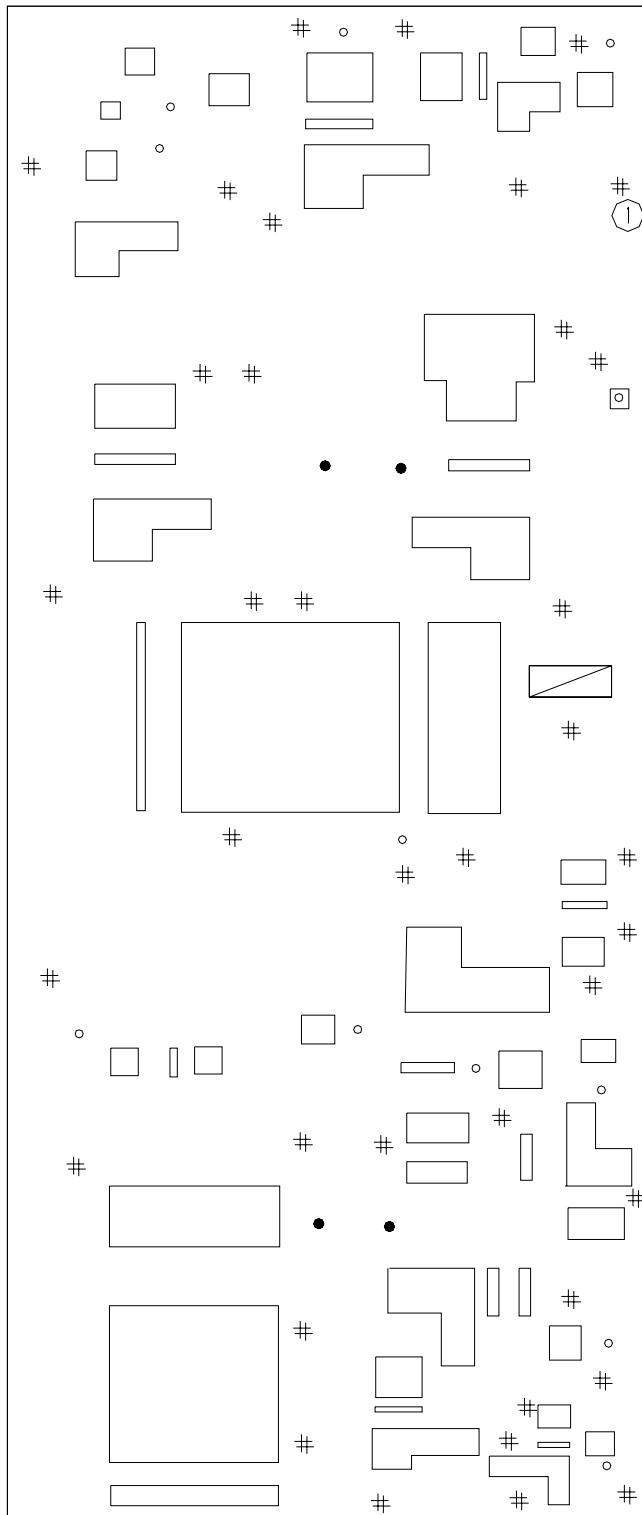


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- Ⓢ DEFECT-NO REPAIR

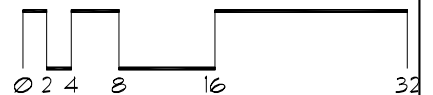
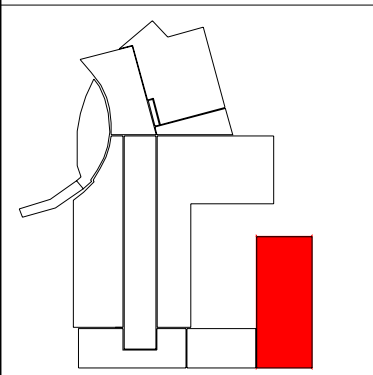


Roof Corrective Action

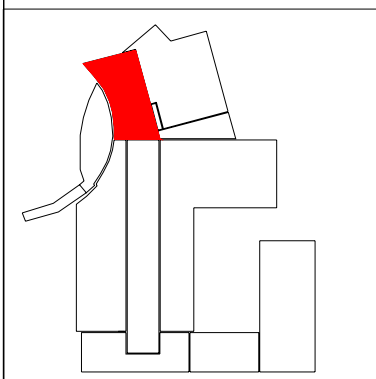
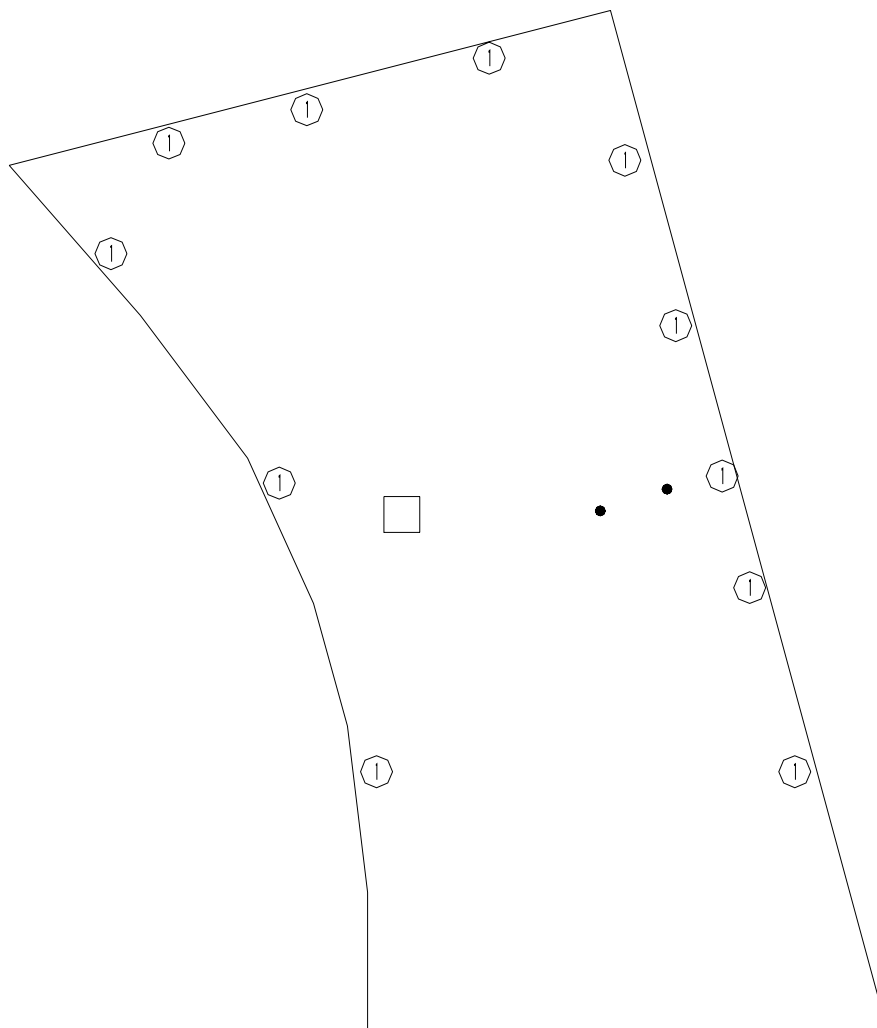


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- ▣ ROOF HATCH
- ① DEFECT-NO REPAIR
- DEFECT-REPAIR

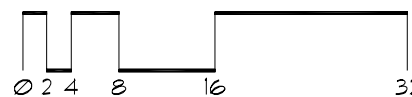


Roof Corrective Action

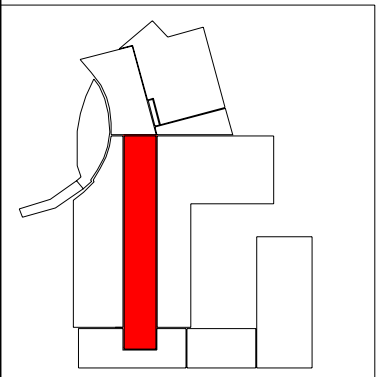
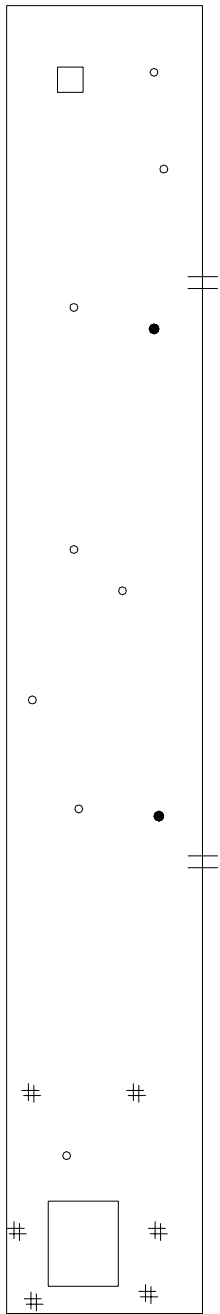


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- ⊕ DEFECT-NO REPAIR

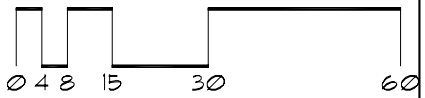


Roof Corrective Action

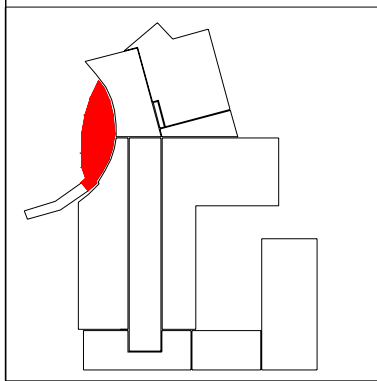
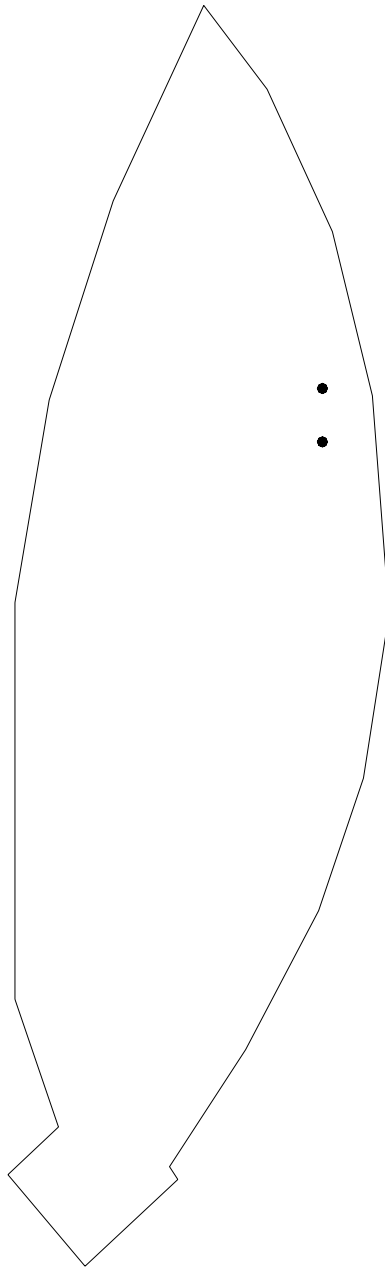


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # SCUPPER
- DEFECT-NO REPAIR



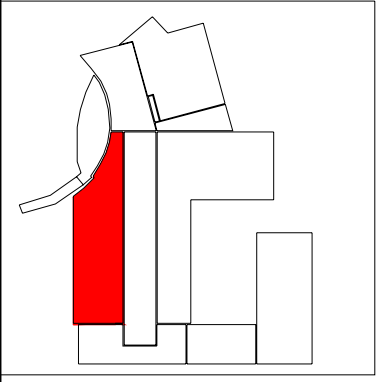
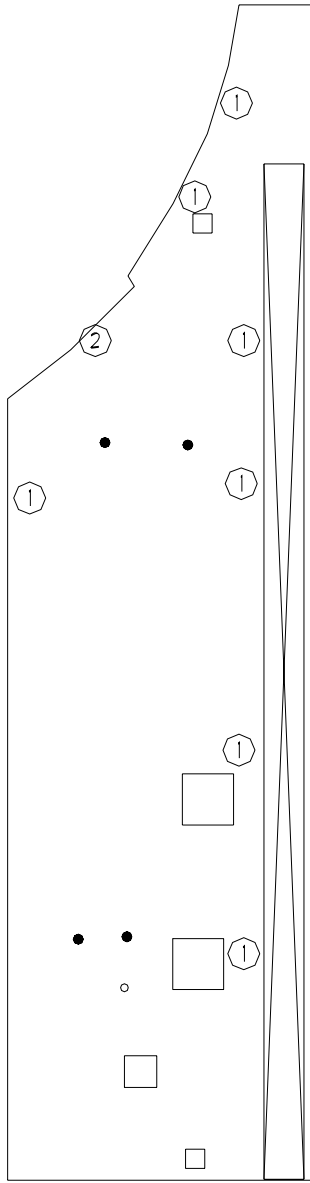
Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN
DEFECT-NO REPAIR

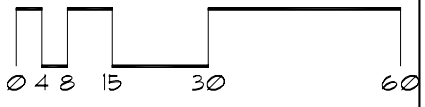


Roof Corrective Action

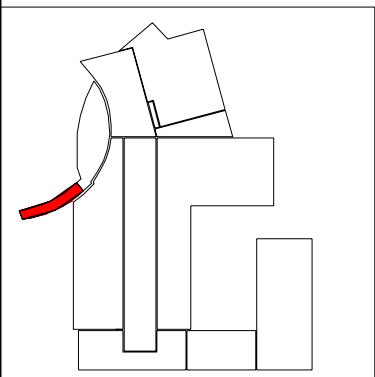
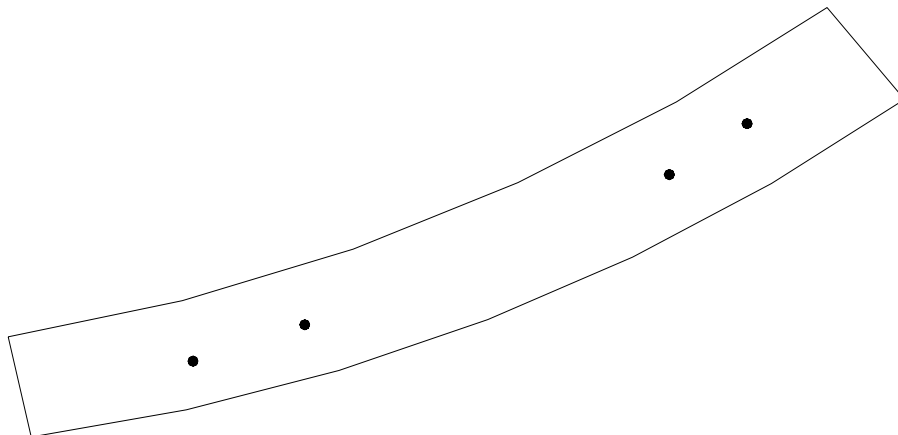


SYMBOLS KEY

- ROOF CURB
- ⊠ SKYLIGHT
- ROOF DRAIN
- VENT STACK
- ① DEFECT-NO REPAIR

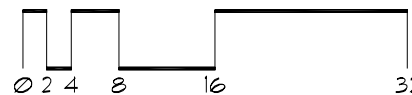


Roof Corrective Action



SYMBOLS KEY

- ROOF DRAIN
- ⊙ DEFECT-NO REPAIR



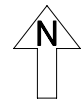
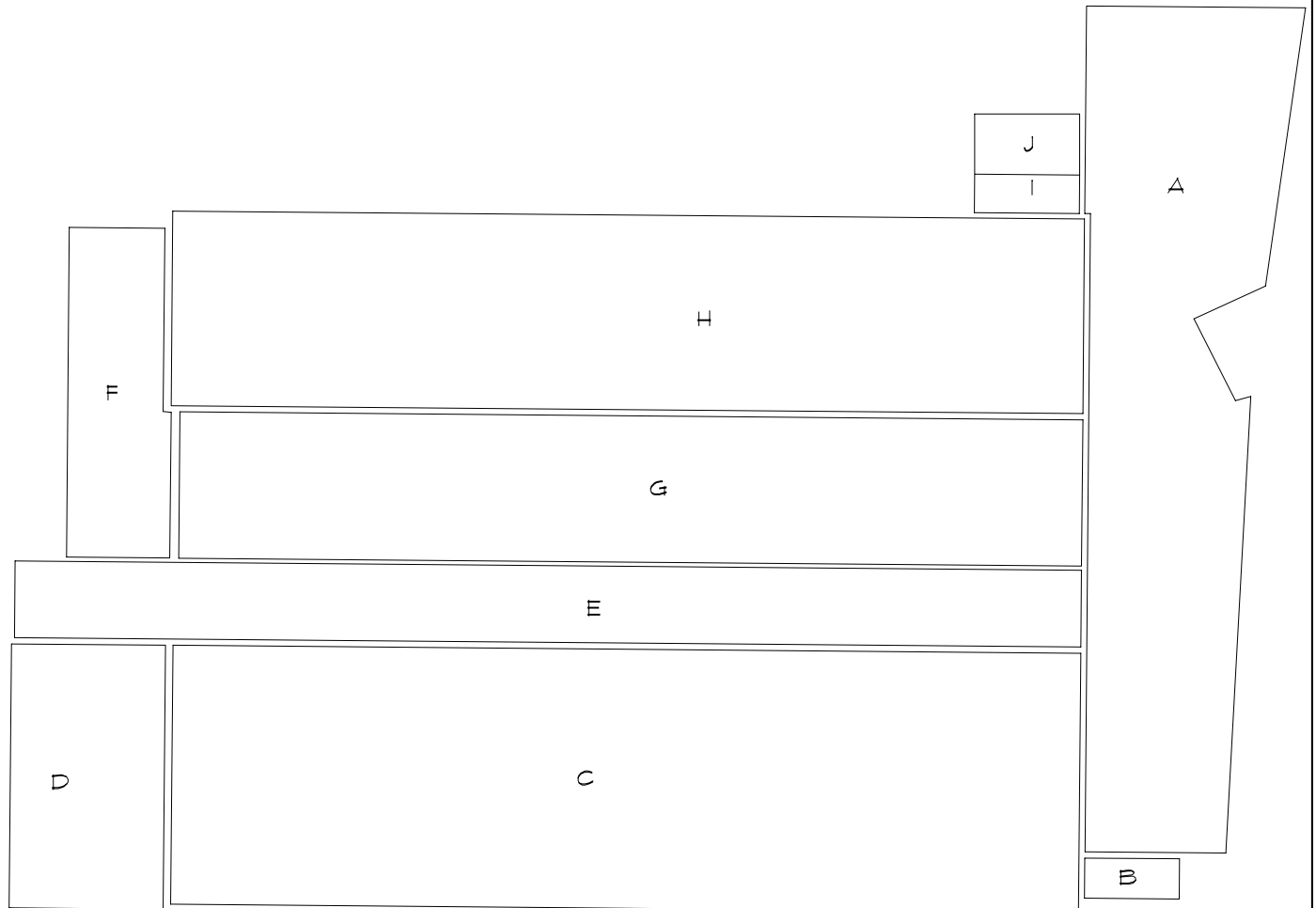
Roof ID

Building: WB242 - Regis-West - (2018 S. 5th St.)

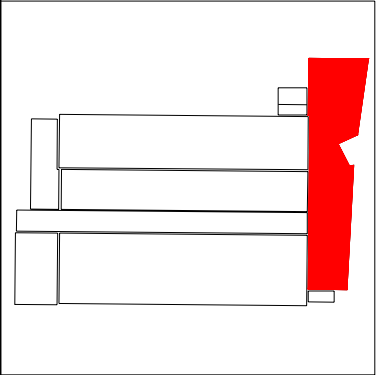
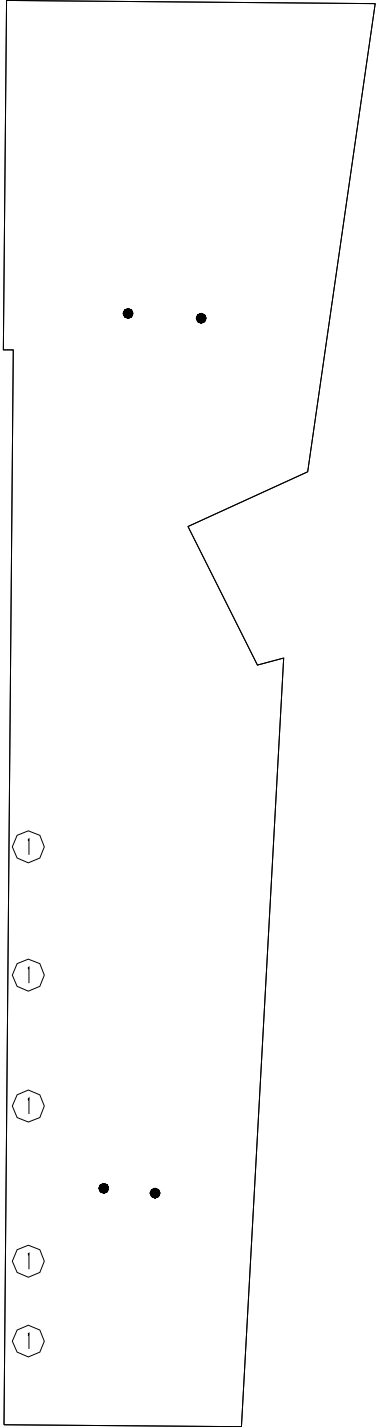
Roof Access: Penthouse elevation-two double doors under Area H

Total Area: 26,421 sf

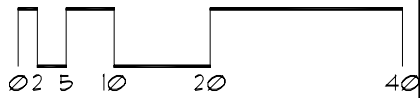
A	4,274	E	2,523	I	124
B	117	F	1,124	J	223
C	7,242	G	4,072		
D	1,253	H	5,469		



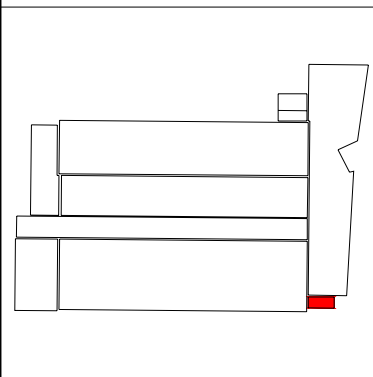
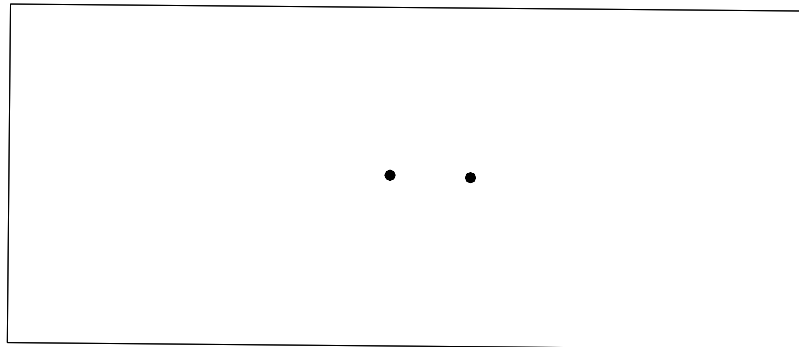
Roof Corrective Action



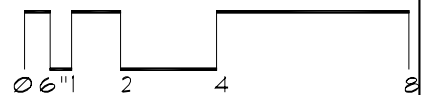
SYMBOLS KEY
● ROOF DRAIN
⓪ DEFECT-NO REPAIR



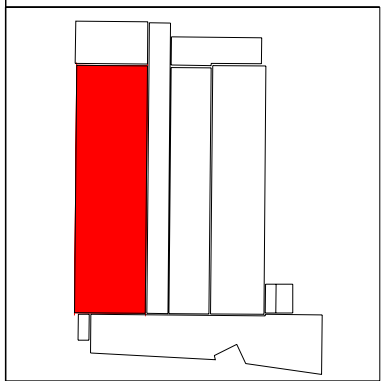
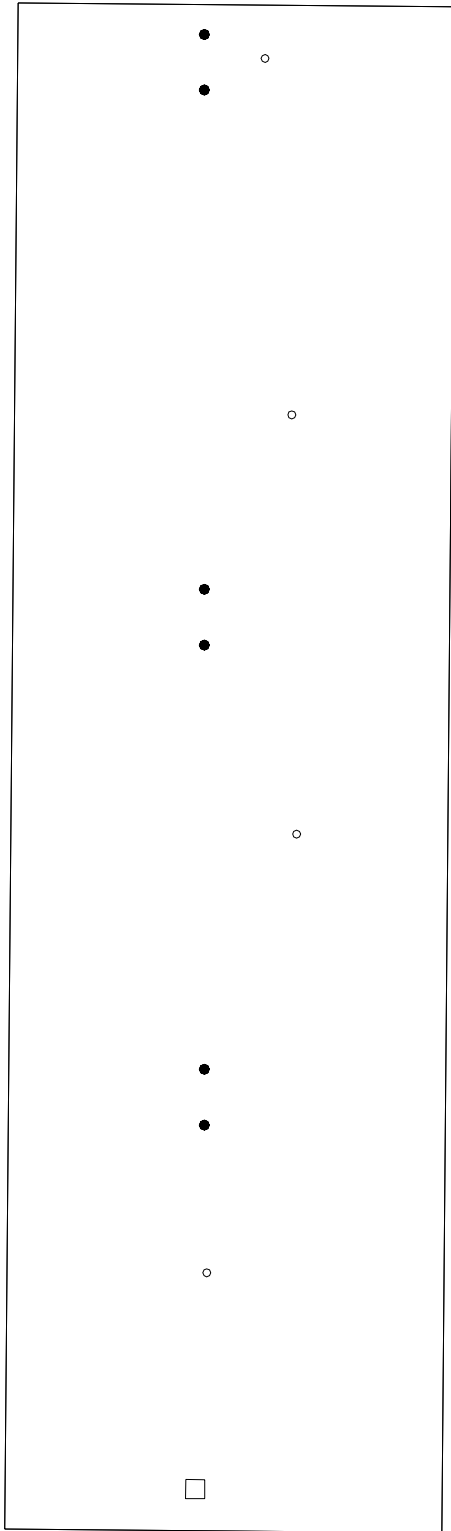
Roof Corrective Action



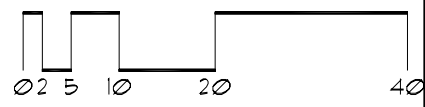
SYMBOLS KEY
• ROOF DRAIN



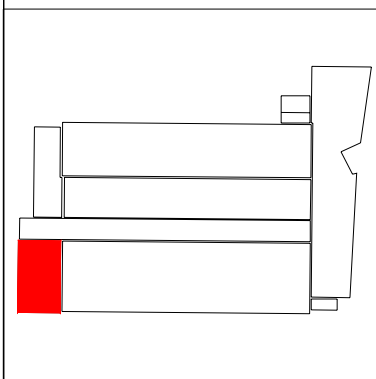
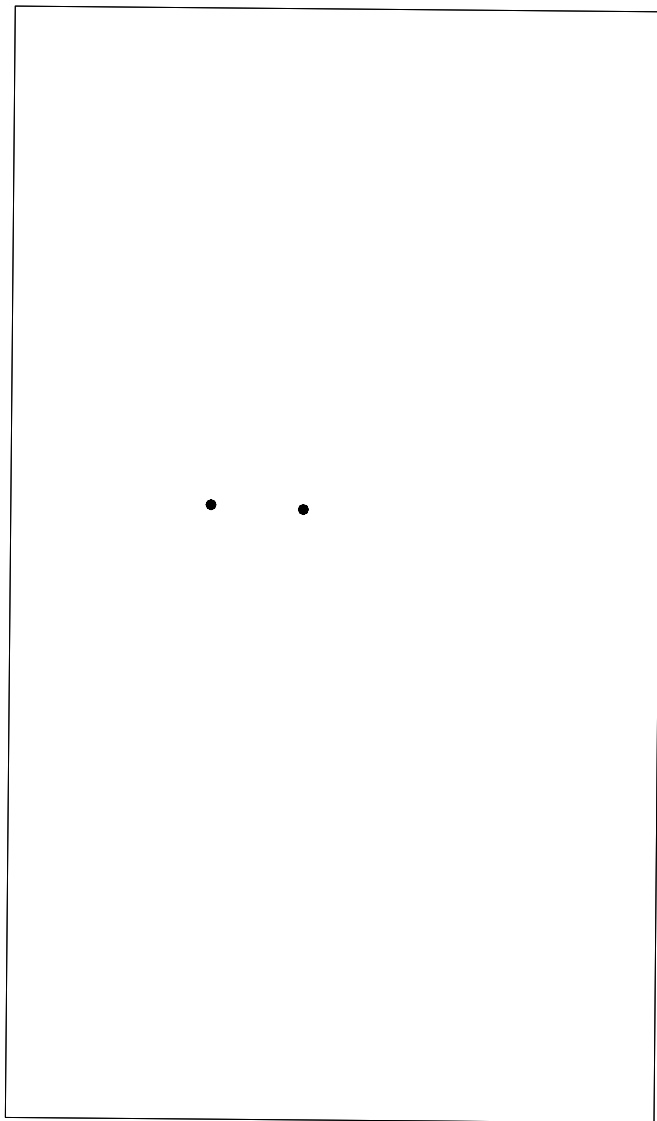
Roof Corrective Action



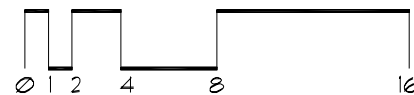
SYMBOLS KEY
□ ROOF CURB
● ROOF DRAIN
○ VENT STACK



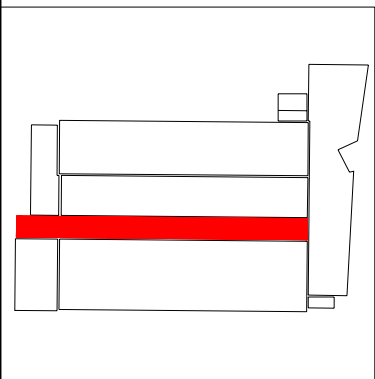
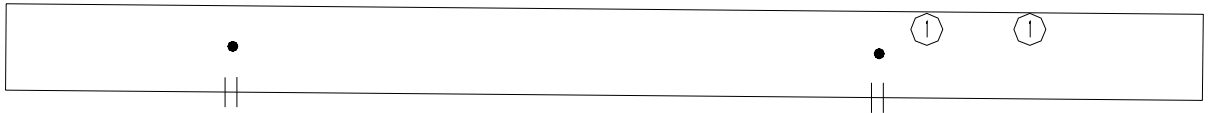
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN

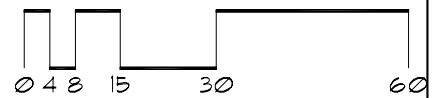


Roof Corrective Action

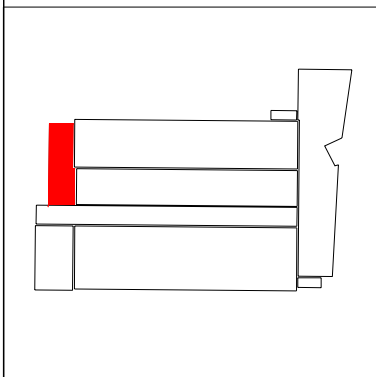
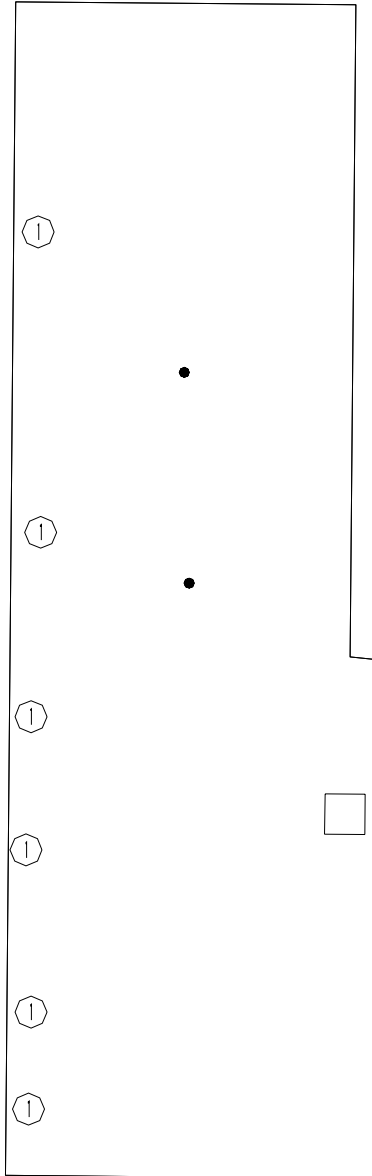


SYMBOLS KEY

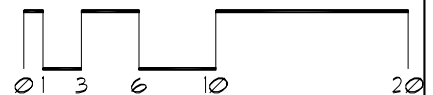
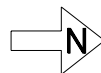
- || SCUPPER
- ROOF DRAIN
- ① DEFECT-NO REPAIR



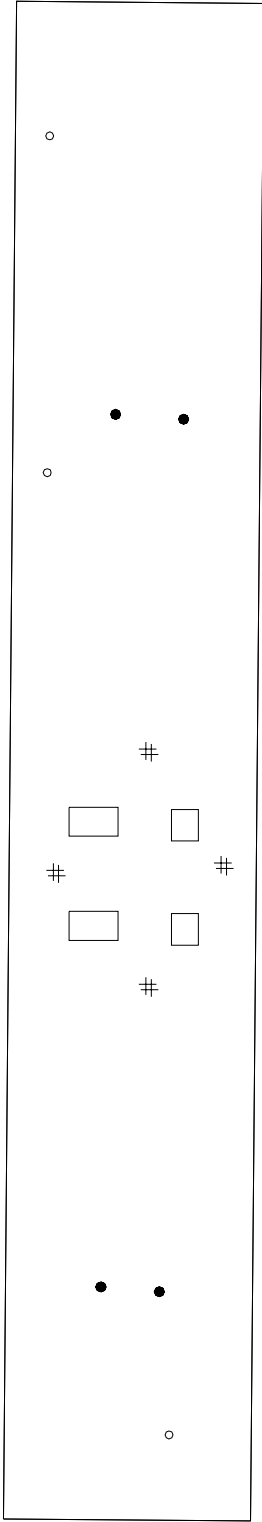
Roof Corrective Action



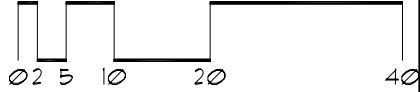
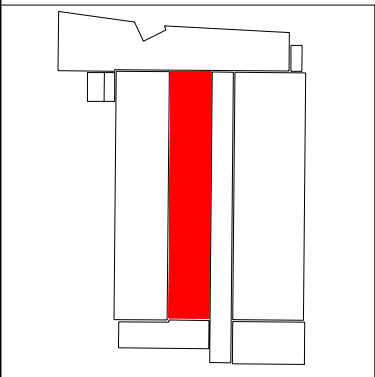
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - ① DEFECT-NO REPAIR



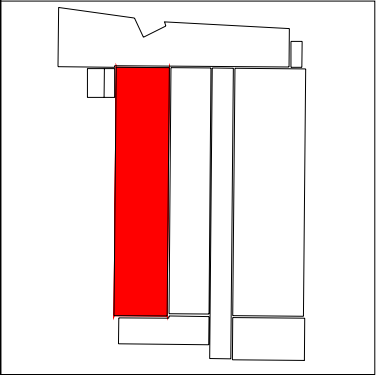
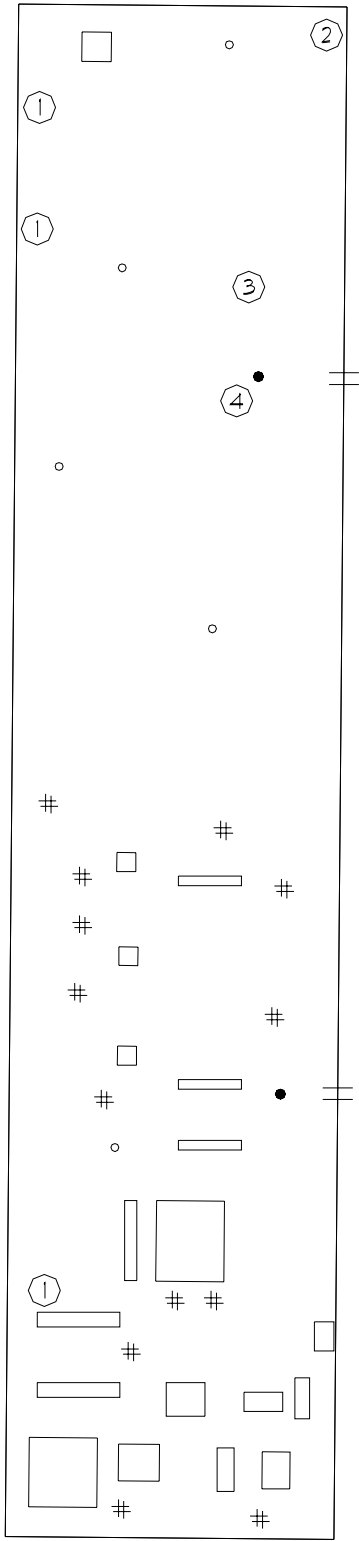
Roof Corrective Action



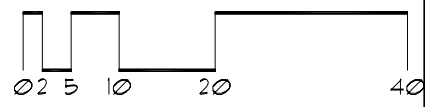
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
#	PITCH PAN



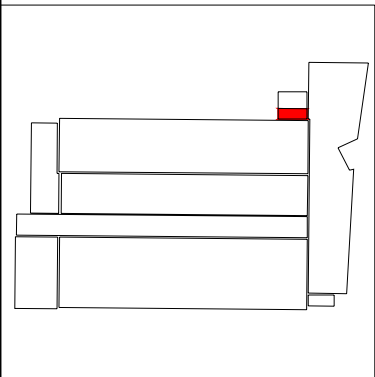
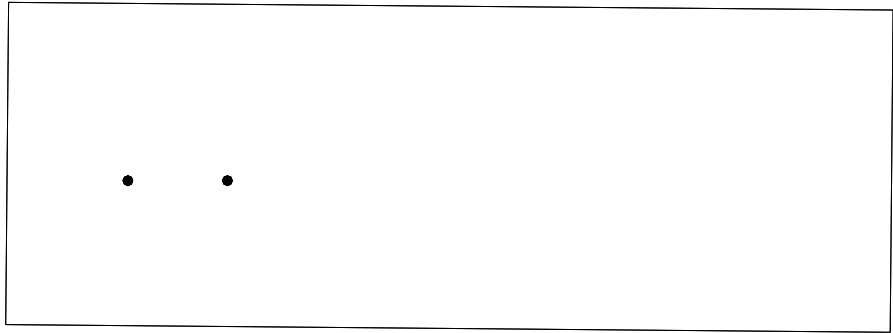
Roof Corrective Action



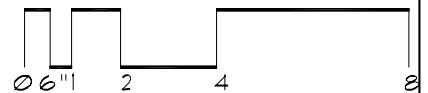
SYMBOLS KEY
 □ ROOF CURB
 ○ DEFECT-NO REPAIR



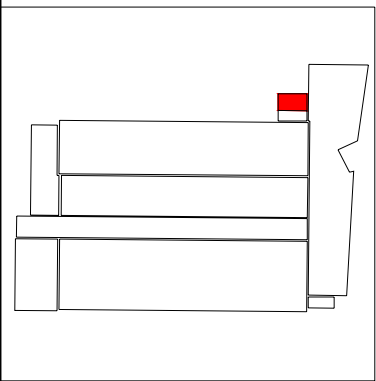
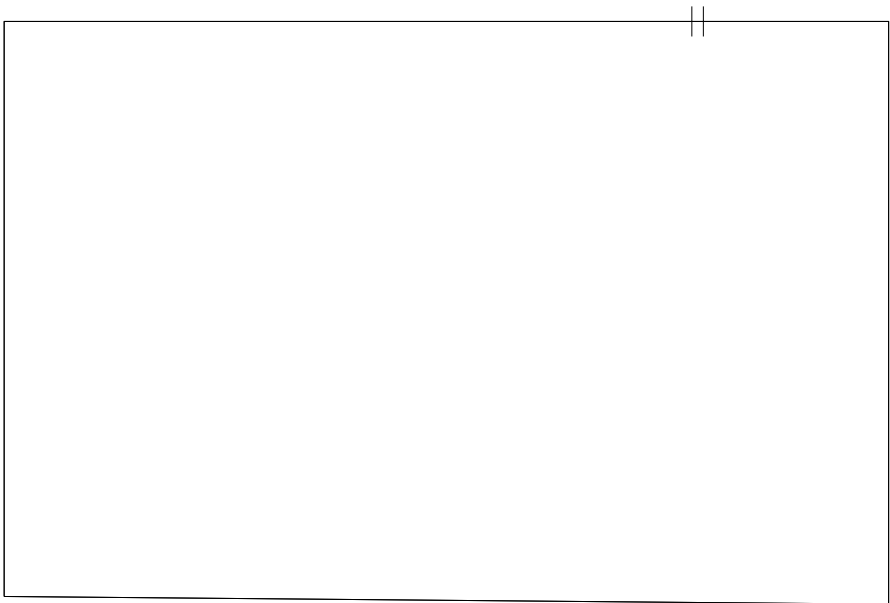
Roof Corrective Action



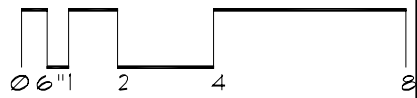
SYMBOLS KEY
• ROOF DRAIN



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER



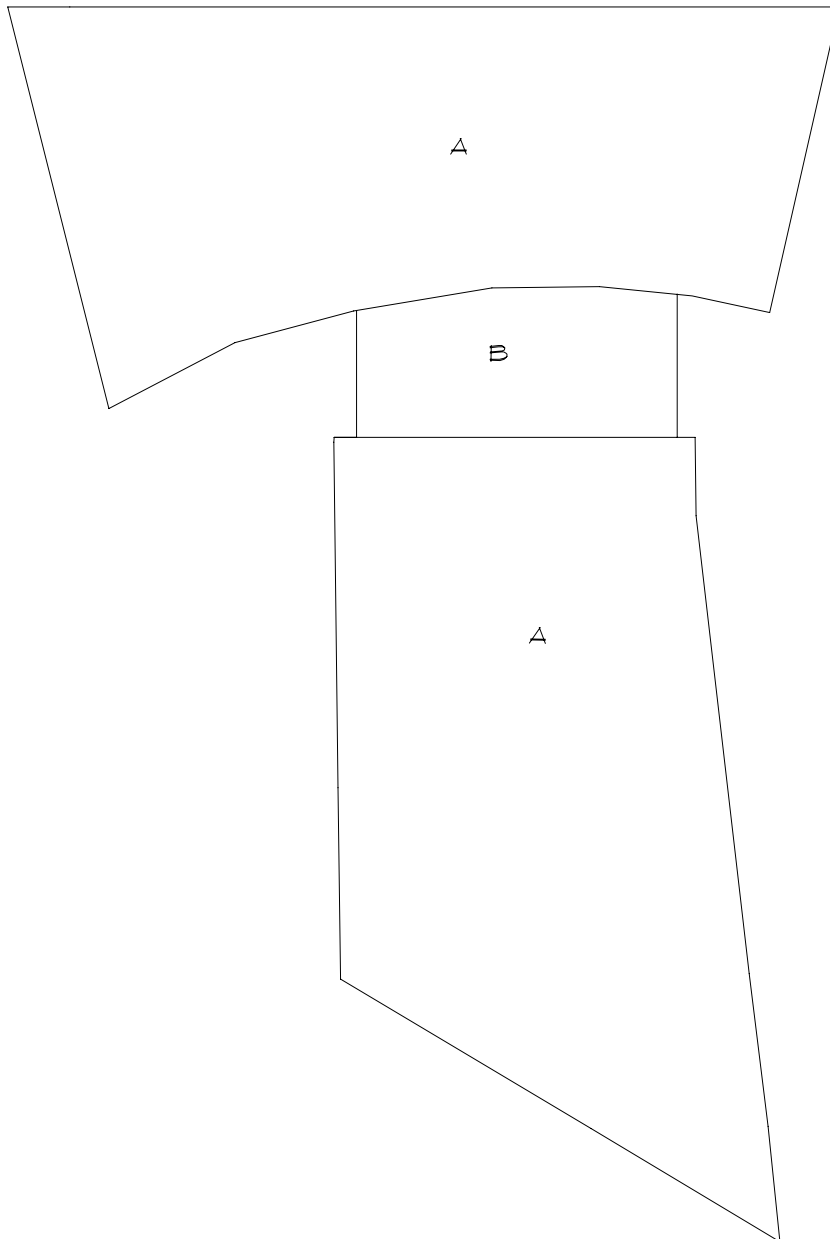
Roof ID

Building: WB247 - Barker Center for Dance - (500 21st Avenue South)

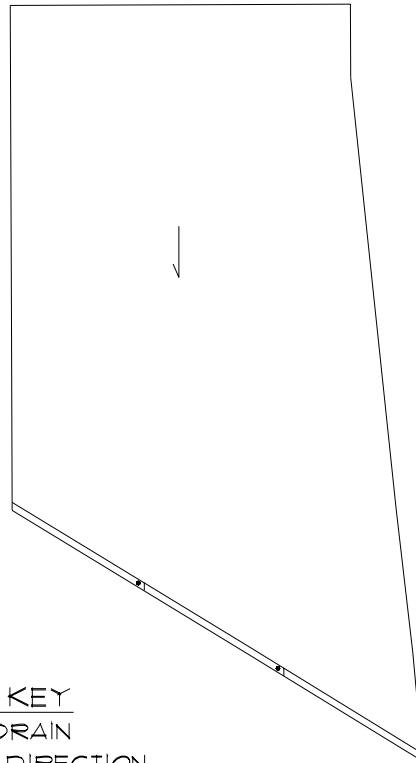
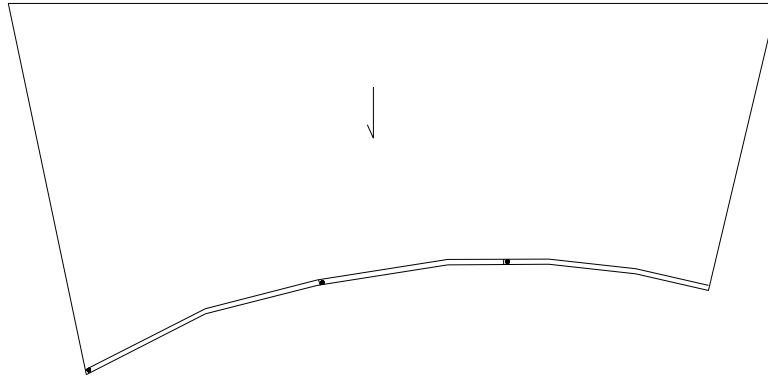
Total Area: 11,797 sf

A 10,785 sf

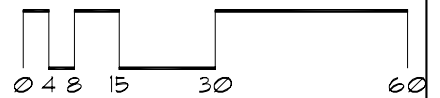
B 1,012 sf



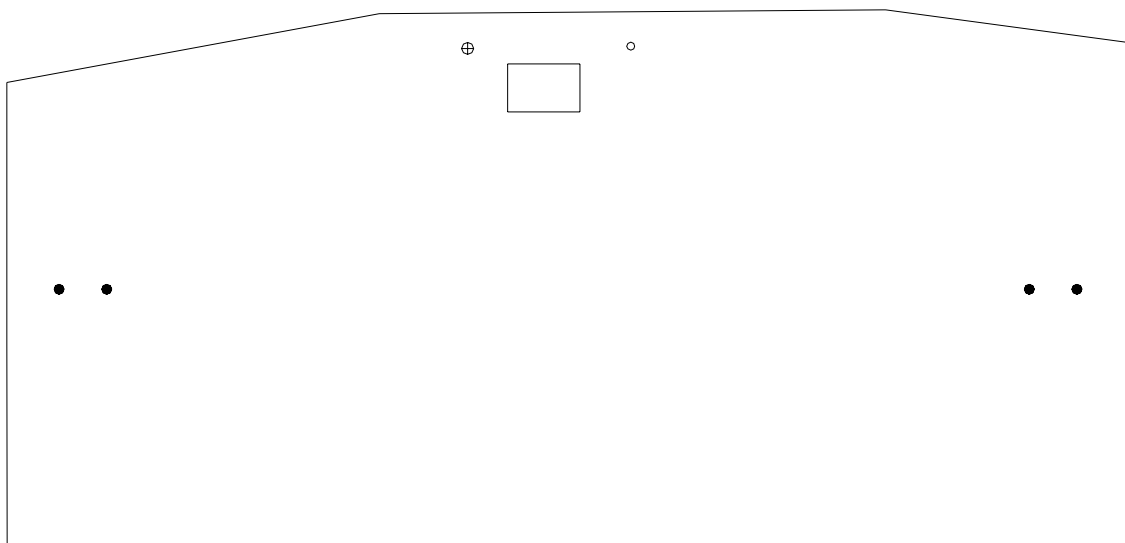
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
→ SLOPE DIRECTION

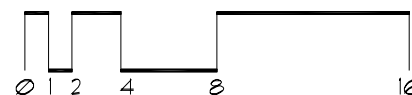


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB OR VENT
- ROOF DRAIN
- VENT STACK
- ⊕ FLASHED PEN.

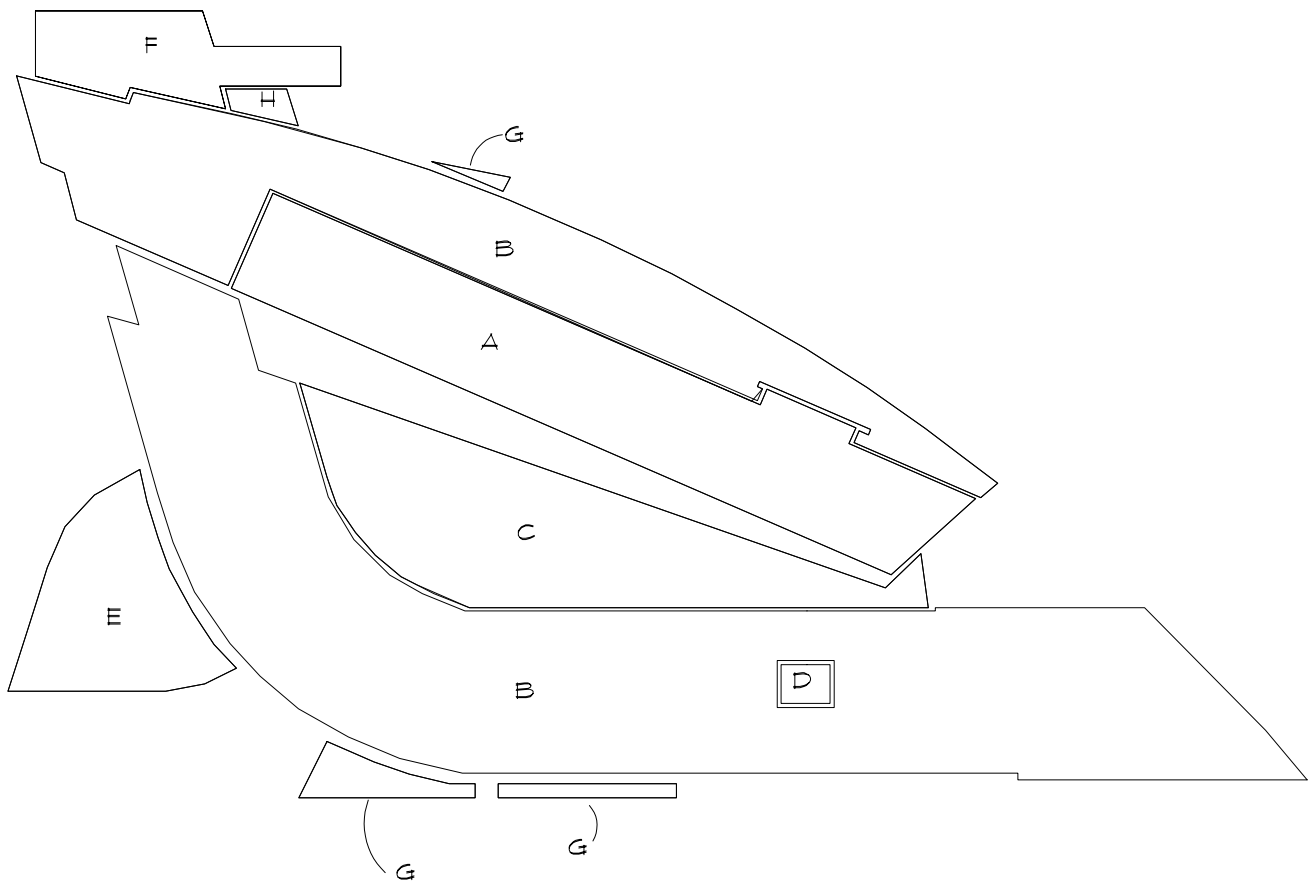


Roof ID

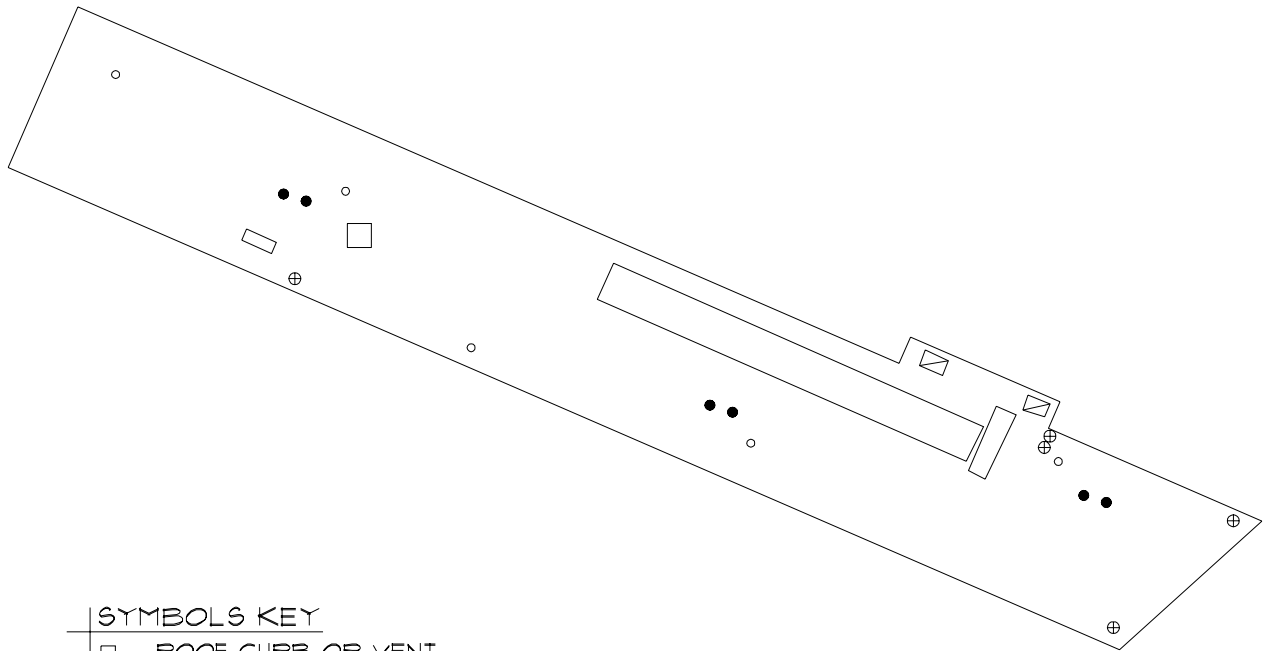
Building: WB249 - Carlson School of Management - (321 19th Avenue South)

Total Area: 60,986 sf

<u>A</u>	<u>9,721 sf</u>	<u>E</u>	<u>3,522 sf</u>
<u>B</u>	<u>36,094 sf</u>	<u>F</u>	<u>2,415 sf</u>
<u>C</u>	<u>7,669 sf</u>	<u>G</u>	<u>1,013 sf</u>
<u>D</u>	<u>330 sf</u>	<u>H</u>	<u>222 sf</u>

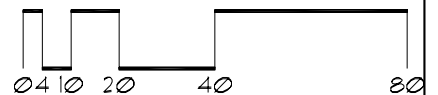


Roof Corrective Action

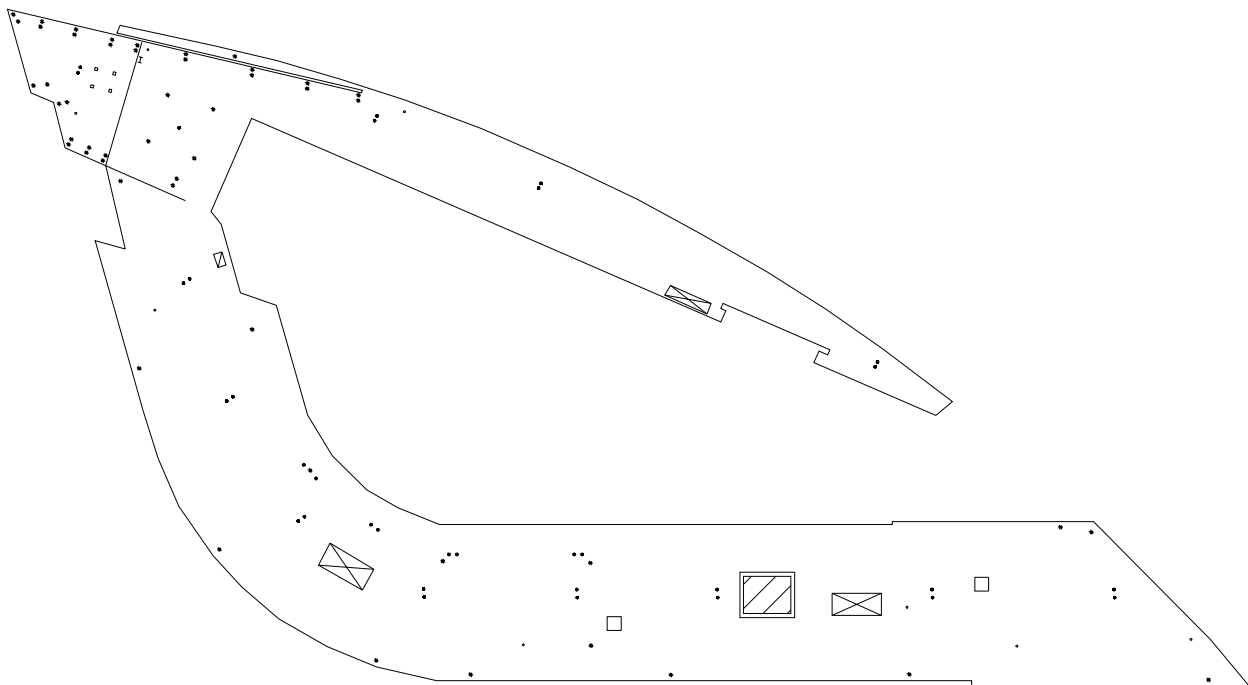


SYMBOLS KEY

- ROOF CURB OR VENT
- ROOF DRAIN
- VENT STACK
- ▤ ROOF HATCH
- ⊕ FLASHED PEN.

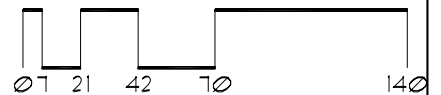


Roof Corrective Action

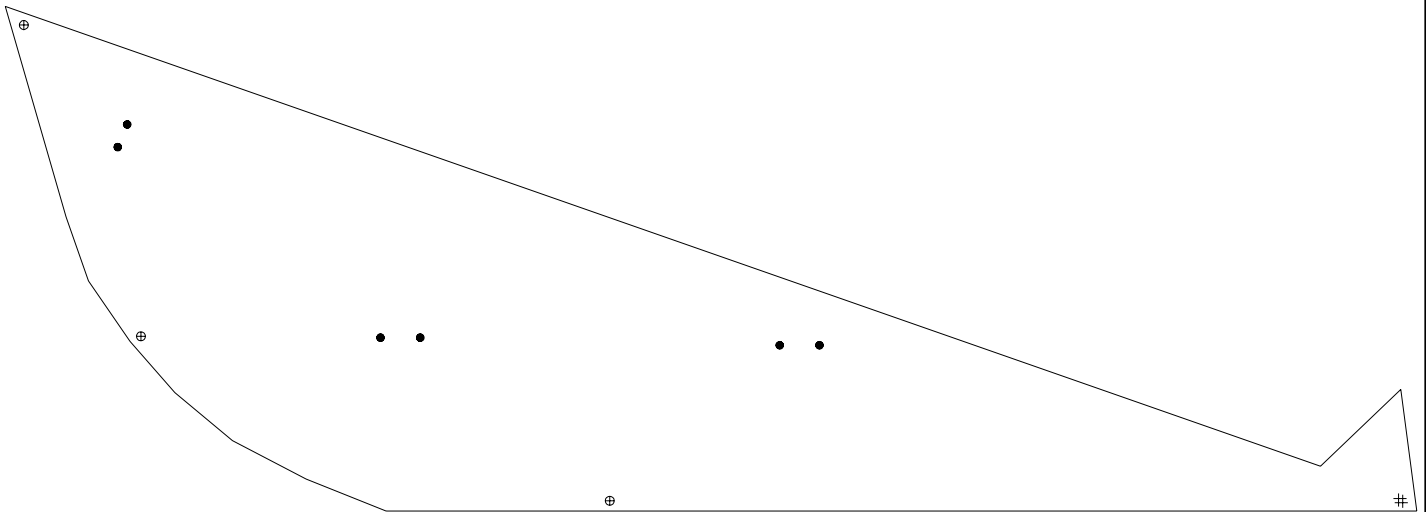


SYMBOLS KEY

- ROOF CURB OR VENT
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- ⊠ SKYLIGHT
- ▧ ROOF HATCH
- ⊕ FLASHED PEN.
- I LADDER

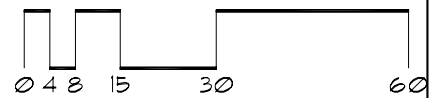


Roof Corrective Action

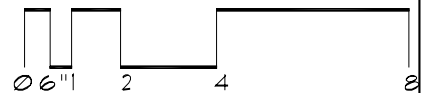
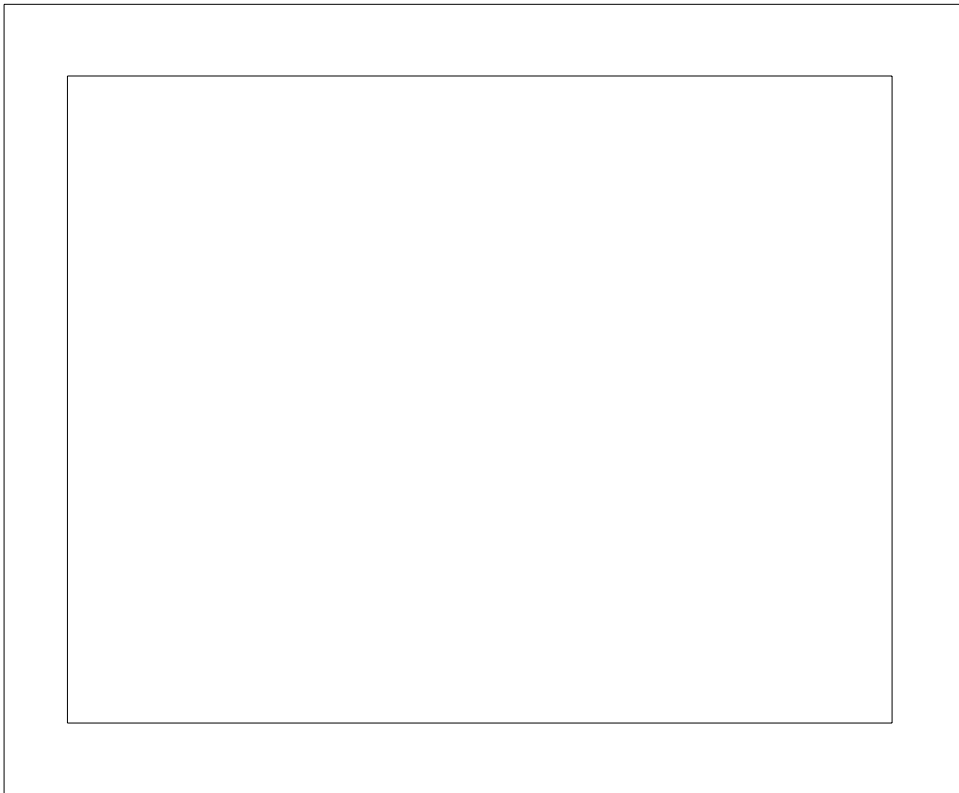


SYMBOLS KEY

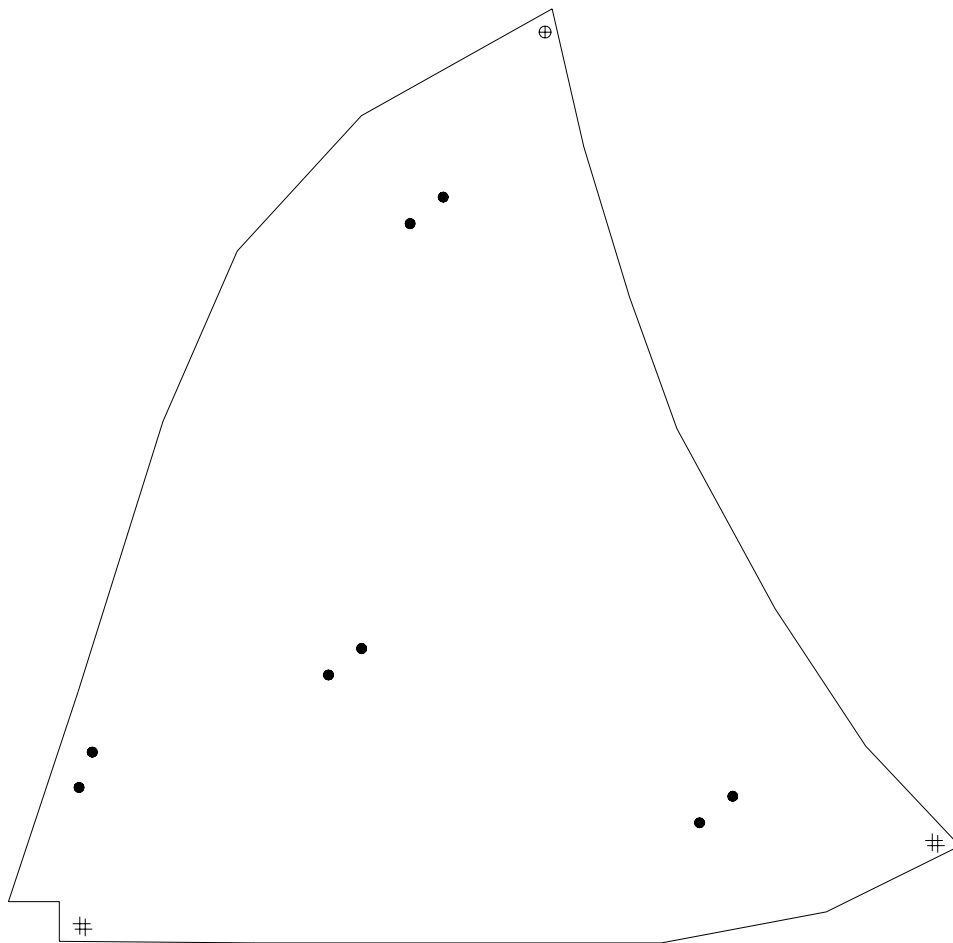
- ROOF DRAIN
- ⊕ FLASHED PEN.



Roof Corrective Action

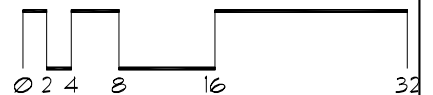


Roof Corrective Action

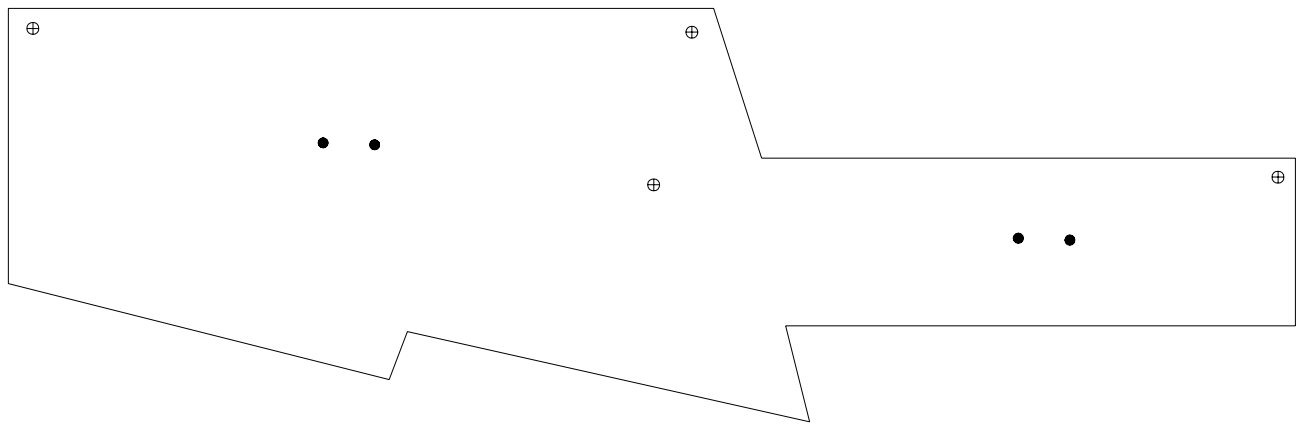


SYMBOLS KEY

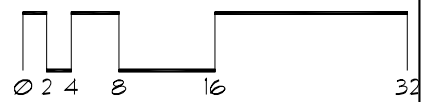
- ROOF DRAIN
- # PITCH PAN
- ⊕ FLASHED PEN.
DEFECT-NO REPAIR



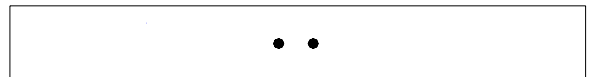
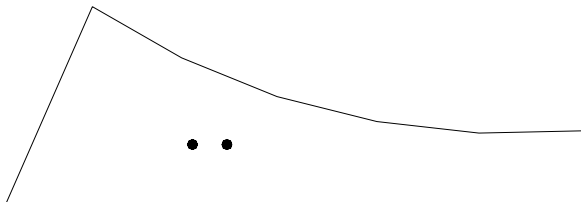
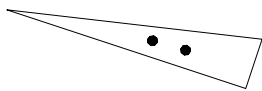
Roof Corrective Action



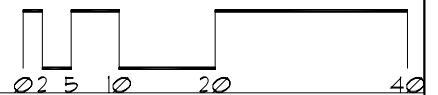
SYMBOLS KEY	
●	ROOF DRAIN
⊕	FLASHED PEN.



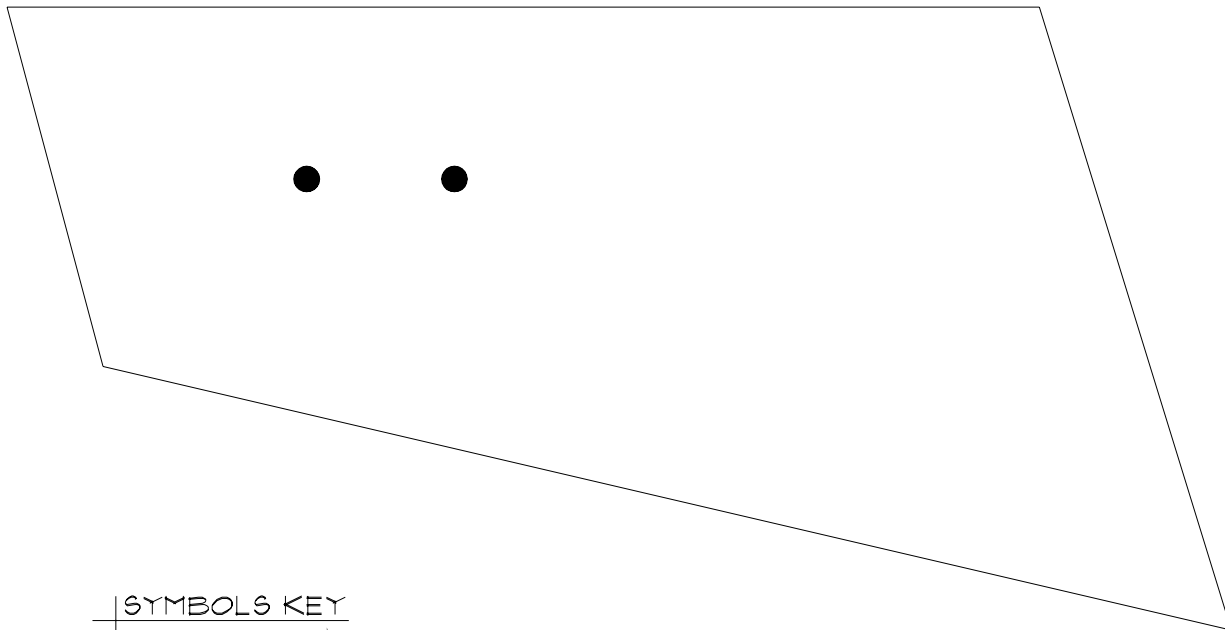
Roof Corrective Action



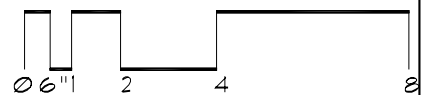
SYMBOLS KEY
• ROOF DRAIN



Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN



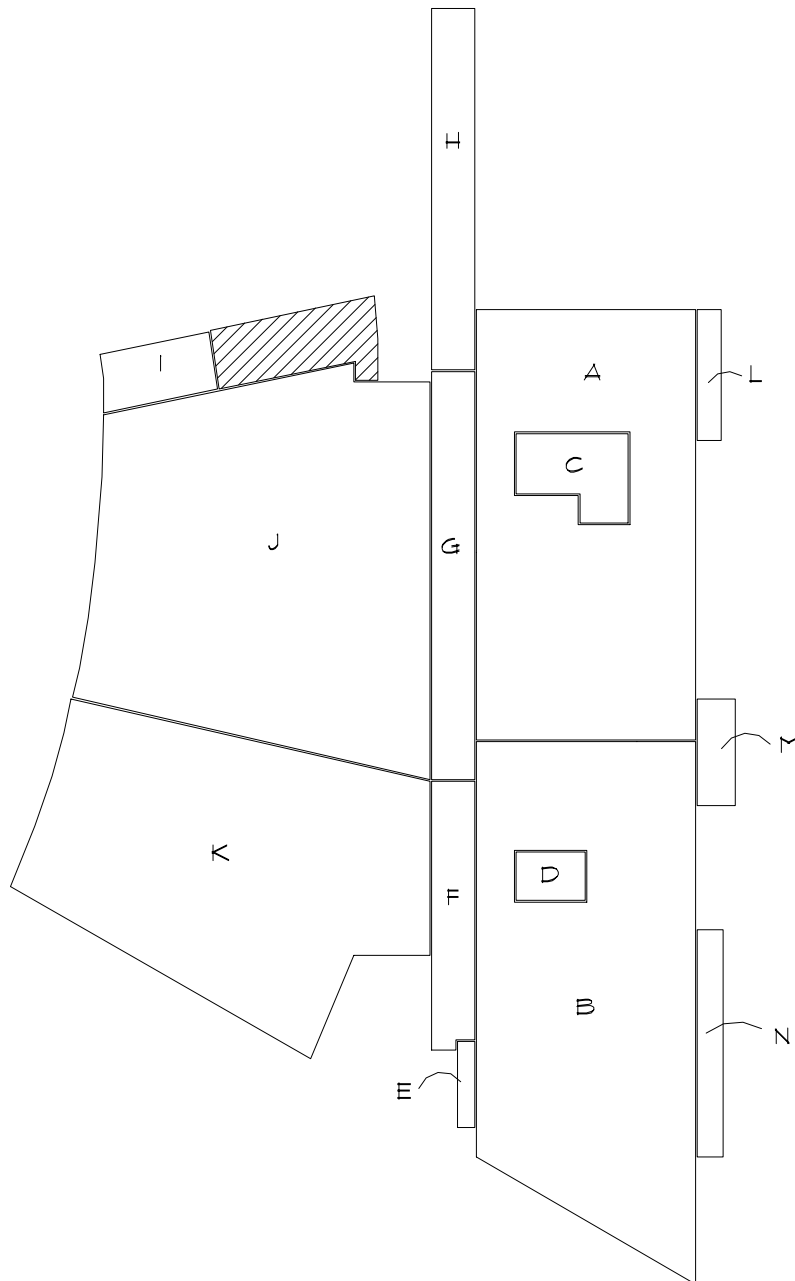
Roof ID

Building: WB250 - Hubert Hansen Hall - (1901 South 4th St.)

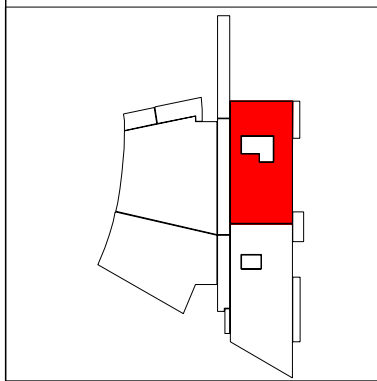
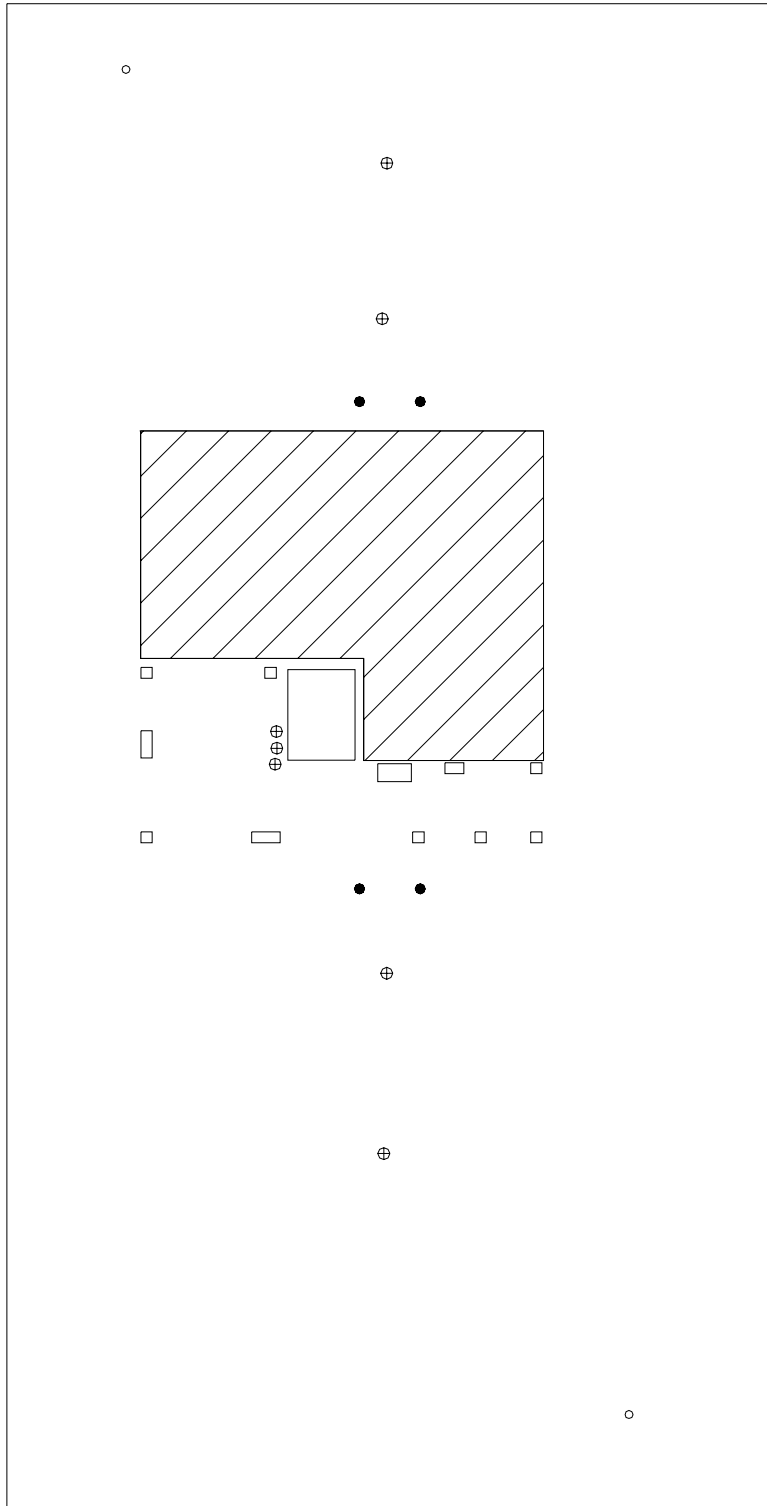
Roof Access: Penthouse on Area C
Area F-Stairwell with access door

Total Area: 40,479 sf

<u>A</u>	<u>7,240</u> sf	<u>E</u>	<u>126</u> sf	<u>I</u>	<u>551</u> sf	<u>M</u>	<u>348</u> sf
<u>B</u>	<u>8,565</u> sf	<u>F</u>	<u>966</u> sf	<u>J</u>	<u>10,103</u> sf	<u>N</u>	<u>500</u> sf
<u>C</u>	<u>693</u> sf	<u>G</u>	<u>1,493</u> sf	<u>K</u>	<u>8,014</u> sf		
<u>D</u>	<u>282</u> sf	<u>H</u>	<u>1,330</u> sf	<u>L</u>	<u>268</u> sf		

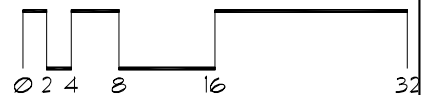


Roof Corrective Action

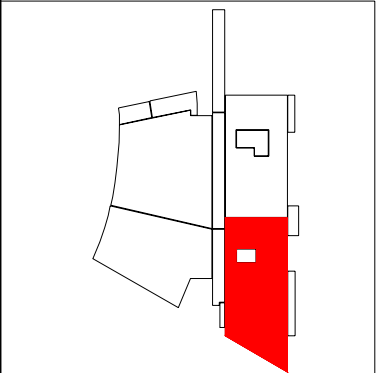
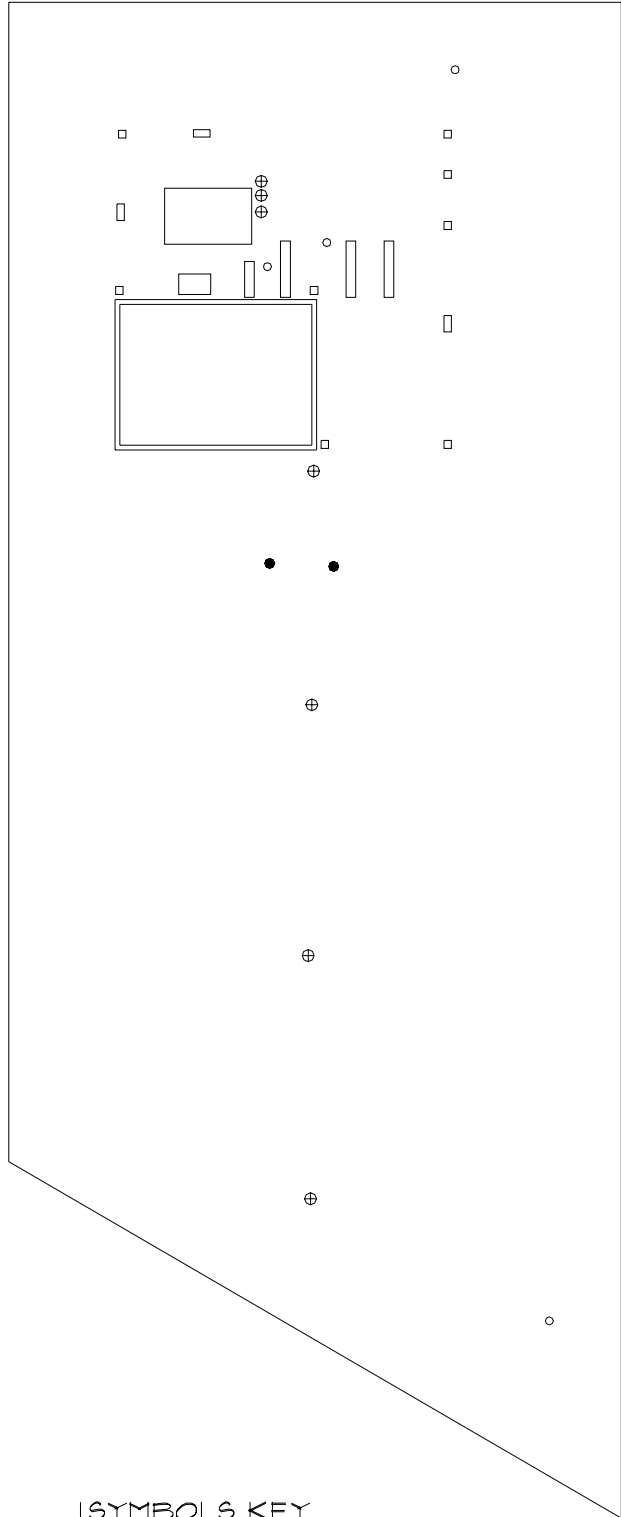


SYMBOLS KEY

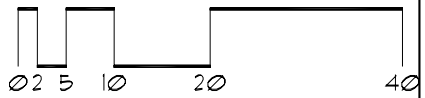
- ROOF CURB
- ⊕ FLASHED PEN.
- VENT STACK



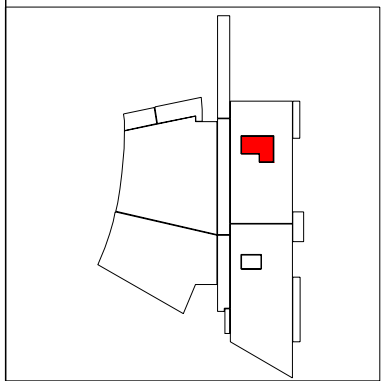
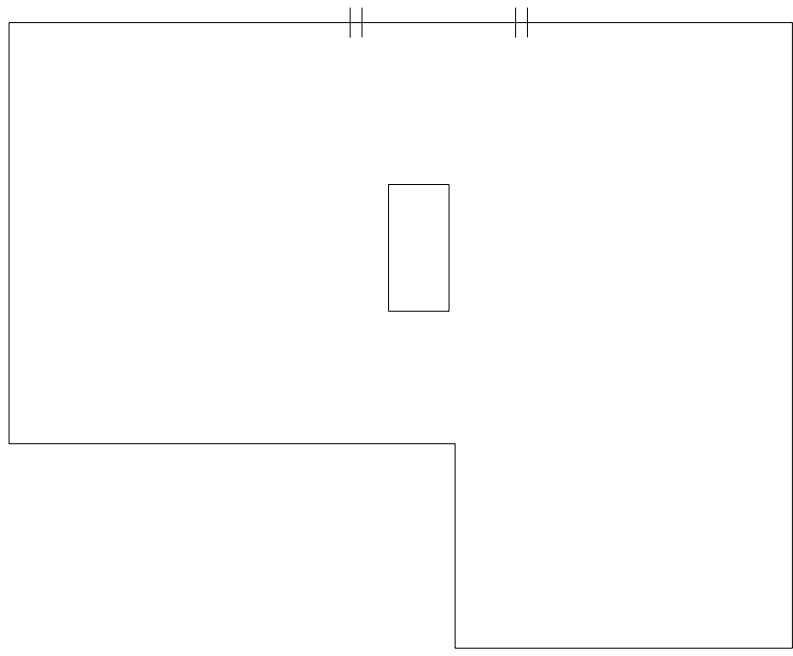
Roof Corrective Action



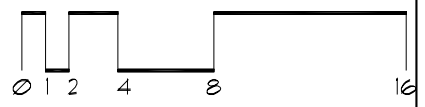
SYMBOLS KEY
□ ROOF CURB



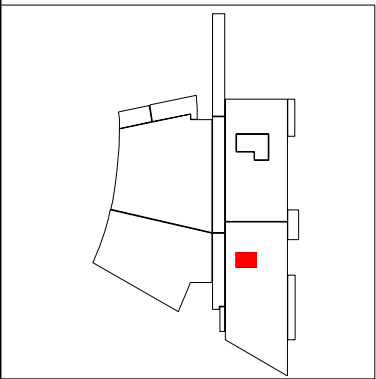
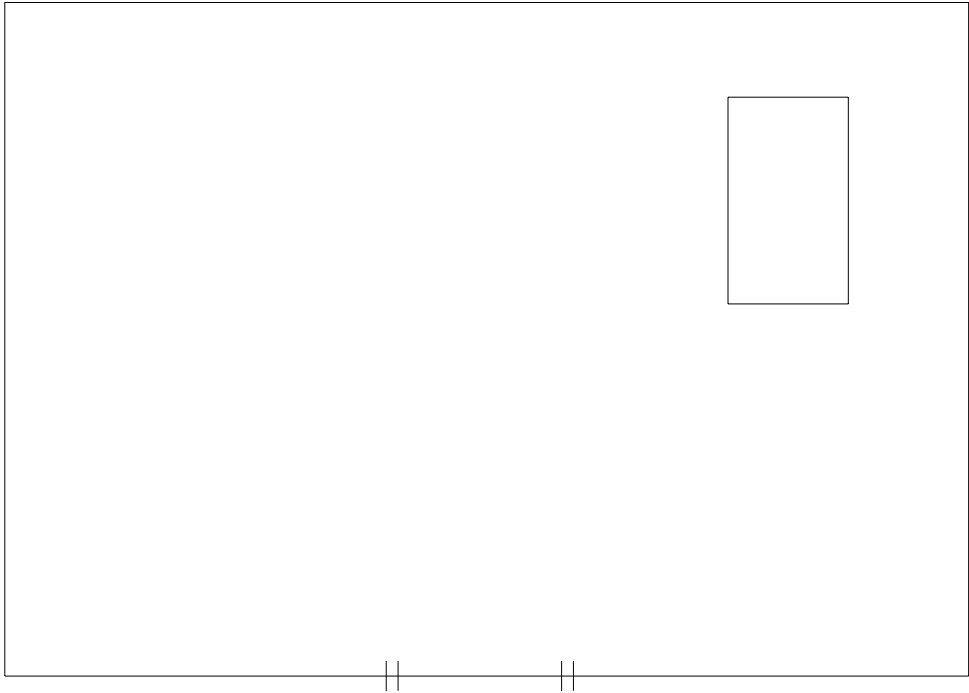
Roof Corrective Action



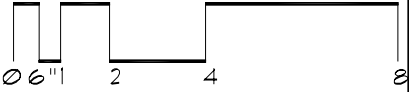
- SYMBOLS KEY
- ROOF CURB
 - ⊕ SCUPPER
 - ⊕ FLASHED PEN.



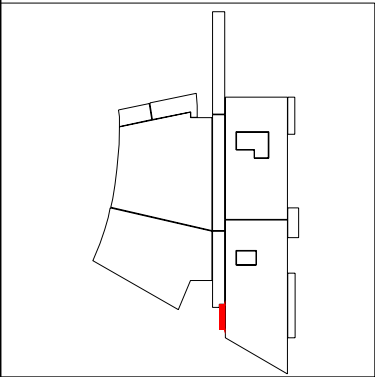
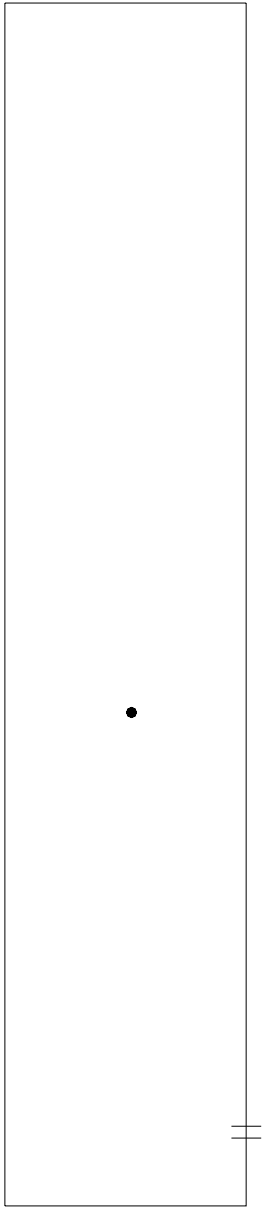
Roof Corrective Action



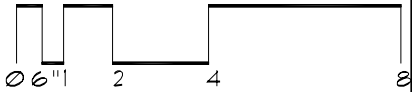
SYMBOLS KEY
□ ROOF CURB
|| SCUPPER



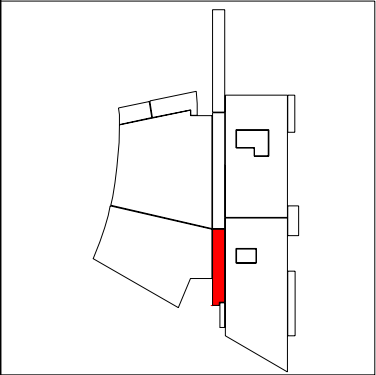
Roof Corrective Action



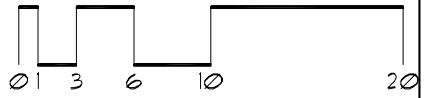
SYMBOLS KEY
• ROOF DRAIN
|| SCUPPER



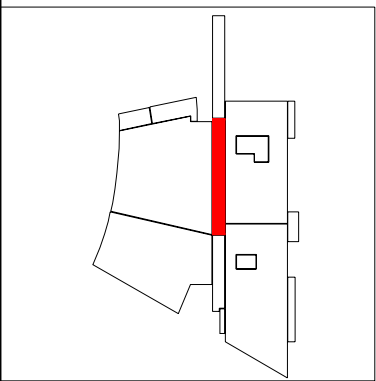
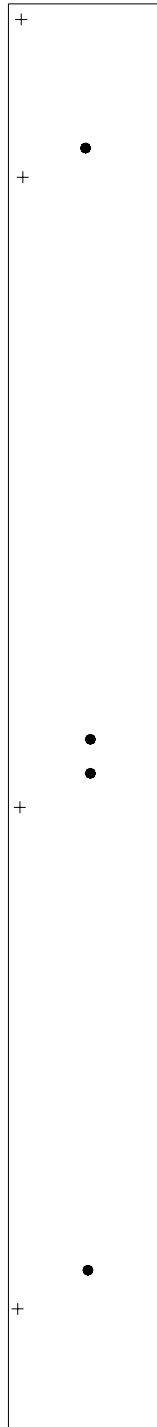
Roof Corrective Action



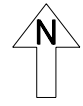
SYMBOLS KEY
● ROOF DRAIN
+ FALL PROTECTION



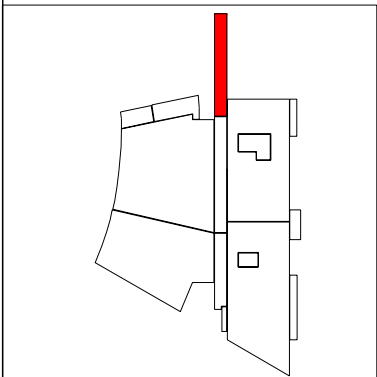
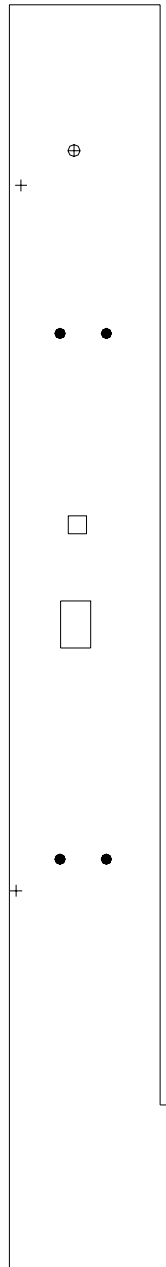
Roof Corrective Action



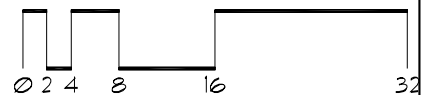
SYMBOLS KEY
• ROOF DRAIN
+ FALL PROTECTION
DEFECT-REPAIR



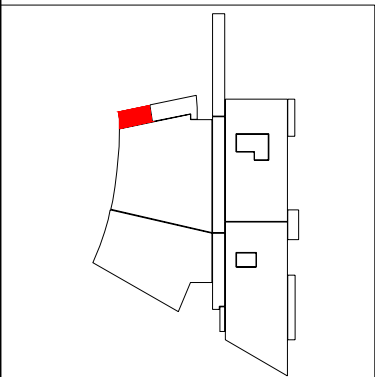
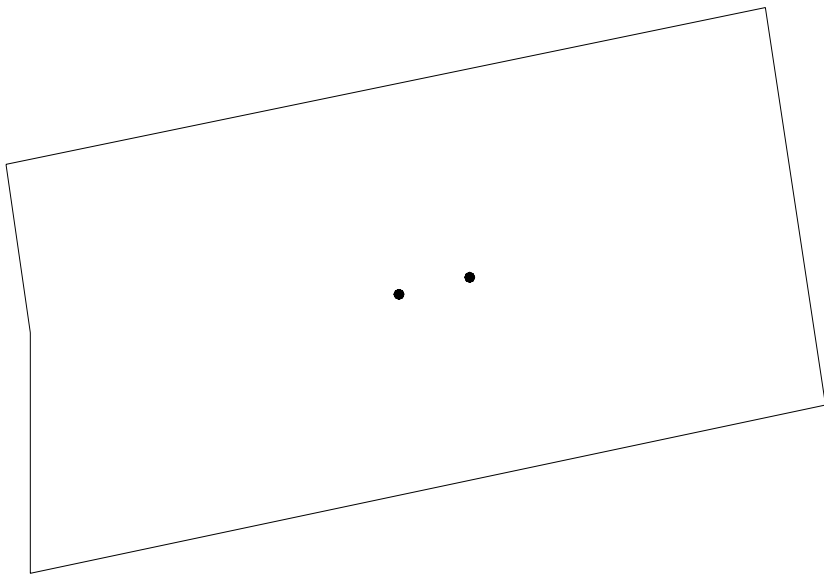
Roof Corrective Action



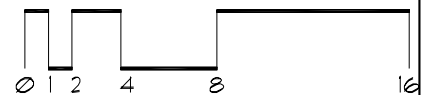
- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - + FALL PROTECTION



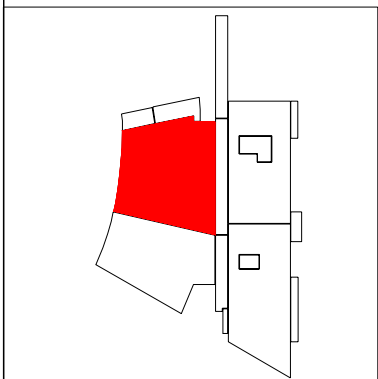
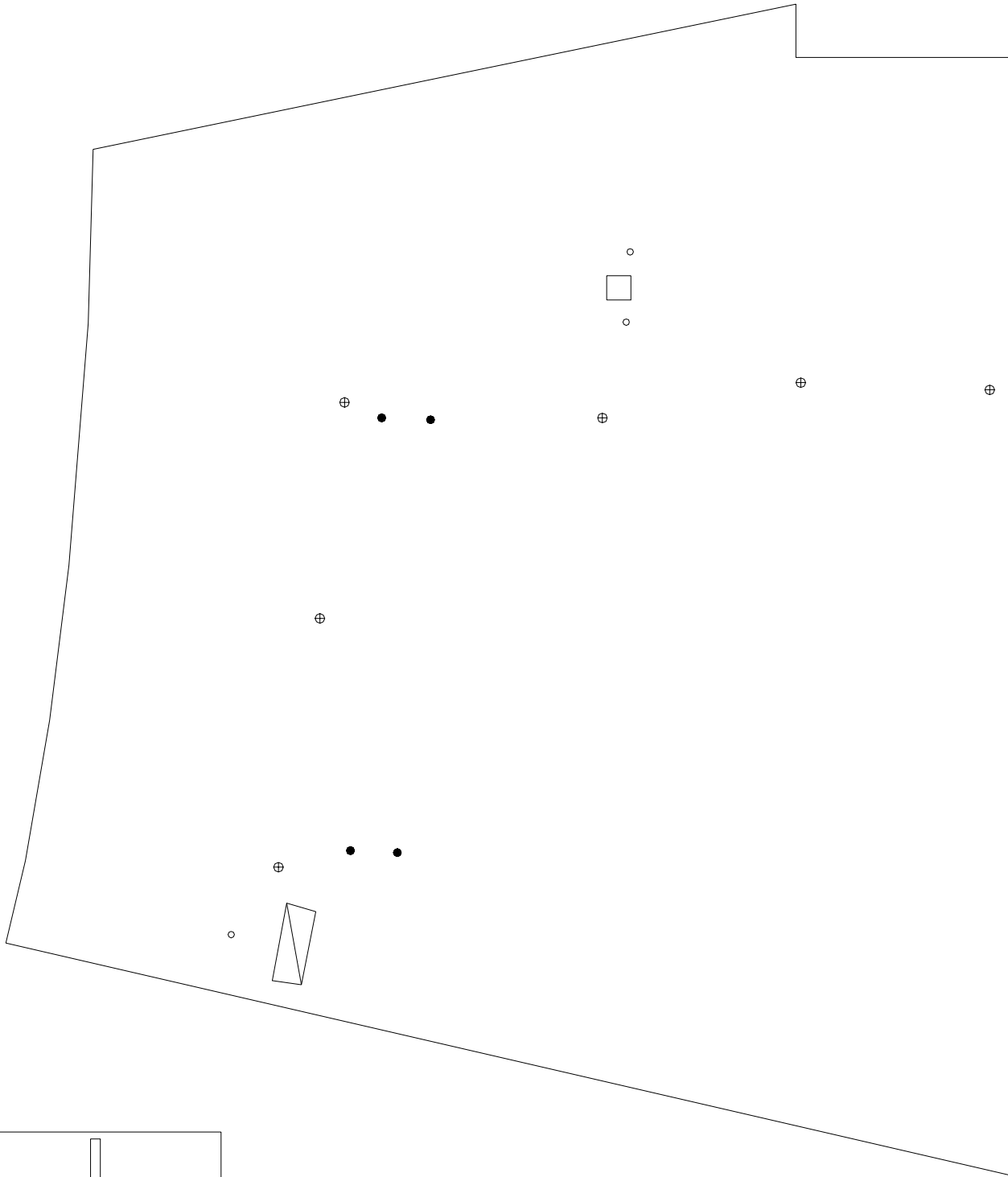
Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN

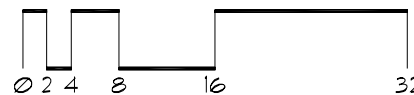


Roof Corrective Action

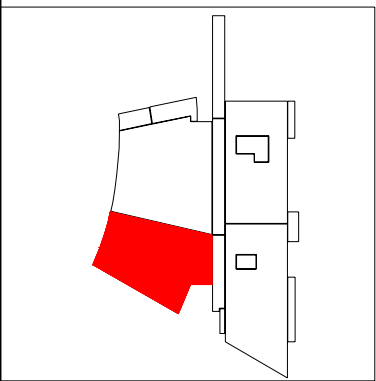
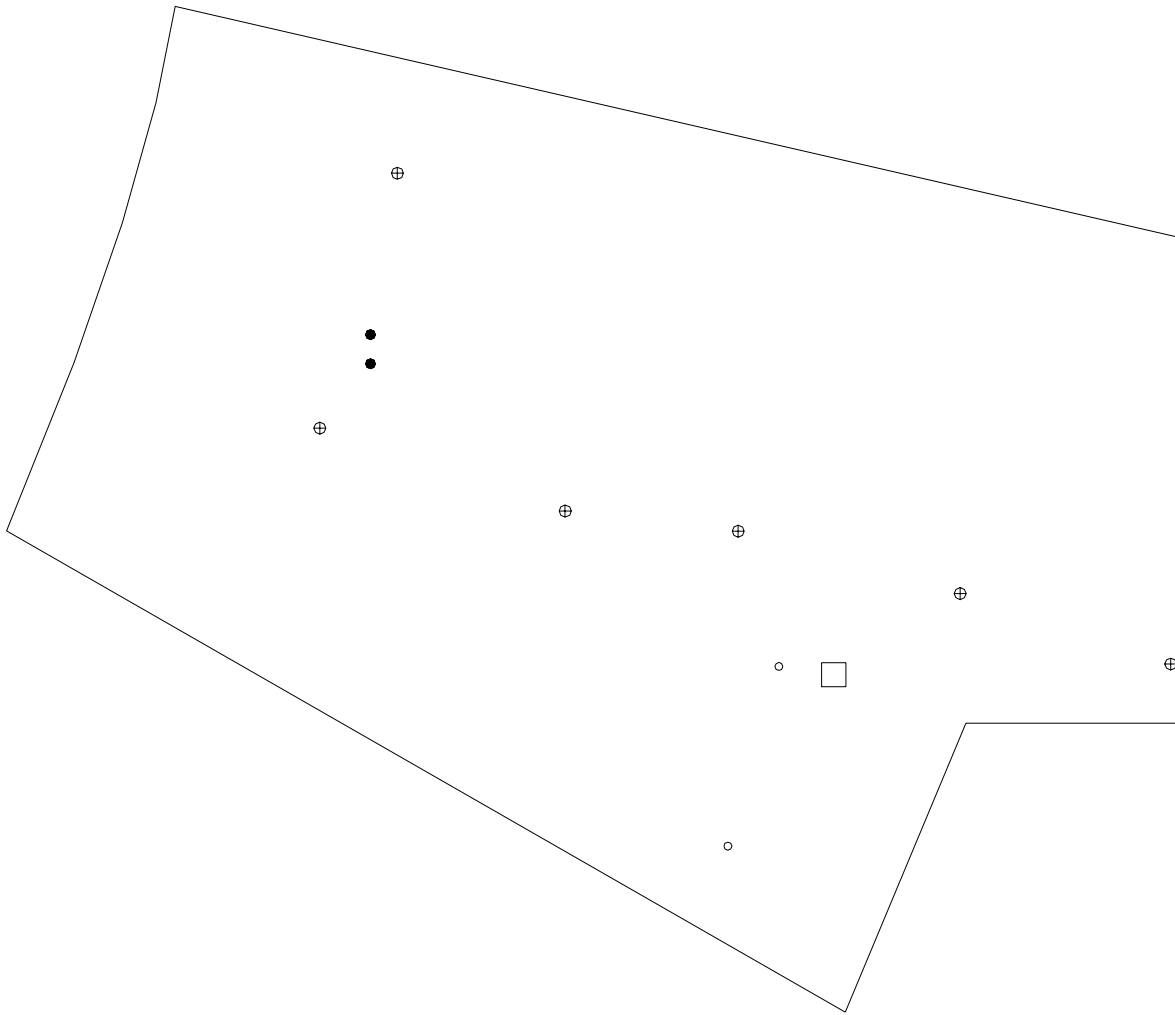


SYMBOLS KEY

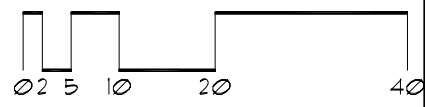
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊕ FLASHED PEN.



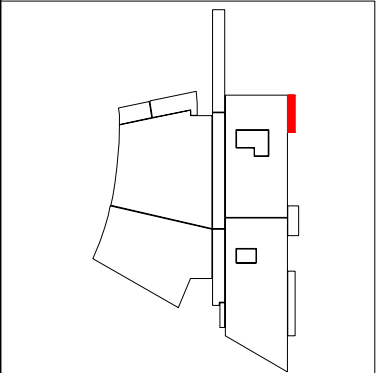
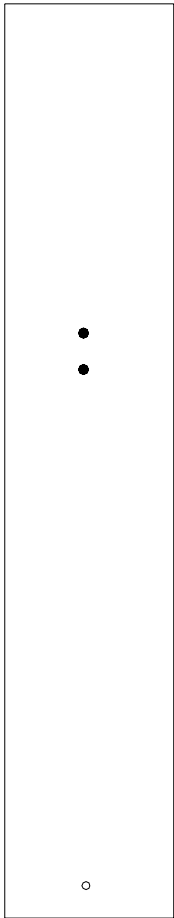
Roof Corrective Action



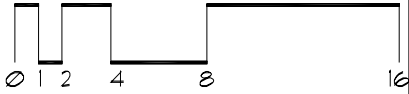
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ⊕ FLASHED PEN.



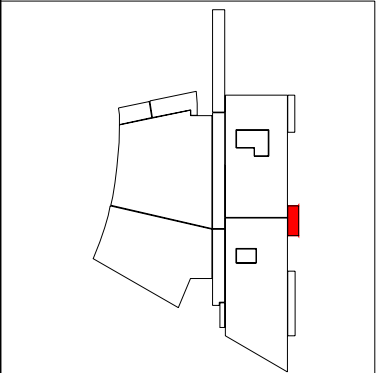
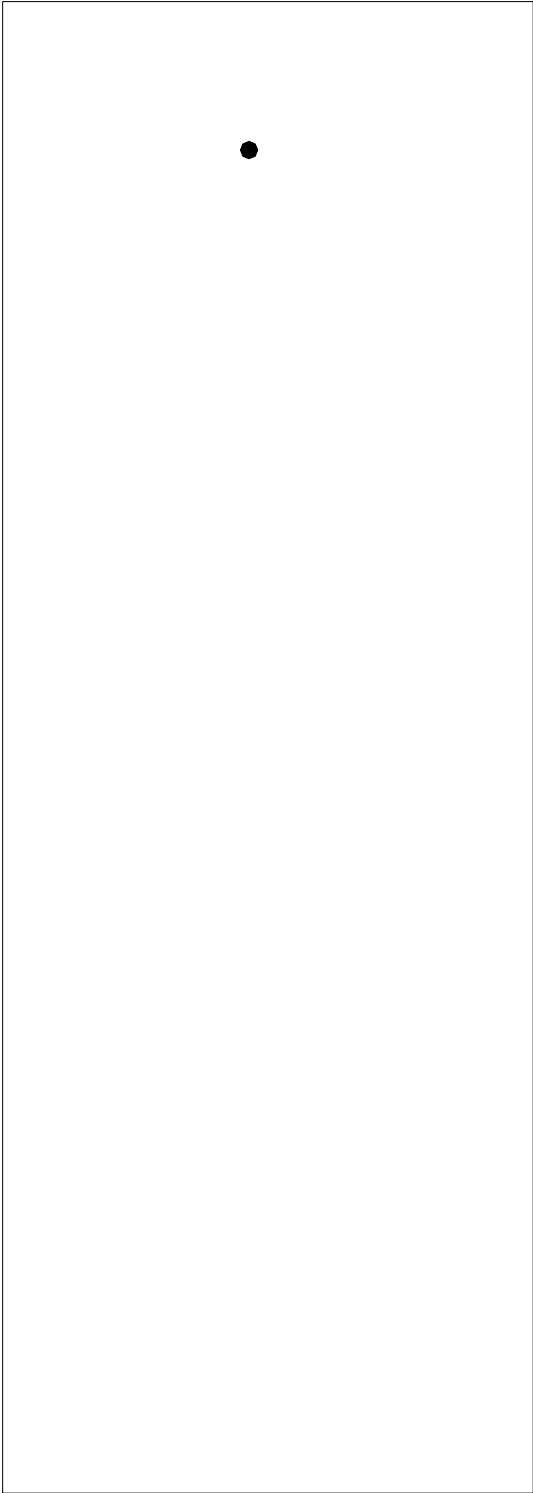
Roof Corrective Action



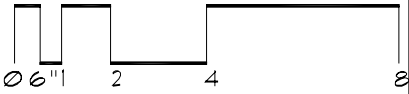
SYMBOLS KEY
● ROOF DRAIN
○ VENT STACK



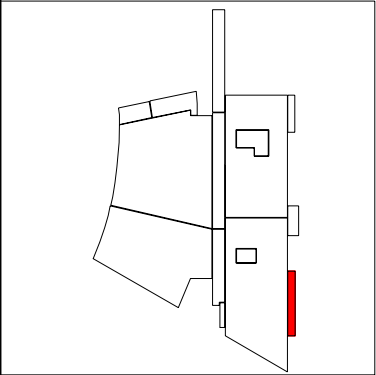
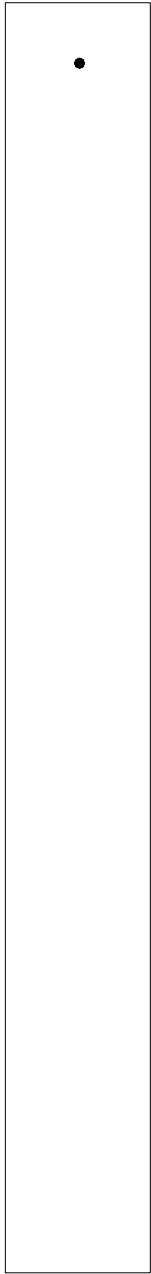
Roof Corrective Action



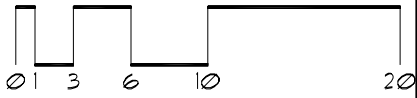
SYMBOLS KEY
• ROOF DRAIN



Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN

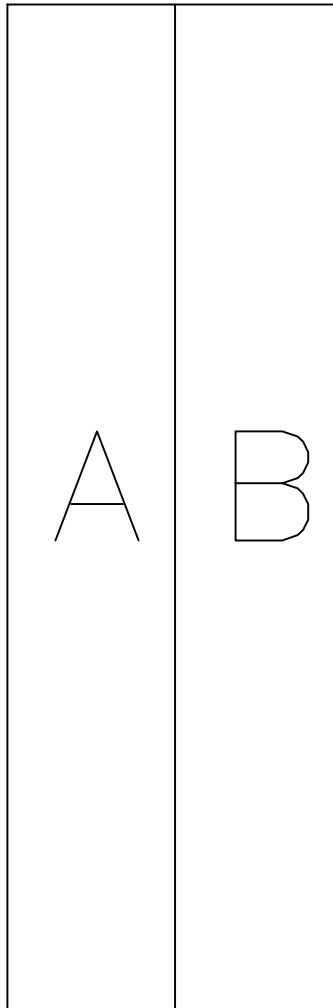


Roof ID

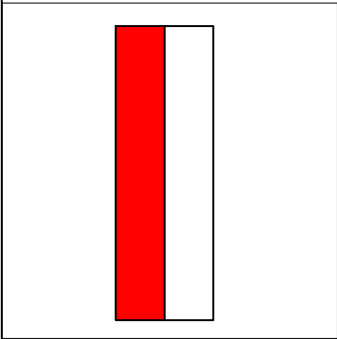
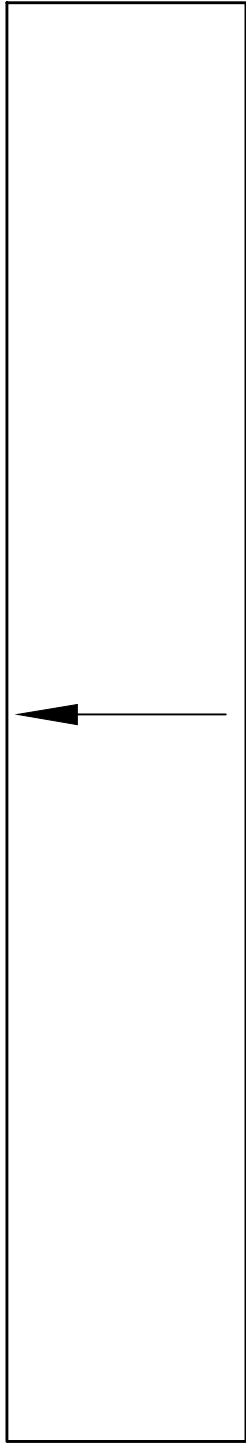
Building: 01.264 - Pump Station - (237 21st Avenue South)
Roof Access: Ladder

Total SF: 300 sf

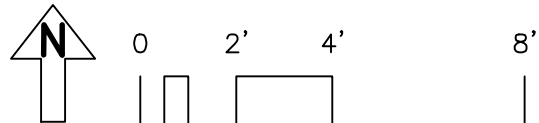
A: 150 sf
B: 150 sf



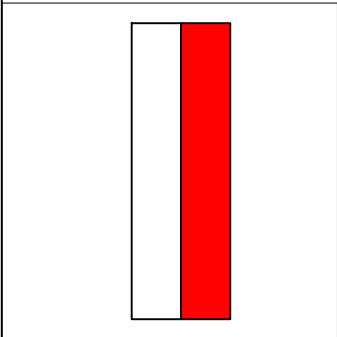
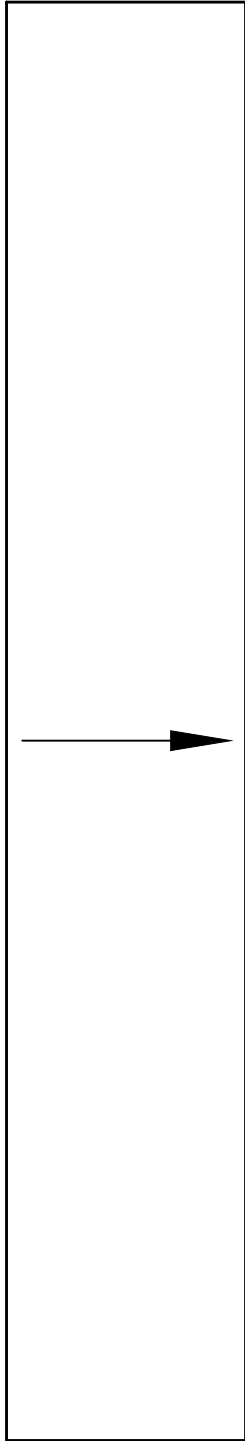
Roof Corrective Action



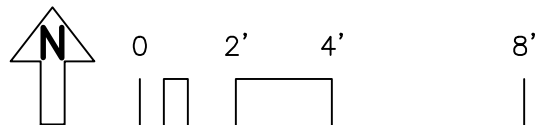
SYMBOLS KEY
→ SLOPE DIRECTION



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION



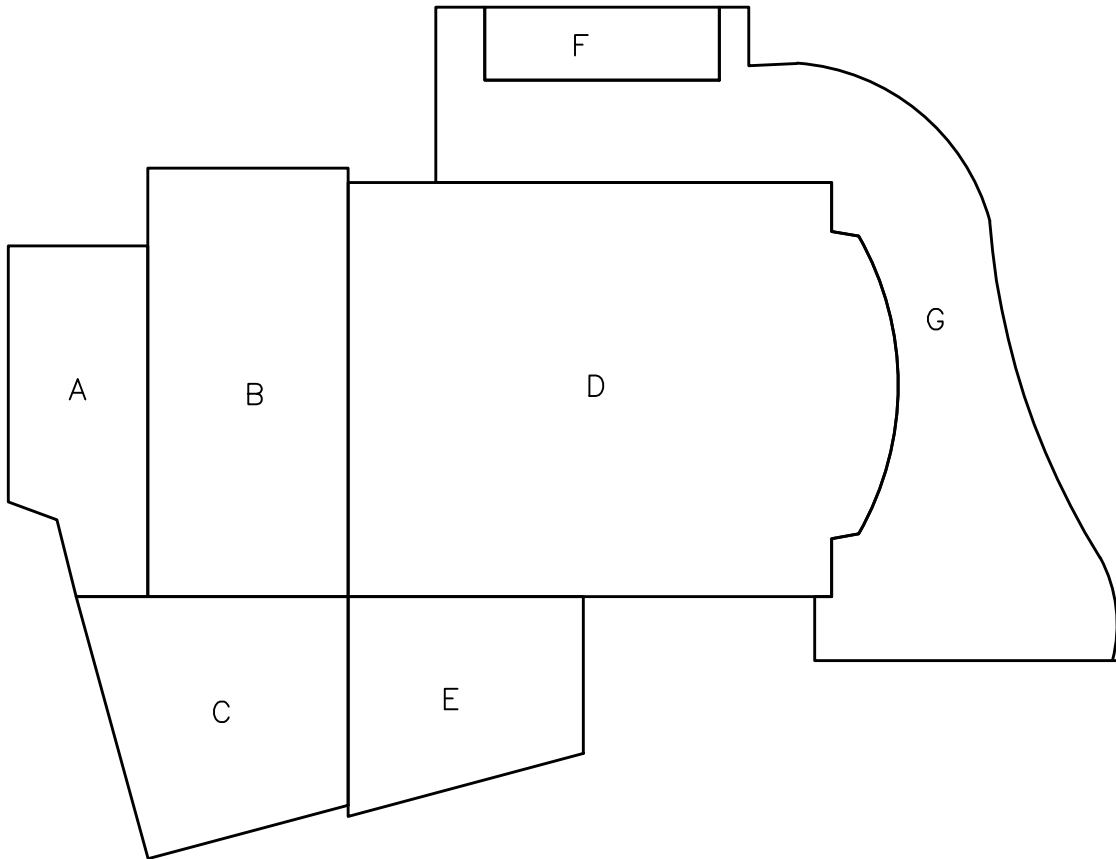
Roof ID

Building: 01.273 - Ted Mann Theatre- (2128 4th Street S Minneapolis)

Roof Access: West stair to roof D-E; stair to F-G; Black stair onstage, cross to grates for Roof B

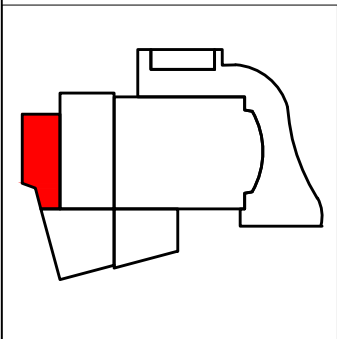
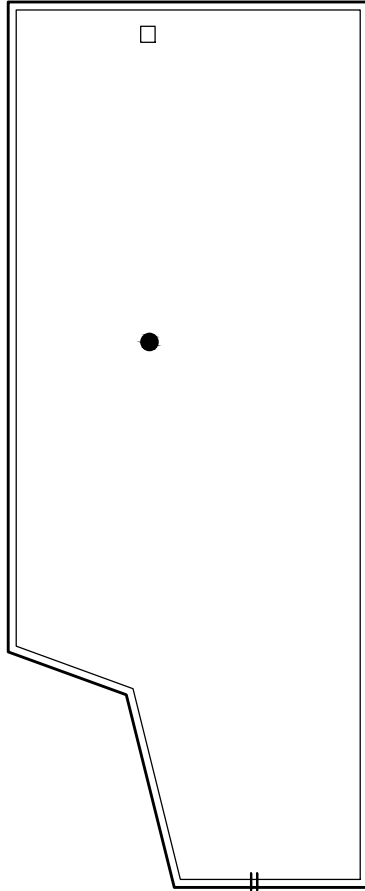
Total SF: 26,361 sf

A:	<u>1,941 sf</u>
B:	<u>3,738 sf</u>
C:	<u>2,467 sf</u>
D:	<u>9,260 sf</u>
E:	<u>1,945 sf</u>
F:	<u>784 sf</u>
G:	<u>6,226 sf</u>

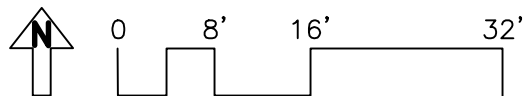


SYMBOLS KEY

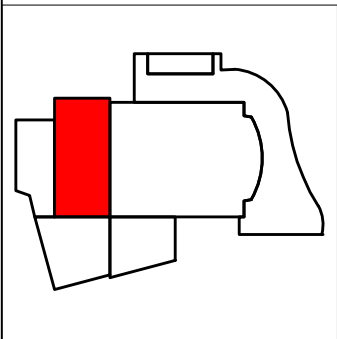
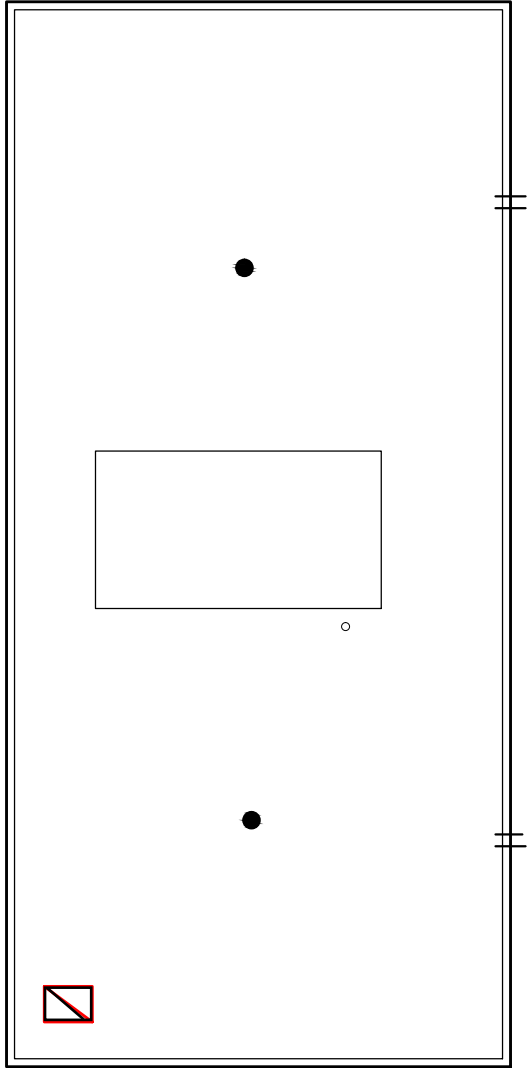
Roof Corrective Action



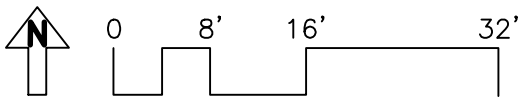
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
⦚	SCUPPER



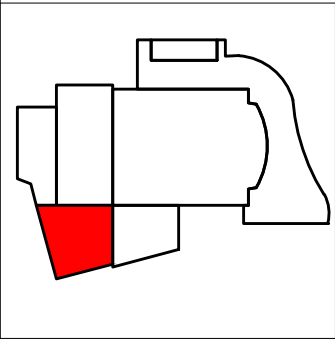
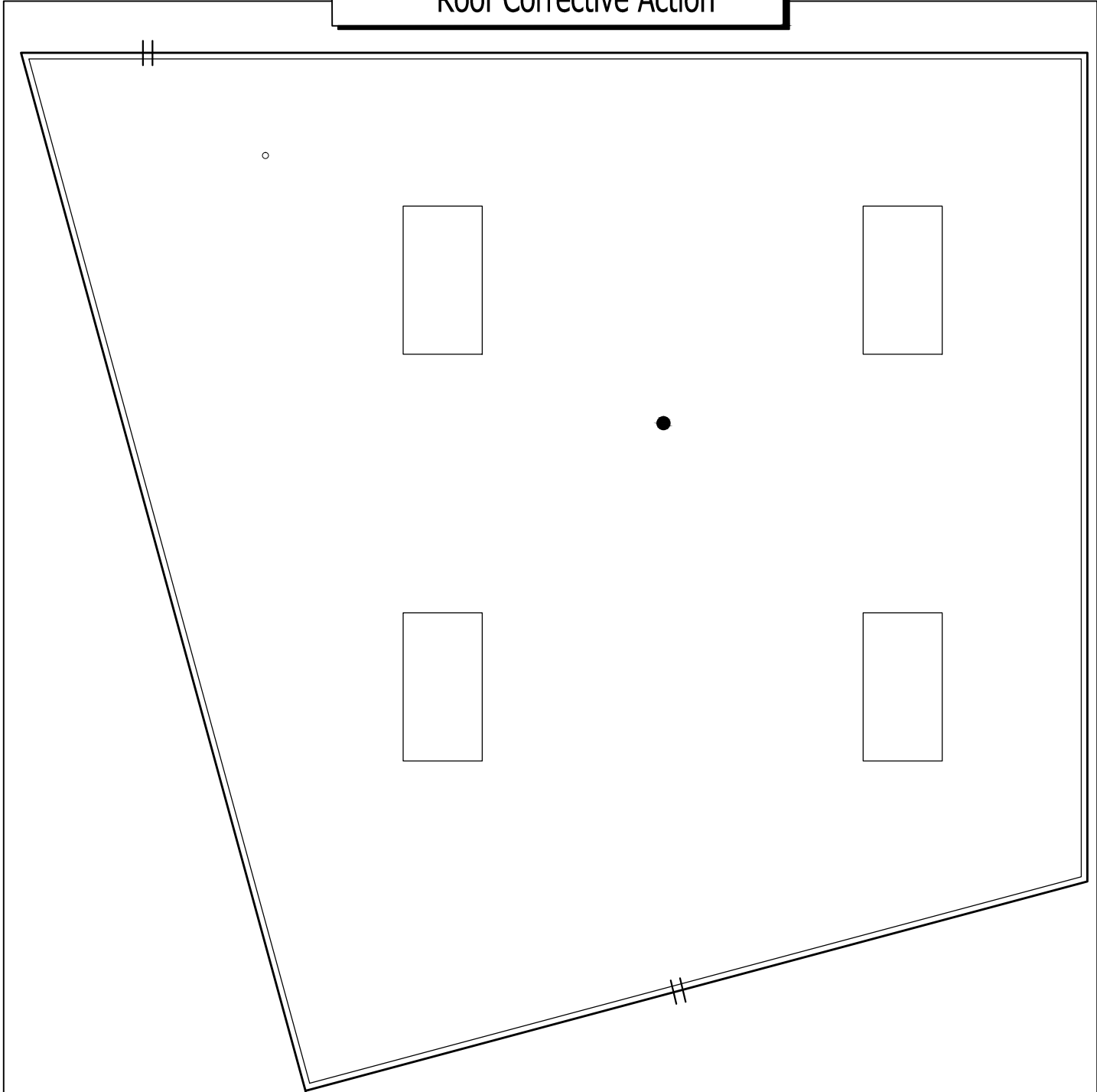
Roof Corrective Action



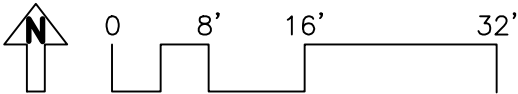
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
⊕	SCUPPER
○	VENT
⊠	ROOF HATCH



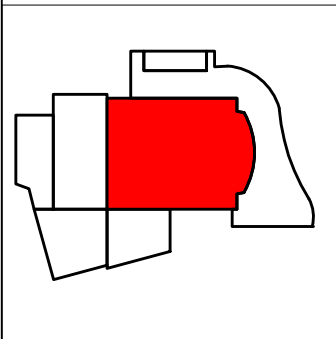
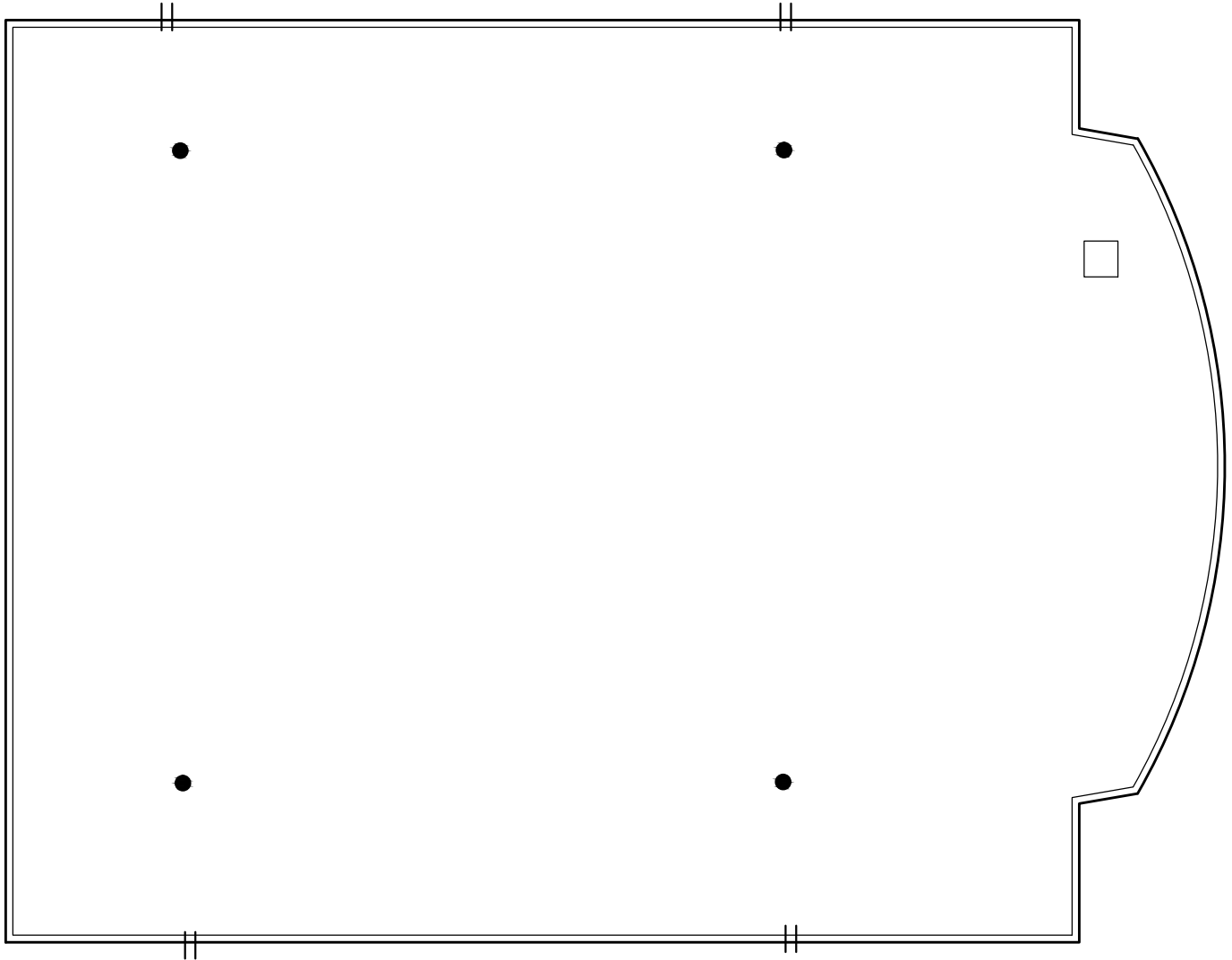
Roof Corrective Action



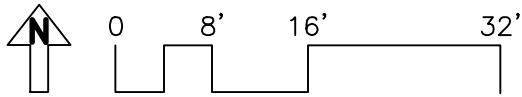
SYMBOLS KEY	
●	ROOF DRAIN
≡	SCUPPER
○	VENT



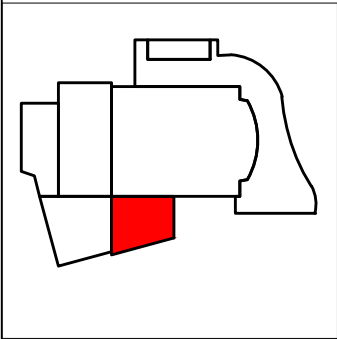
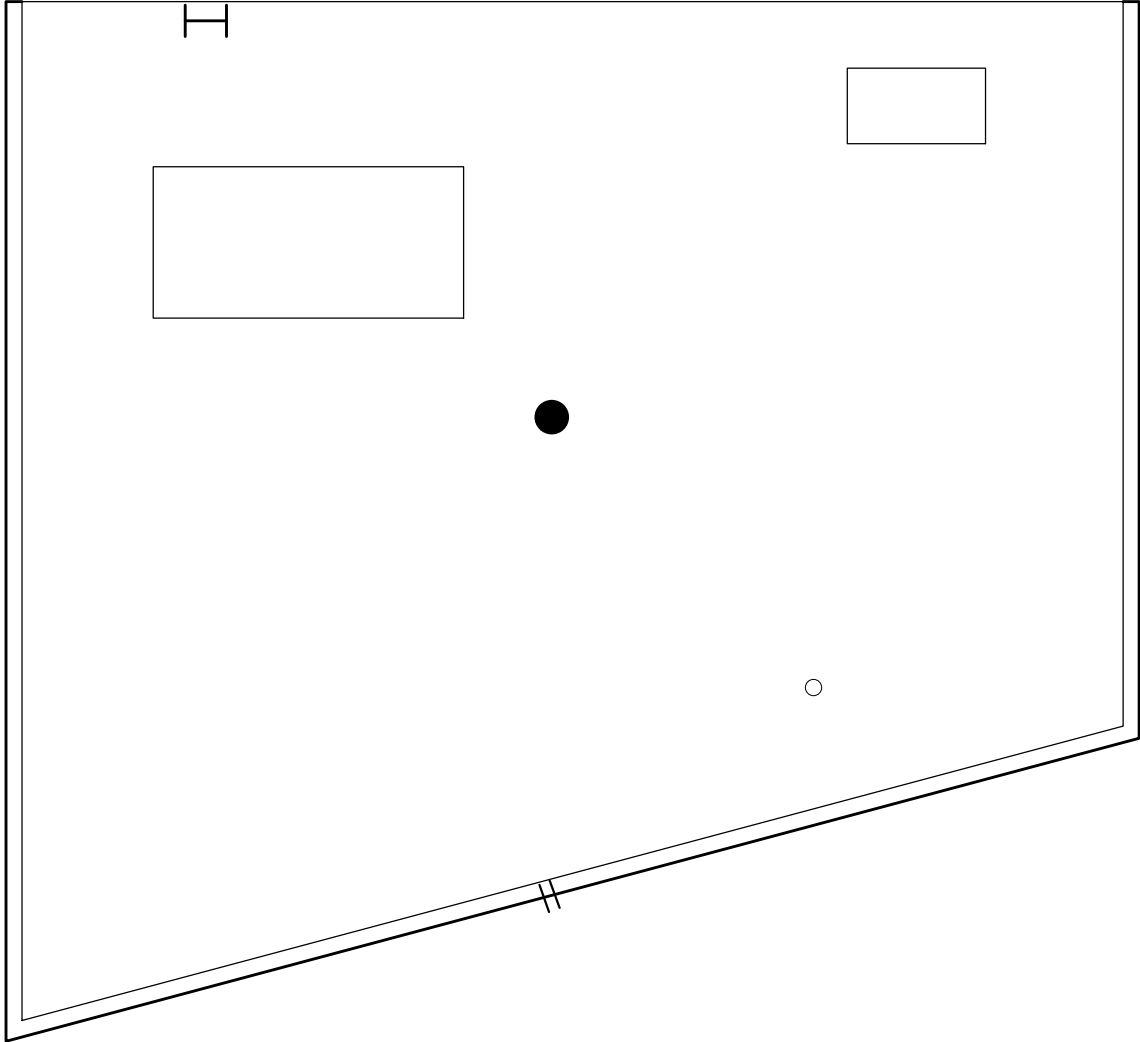
Roof Corrective Action



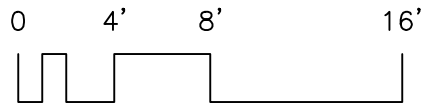
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
	SCUPPER



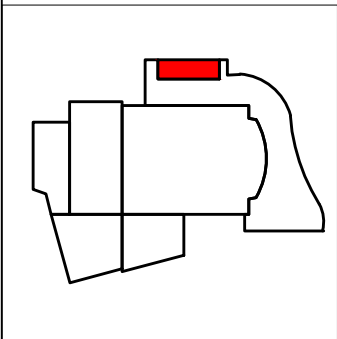
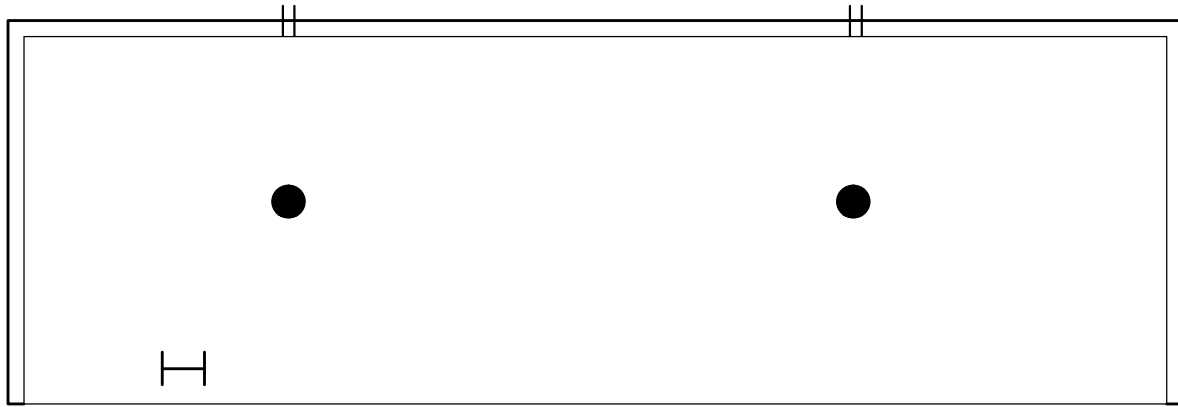
Roof Corrective Action



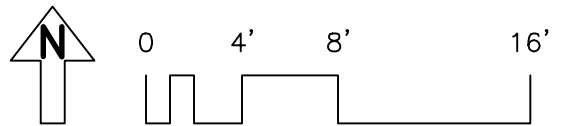
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
†	SCUPPER
TT	SHIPSLADDER
○	VENT



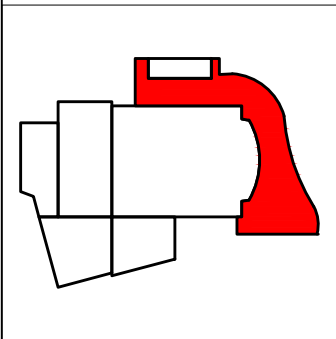
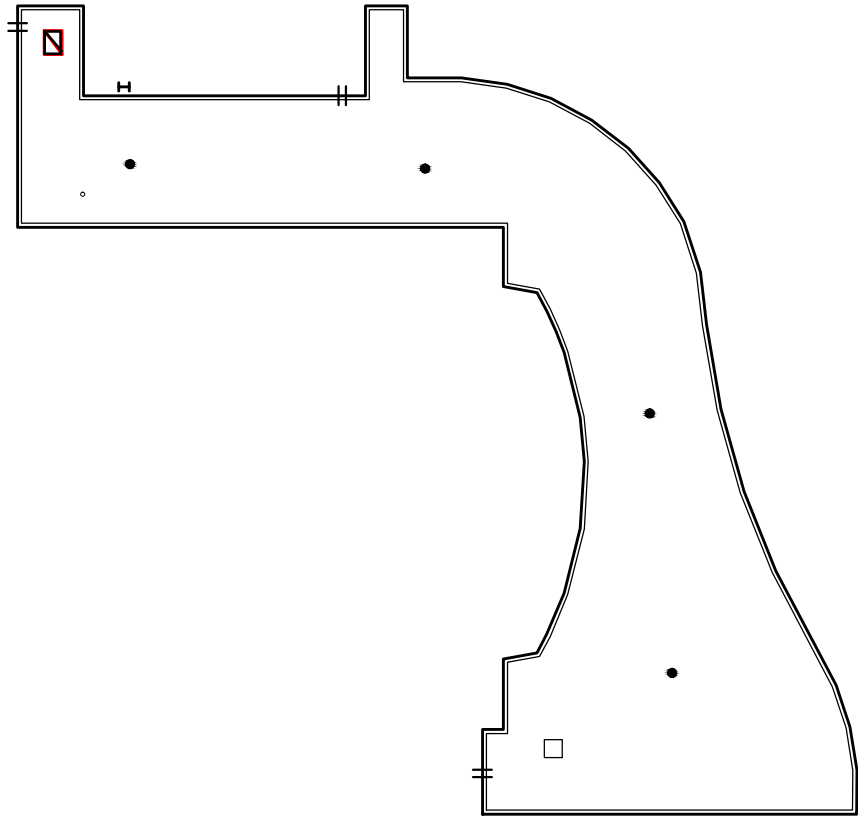
Roof Corrective Action



SYMBOLS KEY	
●	ROOF DRAIN
H	SCUPPER
TT	SHIPSLADDER

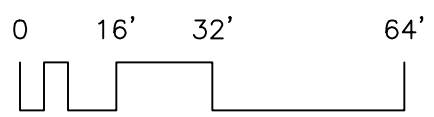


Roof Corrective Action



SYMBOLS KEY

□	ROOF CURB
●	ROOF DRAIN
≡	SCUPPER
TT	SHIPLADDER
○	VENT
◻	ROOF HATCH



Roof ID

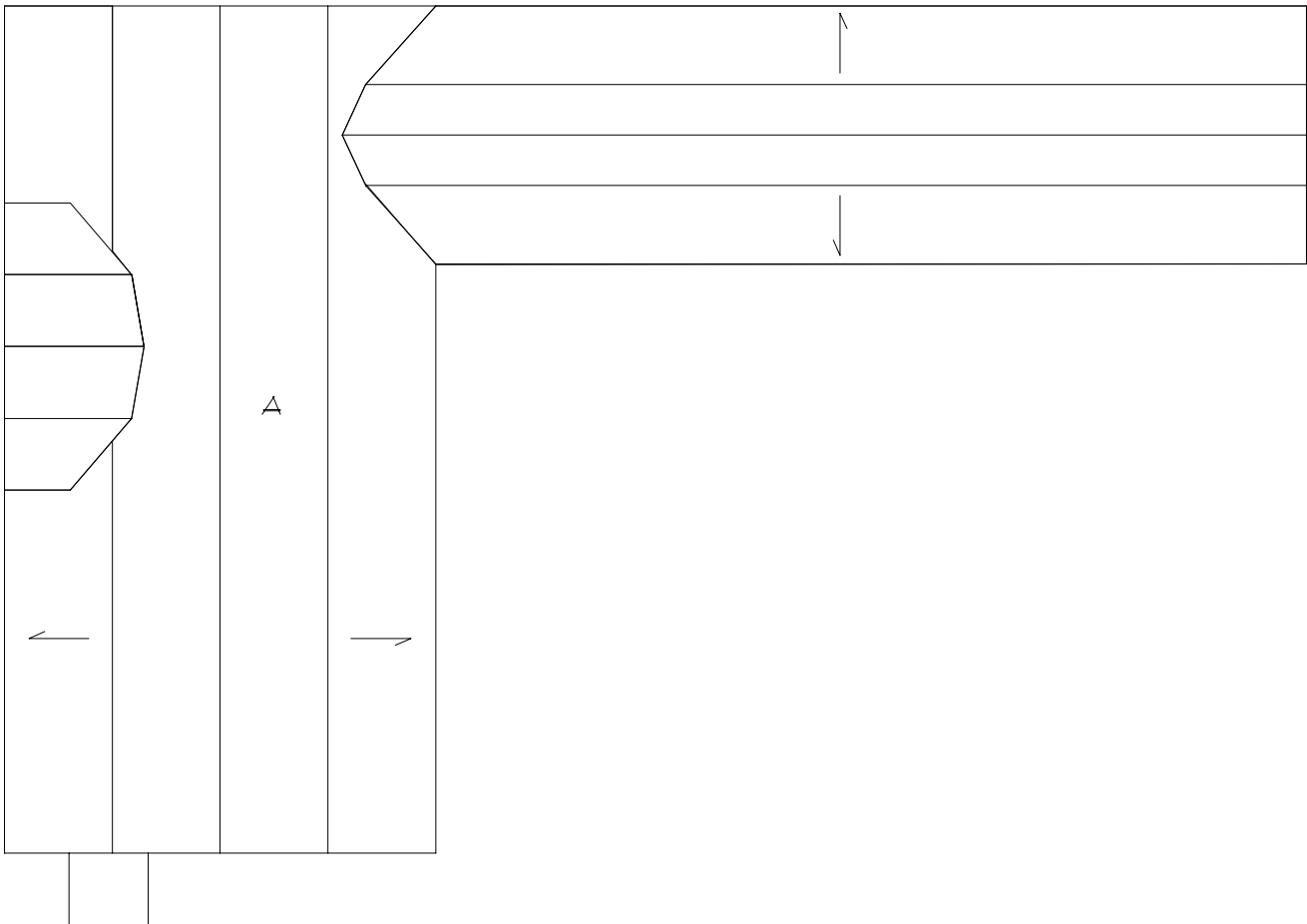
Building: SP302 - Beef Cattle Barn - (1920 Buford Place)

Roof Access: Ladder

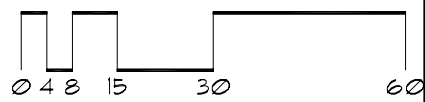
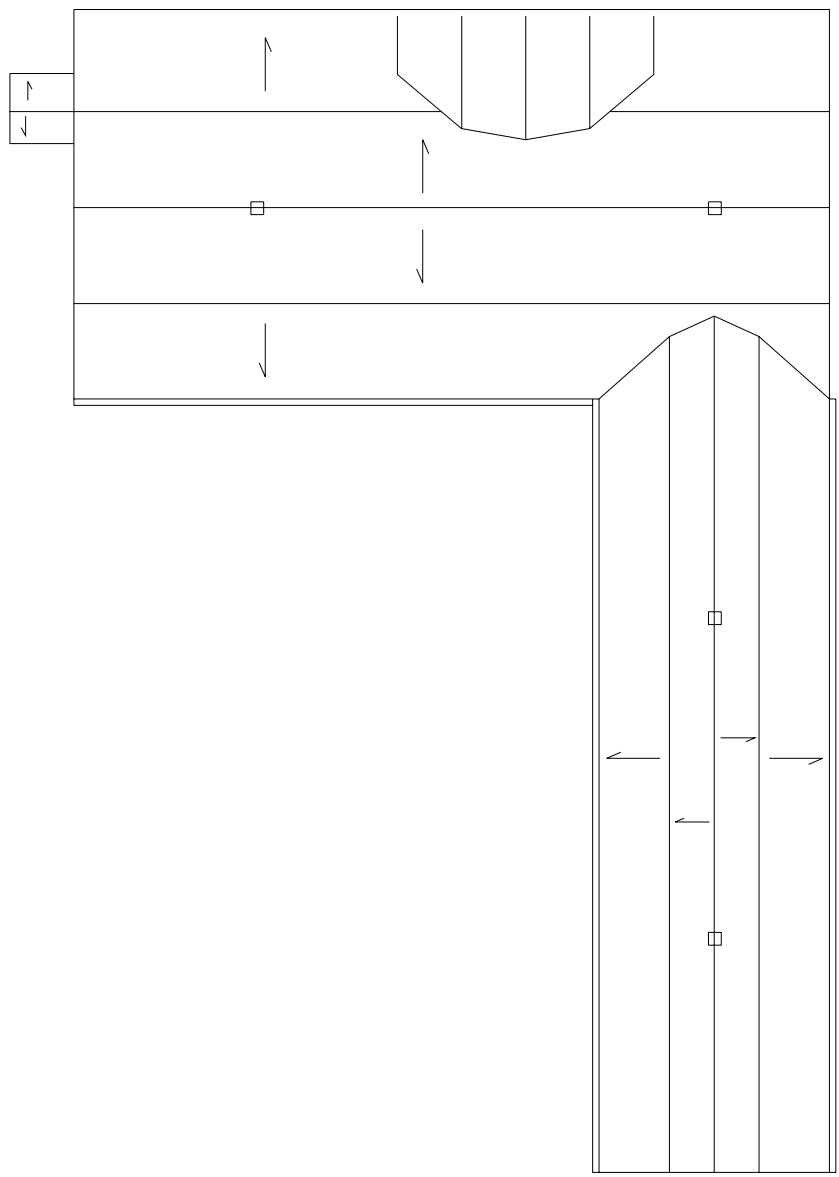
Total Area: 16,720 sf

A 16,720 sf

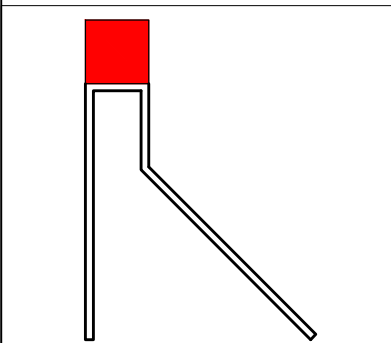
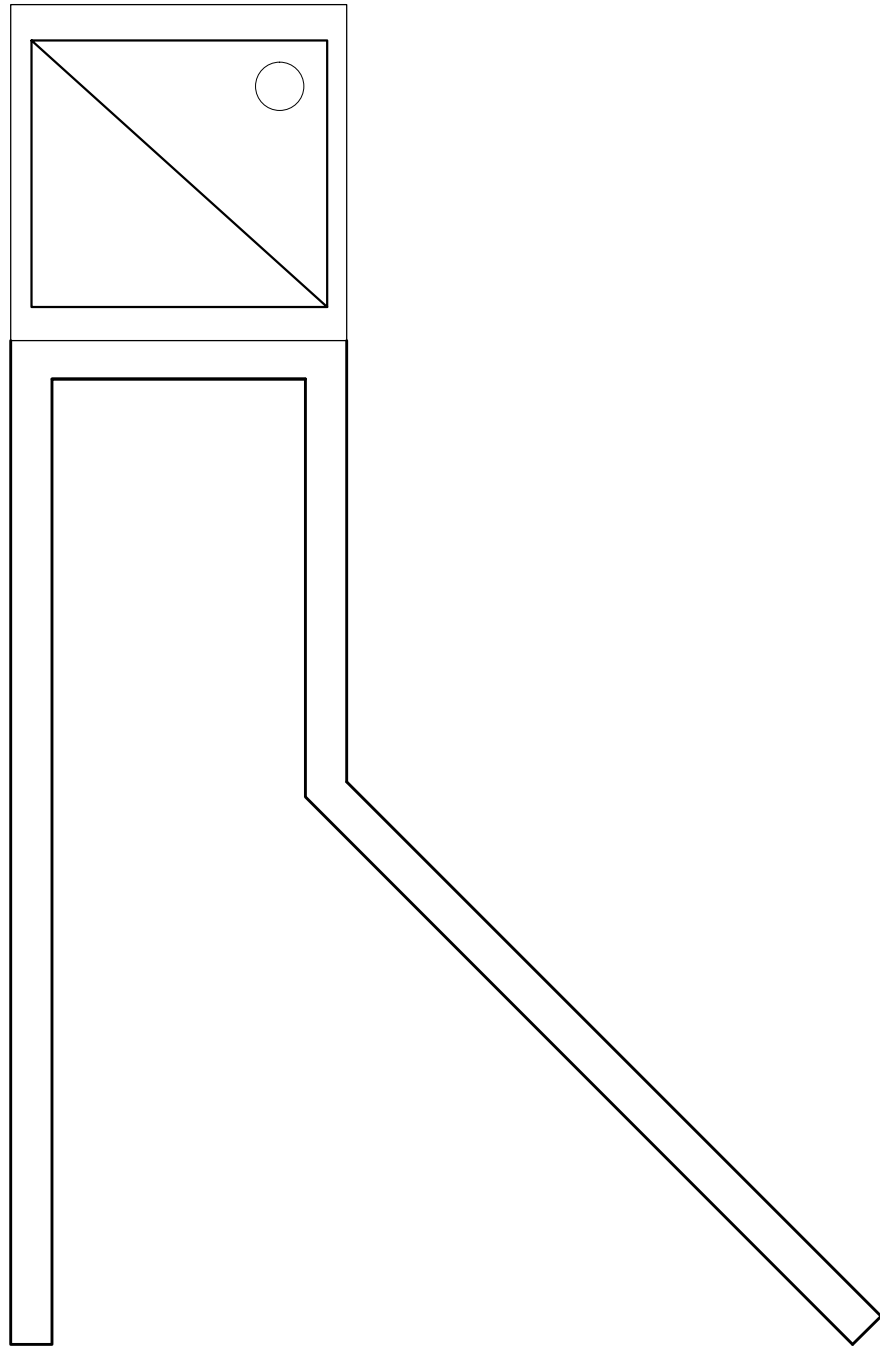
SYMBOLS KEY



Roof Corrective Action

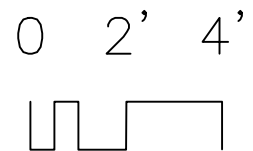


Roof Corrective Action



SYMBOLS KEY

- VENT
- ▣ ROOF HATCH



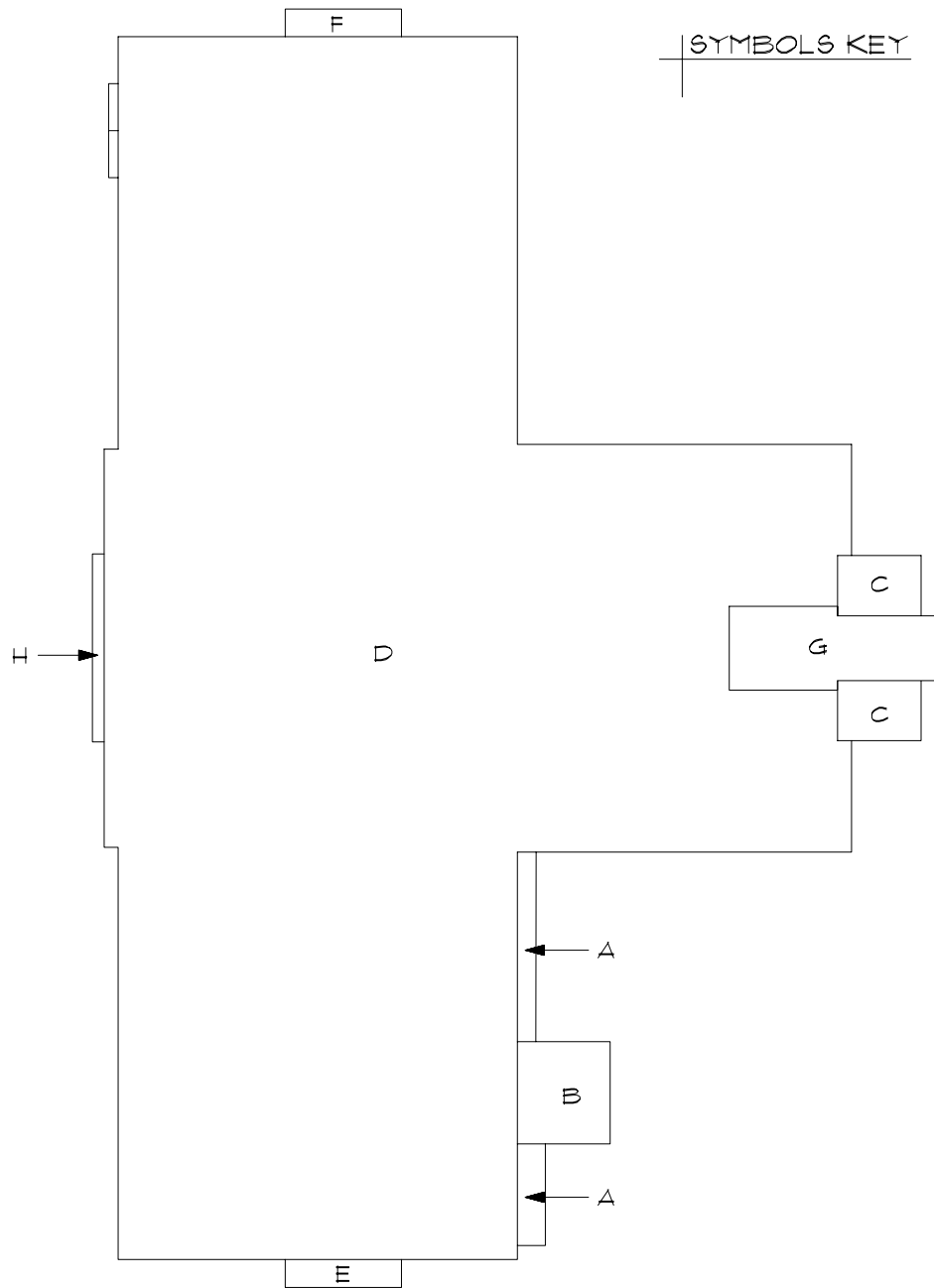
Roof ID

Building: SP322 - Coffey Hall - (1420 Eckles Ave., St. Paul)

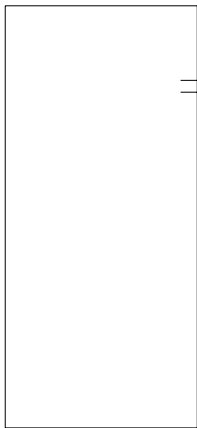
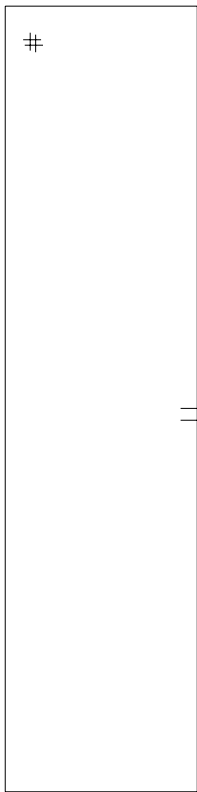
Roof Access: Manlift (No access to areas E & F)

Total Area: 32,644 sf

<u>A</u>	<u>630 sf</u>	<u>E</u>	<u>375 sf</u>
<u>B</u>	<u>441 sf</u>	<u>F</u>	<u>300 sf</u>
<u>C</u>	<u>468 sf</u>	<u>G</u>	<u>620 sf</u>
<u>D</u>	<u>29,710 sf</u>	<u>H</u>	<u>100 sf</u>

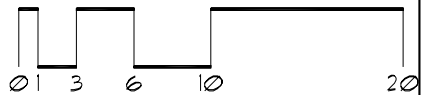
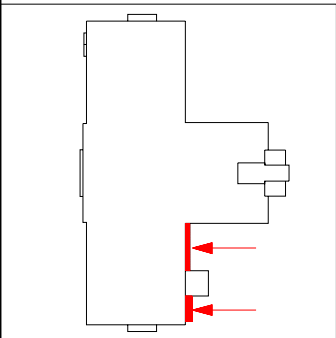


Roof Corrective Action

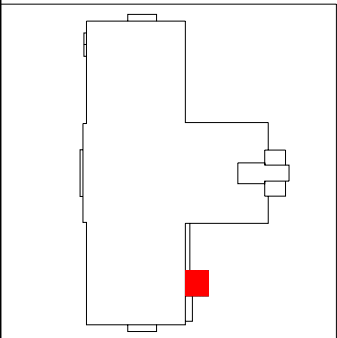
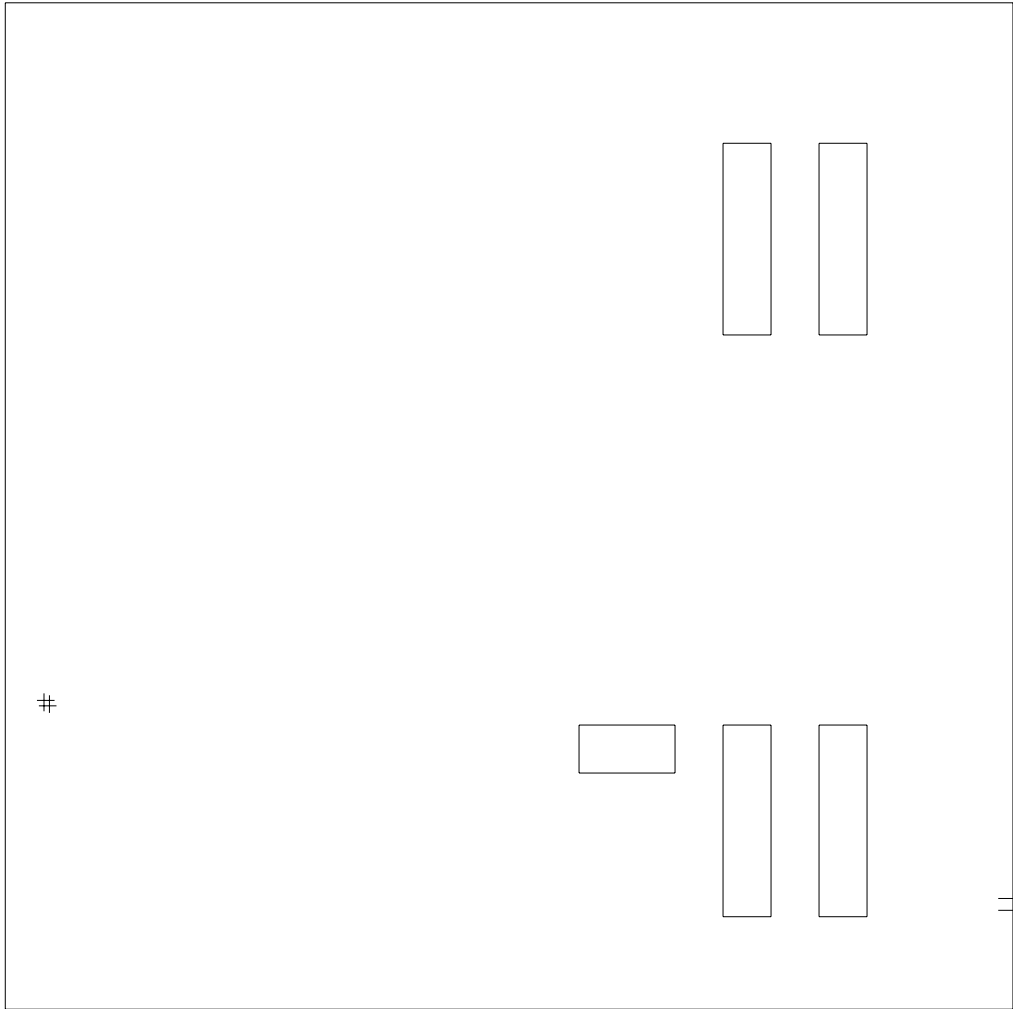


SYMBOLS KEY

- || SCUPPER
- # FITCH PAN
- ⊖ DEFECT-NO REPAIR
- ⊕ DEFECT-REPAIR

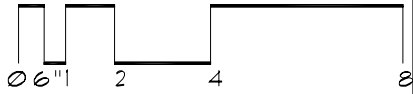


Roof Corrective Action

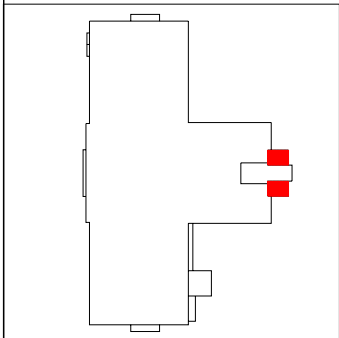
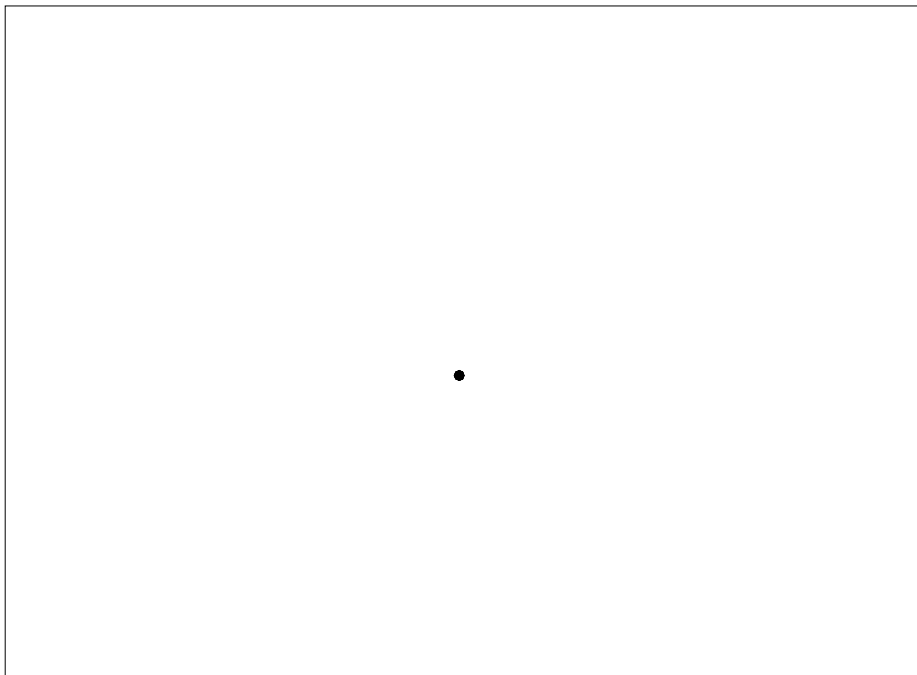
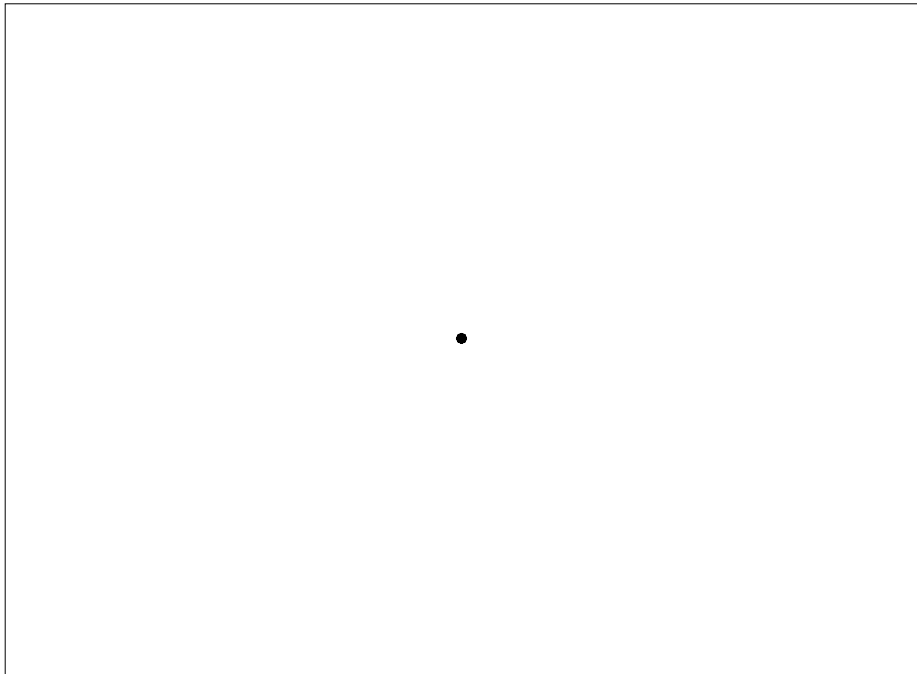


SYMBOLS KEY

□	ROOF CURB
+	SCUPPER
#	PITCH PAN
I	LADDER
Ⓢ	DEFECT-REPAIR

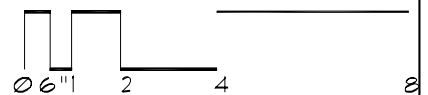


Roof Corrective Action

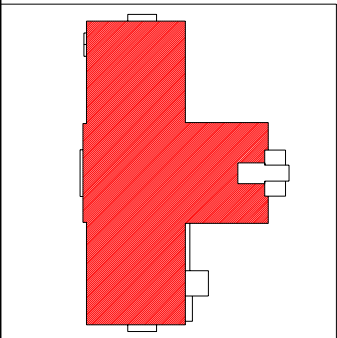
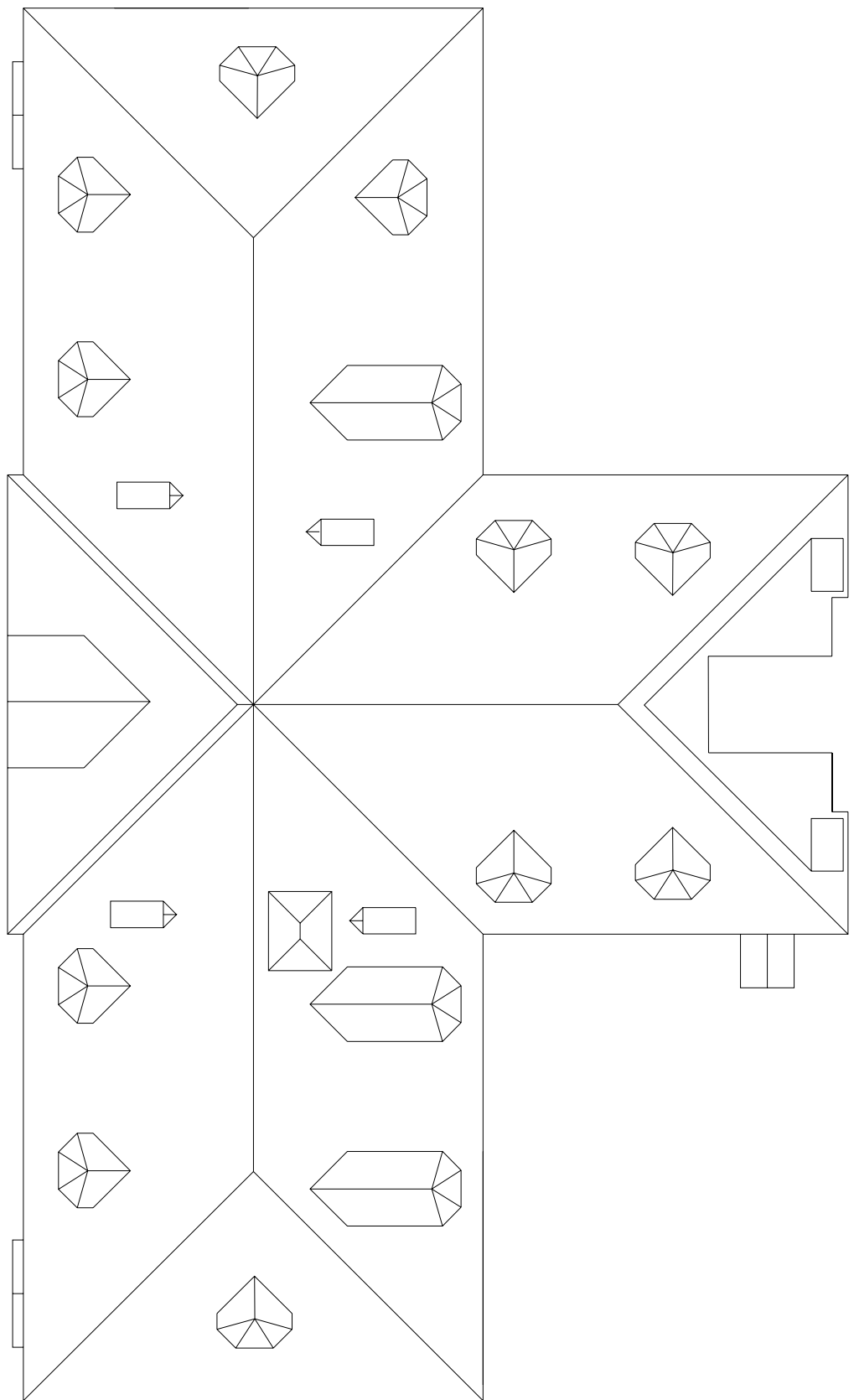


SYMBOLS KEY

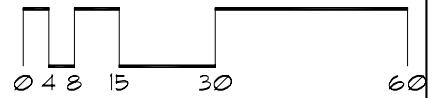
- ROOF DRAIN
- ⓪ DEFECT-NO REPAIR
- Ⓢ DEFECT-REPAIR



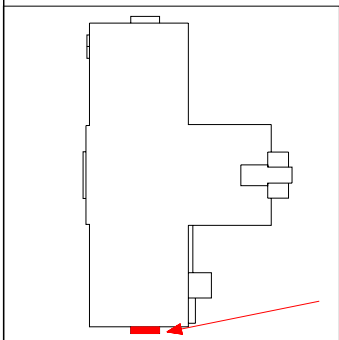
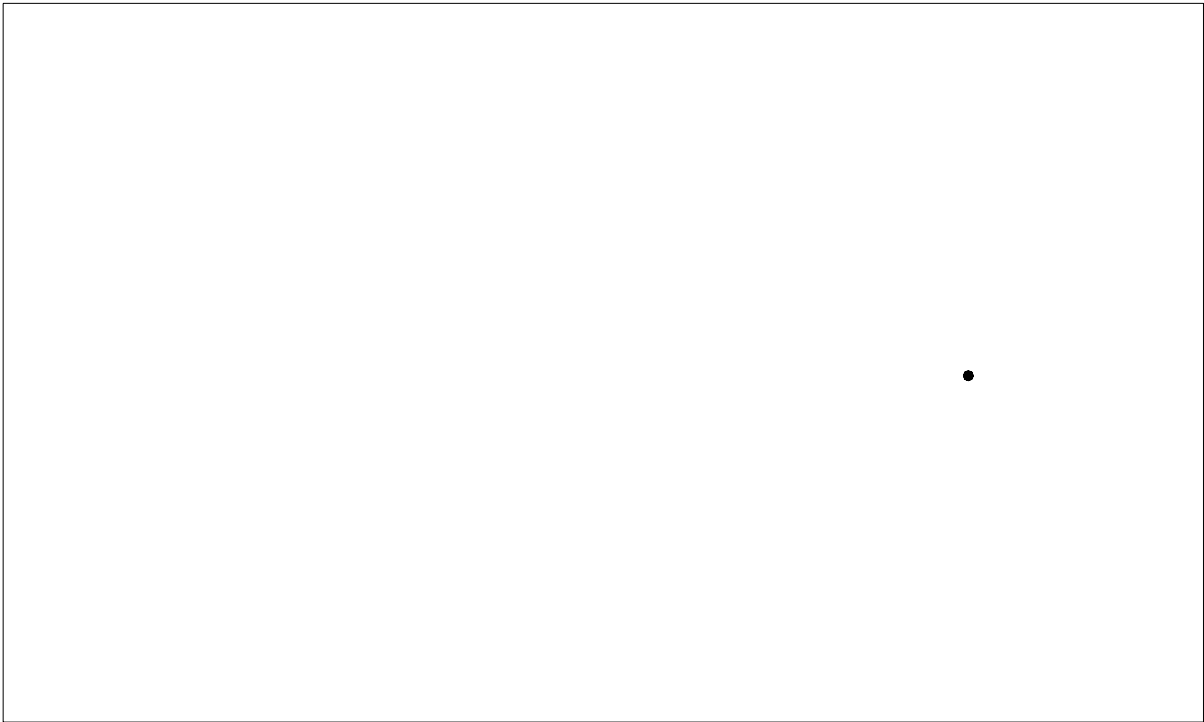
Roof Corrective Action



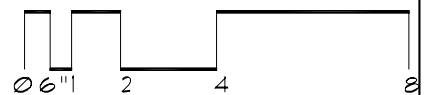
SYMBOLS KEY
① DEFECT-REPAIR



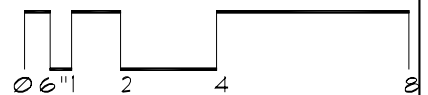
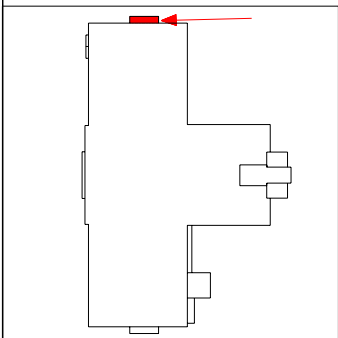
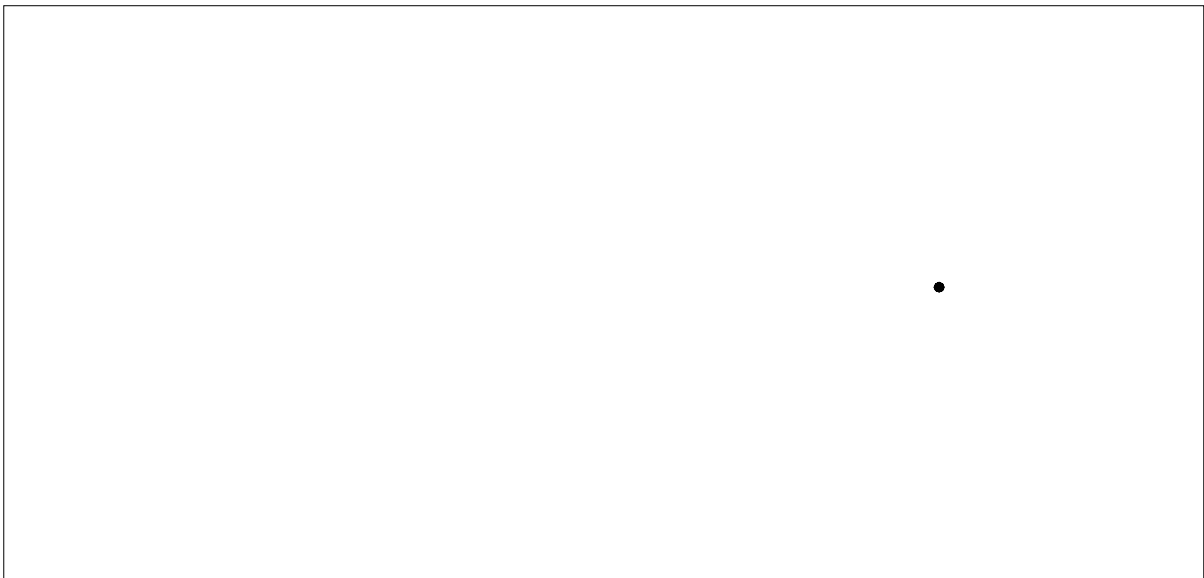
Roof Corrective Action



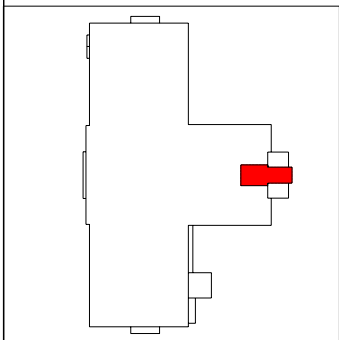
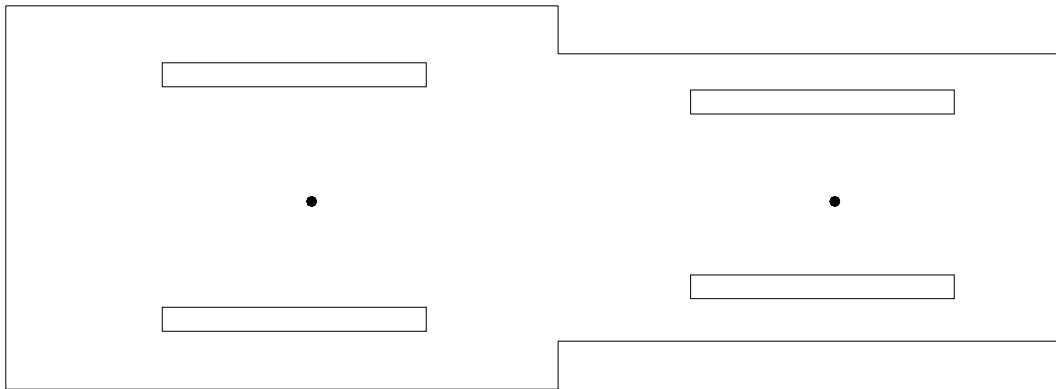
SYMBOLS KEY
● ROOF DRAIN
① DEFECT-NO REPAIR



Roof Corrective Action

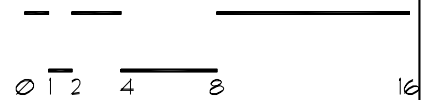


Roof Corrective Action

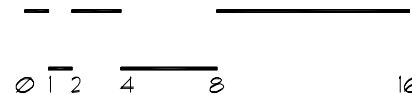
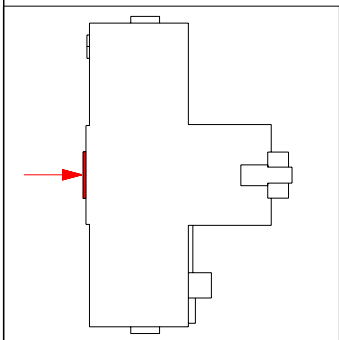


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- ① DEFECT-NO REPAIR



Roof Corrective Action



Roof ID

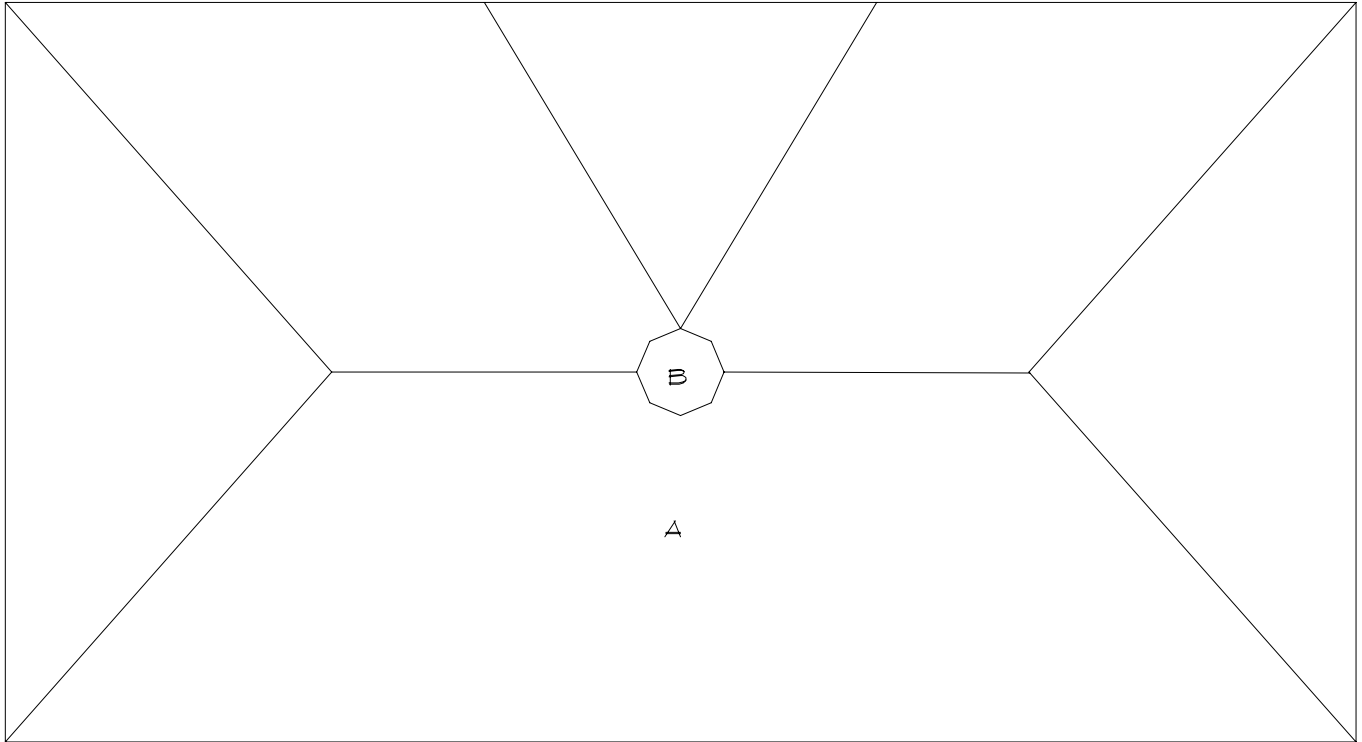
Building: SP326 - Dairy Cattle Barn - (1964 Fitch Ave)

Roof Access: Ladder

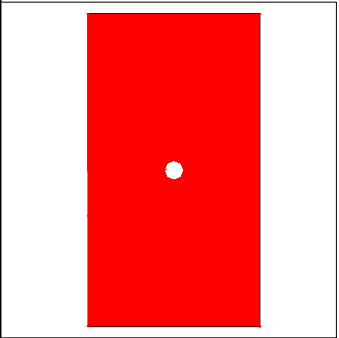
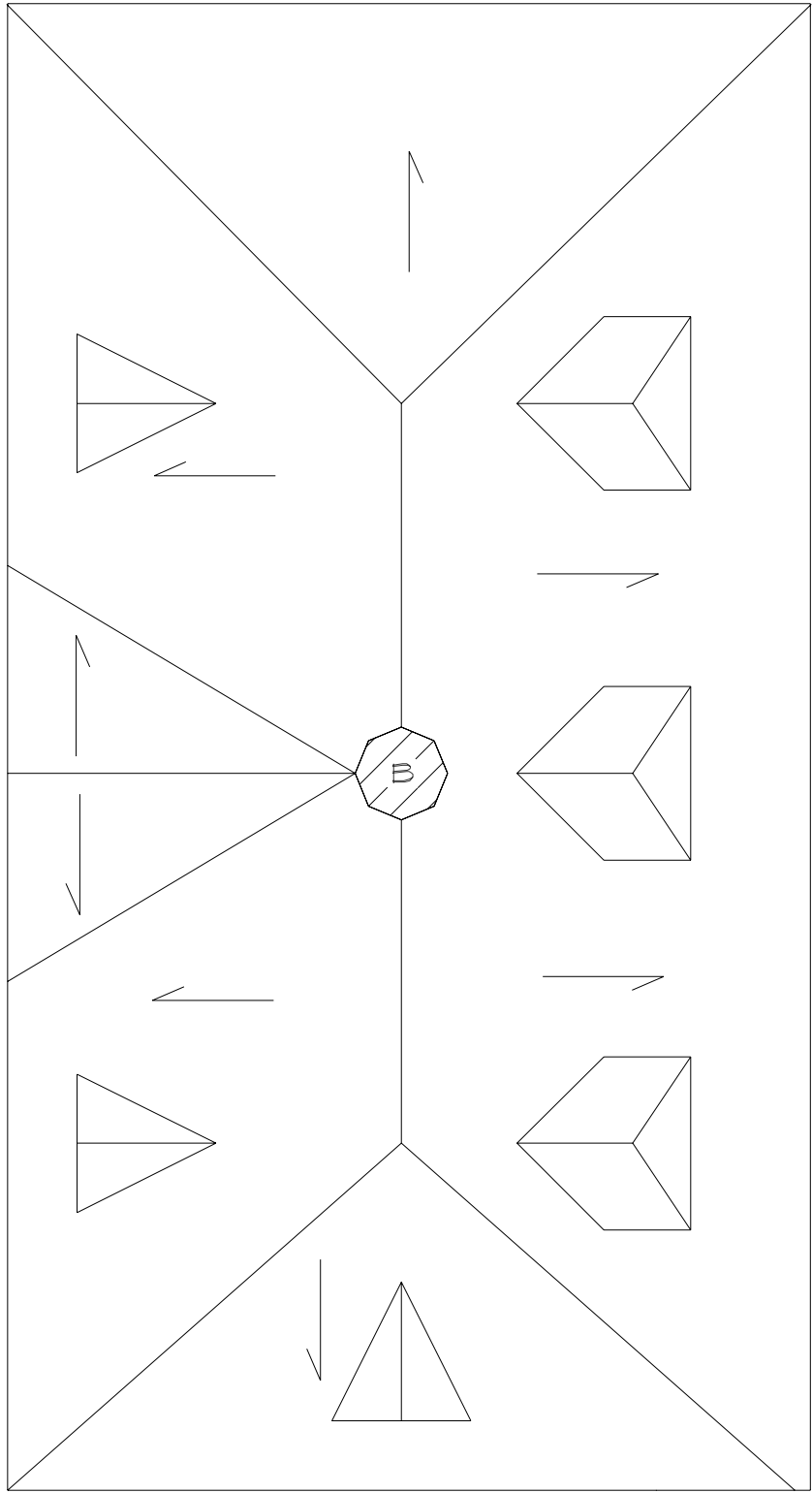
Total Area: 9,260 sf

A 9,160 sf

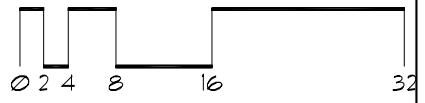
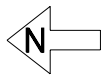
B 100 sf



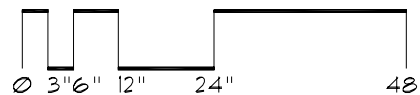
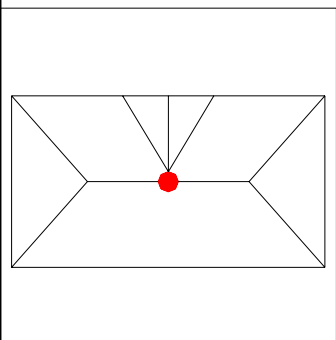
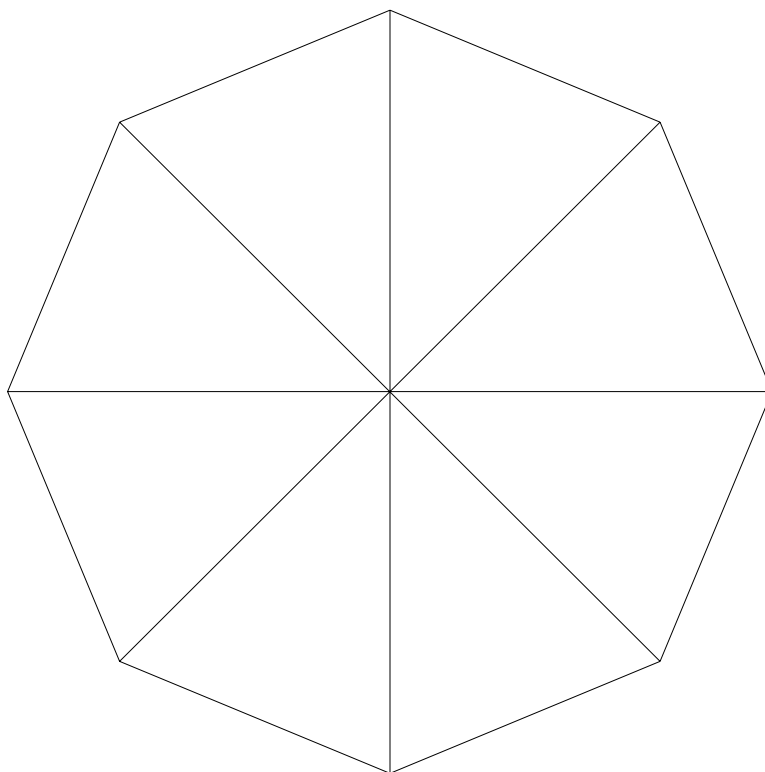
Roof Corrective Action



SYMBOLS KEY
|> SLOPE DIRECTION



Roof Corrective Action



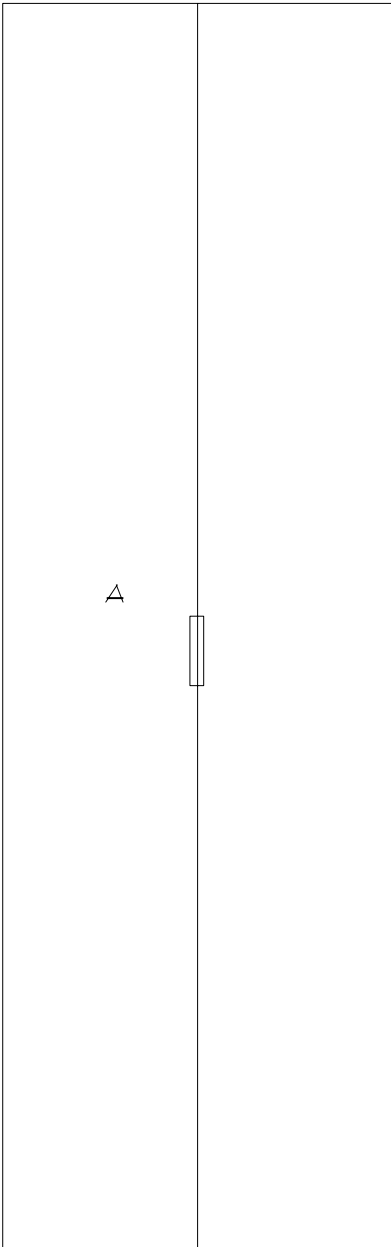
Roof ID

Building: SP332 - Cattle Feeding Shed - (1894 Buford Ave)

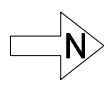
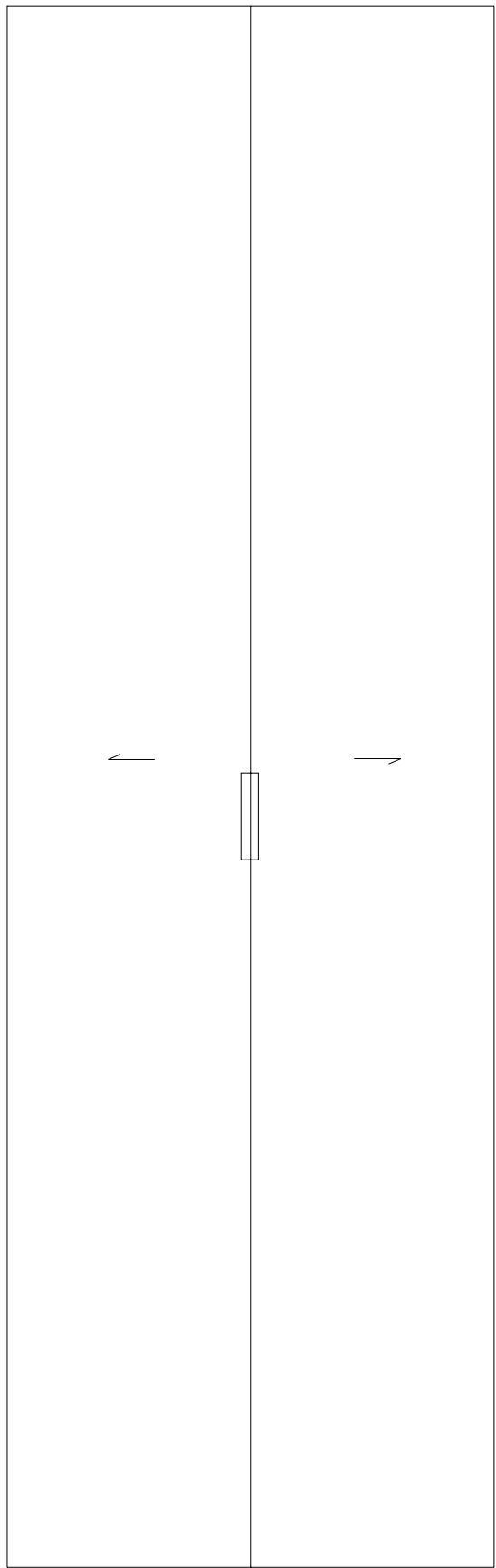
Roof Access: Ladder

Total Area: 10,382 sf

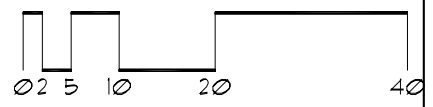
A 10,382 sf



Roof Corrective Action



SYMBOLS KEY	
①	DEFECT-REPAIR
➔	SLOPE DIRECTION



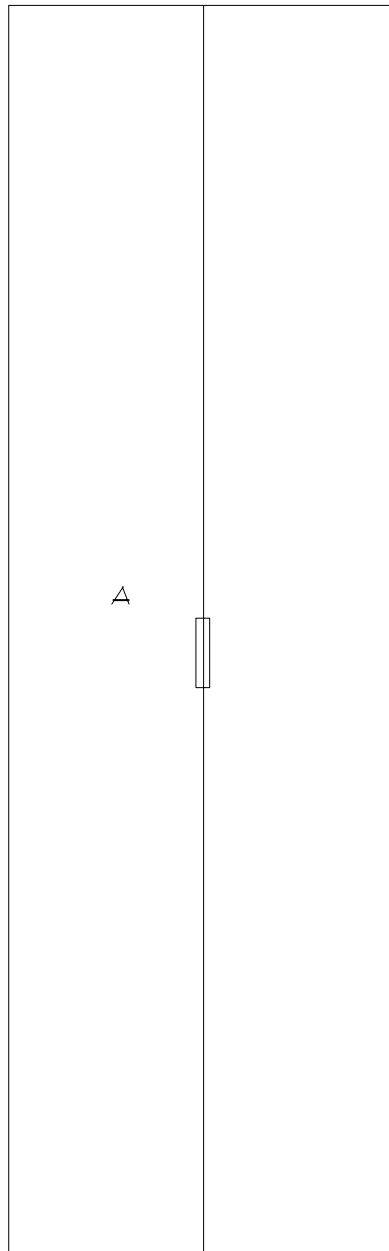
Roof ID

Building: SP333 - Cattle Feeding Shed - (1896 Buford Place)

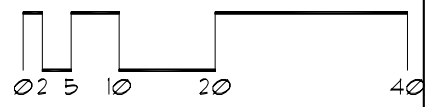
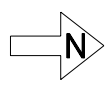
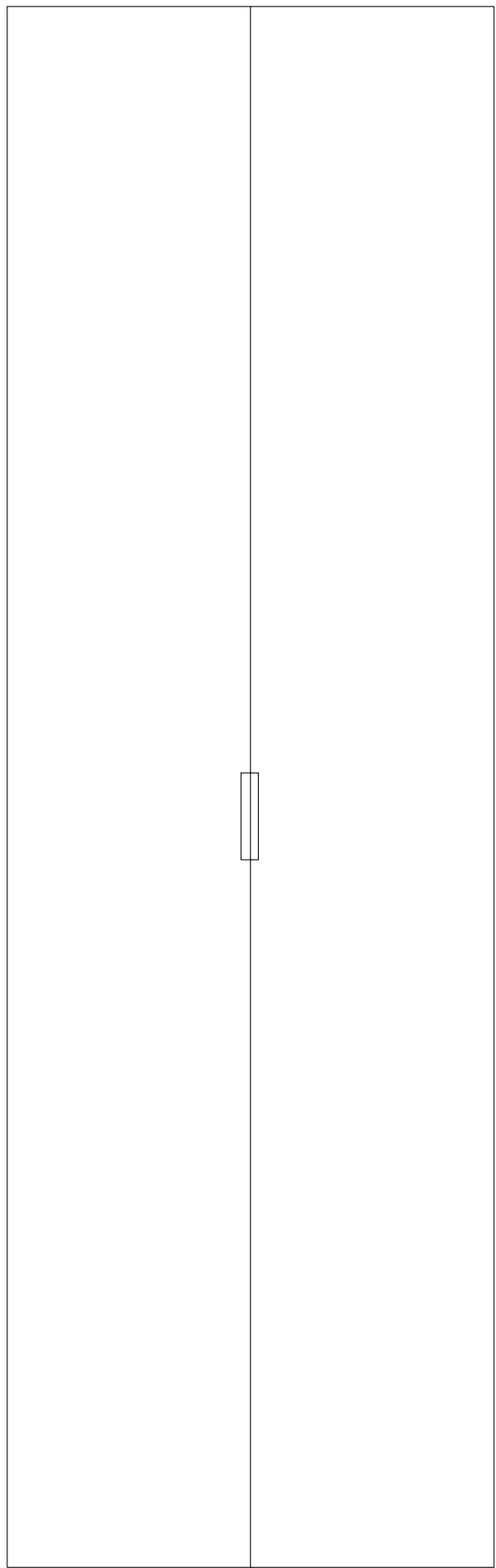
Roof Access: Ladder

Total Area: 10,382 sf

A 10,382 sf



Roof Corrective Action



Roof ID

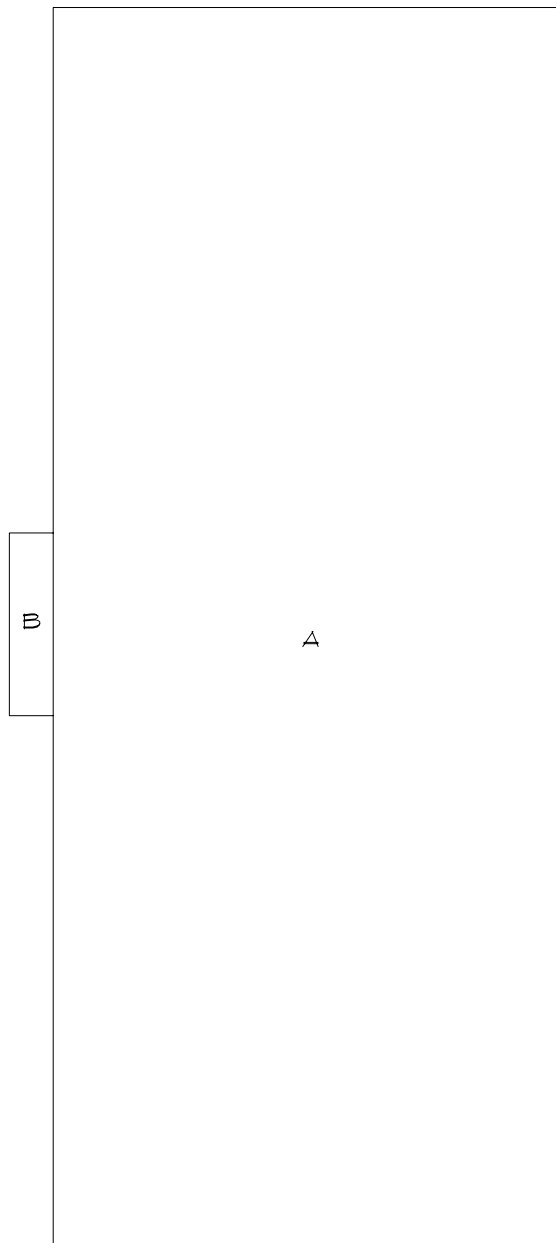
Building: SP334 - Biosystems & Ag Eng. Bldg - (1390 Eckles Ave. St. Paul)

Roof Access: Manlift

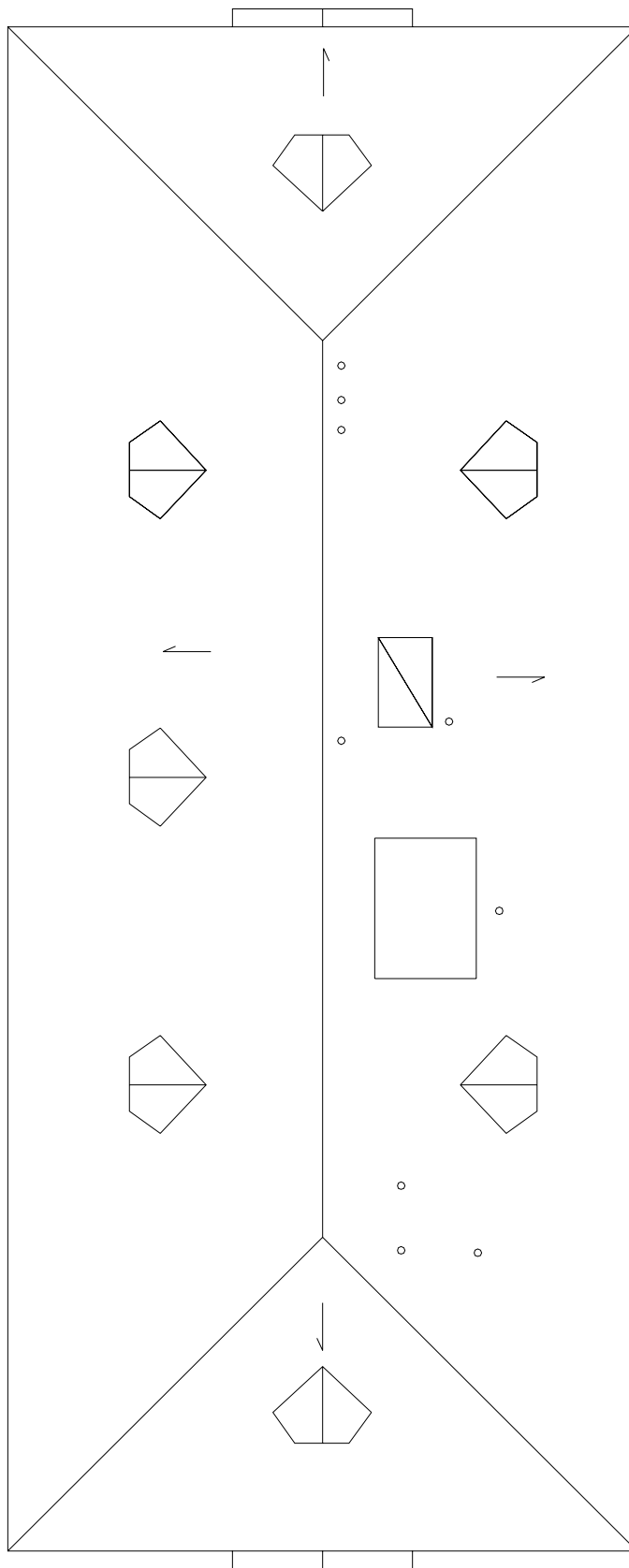
Total Area: 13,088 sf

A 12,938 sf

B 150 sf

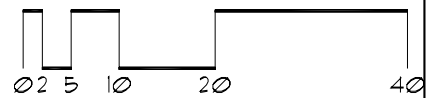
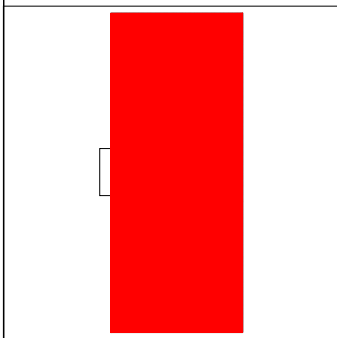


Roof Corrective Action

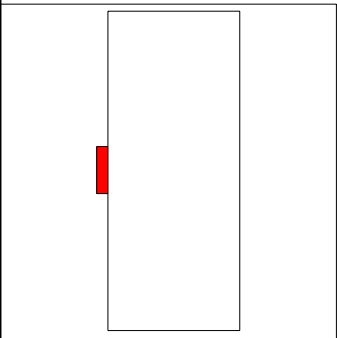
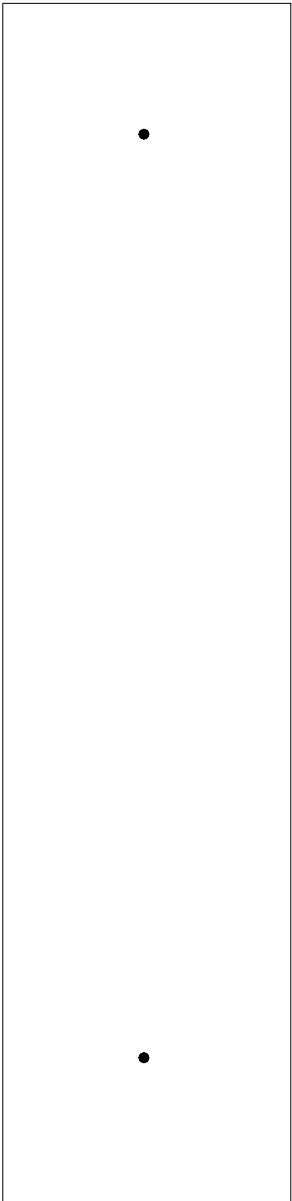


SYMBOLS KEY

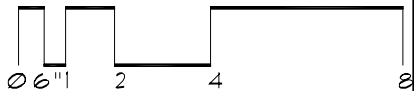
- SLOPE DIRECTION
- VENT STACK
- ▣ ROOF HATCH
- ① DEFECT-REPAIR



Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN



Roof ID

Building: SP335 - Engineering & Fisheries Lab - (1995 Fitch Ave, St. Paul)

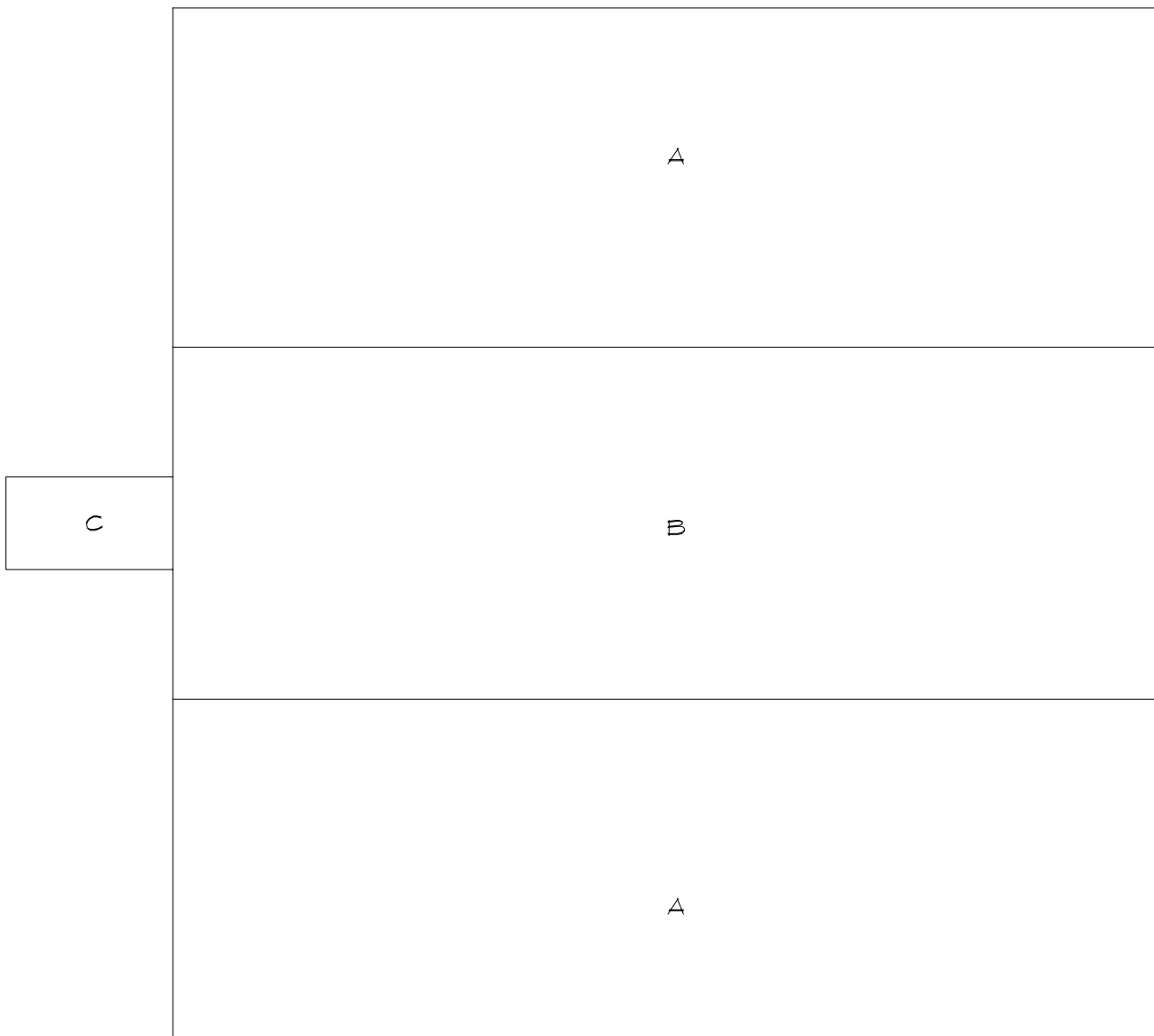
Roof Access: Internal ladder to window

Total Area: 26,958 sf

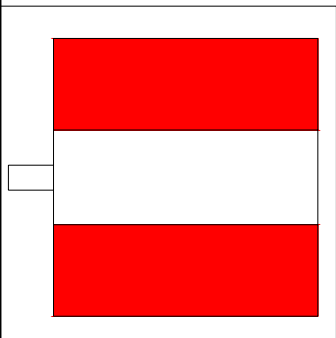
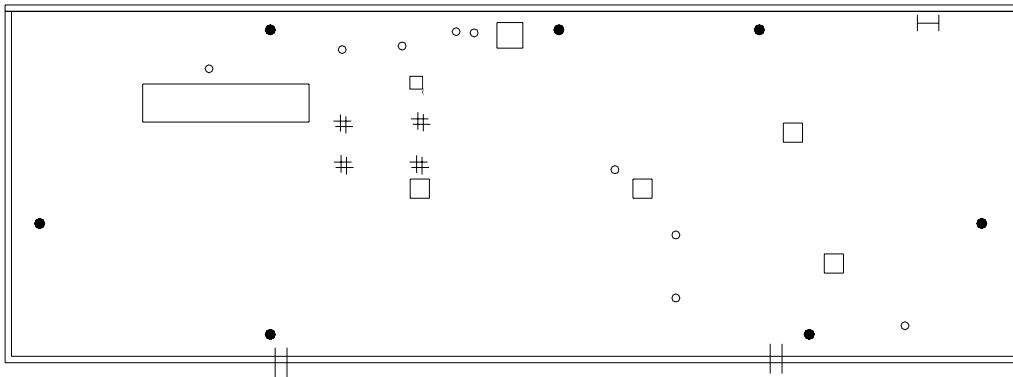
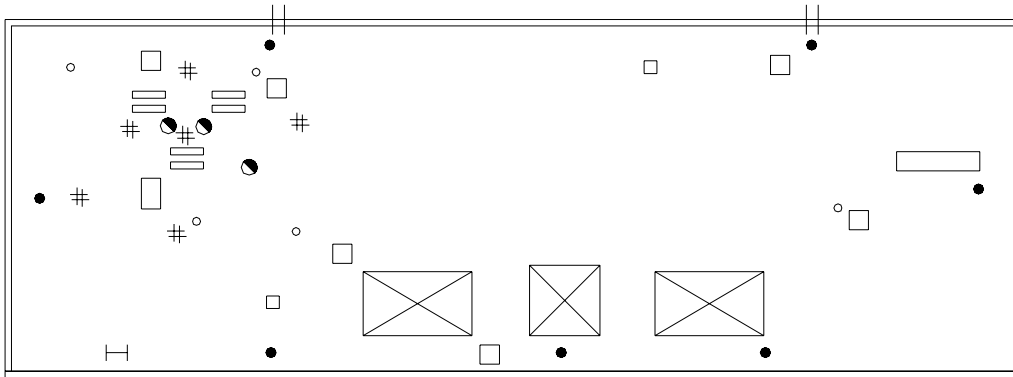
A **17,490** sf

B **9,063** sf

C **405** sf

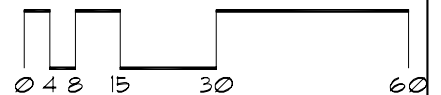


Roof Corrective Action

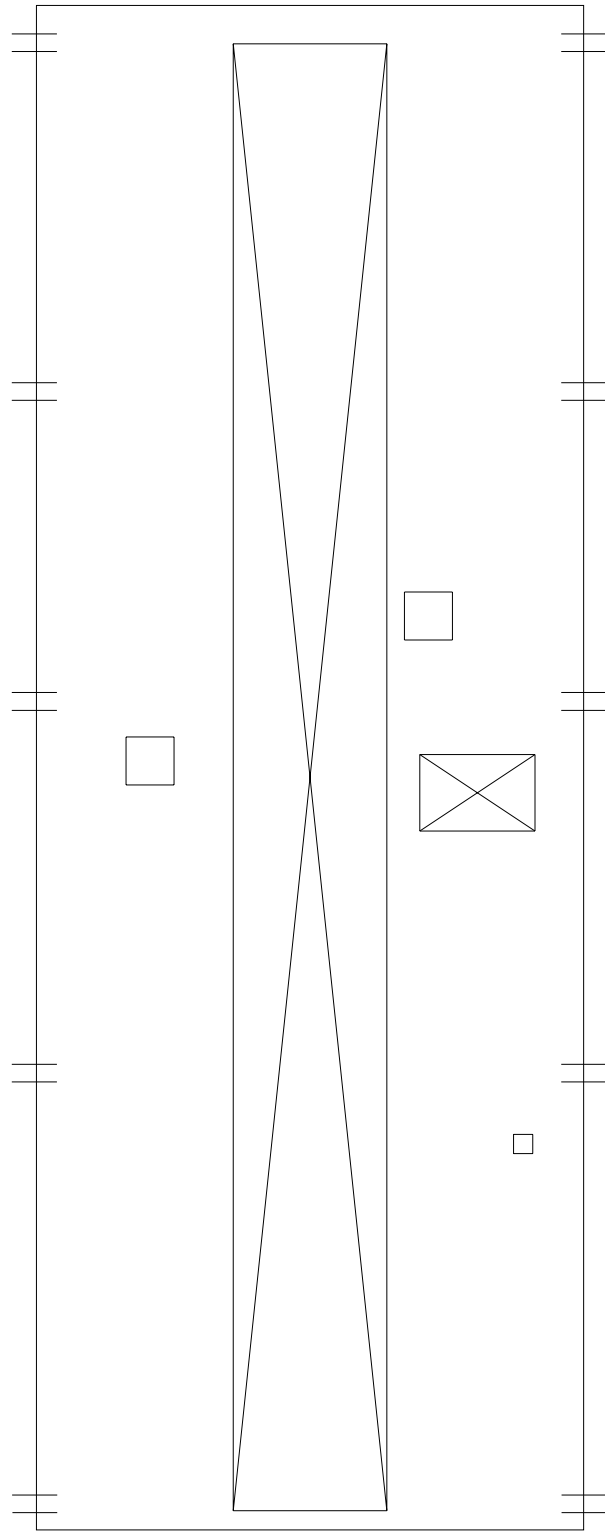


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- †† SCUPPER
- # PITCH PAN
- ⊠ SKYLIGHT
- I LADDER
- ⊕ DEFECT-REPAIR
- ⊖ DEFECT-NO REPAIR

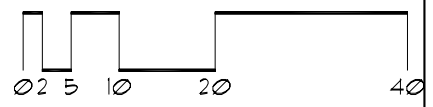
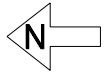
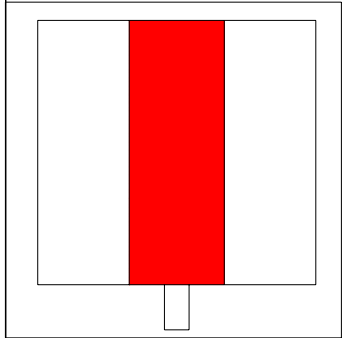


Roof Corrective Action

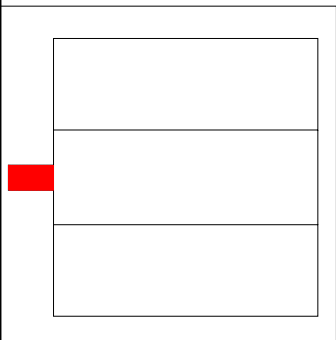
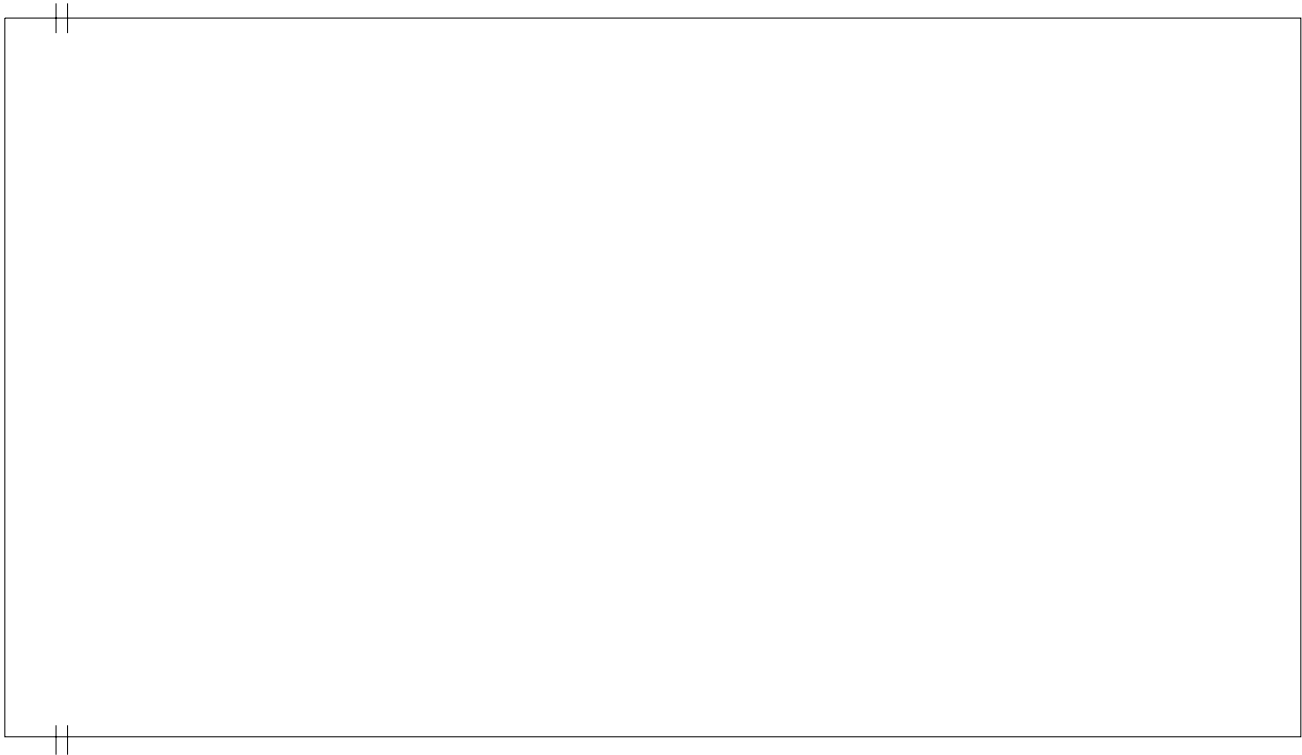


SYMBOLS KEY

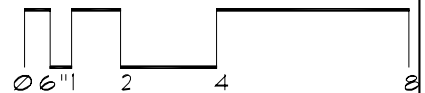
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- †† SCUPPER
- ⊠ SKYLIGHT
- DEFECT-REPAIR



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
① DEFECT-REPAIR



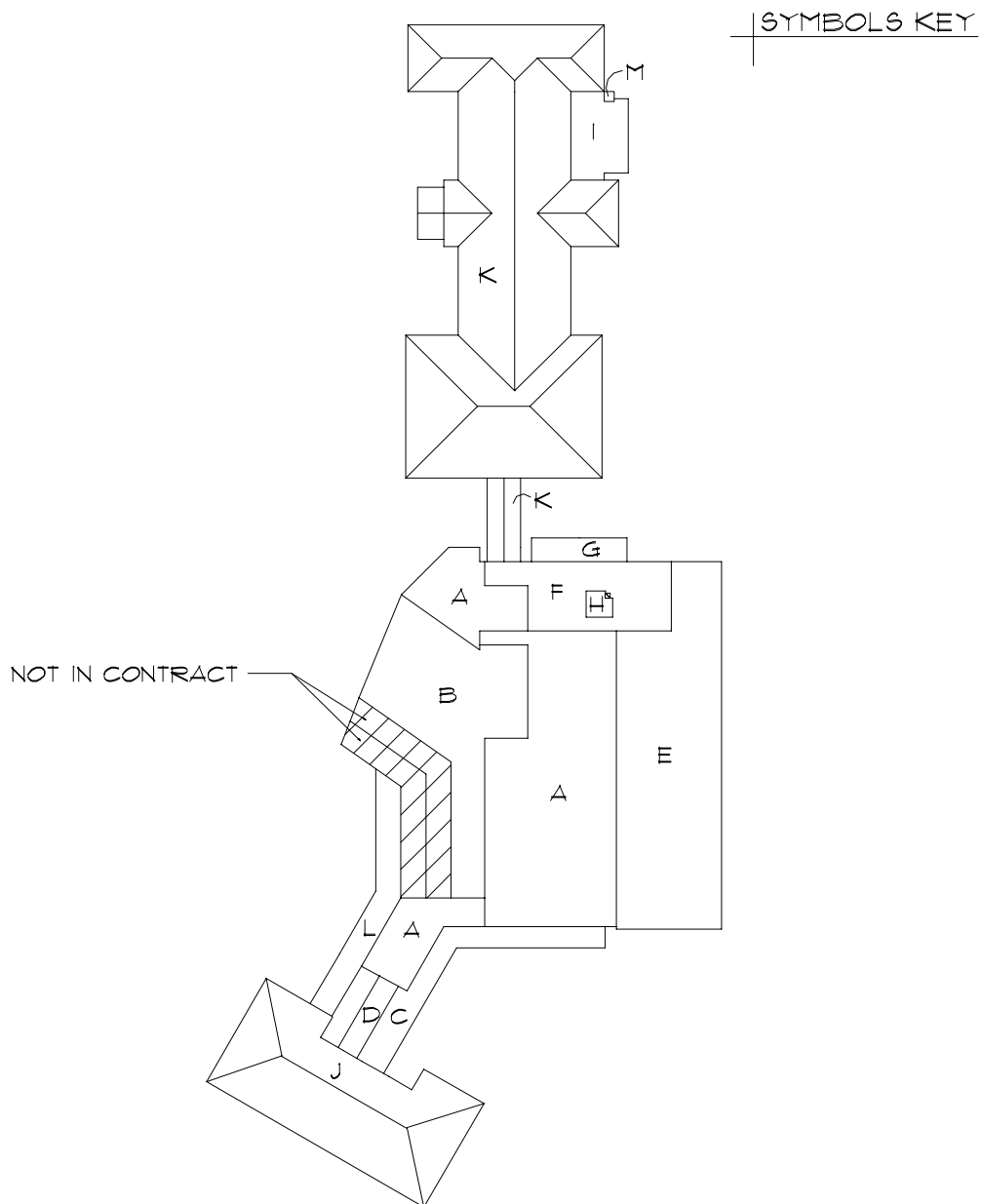
Roof ID

Building: SP338 - McNeal Hall - (1885 E Buford Ave, St. Paul)

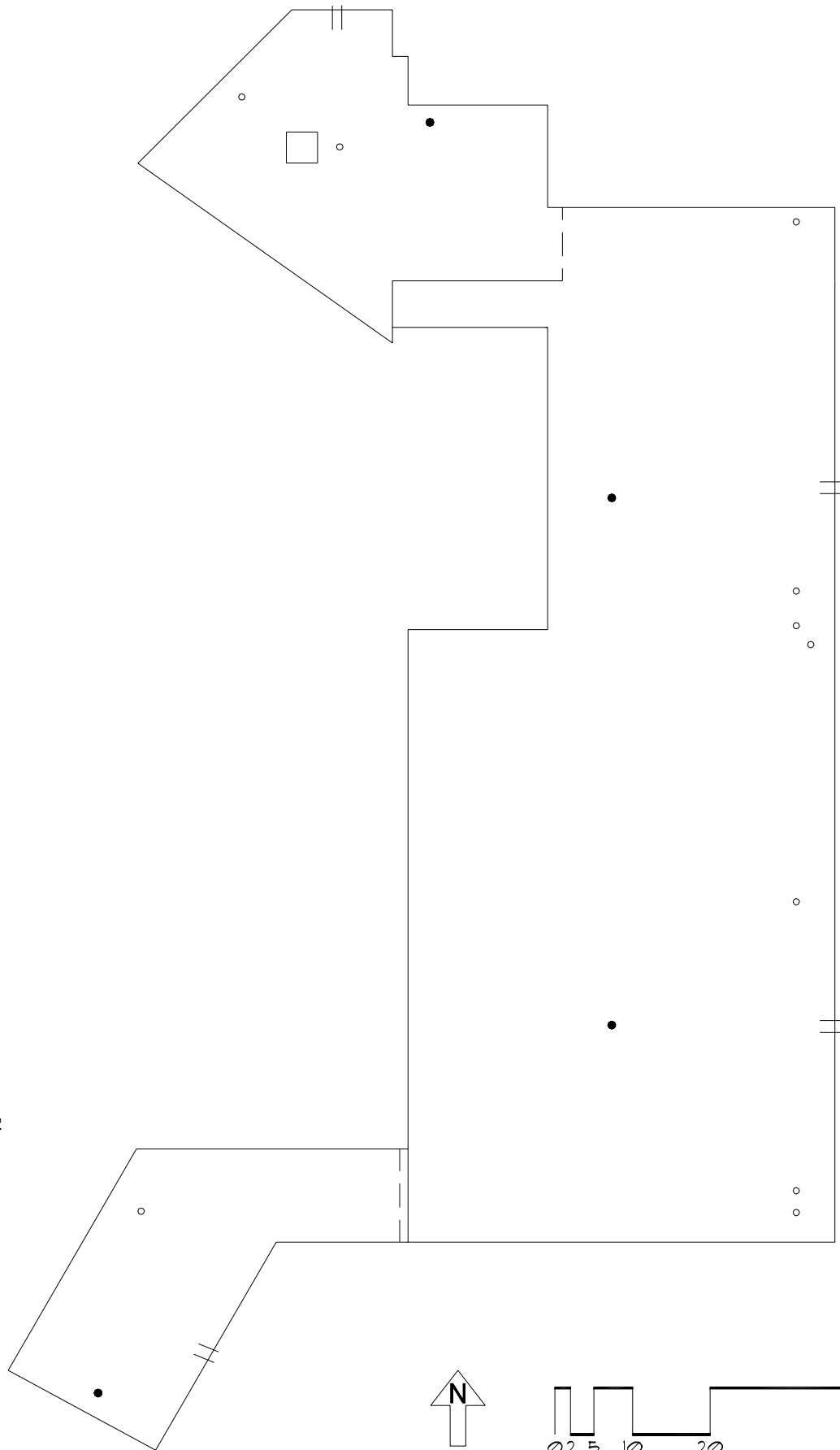
Roof Access: Elevator to top floor mechanical room, through room on west side of area E across from elevator; I,G=Ladder

Total Area: 44,102 sf

A	8,367 sf	E	6,109 sf	I	805 sf	M	81 sf
B	3,861 sf	F	1,920 sf	J	5,528 sf		
C	1,382 sf	G	200 sf	K	14,077 sf		
D	315 sf	H	112 sf	L	1,345 sf		

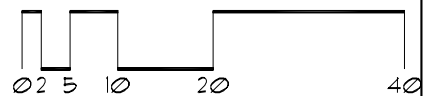
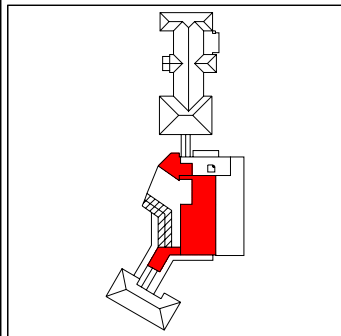


Roof Corrective Action

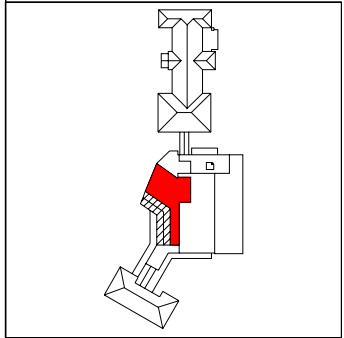
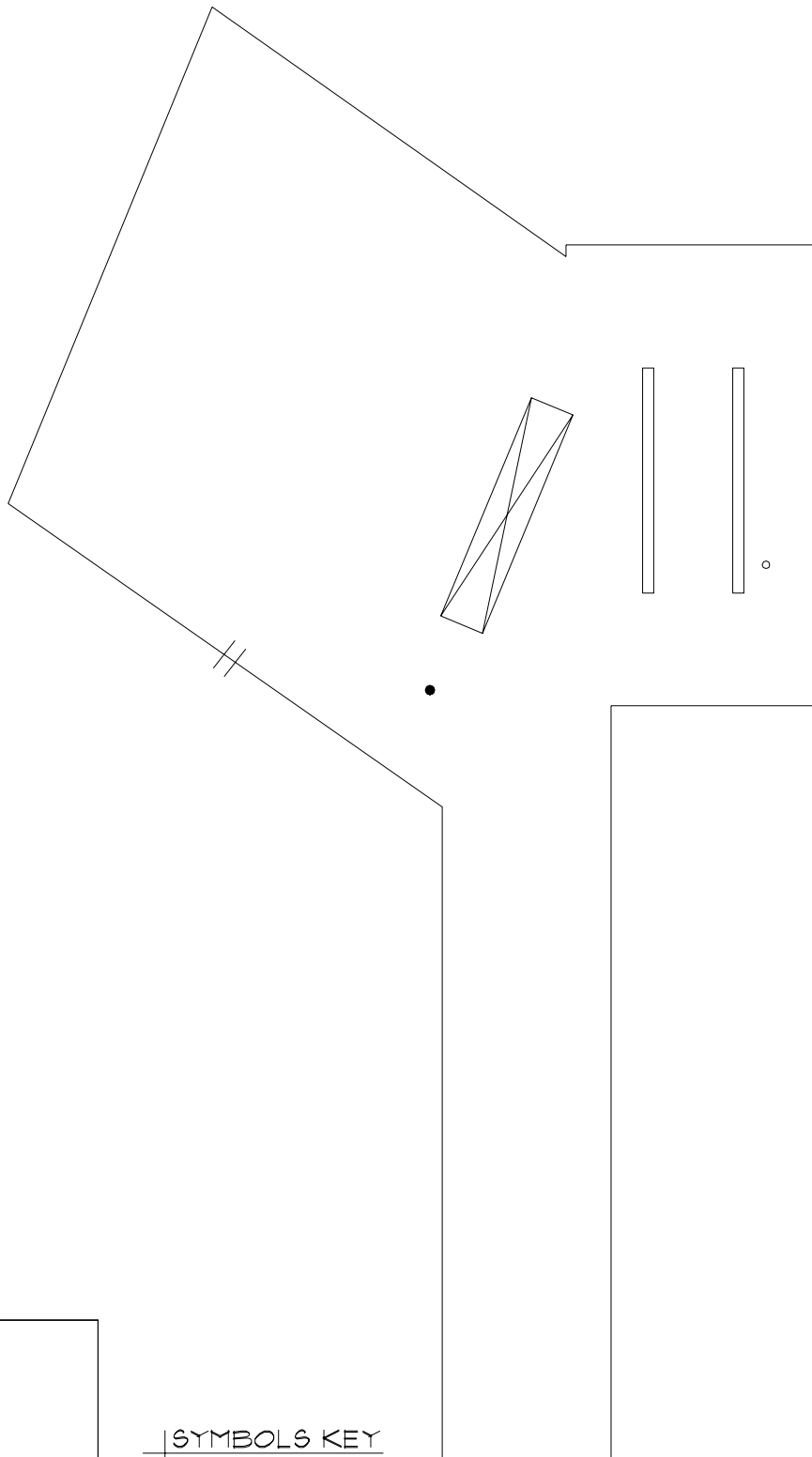


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊖ DEFECT-REPAIR
- ⓪ DEFECT-NO REPAIR



Roof Corrective Action

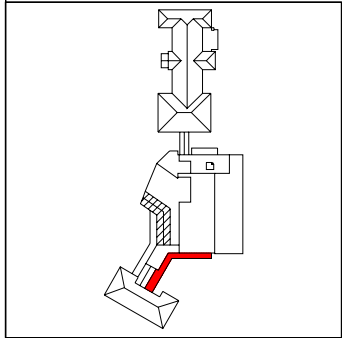
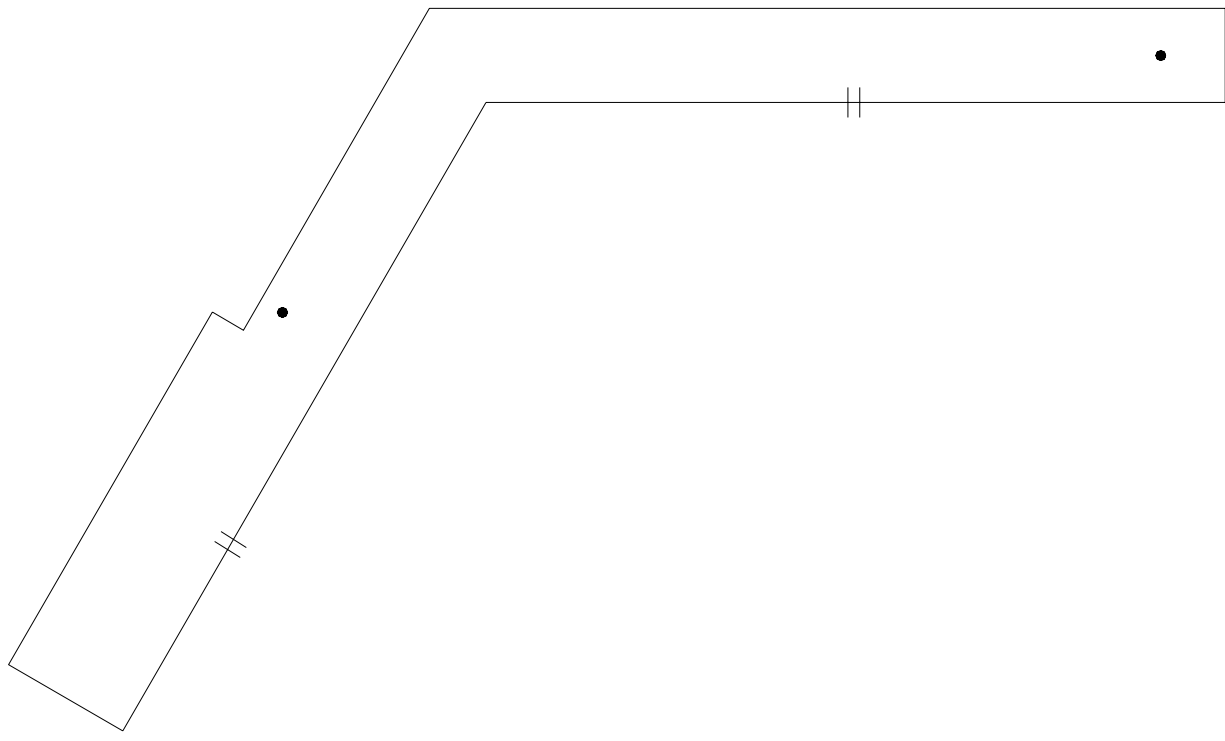


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- ⊠ SKYLIGHT
- Ⓜ DEFECT-REPAIR



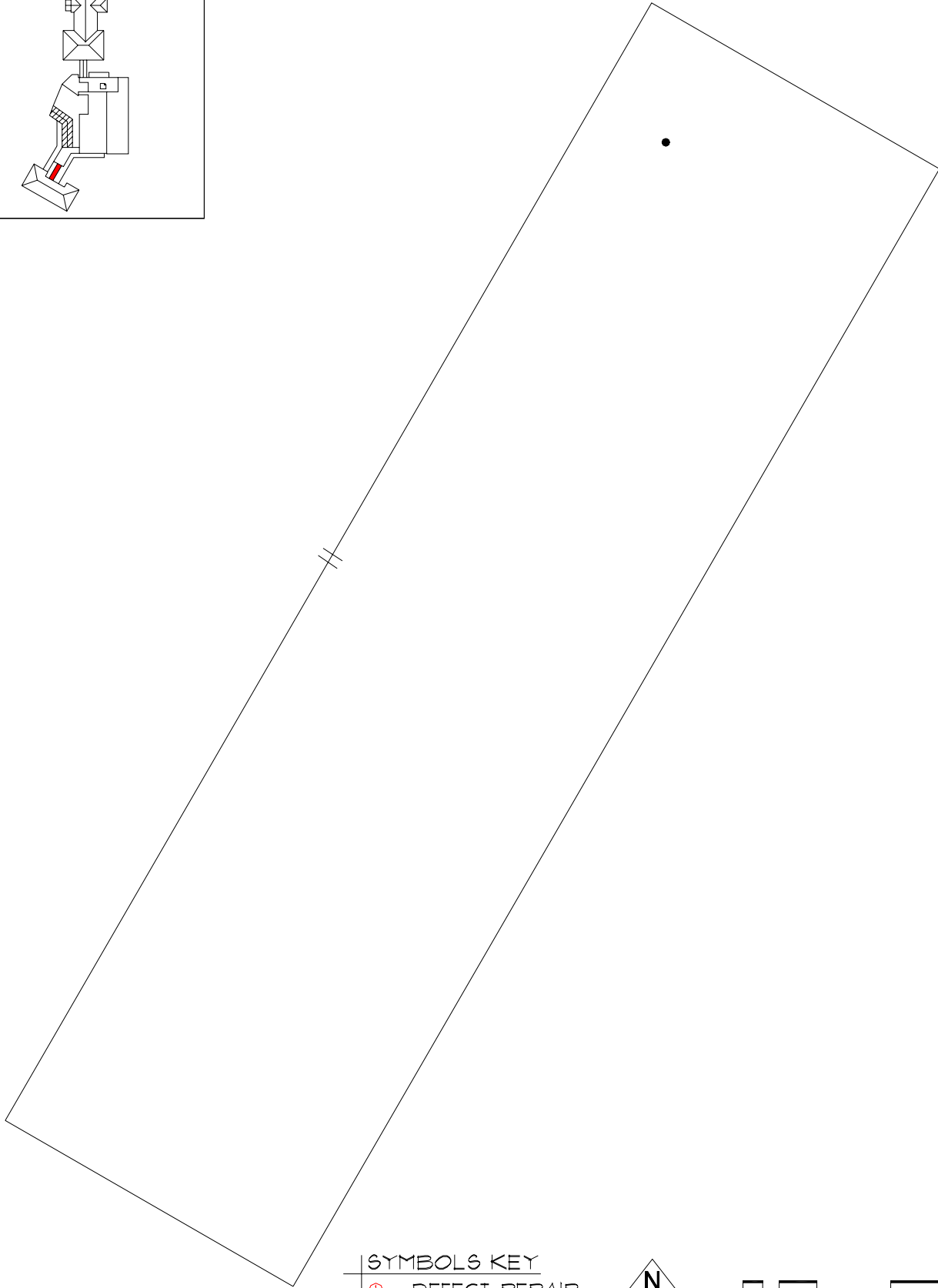
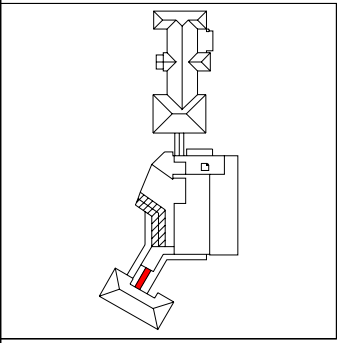
Roof Corrective Action



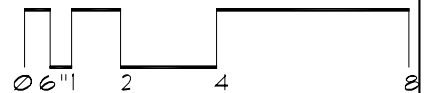
- SYMBOLS KEY**
- ROOF DRAIN
 - ⊥ SCUPPER
 - Ⓜ DEFECT-REPAIR



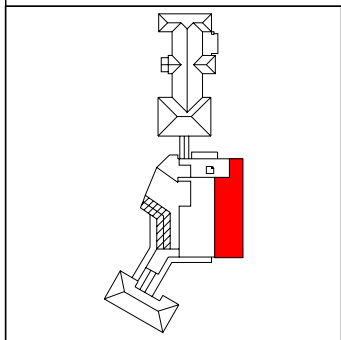
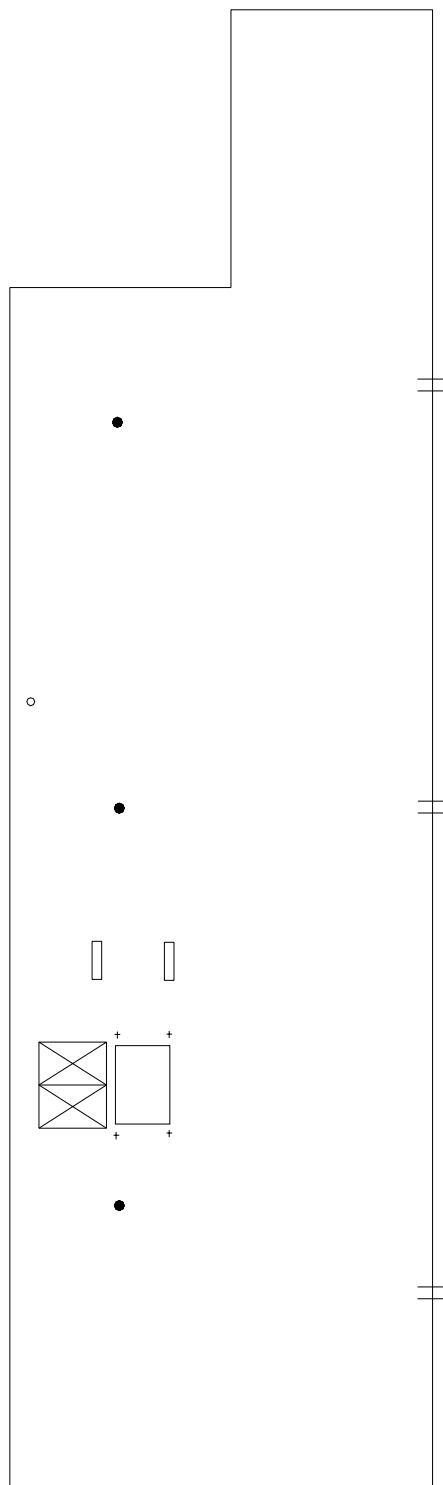
Roof Corrective Action



- SYMBOLS KEY
- ① DEFECT-REPAIR
 - ① DEFECT-NO REPAIR

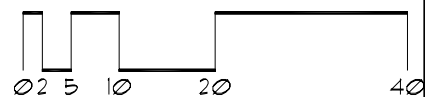


Roof Corrective Action

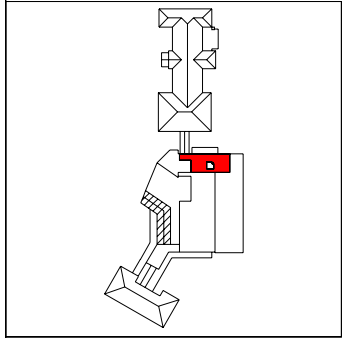
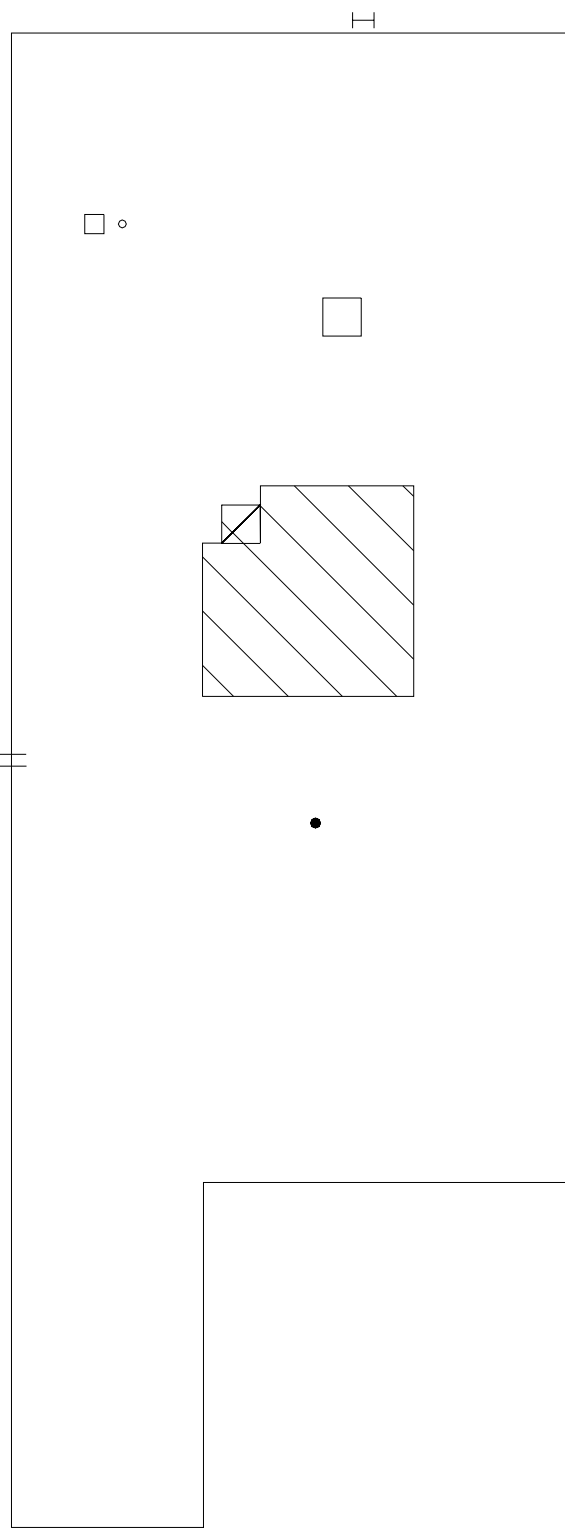


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊕ SCUPPER
- ⊖ DEFECT-NO REPAIR
- ⊕ DEFECT-REPAIR

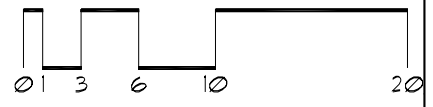
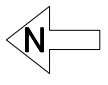


Roof Corrective Action

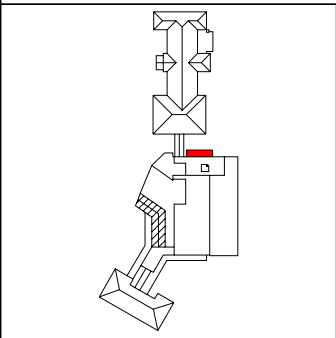
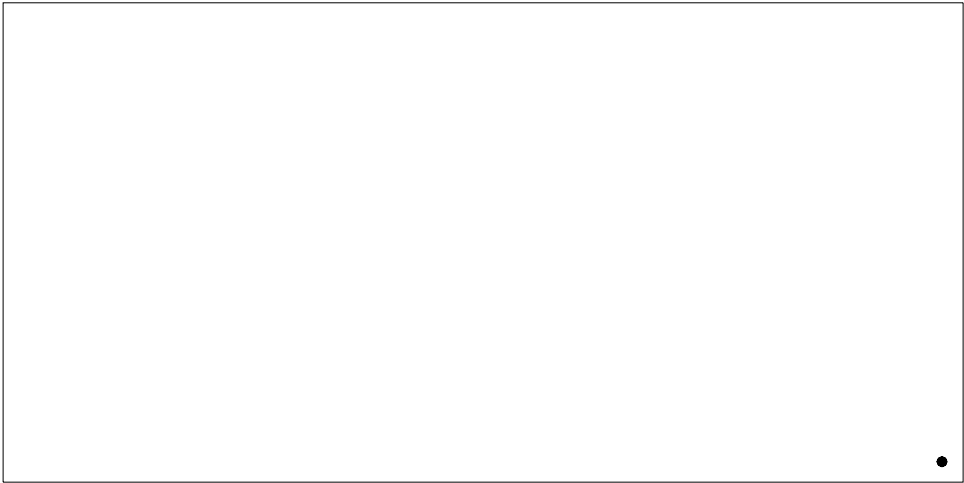


SYMBOLS KEY

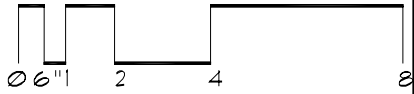
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊠ SCUPPER
- Ⓜ DEFECT-REPAIR



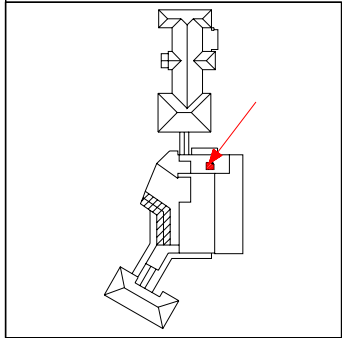
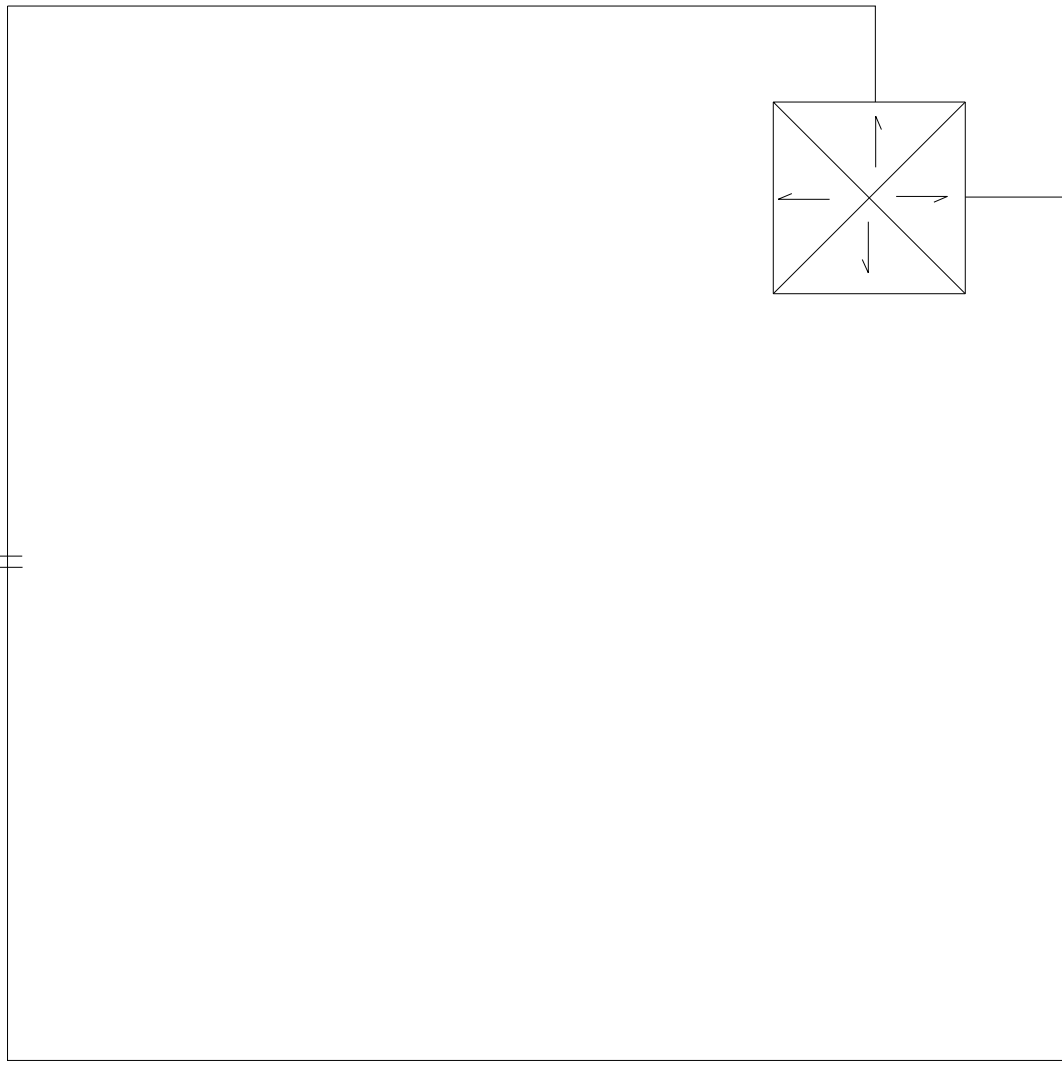
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
Ⓢ DEFECT-REPAIR

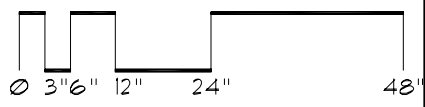


Roof Corrective Action

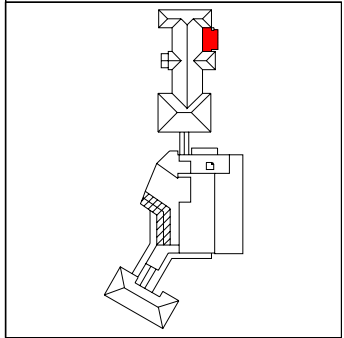
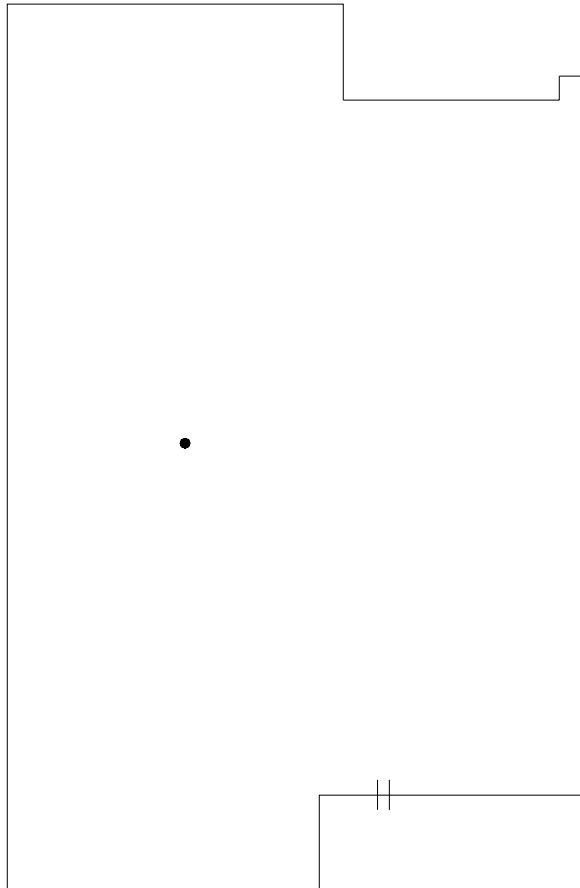


SYMBOLS KEY

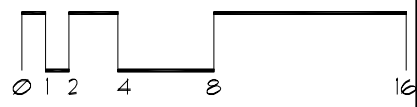
□	ROOF CURB
⊕	SCUPPER



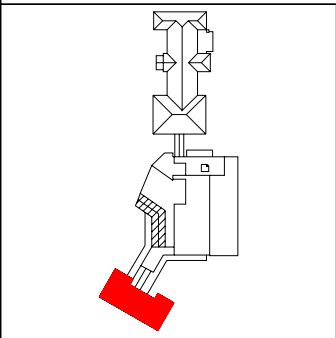
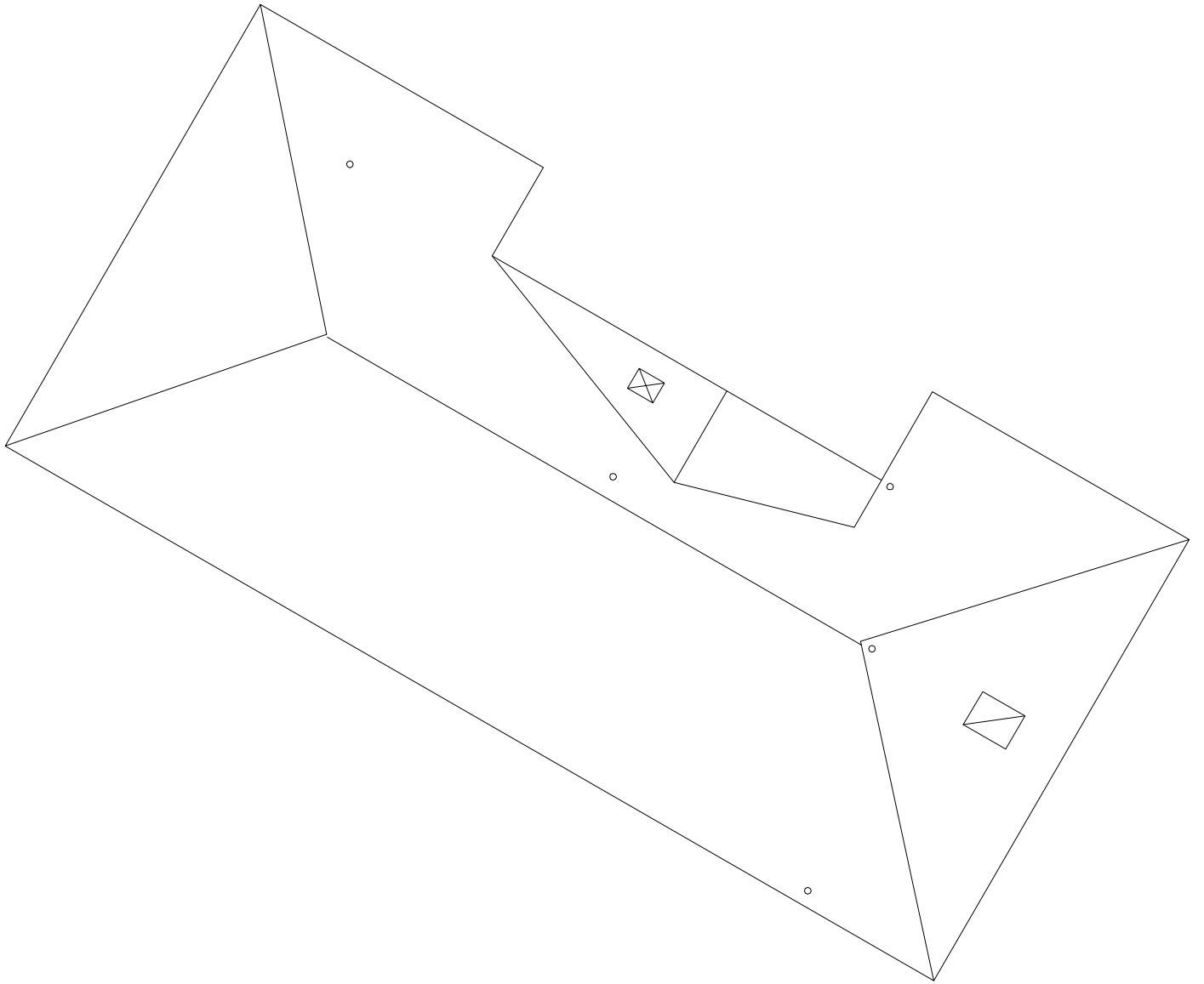
Roof Corrective Action



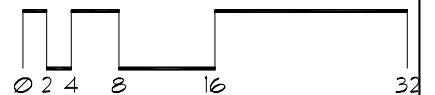
- SYMBOLS KEY**
- ROOF DRAIN
 - || SCUPPER
 - Ⓢ DEFECT-REPAIR



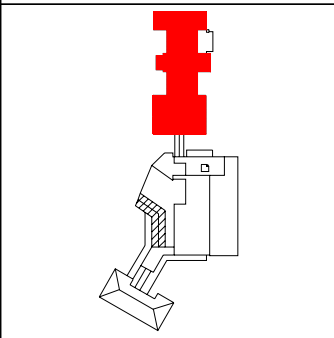
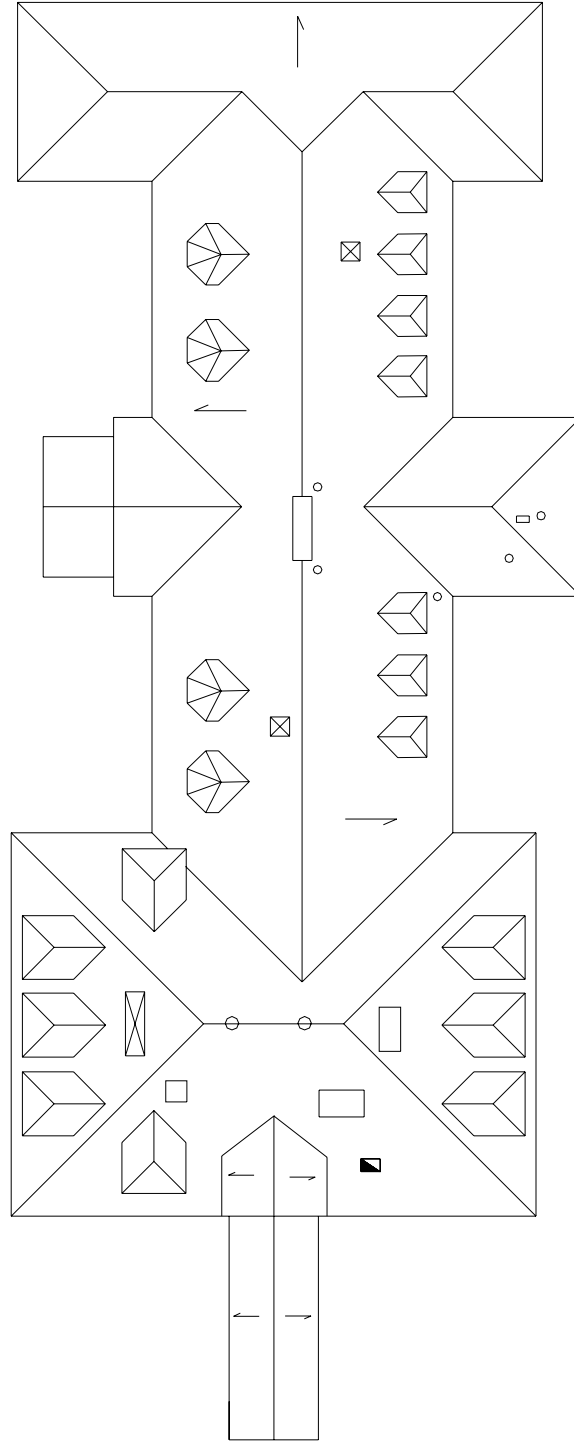
Roof Corrective Action



SYMBOLS KEY
○ VENT STACK
◊ ROOF HATCH

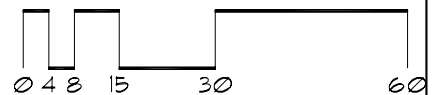


Roof Corrective Action

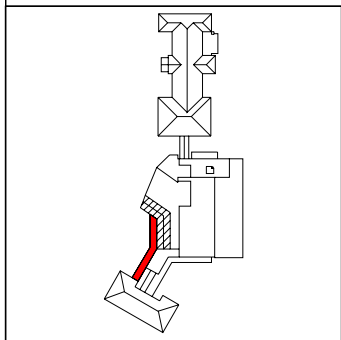
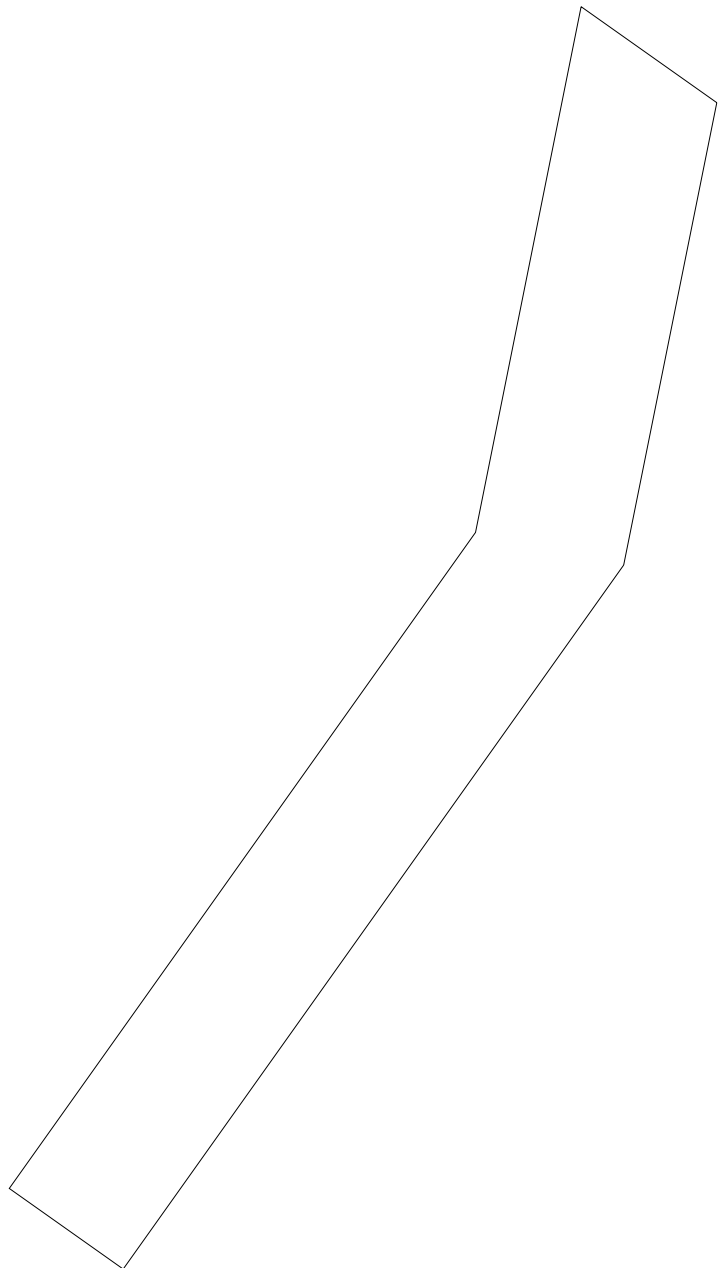


SYMBOLS KEY

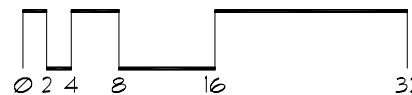
- ROOF CURB
- VENT STACK
- CHIMNEY
- ⊠ SKYLIGHT
- SLOPE DIRECTION
- Ⓢ DEFECT-REPAIR



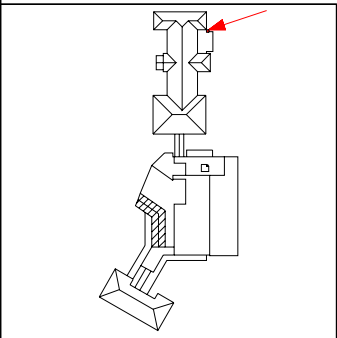
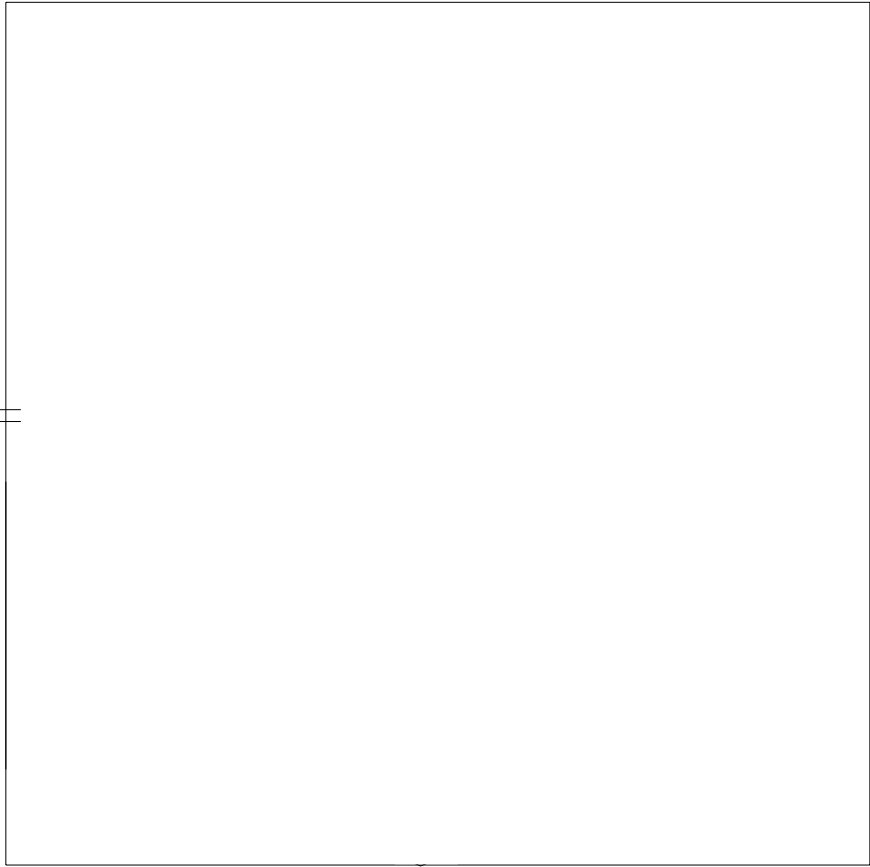
Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN

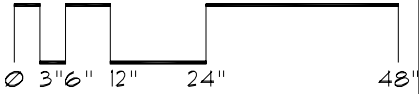


Roof Corrective Action



SYMBOLS KEY

- † SCUPPER
- Ⓢ DEFECT-REPAIR
- Ⓣ DEFECT-NO REPAIR



Roof ID

Building: SP342 - Gymnasium - (1536 Cleveland Ave. St. Paul)

Roof Access: Through front door, up stairs, left exit to roof hatch; D=Ladder

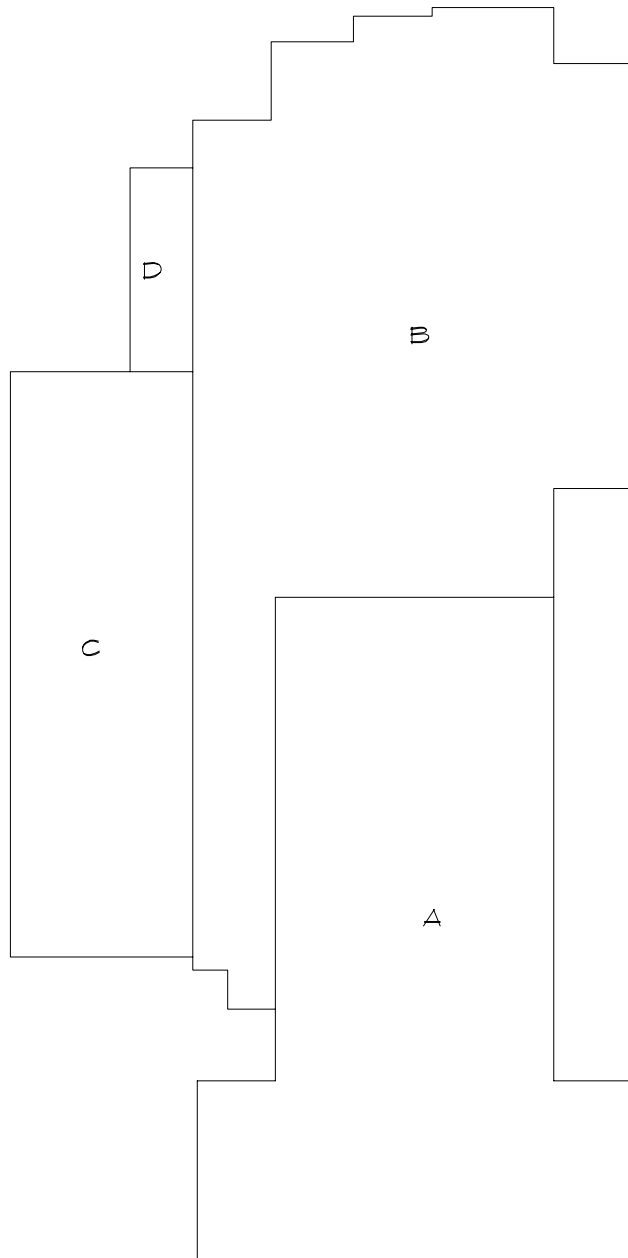
Total Area: 32,984 sf

A **12,567** sf

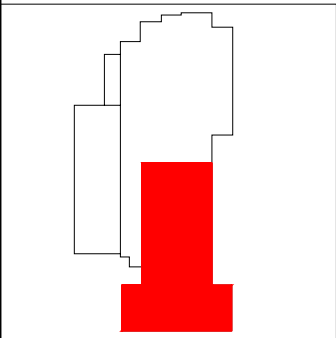
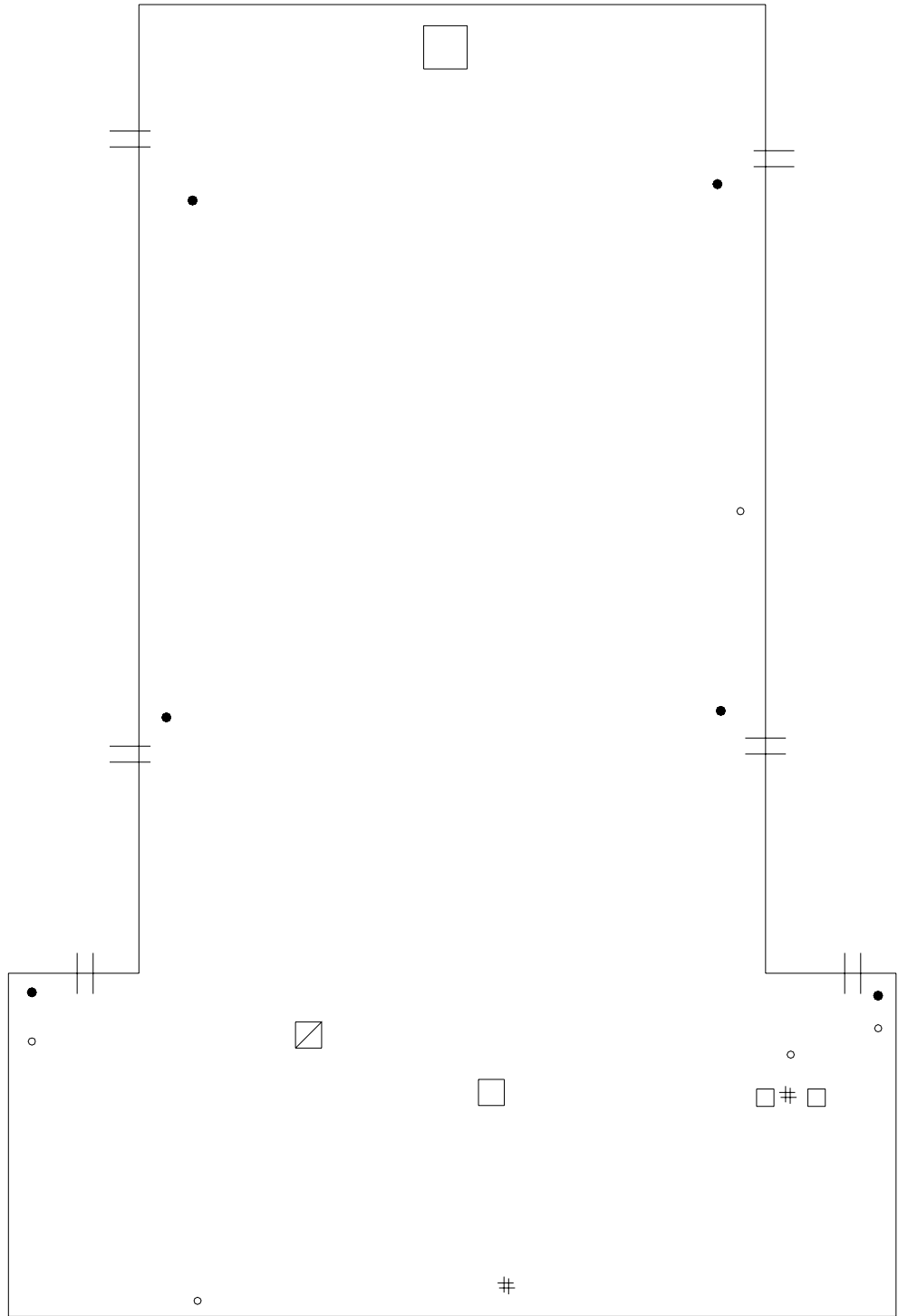
B **14,227** sf

C **5,670** sf

D **520** sf

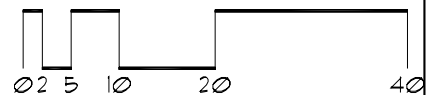


Roof Corrective Action

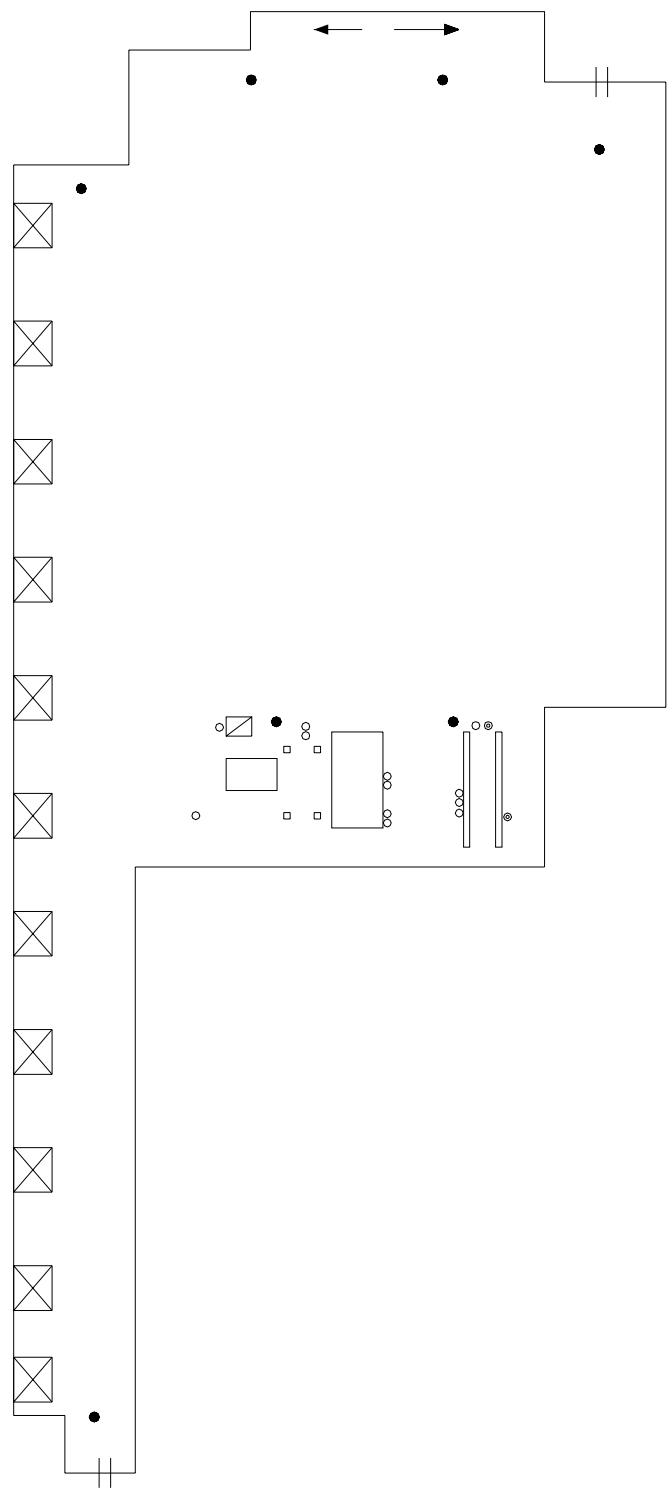


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- || SCUPPER
- ▣ ROOF HATCH
- ⊕ DEFECT-REPAIR
- # PITCH PAN

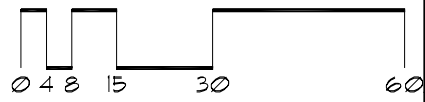
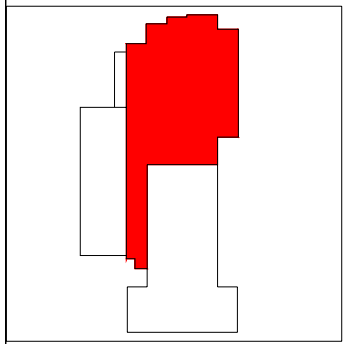


Roof Corrective Action

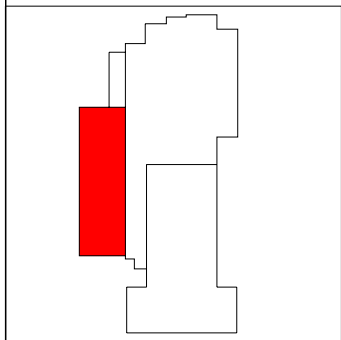
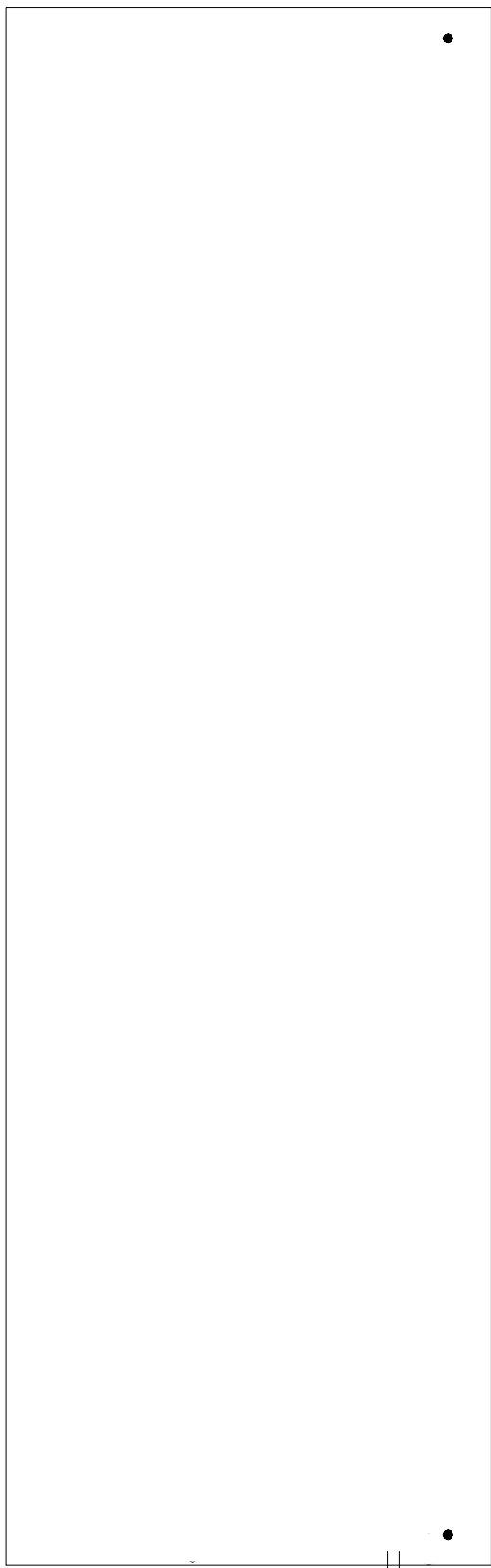


SYMBOLS KEY

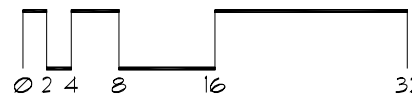
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- ⊠ ROOF HATCH
- ⊞ SKYLIGHT
- ⊖ DEFECT-NO REPAIR
- ⊕ DEFECT-REPAIR



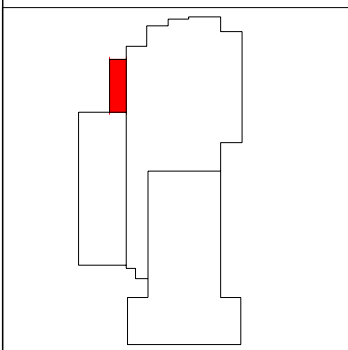
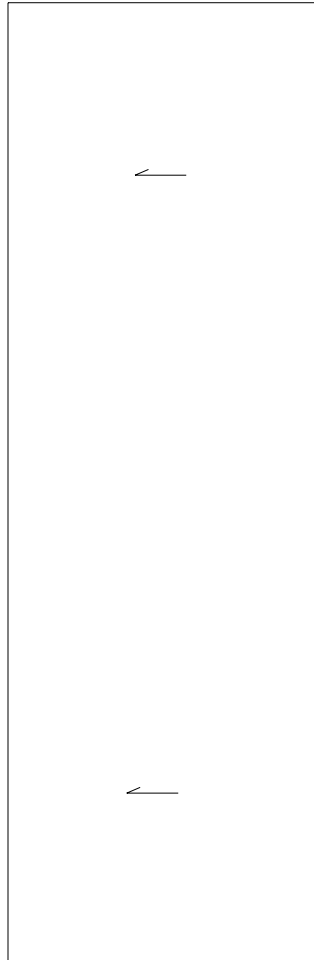
Roof Corrective Action



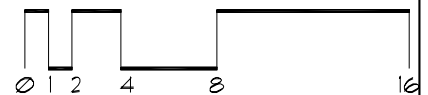
- SYMBOLS KEY**
- ROOF DRAIN
 - ⊖ DEFECT-NO REPAIR
 - ⊕ DEFECT-REPAIR



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION

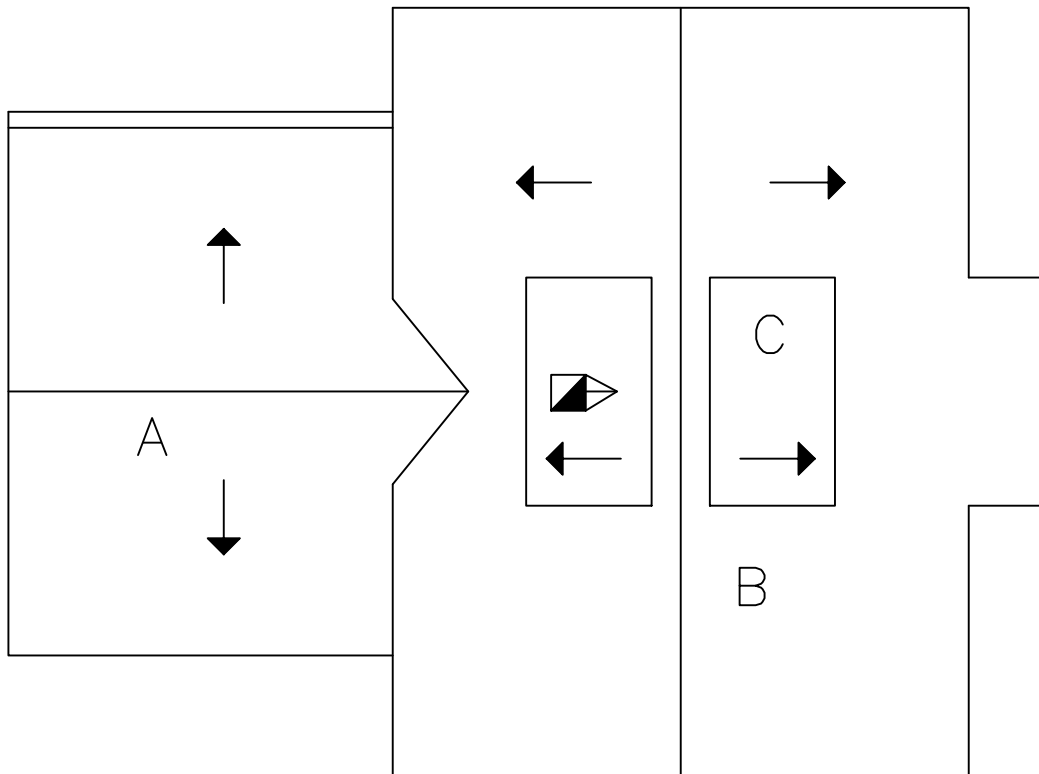


Roof ID

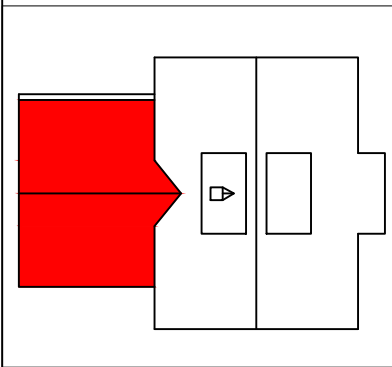
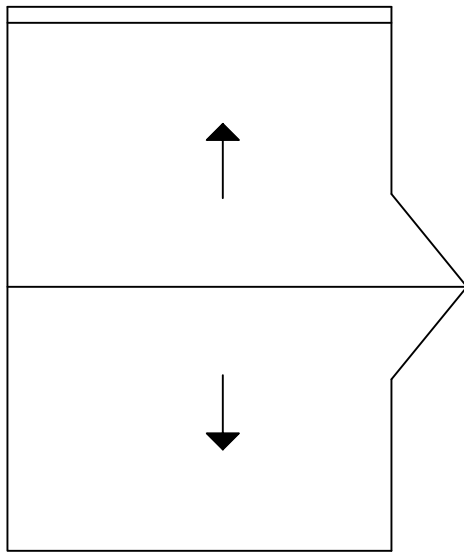
Building: 02.343 - Botany Field House - (2033 Folwell Ave)
Roof Access: Ladders

Total SF: 1,321 sf

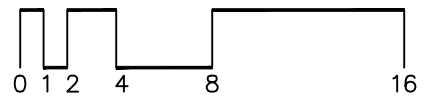
A: 536 sf	_____	_____	_____
B: 685 sf	_____	_____	_____
C: 100 sf	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



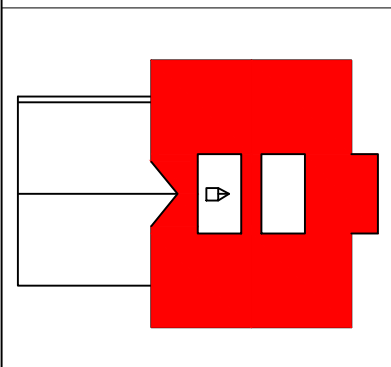
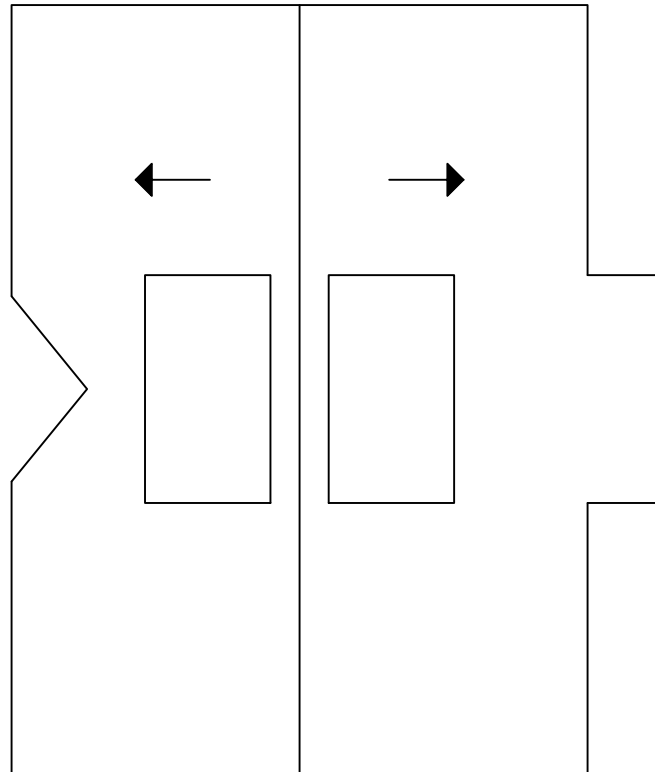
Roof Corrective Action



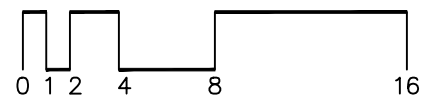
SYMBOLS KEY
|→ SLOPE DIRECTION



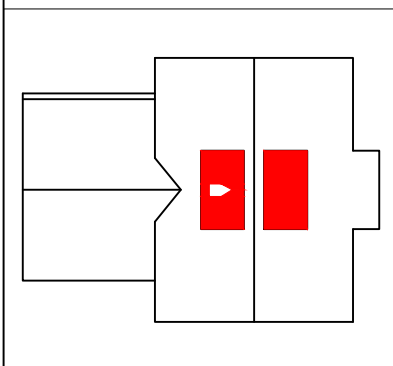
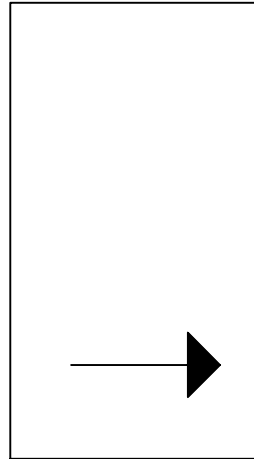
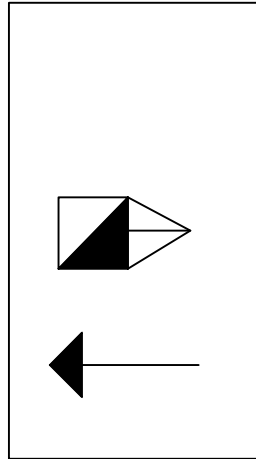
Roof Corrective Action



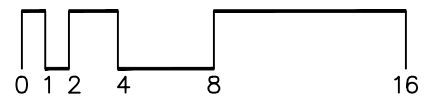
SYMBOLS KEY
→ SLOPE DIRECTION



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION
■ CHIMNEY



Roof ID

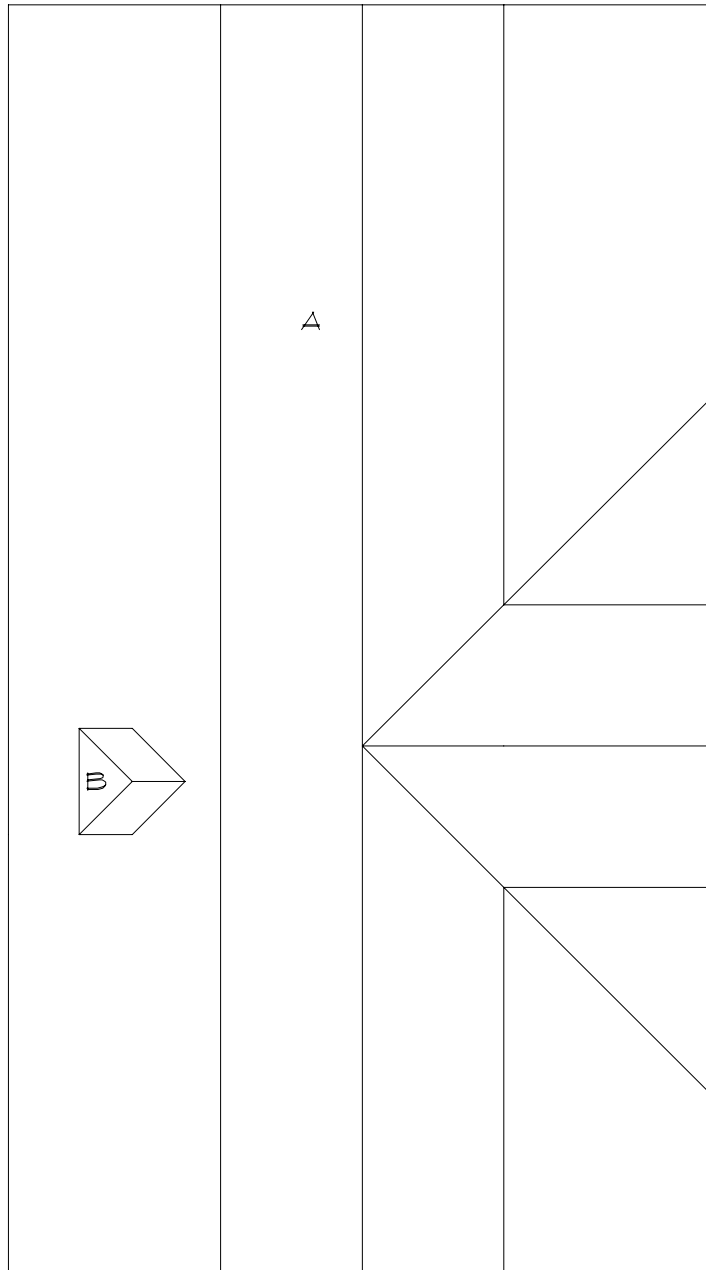
Building: SP345 - Agronomy Fieldhouse - (1472 Gortner Ave)

Roof Access: Ladder

Total Area: 4,392 sf

A 4,362 sf

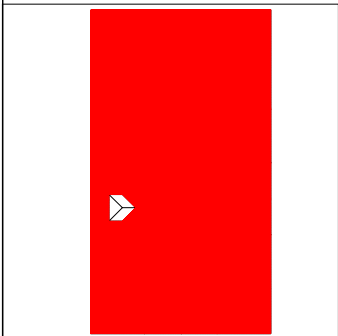
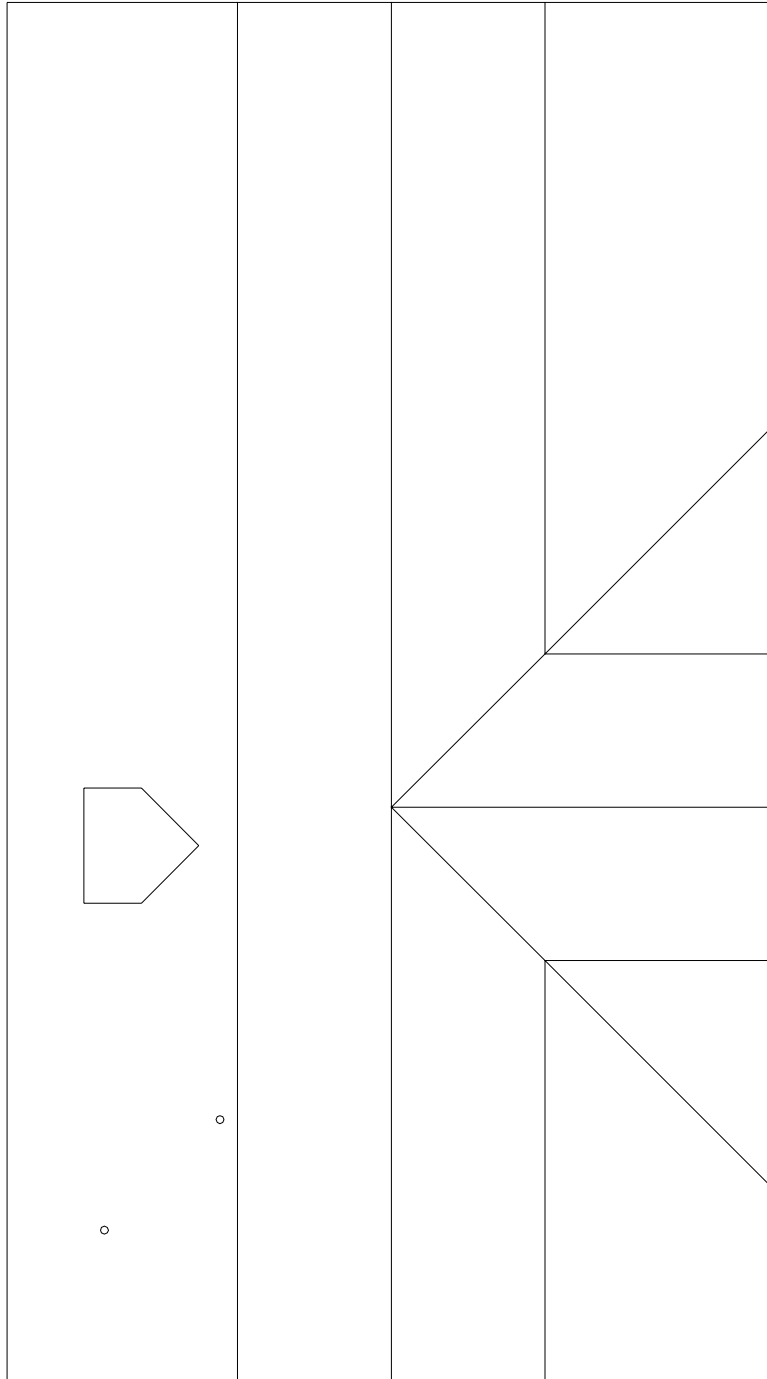
B 30 sf



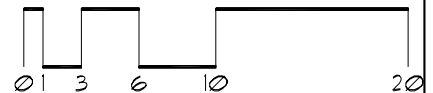
SYMBOLS KEY



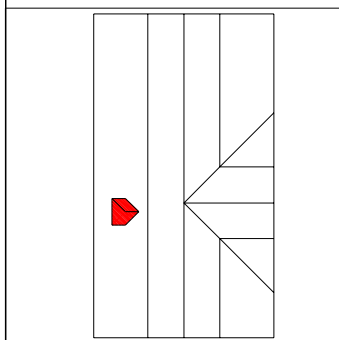
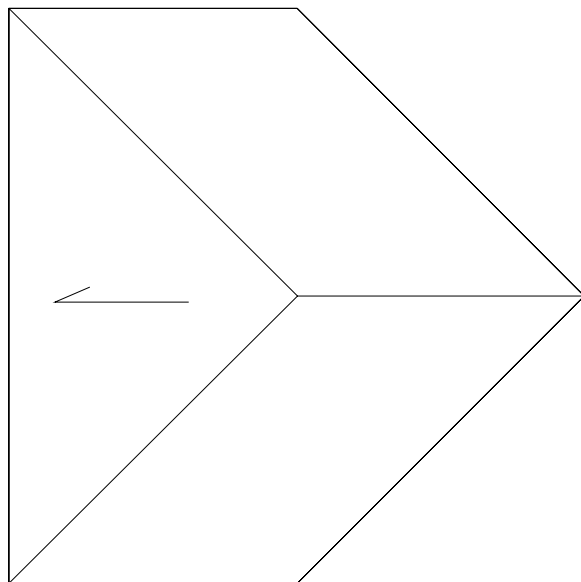
Roof Corrective Action



- SYMBOLS KEY**
- VENT STACK
 - ⊖ DEFECT-REPAIR
 - ⓪ DEFECT-NO REPAIR

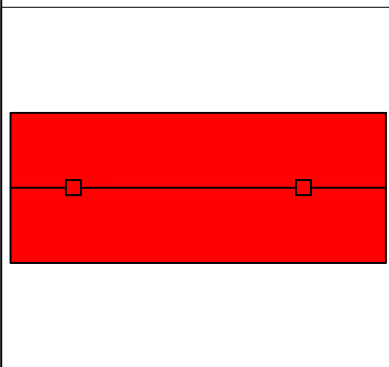
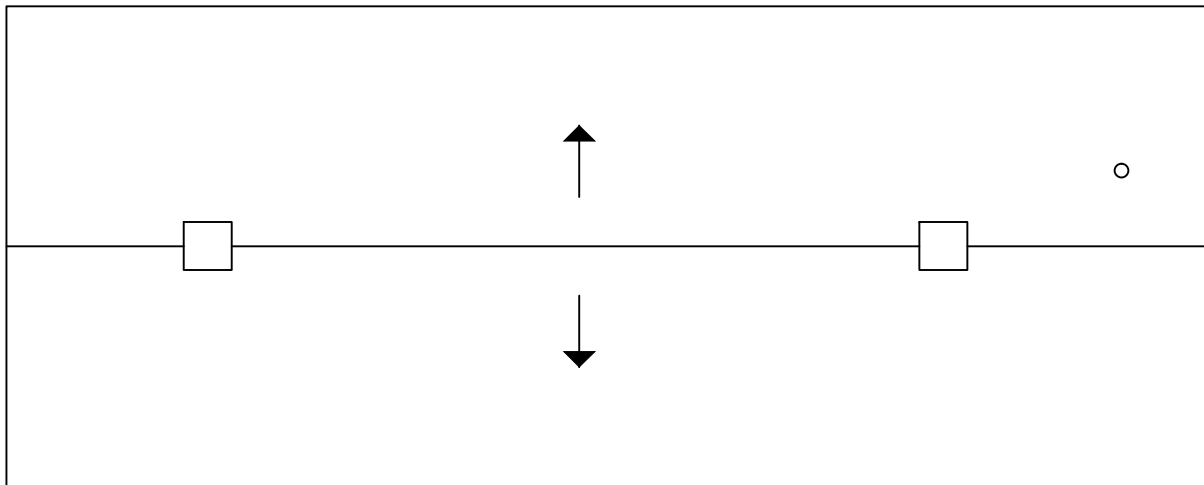


Roof Corrective Action

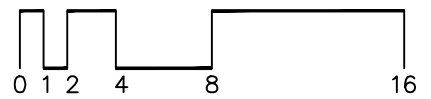


Roof Corrective Action

348 - Quarantine Barn
Report Date: 10/31/2013



SYMBOLS KEY
○ VENT
□ ROOF CURB
→ SLOPE DIRECTION



Roof ID

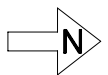
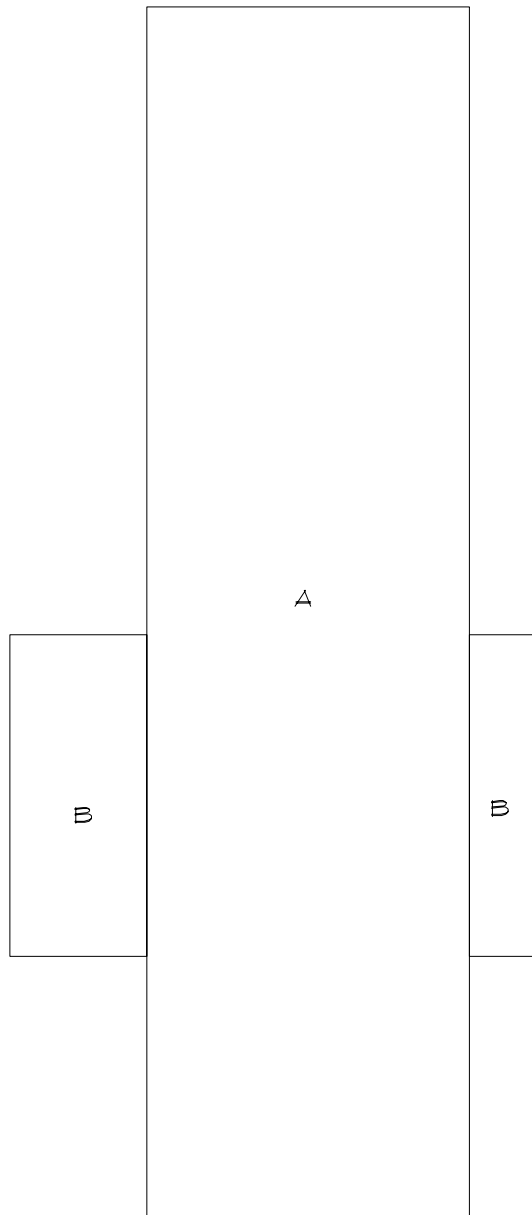
Building: SP349 - Golf Course Shop and Storage Bldg - (2096 Roselawn Ave W St. Paul, Mn)

Roof Access: Ladder

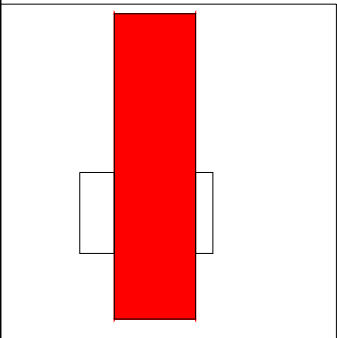
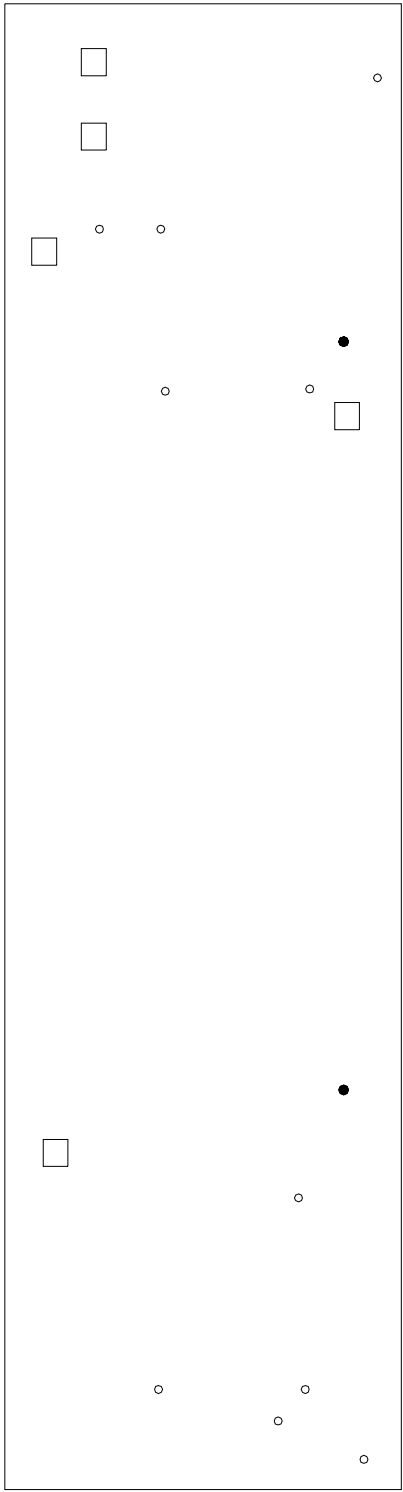
Total Area: 4,715 sf

A 4,092 sf

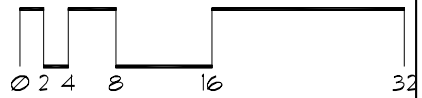
B 623 sf



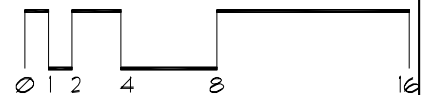
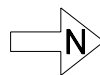
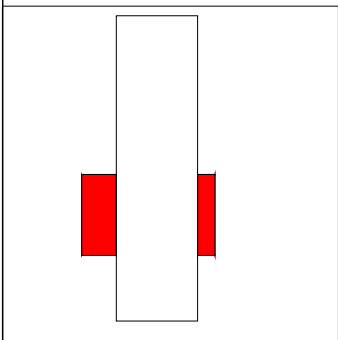
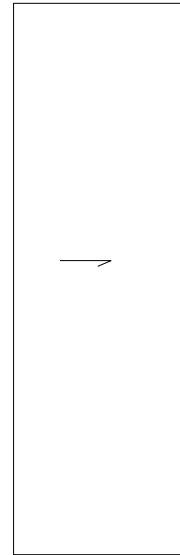
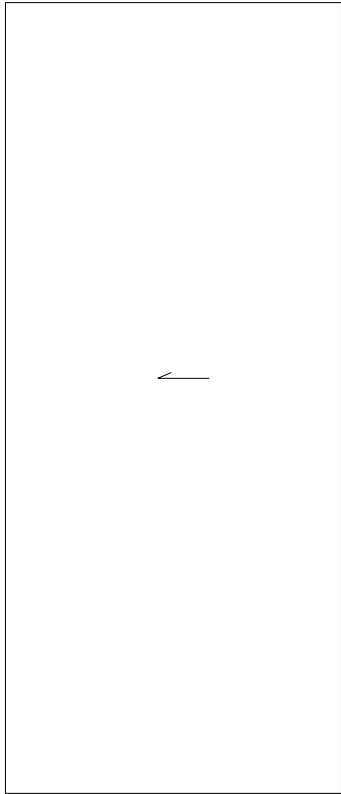
Roof Corrective Action



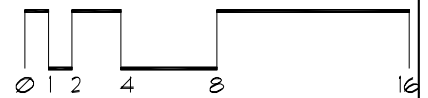
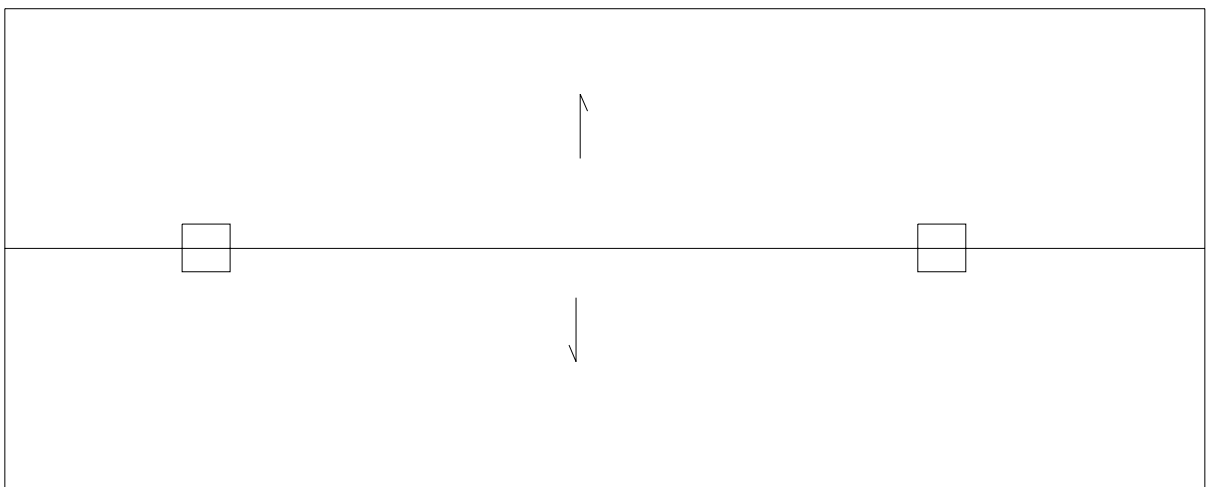
- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK



Roof Corrective Action



Roof Corrective Action



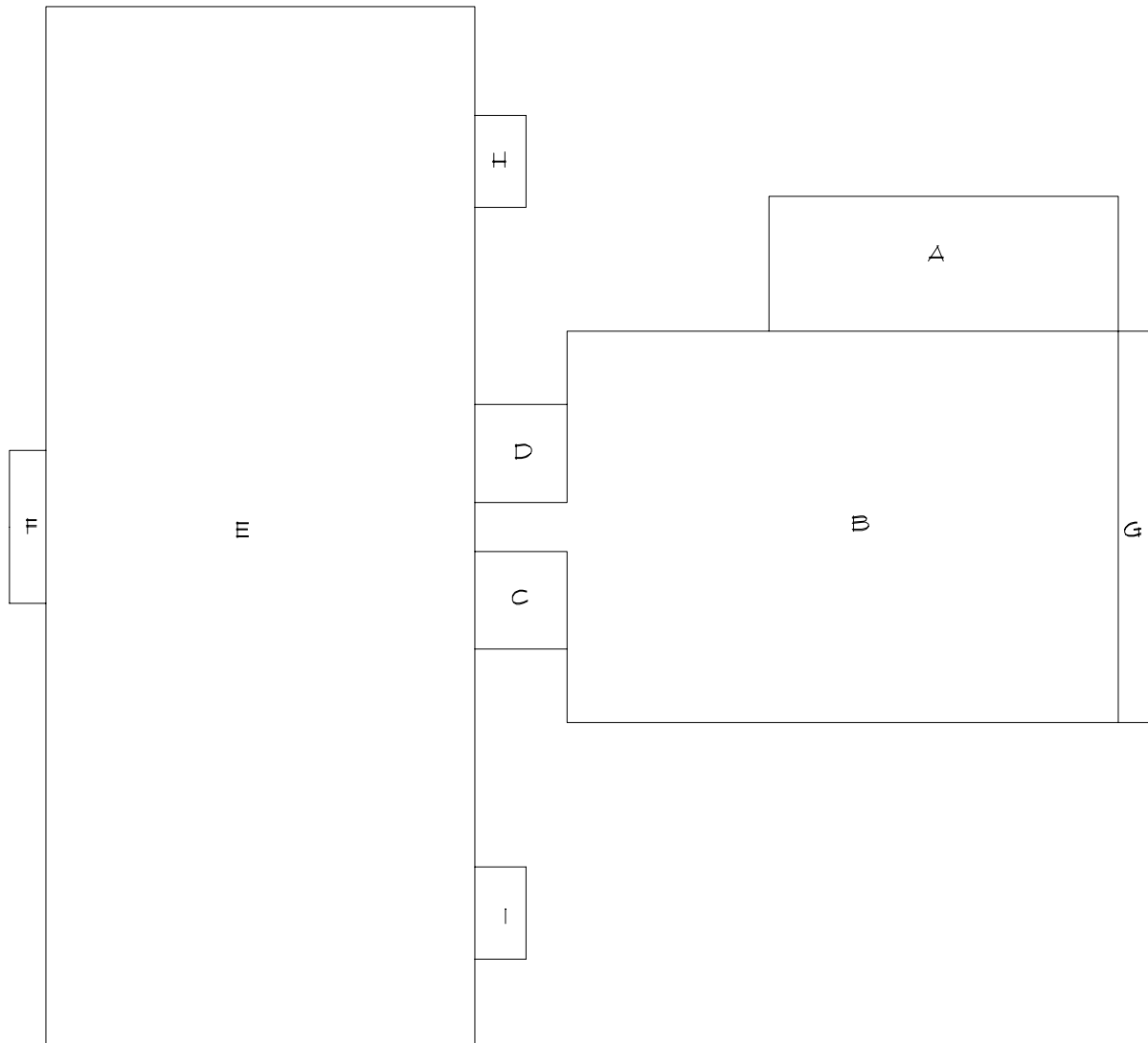
Roof ID

Building: SP350 - Haecker Hall - (1364 Eckles Ave St. Paul)

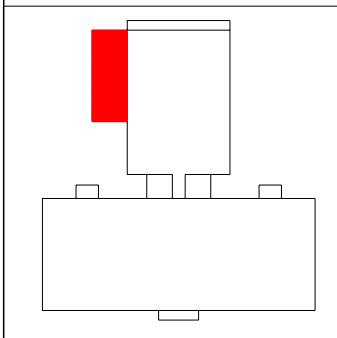
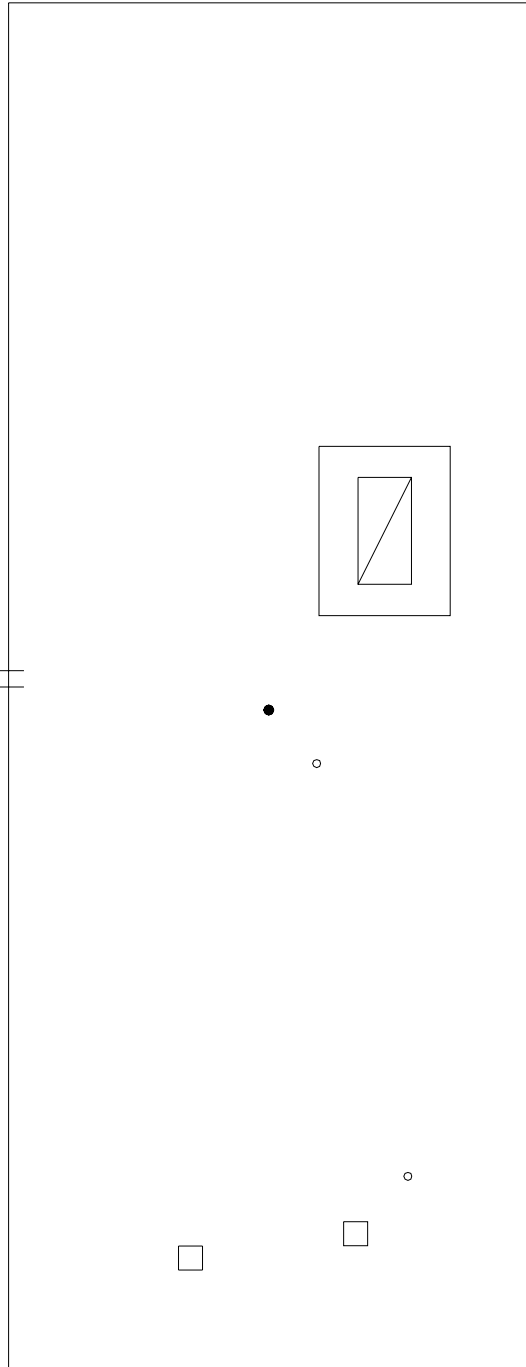
Roof Access: Ladder/manlift

Total Area: 21,166 sf

<u>A</u>	<u>1,254</u> sf	<u>E</u>	<u>12,852</u> sf	<u>I</u>	<u>148</u> sf
<u>B</u>	<u>5,750</u> sf	<u>F</u>	<u>150</u> sf		
<u>C</u>	<u>240</u> sf	<u>G</u>	<u>384</u> sf		
<u>D</u>	<u>240</u> sf	<u>H</u>	<u>148</u> sf		

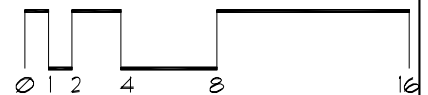


Roof Corrective Action

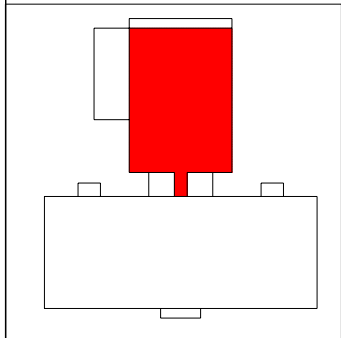
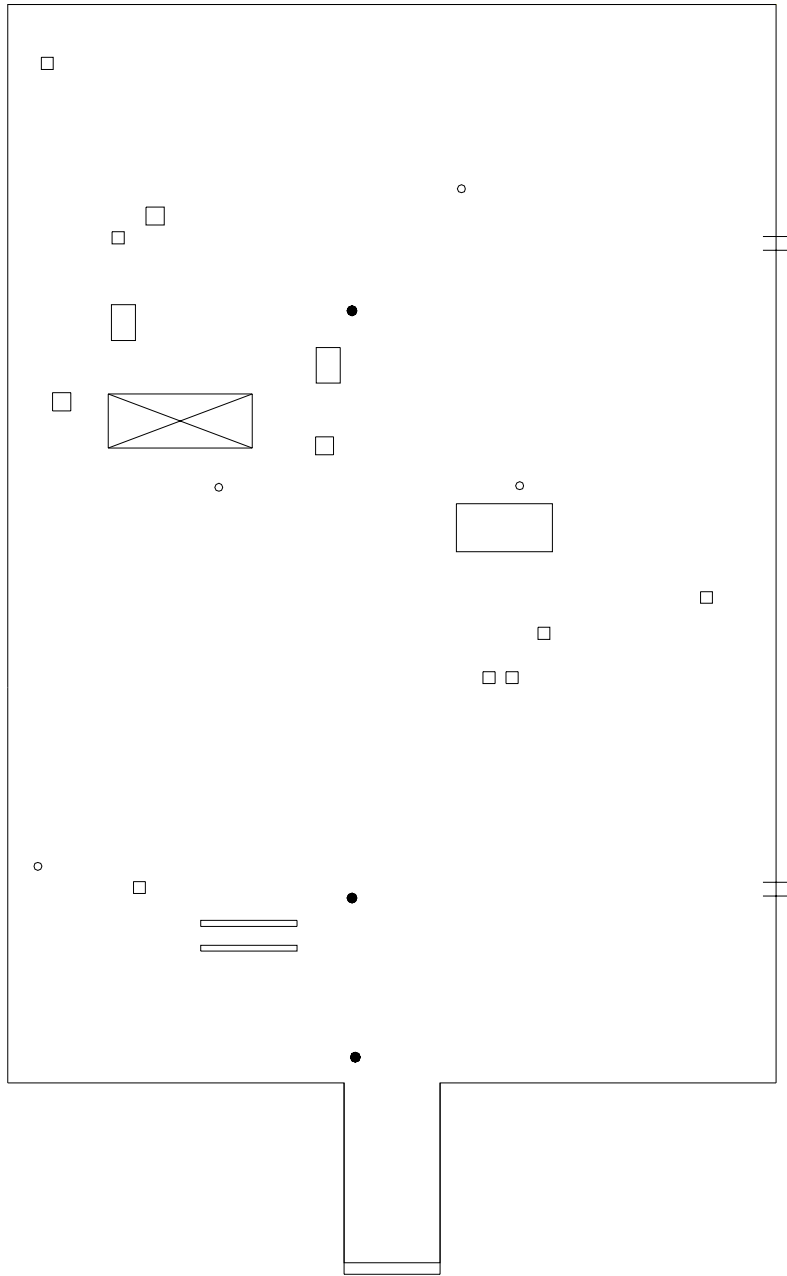


SYMBOLS KEY

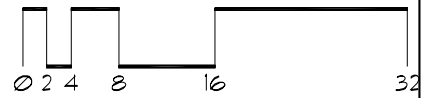
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- ▣ ROOF HATCH
- Ⓢ DEFECT-REPAIR



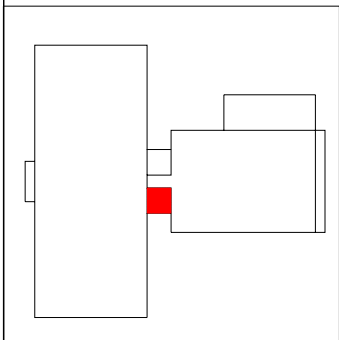
Roof Corrective Action



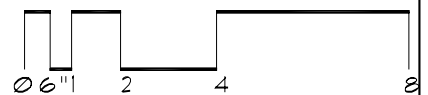
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - † SCUPPER
 - ⊠ SKYLIGHT
 - ≡ SLEEPER CURB
 - ⊙ DEFECT-REPAIR



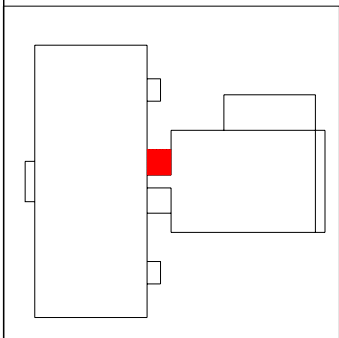
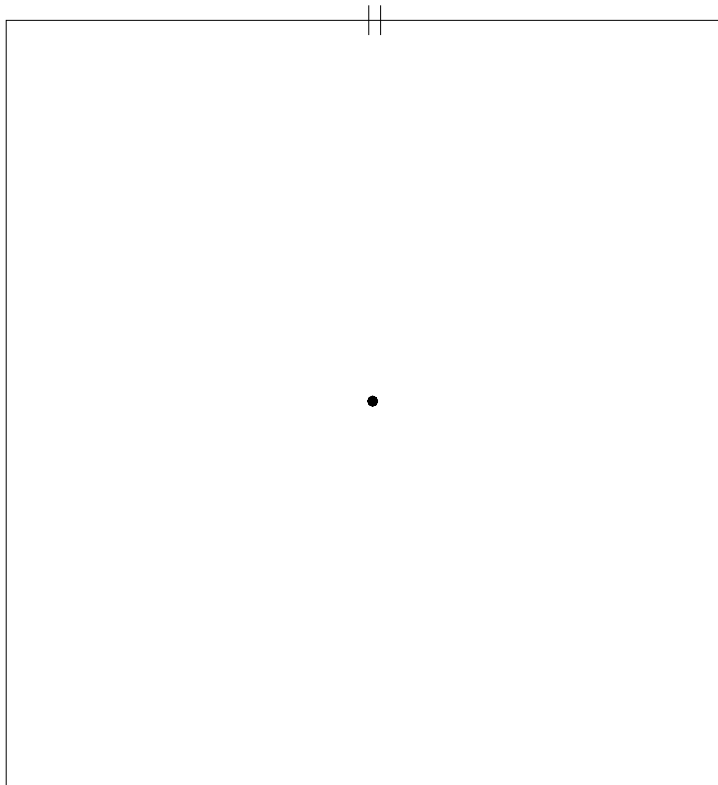
Roof Corrective Action



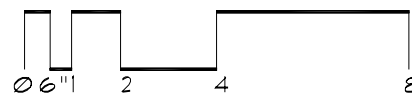
SYMBOLS KEY
① DEFECT-REPAIR



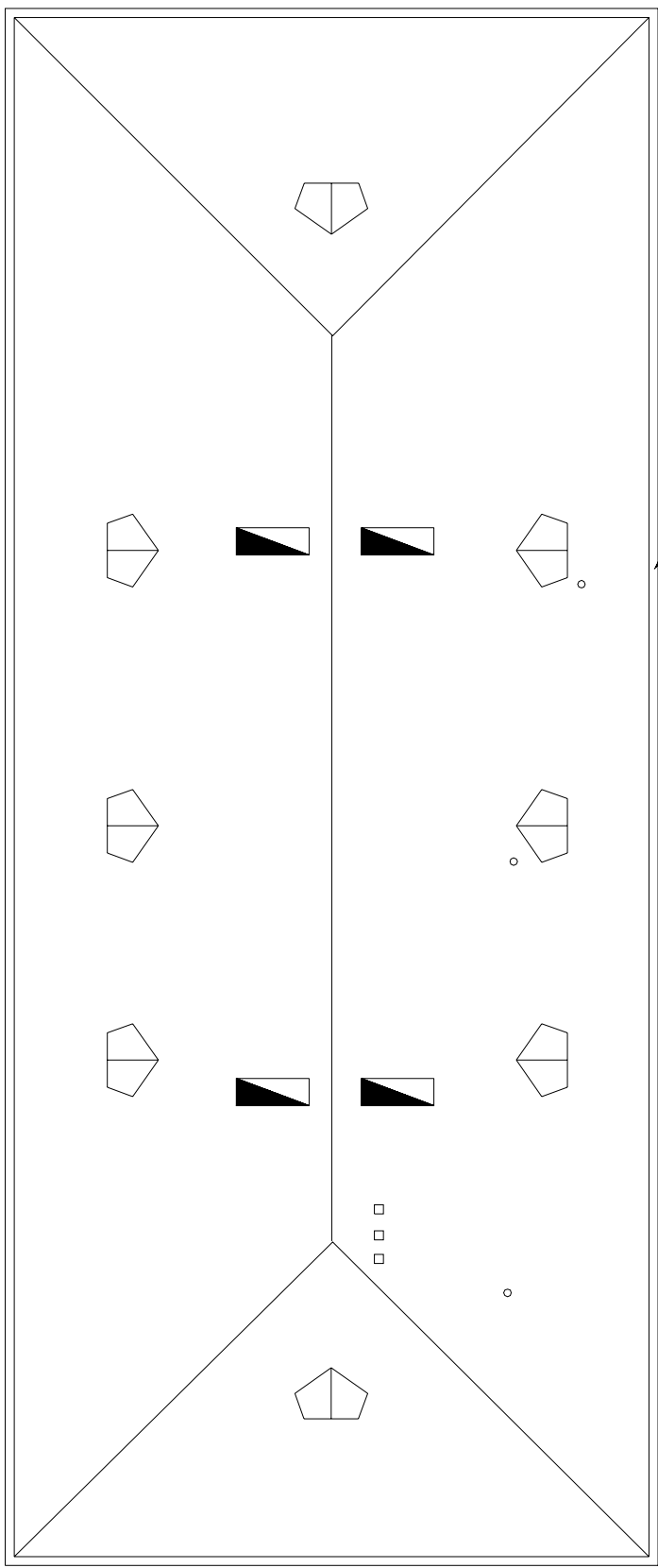
Roof Corrective Action



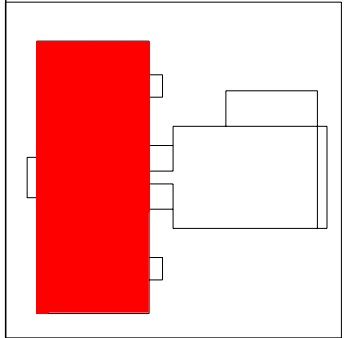
SYMBOLS KEY
● ROOF DRAIN
⋈ SCUPPER



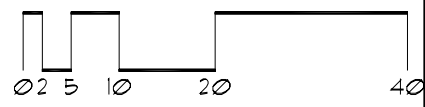
Roof Corrective Action



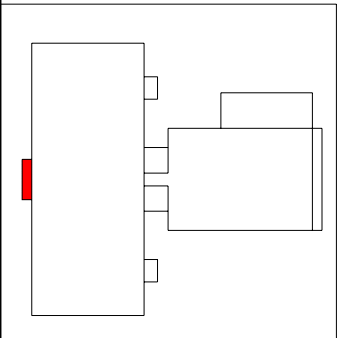
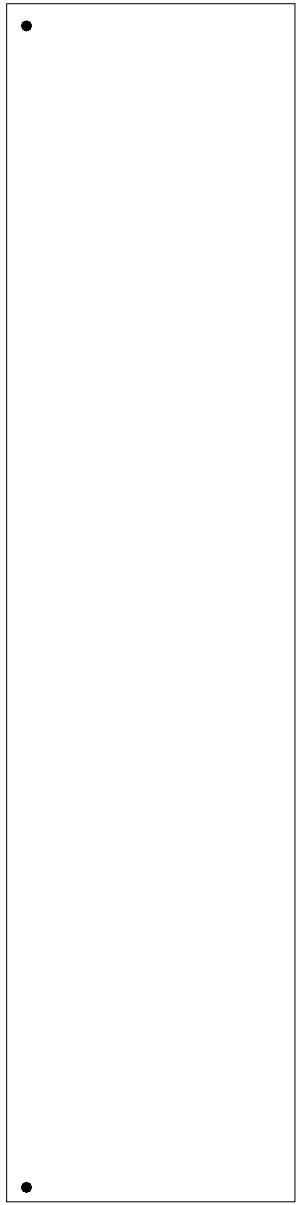
GUTTER



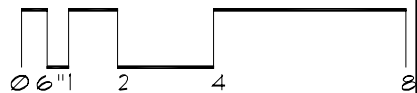
SYMBOLS KEY
□ ROOF CURB
○ VENT STACK



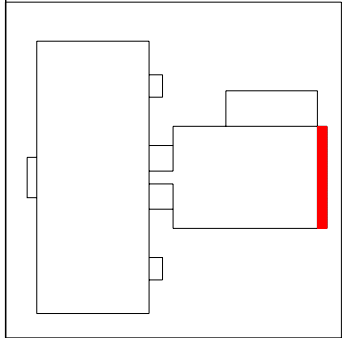
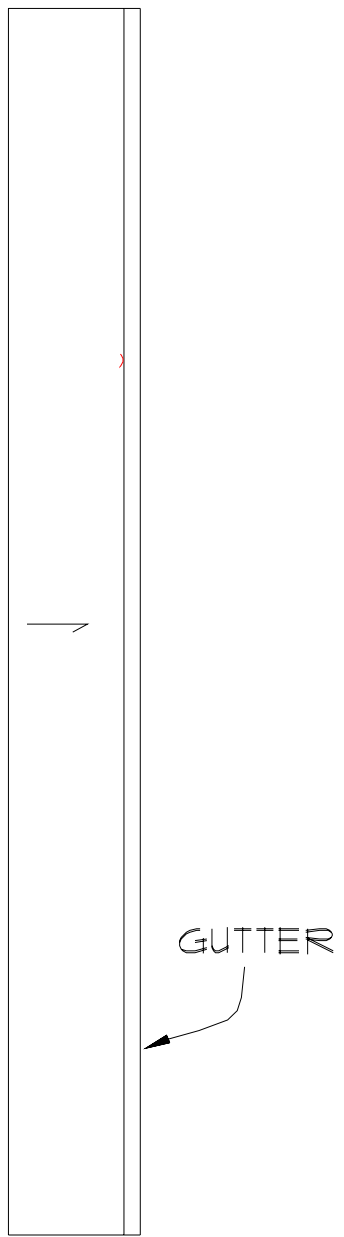
Roof Corrective Action



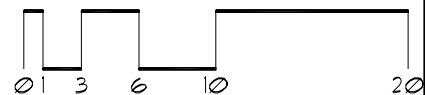
SYMBOLS KEY
• ROOF DRAIN



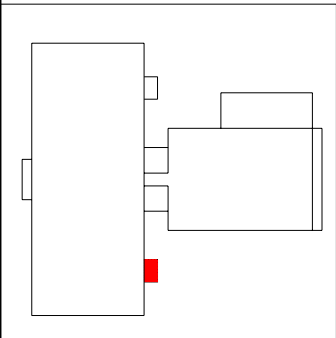
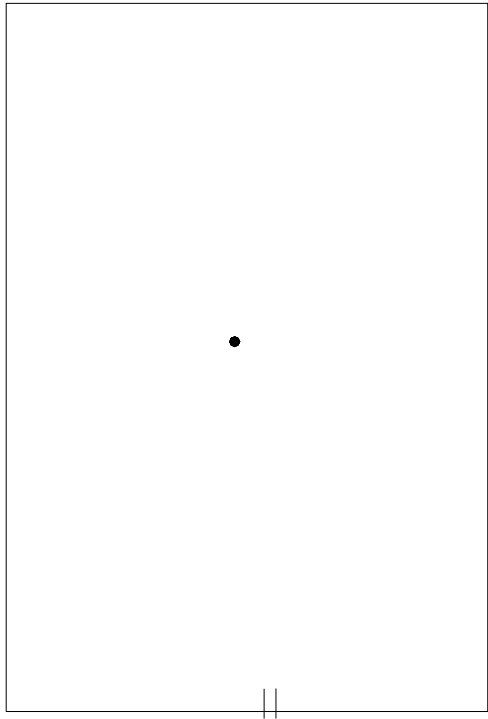
Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION
① DEFECT-REPAIR

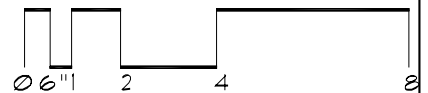


Roof Corrective Action

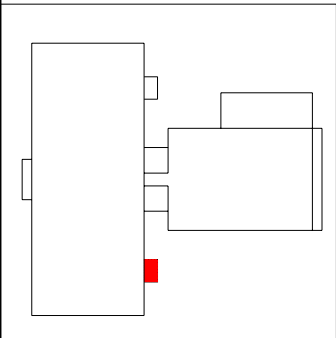
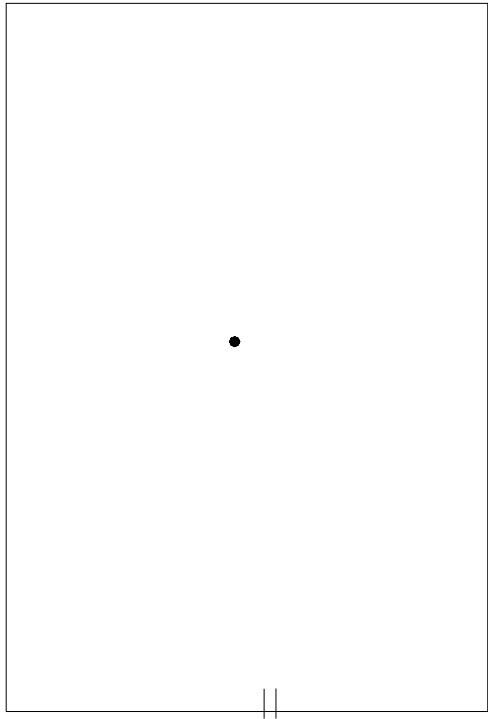


SYMBOLS KEY

- ROOF DRAIN
- † SCUPPER
- Ⓢ DEFECT-REPAIR

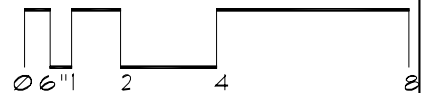


Roof Corrective Action



SYMBOLS KEY

- ROOF DRAIN
- † SCUPPER
- Ⓢ DEFECT-REPAIR



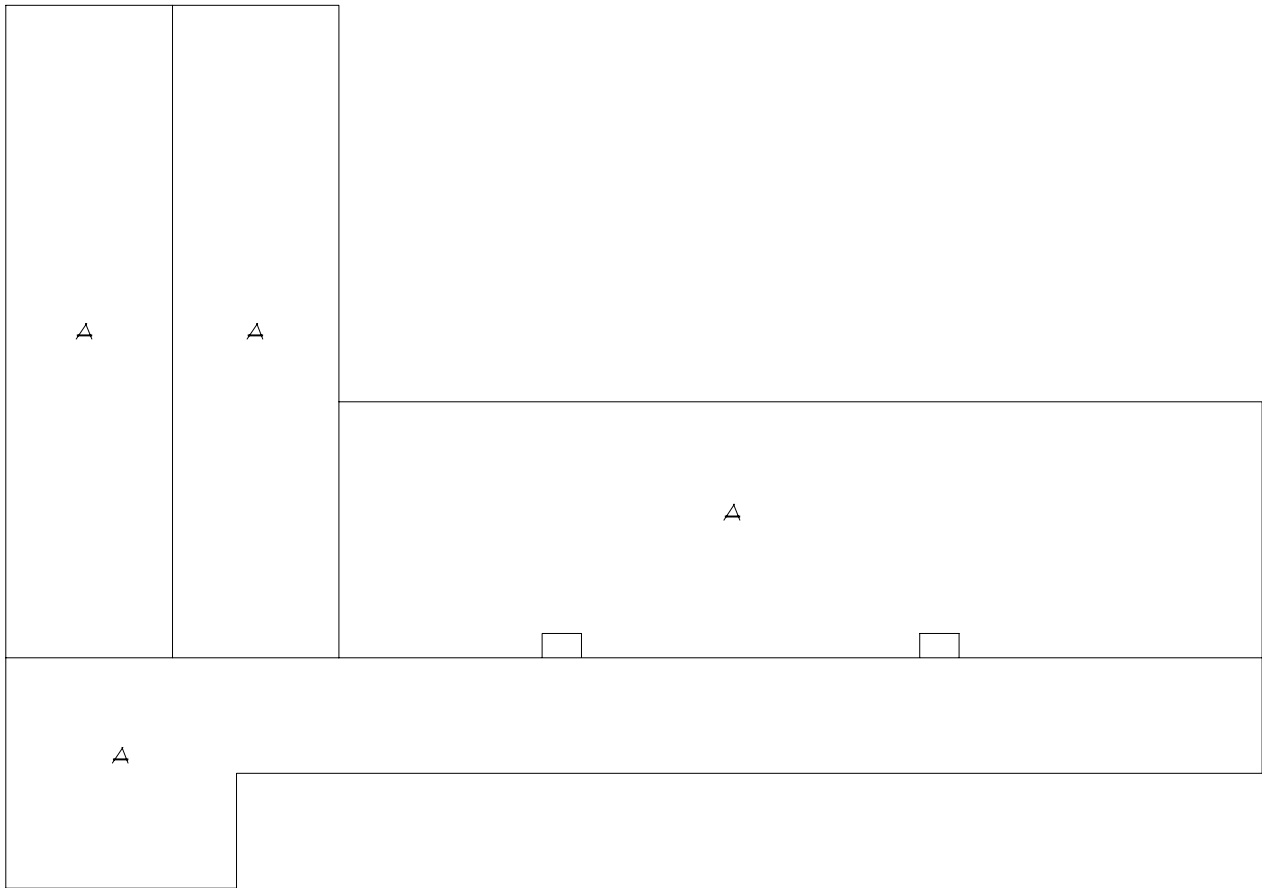
Roof ID

Building: SP351 - Hog Barn #3 - (1845 Buford Ave St Paul, Mn)

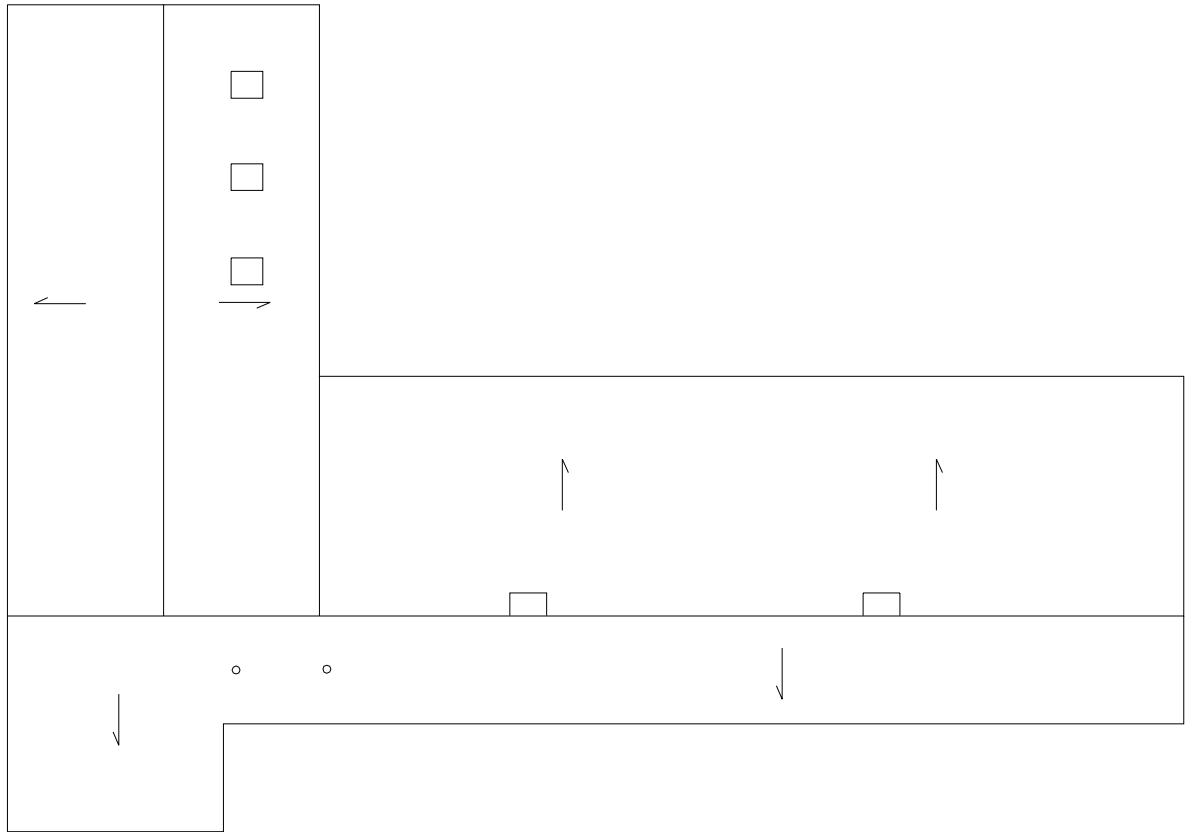
Roof Access: Ladder

Total Area: 4,800 sf

A 4,800 sf

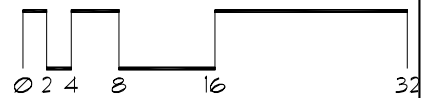


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- VENT STACK
- SLOPE DIRECTION
- ① DEFECT-REPAIR



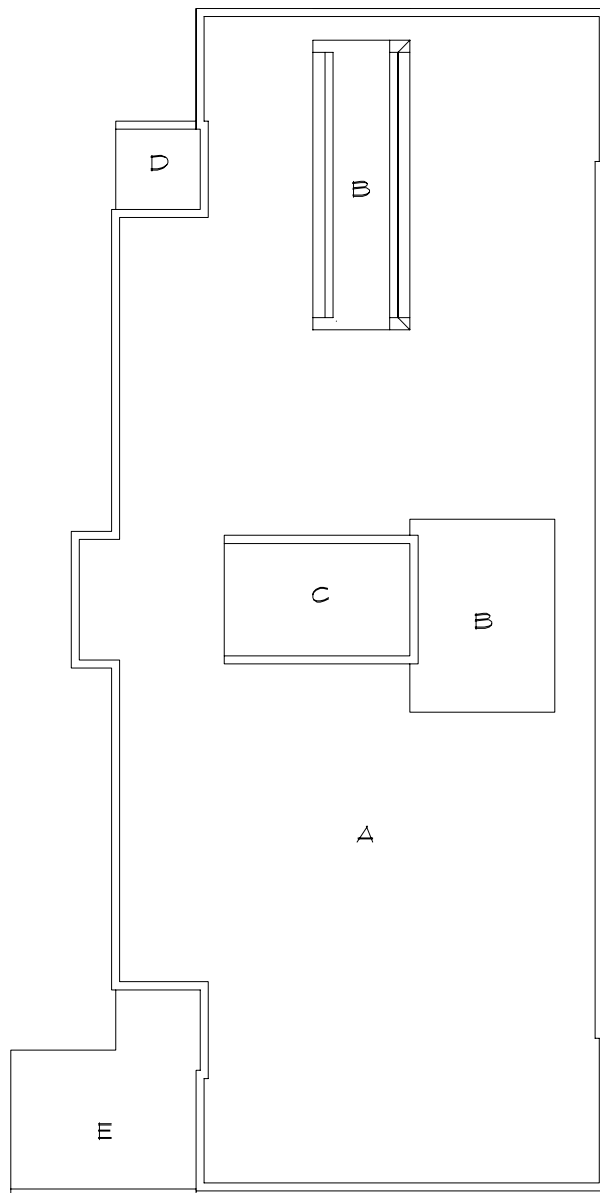
Roof ID

Building: SP352 - Snyder Hall - (1475 Gortner Ave., St. Paul)

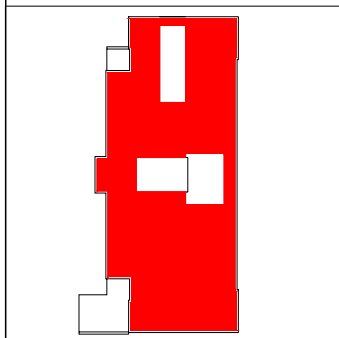
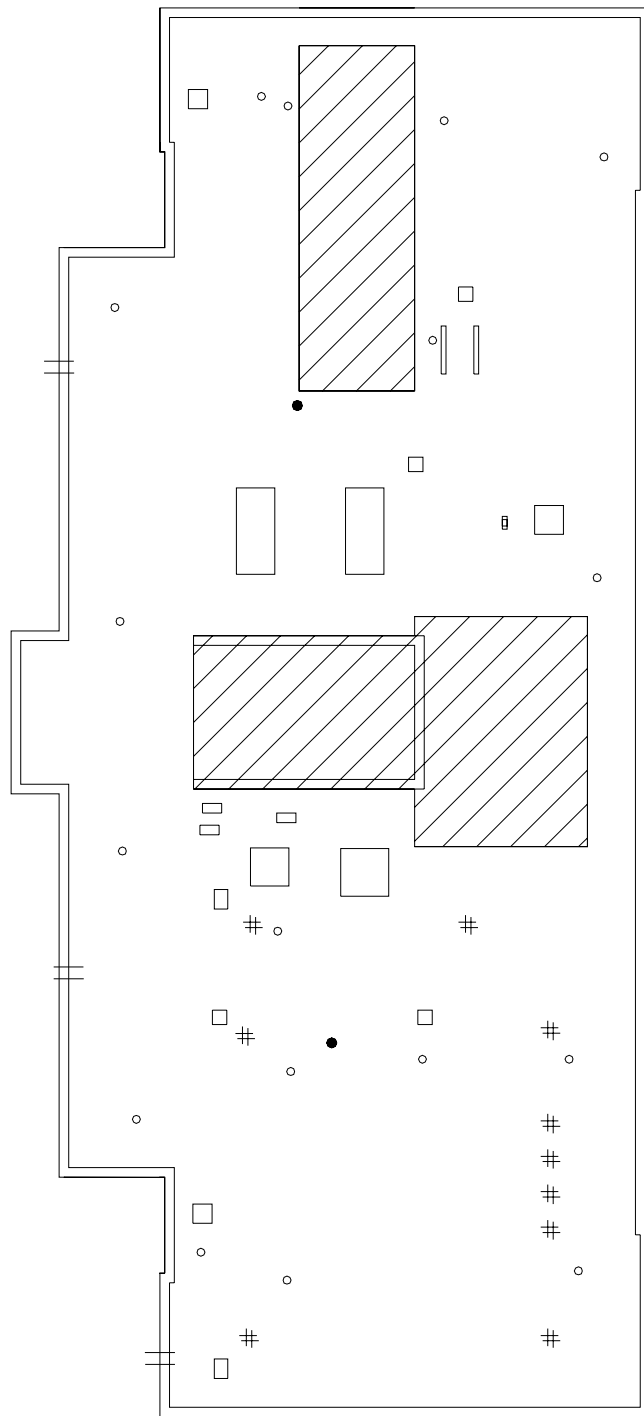
Roof Access: Elevator to top floor, custodial closet left of elevator, go through door inside closet and up spiral staircase

Total Area: 9,074 sf

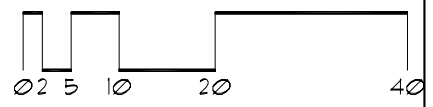
A	<u>7,265</u> sf	E	<u>461</u> sf
B	<u>864</u> sf		
C	<u>384</u> sf		
D	<u>100</u> sf		



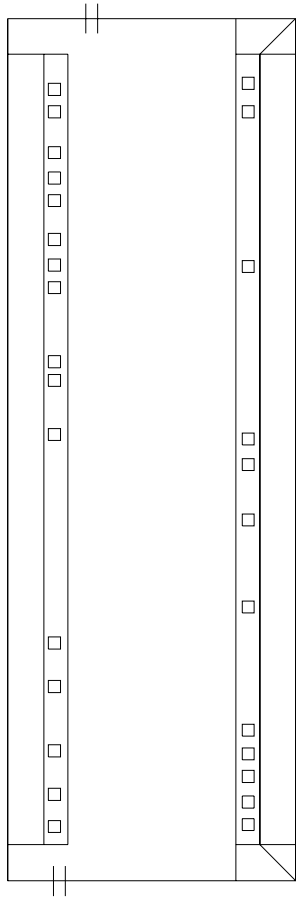
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ⊖ DEFECT-NO REPAIR
 - ⊕ DEFECT-REPAIR
 - ⊞ SCUPPER

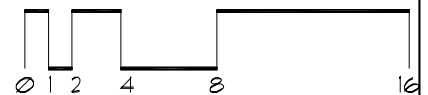
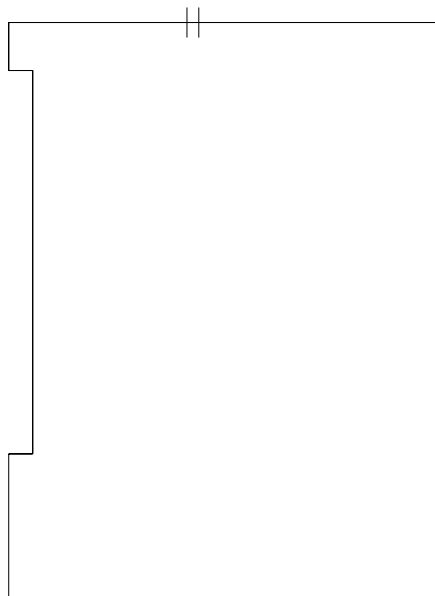
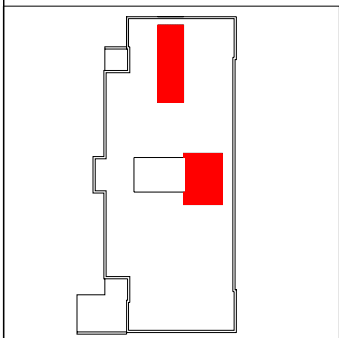


Roof Corrective Action

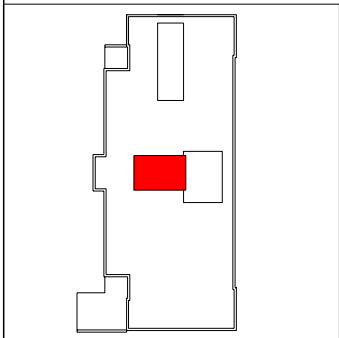
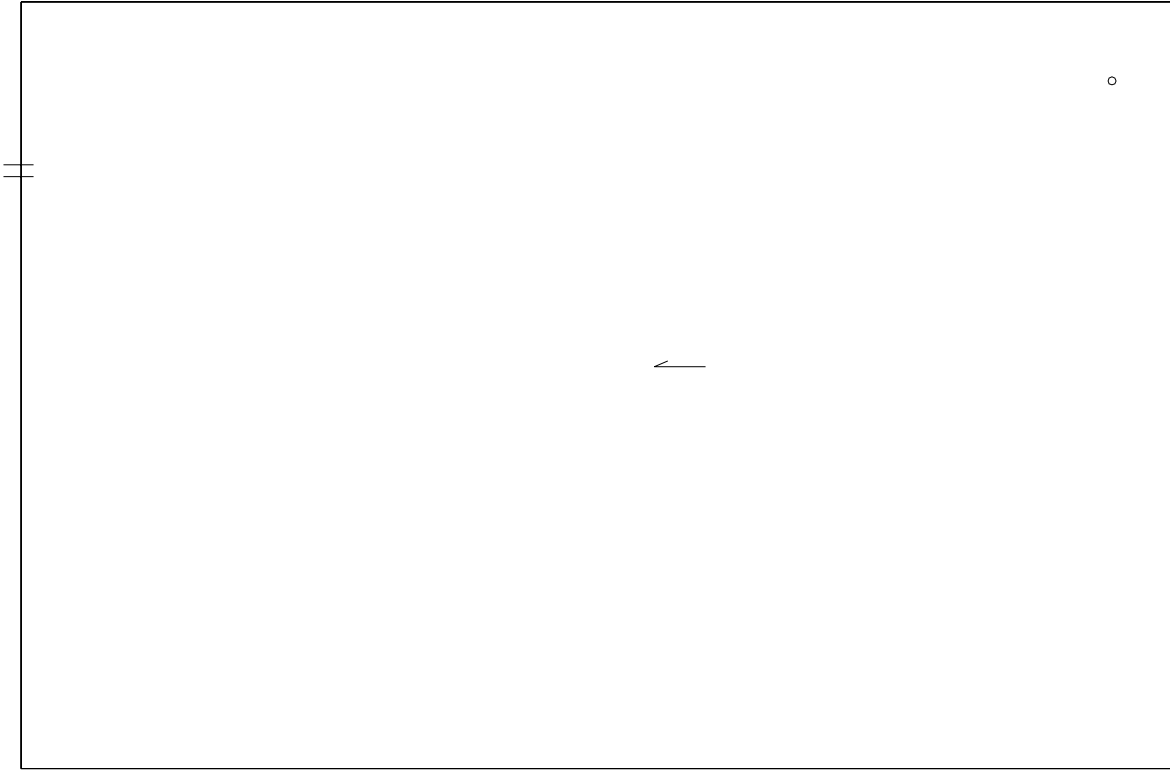


SYMBOLS KEY

- ROOF CURB
- ⊕ SCUPPER
- ① DEFECT-NO REPAIR

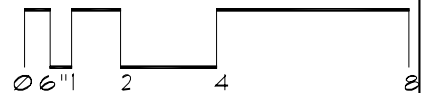


Roof Corrective Action

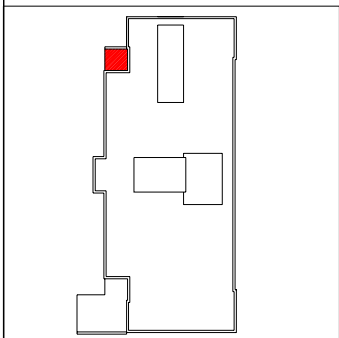
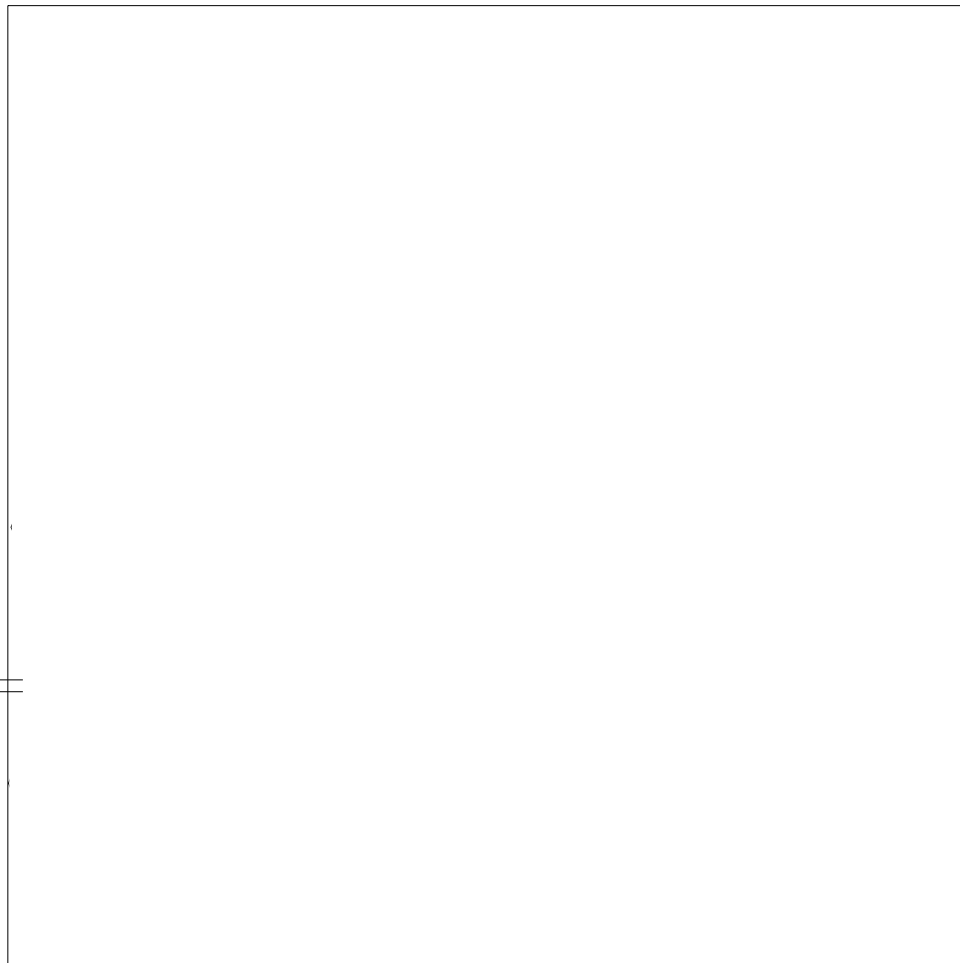


SYMBOLS KEY

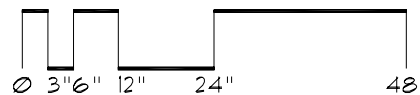
- VENT STACK
- ⊥ SCUPPER
- DEFECT-REPAIR
- SLOPE DIRECTION



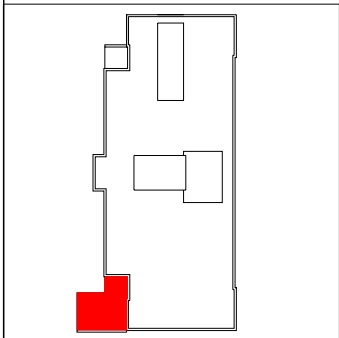
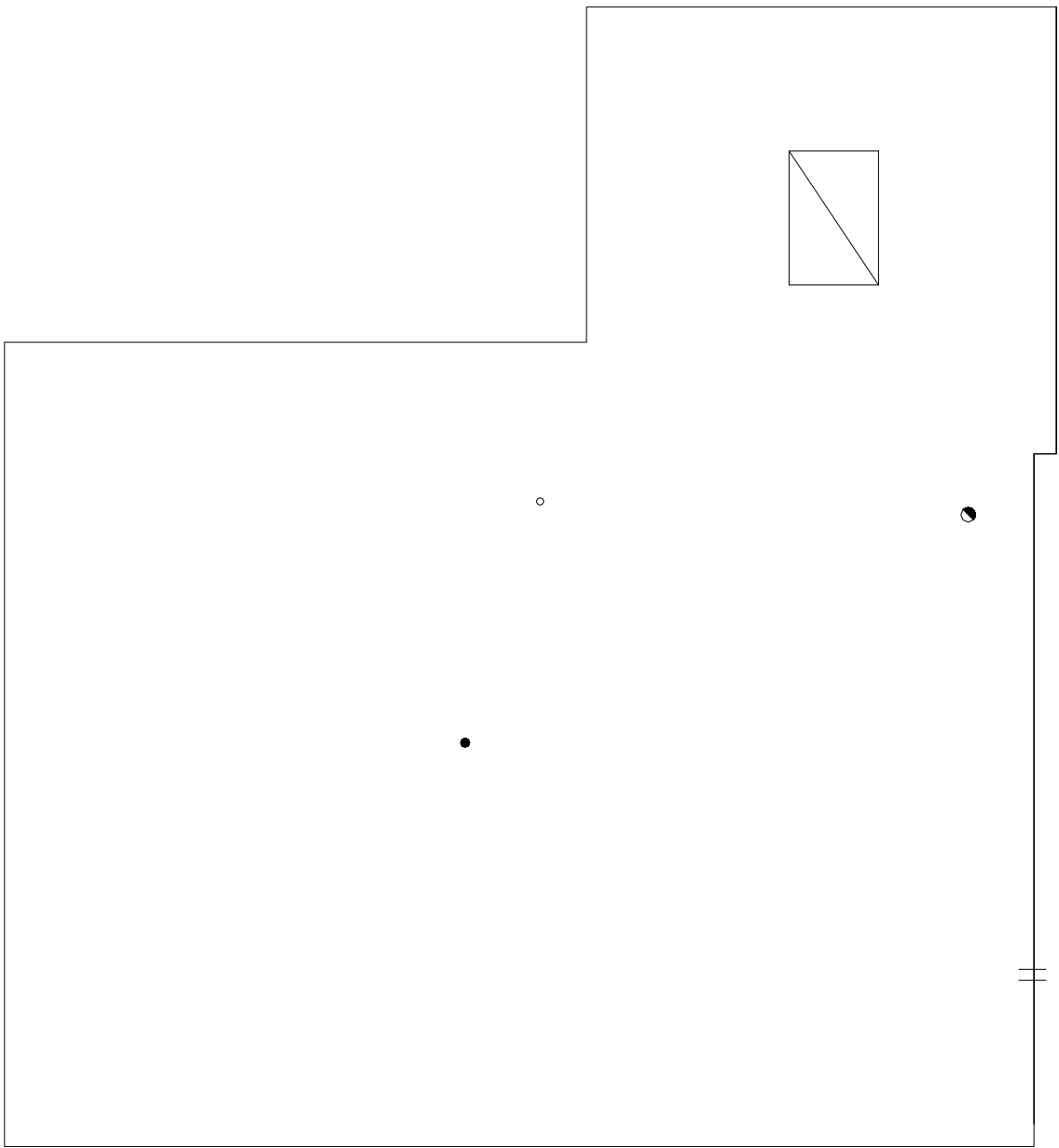
Roof Corrective Action



- SYMBOLS KEY
- ⊕ SCUPPER
 - ⊖ DEFECT-REPAIR
 - ⊙ DEFECT-NO REPAIR

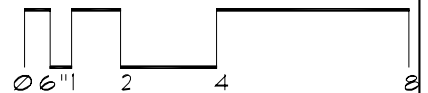


Roof Corrective Action



SYMBOLS KEY

- ☐ ROOF HATCH
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- HEAT STACK
- Ⓢ DEFECT-REPAIR



Roof ID

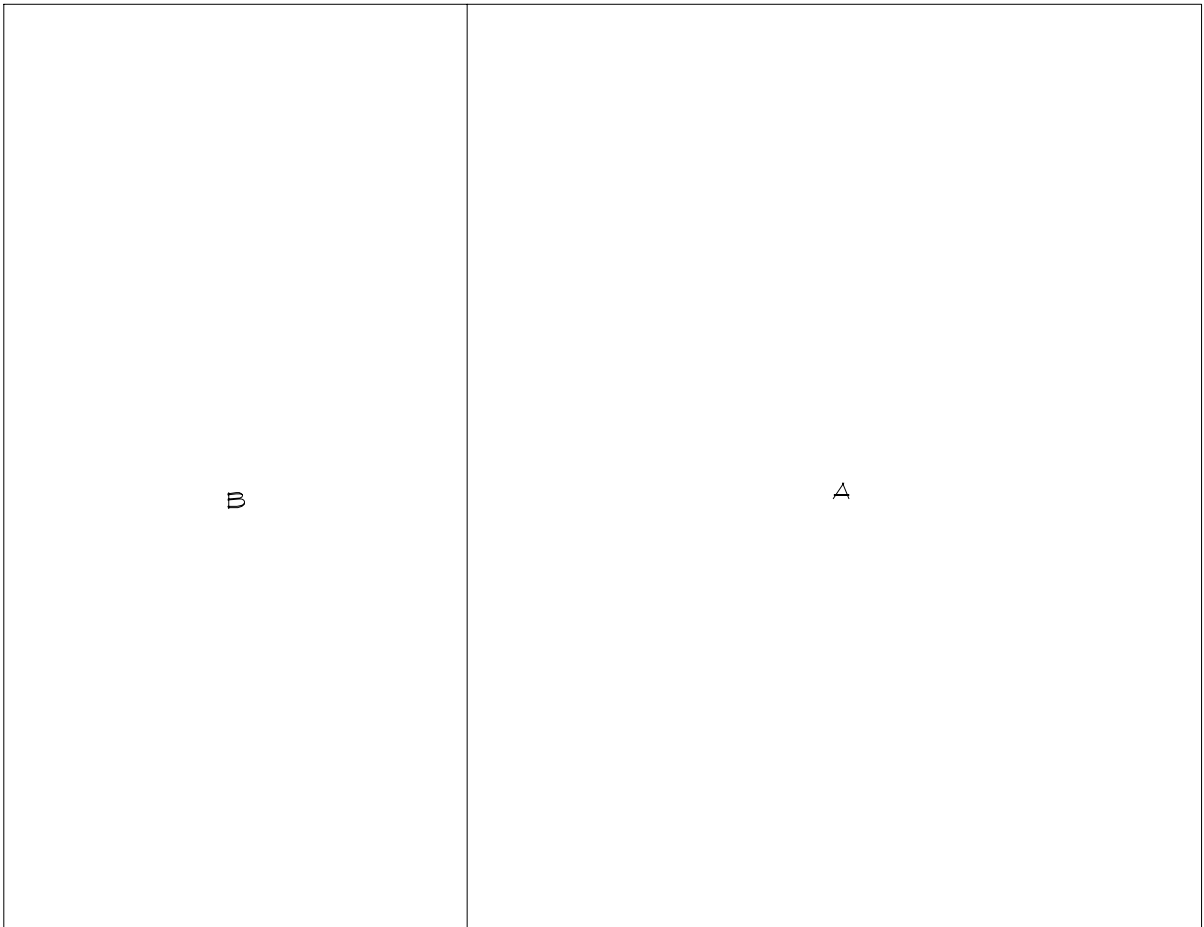
Building: SP353 - KUOM Radio - (2088 Roselawn West St. Paul, Mn)

Roof Access: Ladder

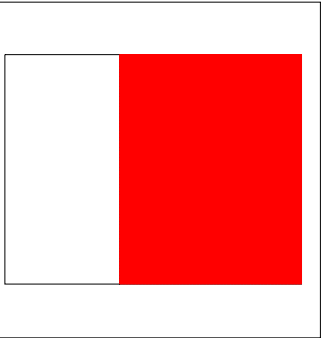
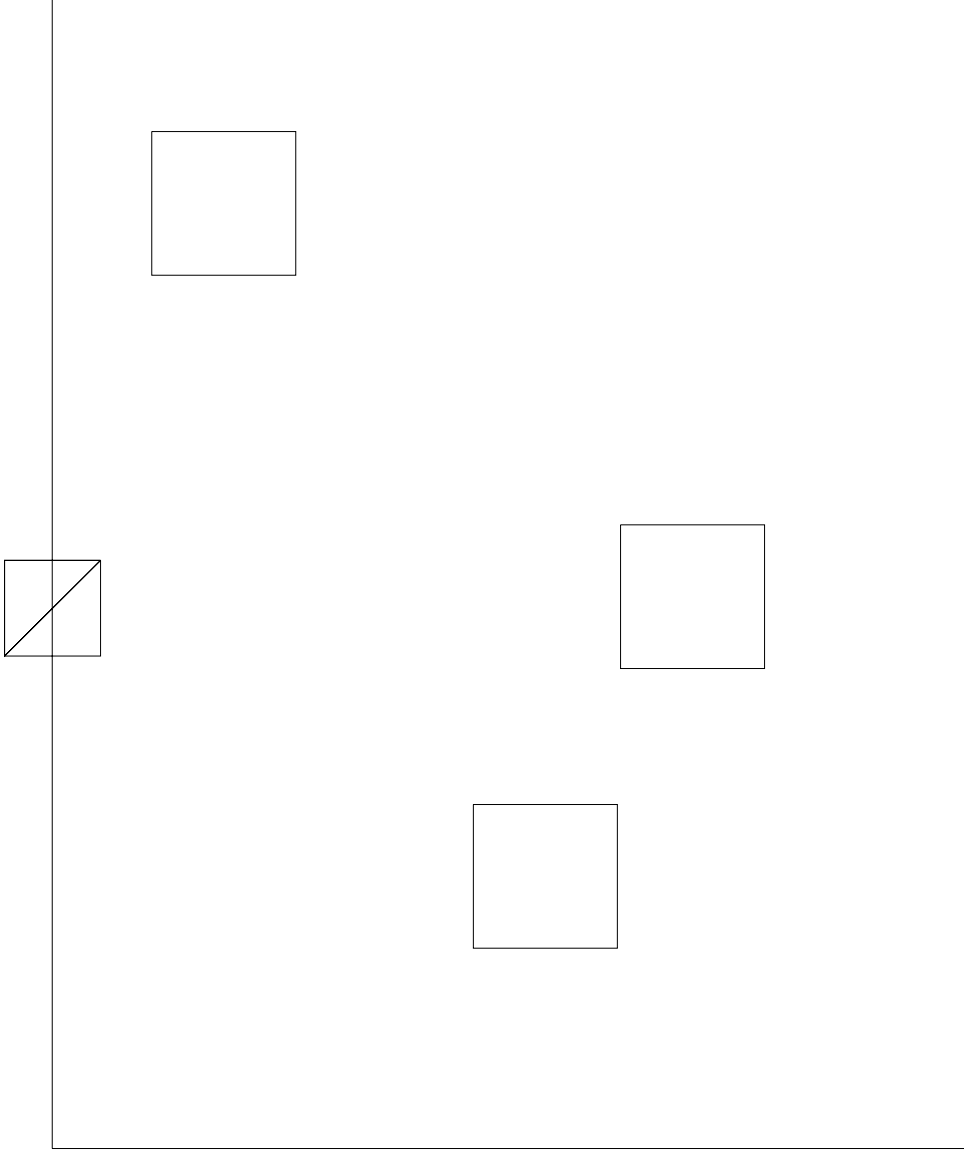
Total Area: 744 sf

A 456 sf

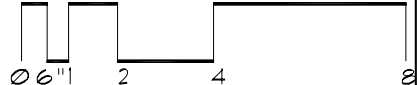
B 288 sf



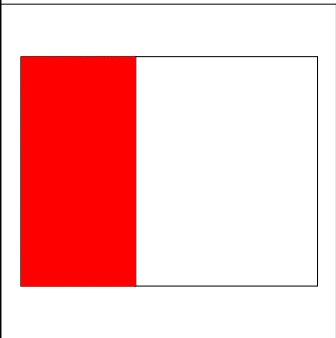
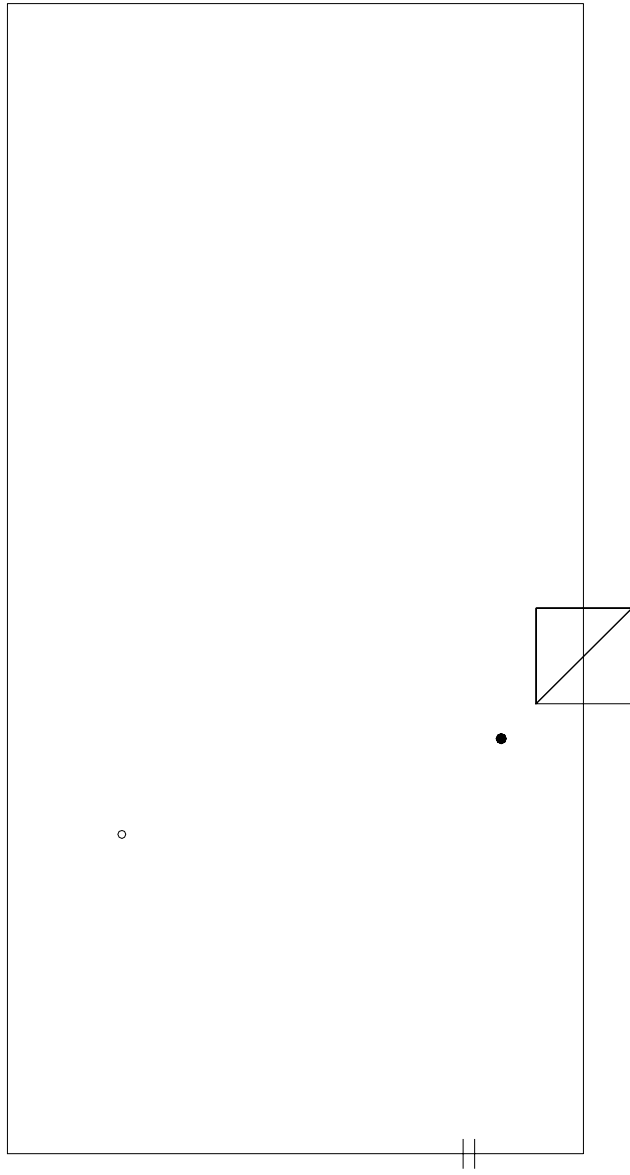
Roof Corrective Action



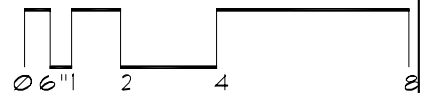
SYMBOLS KEY
□ ROOF CURB
Ⓢ DEFECT-REPAIR



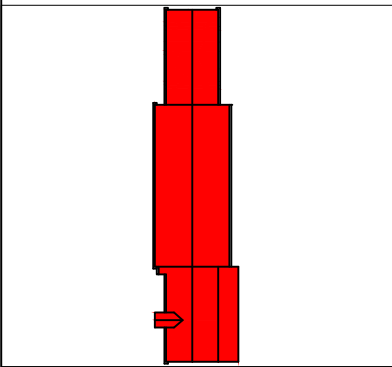
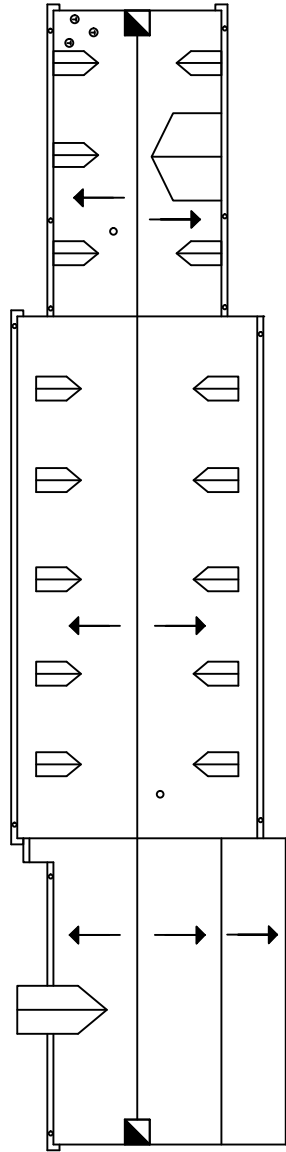
Roof Corrective Action



- SYMBOLS KEY
- ROOF DRAIN
 - VENT STACK
 - ① DEFECT-NO REPAIR

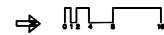


Roof Corrective Action



SYMBOLS KEY

- CHIMNEY
- ⊕ ROOF ANCHOR
- VENT
- SLOPE DIRECTION



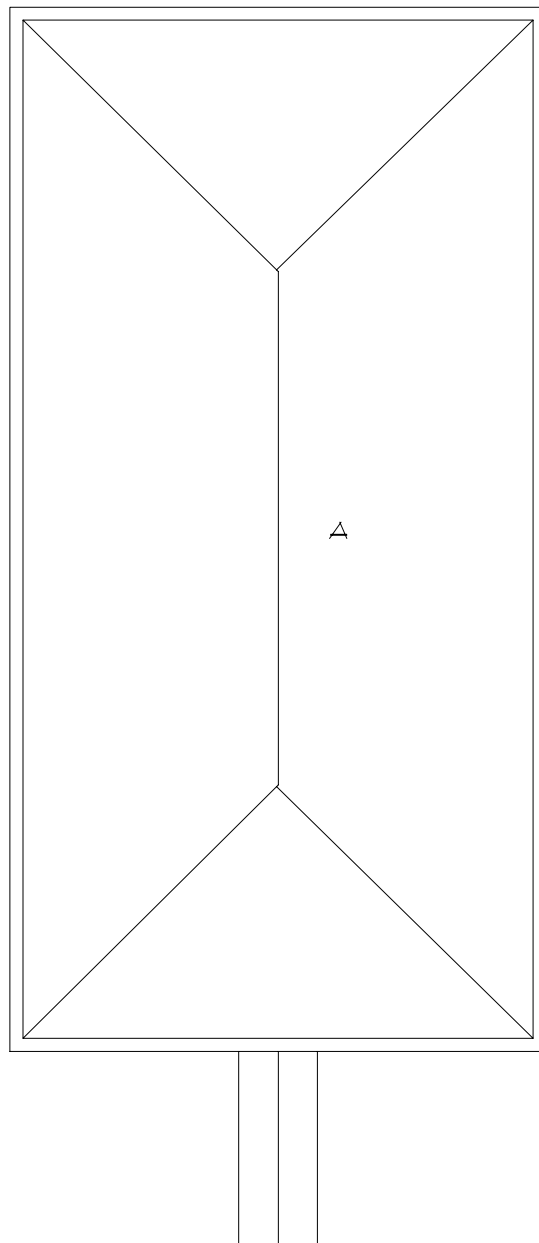
Roof ID

Building: SP355 - Farm Crop Field House - (1922 Hendon Ave)

Roof Access: Ladder

Total Area: 3,542 sf

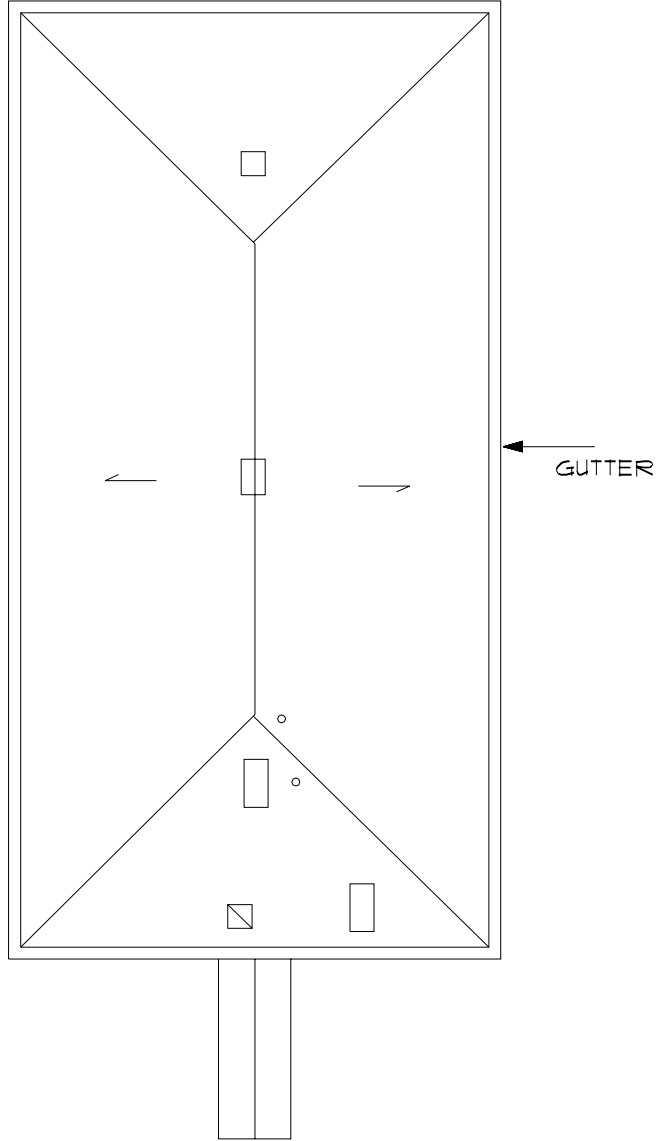
A 3,542 sf



SYMBOLS KEY

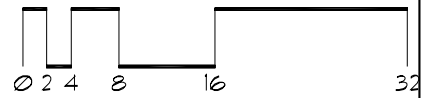


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- VENT STACK
- SLOPE DIRECTION
- ⊕ DEFECT-NO REPAIR



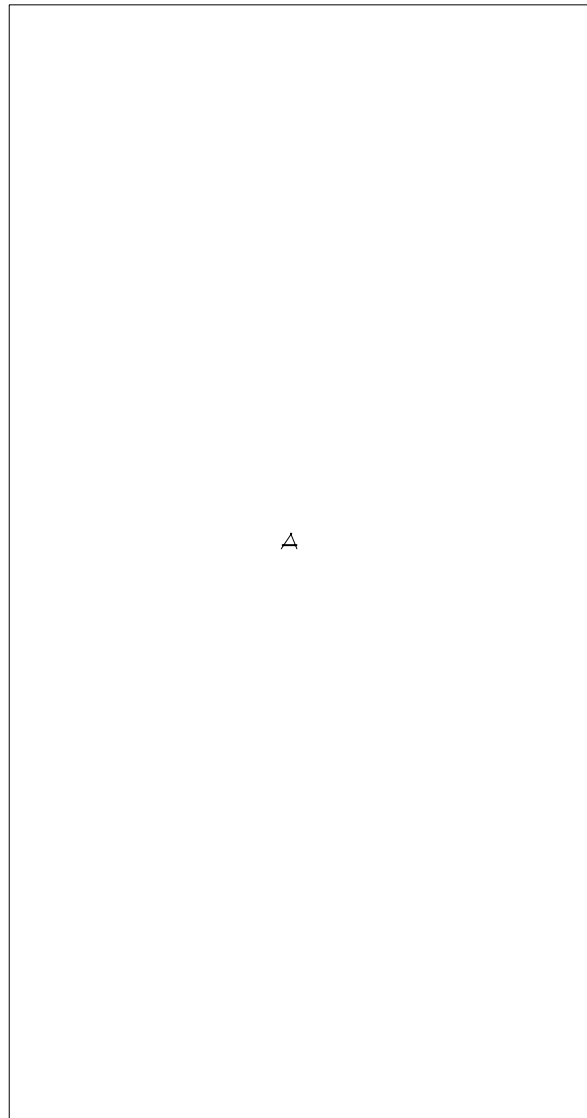
Roof ID

Building: SP356 - Bee Lab - (2118 Larpenteur W. St. Paul)

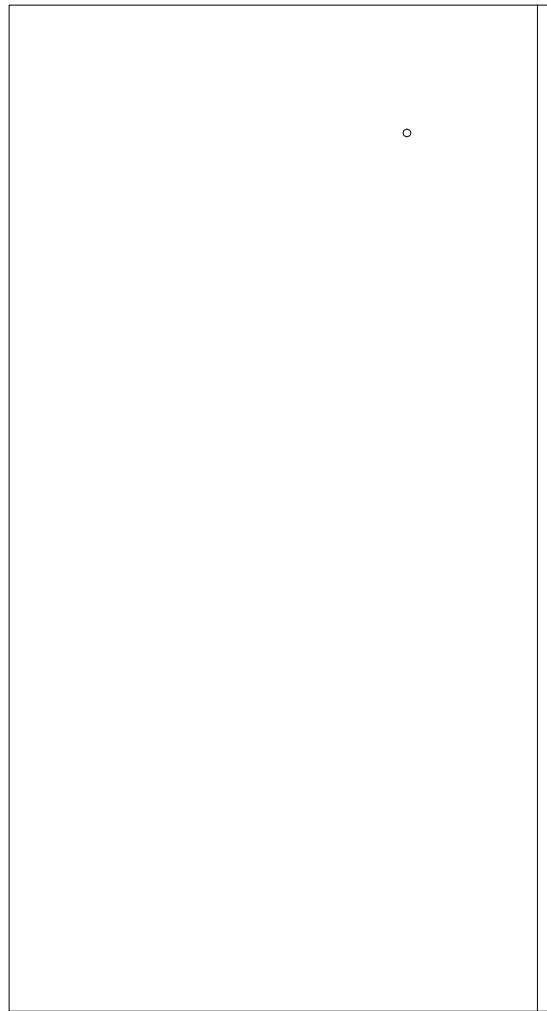
Roof Access: Ladder

Total Area: 924 sf

A 924 sf



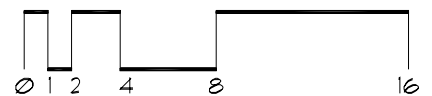
Roof Corrective Action



← GUTTER

SYMBOLS KEY

- VENT STACK
- ① DEFECT-NO REPAIR



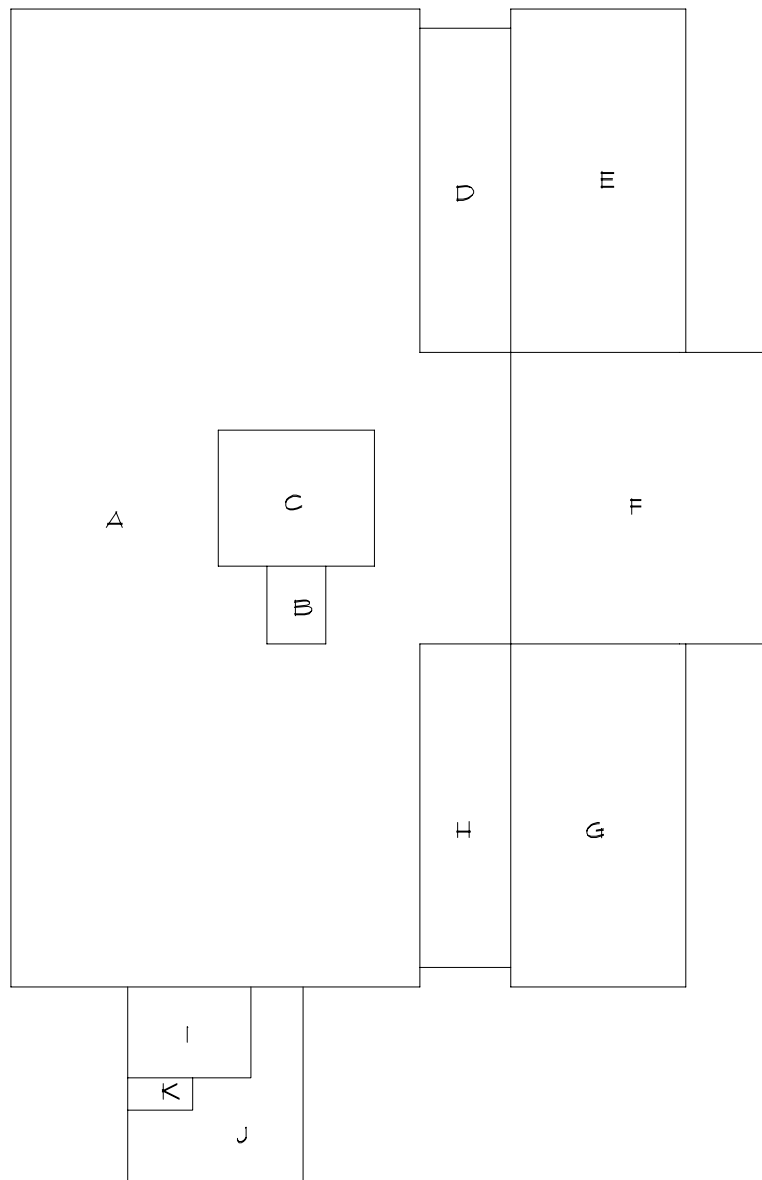
Roof ID

Building: SP357 - Green Hall - (1530 Cleveland Ave, St.paul)

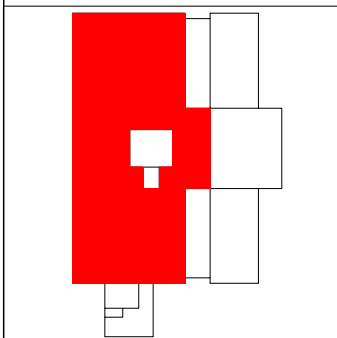
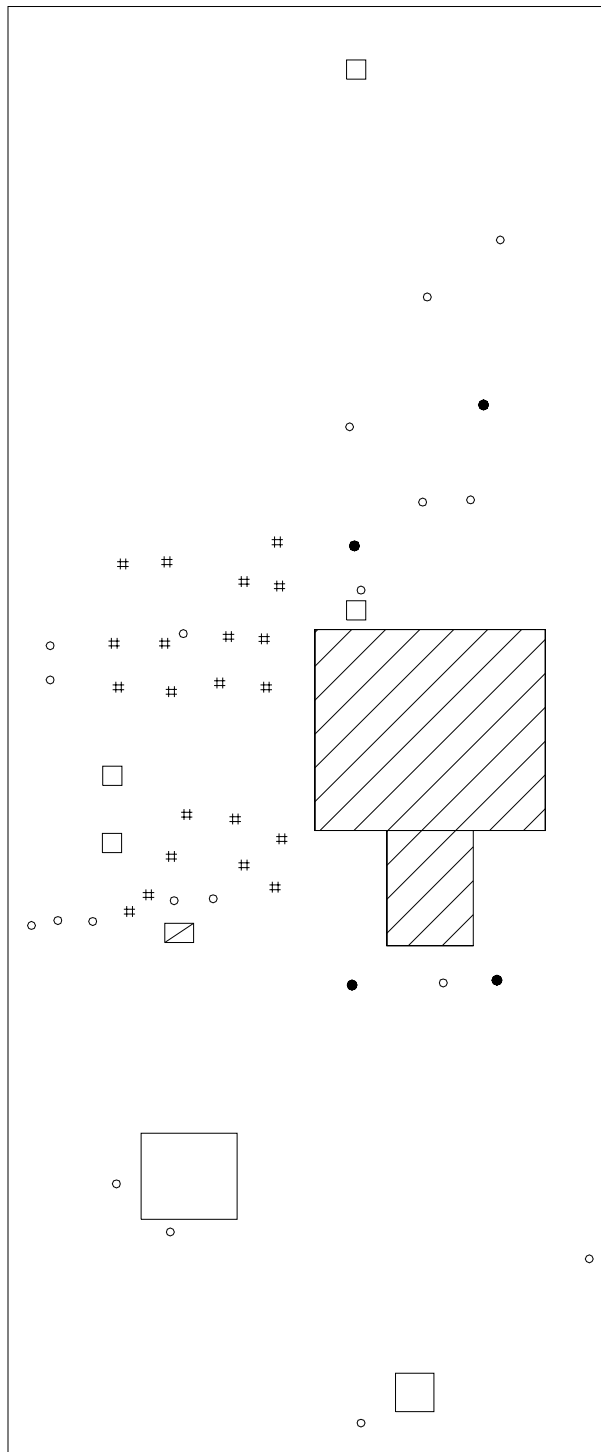
Roof Access: Access A, B, C, D & H door next to women's bathroom, next to room 305-Access F through rm 210C or 30' Ladder(EFG)
12' ladder for I-K

Total Area: 17,019 sf

<u>A</u>	<u>9,531</u> sf	<u>E</u>	<u>1,404</u> sf	<u>I</u>	<u>266</u> sf
<u>B</u>	<u>108</u> sf	<u>F</u>	<u>2,025</u> sf	<u>J</u>	<u>467</u> sf
<u>C</u>	<u>504</u> sf	<u>G</u>	<u>1,404</u> sf	<u>K</u>	<u>50</u> sf
<u>D</u>	<u>630</u> sf	<u>H</u>	<u>630</u> sf		

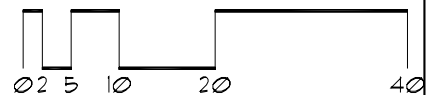


Roof Corrective Action

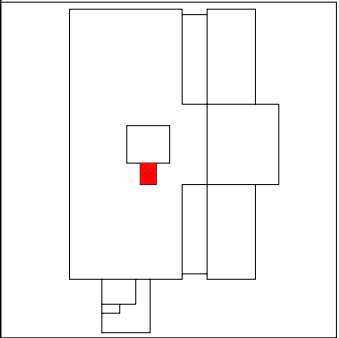
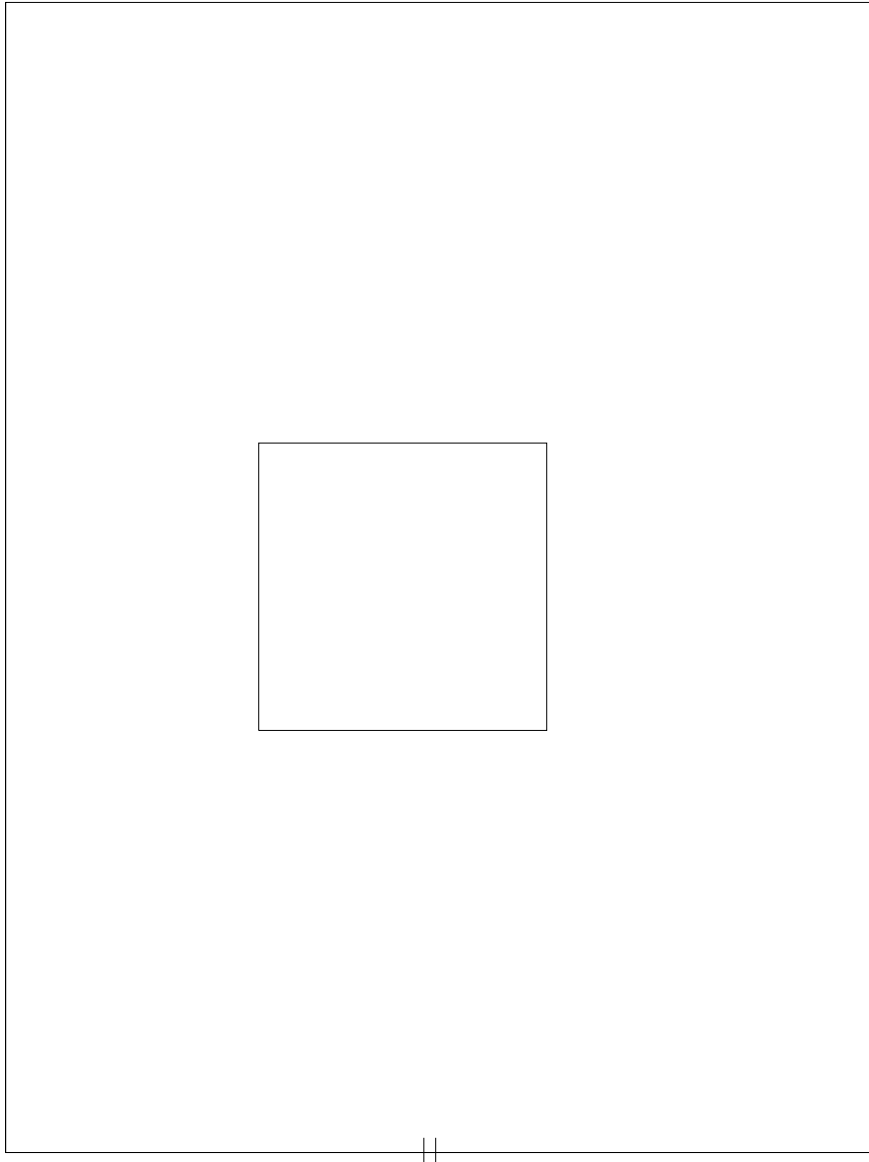


SYMBOLS KEY

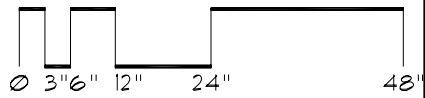
- ROOF CURB
- ▨ ROOF HATCH
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- † SCUPPER
- ▧ DEFECT-REPAIR



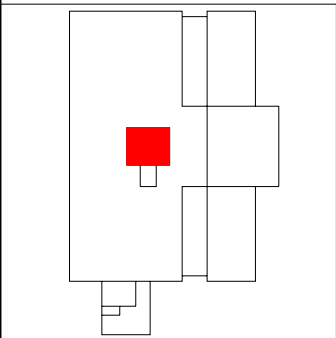
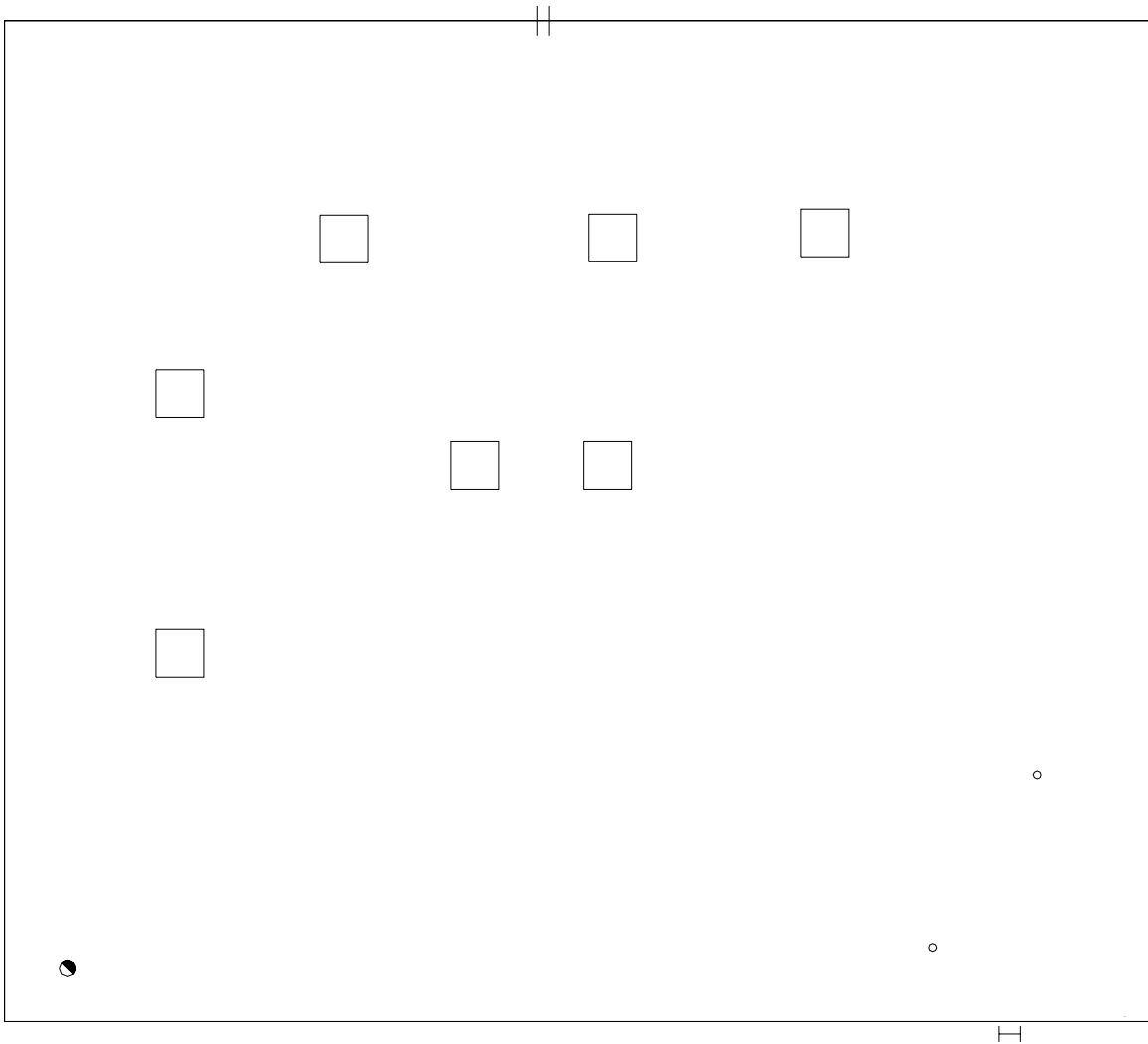
Roof Corrective Action



SYMBOLS KEY	
□	ROOF CURB
⦶	SCUPPER
	DEFECT-REPAIR

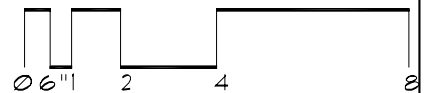


Roof Corrective Action

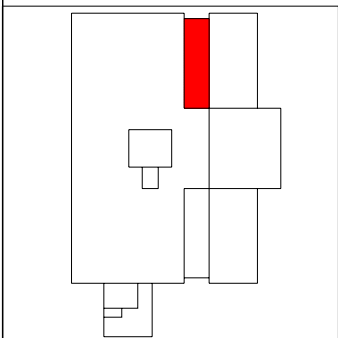
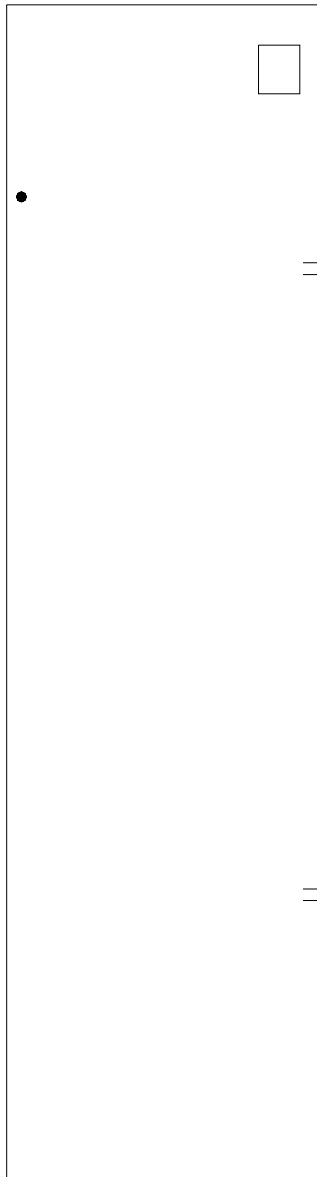


SYMBOLS KEY

- ROOF CURB
- VENT STACK
- ⦶ SCUPPER
- HEAT STACK
- ⊖ DEFECT-REPAIR
- ⊕ DEFECT-NO REPAIR
- I LADDER

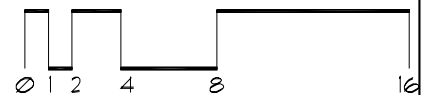


Roof Corrective Action

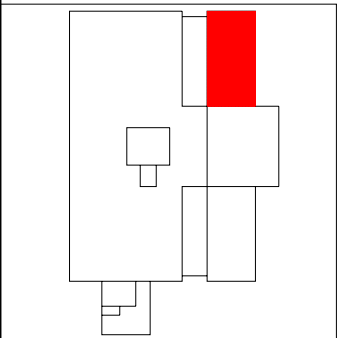
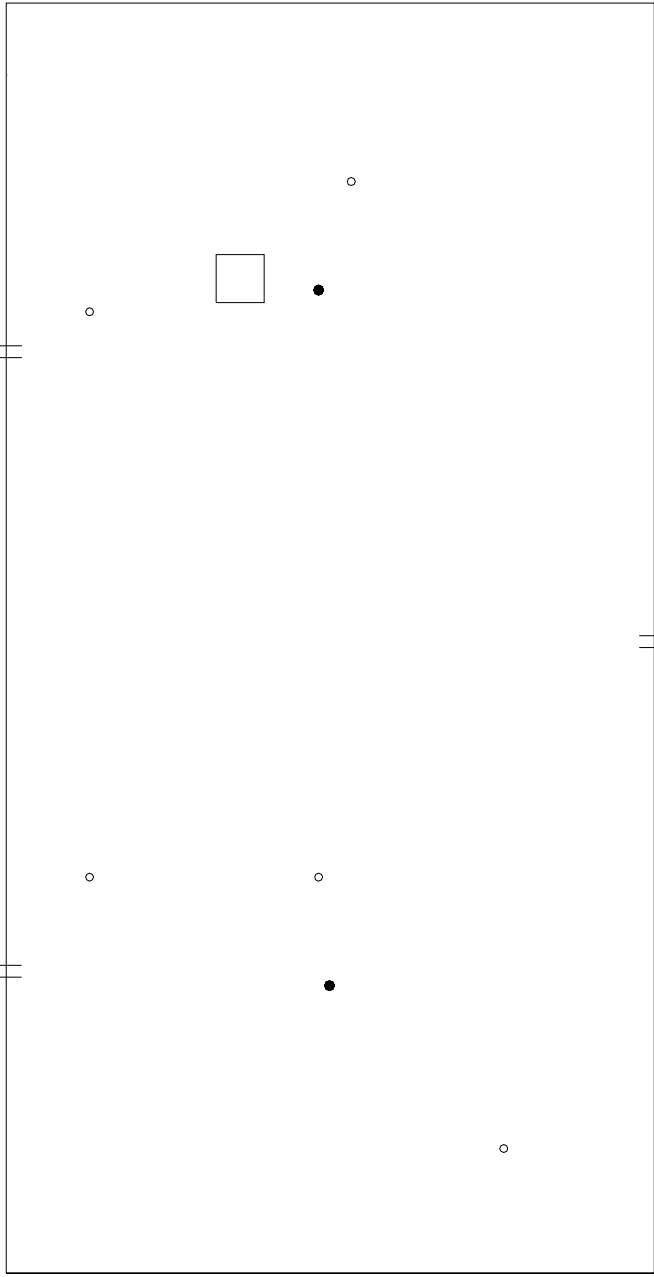


SYMBOLS KEY

- SMOKEHATCH
- ROOF DRAIN
- ≡ SCUPPER
- ① DEFECT-REPAIR

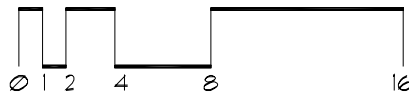


Roof Corrective Action

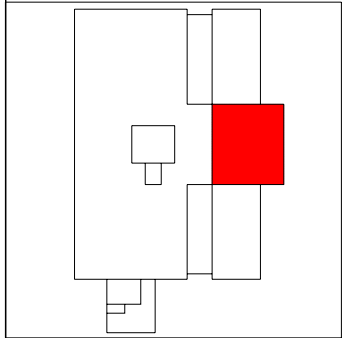
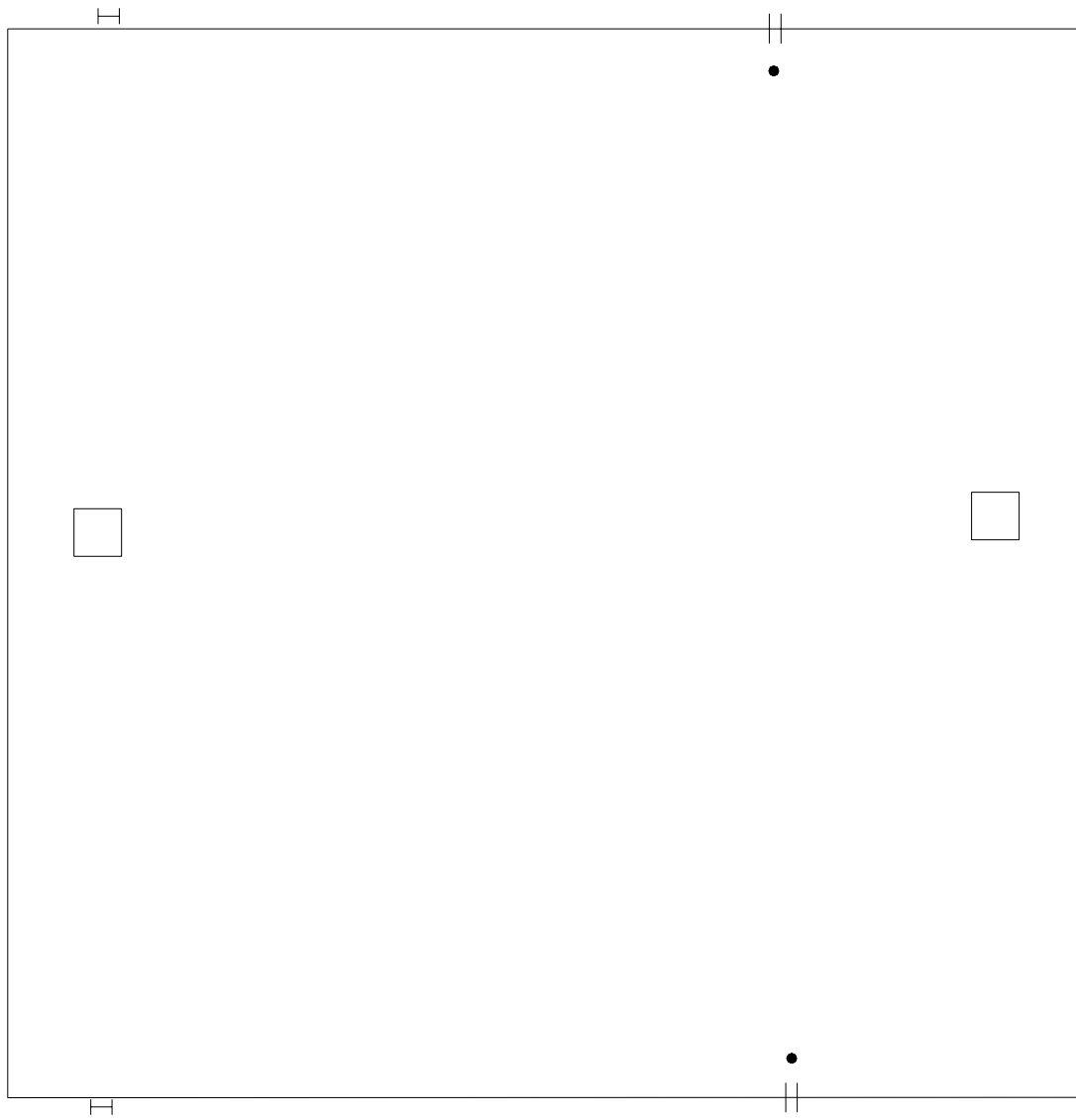


SYMBOLS KEY

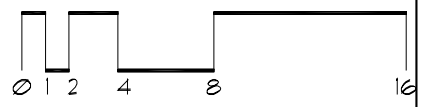
- ROOF CURB
- † SCUPPER
- ROOF DRAIN
- VENT STACK



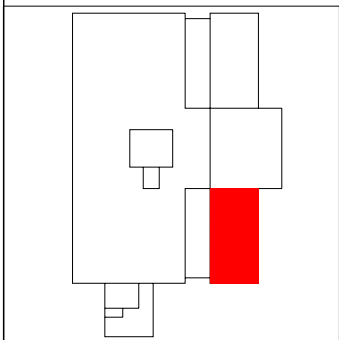
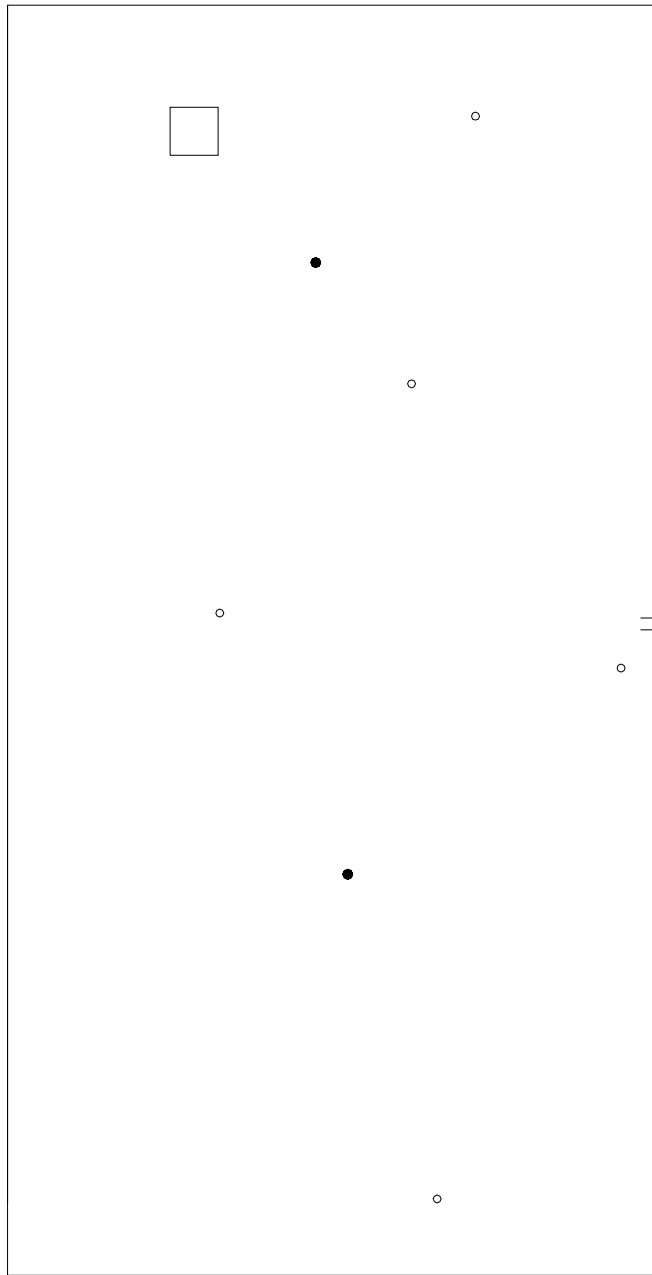
Roof Corrective Action



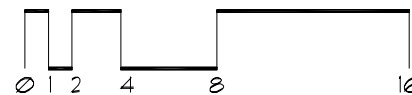
- SYMBOLS KEY**
- ROOF CURB
 - || SCUPPER
 - ROOF DRAIN
 - I LADDER



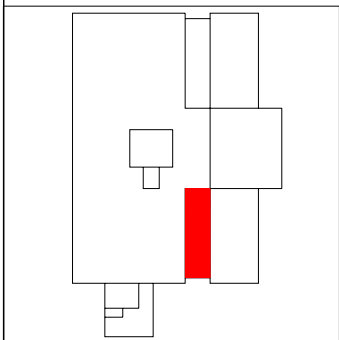
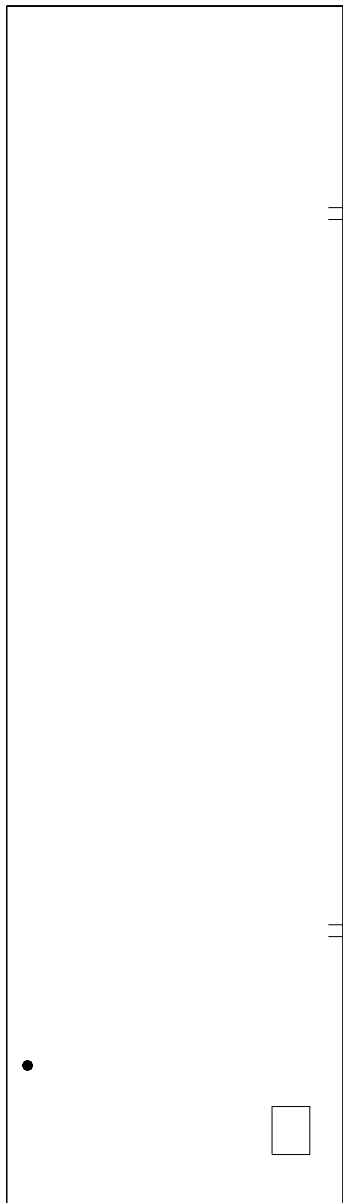
Roof Corrective Action



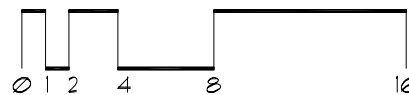
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
	SCUPPER



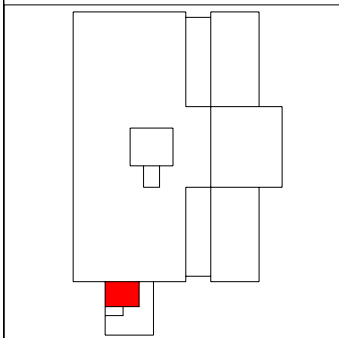
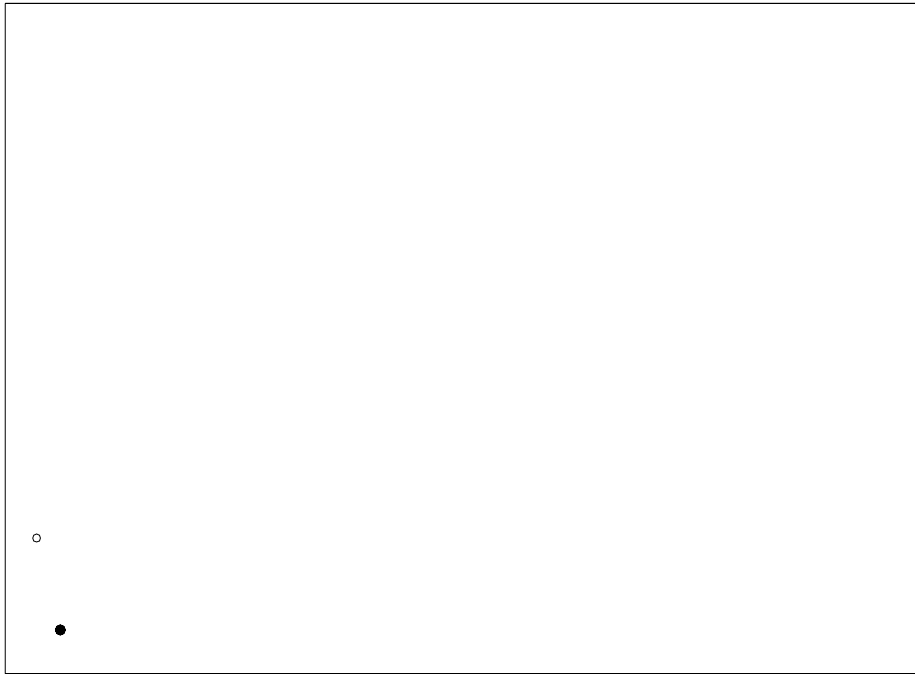
Roof Corrective Action



- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - ≡ SCUPPER

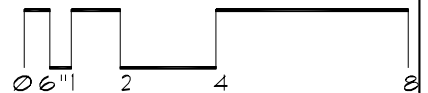


Roof Corrective Action

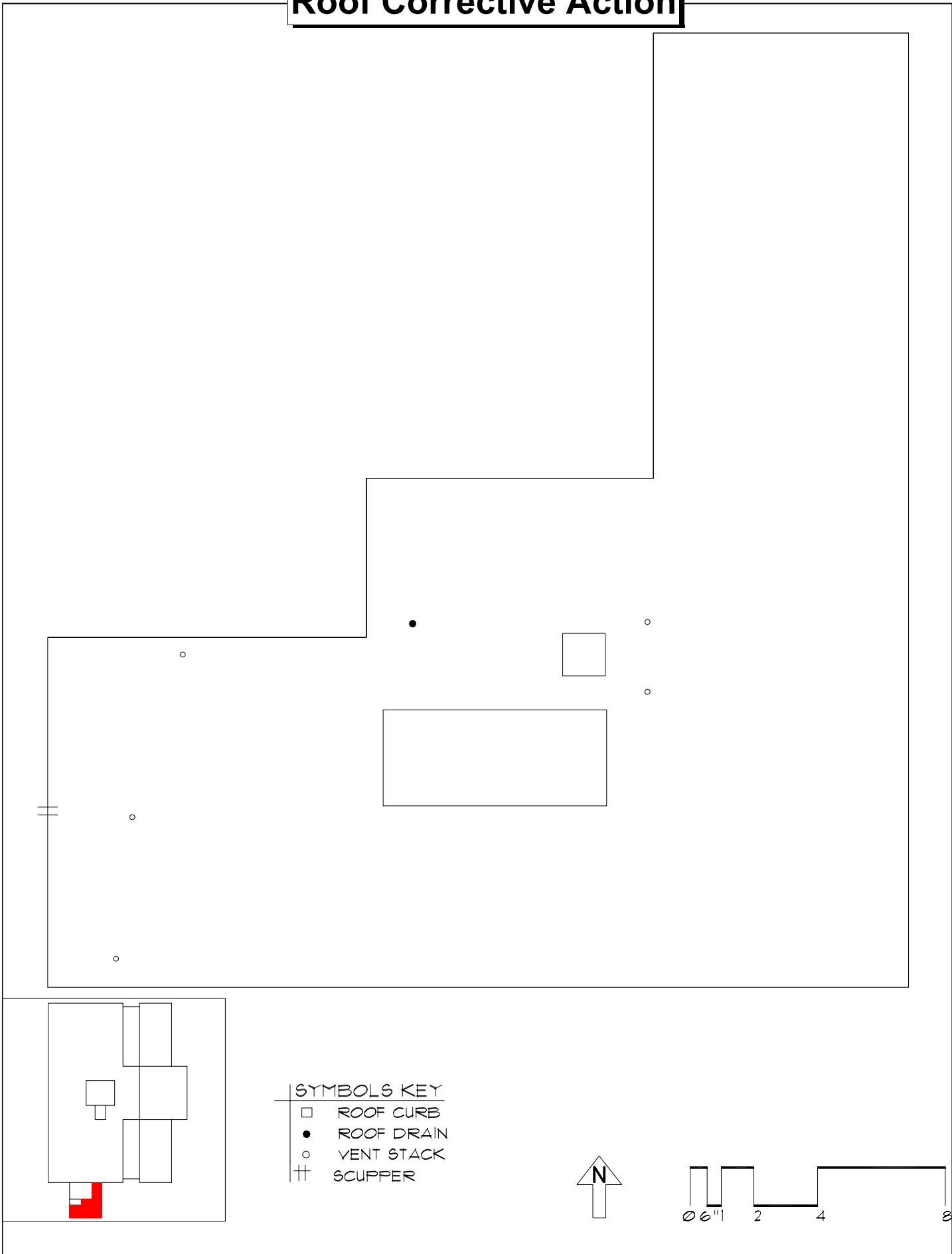


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK

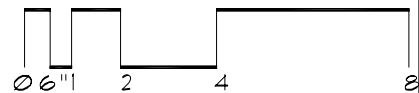


Roof Corrective Action

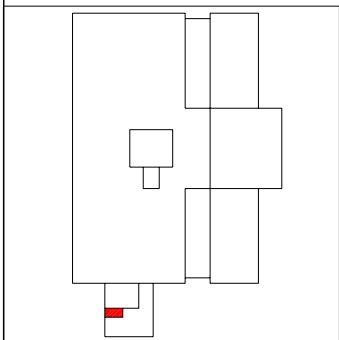
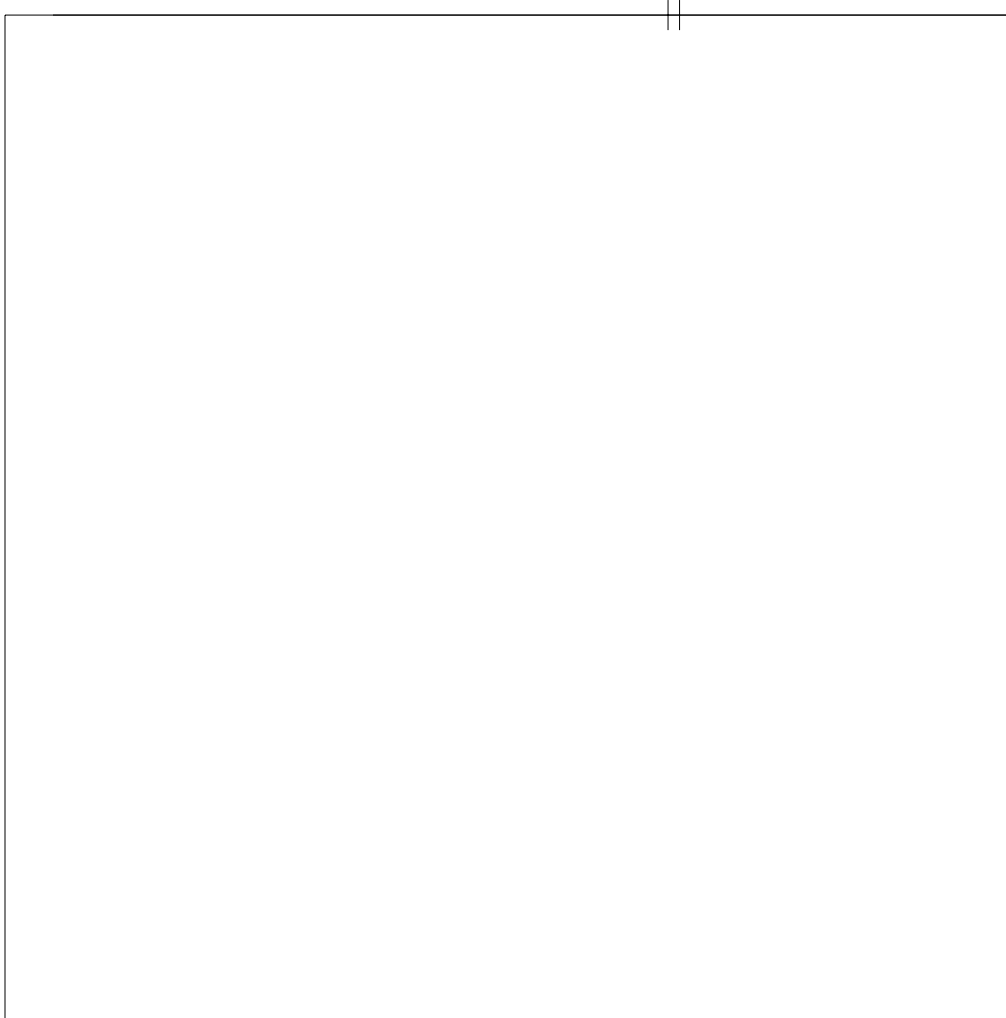


SYMBOLS KEY

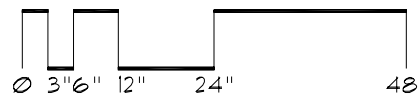
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- †† SCUPPER



Roof Corrective Action



SYMBOLS KEY
| || SCUPPER



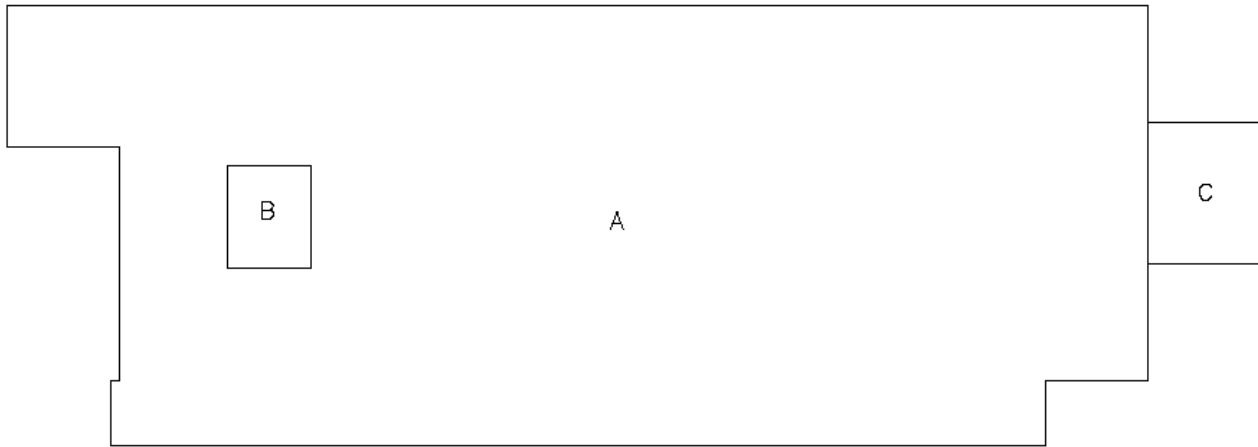
Roof ID

Building: SP364 – Hayes Hall – (1509 Gortner Avenue, St Paul, MN 55108)

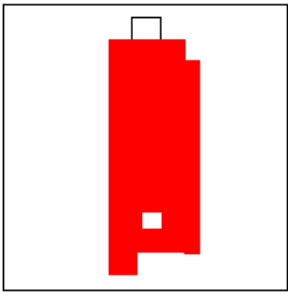
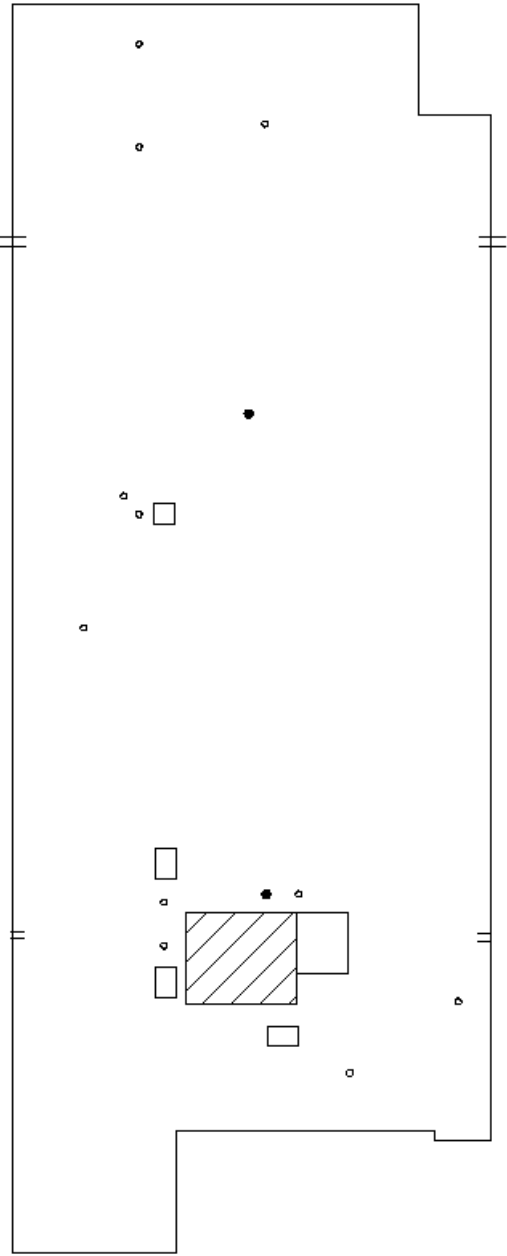
Roof Access:

Total Area: 5,460 sf

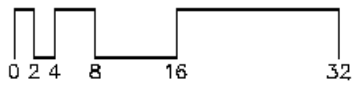
A 5,460 sf
B 99 sf
C 180 sf



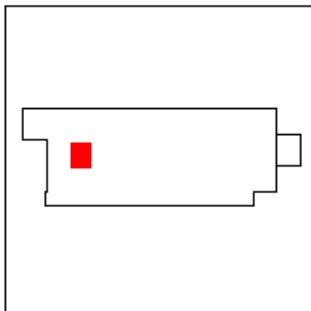
Roof Corrective Action



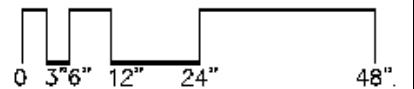
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - † SCUPPER
 - ⊖ DEFECT-NO REPAIR
 - ⊕ DEFECT-REPAIR



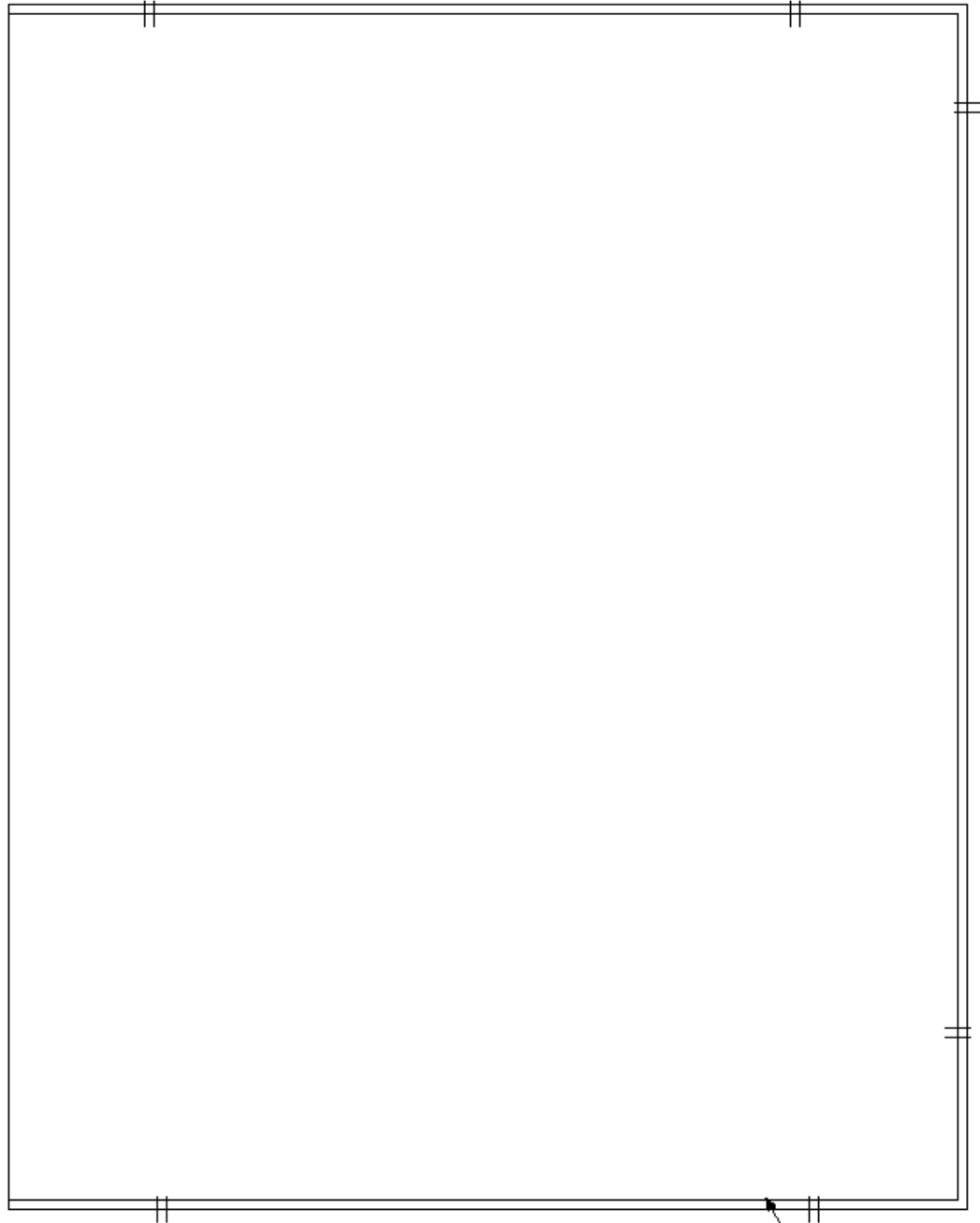
Roof Corrective Action



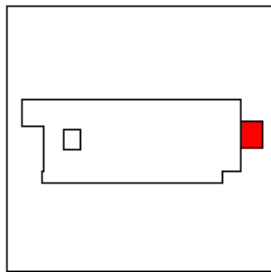
SYMBOLS KEY
|| SCUPPER



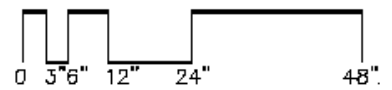
Roof Corrective Action



GUTTER



SYMBOLS KEY
|| SCUPPER



Roof ID

Building: SP365 - Stakman Hall - (1519 Gortner Ave St. Paul, Mn)

Roof Access: Through Borlaug Hall to 5th floor, stairwell outside room 591

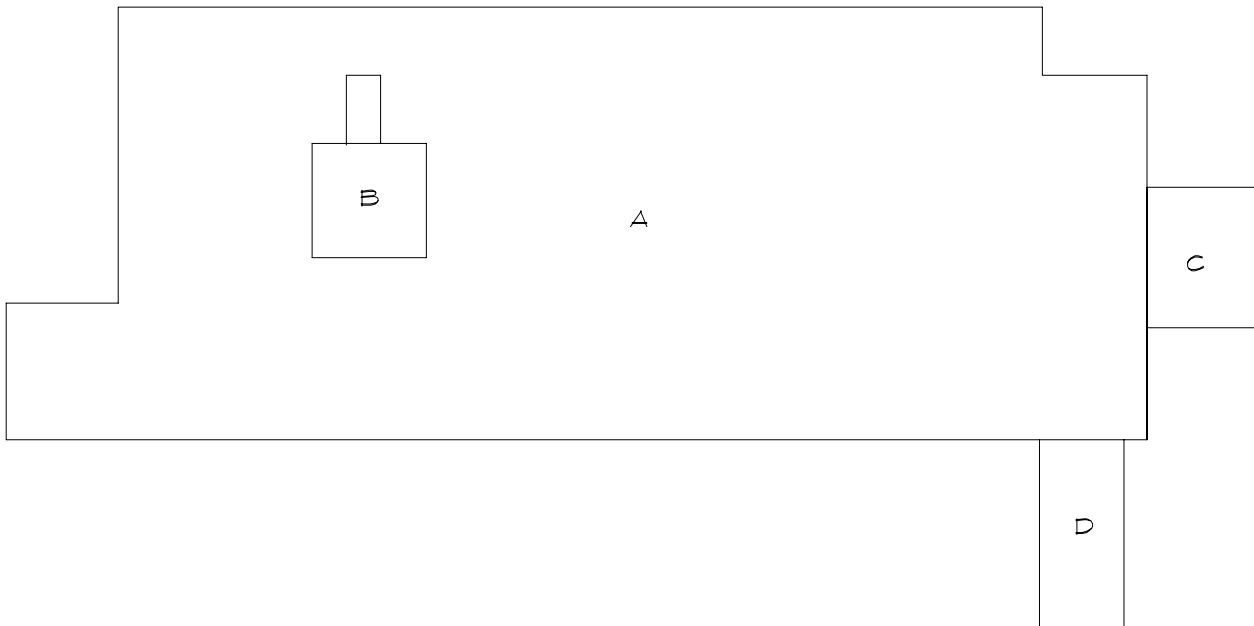
Total Area: 5,473 sf

A **4,989** sf

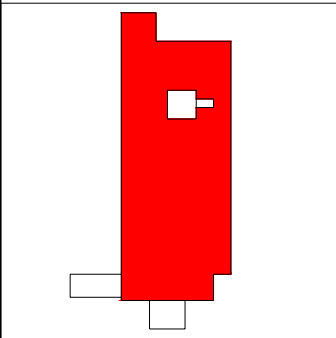
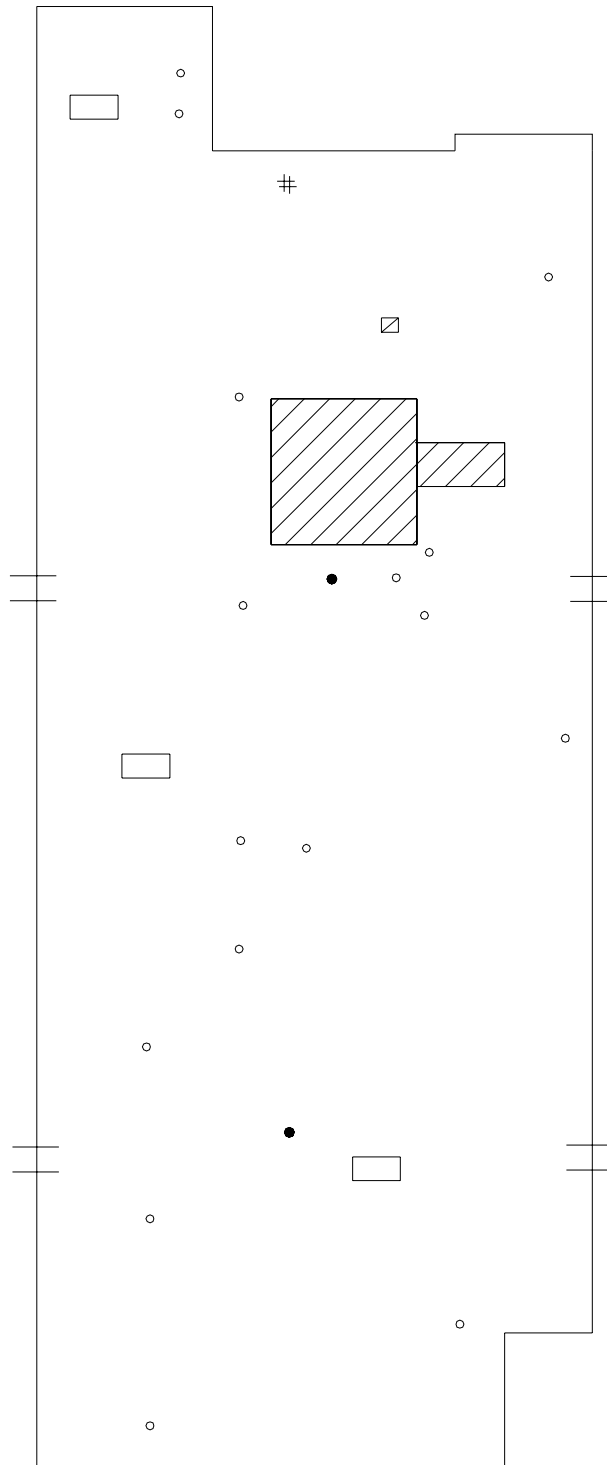
B **144** sf

C **180** sf

D **160** sf

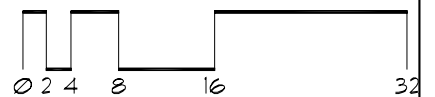


Roof Corrective Action

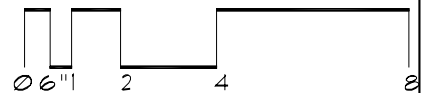
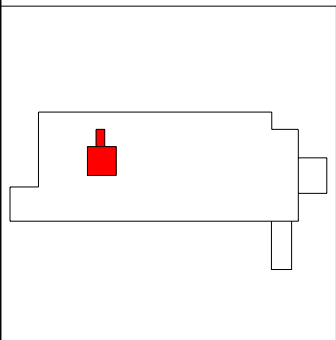
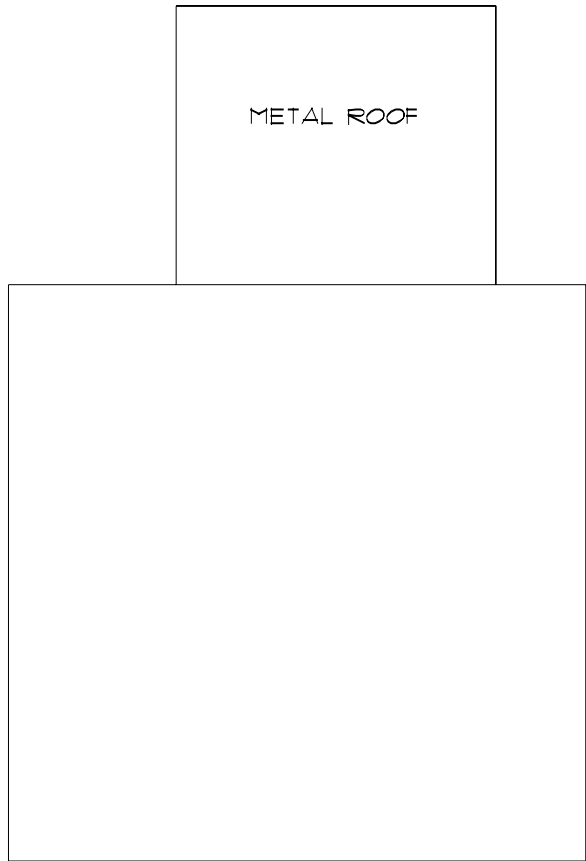


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- † SCUPPER
- # PITCH PAN
- ▨ ROOF HATCH
- HEAT STACK
- Ⓢ DEFECT-REPAIR
- Ⓣ DEFECT-NO REPAIR

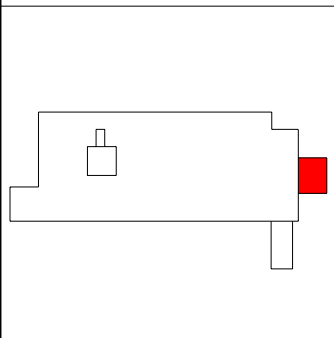
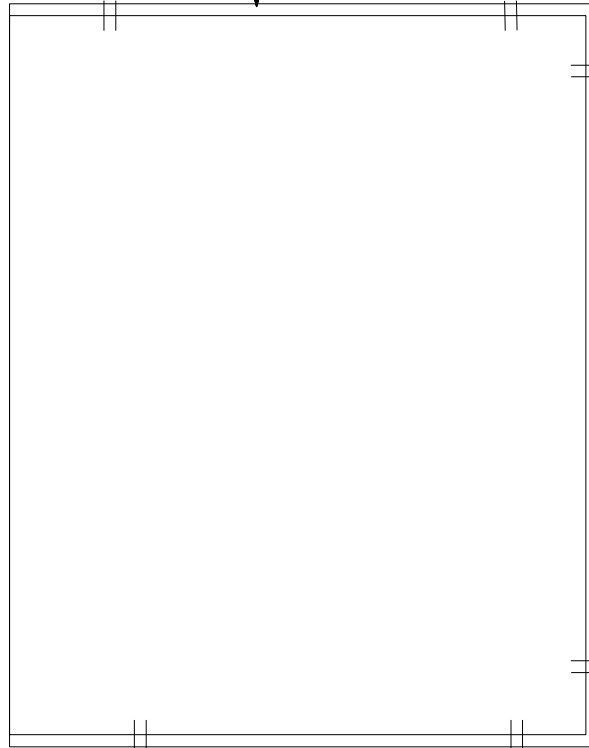


Roof Corrective Action

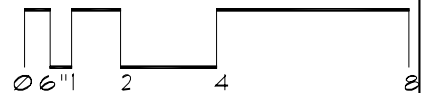


Roof Corrective Action

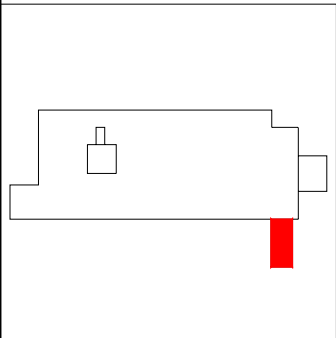
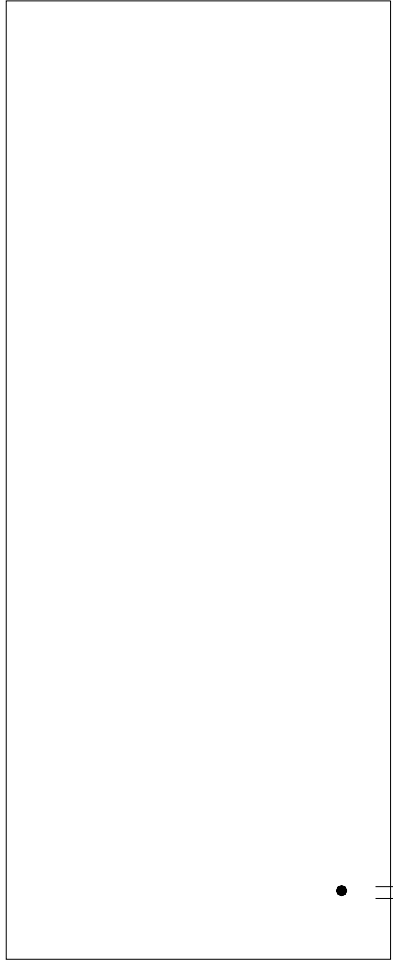
GUTTER



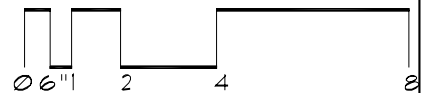
SYMBOLS KEY
|| SCUPPER



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
● ROOF DRAIN
Ⓢ DEFECT-REPAIR

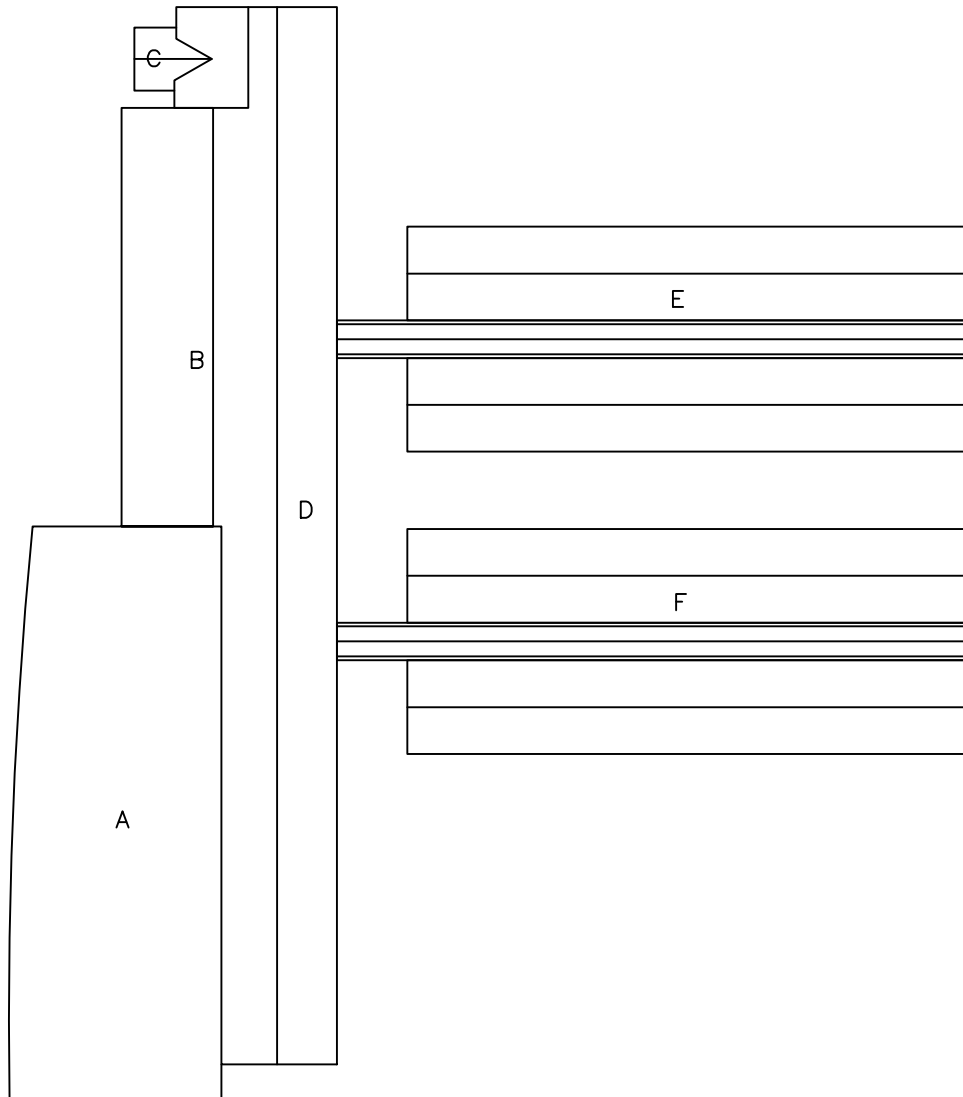


Roof ID

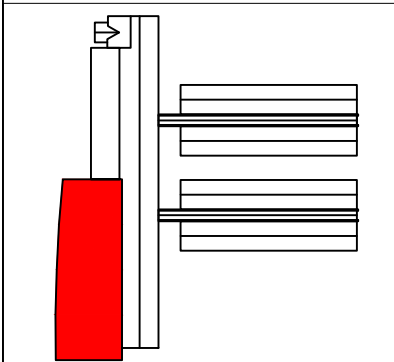
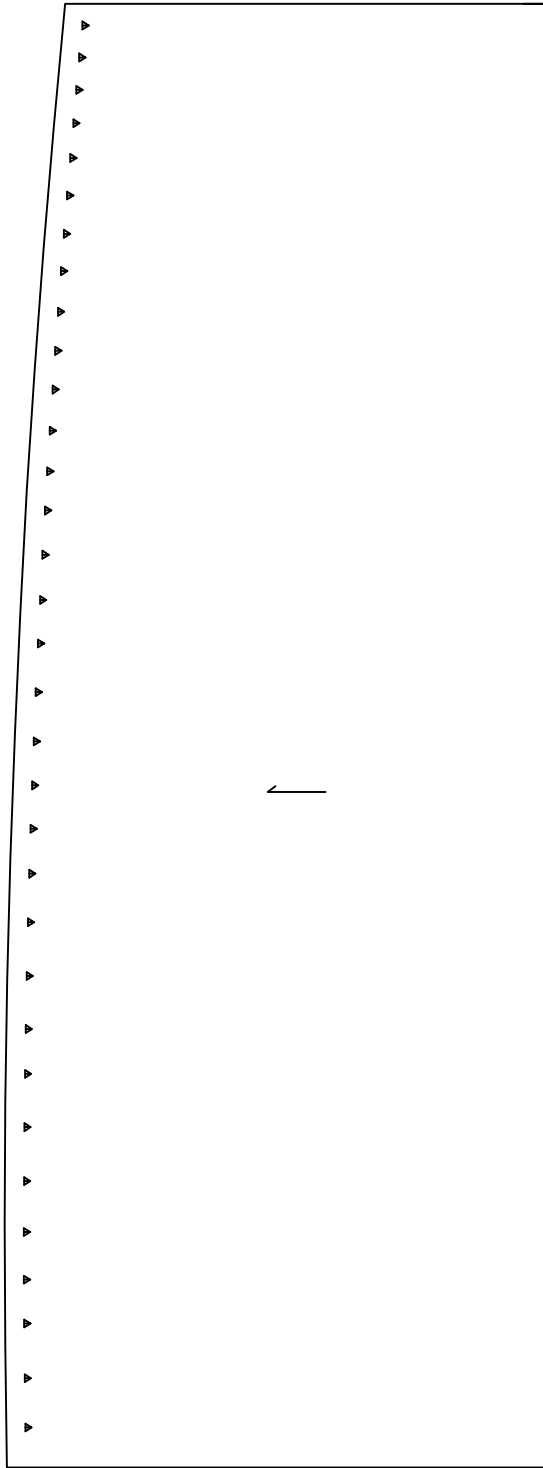
Building: 02.369 - Plant Growth Facilities West - (1552 Gortner Avenue)
Roof Access: 1st floor stairwell; roof hatch

Total SF: 38,366 sf

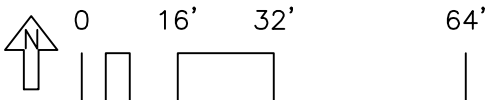
A:	8,276 sf
B:	7,311 sf
C:	293 sf
D:	4,432 sf
E:	9,027 sf
F:	9,027 sf



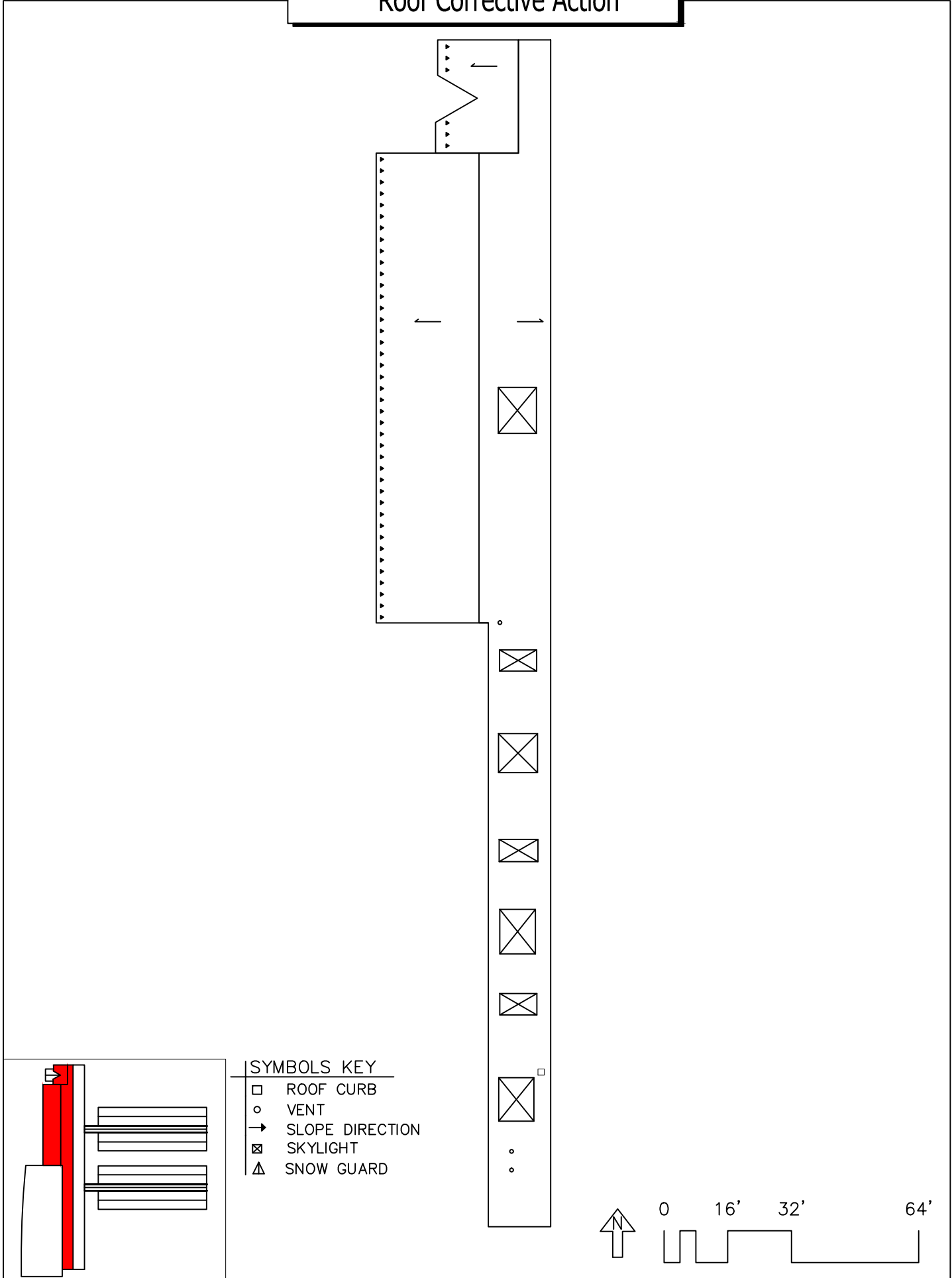
Roof Corrective Action



SYMBOLS KEY
△ SNOW GUARD
→ SLOPE DIRECTION

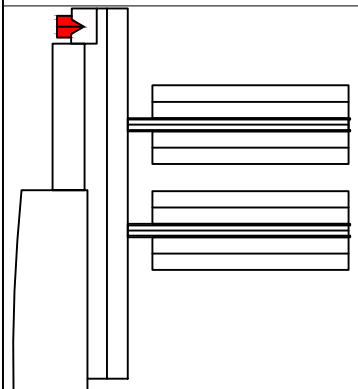
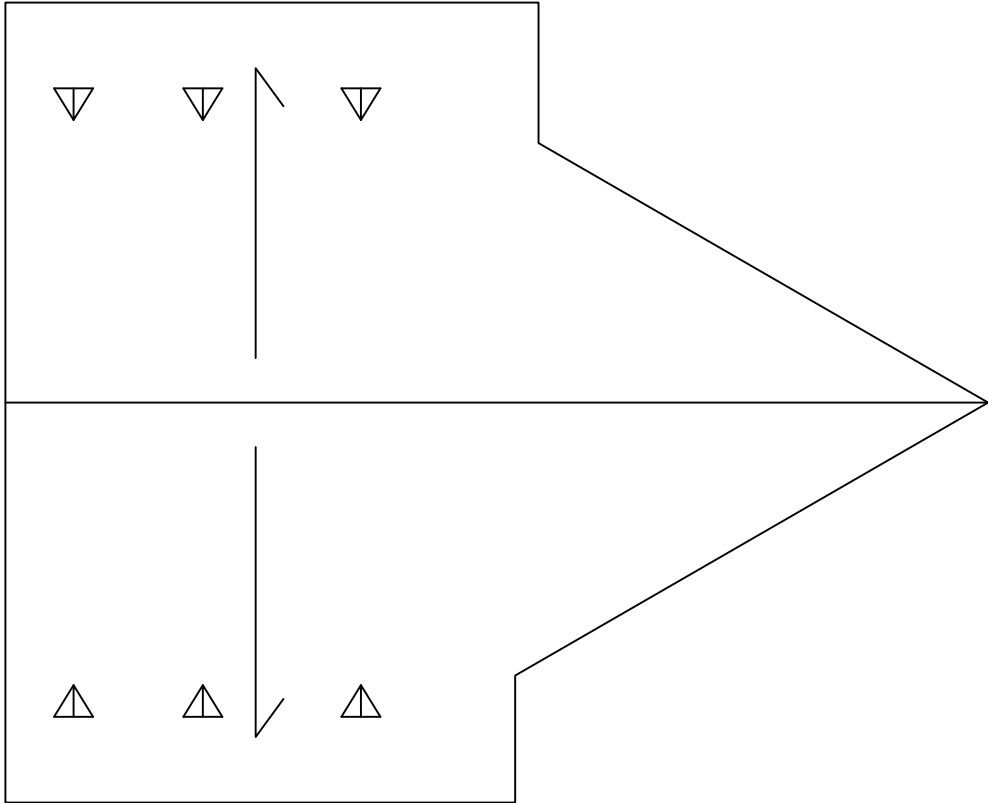


Roof Corrective Action

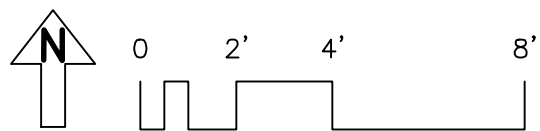


- SYMBOLS KEY**
- ROOF CURB
 - VENT
 - SLOPE DIRECTION
 - ⊠ SKYLIGHT
 - △ SNOW GUARD

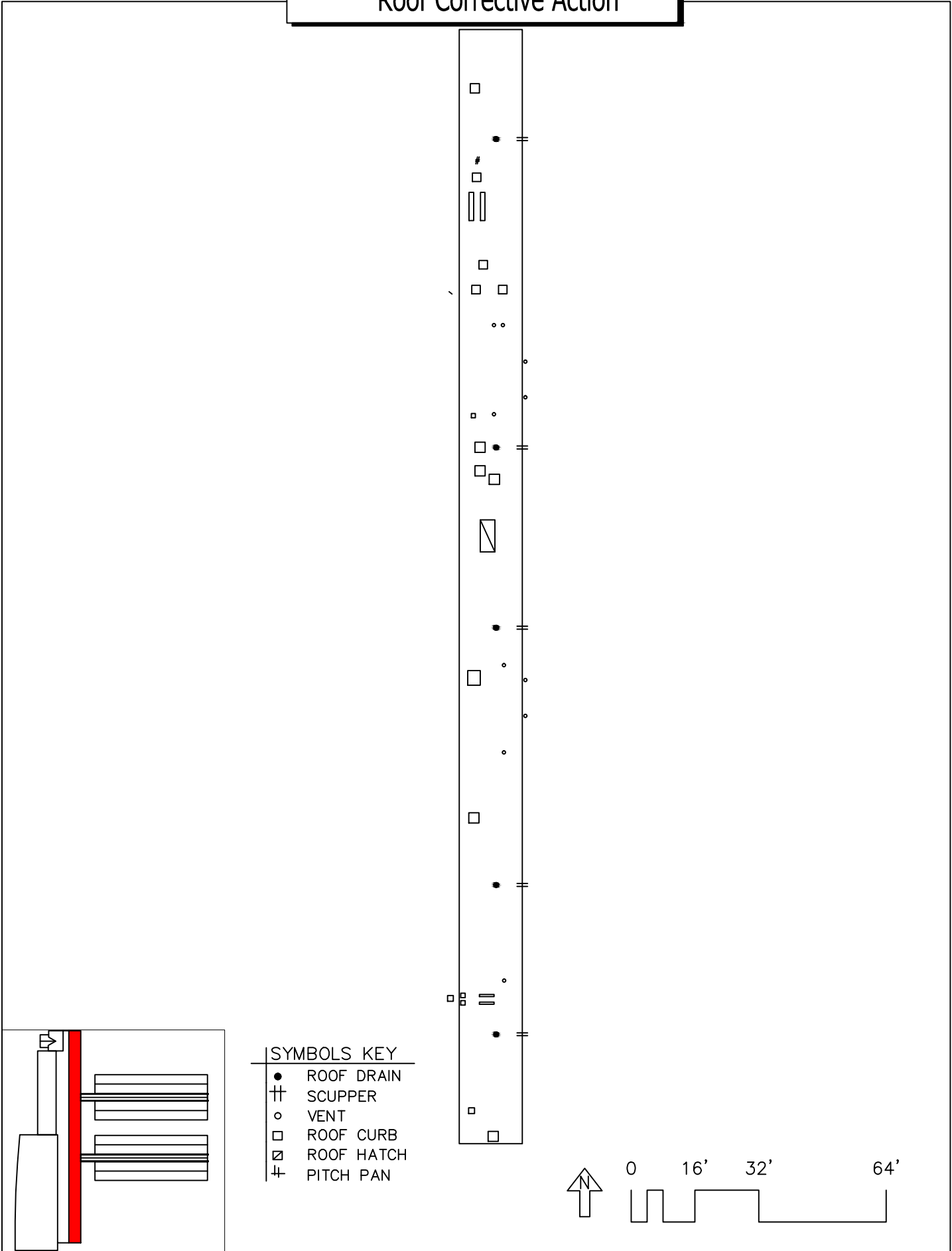
Roof Corrective Action



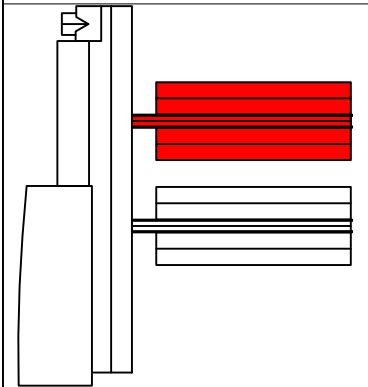
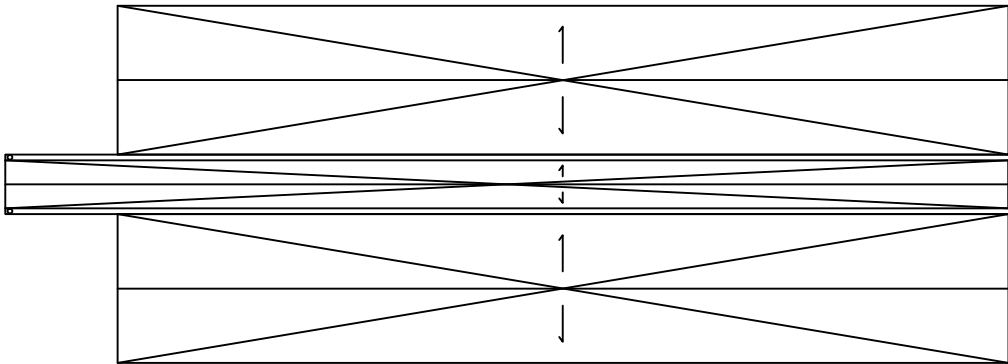
SYMBOLS KEY
→ SLOPE DIRECTION
△ SNOW GUARD



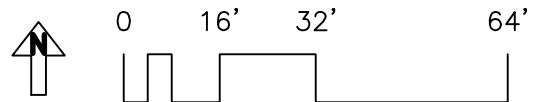
Roof Corrective Action



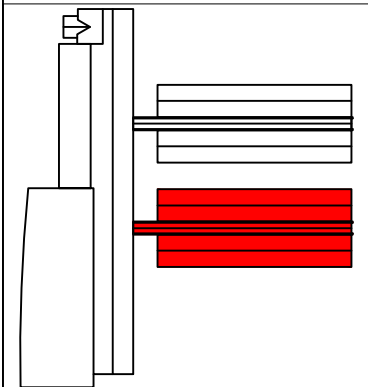
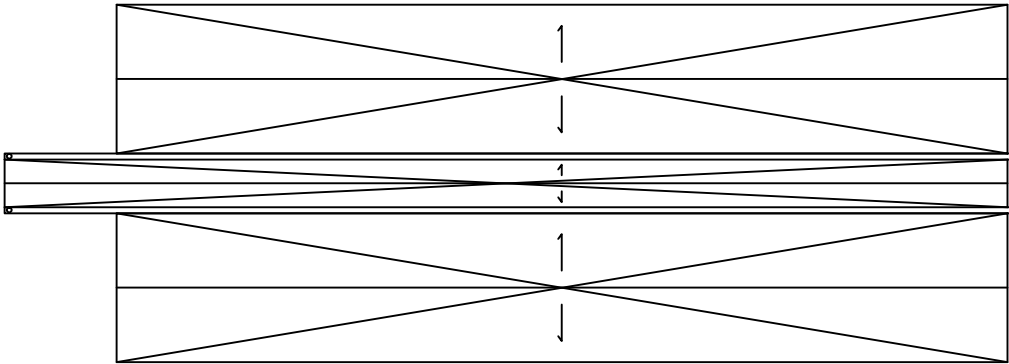
Roof Corrective Action



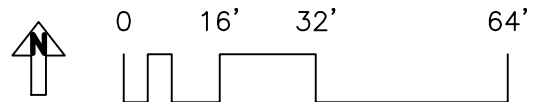
SYMBOLS KEY
→ SLOPE DIRECTION
☒ SKYLIGHT



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION
☒ SKYLIGHT



Roof ID

Building: SP370 - Horticulture Greenhouses - (Gortner Avenue St. Paul)

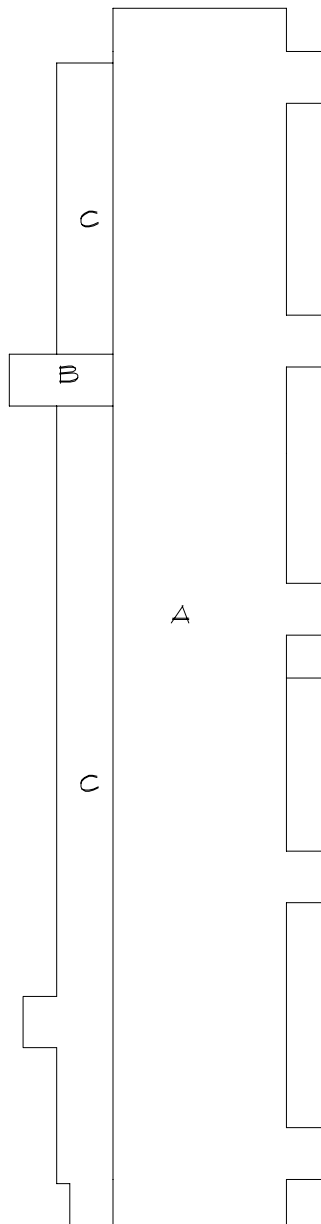
Roof Access: Ladder

Total Area: 20,838 sf

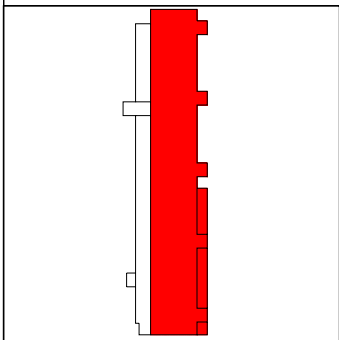
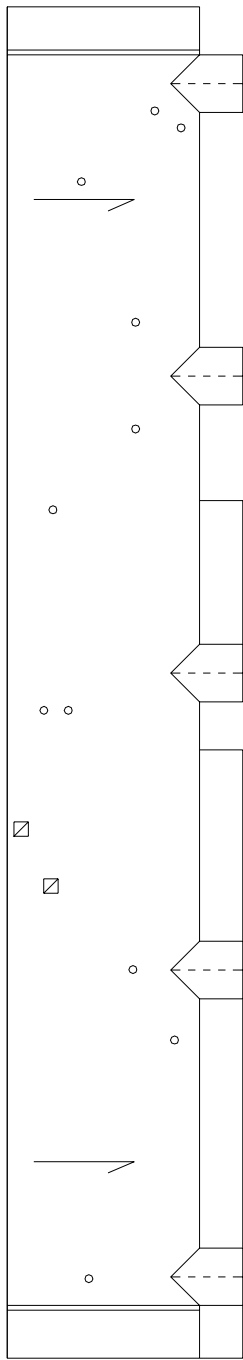
A 10,320 sf

B 288 sf

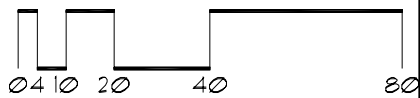
C 10,230 sf



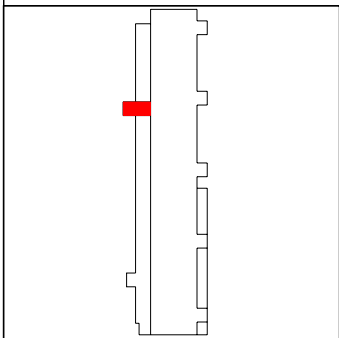
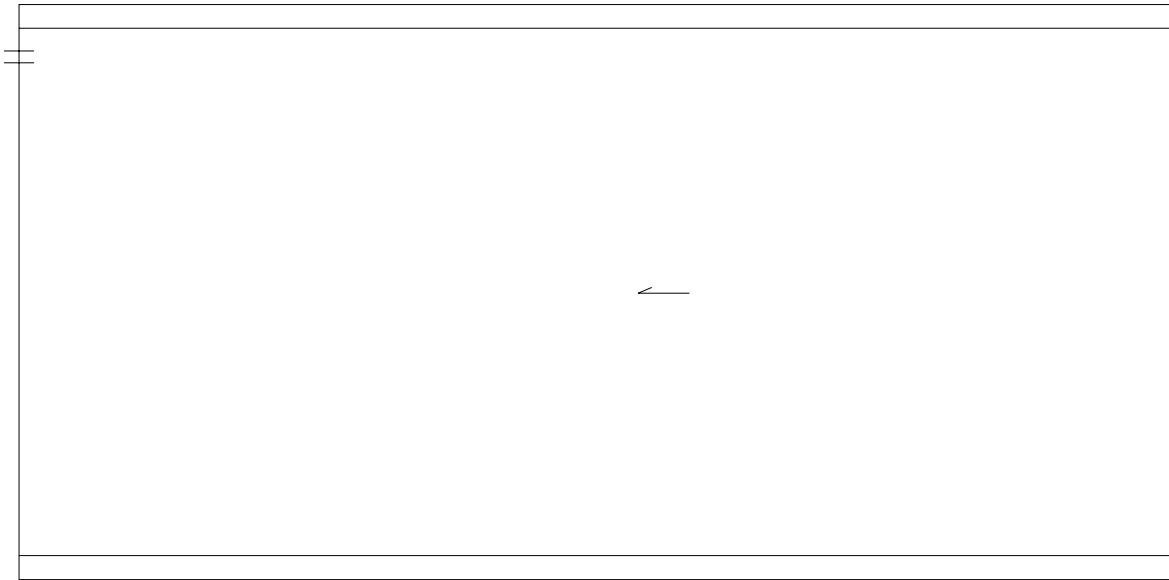
Roof Corrective Action



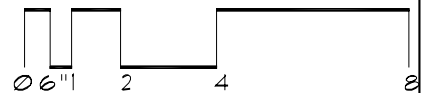
SYMBOLS KEY	
□	ROOF CURB
○	VENT STACK
→	SLOPE DIRECTION
Ⓢ	DEFECT-REPAIR



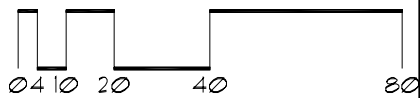
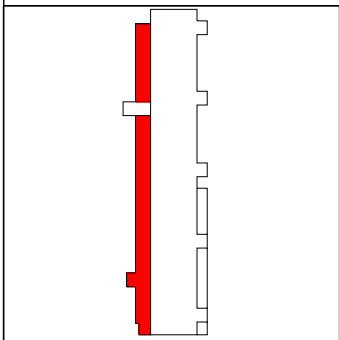
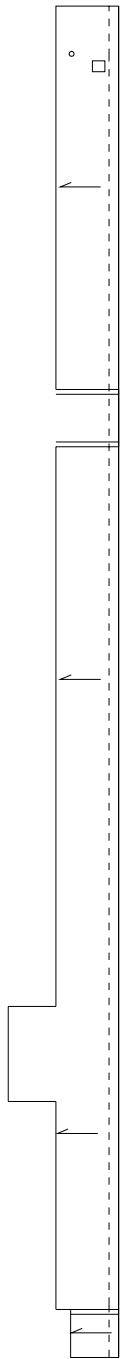
Roof Corrective Action



SYMBOLS KEY
⊥ SCUPPER
→ SLOPE DIRECTION



Roof Corrective Action



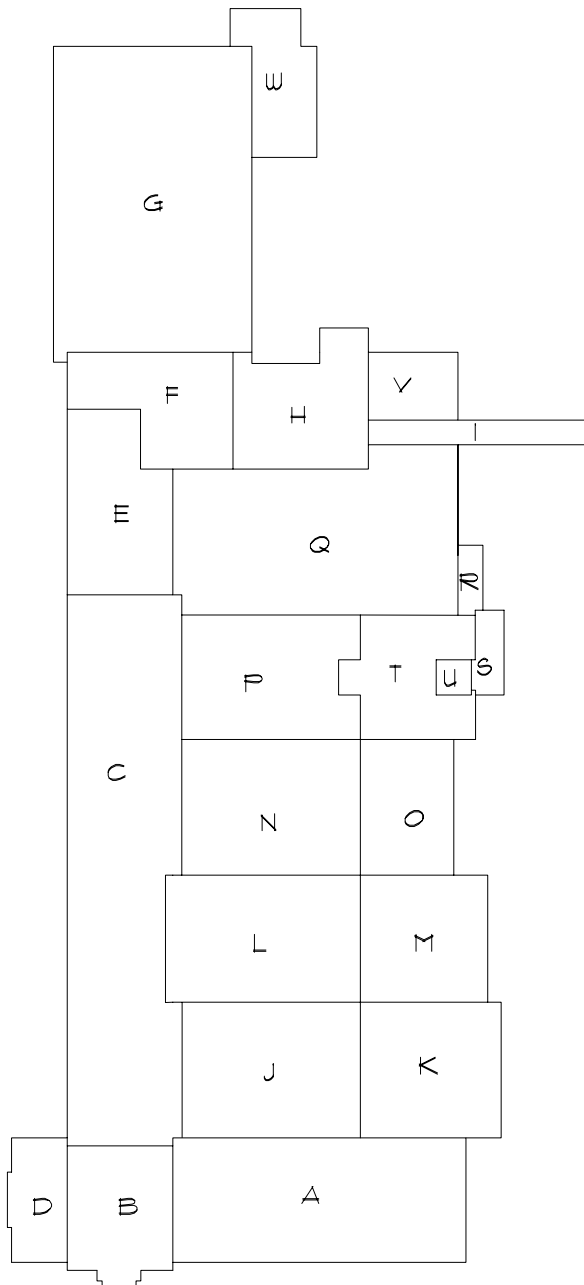
Roof ID

Building: SP371 - Vet Medical Ctr South - (1352 Boyd Ave St. Paul, Mn)

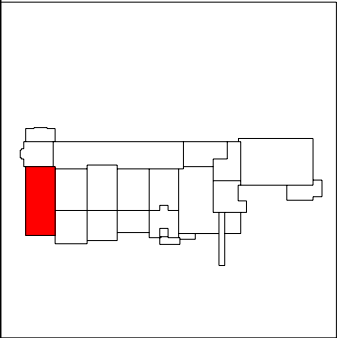
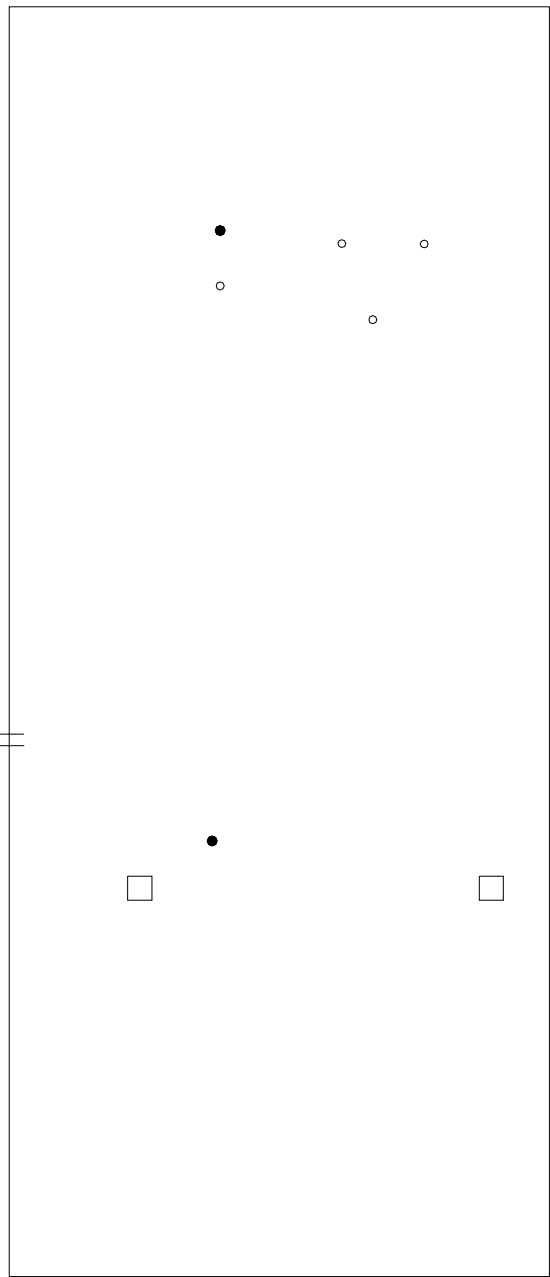
Roof Access: Ladder

Total Area: 54,218 sf

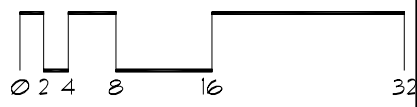
A	4,158 sf	E	2,000 sf	I	900 sf	M	1,630 sf	Q	5,348 sf	U	120 sf
B	1,628 sf	F	1,760 sf	J	3,008 sf	N	2,944 sf	R	125 sf	V	832 sf
C	7,568 sf	G	7,106 sf	K	1,833 sf	O	1,564 sf	S	198 sf	W	1,205 sf
D	812 sf	H	2,221 sf	L	2,560 sf	P	3,000 sf	T	1,698 sf		



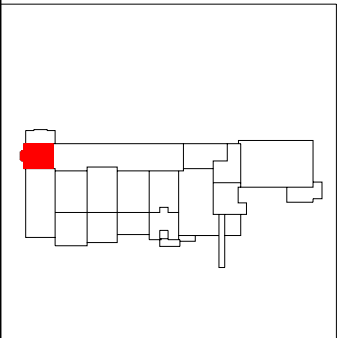
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - ROOF CURB
 - VENT STACK
 - ≡ SCUPPER
 - Ⓢ DEFECT-REPAIR
 - Ⓣ DEFECT-NO REPAIR

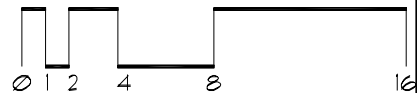


Roof Corrective Action

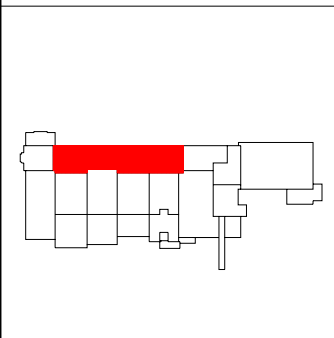
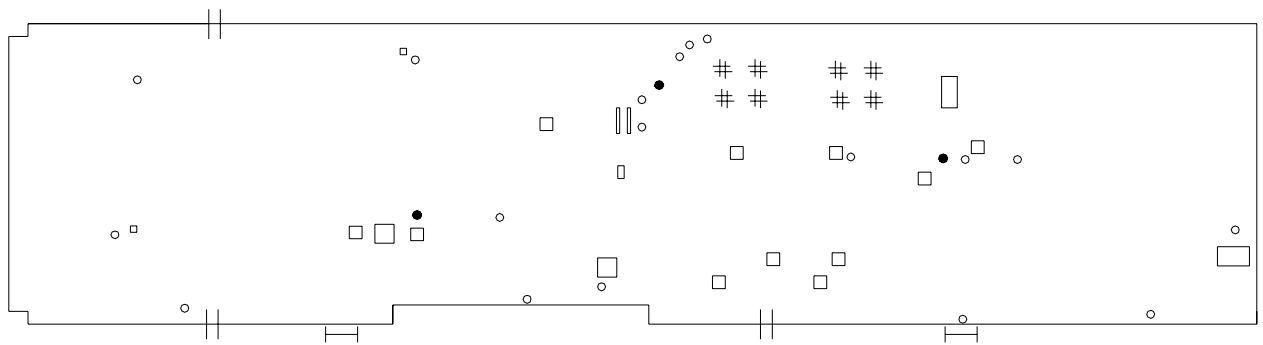


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER

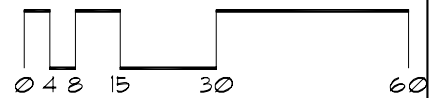


Roof Corrective Action

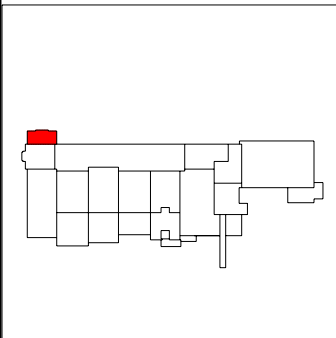
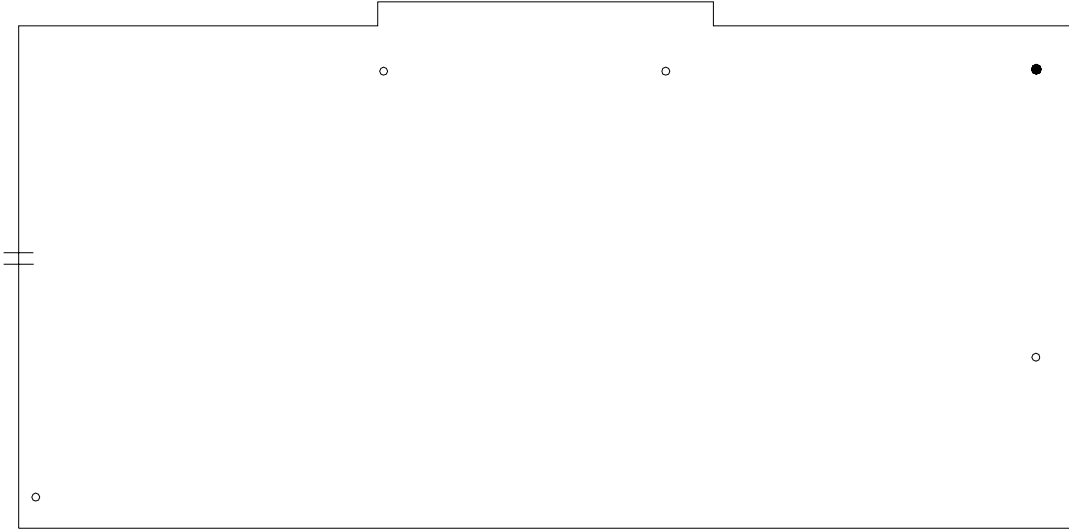


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- || SCUPPER
- I LADDER
- ① DEFECT-REPAIR

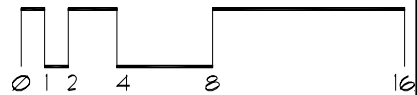


Roof Corrective Action

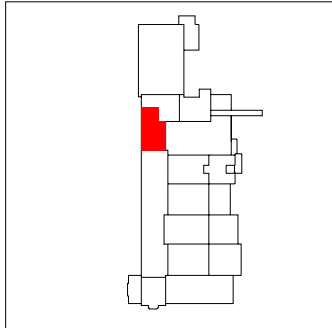


SYMBOLS KEY

●	ROOF DRAIN
○	VENT STACK
≡	SCUPPER

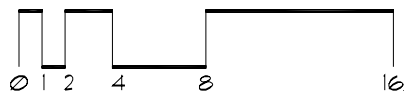
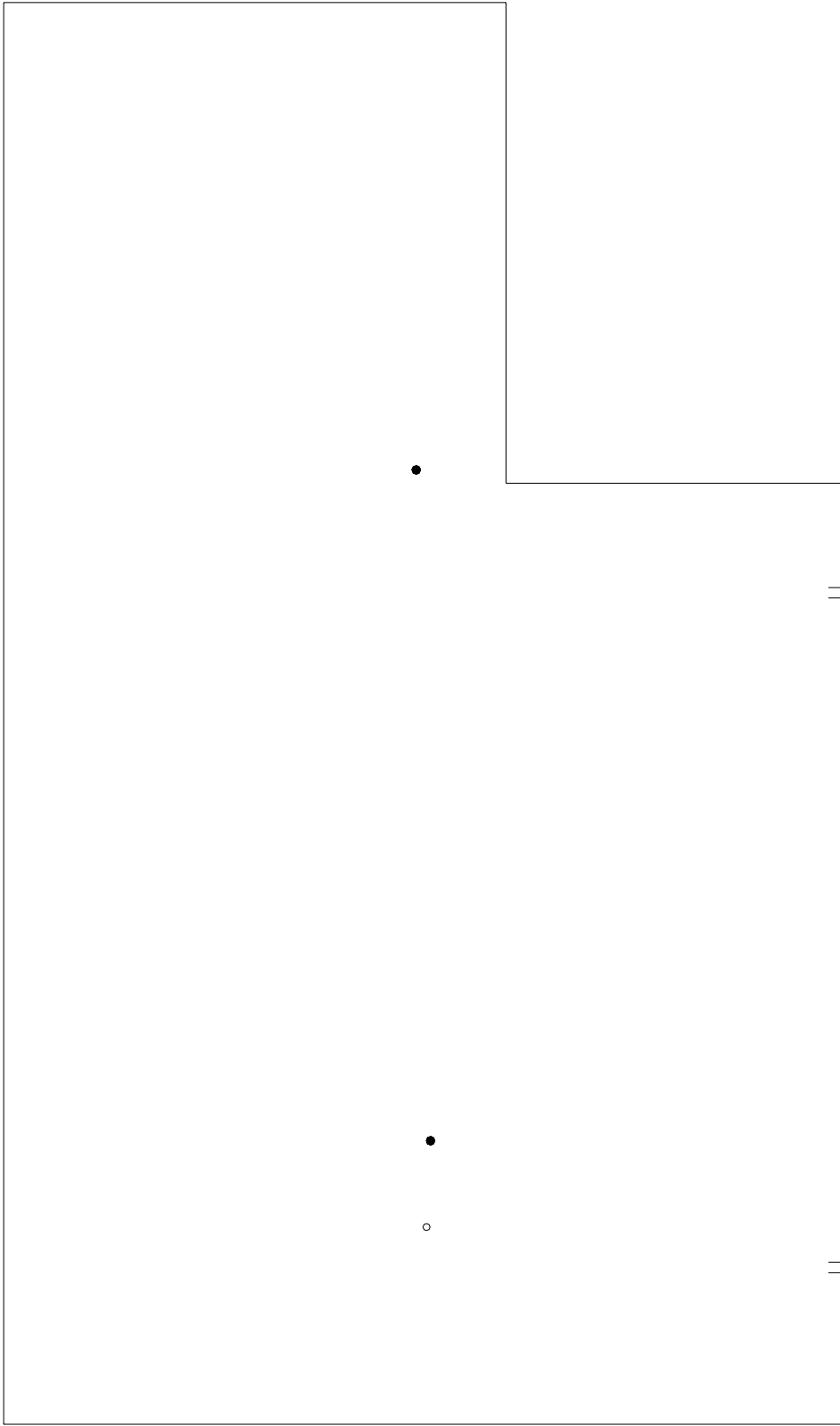


Roof Corrective Action

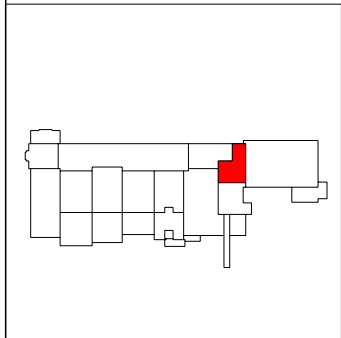
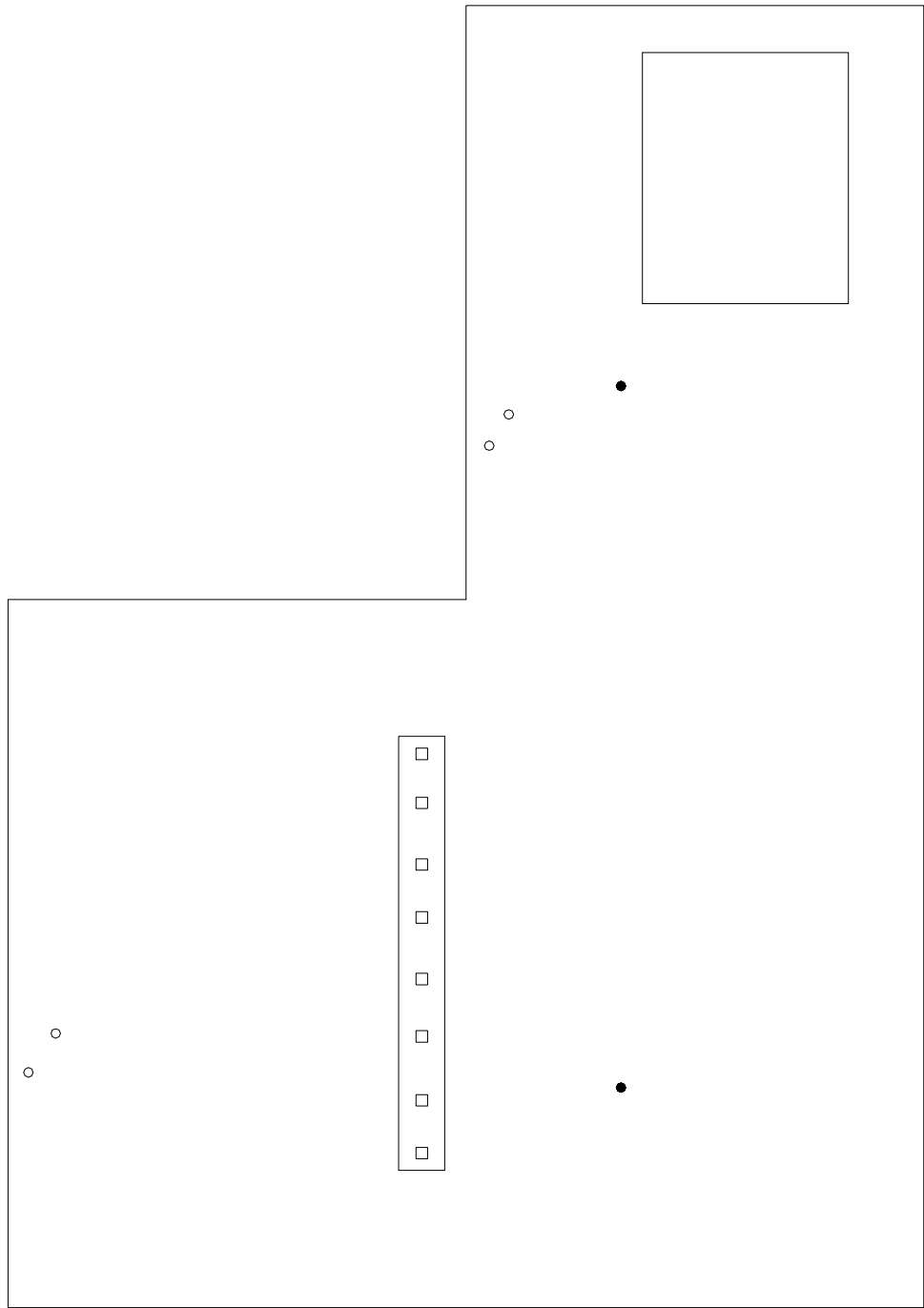


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- † SCUPPER
- ⊖ DEFECT-REPAIR
- ⓪ DEFECT-NO REPAIR

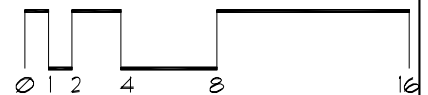


Roof Corrective Action

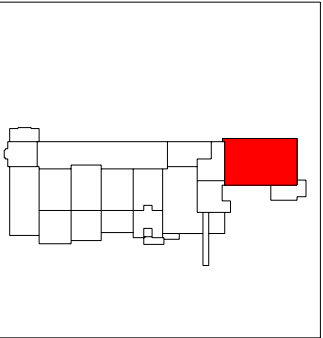
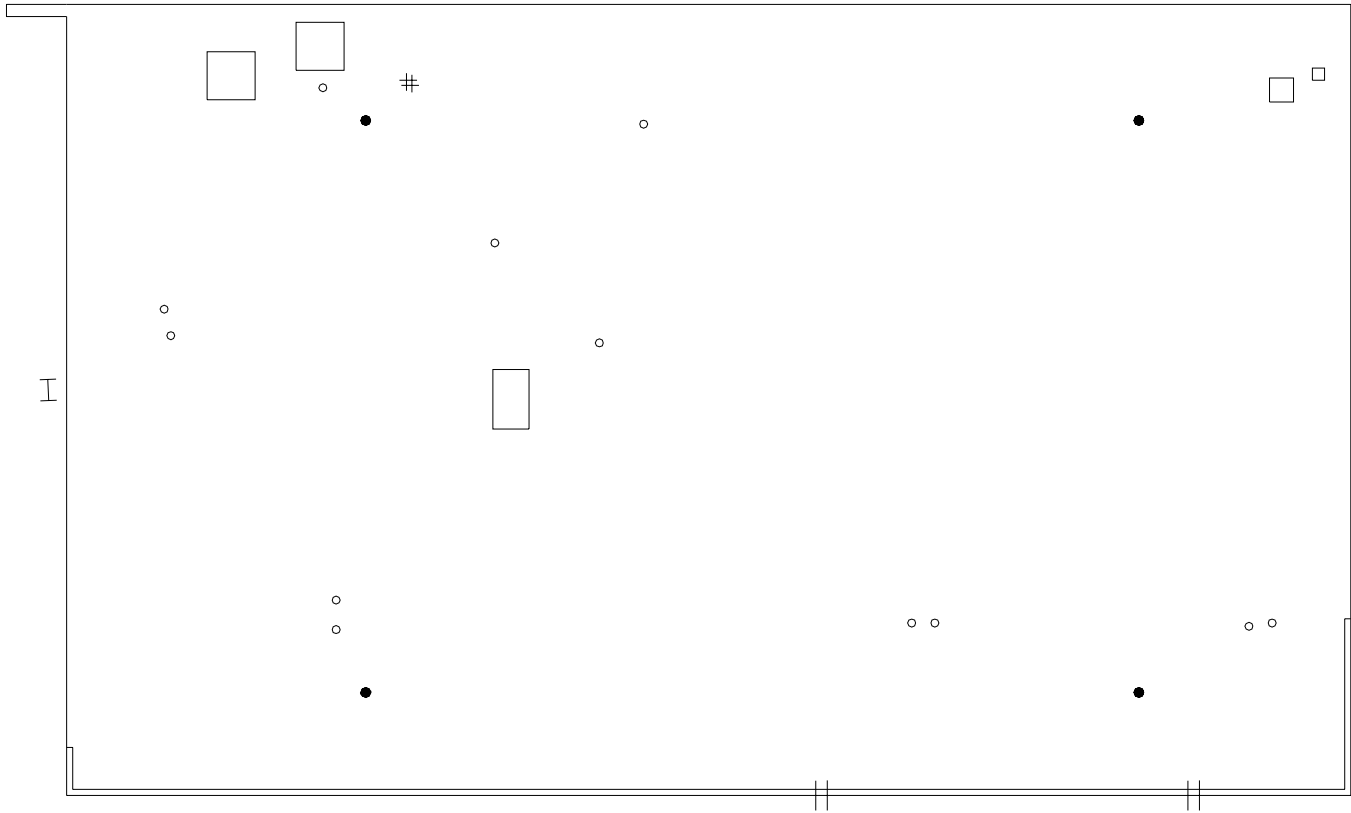


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ① DEFECT-REPAIR
- ② DEFECT-NO REPAIR
- I LADDER

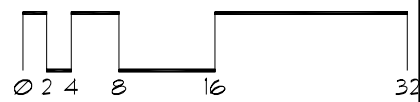


Roof Corrective Action

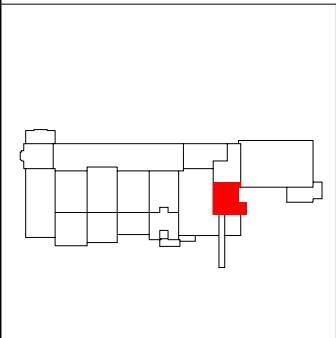
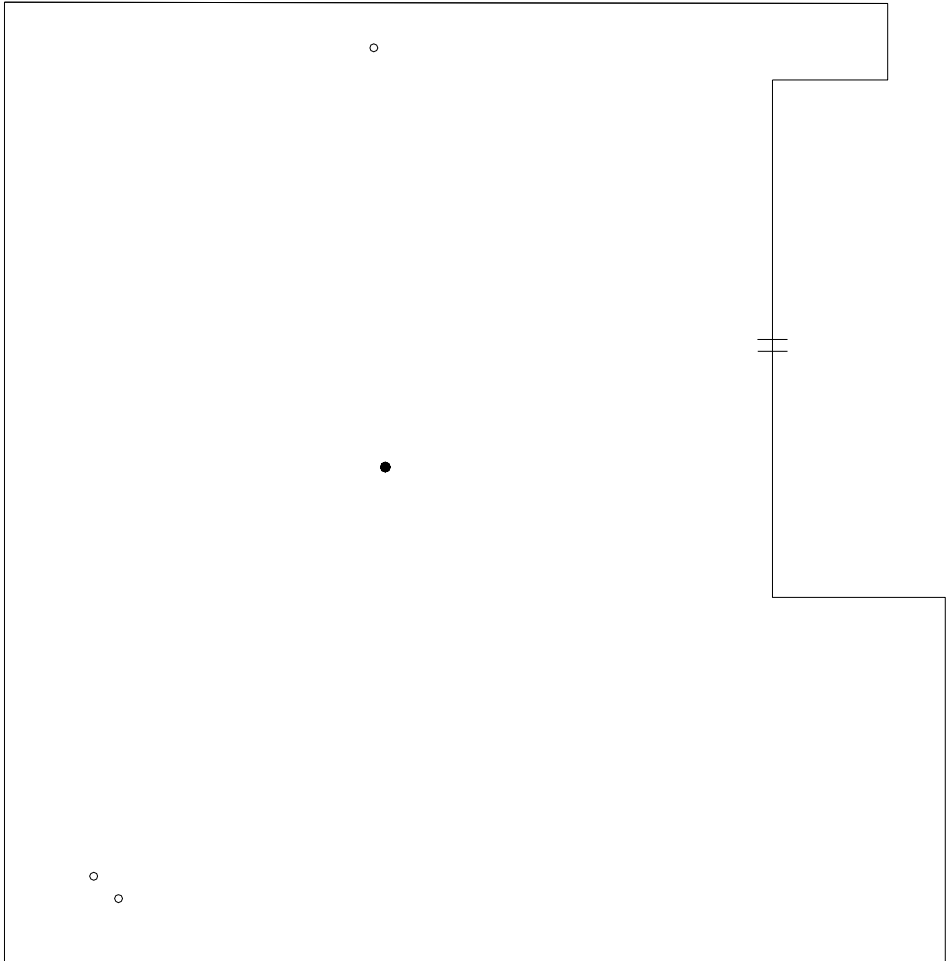


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- || SCUPPER
- I LADDER
- DEFECT-REPAIR
- # PITCH PAN

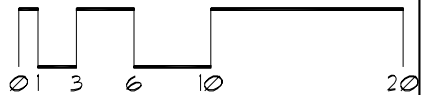


Roof Corrective Action

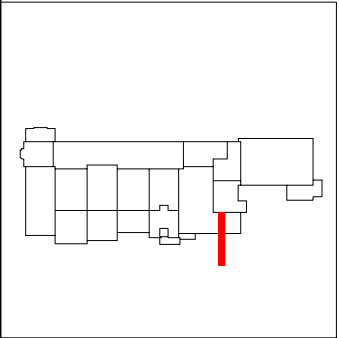
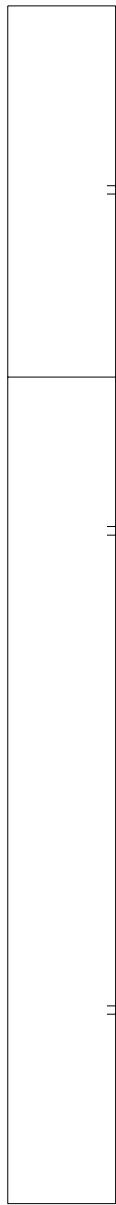


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- || SCUPPER
- Ⓢ DEFECT-REPAIR

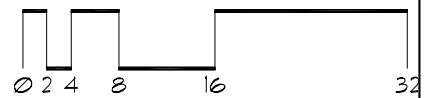


Roof Corrective Action

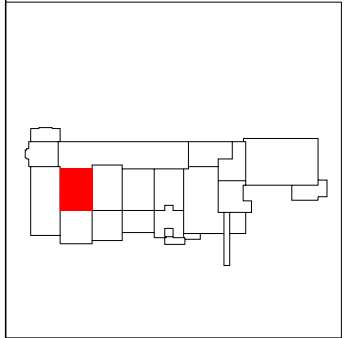
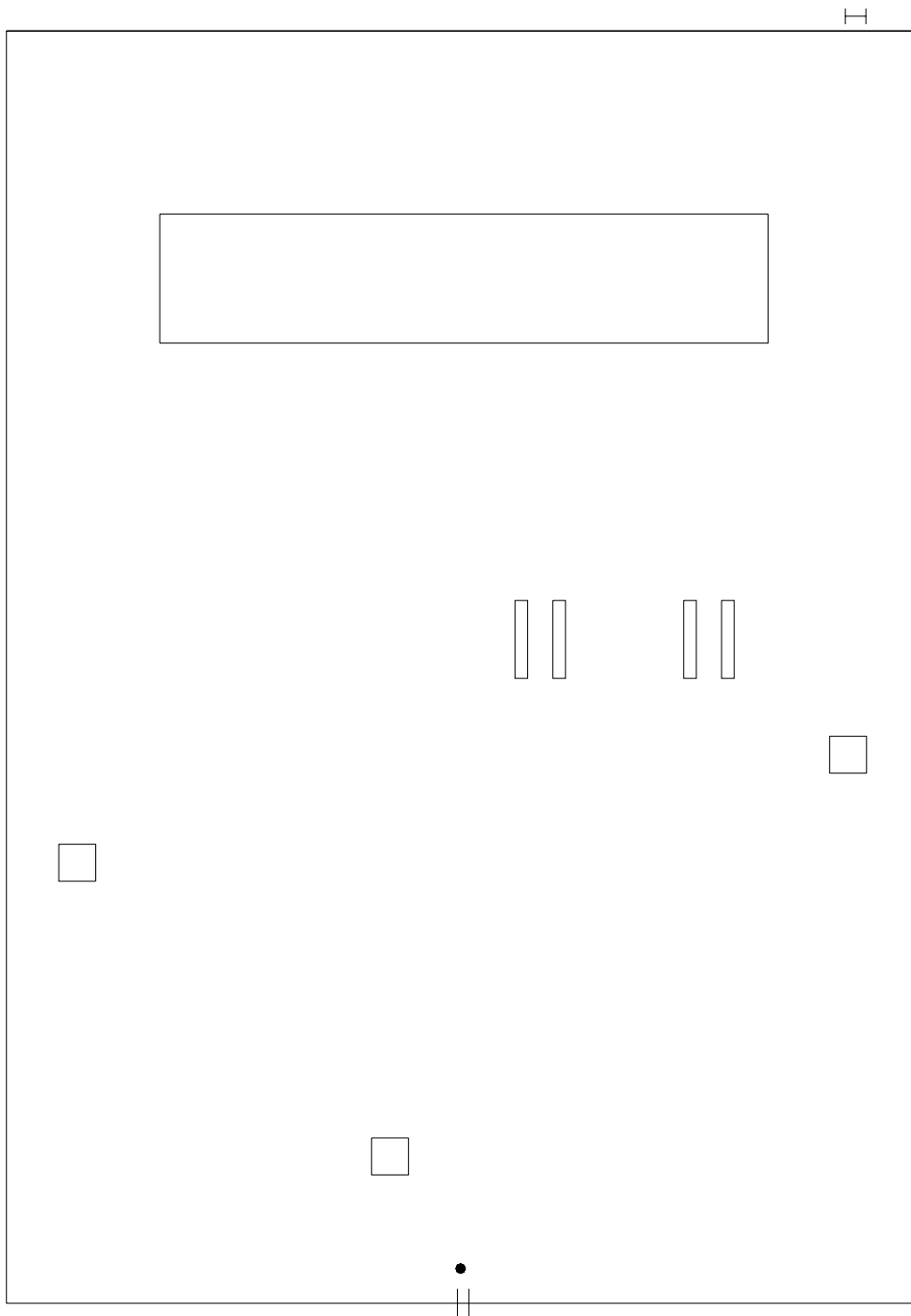


SYMBOLS KEY

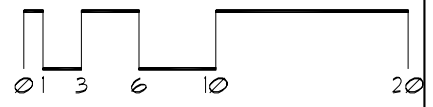
- † SCUPPER
- Ⓡ DEFECT-REPAIR
- Ⓢ DEFECT-NO REPAIR



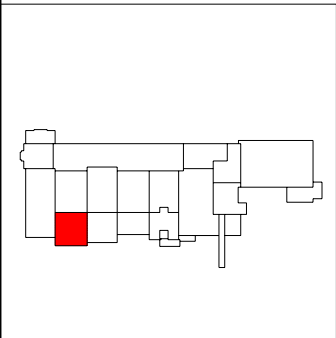
Roof Corrective Action



- SYMBOLS KEY
- ROOF CURB
 - VENT STACK
 - ROOF DRAIN
 - || SCUPPER

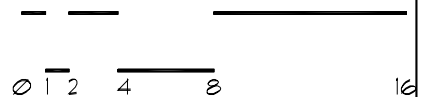


Roof Corrective Action

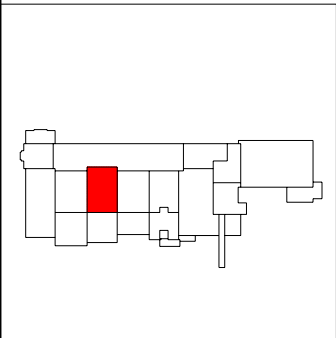
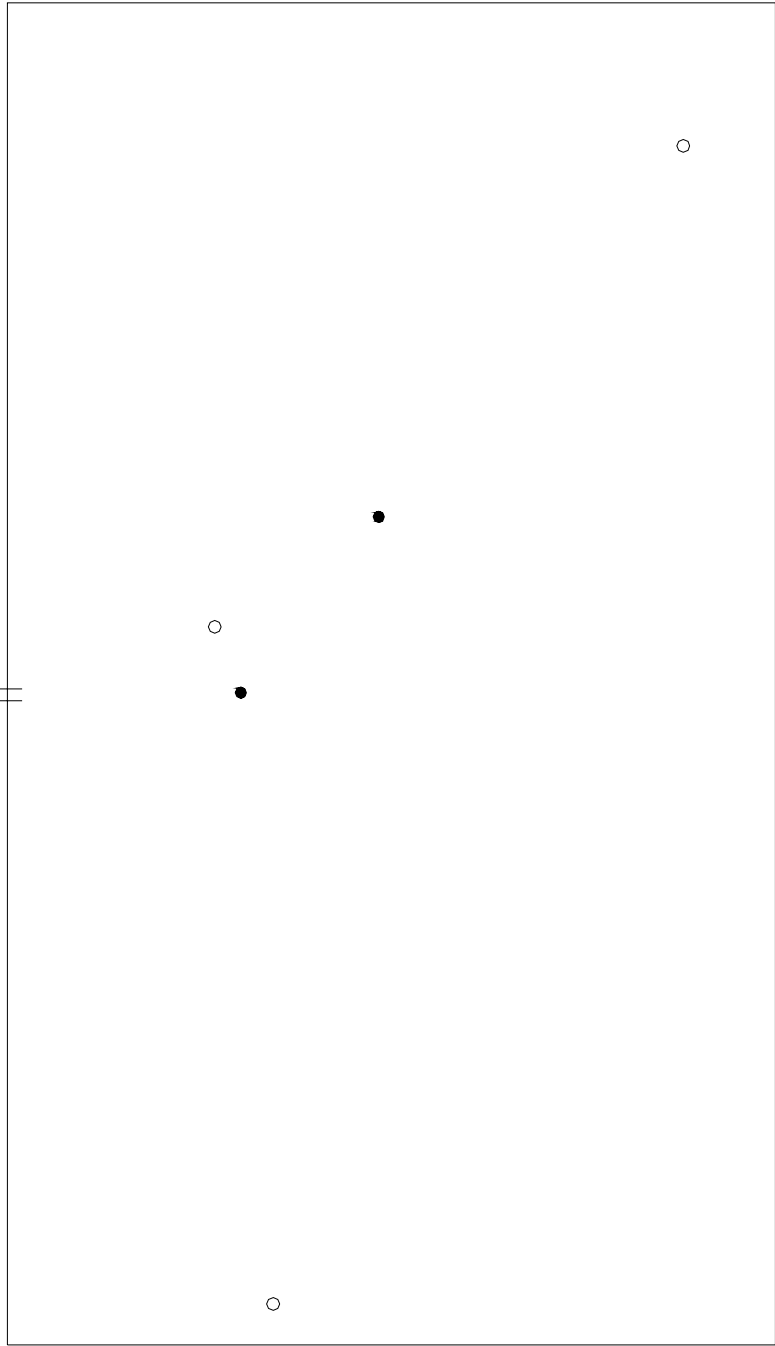


SYMBOLS KEY

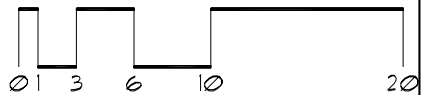
- ⊥ SCUPPER
- ROOF DRAIN
- VENT STACK
- Ⓡ DEFECT-REPAIR
- Ⓢ DEFECT-NO REPAIR



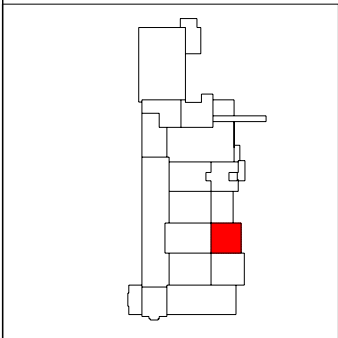
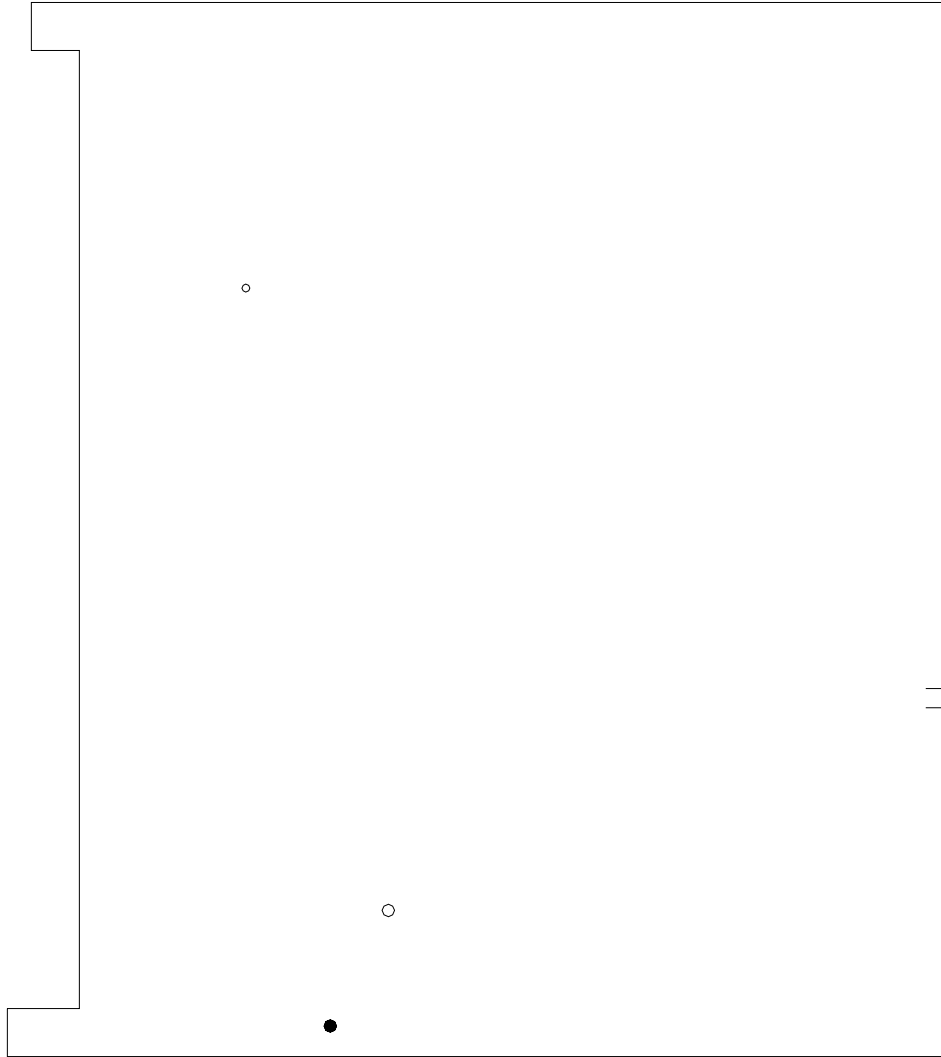
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
○ VENT STACK
† SCUPPER

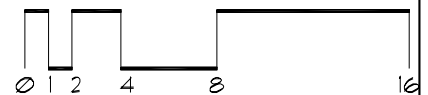


Roof Corrective Action

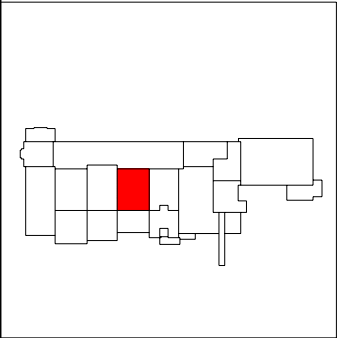
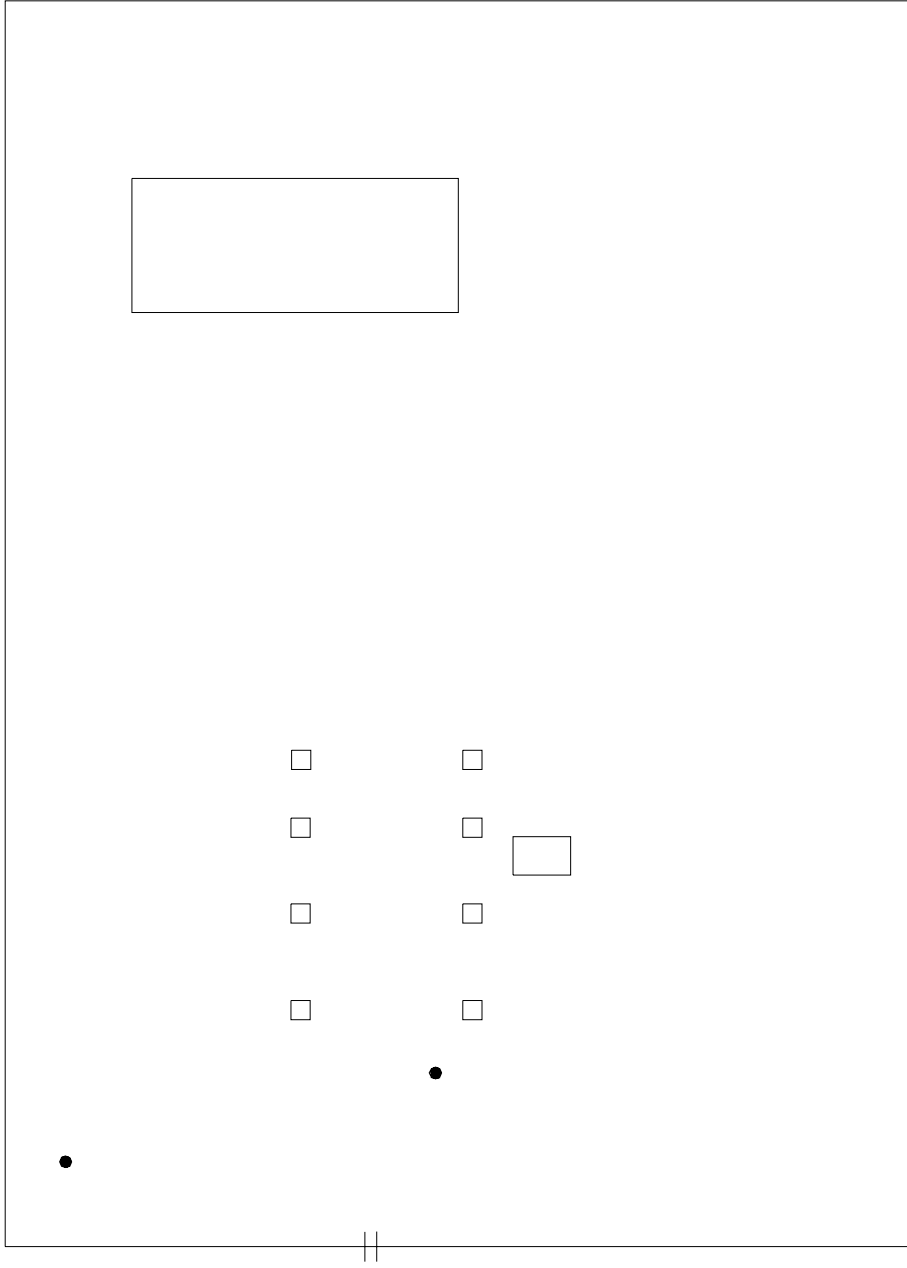


SYMBOLS KEY

- VENT STACK
- ① DEFECT-REPAIR
- ROOF DRAIN

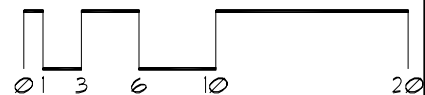


Roof Corrective Action

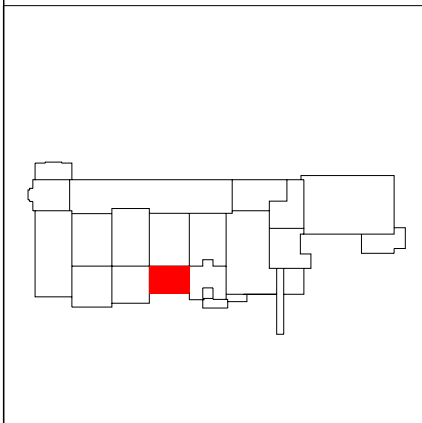
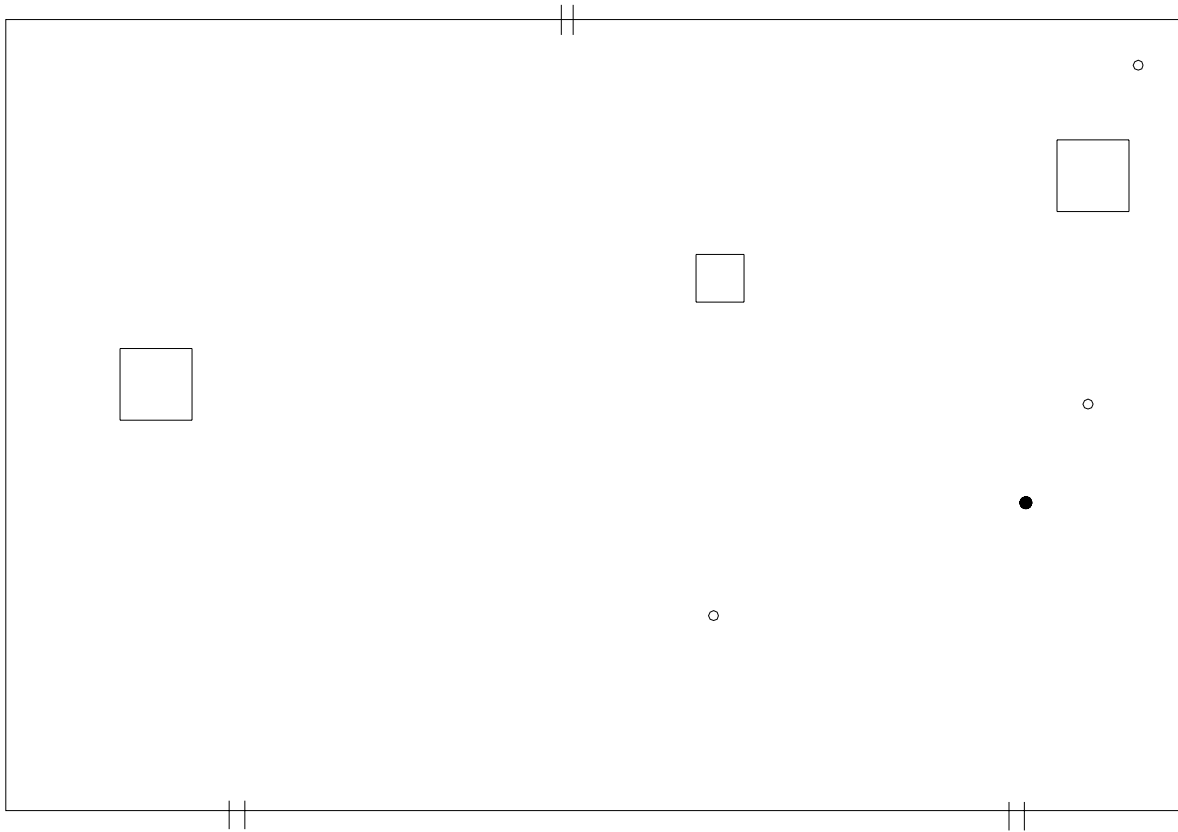


SYMBOLS KEY

□	ROOF CURB
●	ROOF DRAIN
	SCUPPER

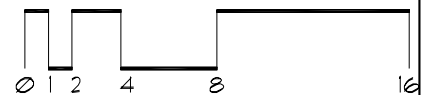


Roof Corrective Action

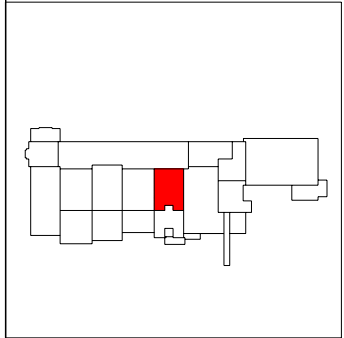
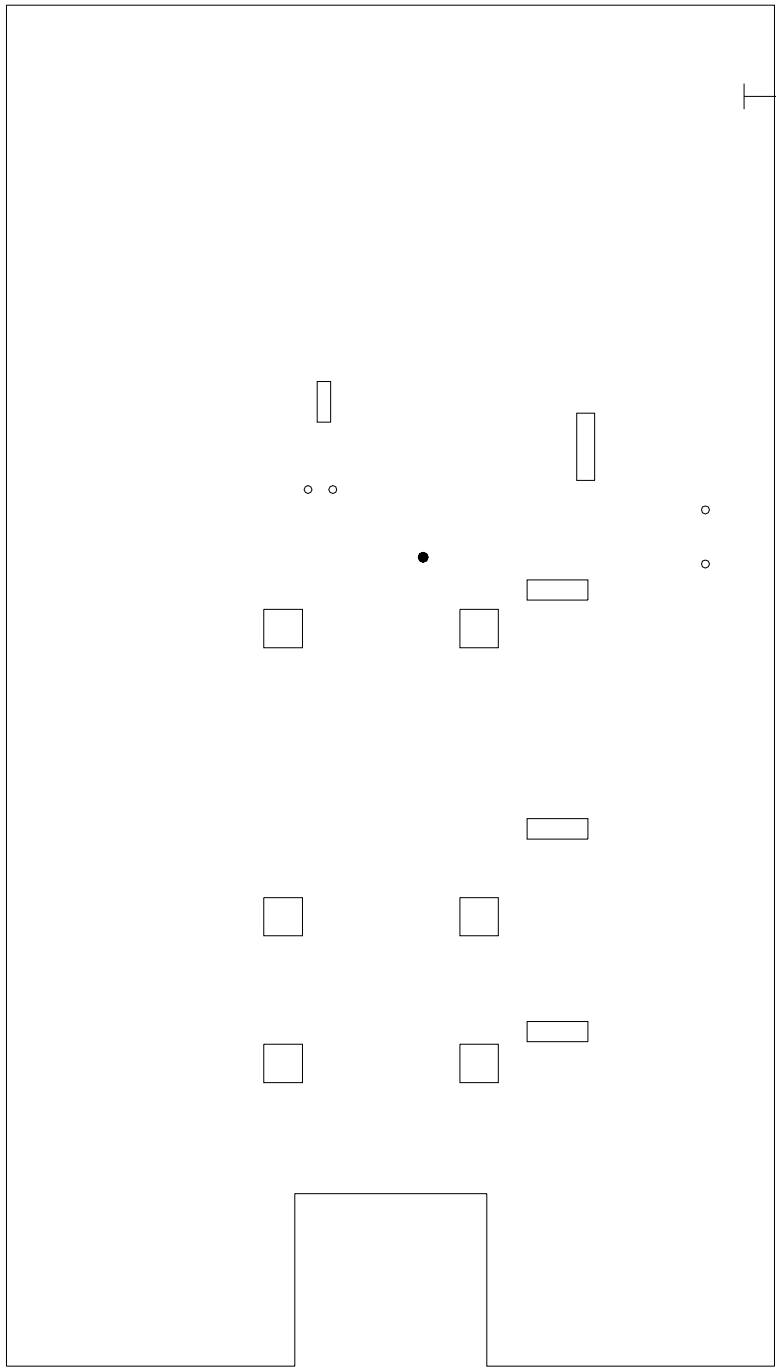


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊕ DEFECT-REPAIR
- ⊖ DEFECT-NO REPAIR

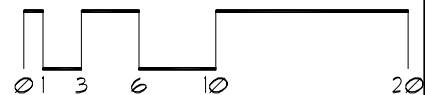


Roof Corrective Action

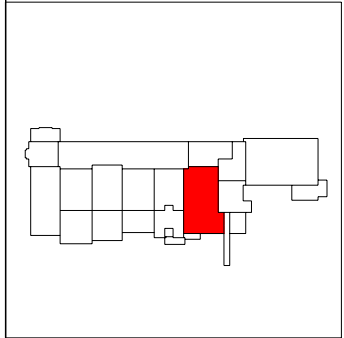
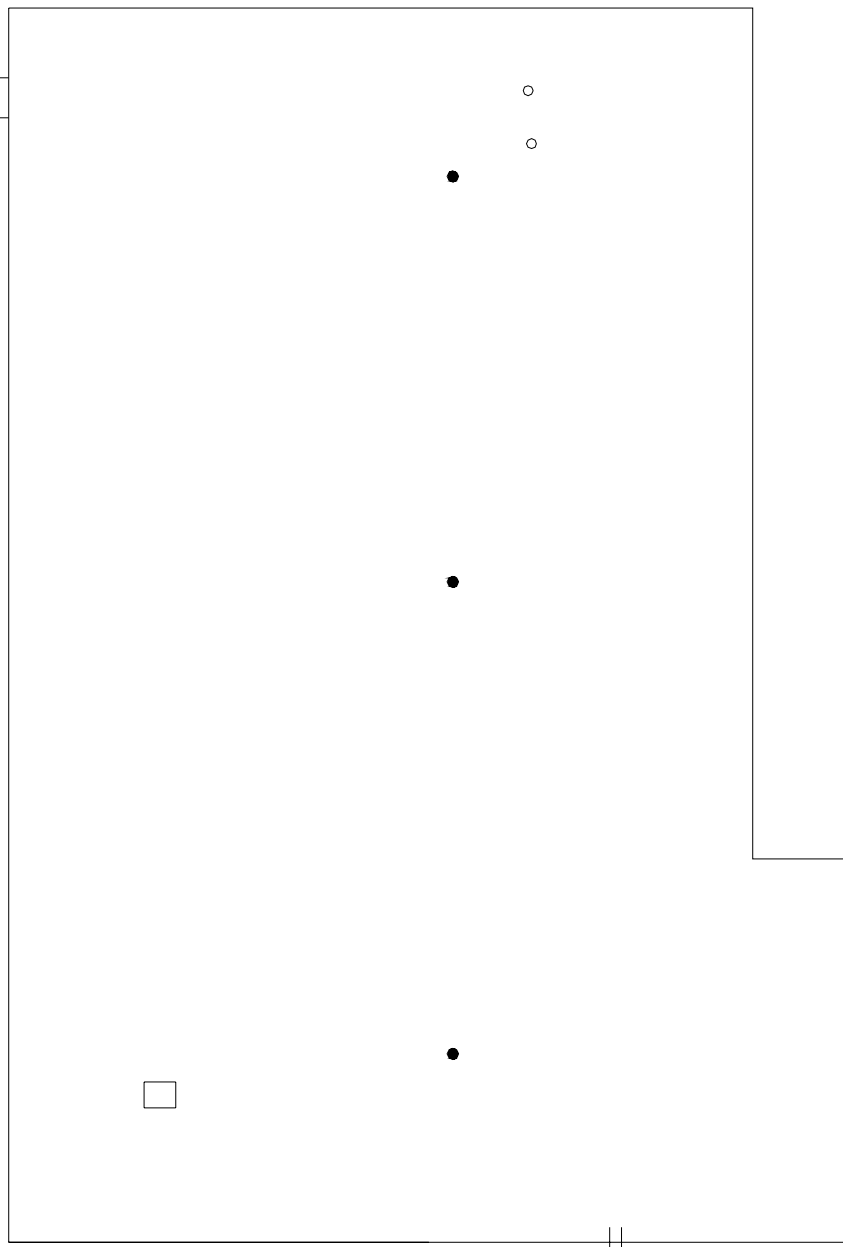


SYMBOLS KEY

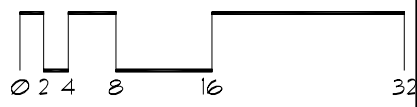
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- I LADDER
- DEFECT-REPAIR



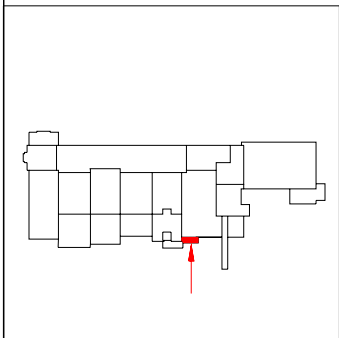
Roof Corrective Action



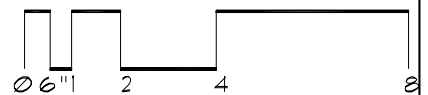
- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - I LADDER
 - Ⓜ DEFECT-REPAIR
 - Ⓜ DEFECT-NO REPAIR



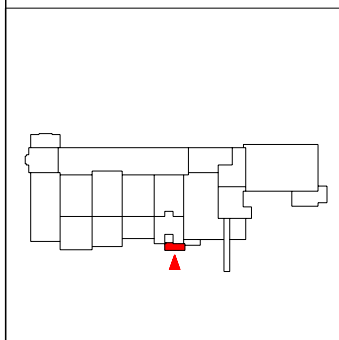
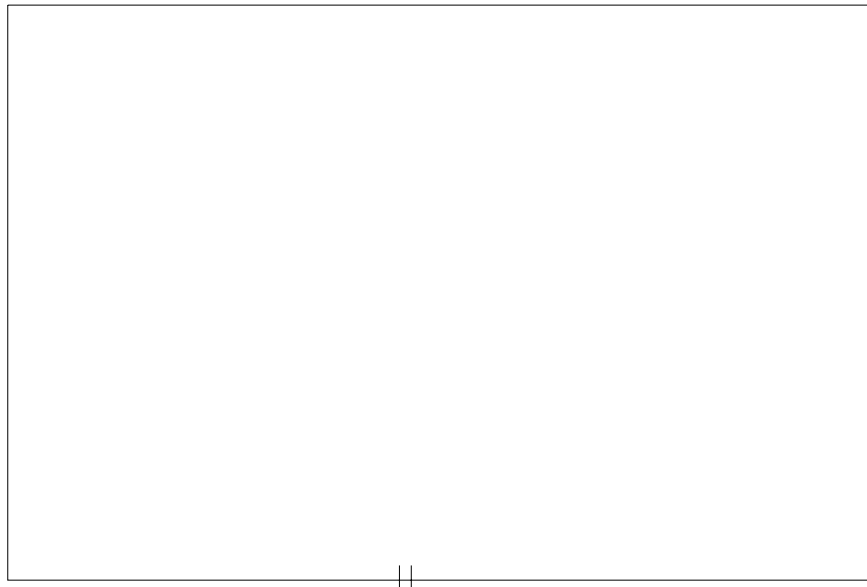
Roof Corrective Action



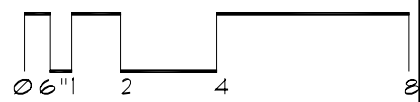
SYMBOLS KEY	
††	SCUPPER
Ⓢ	DEFECT-REPAIR



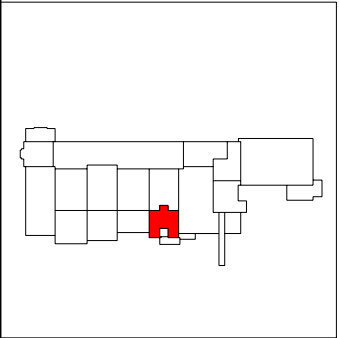
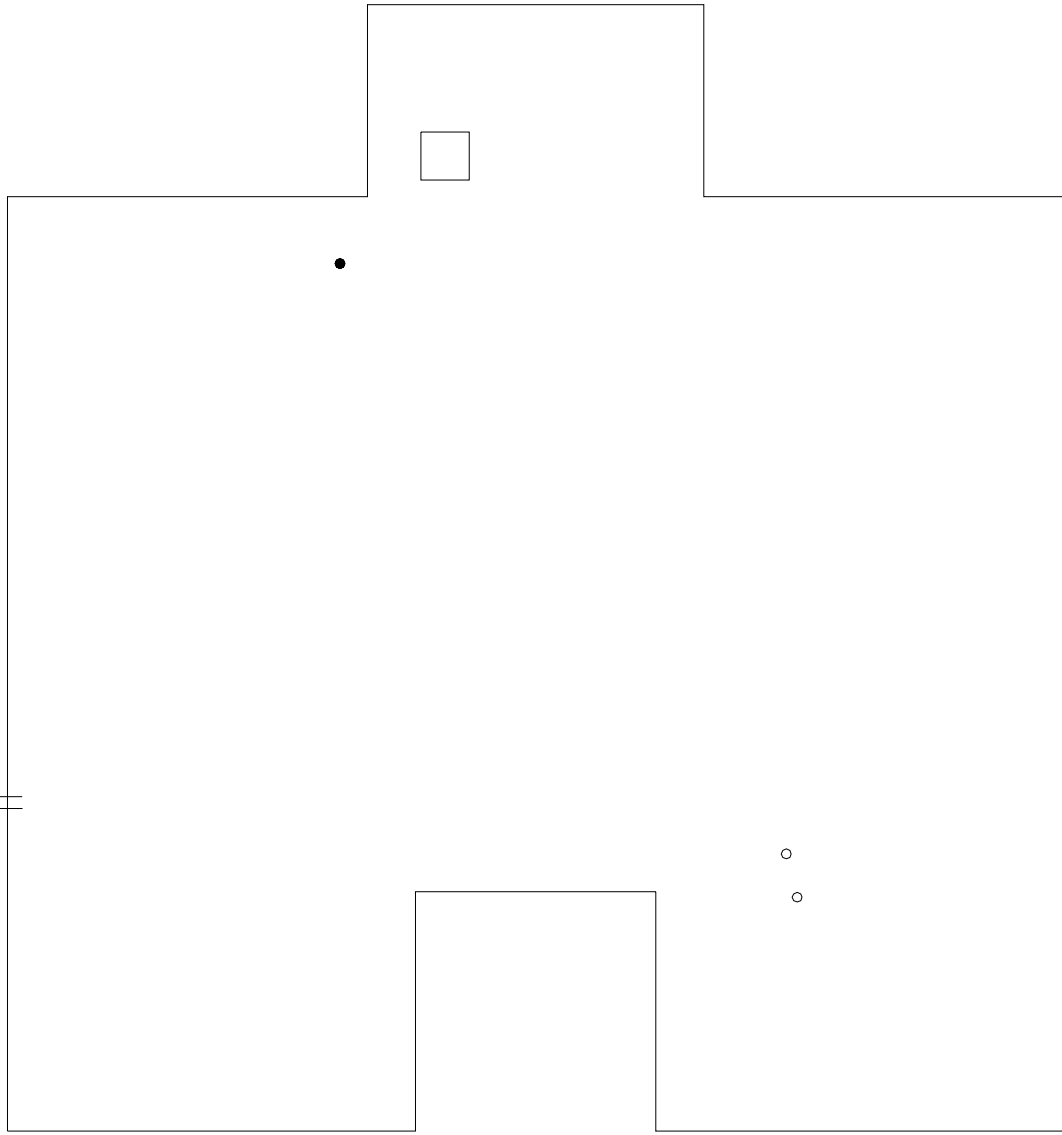
Roof Corrective Action



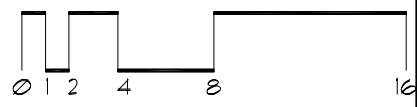
SYMBOLS KEY
|| SCUPPER



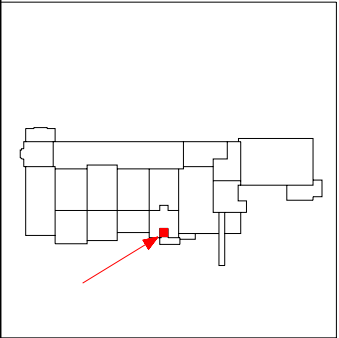
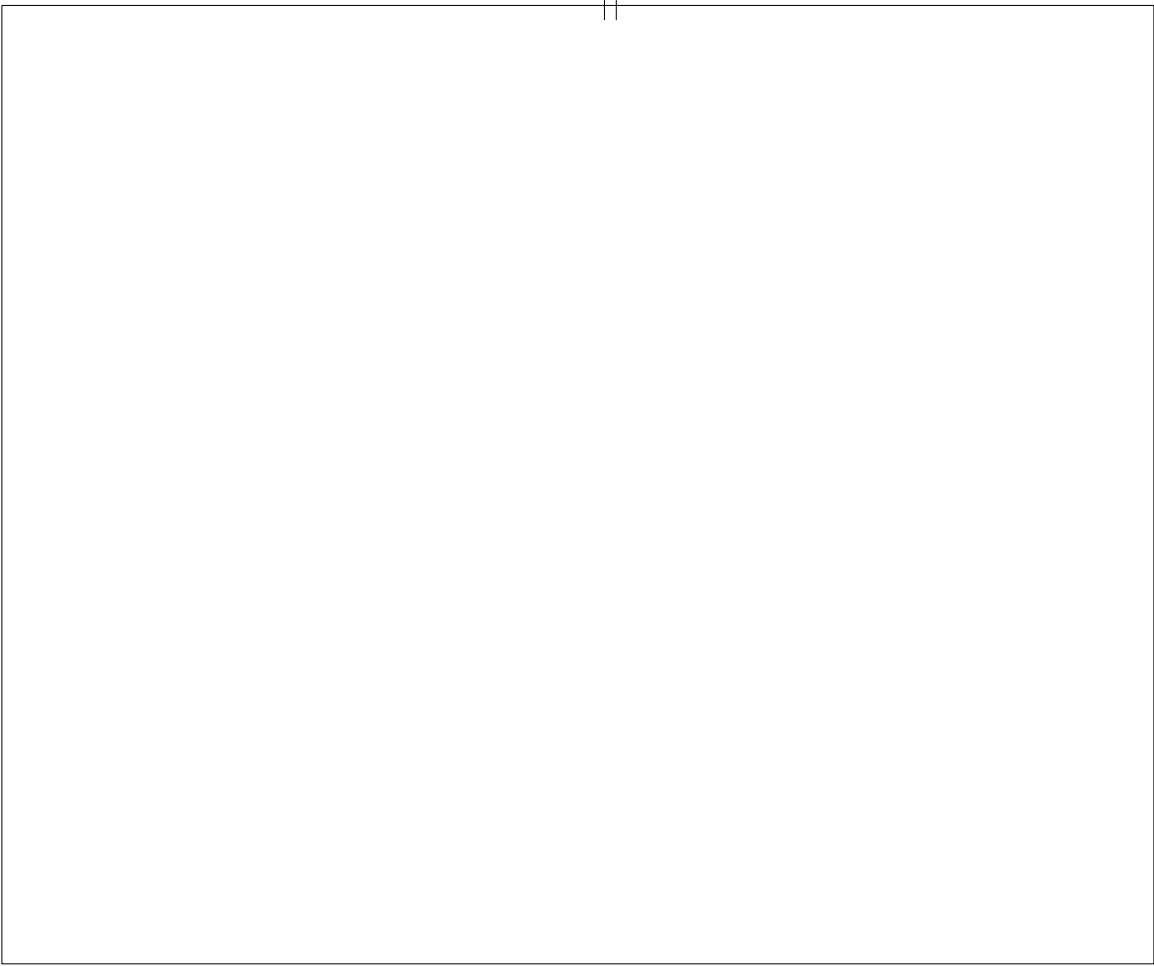
Roof Corrective Action



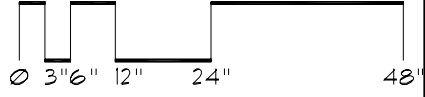
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
⊕	SCUPPER



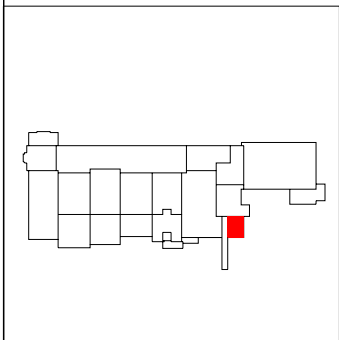
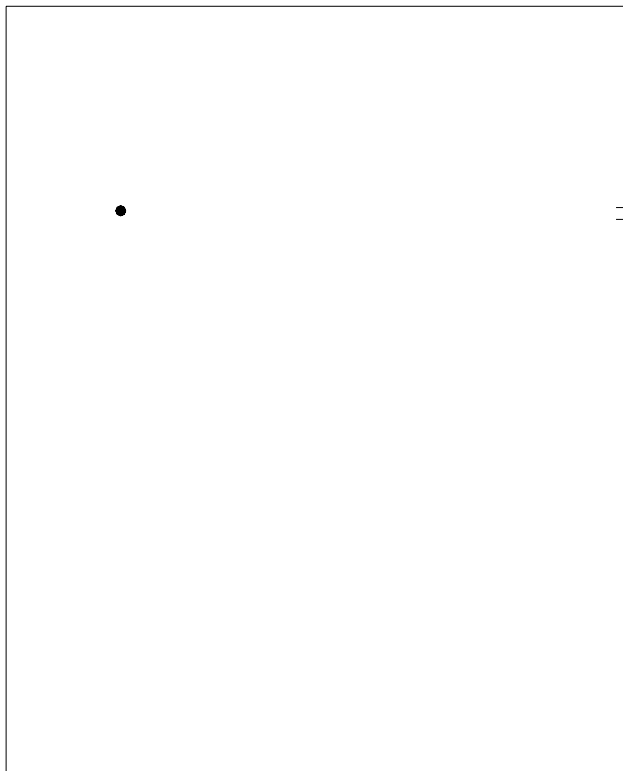
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
⓪ DEFECT-NO REPAIR



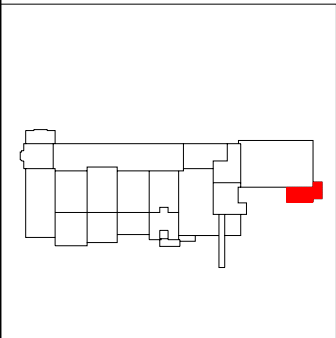
Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN
|| SCUPPER

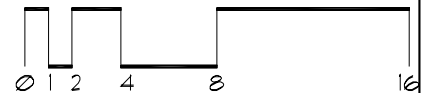


Roof Corrective Action



SYMBOLS KEY

○	VENT STACK
≡	SCUPPER
⊖	DEFECT-NO REPAIR
⊕	DEFECT-REPAIR



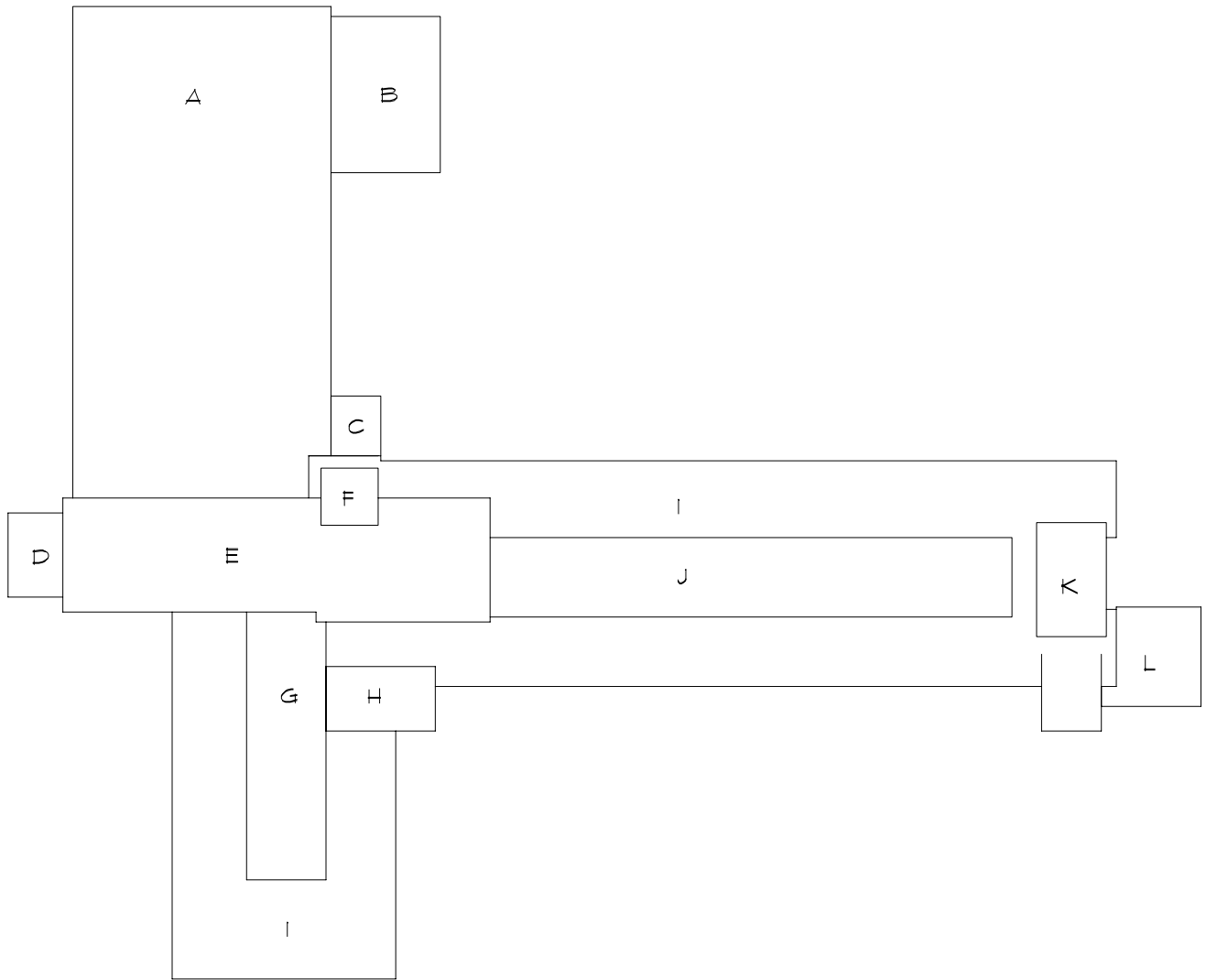
Roof ID

Building: SP372 - Peters Hall - (1404 Gortner Ave St Paul, Mn)

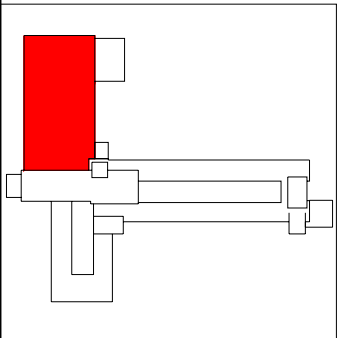
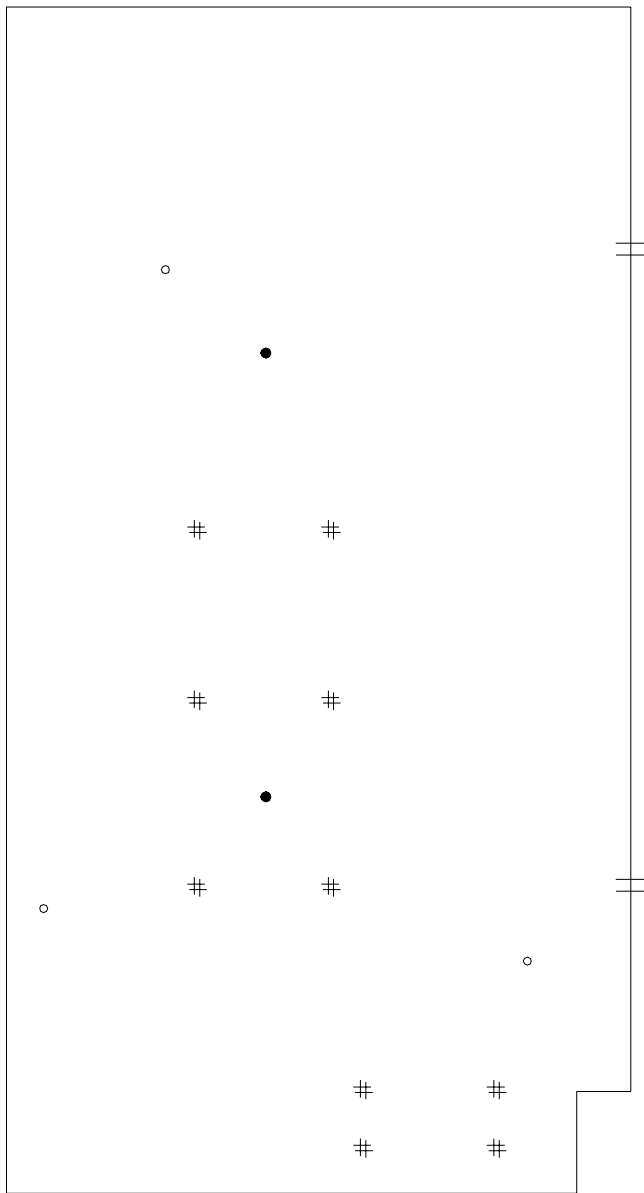
Roof Access: Stairwell near area B

Total Area: 18,227 sf

A	5,110 sf	E	1,985 sf	I	6,500 sf
B	693 sf	F	132 sf	J	1,680 sf
C	120 sf	G	860 sf	K	322 sf
D	187 sf	H	286 sf	L	352 sf

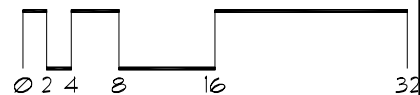


Roof Corrective Action

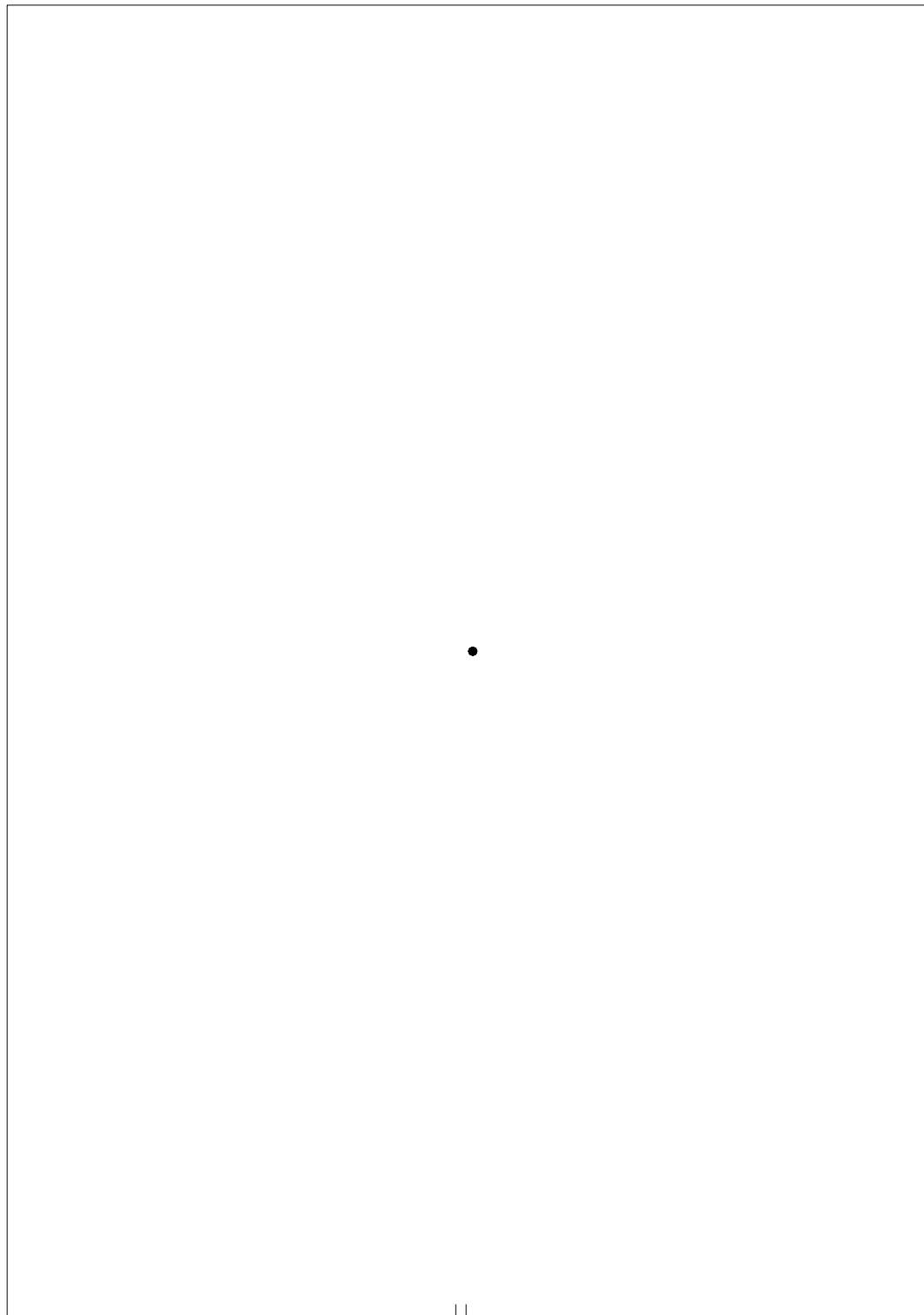


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # SCUPPER
- I LADDER
- Ⓢ DEFECT-REPAIR

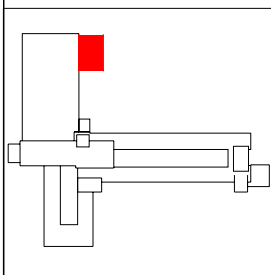


Roof Corrective Action



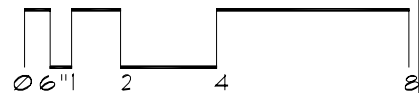
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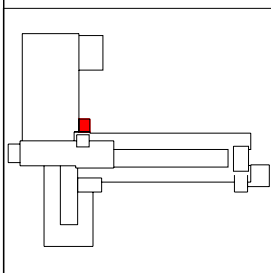
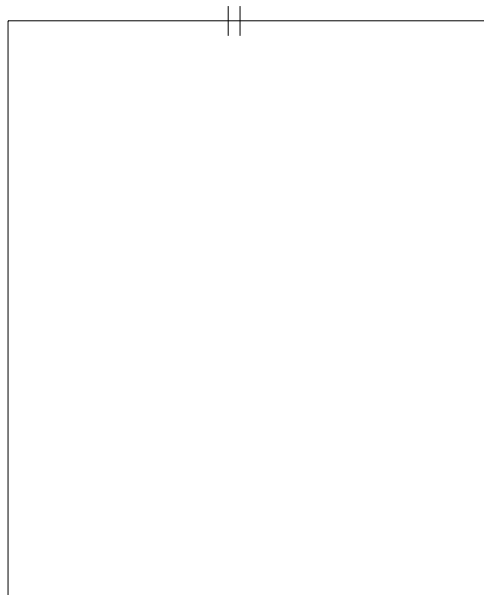


SYMBOLS KEY

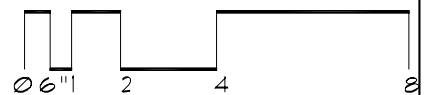
- ROOF DRAIN
- || SCUPPER



Roof Corrective Action

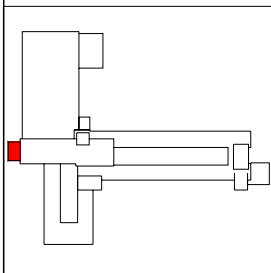
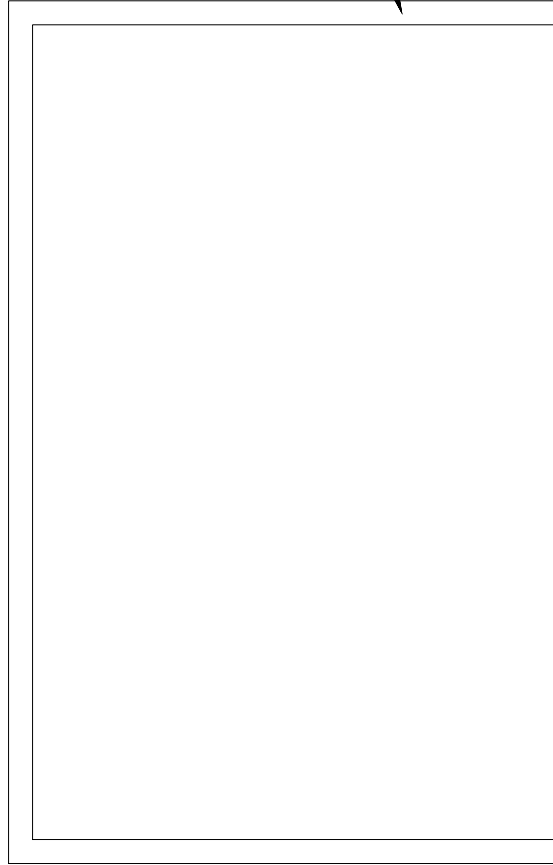


SYMBOLS KEY
|| SCUPPER

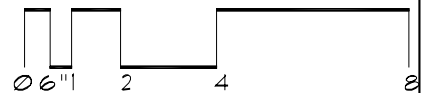


Roof Corrective Action

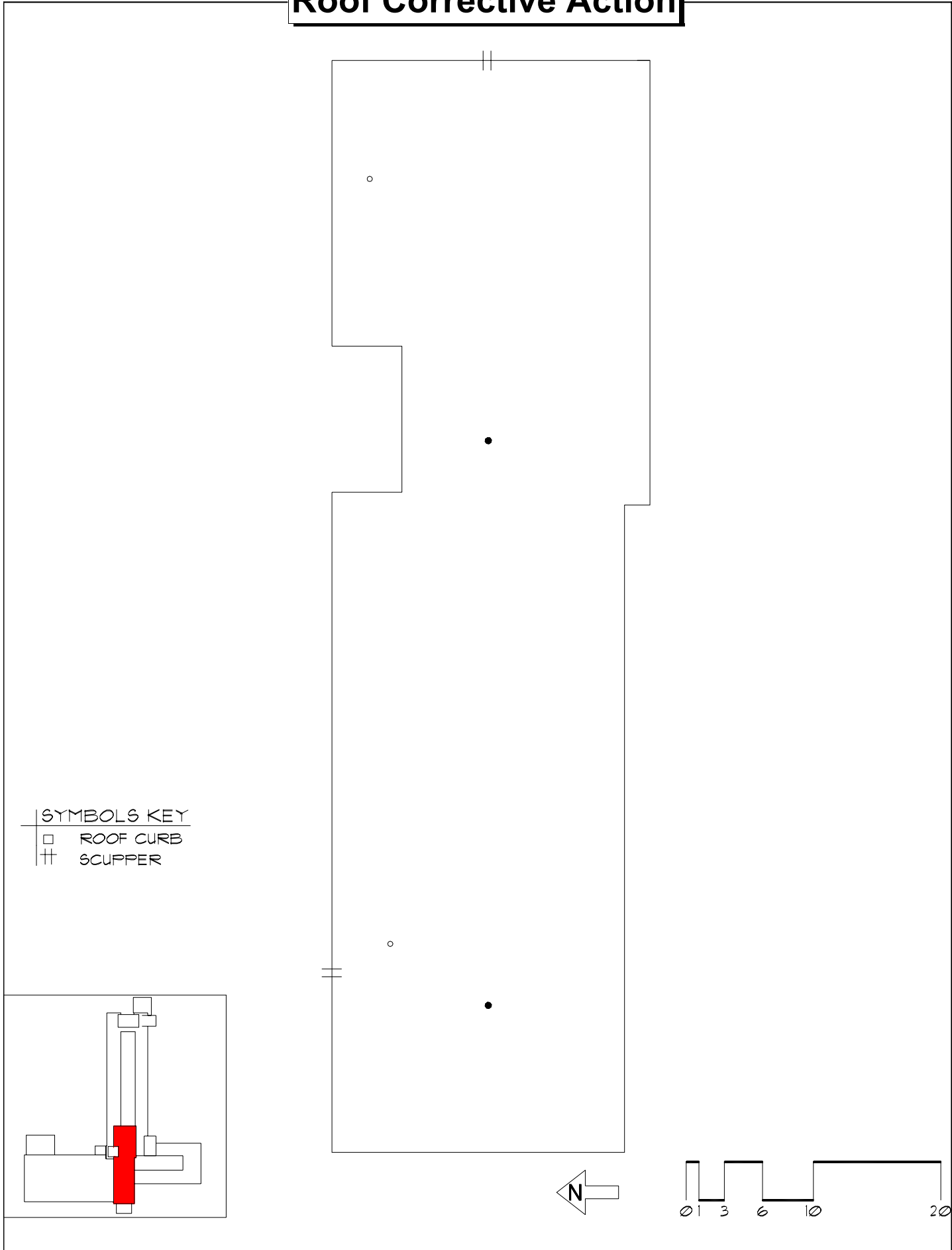
GUTTER



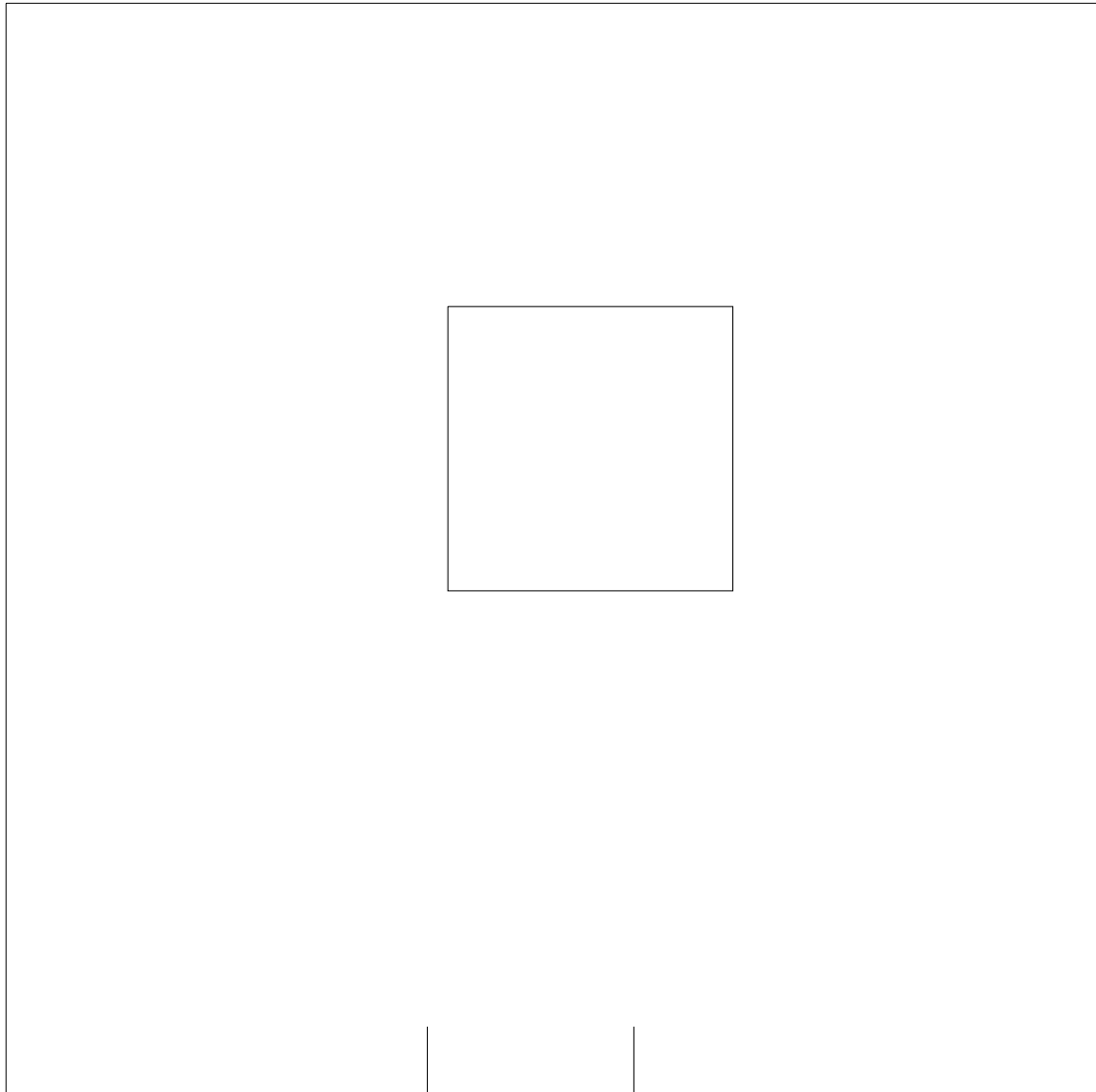
SYMBOLS KEY
① DEFECT-REPAIR



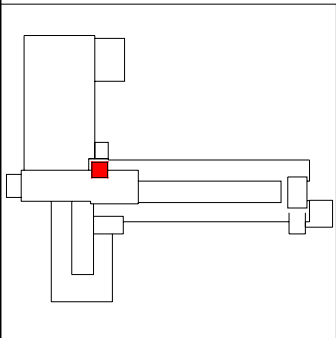
Roof Corrective Action



Roof Corrective Action

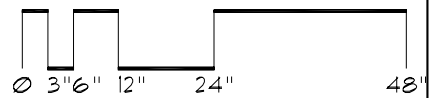


SCUPPER

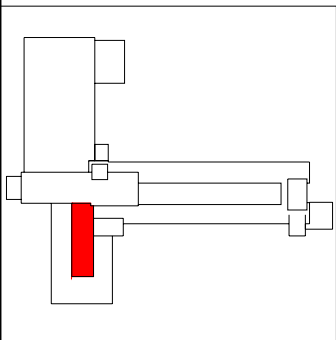


SYMBOLS KEY

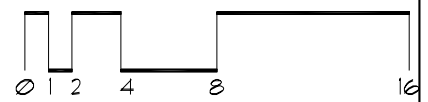
- † SCUPPER
- Ⓢ DEFECT-REPAIR
- ROOF CURB



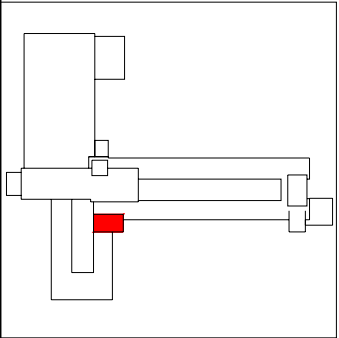
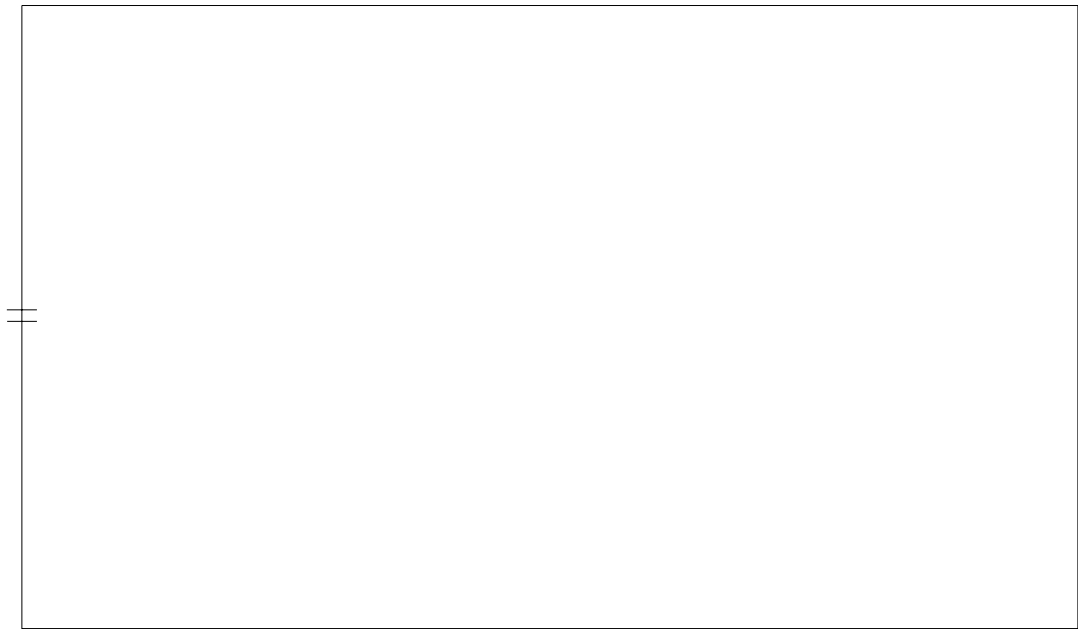
Roof Corrective Action



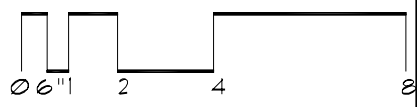
- SYMBOLS KEY**
- ROOF DRAIN
 - ≡ SCUPPER
 - Ⓢ DEFECT-REPAIR



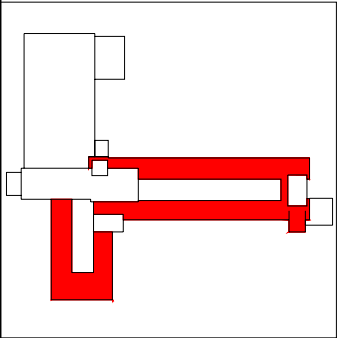
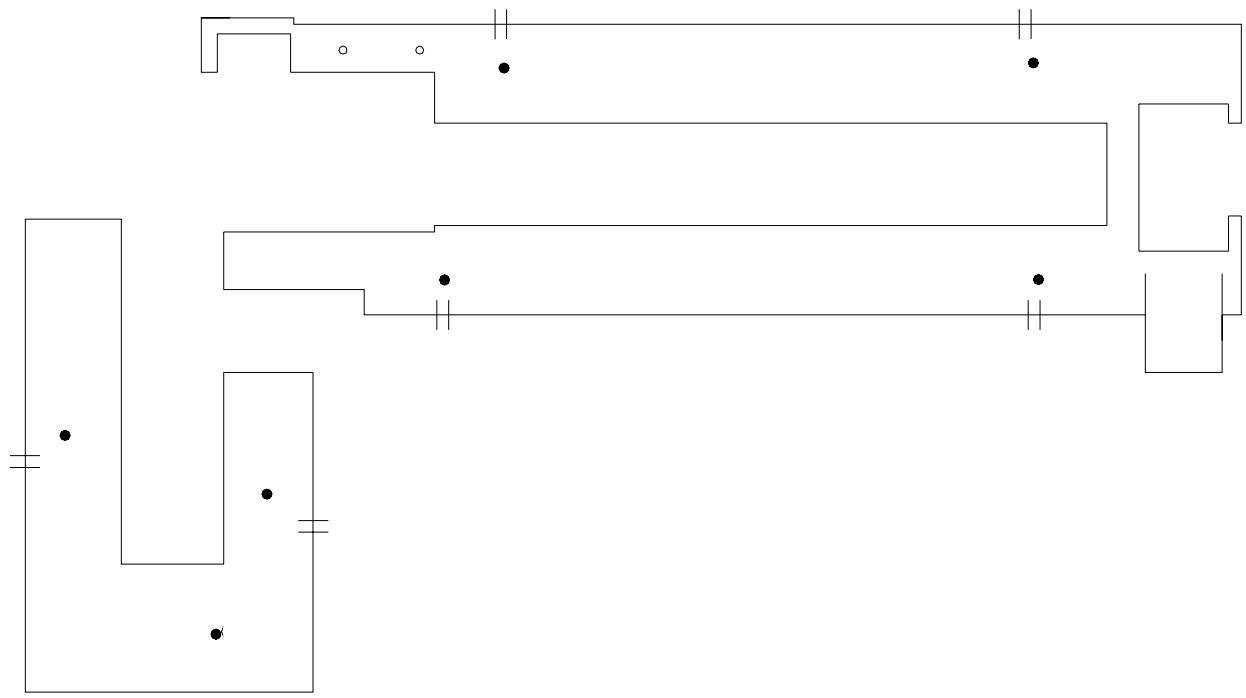
Roof Corrective Action



SYMBOLS KEY
① DEFECT-REPAIR
‡ SCUPPER

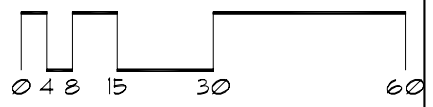
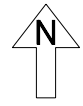


Roof Corrective Action

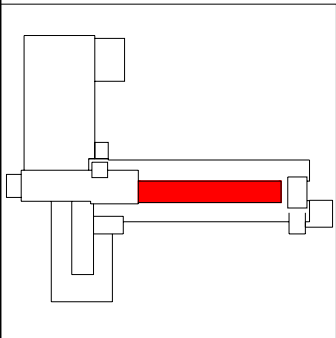
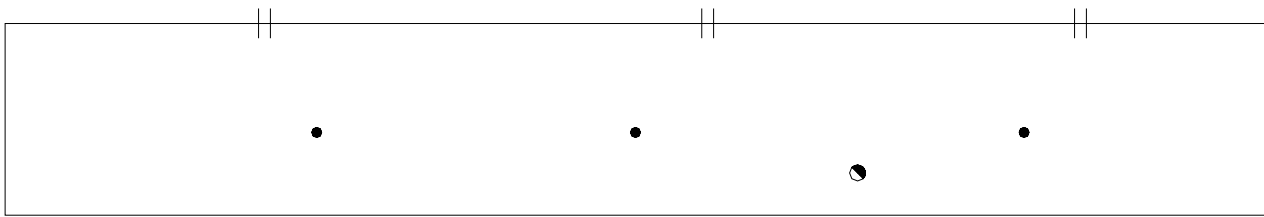


SYMBOLS KEY

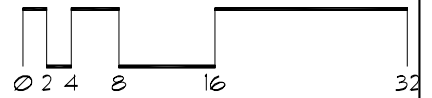
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- Ⓢ DEFECT-REPAIR
- Ⓣ DEFECT-NO REPAIR



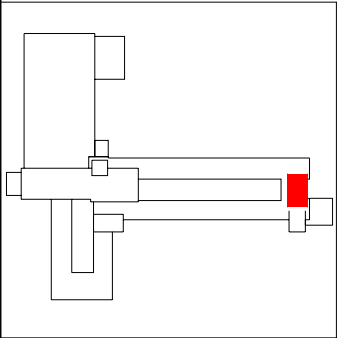
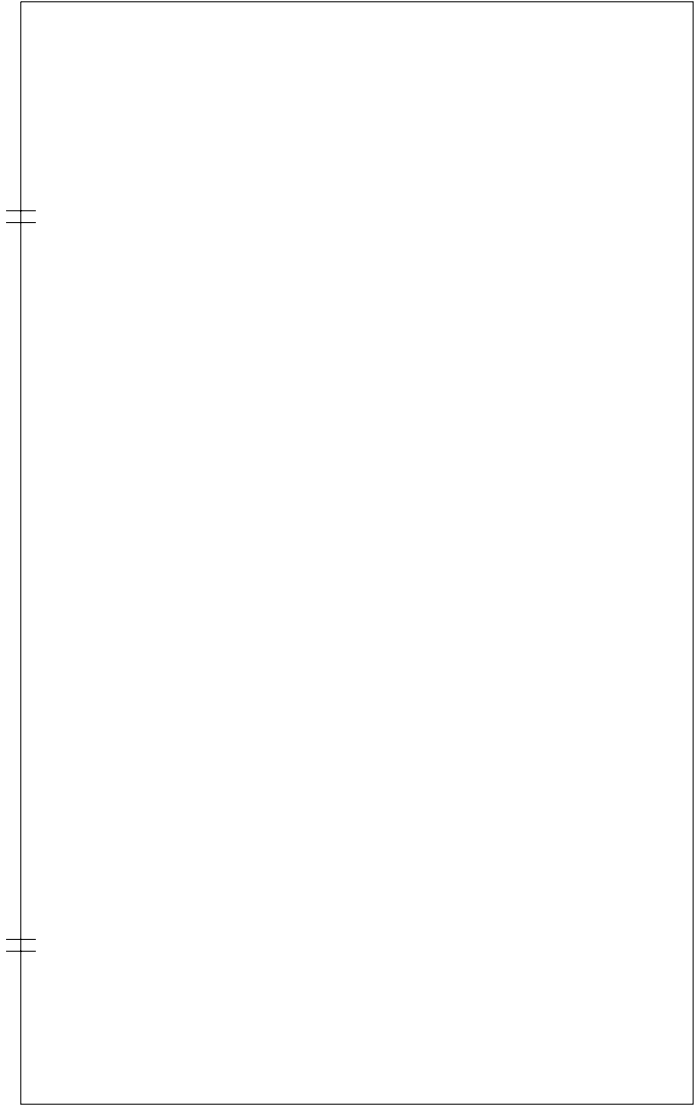
Roof Corrective Action



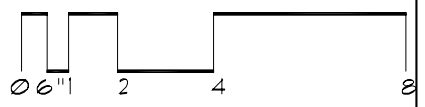
- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - † SCUPPER
 - HEAT STACK
 - Ⓢ DEFECT-REPAIR



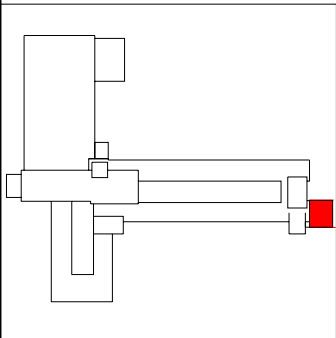
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER

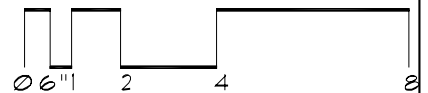


Roof Corrective Action



SYMBOLS KEY

- † SCUPPER
- ROOF DRAIN
- ① DEFECT-REPAIR



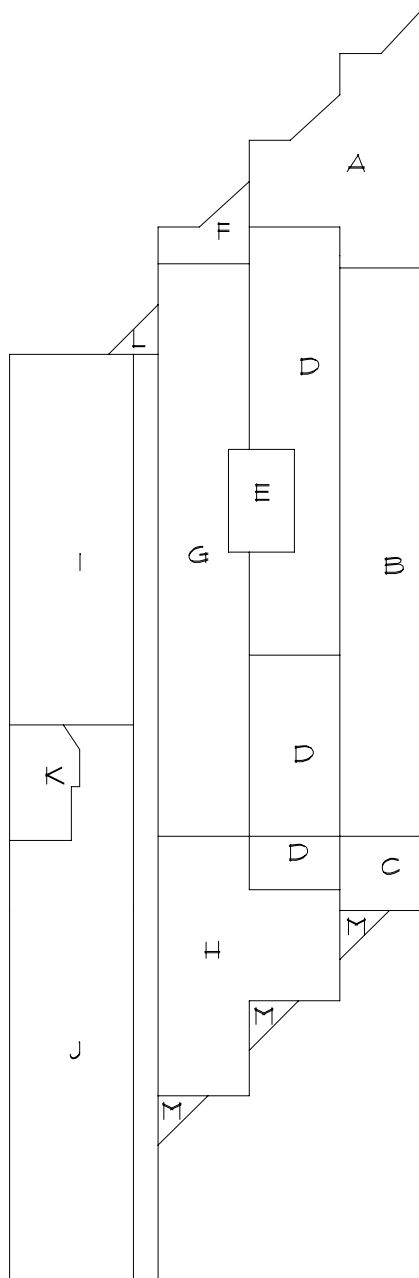
Roof ID

Building: SP373 - Magrath Library - (1984 Buford Ave. St. Paul)

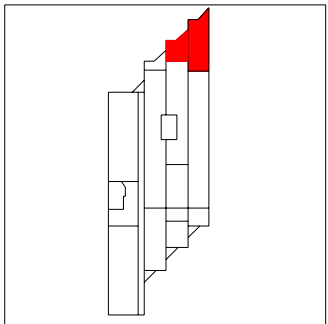
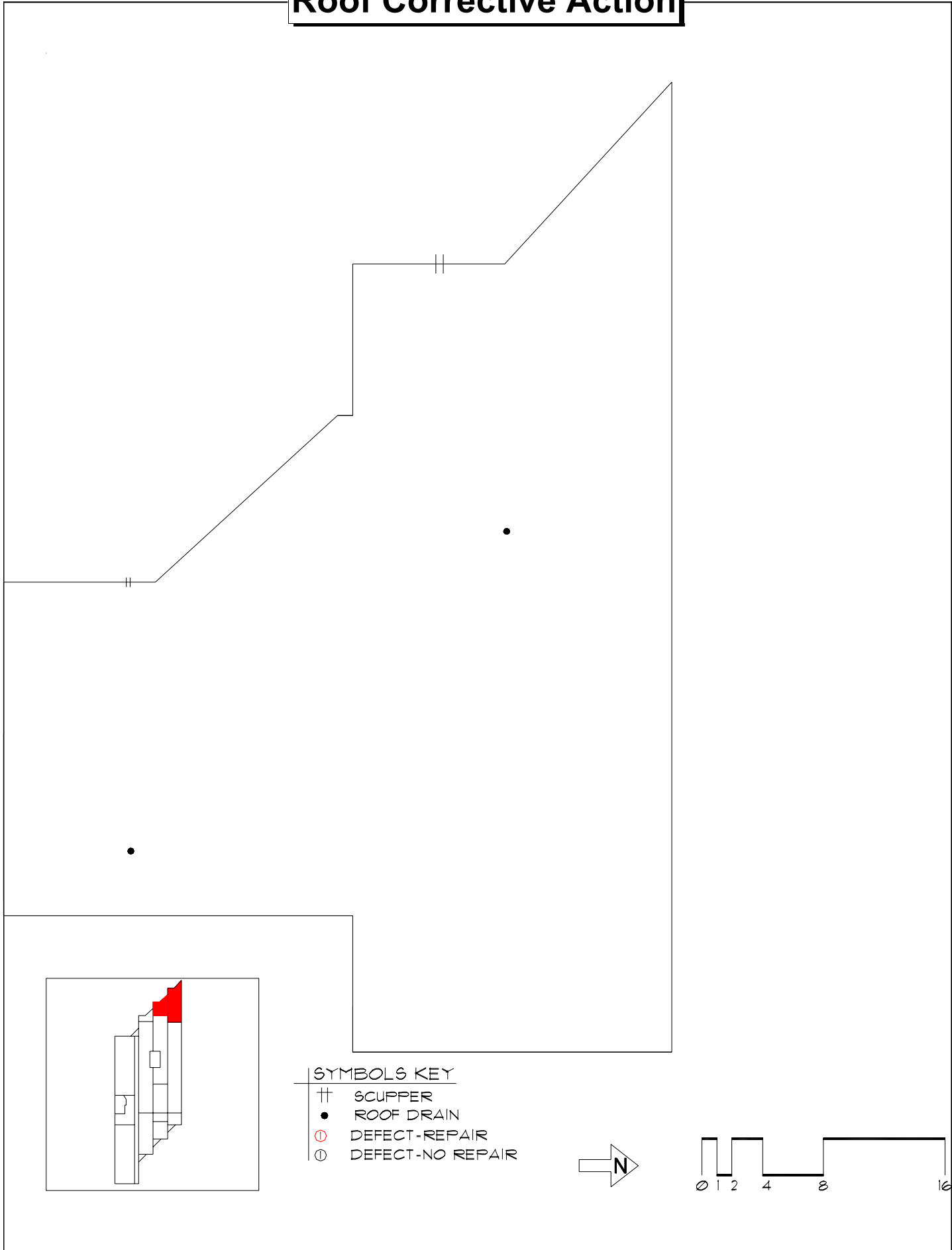
Roof Access: Go into library to elevators in the middle, top floor

Total Area: 17,167 sf

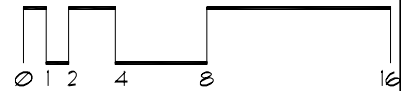
<u>A</u>	<u>1,122</u> sf	<u>E</u>	<u>2,013</u> sf	<u>I</u>	<u>2,933</u> sf	<u>M</u>	<u>435</u> sf
<u>B</u>	<u>2,898</u> sf	<u>F</u>	<u>400</u> sf	<u>J</u>	<u>1,386</u> sf		
<u>C</u>	<u>378</u> sf	<u>G</u>	<u>594</u> sf	<u>K</u>	<u>2,700</u> sf		
<u>D</u>	<u>737</u> sf	<u>H</u>	<u>296</u> sf	<u>L</u>	<u>1,275</u> sf		



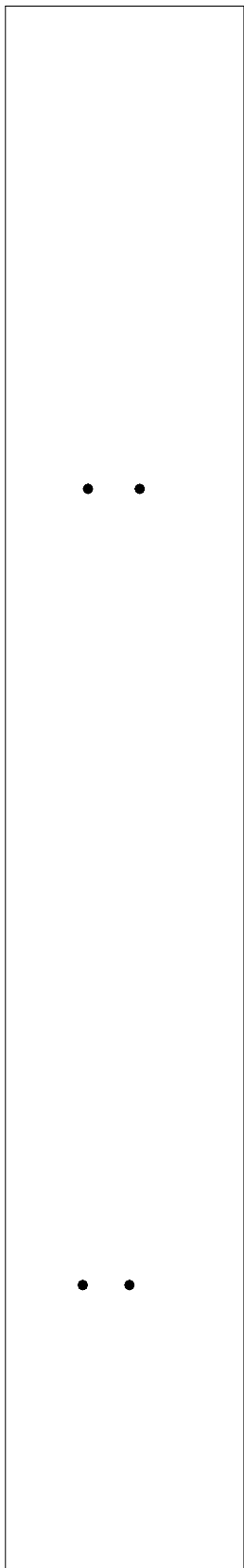
Roof Corrective Action



- SYMBOLS KEY**
- || SCUPPER
 - ROOF DRAIN
 - ⊖ DEFECT-REPAIR
 - ⊕ DEFECT-NO REPAIR

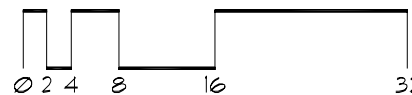
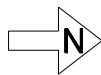
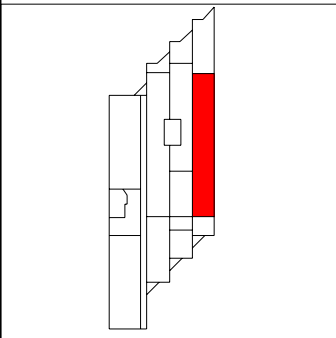


Roof Corrective Action

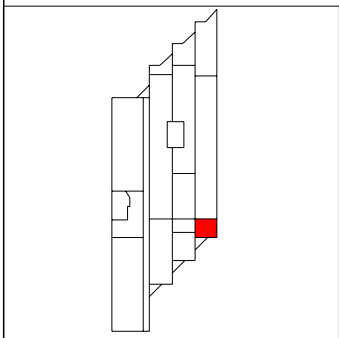
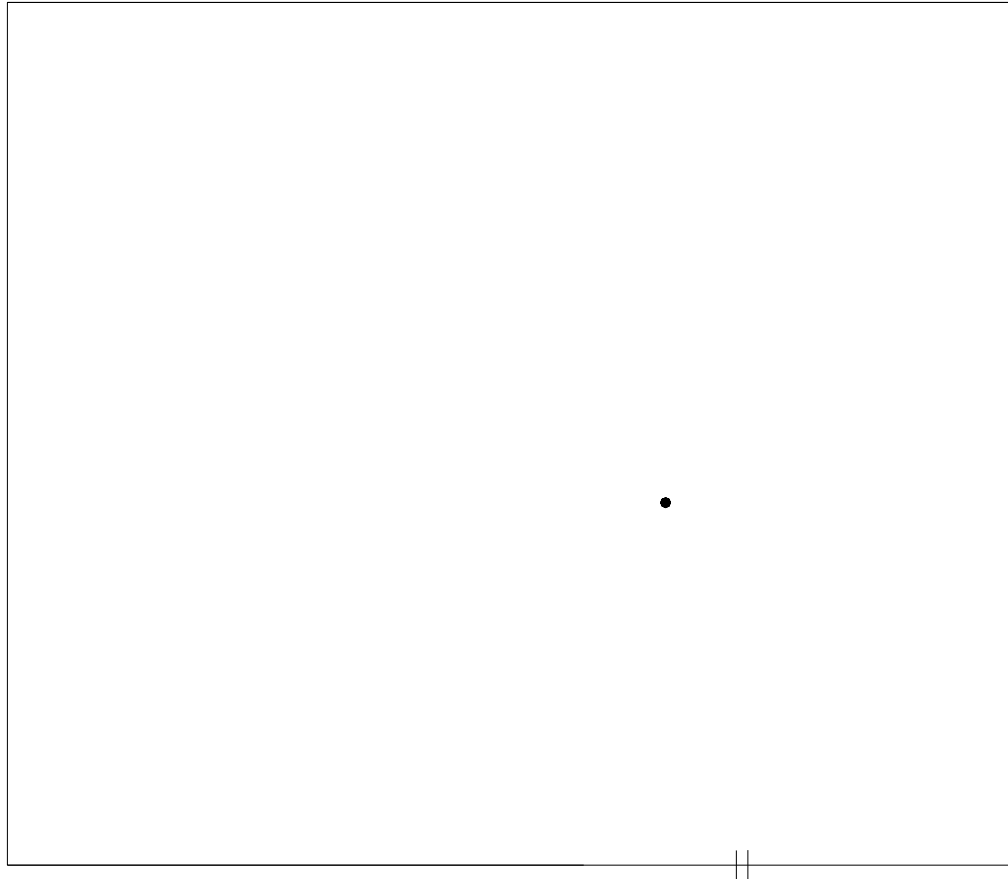


SYMBOLS KEY

• ROOF DRAIN

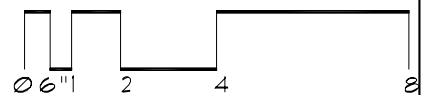


Roof Corrective Action

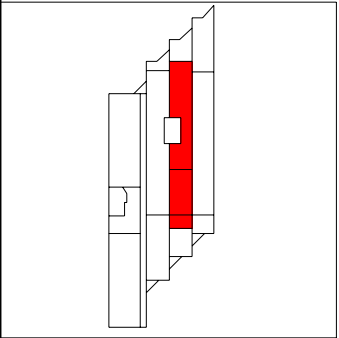
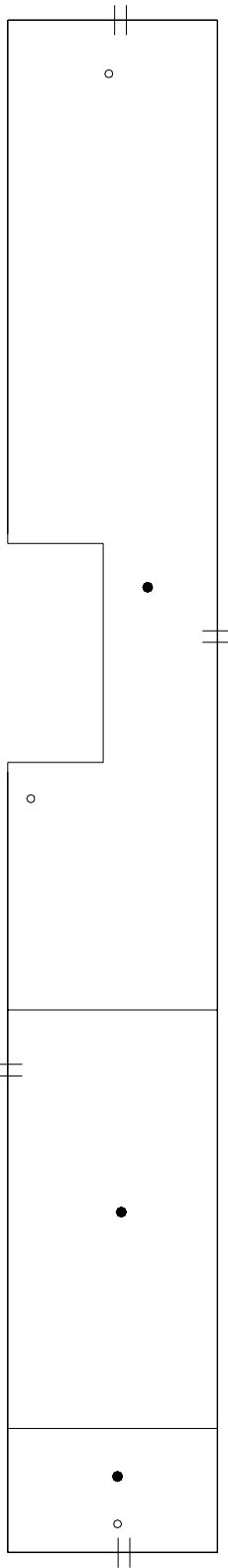


SYMBOLS KEY

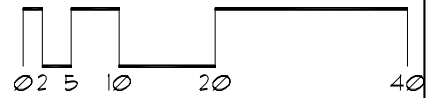
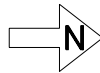
- ROOF DRAIN
- †† SCUPPER
- ⓘ DEFECT-REPAIR



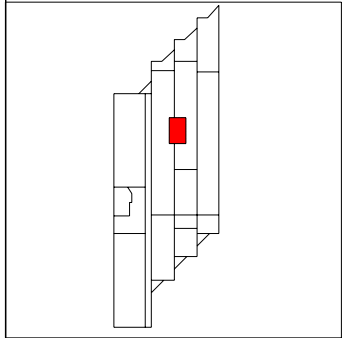
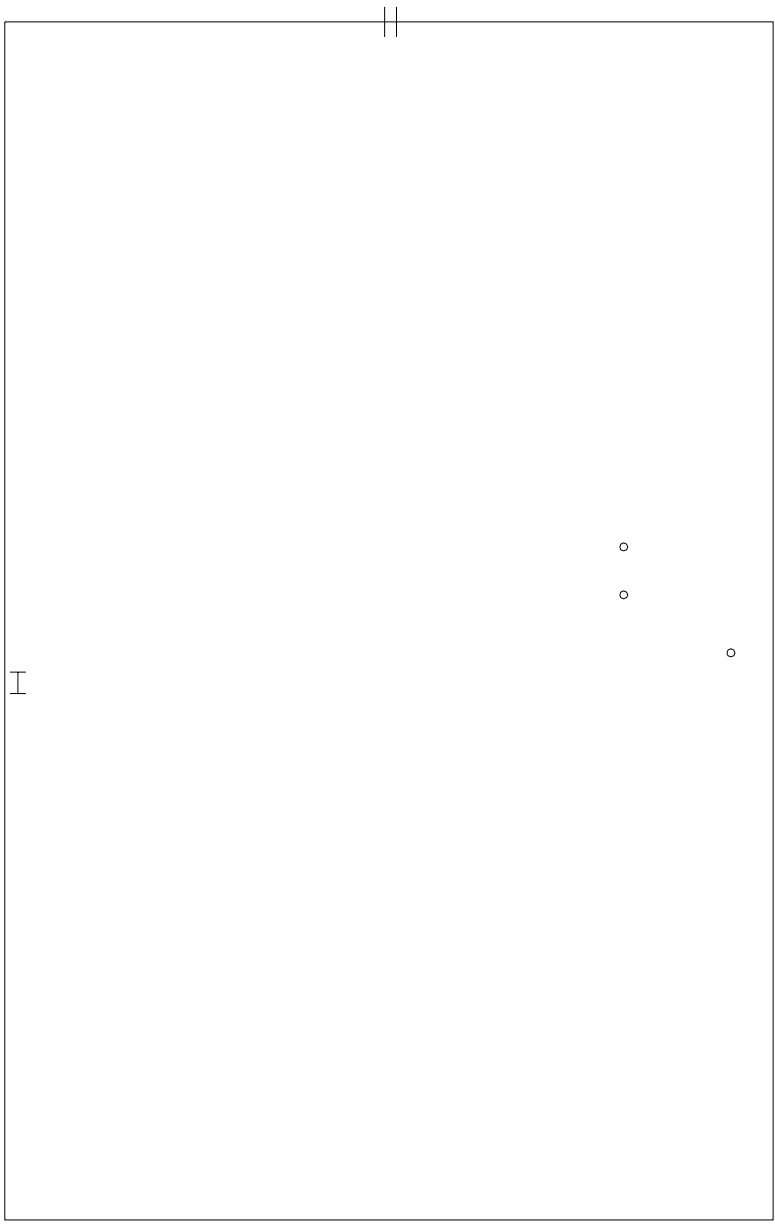
Roof Corrective Action



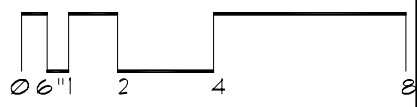
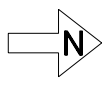
- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - || SCUPPER
 - ⊖ DEFECT-NO REPAIR
 - ⊕ DEFECT-REPAIR



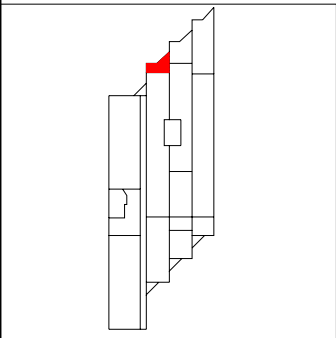
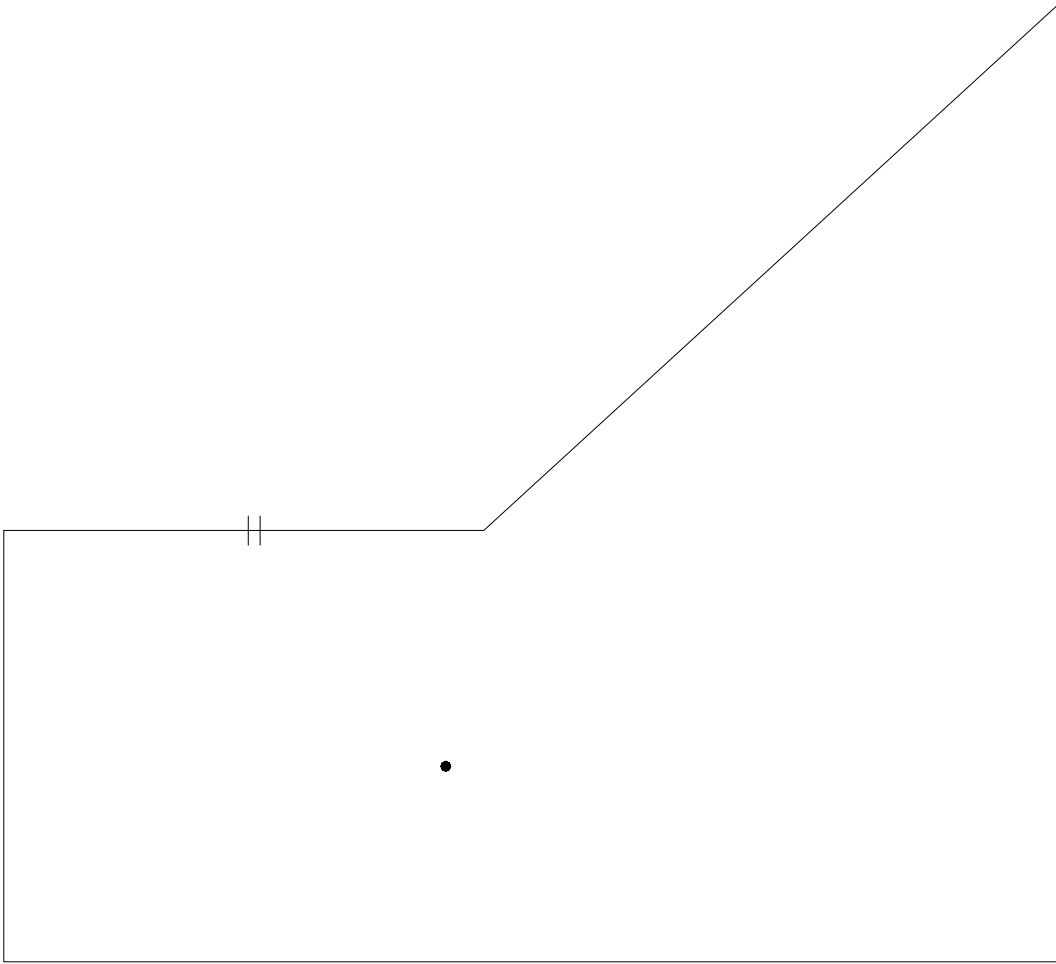
Roof Corrective Action



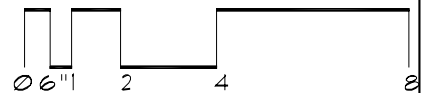
- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - Ⓢ DEFECT-REPAIR
 - I LADDER



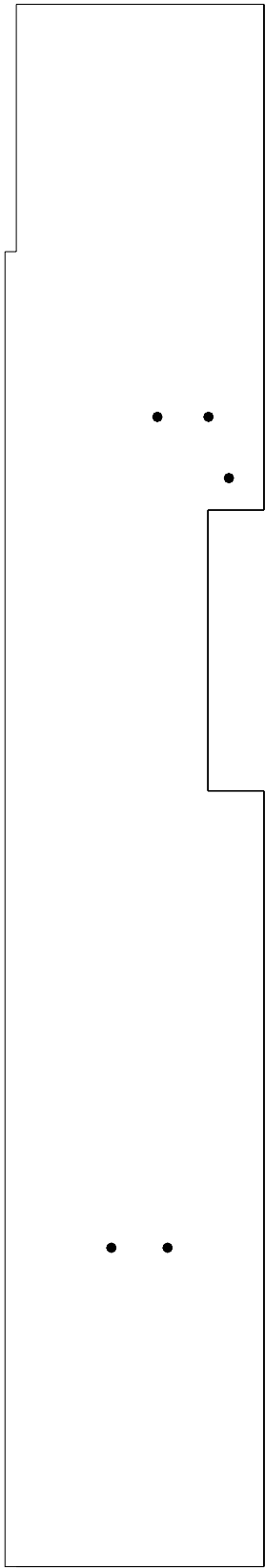
Roof Corrective Action



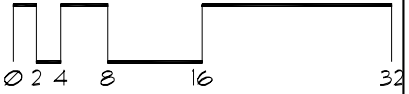
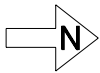
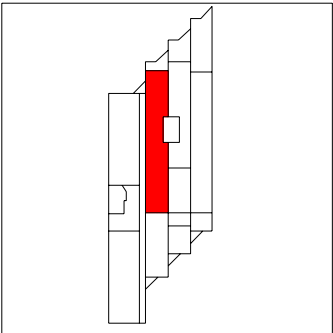
- SYMBOLS KEY**
- ⊥ SCUPPER
 - ROOF DRAIN
 - Ⓢ DEFECT-REPAIR



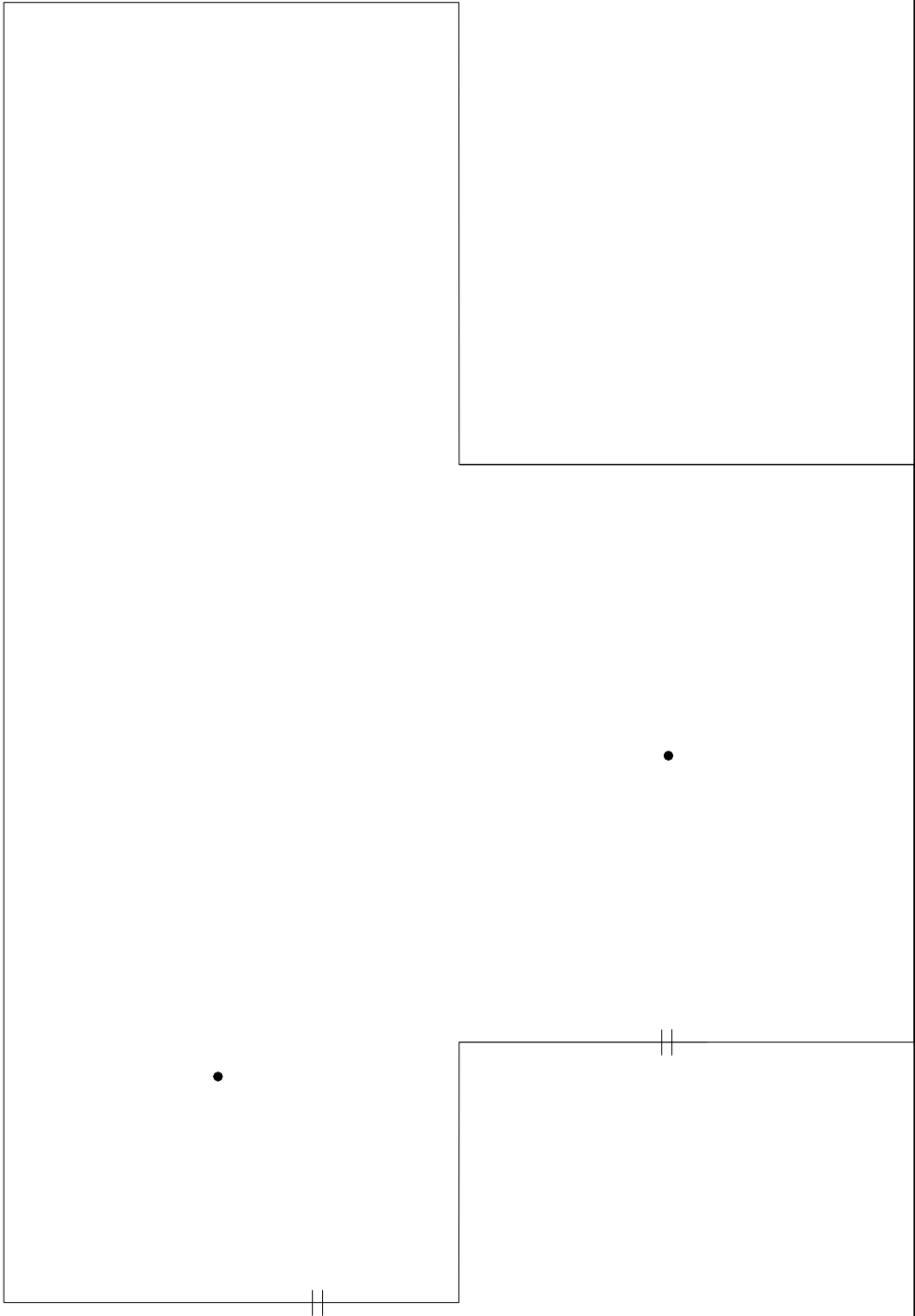
Roof Corrective Action



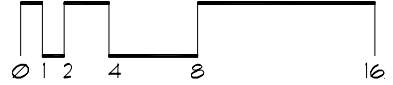
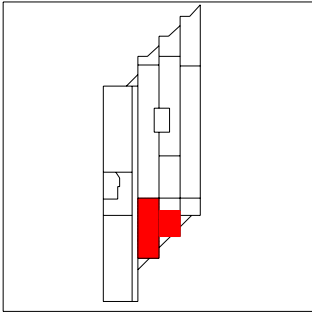
SYMBOLS KEY
● ROOF DRAIN



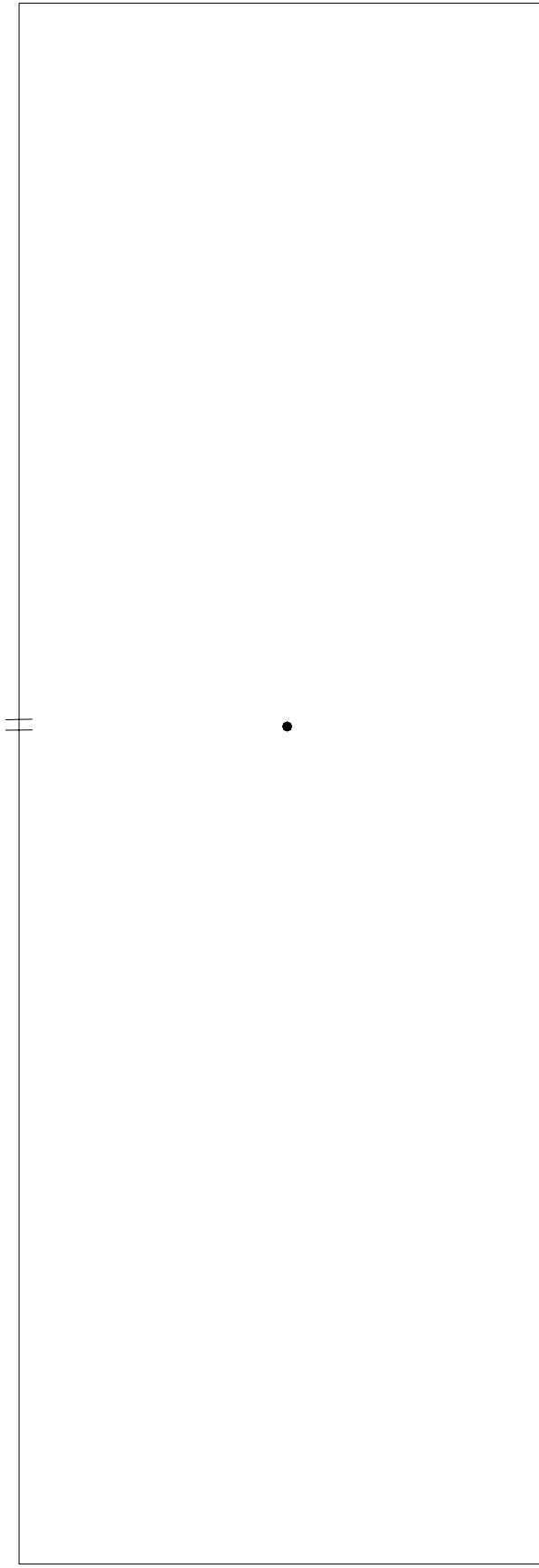
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
|| SCUFFER

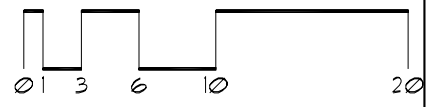
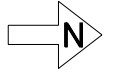
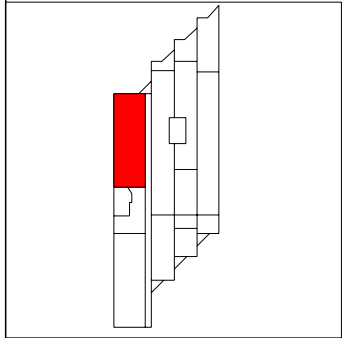


Roof Corrective Action

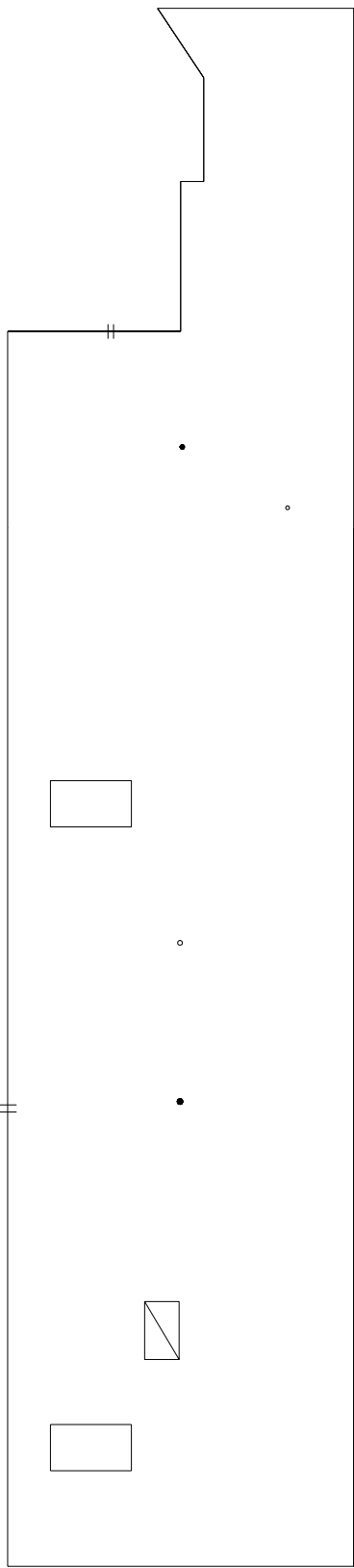


SYMBOLS KEY

- ROOF DRAIN
- † SCUPPER
- ⊖ DEFECT-NO REPAIR
- ⊕ DEFECT-REPAIR

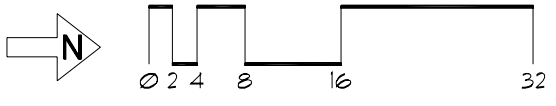
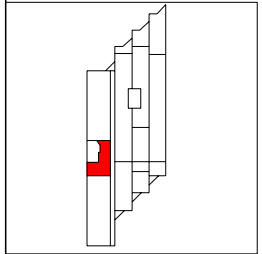


Roof Corrective Action

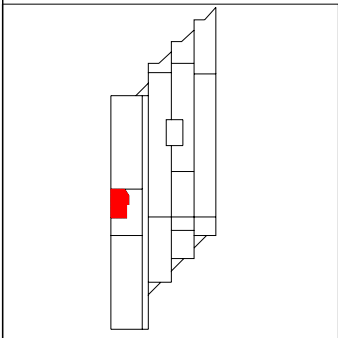
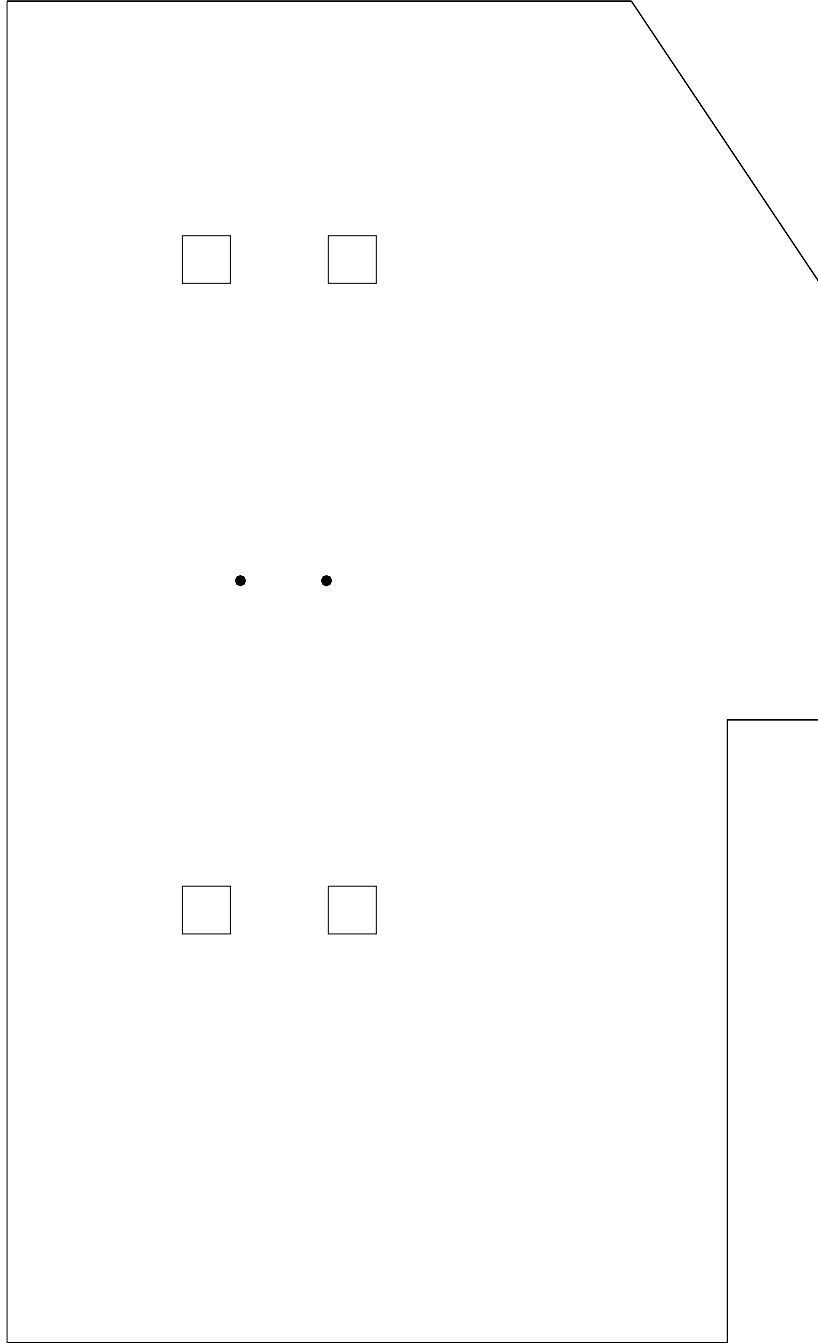


SYMBOLS KEY

- || SCUPPER
- ROOF DRAIN
- VENT STACK
- ⊙ DEFECT-REPAIR
- ⊖ DEFECT-NO REPAIR
- ROOF CURB
- ▣ ROOF HATCH

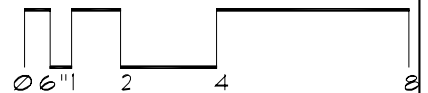


Roof Corrective Action

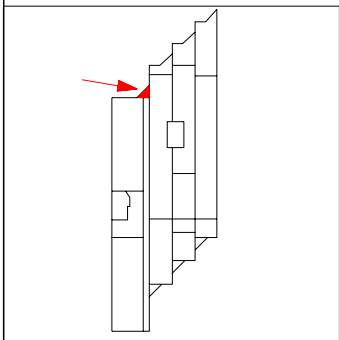


SYMBOLS KEY

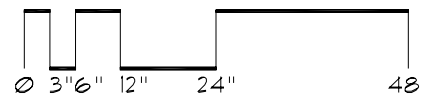
- ROOF CURB
- ROOF DRAIN
- ① DEFECT-REPAIR



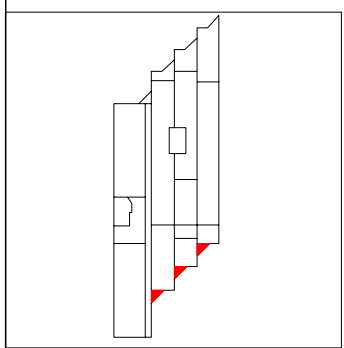
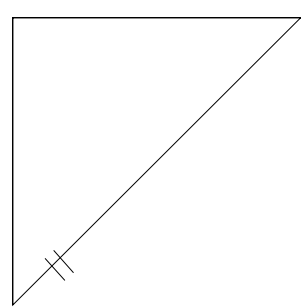
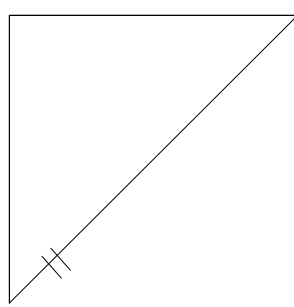
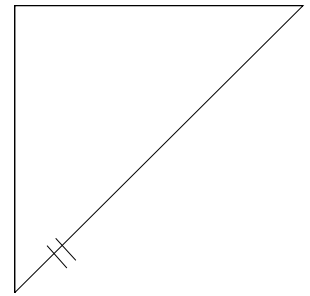
Roof Corrective Action



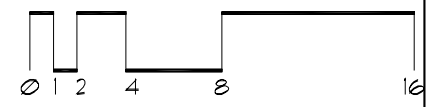
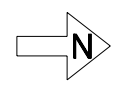
SYMBOLS KEY
|| SCUPPER



Roof Corrective Action



SYMBOLS KEY
++ SCUPPER
ⓐ DEFECT-REPAIR



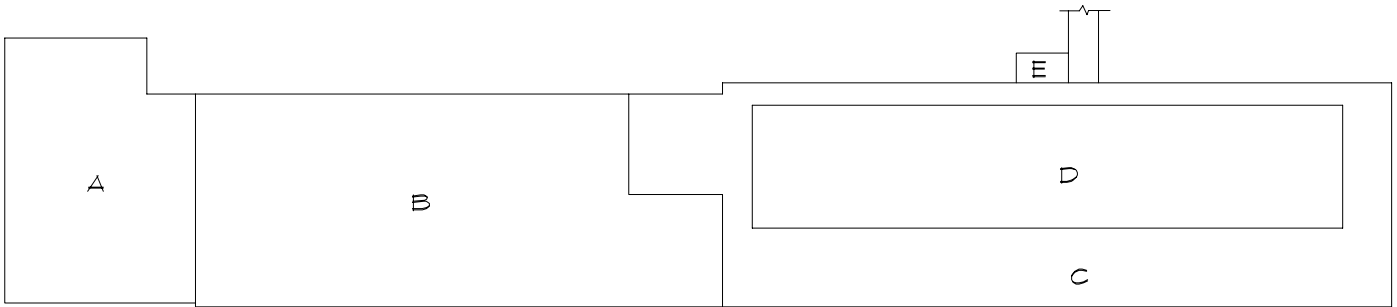
Roof ID

Building: SP374 - Veterinary Sciences - (1971 Commonwealth Ave., St. Paul)

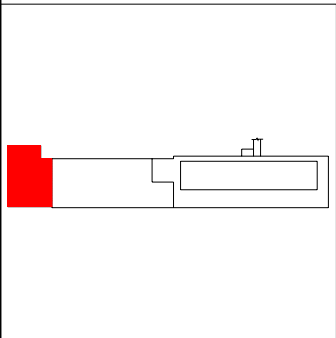
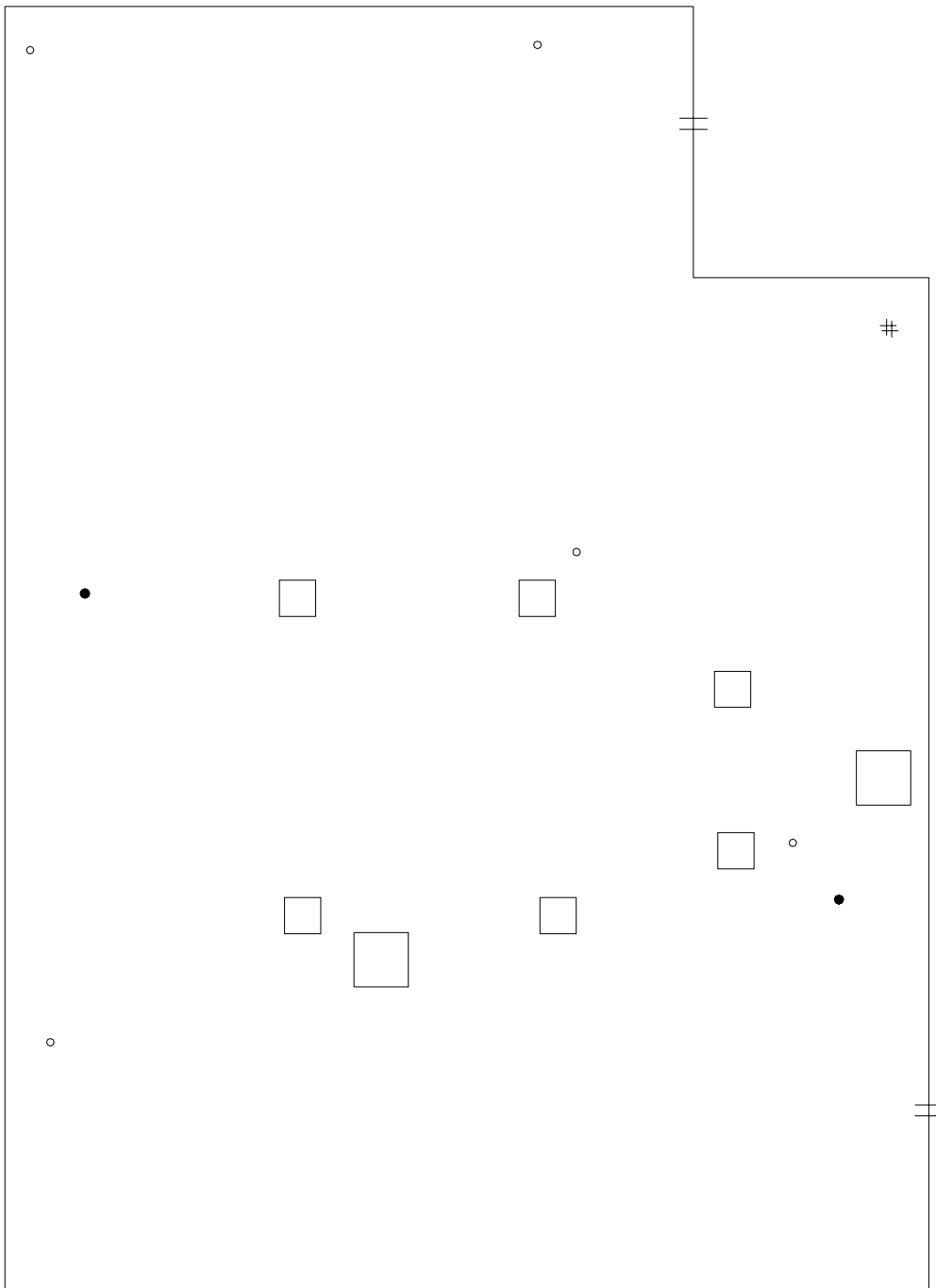
Roof Access: Elevator to 4th floor-roof access-door across from mens restroom

Total Area: 22,410 sf

A	<u>3,430</u> sf	E	<u>112</u> sf
B	<u>7,453</u> sf		
C	<u>6,201</u> sf		
D	<u>5,214</u> sf		

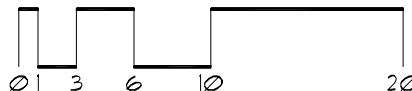


Roof Corrective Action

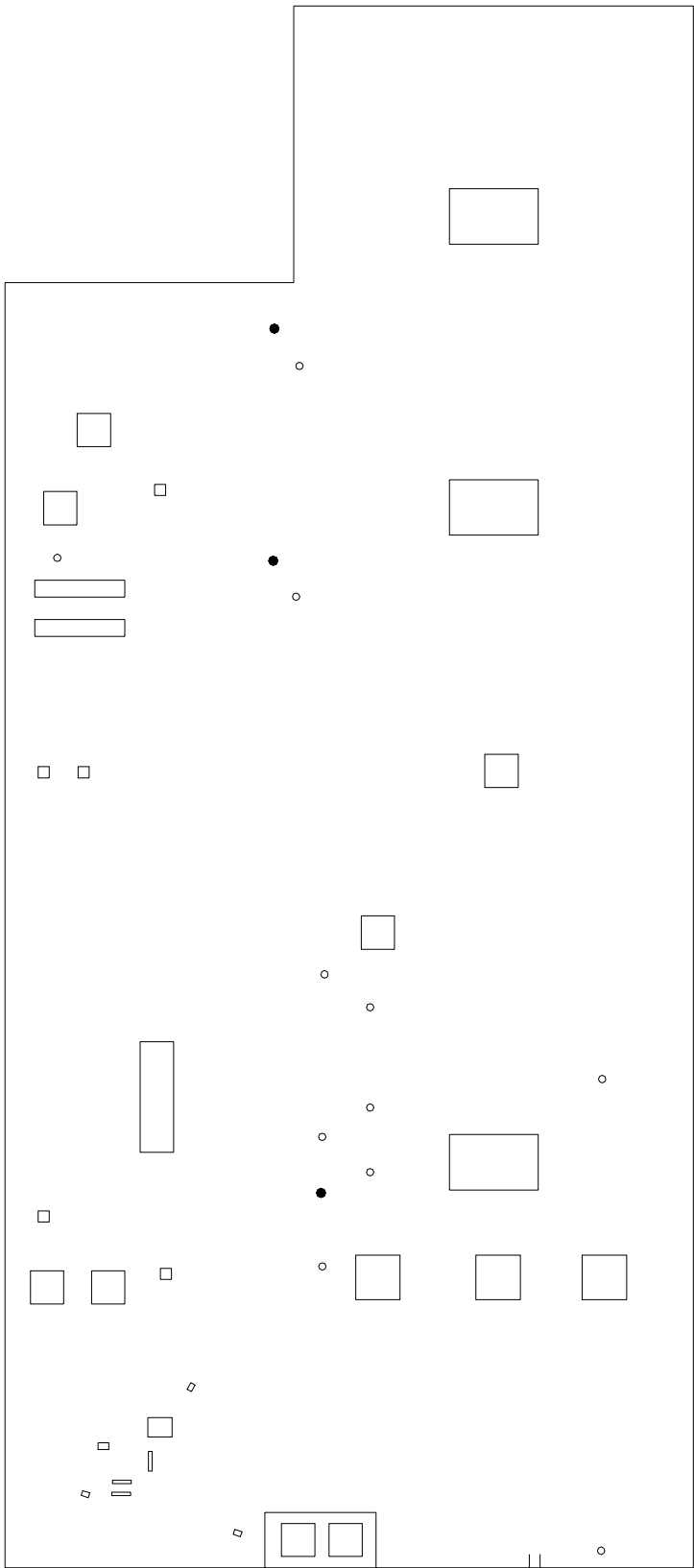


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊕ SCUPPER

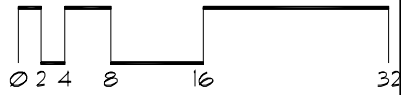
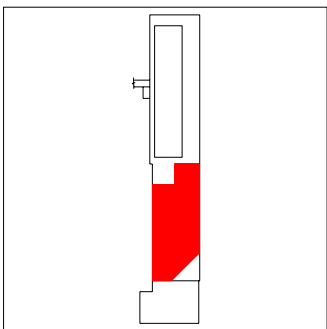


Roof Corrective Action

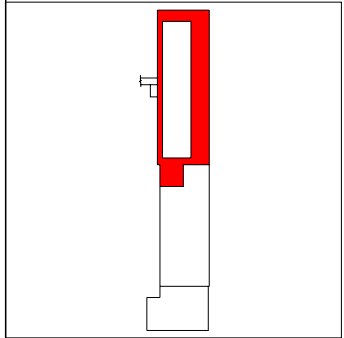
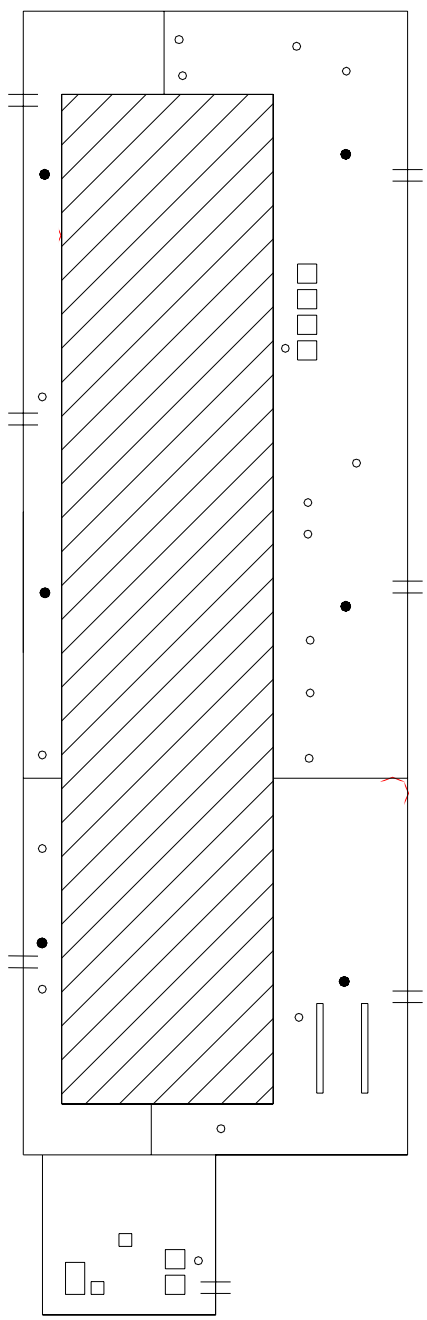


SYMBOLS KEY

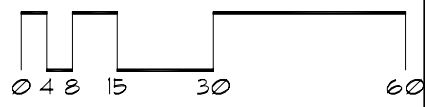
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER



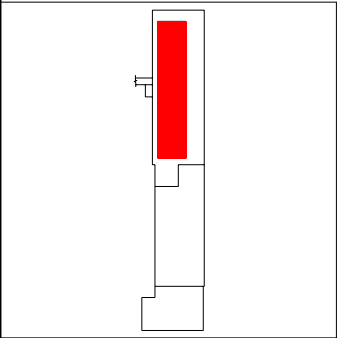
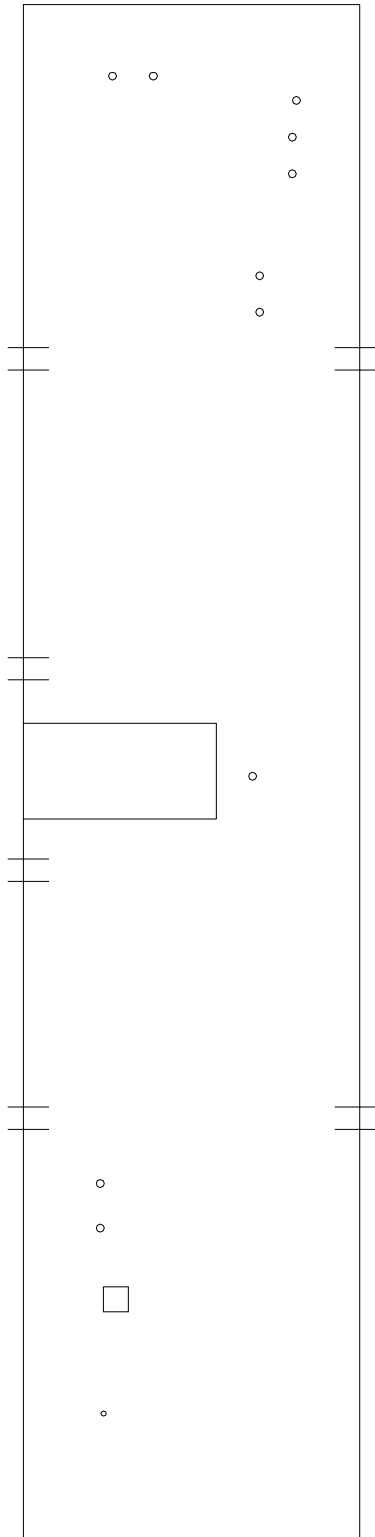
Roof Corrective Action



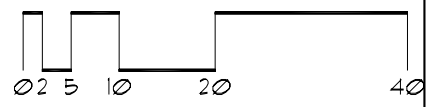
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
≡	SCUPPER
⊗	DEFECT-REPAIR



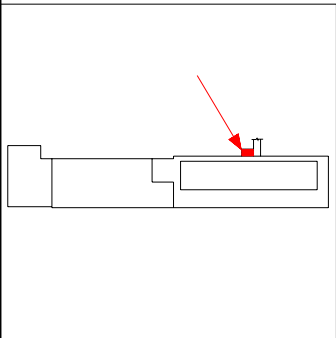
Roof Corrective Action



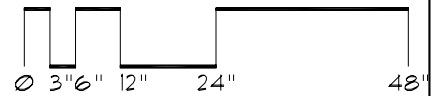
- SYMBOLS KEY**
- ROOF CURB
 - VENT STACK
 - † SCUPPER
 - ① DEFECT-NO REPAIR



Roof Corrective Action



SYMBOLS KEY
① DEFECT-REPAIR



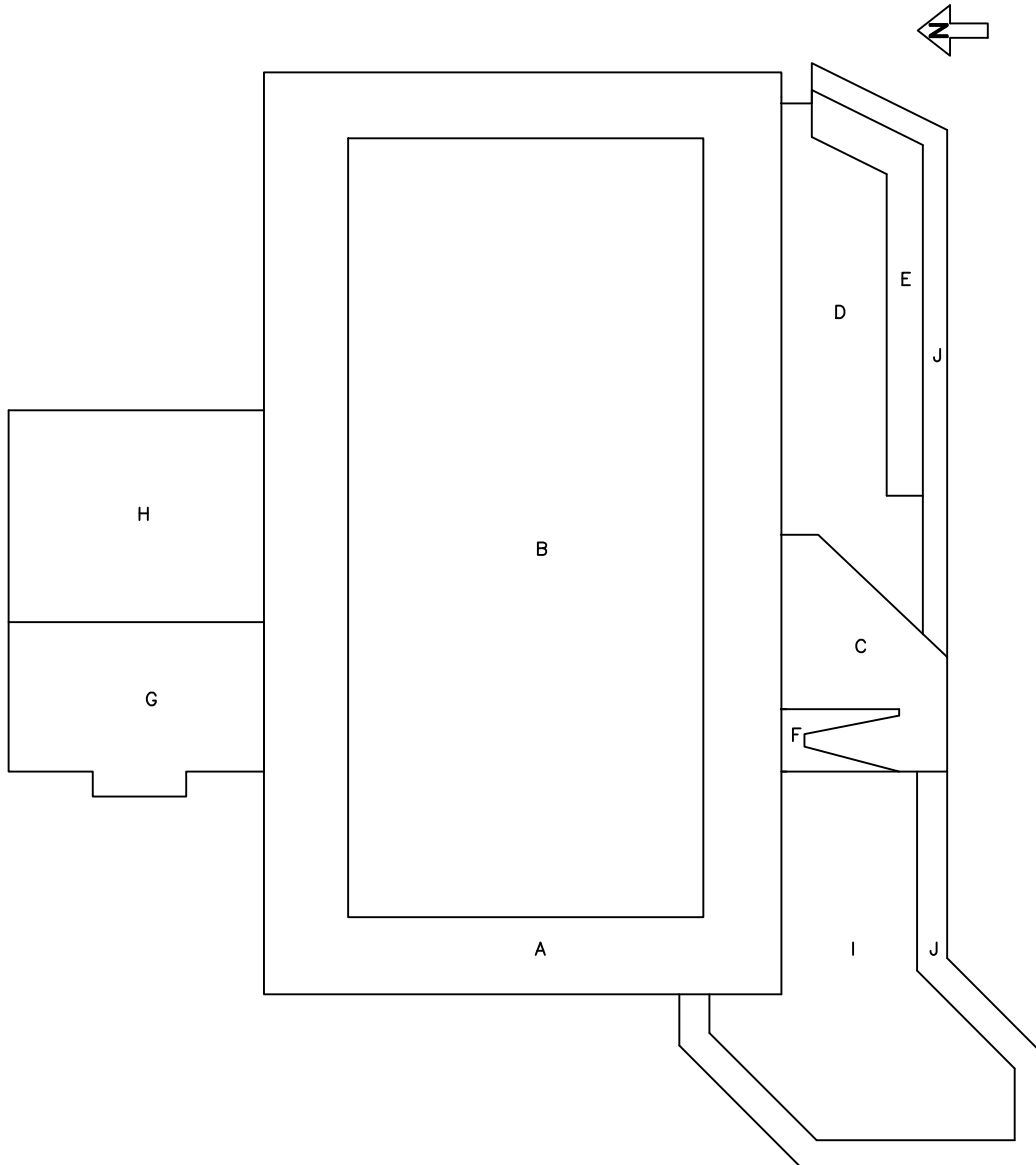
Roof ID

Building: 02.376 - Student Center - (2017 Buford Avenue)

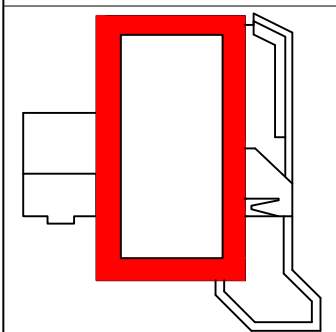
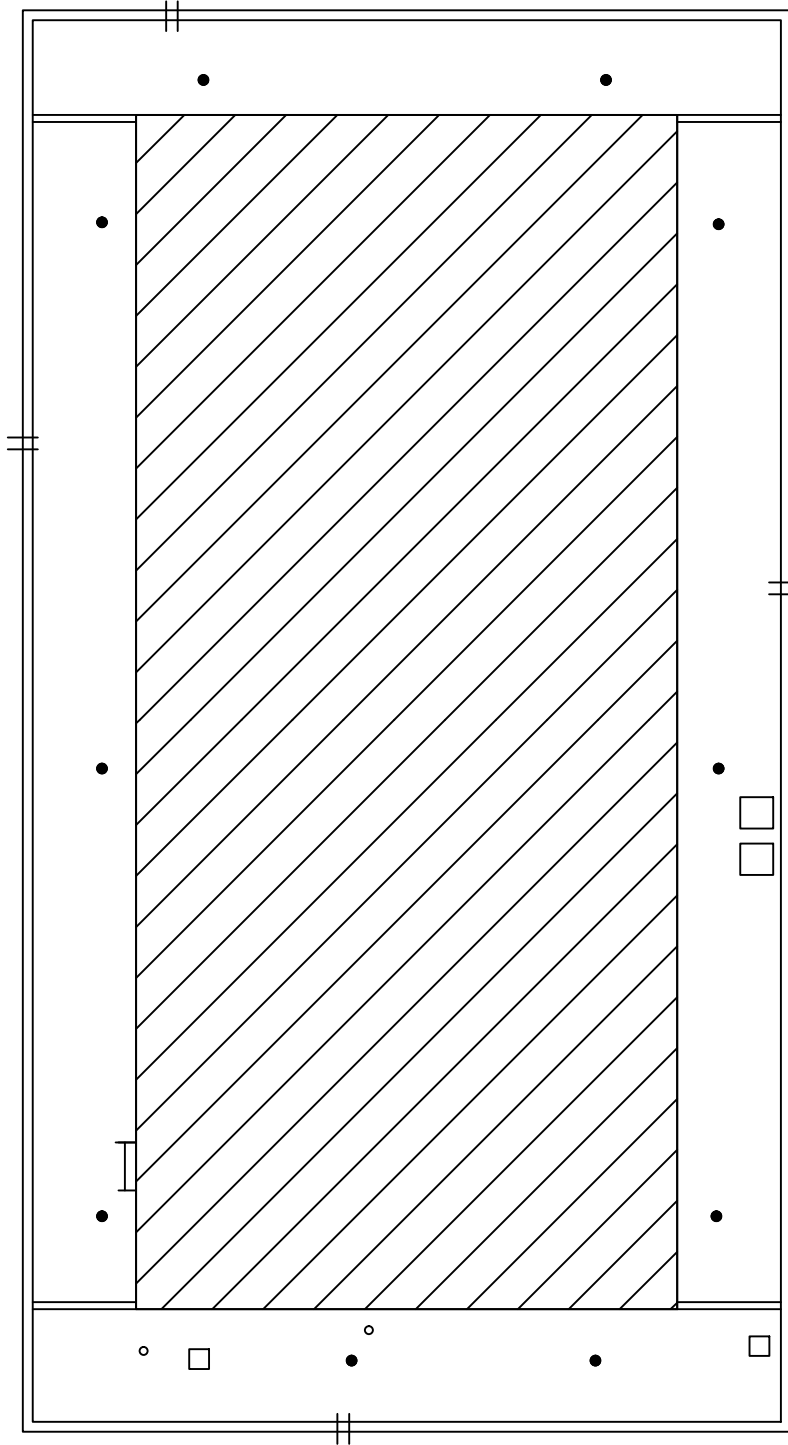
Roof Access: Stairs to Penthouse to Roof Hatch

Total SF: 18,869 sf

A:	4,466 sf	J:	1,136 sf
B:	7,125 sf		
C:	673 sf		
D:	779 sf		
E:	318 sf		
F:	106 sf		
G:	1,044 sf		
H:	1,394 sf		
I:	1,828 sf		

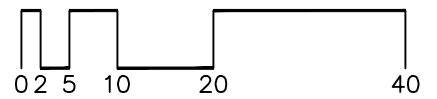


Roof Corrective Action

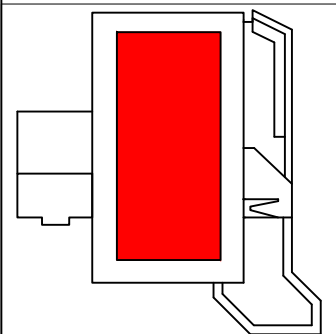
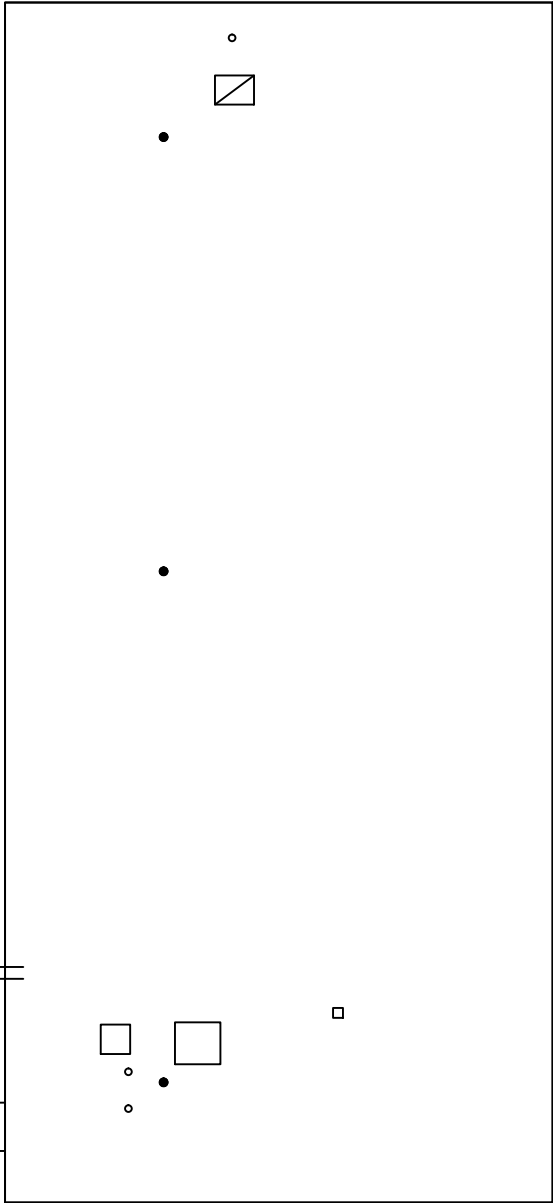


SYMBOLS KEY

- ROOF DRAIN
- ROOF CURB
- ≡ SCUPPER
- VENT

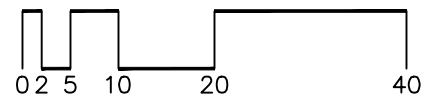


Roof Corrective Action

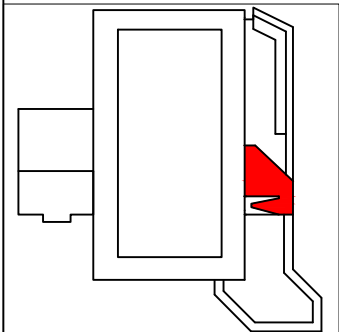
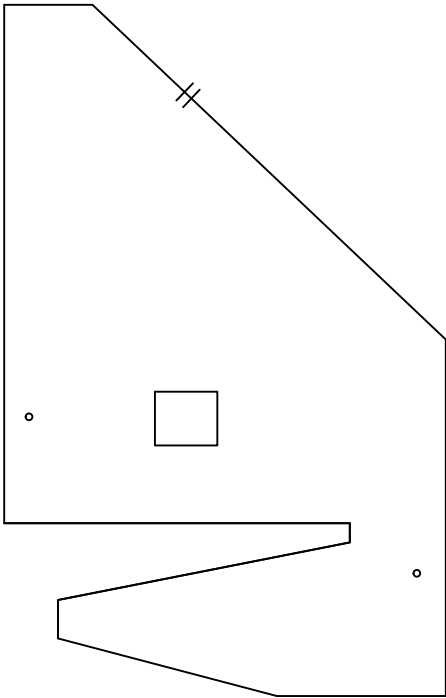


SYMBOLS KEY

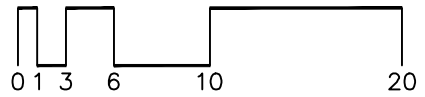
- ROOF DRAIN
- ROOF CURB
- †† SCUPPER
- VENT
- ▣ ROOF HATCH



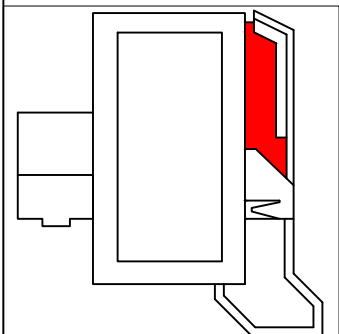
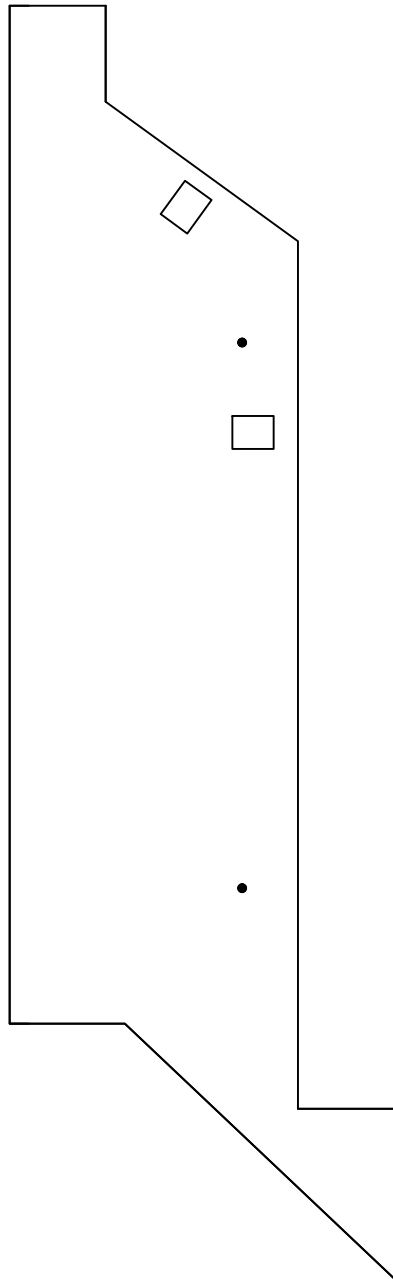
Roof Corrective Action



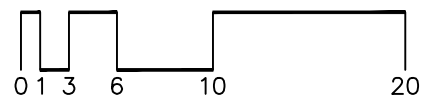
SYMBOLS KEY	
□	ROOF CURB
≡	SCUPPER
○	VENT



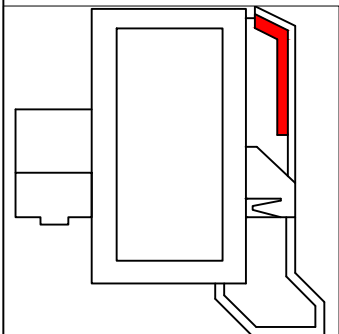
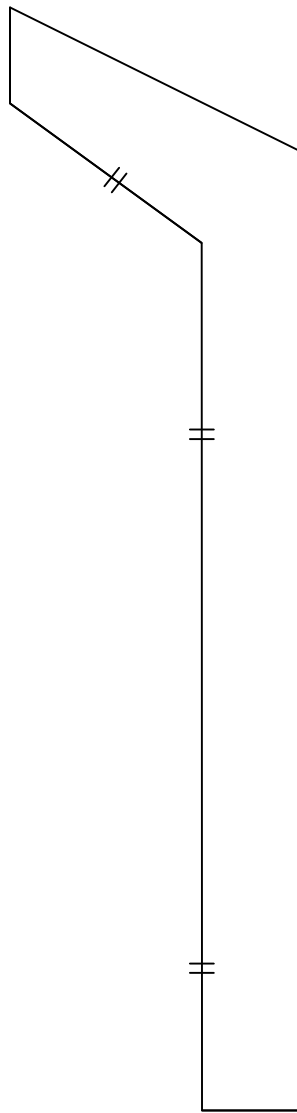
Roof Corrective Action



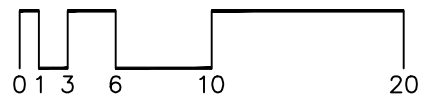
SYMBOLS KEY
● ROOF DRAIN
□ ROOF CURB



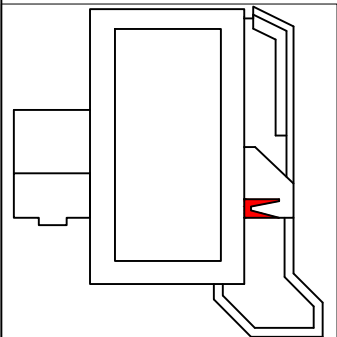
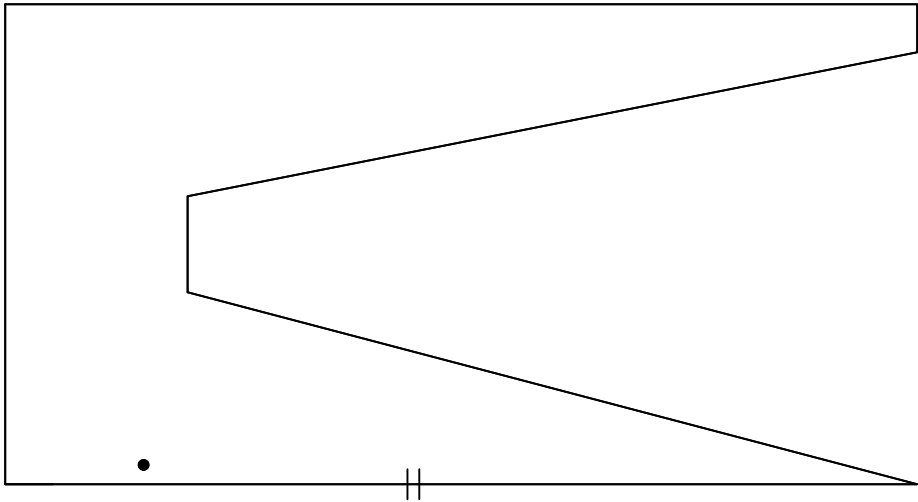
Roof Corrective Action



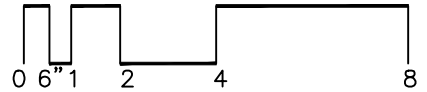
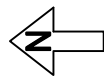
SYMBOLS KEY
|| SCUPPER



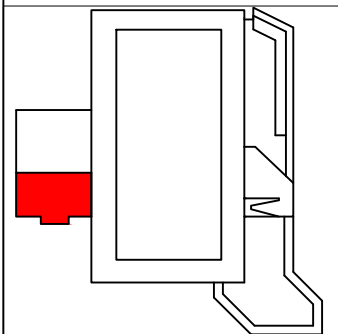
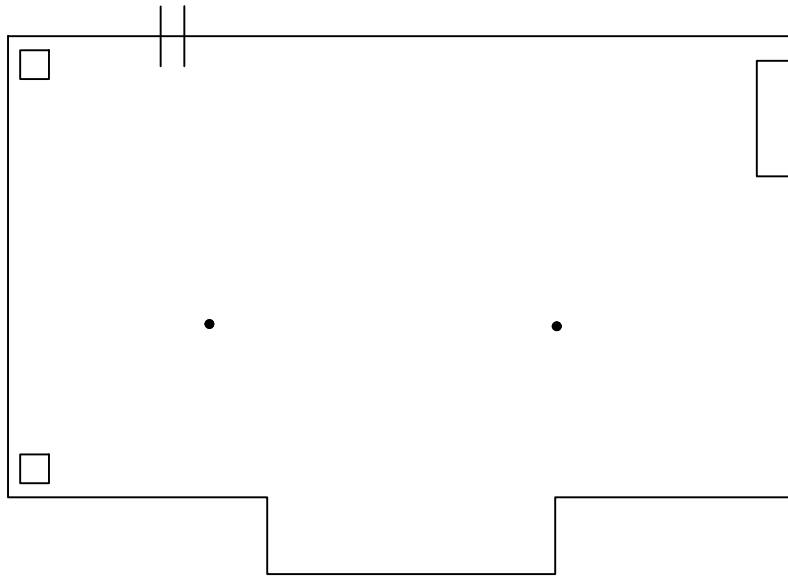
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
⦶ SCUPPER

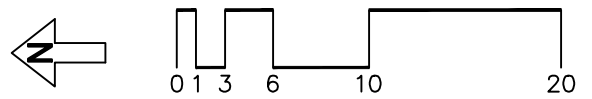


Roof Corrective Action

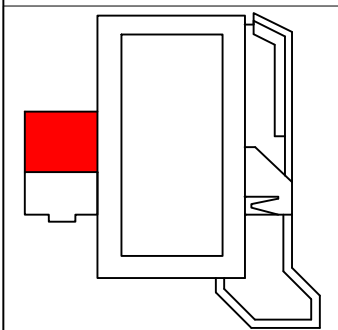
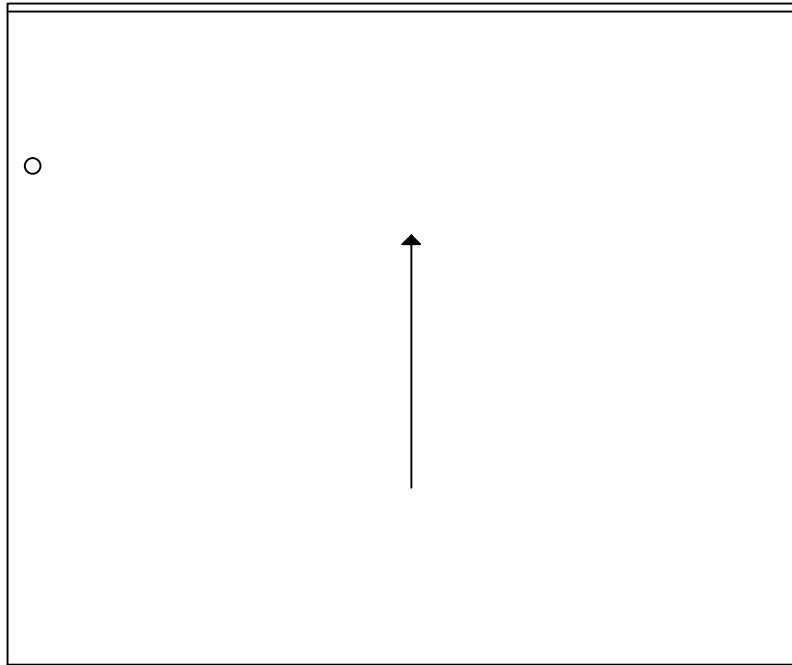


SYMBOLS KEY

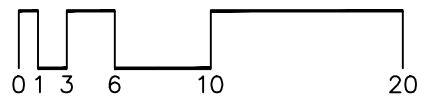
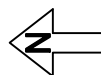
- ROOF DRAIN
- ROOF CURB
- || SCUPPER



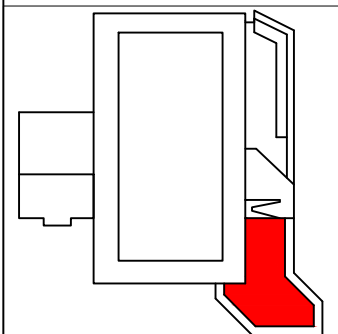
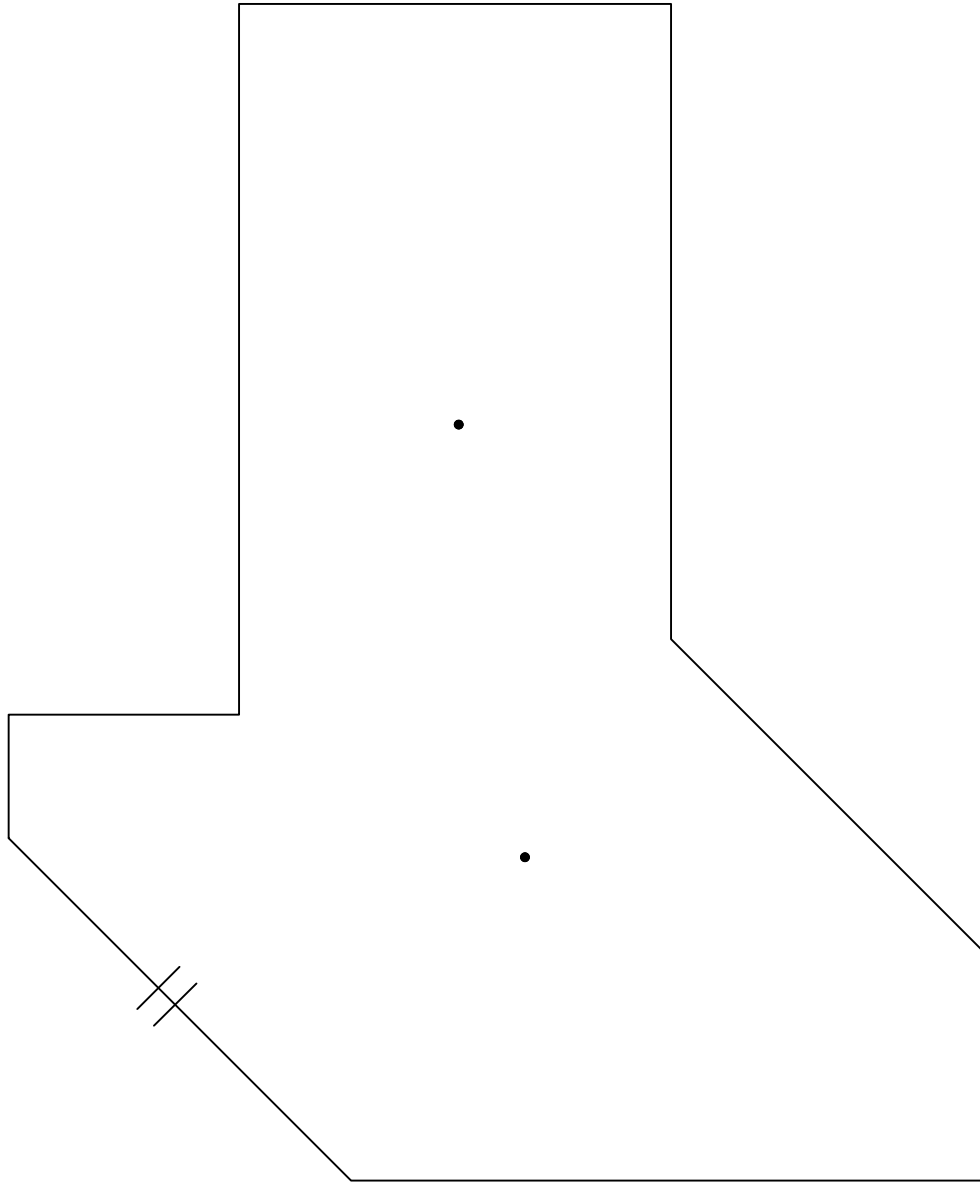
Roof Corrective Action



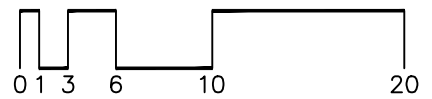
SYMBOLS KEY
→ SLOPE DIRECTION
○ VENT



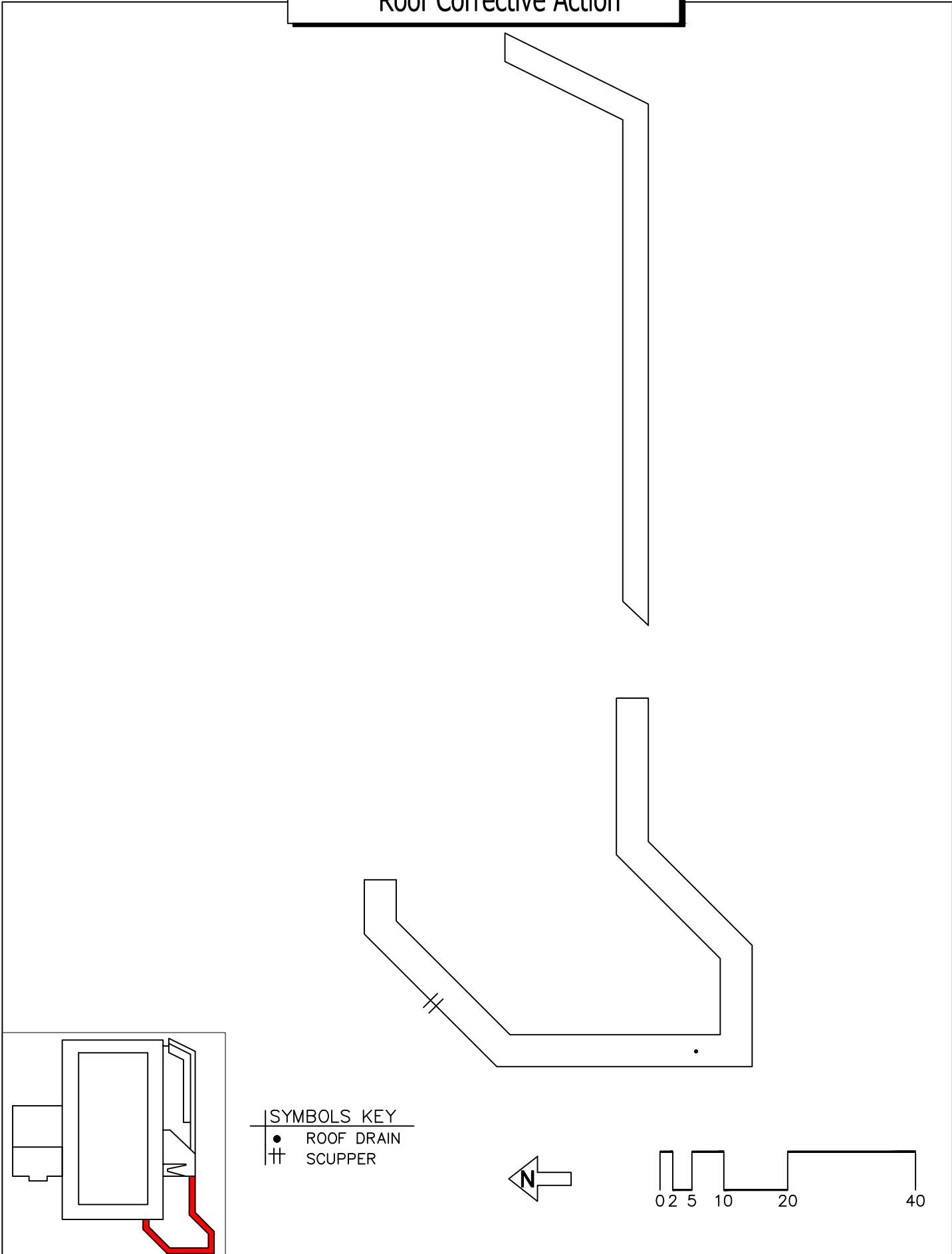
Roof Corrective Action



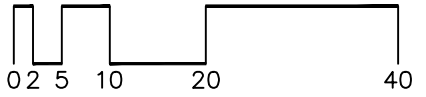
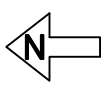
SYMBOLS KEY
→ SLOPE DIRECTION
○ VENT



Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
≡ SCUPPER



Roof ID

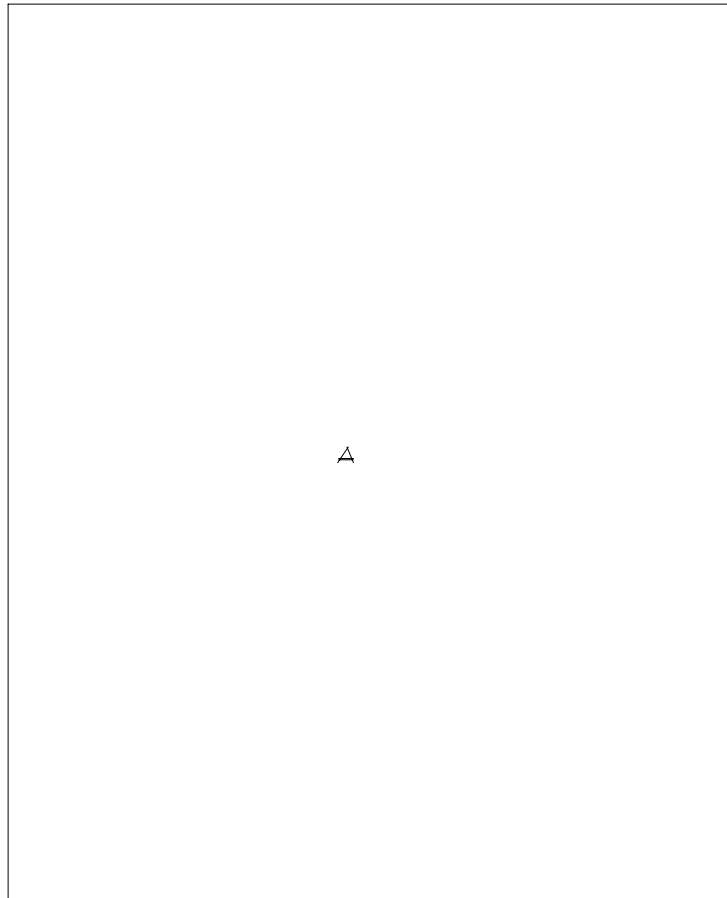
Building: SP378 - Pump House #3 - (1897 Commonwealth Ave, St. Paul)

Roof Access: Ladder

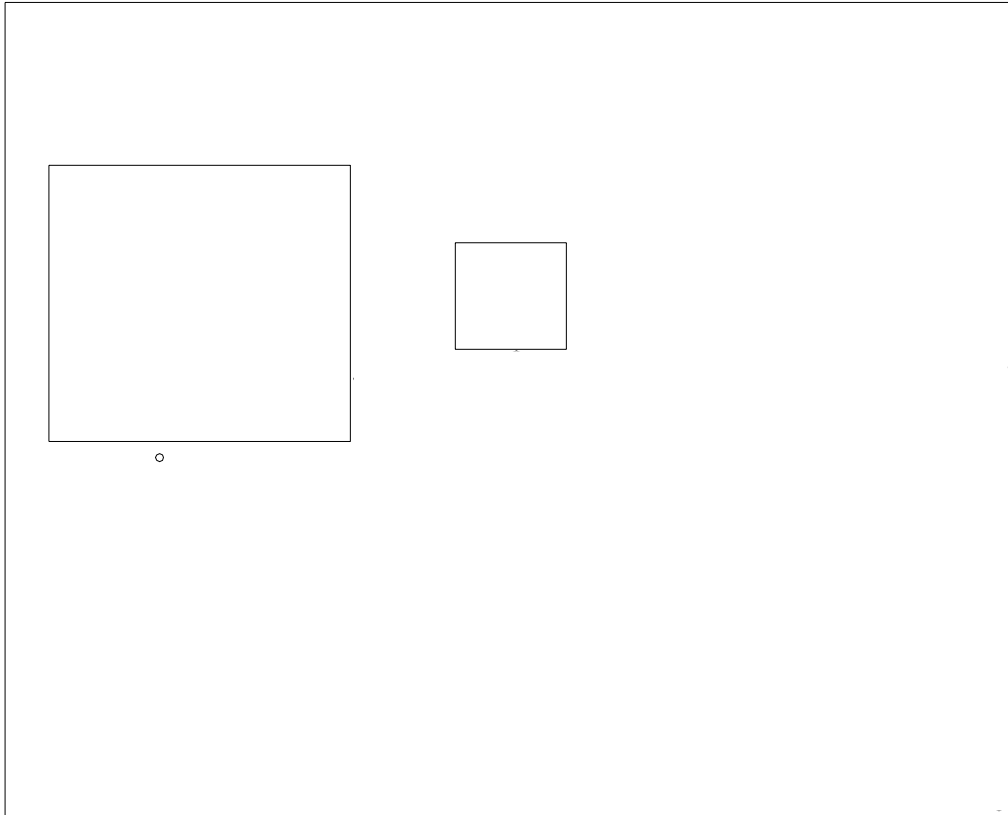
Total Area: 357 sf

A 357 sf

SYMBOLS KEY

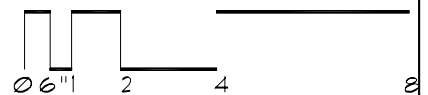


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- VENT STACK
- ⓪ DEFECT-NO REPAIR



Roof ID

Building: SP379 - Facilities Management - (1936 Commonwealth Ave St Paul, Mn)

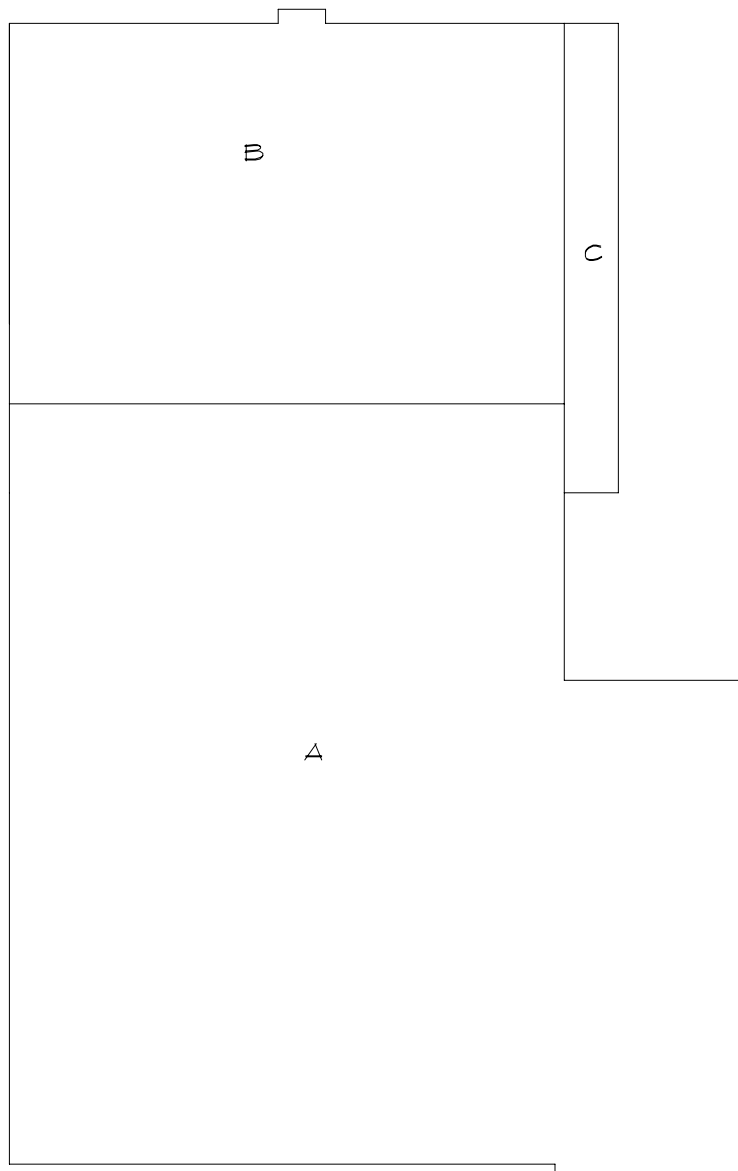
Roof Access: External ladder south side area A (E1, E2 key unlock ladder)

Total Area: 34,054 sf

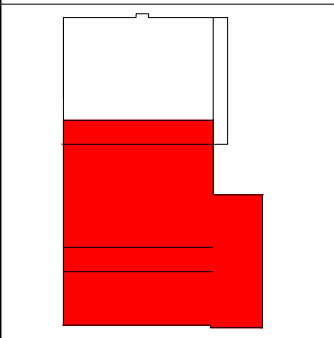
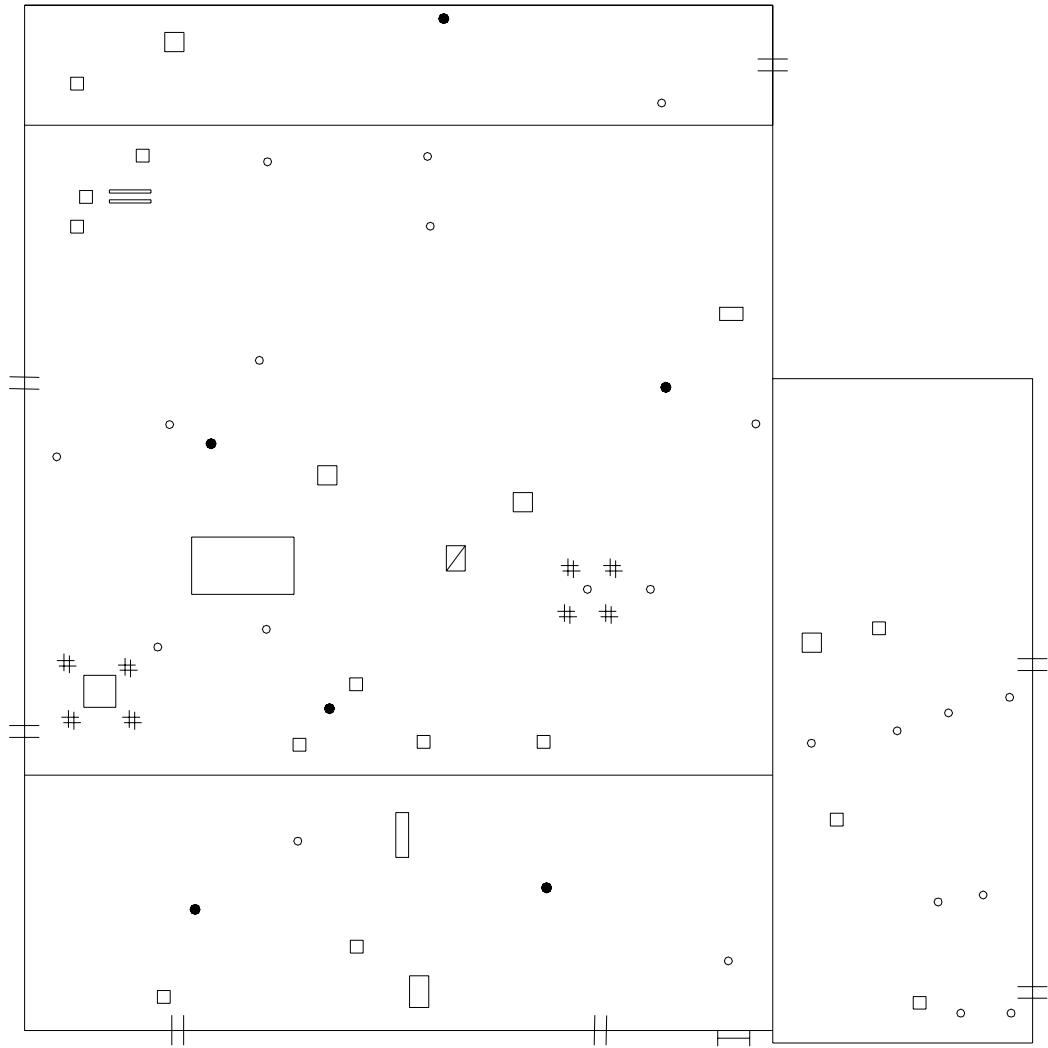
A **22,999** sf

B **9,831** sf

C **1,224** sf

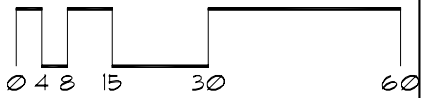


Roof Corrective Action

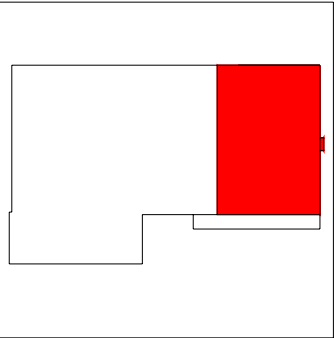
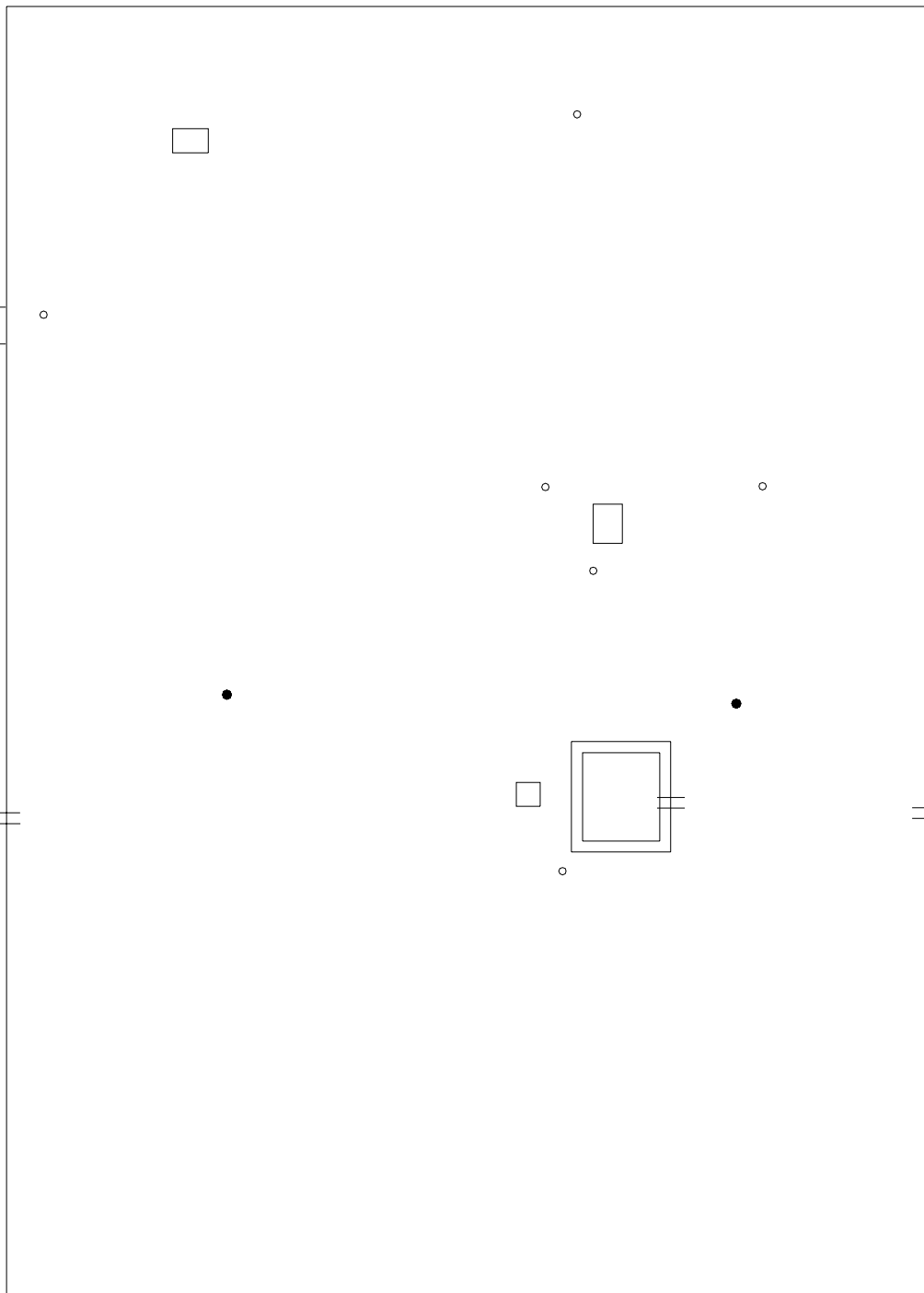


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- # PITCH PAN
- ▣ ROOF HATCH
- I LADDER
- Ⓢ DEFECT-REPAIR



Roof Corrective Action

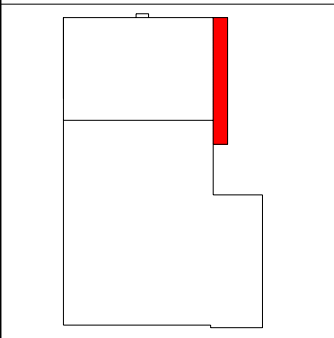
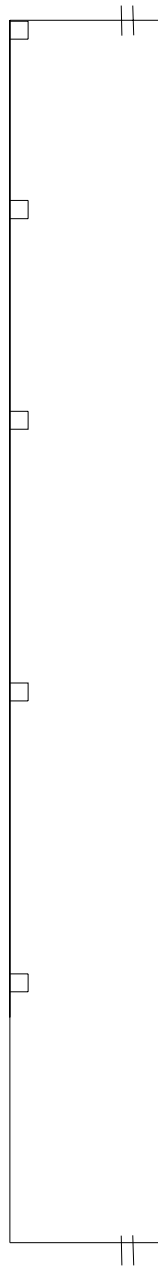


SYMBOLS KEY

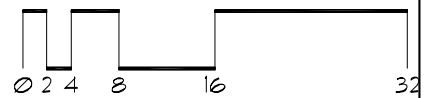
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- I LADDER
- ⊖ DEFECT-REPAIR
- ⊕ DEFECT-NO REPAIR



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
Ⓢ DEFECT-REPAIR



Roof ID

Building: SP381 - Food Science and Nutrition - (1334 Eckles Ave St, Paul)

Roof Access: Enter door at area E, up stairs, down hallway, door on right side

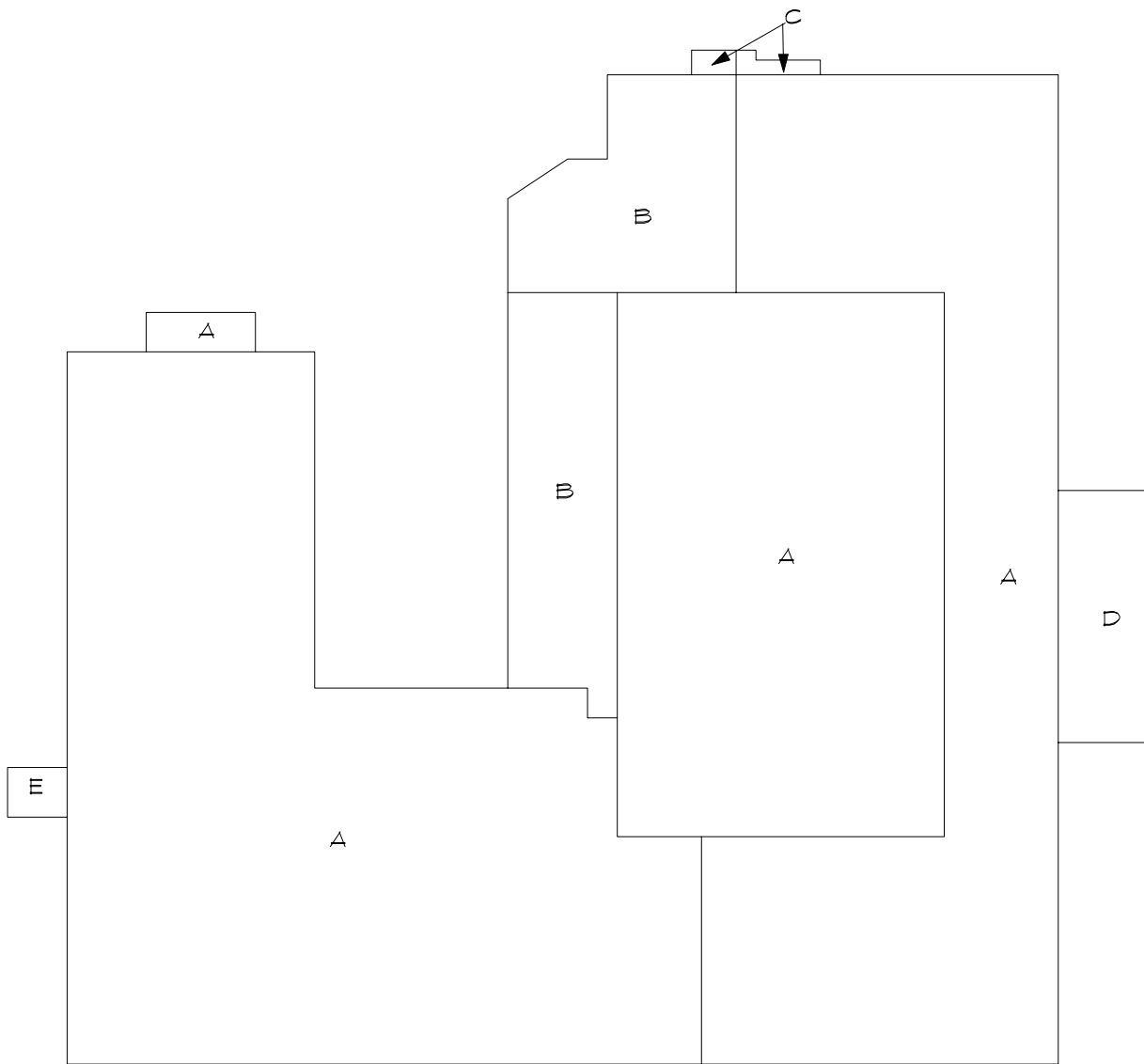
Total Area: 35,251 sf

A 30,823 sf **E** 120 sf

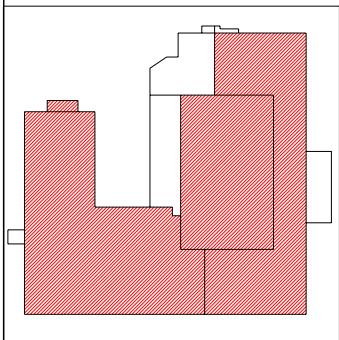
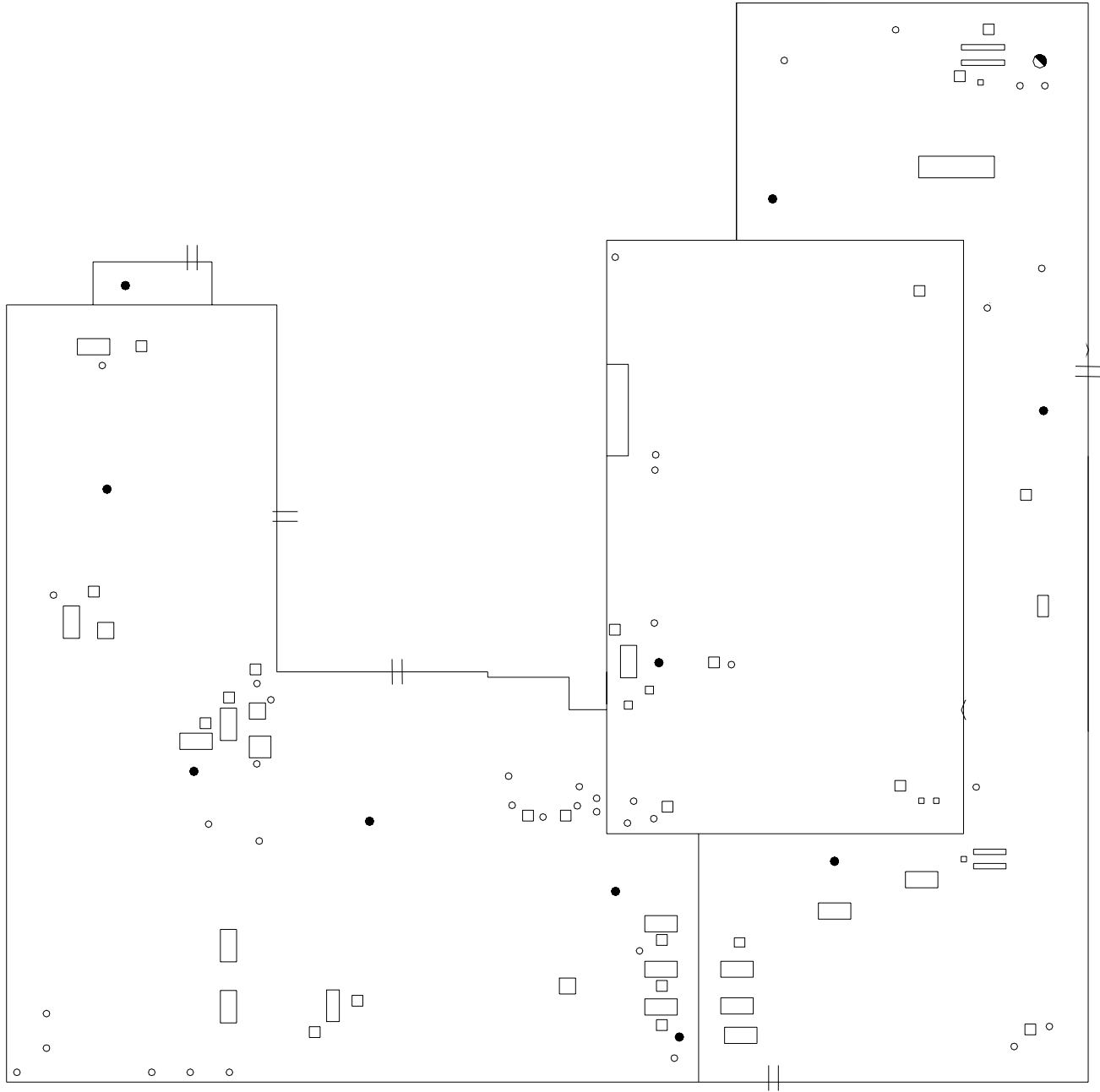
B 3,311 sf

C 79 sf

D 918 sf

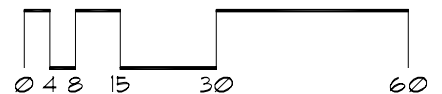


Roof Corrective Action

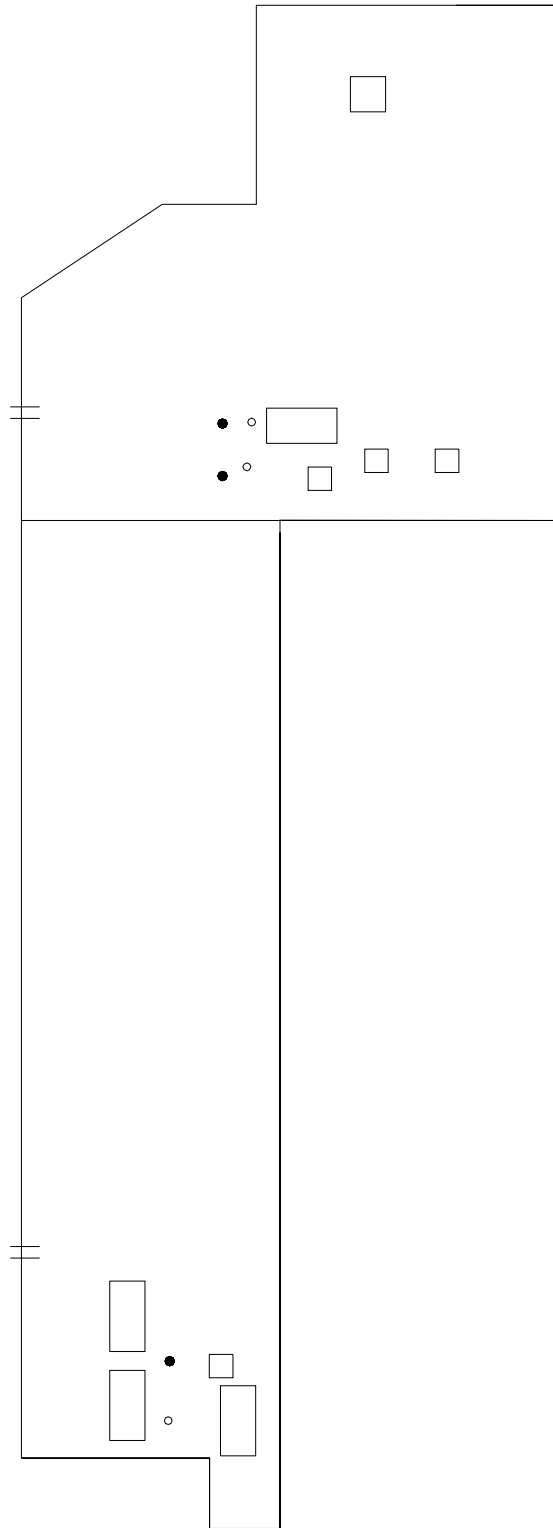


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- ⊖ DEFECT-NO REPAIR
- ⊕ DEFECT-REPAIR
- ⊙ DEFECT-NO REPAIR
- ⦿ HEAT STACK

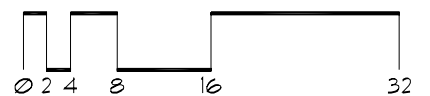
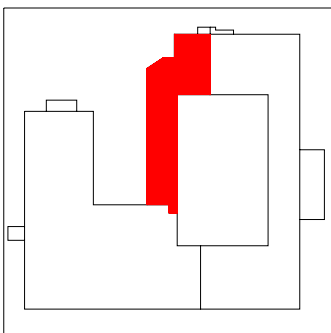


Roof Corrective Action

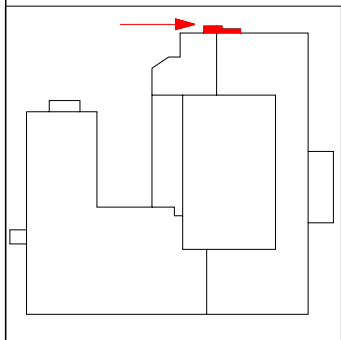
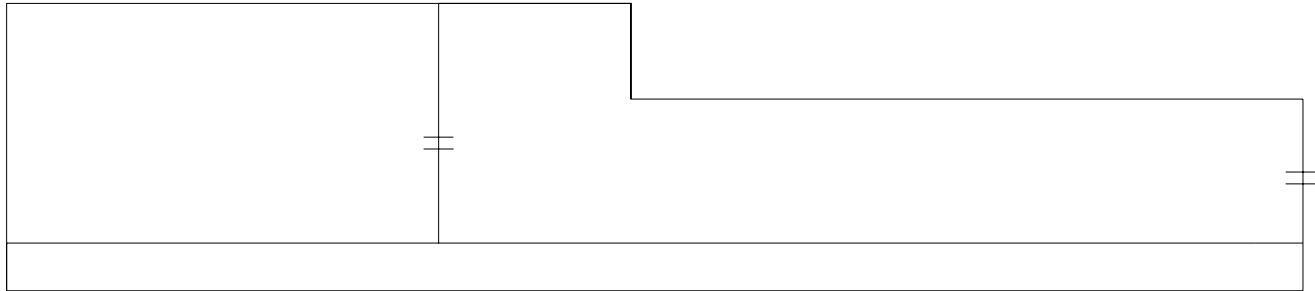


SYMBOLS KEY

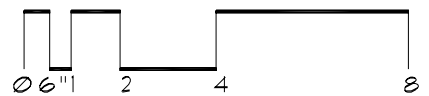
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- † SCUPPER
- ① DEFECT-NO REPAIR



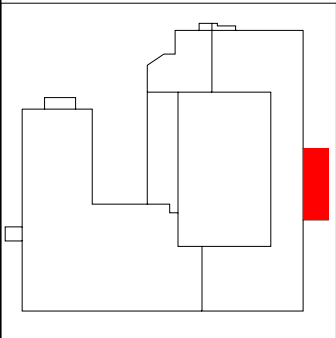
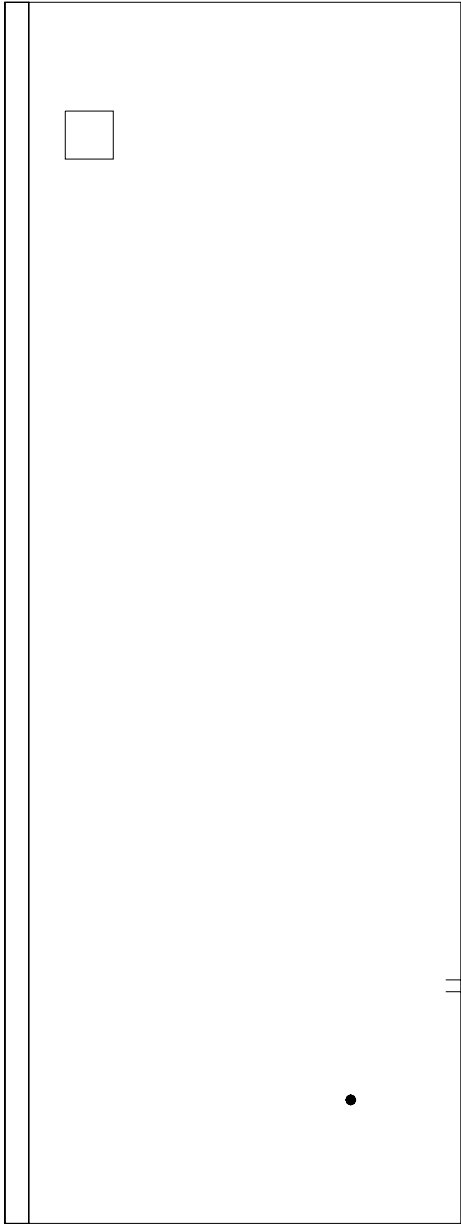
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER

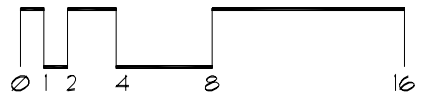


Roof Corrective Action

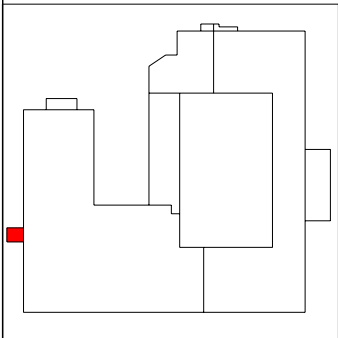
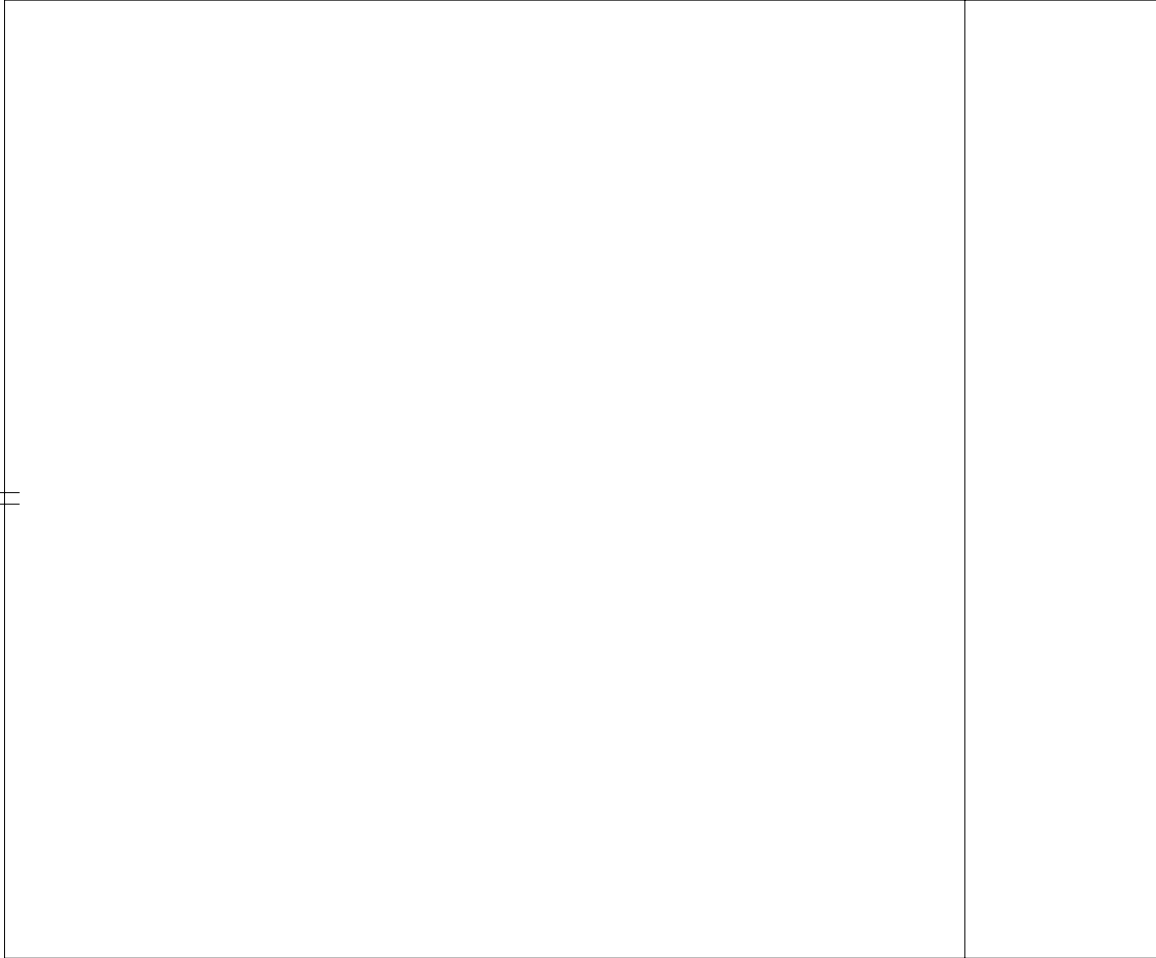


SYMBOLS KEY

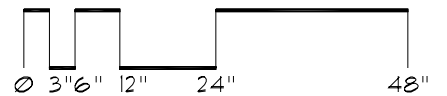
- ROOF CURB
- ROOF DRAIN
- ≡ SCUPPER
- ⊖ DEFECT-NO REPAIR



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER



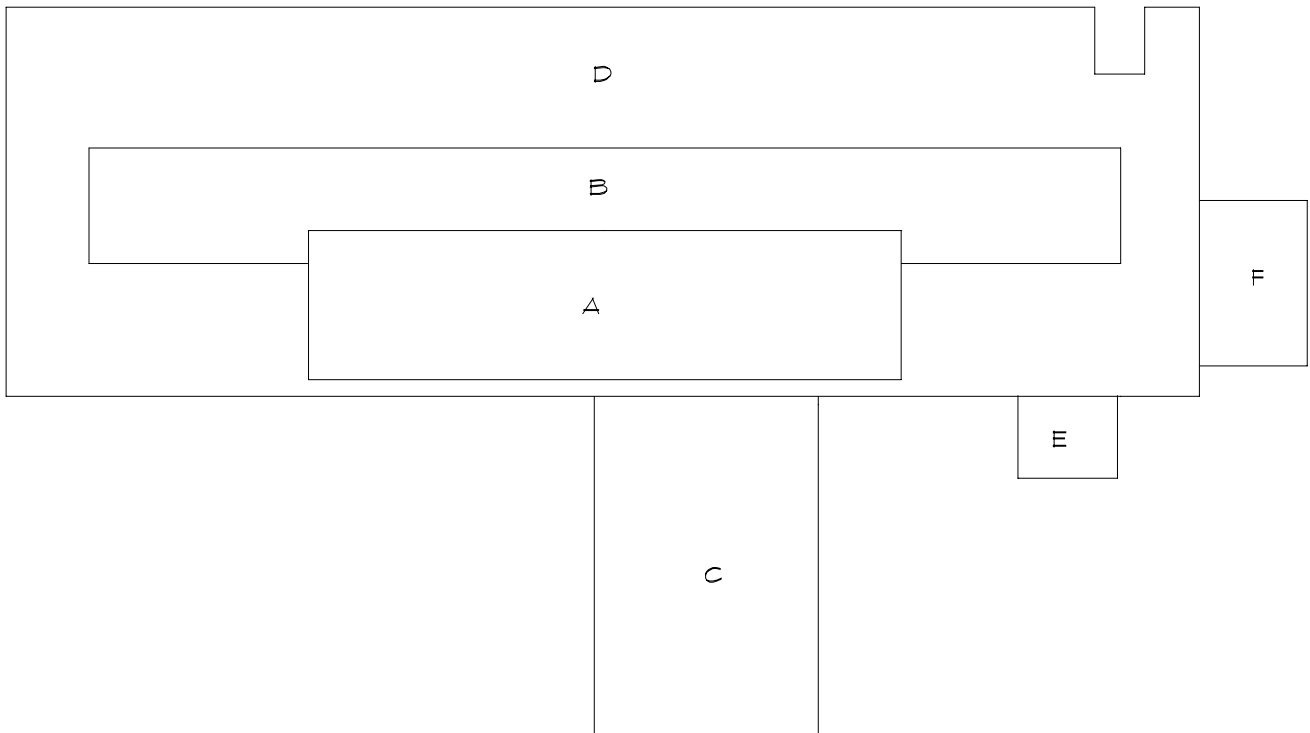
Roof ID

Building: SP382 - Soil Science - (1529 Gortner Ave St Paul, Mn)

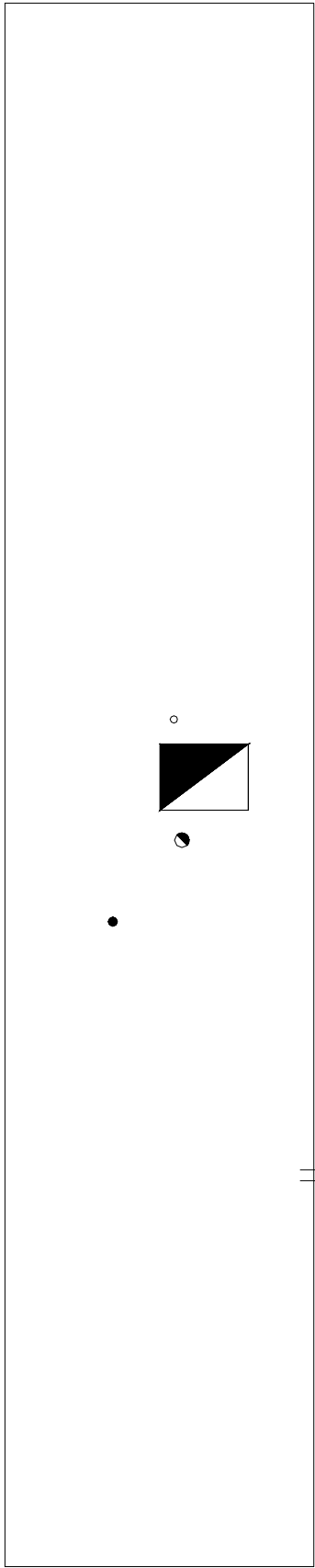
Roof Access: Across from elevator on 5th floor

Total Area: 9,287 sf

A	<u>994</u> sf	E	<u>1,200</u> sf
B	<u>1,452</u> sf	F	<u>260</u> sf
C	<u>1,107</u> sf		
D	<u>4,274</u> sf		

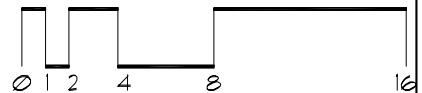
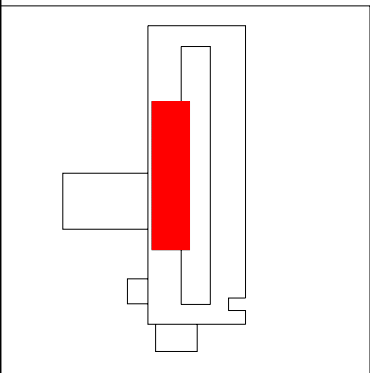


Roof Corrective Action

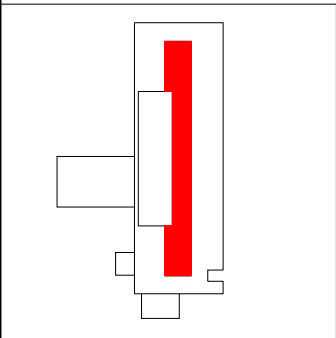
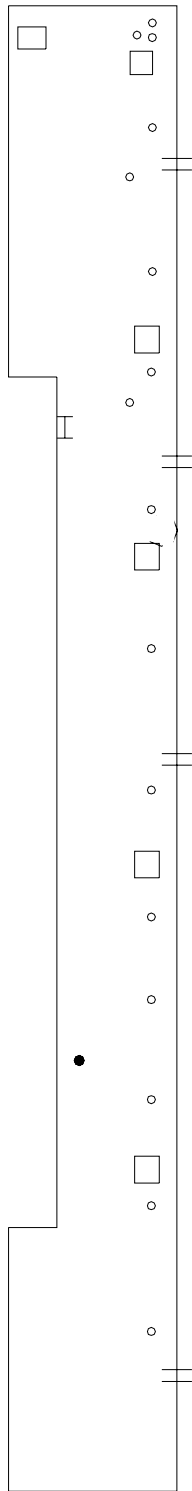


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- ◼ CHIMNEY
- HEAT STACK
- † SCUPPER
- ⊖ DEFECT-REPAIR
- ⊕ DEFECT-NO REPAIR

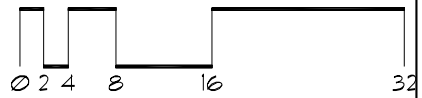


Roof Corrective Action

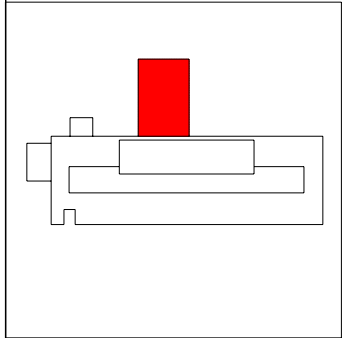
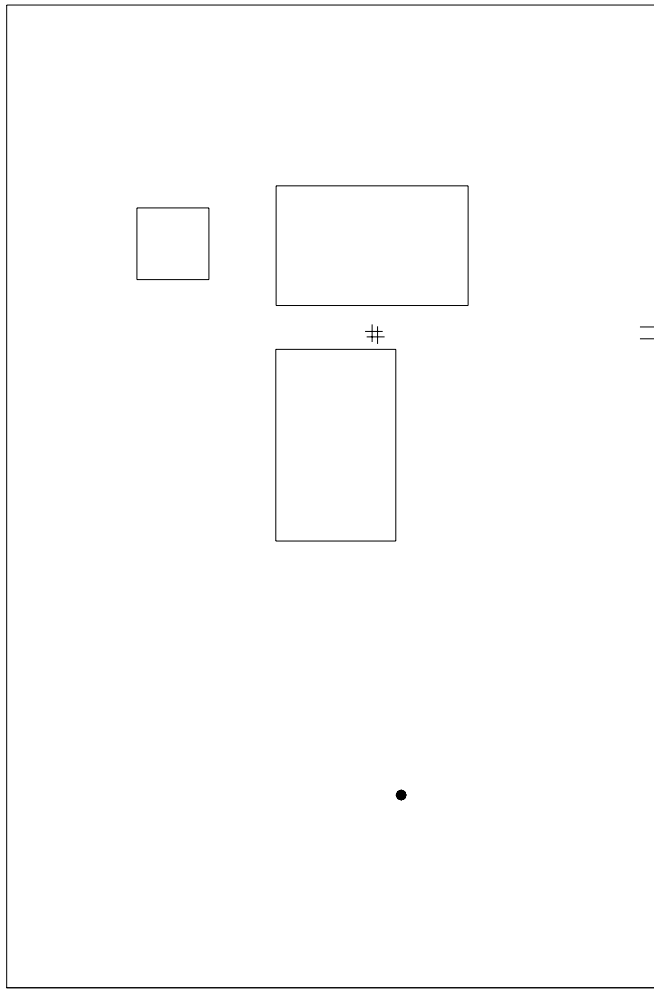


SYMBOLS KEY

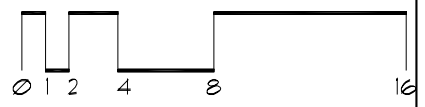
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
⊖	DEFECT-NO REPAIR
≡	SCUPPER



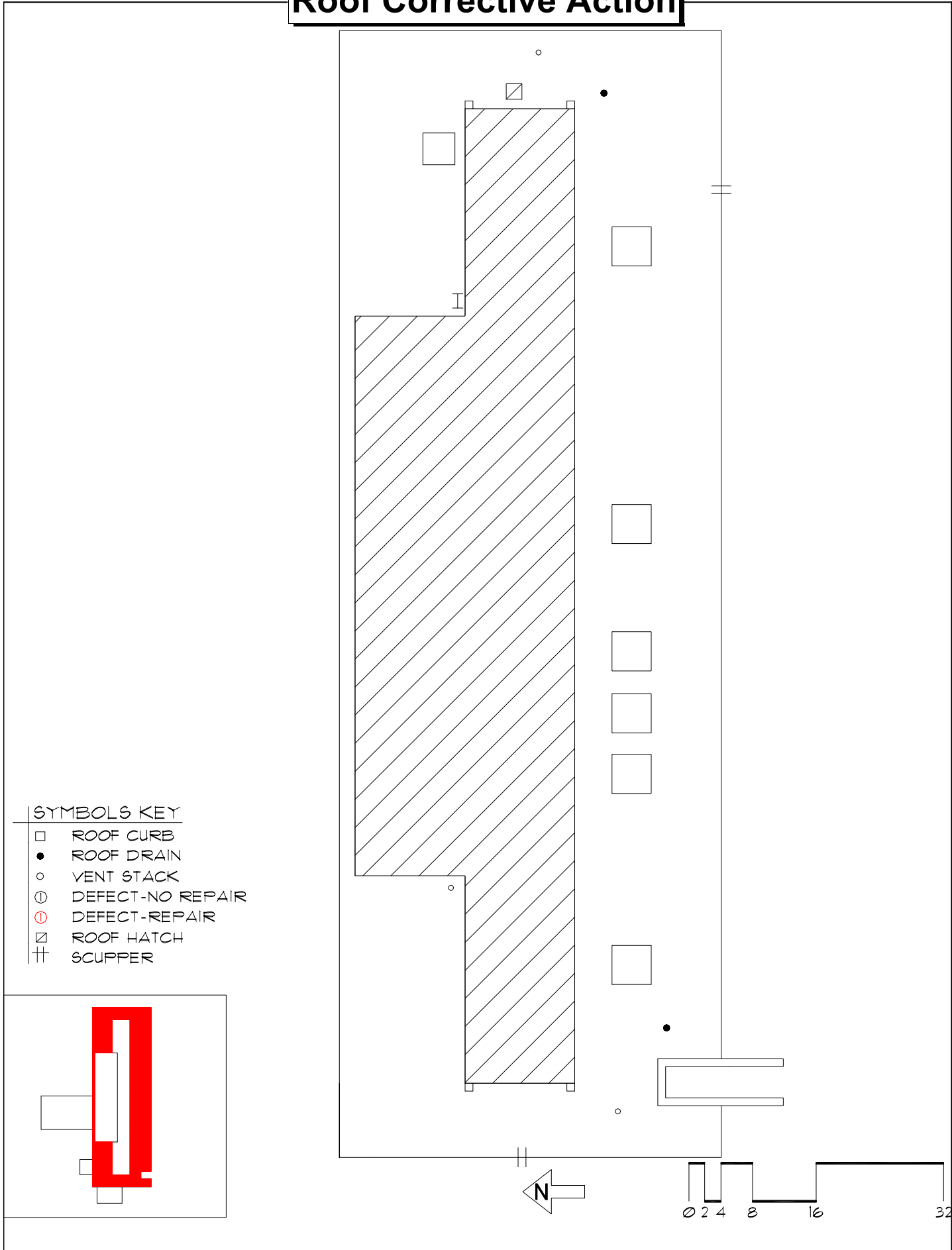
Roof Corrective Action



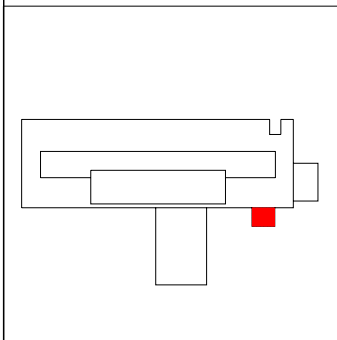
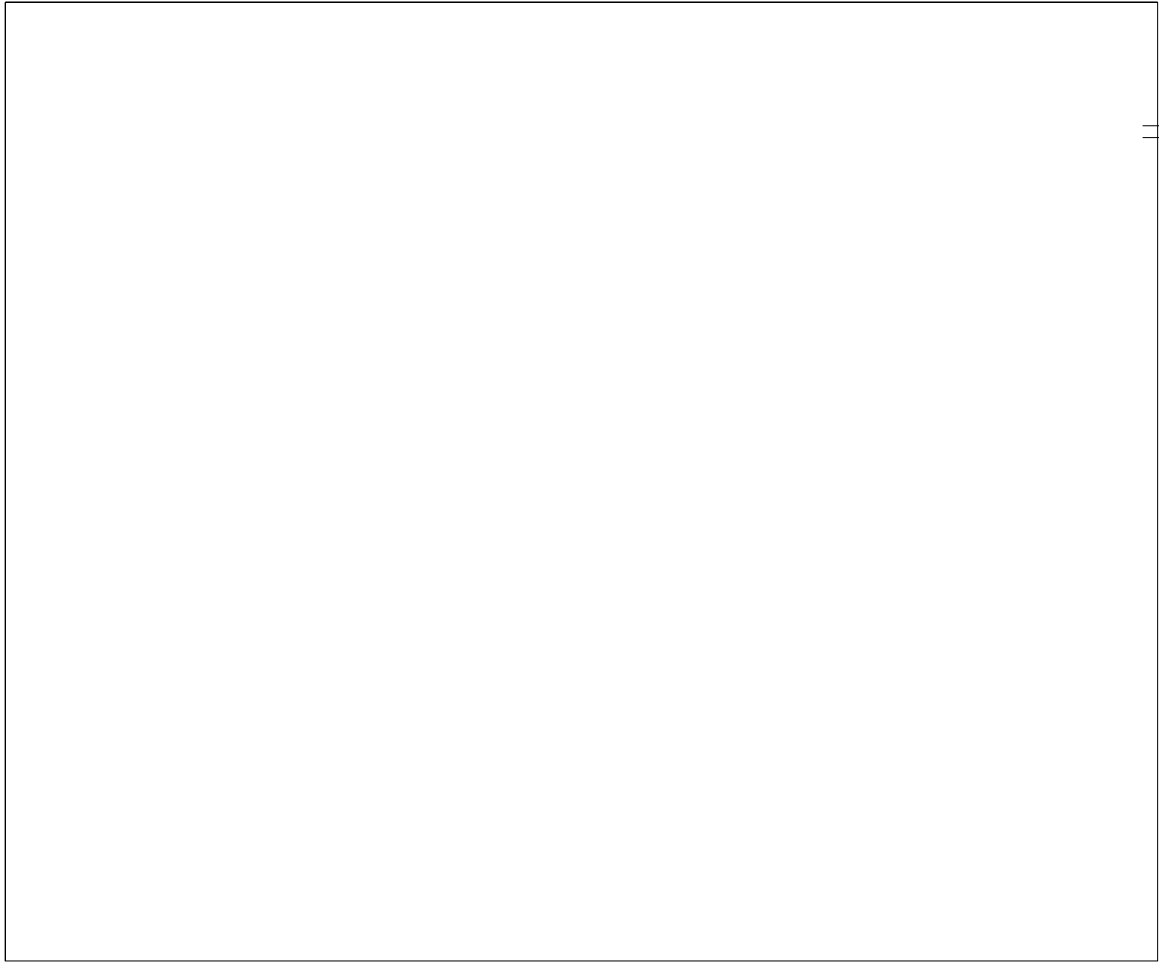
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - Ⓢ DEFECT-REPAIR
 - # PITCH PAN



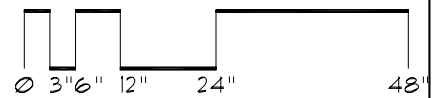
Roof Corrective Action



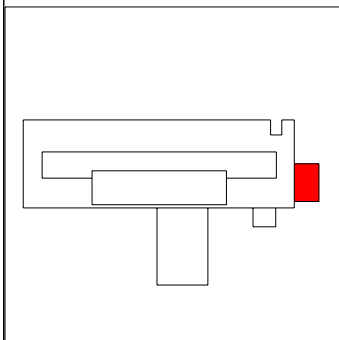
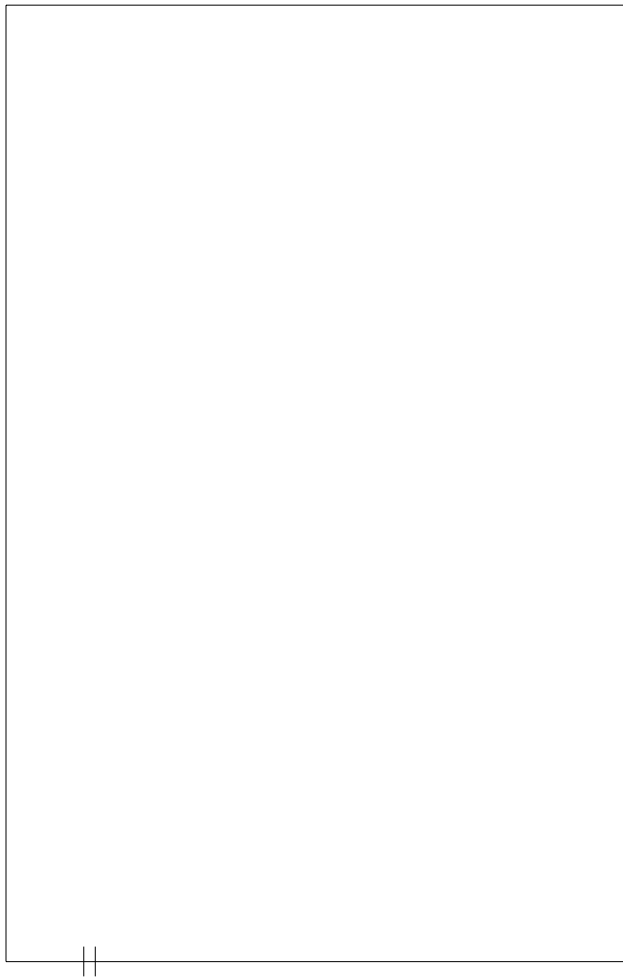
Roof Corrective Action



- SYMBOLS KEY
- ⊖ DEFECT-NO REPAIR
 - ⊕ SCUPPER
 - Ⓢ DEFECT-REPAIR

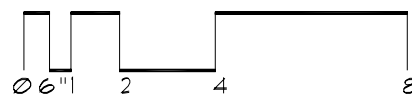


Roof Corrective Action



SYMBOLS KEY

- ⊖ DEFECT-NO REPAIR
- ⊕ SCUPPER
- Ⓢ DEFECT-REPAIR

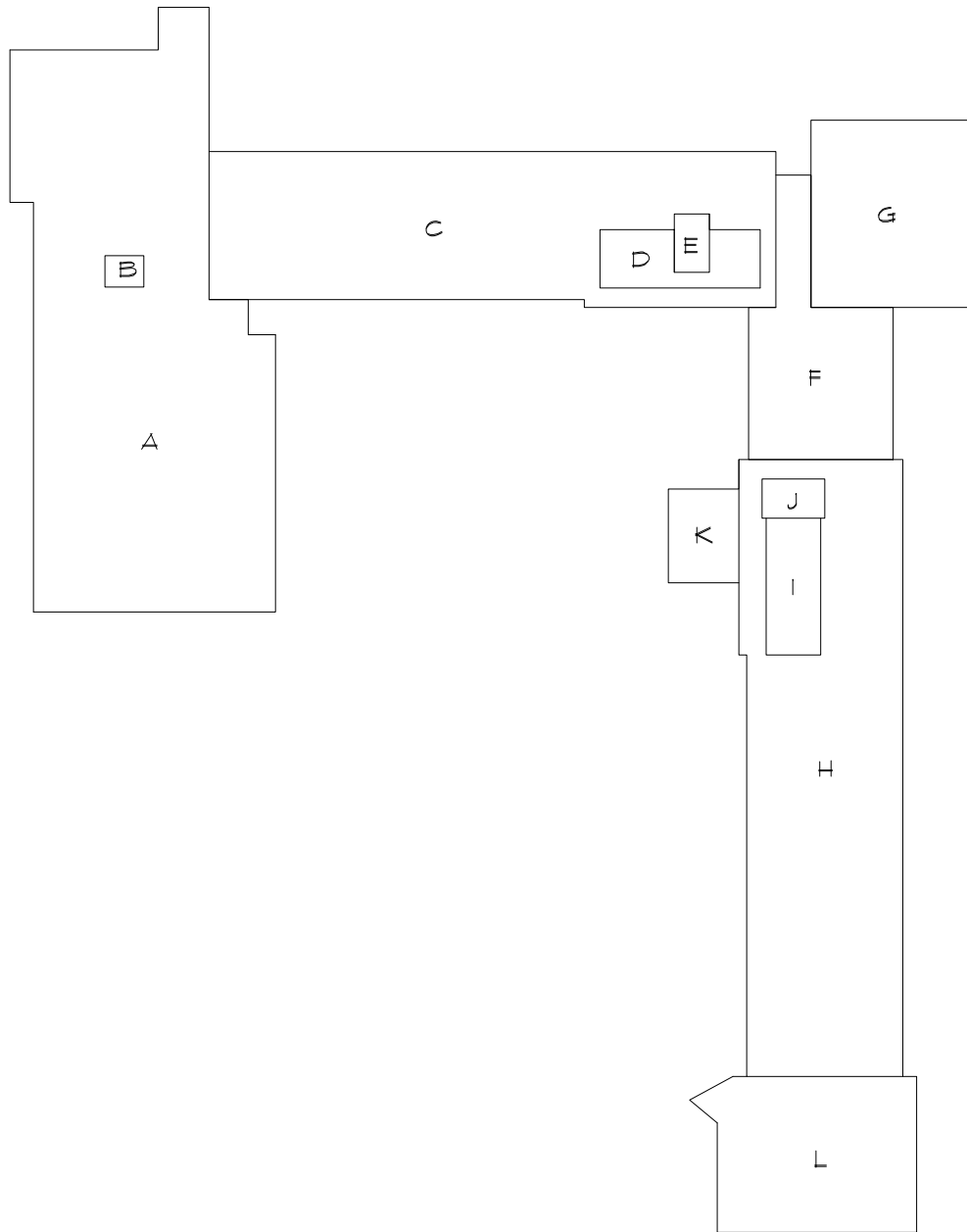


Roof ID

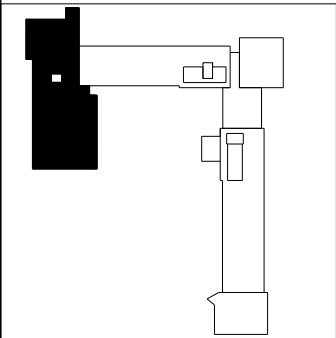
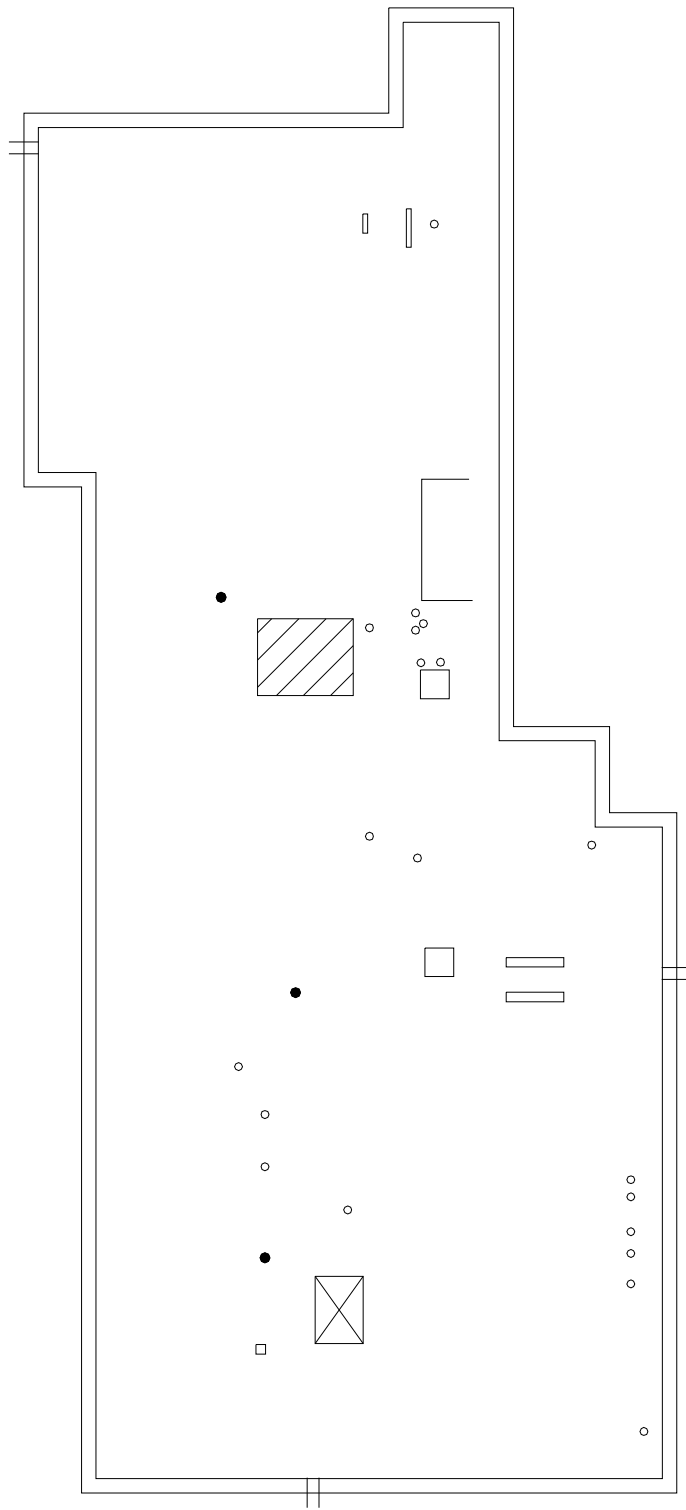
Building: 383 - Bailey Hall - (1458 Cleveland Ave N St. Paul)

Total Area: 28,154 sf

<u>A</u>	<u>8,804</u> sf	<u>E</u>	<u>135</u> sf	<u>I</u>	<u>490</u> sf
<u>B</u>	<u>80</u> sf	<u>F</u>	<u>1,764</u> sf	<u>J</u>	<u>160</u> sf
<u>C</u>	<u>5,920</u> sf	<u>G</u>	<u>2,016</u> sf	<u>K</u>	<u>432</u> sf
<u>D</u>	<u>521</u> sf	<u>H</u>	<u>5,752</u> sf	<u>L</u>	<u>2,080</u> sf

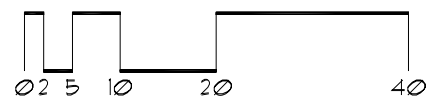


Roof Corrective Action

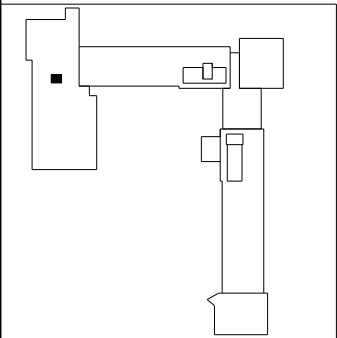
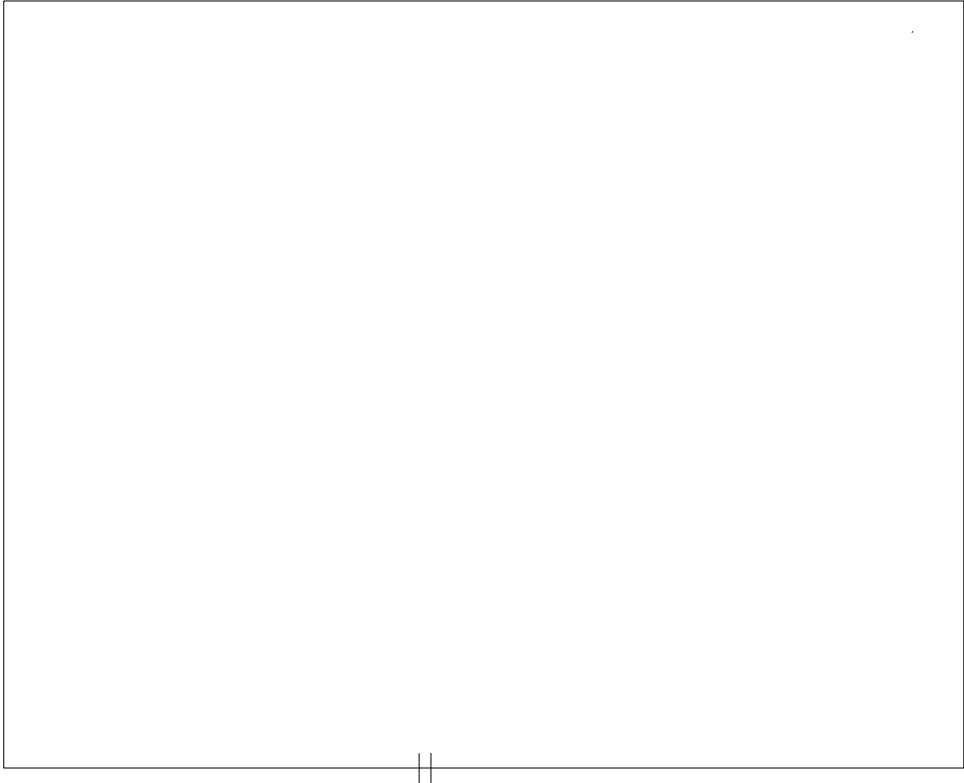


SYMBOLS KEY

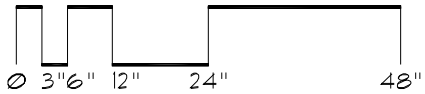
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- † SCUPPER
- ⊠ SKYLIGHT
- ① DEFECT-NO REPAIR



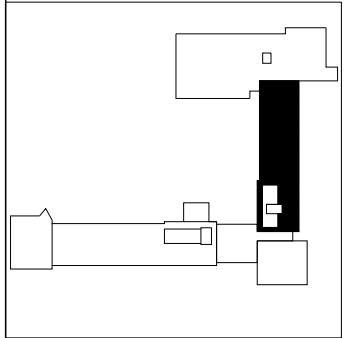
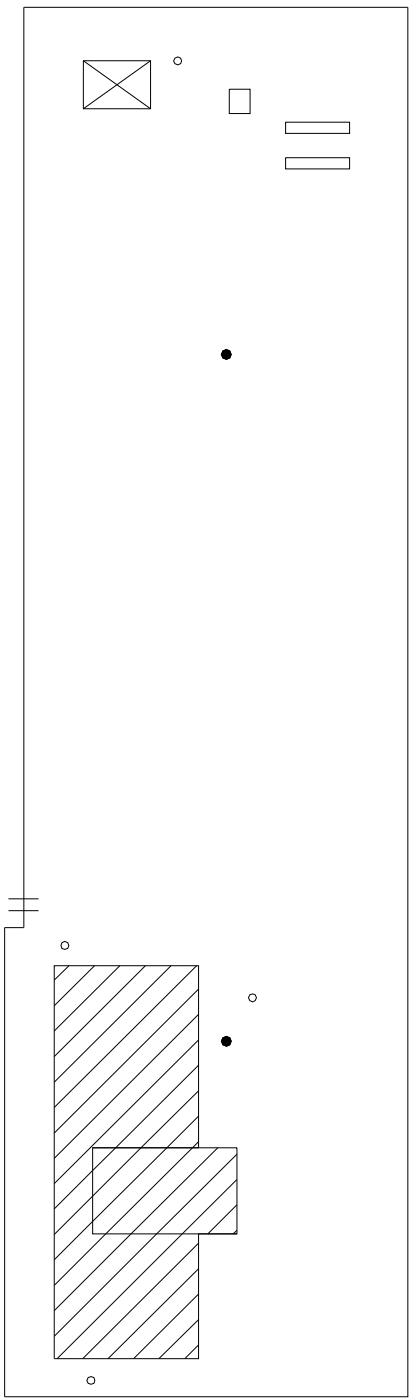
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
① DEFECT-NO REPAIR

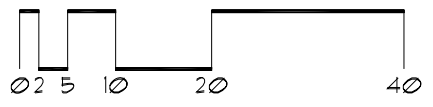
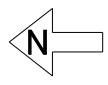


Roof Corrective Action

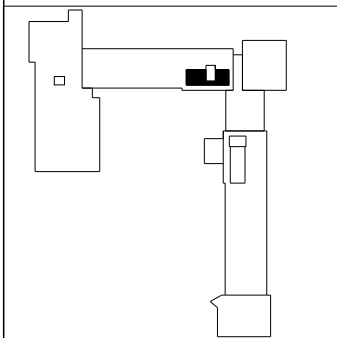
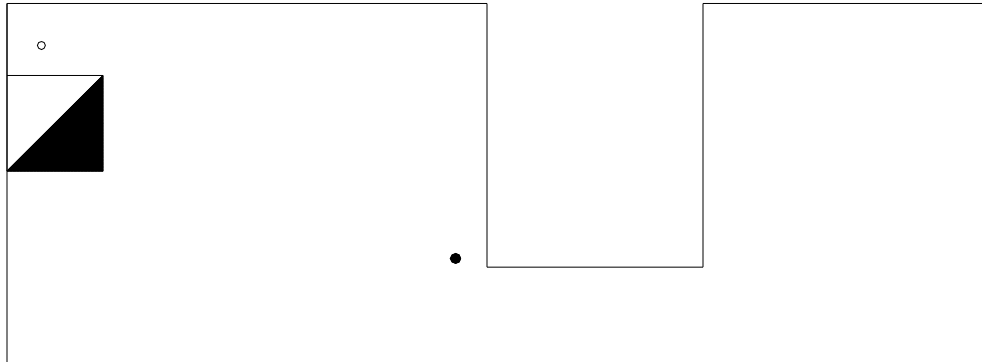


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- ① DEFECT-NO REPAIR

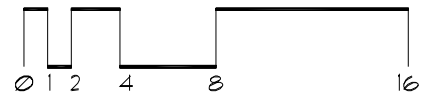
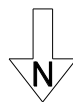


Roof Corrective Action

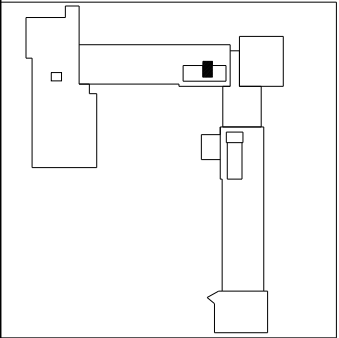
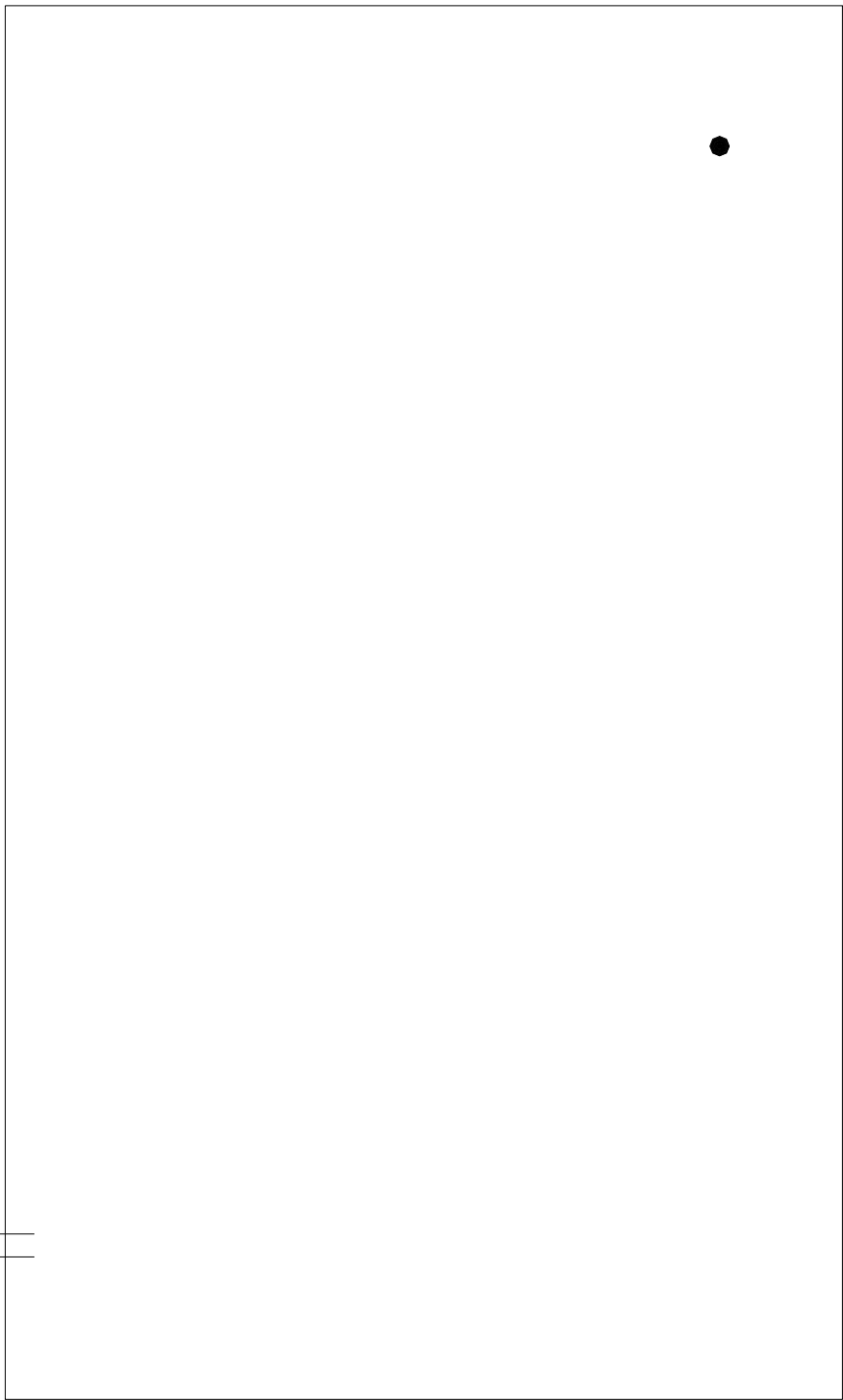


SYMBOLS KEY

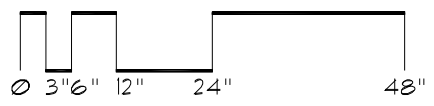
- ROOF DRAIN
- VENT STACK
- ▴ CHIMNEY
- ① DEFECT-NO REPAIR



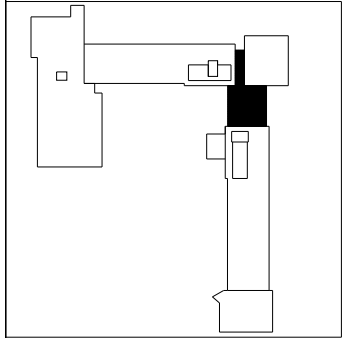
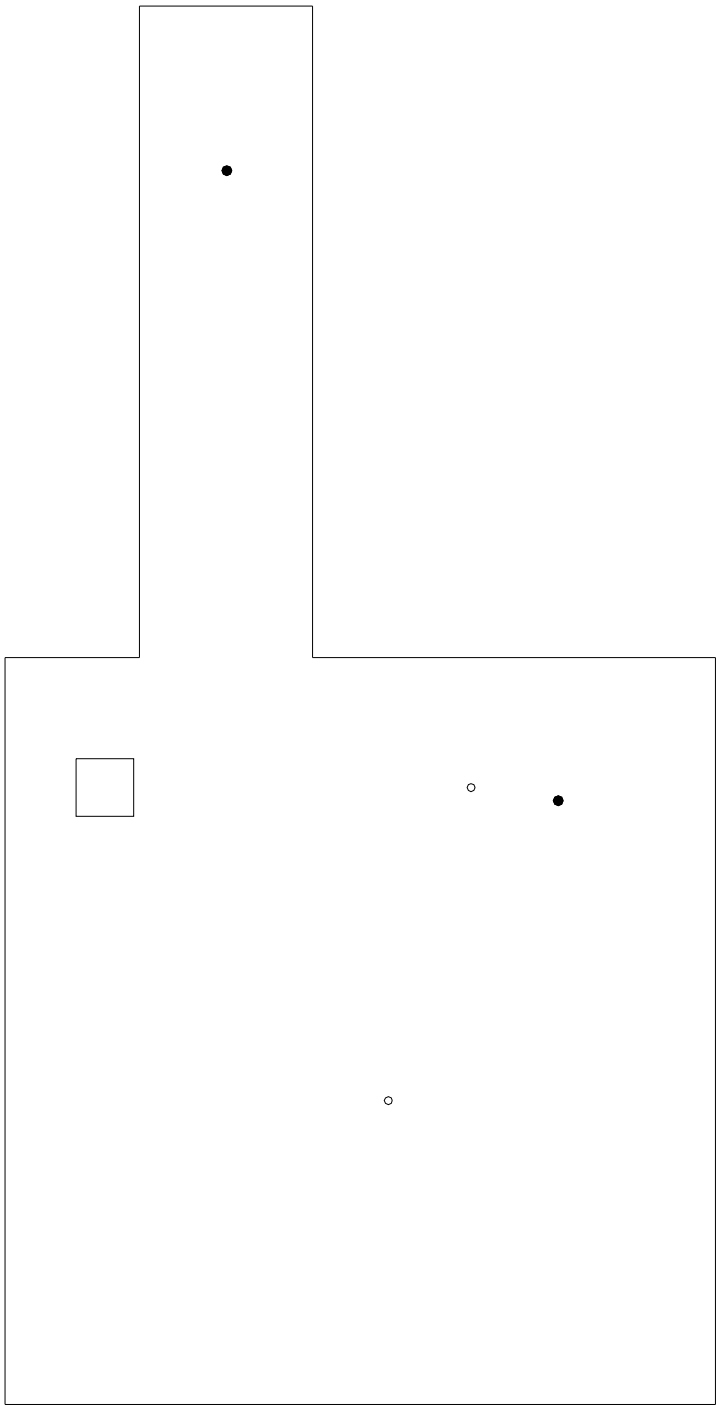
Roof Corrective Action



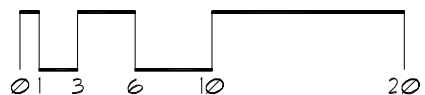
- SYMBOLS KEY**
- ROOF DRAIN
 - † SCUPPER
 - ⓪ DEFECT-NO REPAIR



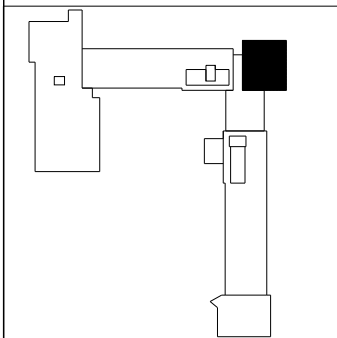
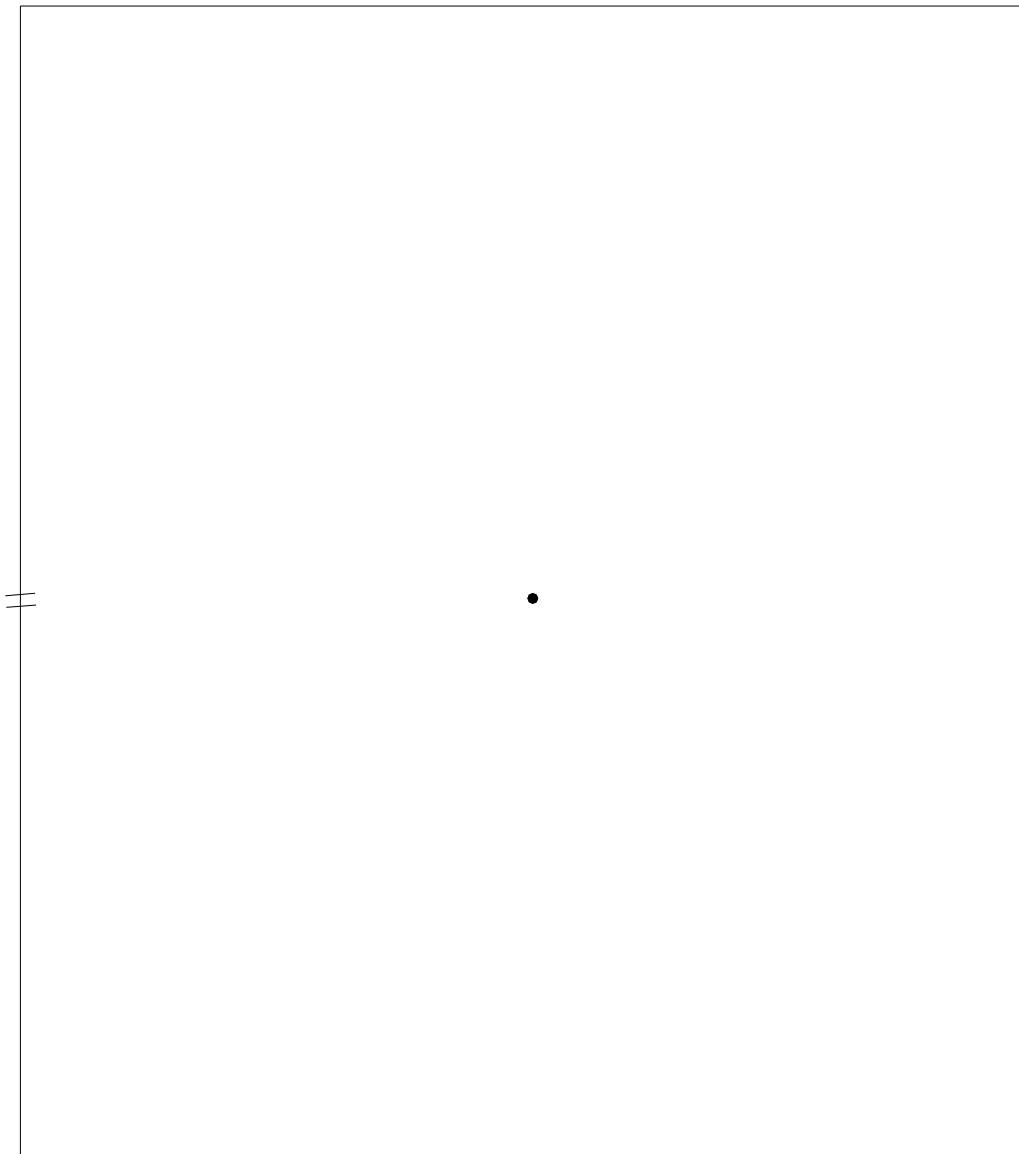
Roof Corrective Action



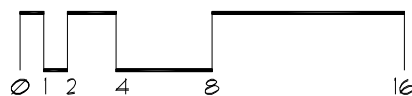
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ① DEFECT-REPAIR



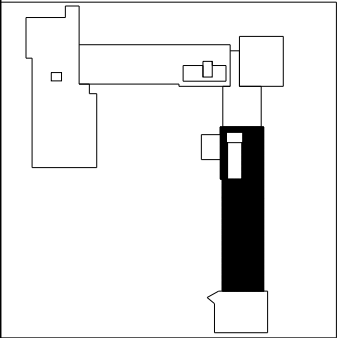
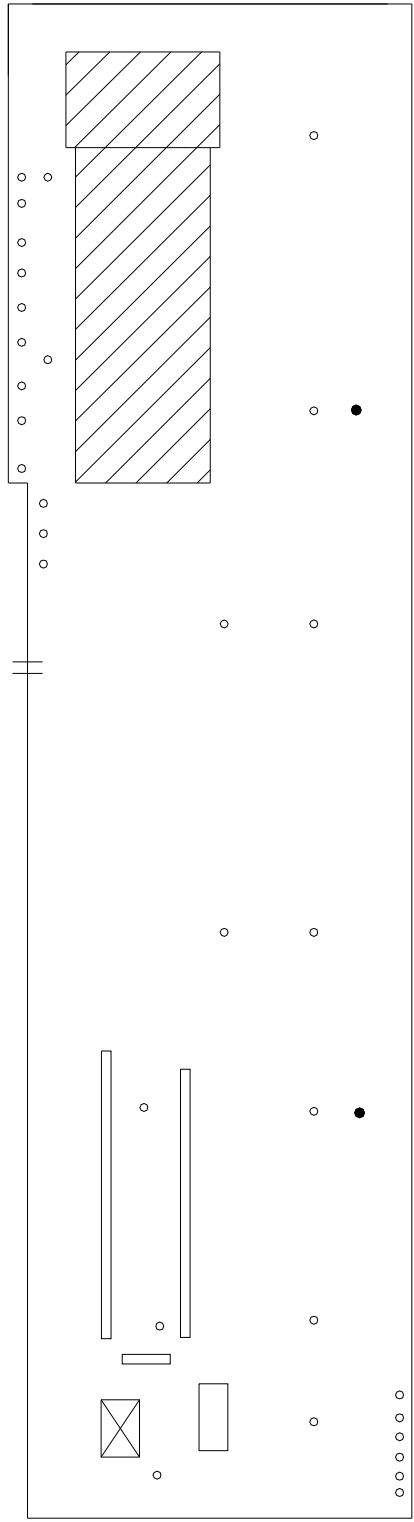
Roof Corrective Action



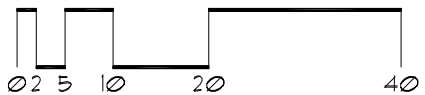
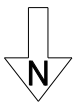
- SYMBOLS KEY
- ROOF DRAIN
 - † SCUPPER
 - ⓪ DEFECT-REPAIR



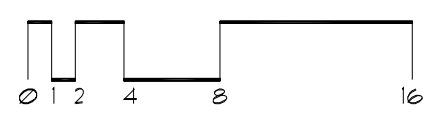
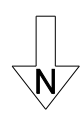
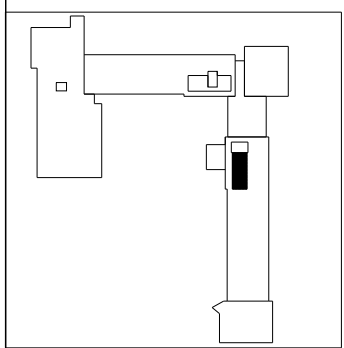
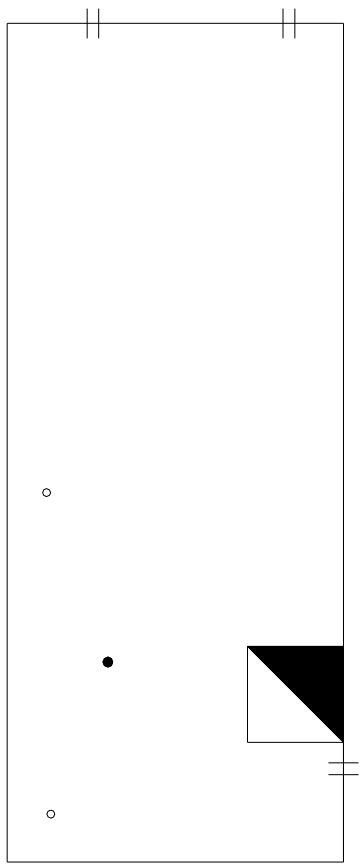
Roof Corrective Action



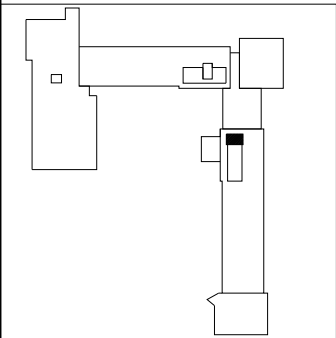
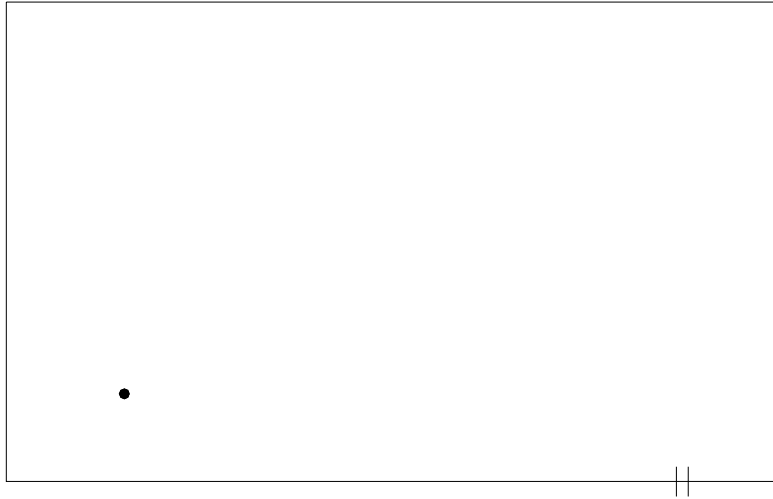
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ⊠ SKYLIGHT
 - ⊥ SCUPPER
 - ⊙ DEFECT-REPAIR



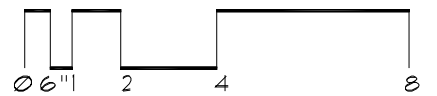
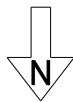
Roof Corrective Action



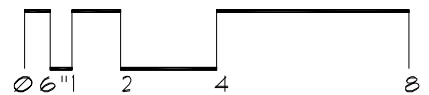
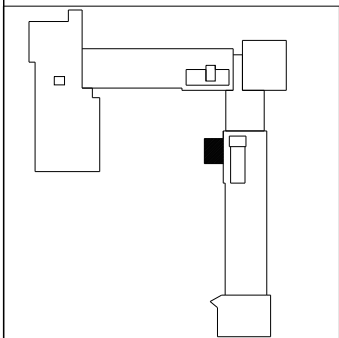
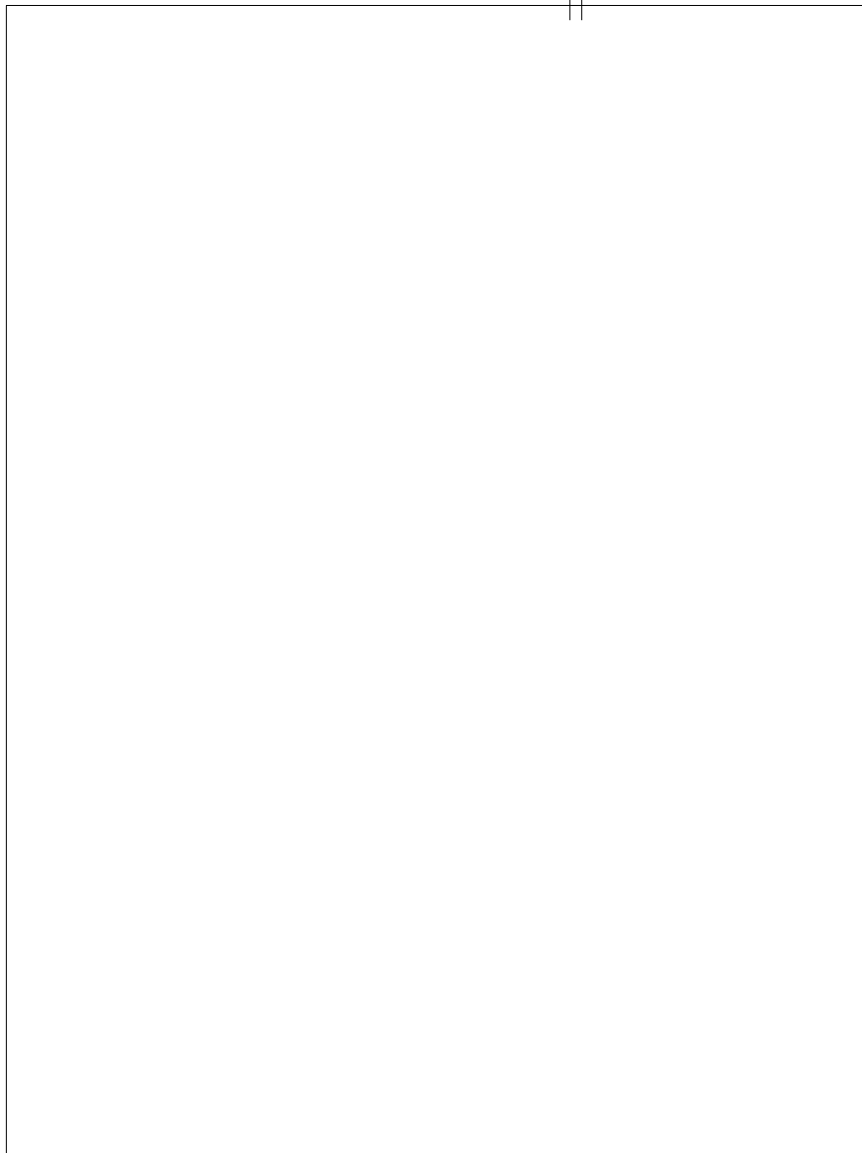
Roof Corrective Action



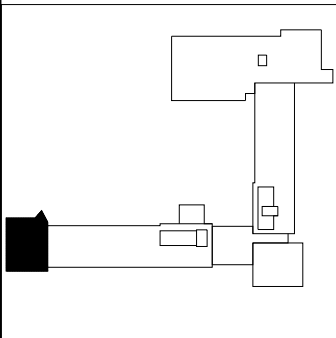
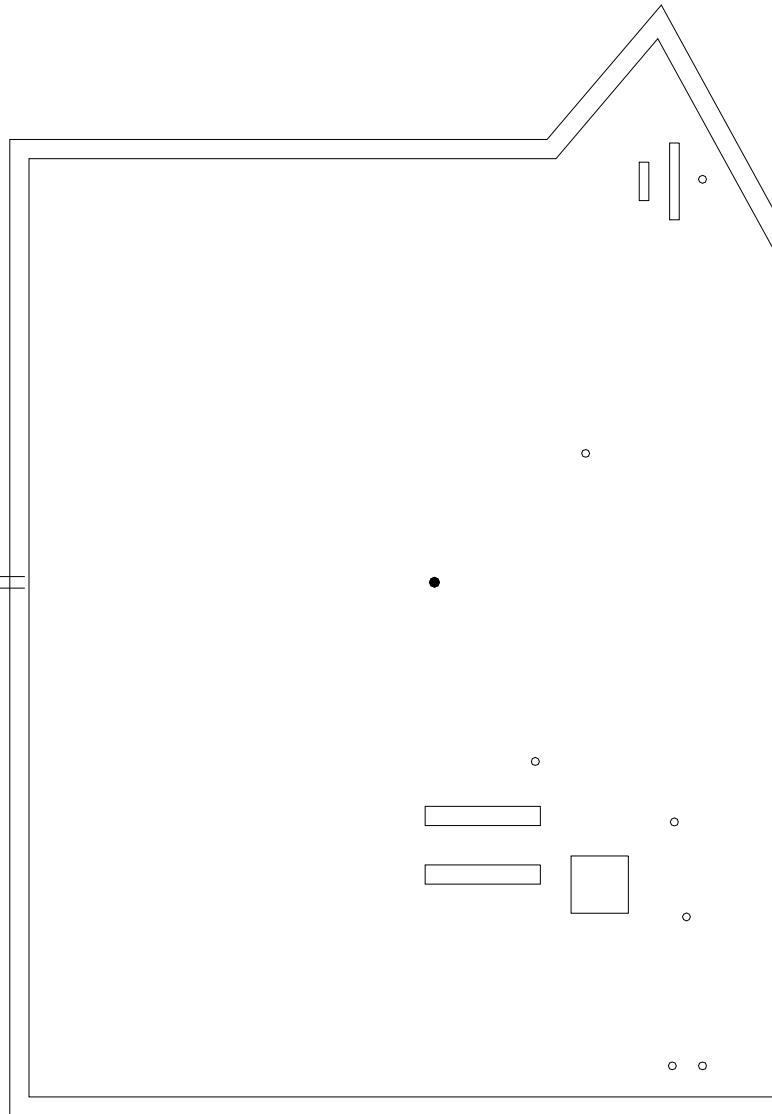
SYMBOLS KEY	
•	ROOF DRAIN
⊖	DEFECT-REPAIR
⊕	SCUPPER



Roof Corrective Action

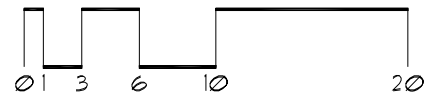


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- VENT STACK
- † SCUPPER
- ① DEFECT-REPAIR



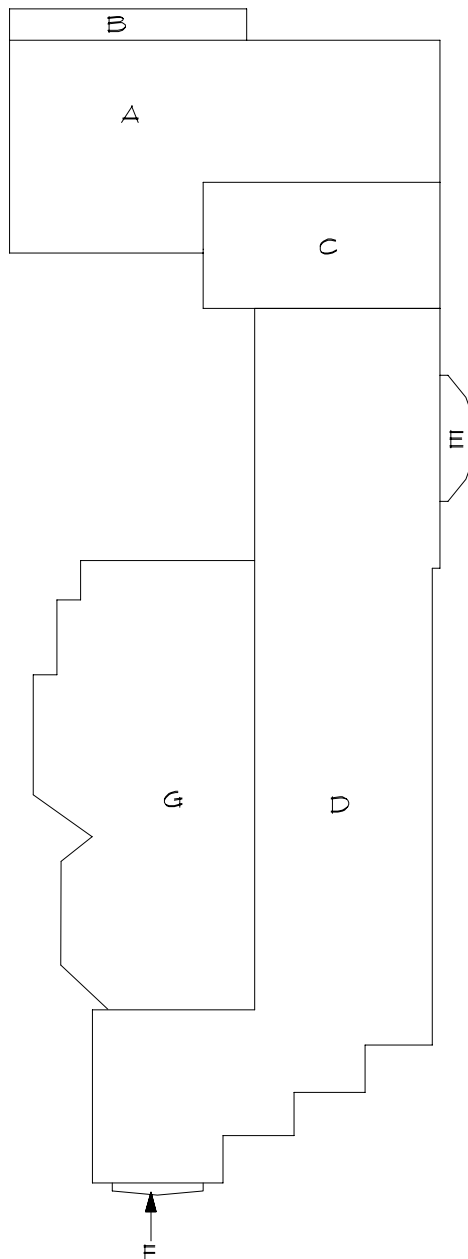
Roof ID

Building: SP385 - Vet Diagnostic Lab - (1942 Carter Ave St Paul)

Roof Access: Main door, up stairwell to control room E440, through penthouse

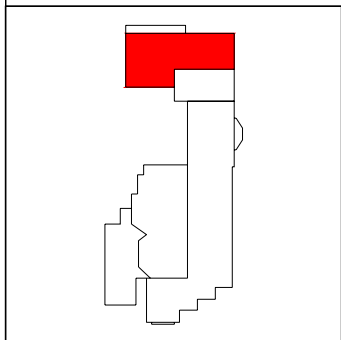
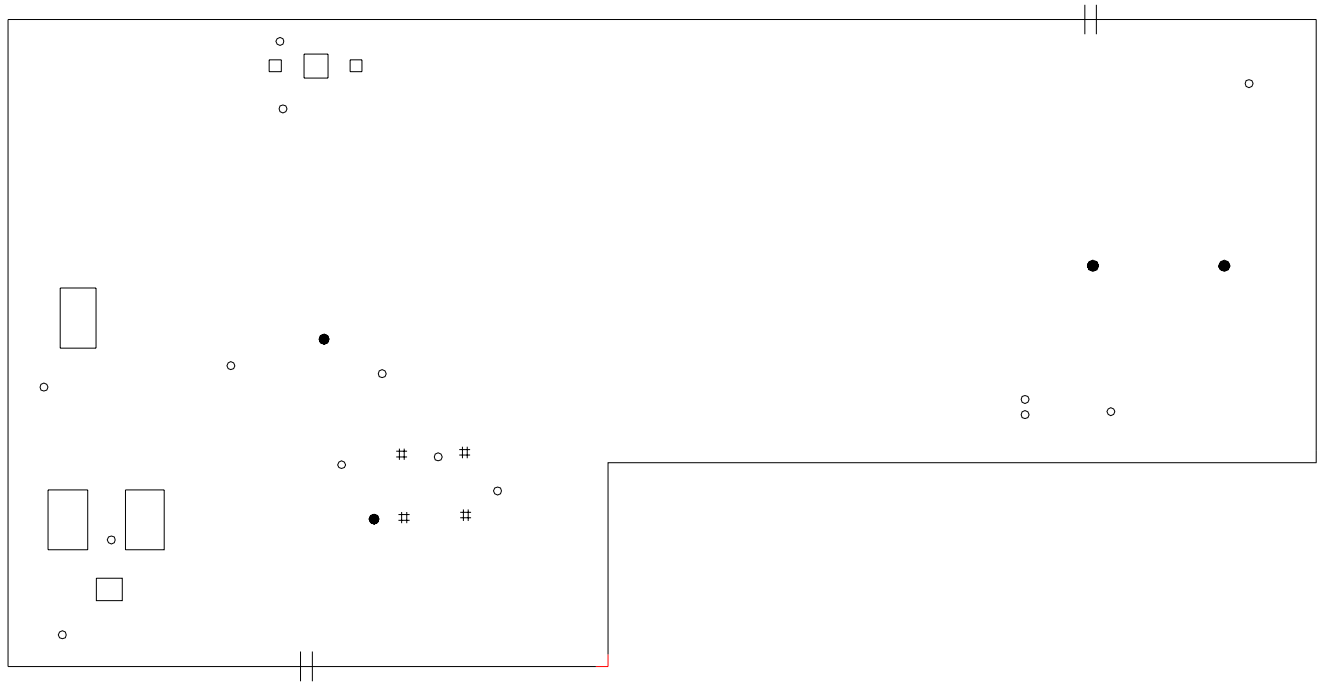
Total Area: 23,249 sf

<u>A</u>	<u>4,806</u> sf	<u>E</u>	<u>72</u> sf
<u>B</u>	<u>480</u> sf	<u>F</u>	<u>48</u> sf
<u>C</u>	<u>1,920</u> sf	<u>G</u>	<u>5,354</u> sf
<u>D</u>	<u>10,569</u> sf		



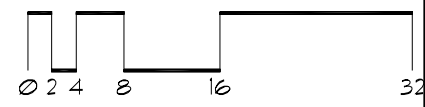
SYMBOLS KEY

Roof Corrective Action

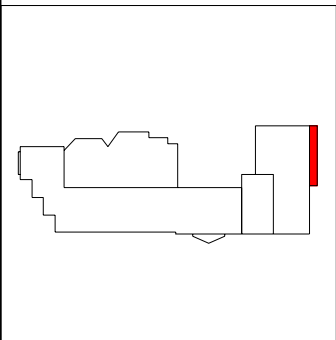
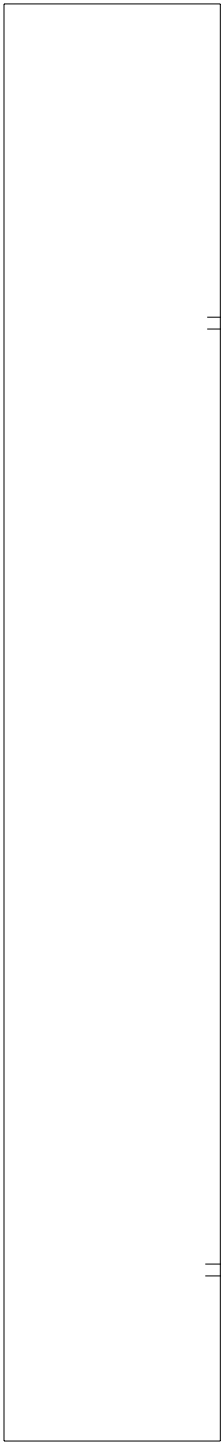


SYMBOLS KEY

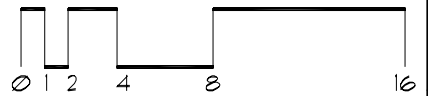
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- DEFECT-REPAIR



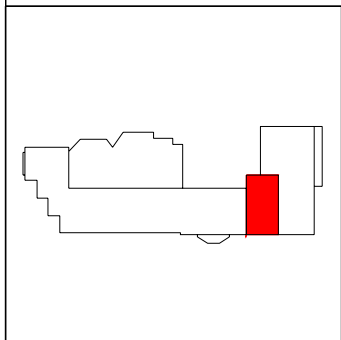
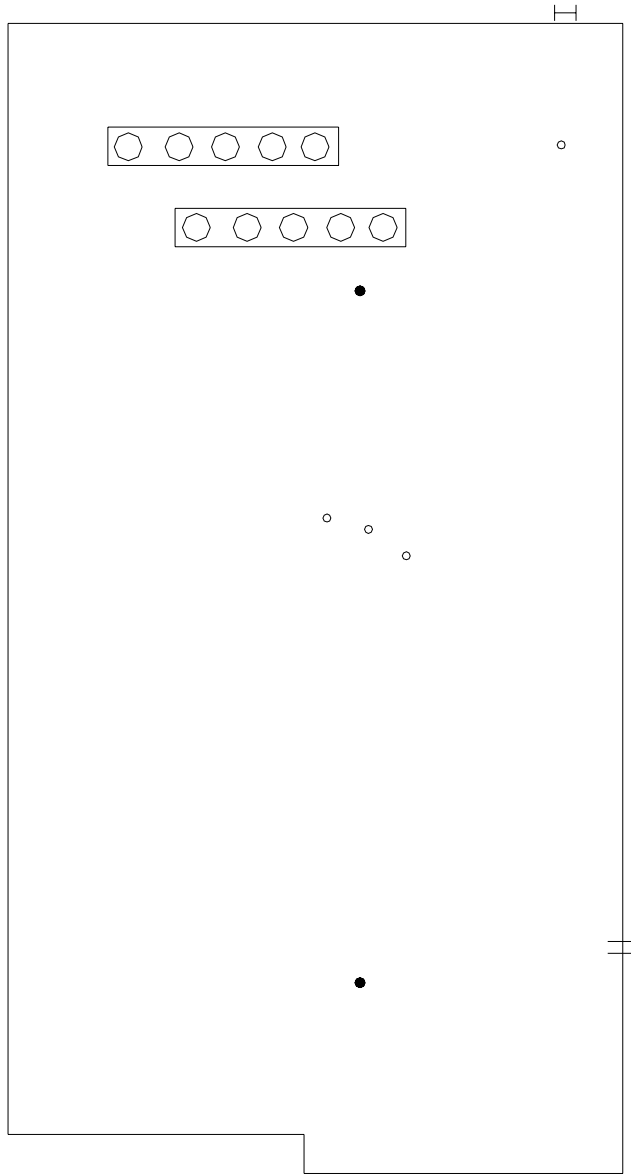
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
DEFECT-REPAIR

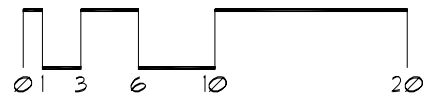


Roof Corrective Action

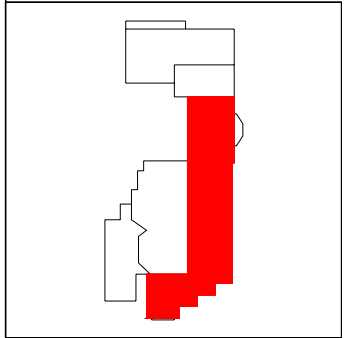
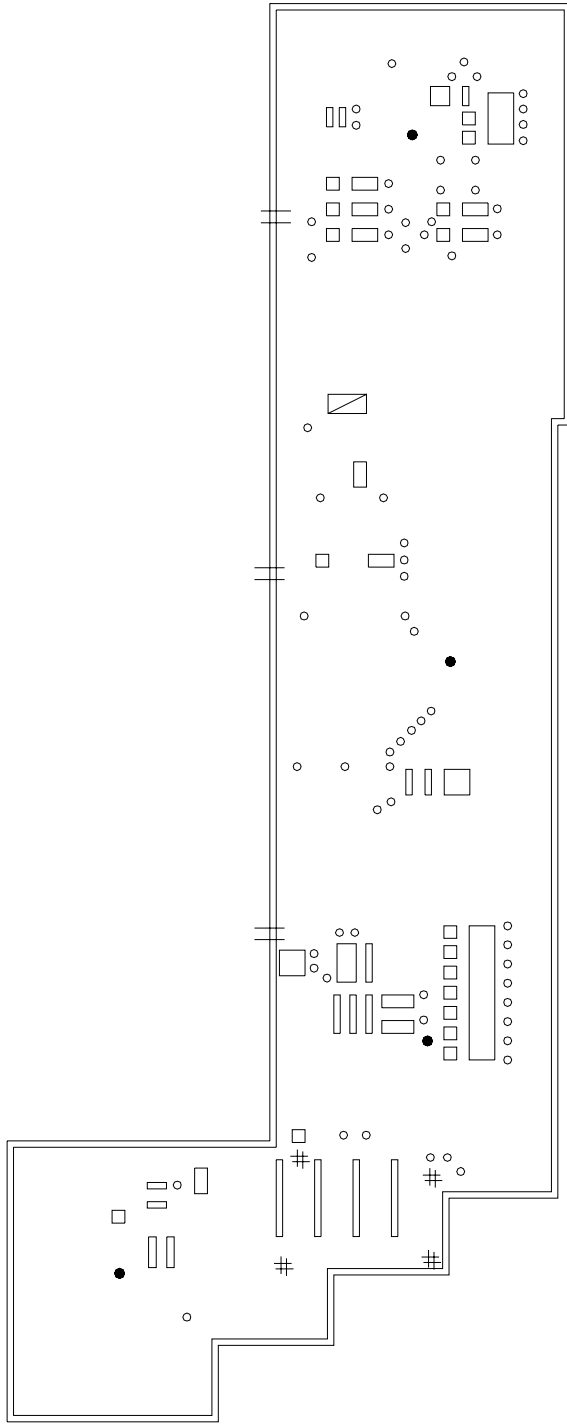


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- Ⓢ DEFECT-REPAIR



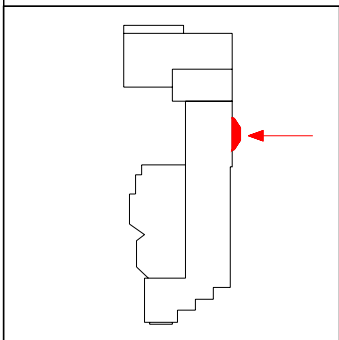
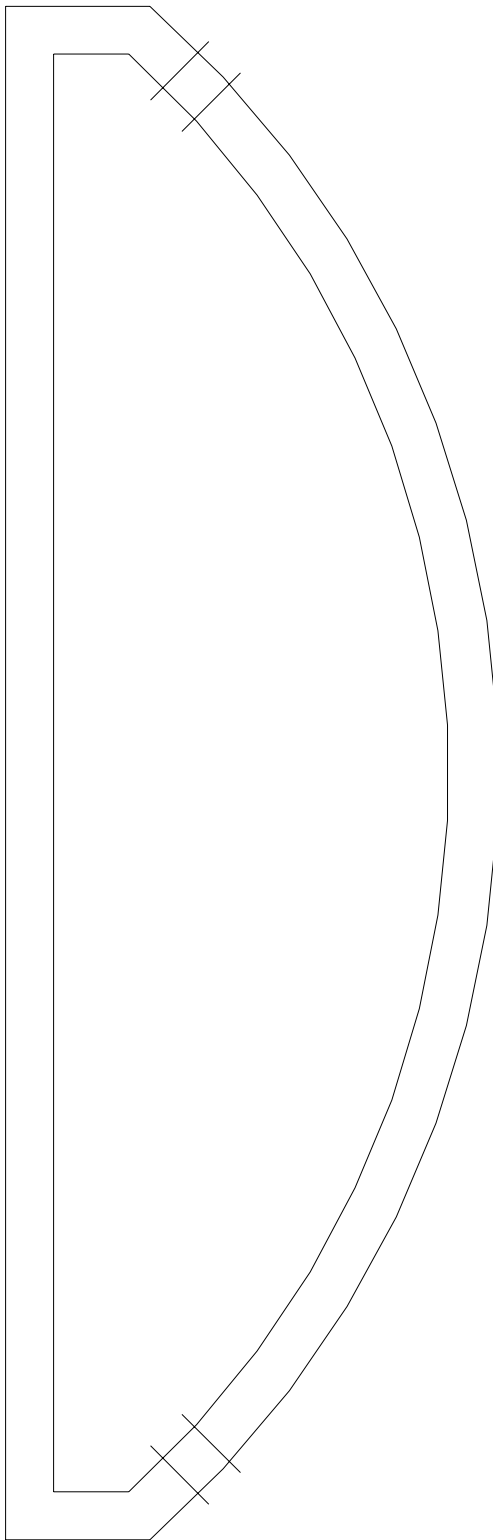
Roof Corrective Action



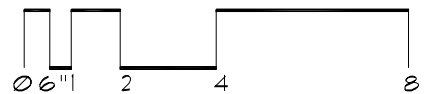
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - † SCUPPER
 - ▣ ROOF HATCH
 - # PITCH PAN
 - ⊗ DEFECT-REPAIR



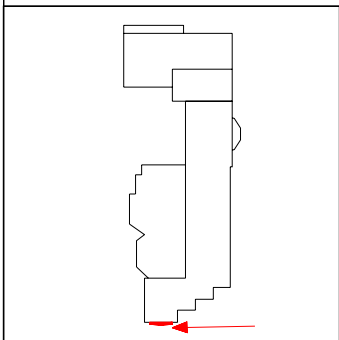
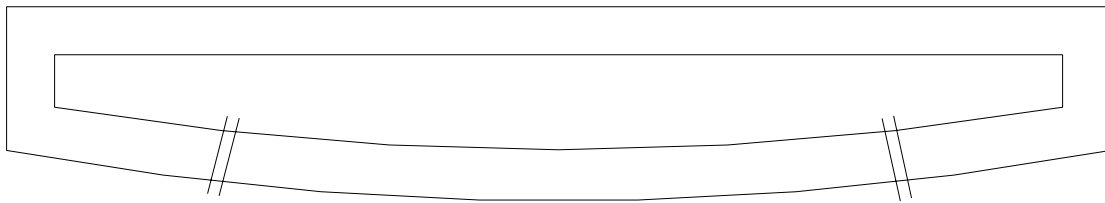
Roof Corrective Action



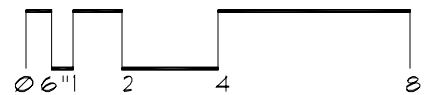
SYMBOLS KEY
① DEFECT-NO REPAIR



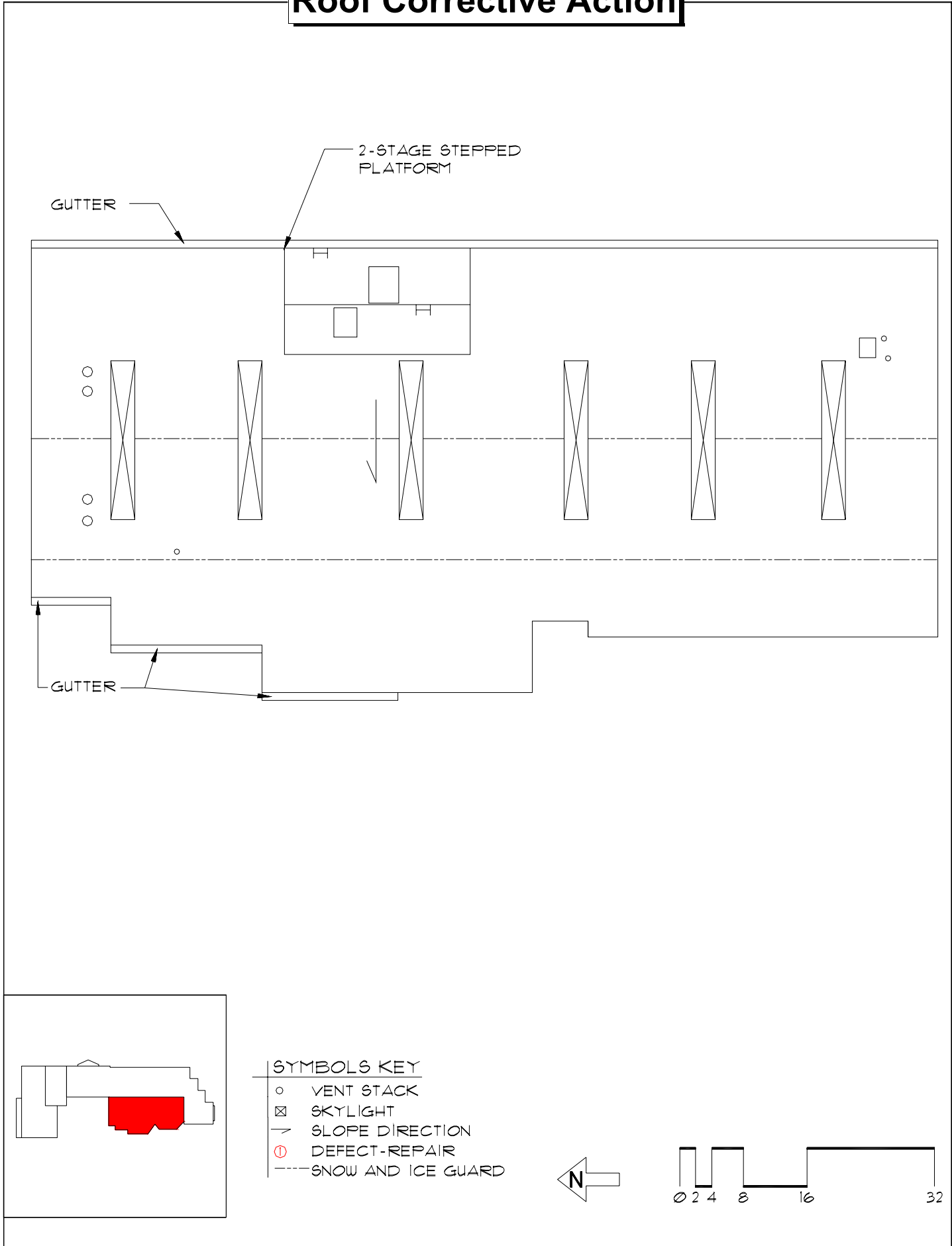
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER



Roof Corrective Action



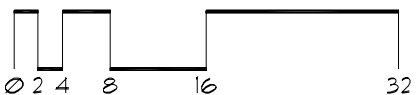
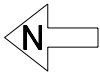
GUTTER

2-STAGE STEPPED PLATFORM

GUTTER

SYMBOLS KEY

- VENT STACK
- ⊠ SKYLIGHT
- SLOPE DIRECTION
- Ⓢ DEFECT-REPAIR
- SNOW AND ICE GUARD



Roof ID

385

Building: ~~SP385A~~ - Vet Diagnostic Lab Addition - (1942 Carter Ave St Paul)

Total Area: 3,532 sf

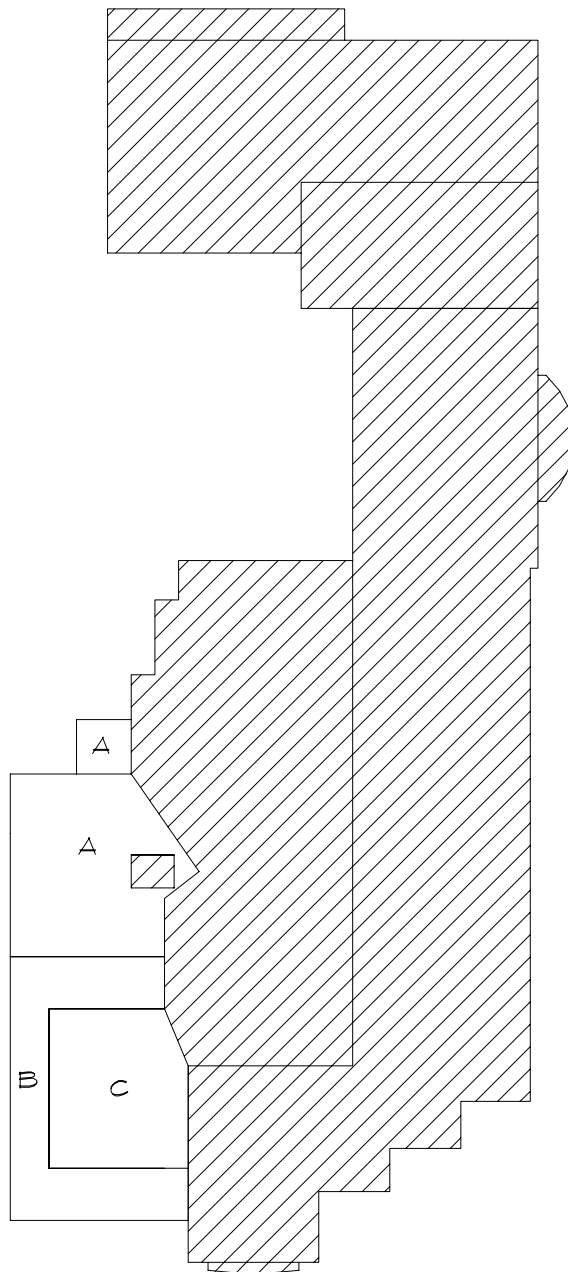
A 1,492 sf

B 990 sf

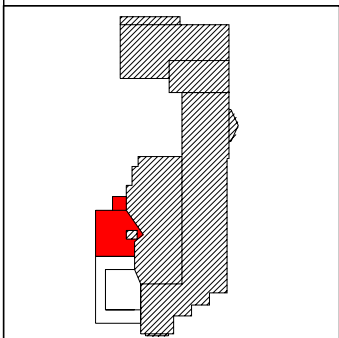
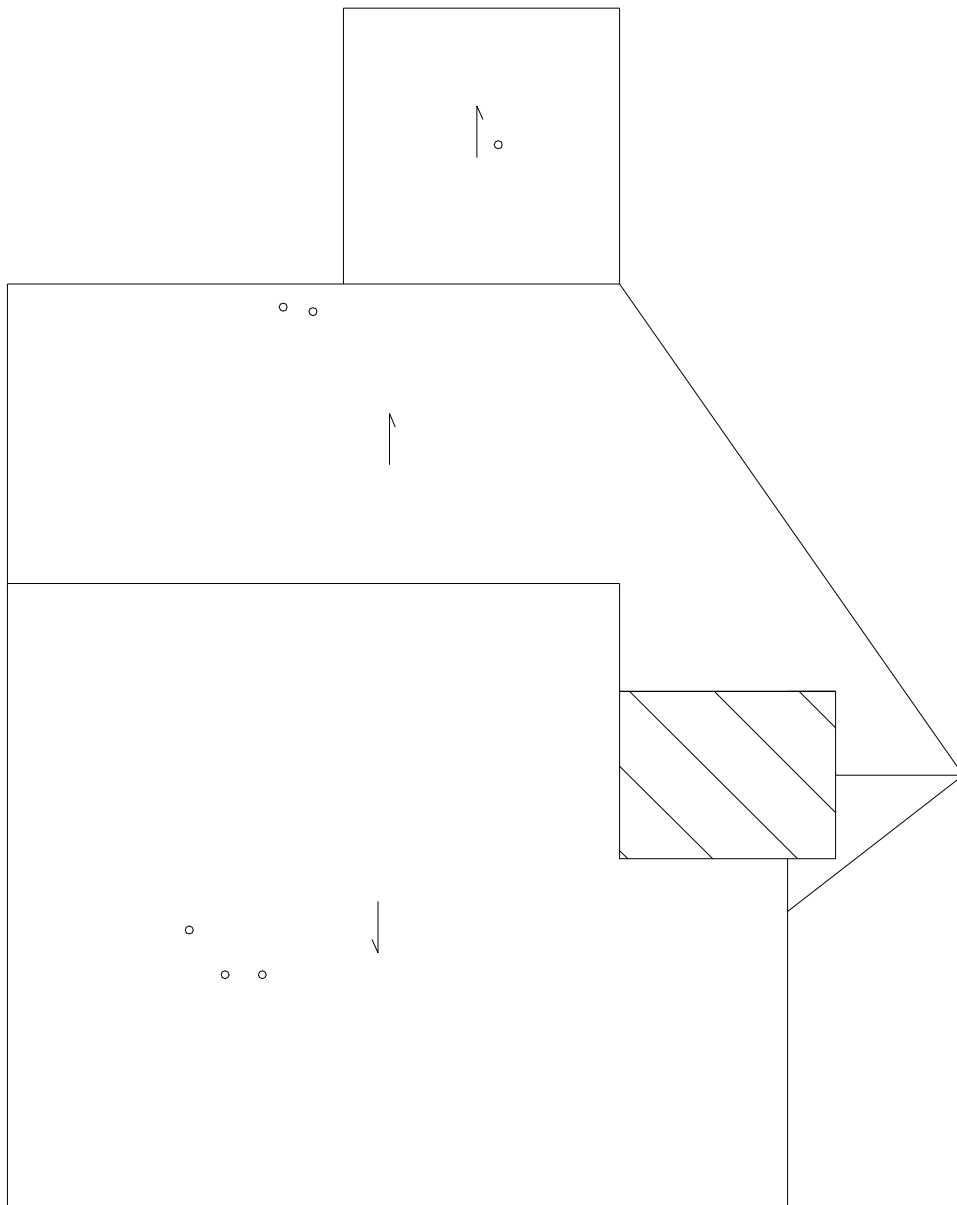
C 1,050 sf

Old / New

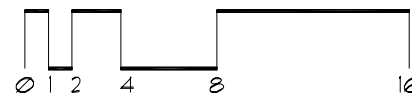
A / G
B / H
C / I



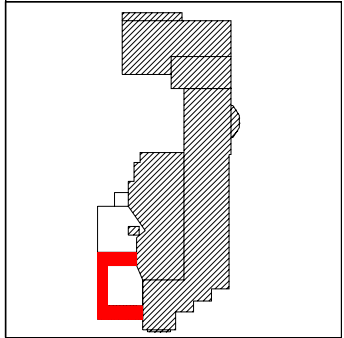
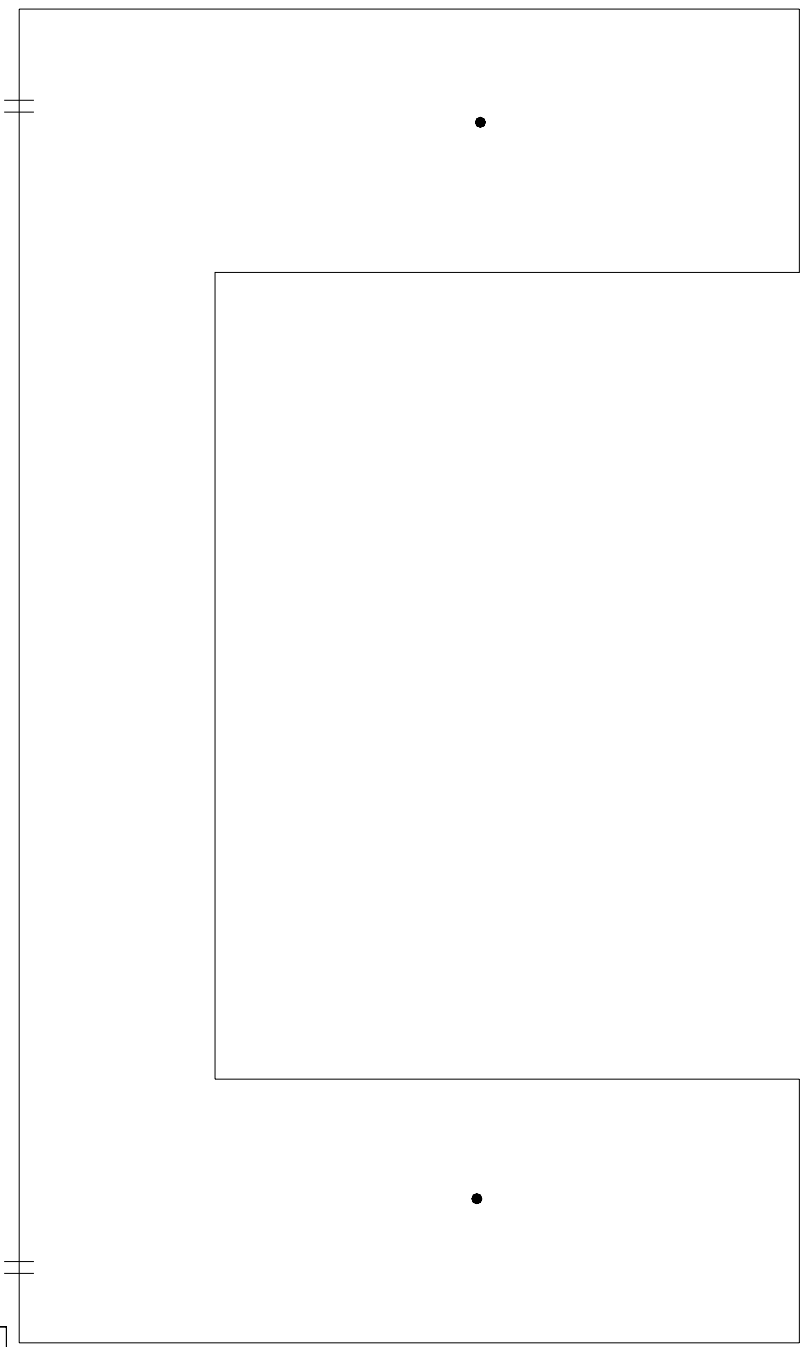
Roof Corrective Action



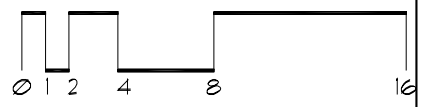
SYMBOLS KEY
○ VENT STACK
→ SLOPE DIRECTION



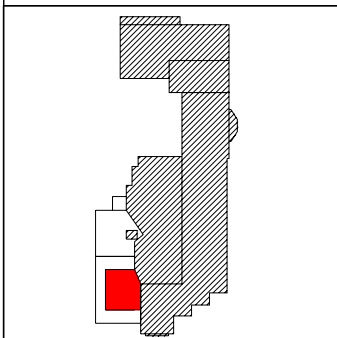
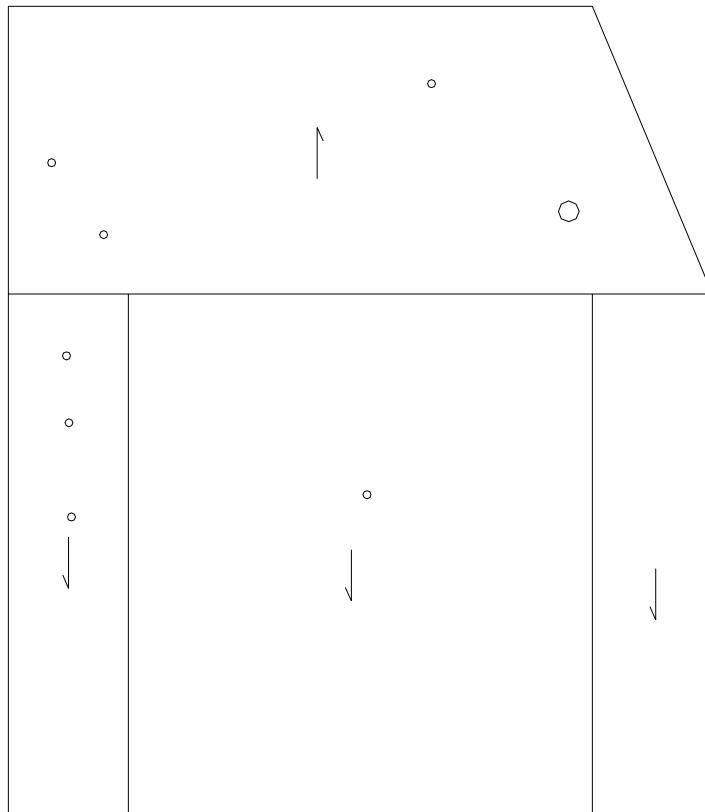
Roof Corrective Action



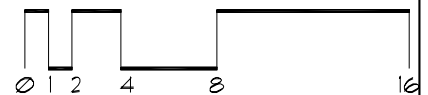
- SYMBOLS KEY**
- ROOF DRAIN
 - ⦚ SCUPPER
 - Ⓢ DEFECT-REPAIR



Roof Corrective Action



SYMBOLS KEY
○ VENT STACK
→ SLOPE DIRECTION



Roof ID

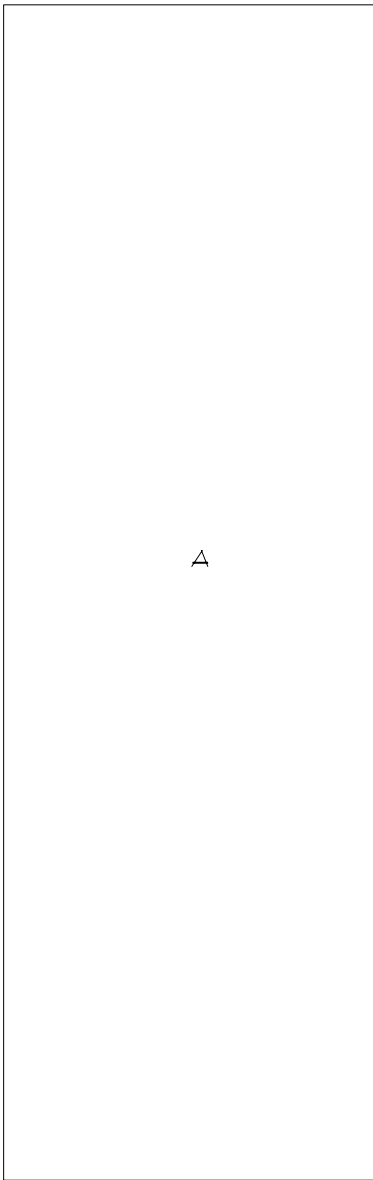
Building: SP386 - Vet Isolation Facilities - (1346 Gortner Ave St. Paul)

Roof Access: Roof Hatch/Skylight with ships ladder

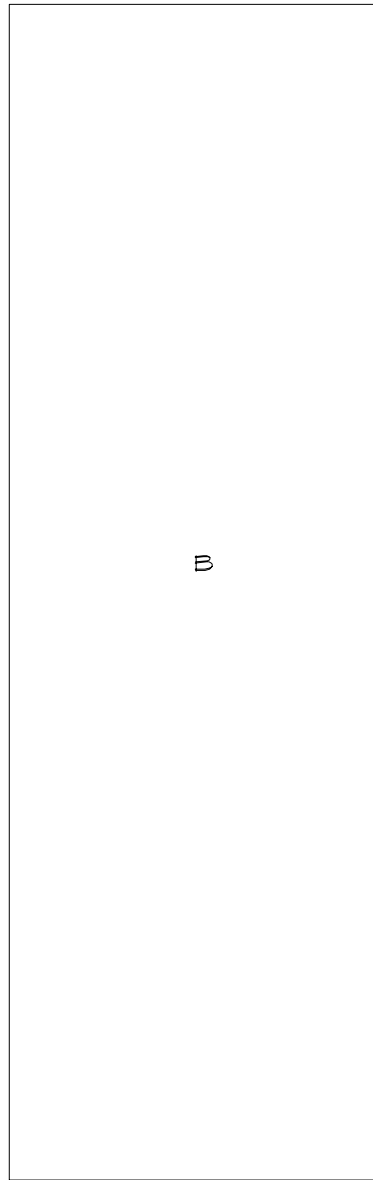
Total Area: 9,672 sf

A 4,836 sf

B 4,836 sf



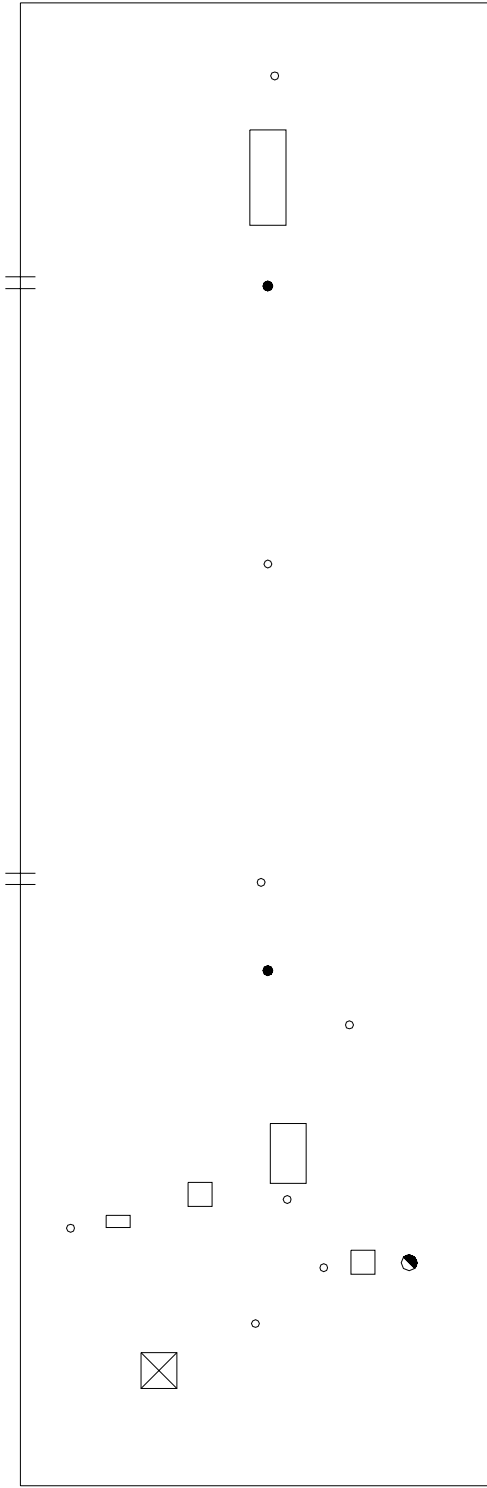
A



B

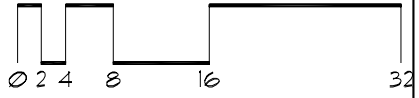
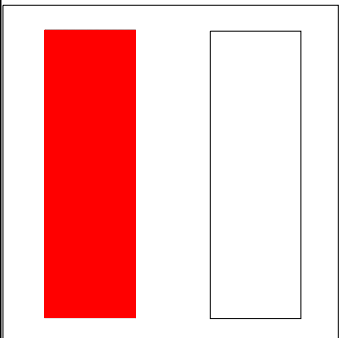


Roof Corrective Action

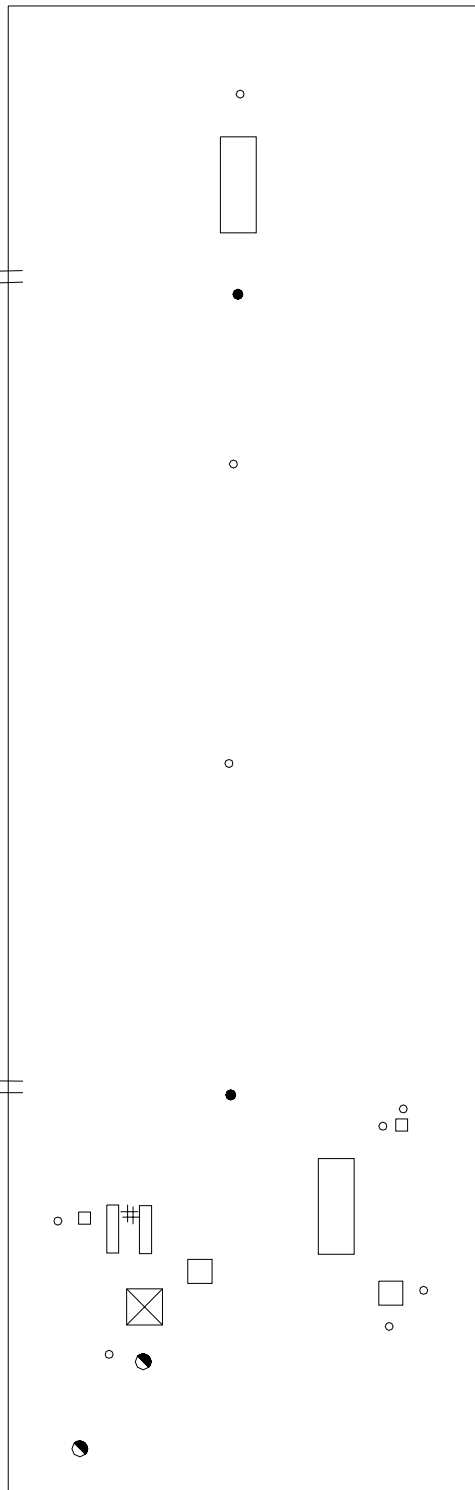


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊠ SKYLIGHT
- † SCUPPER
- HEAT STACK
- ⊙ DEFECT-REPAIR
- DEFECT-NO REPAIR

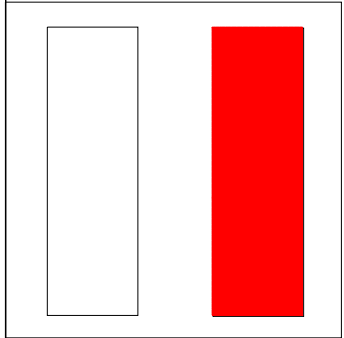


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- ⊕ SCUPPER
- ⊗ SKYLIGHT
- HEAT STACK
- ⊙ DEFECT-REPAIR



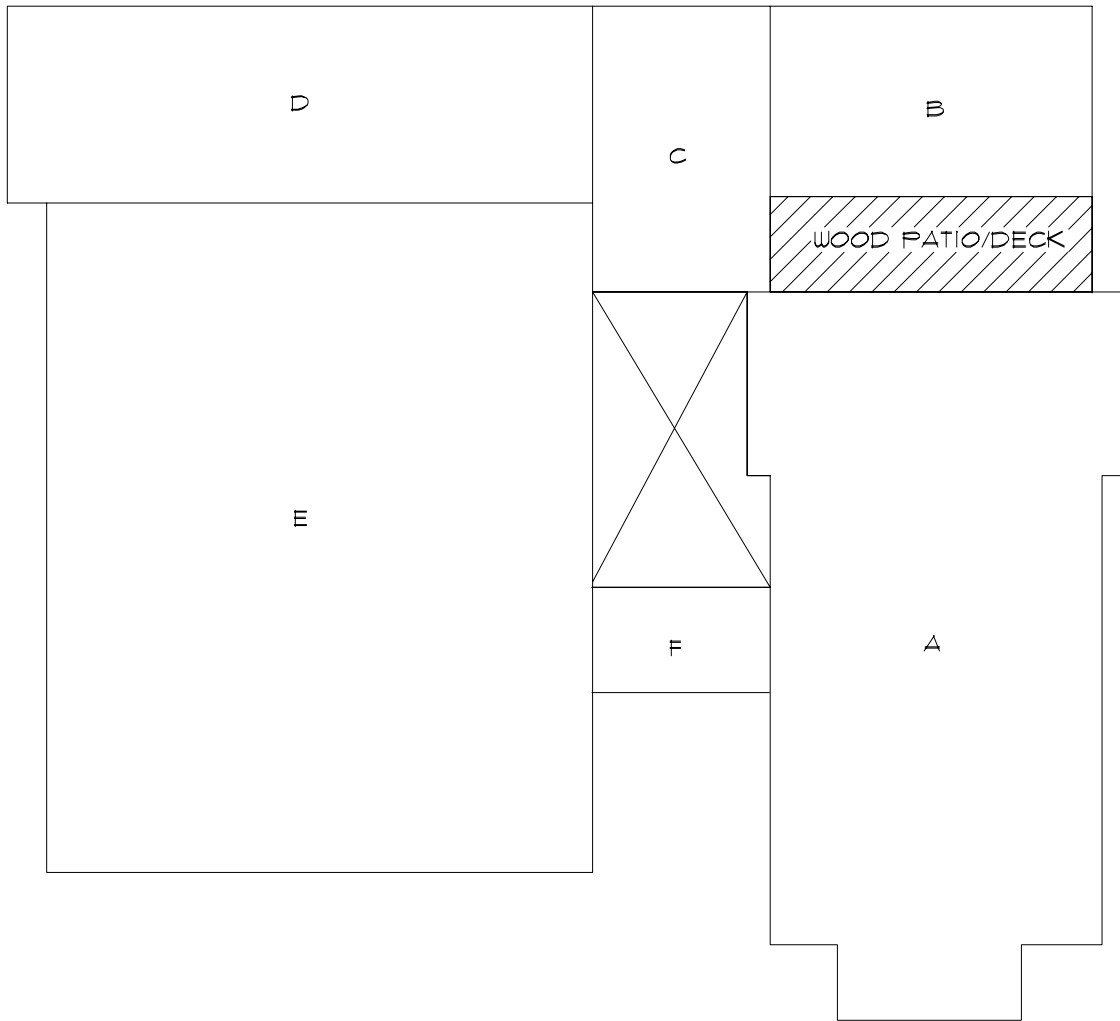
Roof ID

Building: SP387 - Kaufert Lab - (2004 Folwell Ave St Paul)

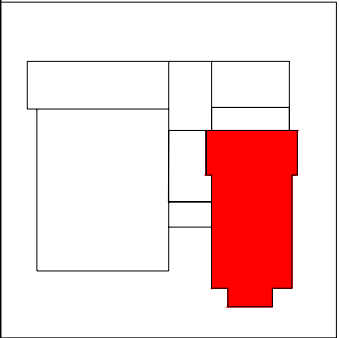
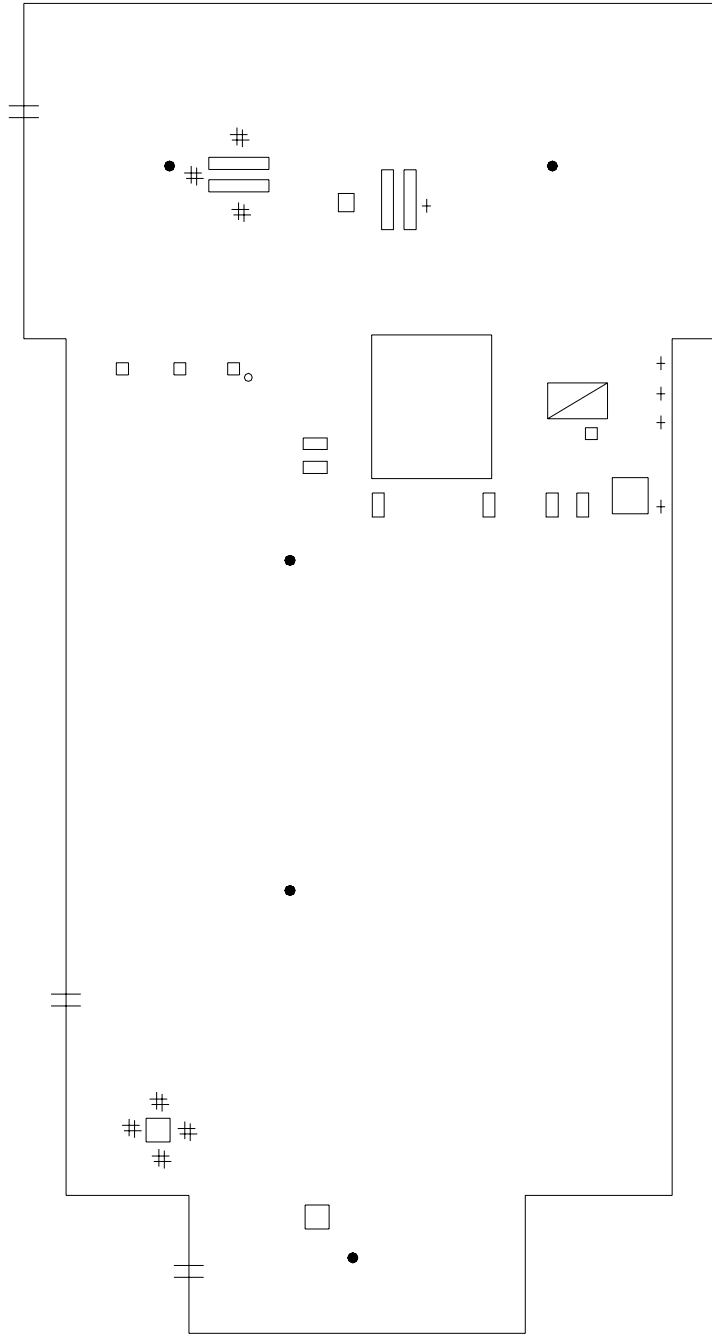
Roof Access: Roof hatch area A; outside ladder west side of area E

Total Area: 19,707 sf

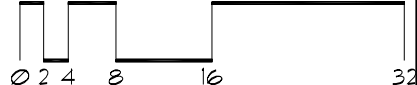
A	5,543 sf	E	8,466 sf
B	1,421 sf	F	432 sf
C	1,175 sf		
D	2,670 sf		



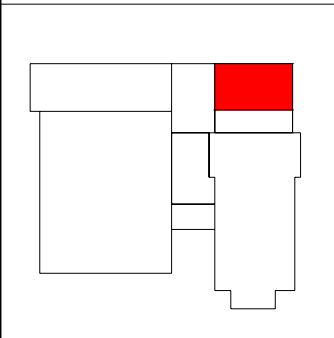
Roof Corrective Action



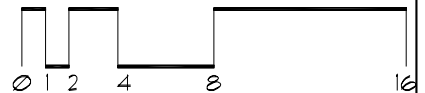
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - † SCUPPER
 - # PITCH PAN
 - ▣ ROOF HATCH
 - ≡ SLEEPER CURB
 - Ⓢ DEFECT-REPAIR



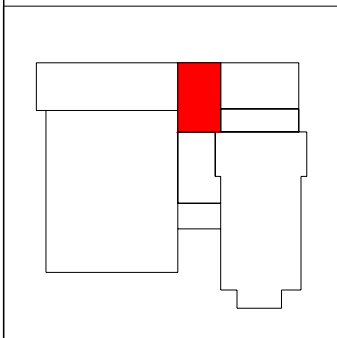
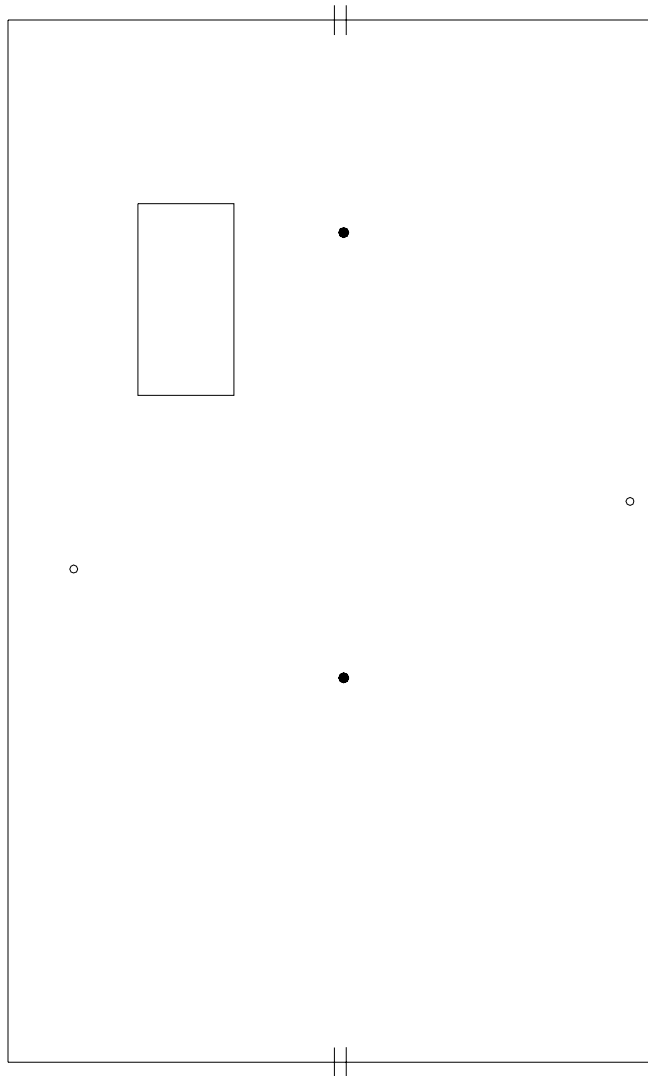
Roof Corrective Action



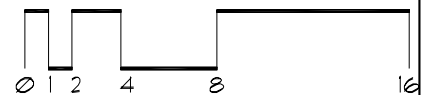
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ⊖ DEFECT-REPAIR
 - ≡ SCUPPER



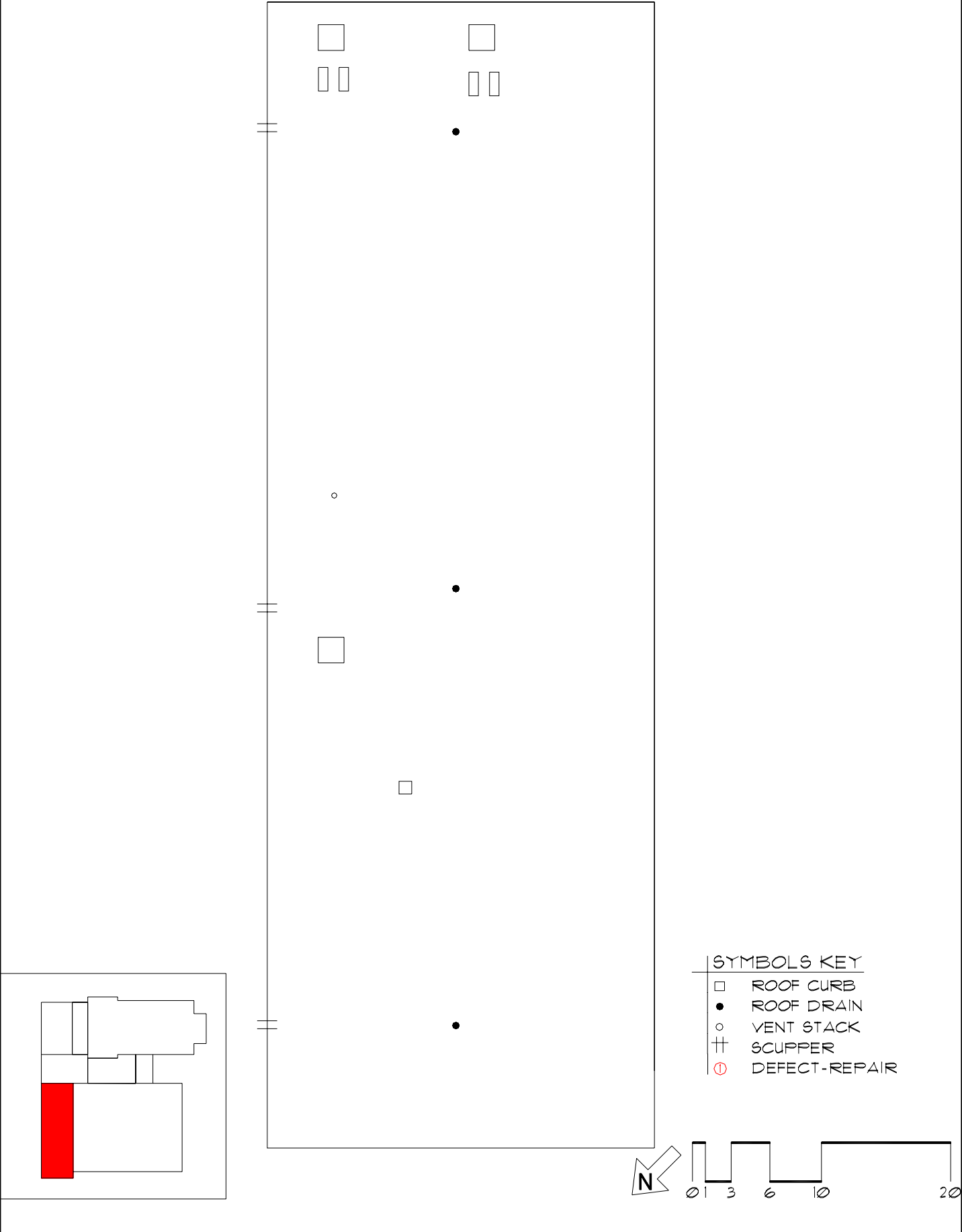
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - || SCUPPER
 - ① DEFECT-REPAIR



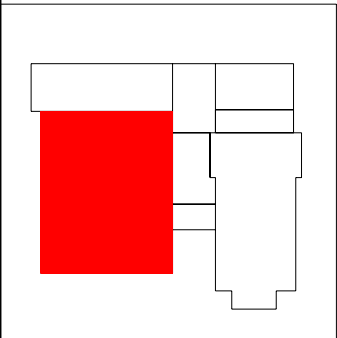
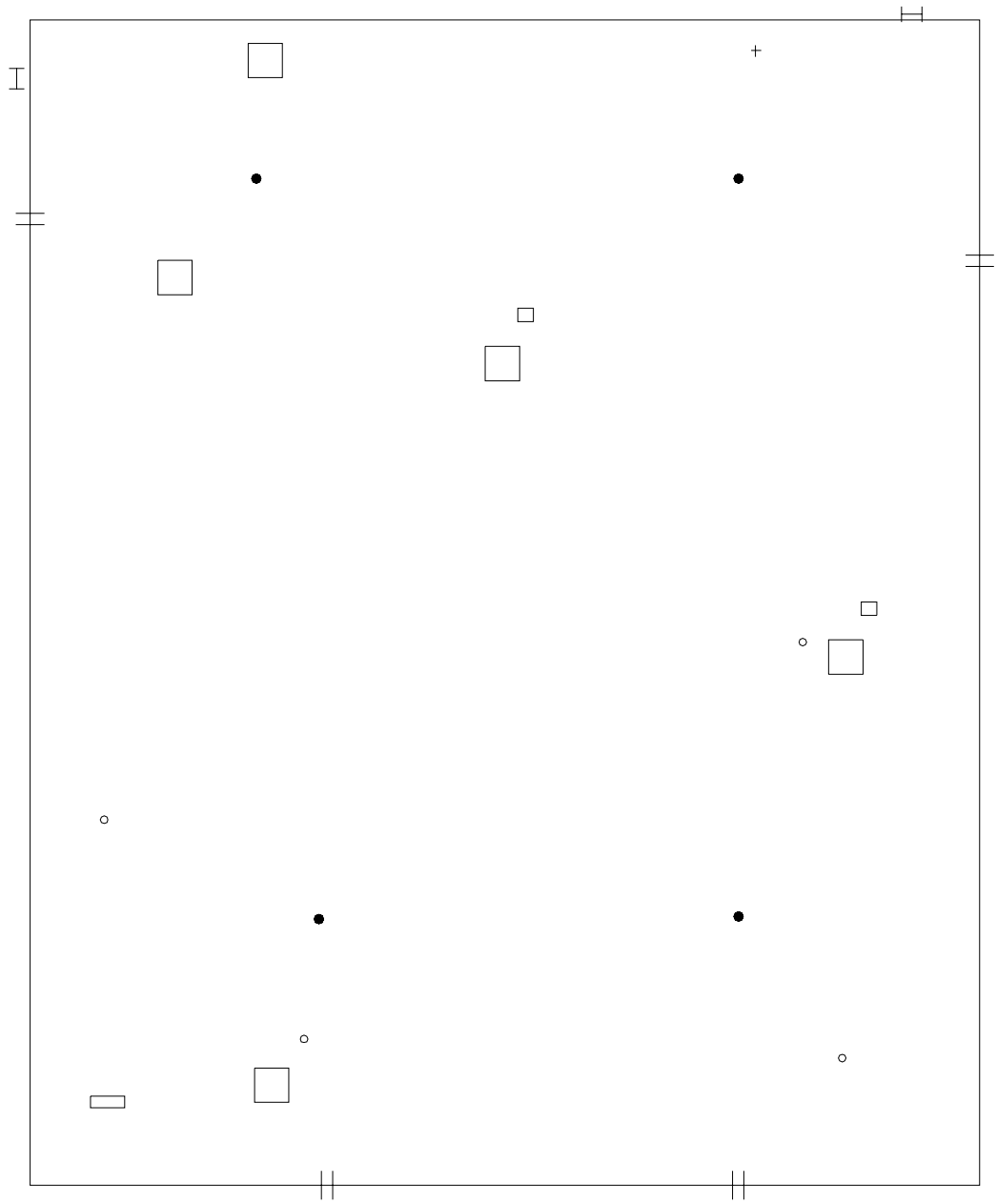
Roof Corrective Action



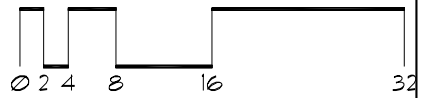
SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- † SCUPPER
- Ⓢ DEFECT-REPAIR

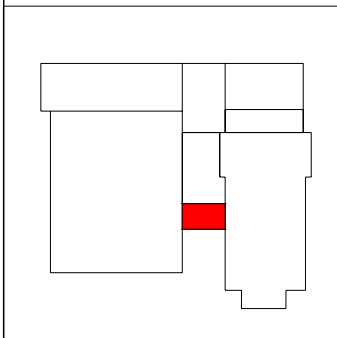
Roof Corrective Action



- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - || SCUPPER
 - ⊕ FLASHED PENETRATION

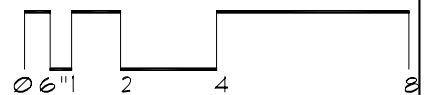


Roof Corrective Action



SYMBOLS KEY

- ⊥ SCUPPER
- ① DEFECT-NO REPAIR



Roof ID

Building: SP388 - Crops Services - (1902 Lindis Ave)

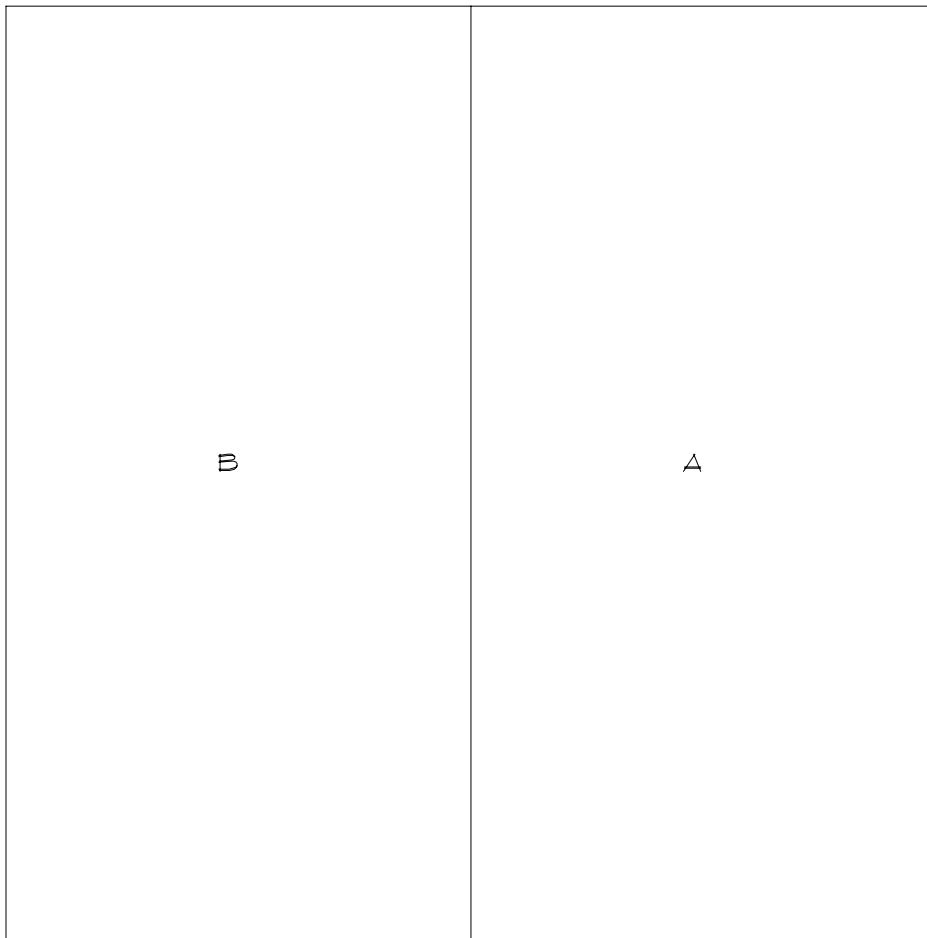
Roof Access: Ladder

Total Area: 21,268 sf

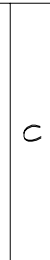
A **10,440** sf

B **10,440** sf

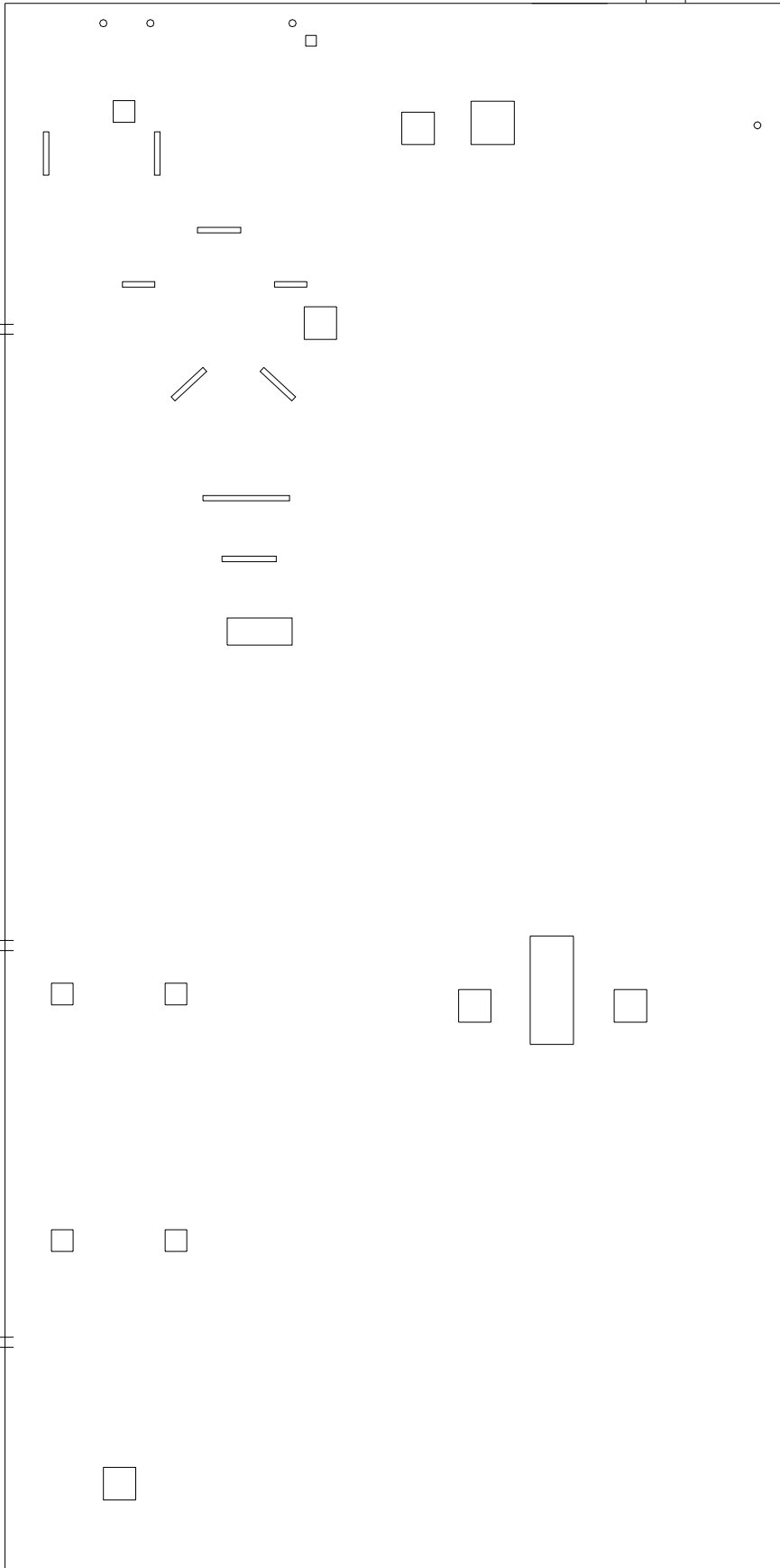
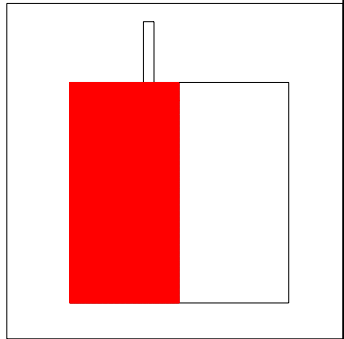
C **388** sf



SYMBOLS KEY

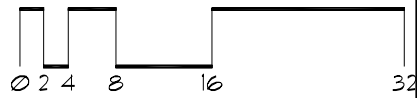


Roof Corrective Action

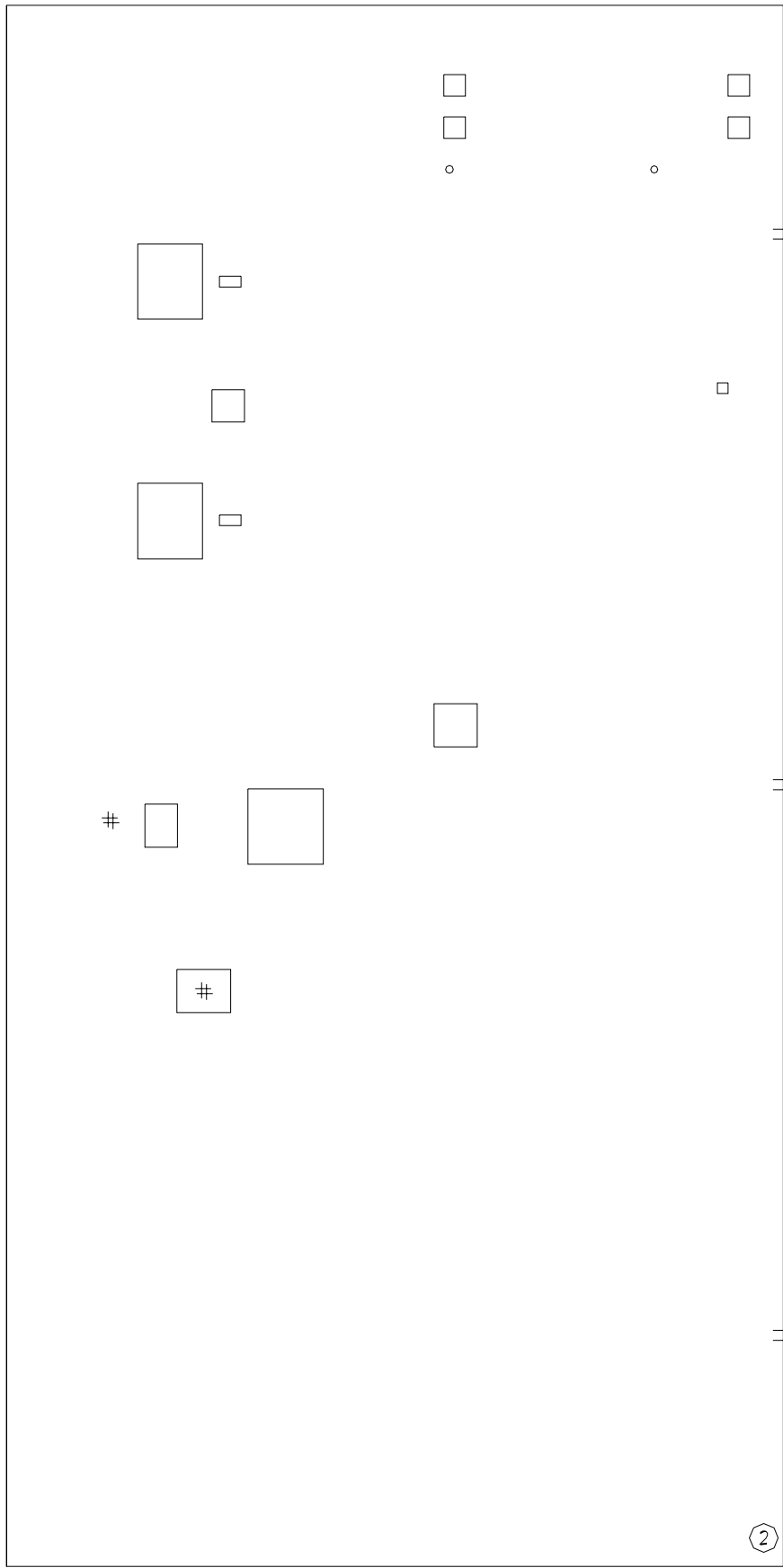
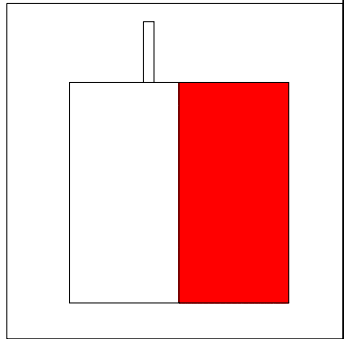


SYMBOLS KEY

- ROOF CURB
- VENT STACK
- ⊕ SCUPPER
- I LADDER
- SLEEPER CURB
- ◻ DEFECT-REPAIR



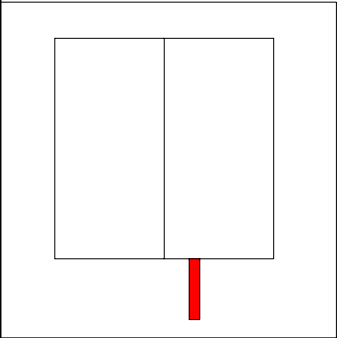
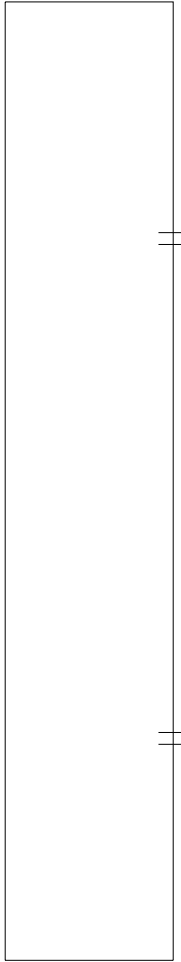
Roof Corrective Action



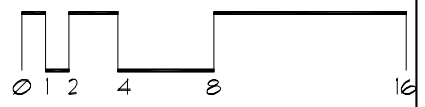
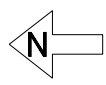
SYMBOLS KEY	
□	ROOF CURB
○	VENT STACK
⊕	SCUPPER
#	PITCH PAN
⓪	DEFECT-NO REPAIR
Ⓛ	DEFECT-REPAIR



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER



Roof ID

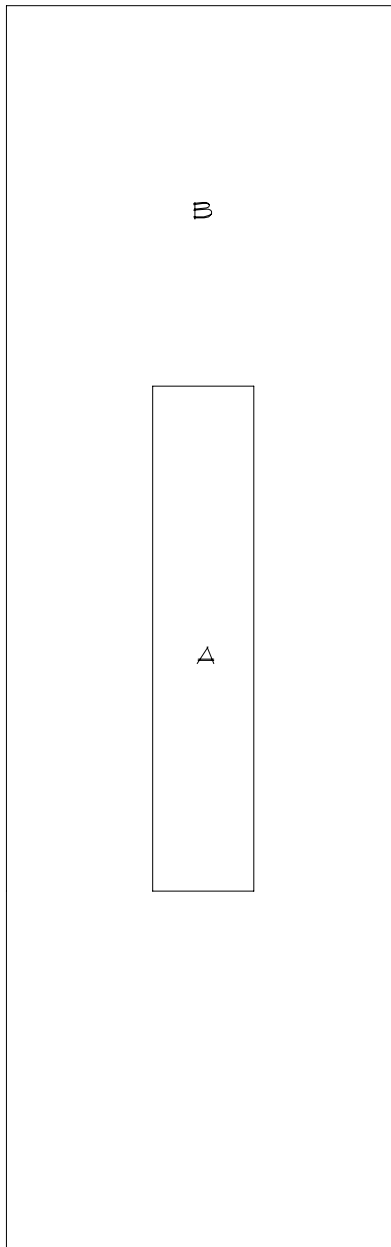
Building: SP389 - Crops Research - (1895 Hendon Ave St. Paul)

Roof Access: Penthouse area A

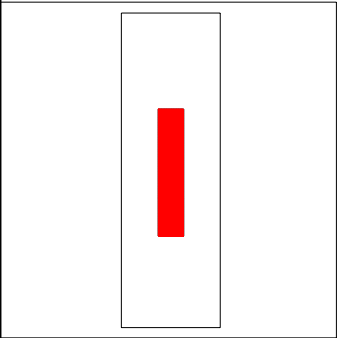
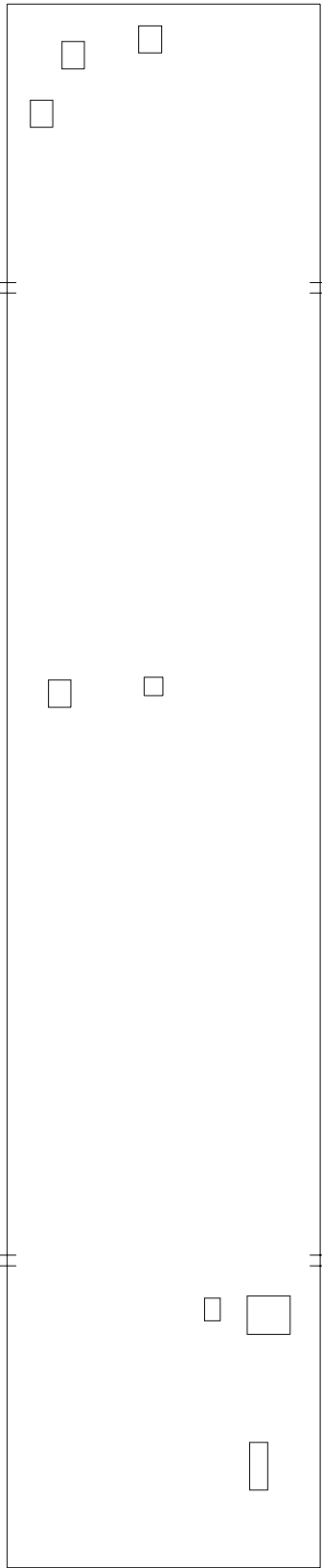
Total Area: 13,860 sf

A 1,445 sf

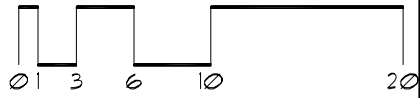
B 12,415 sf



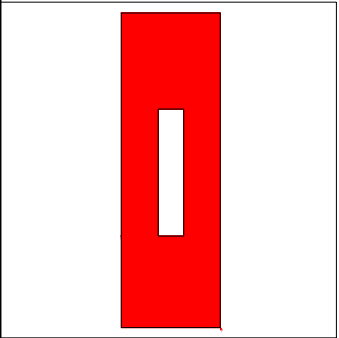
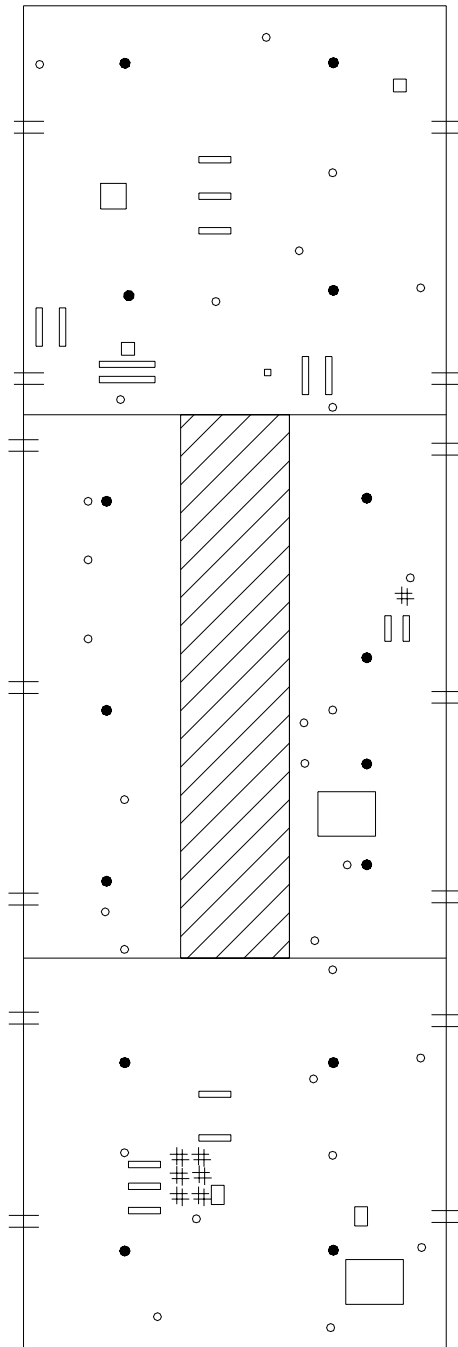
Roof Corrective Action



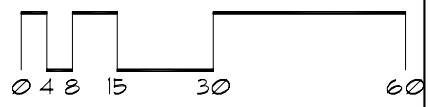
SYMBOLS KEY
□ ROOF CURB
‡ SCUPPER



Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - # PITCH PAN
 - Ⓢ DEFECT-REPAIR



Roof ID

Building: SP392 - Sheep Research - (1794 Dudley Ave)

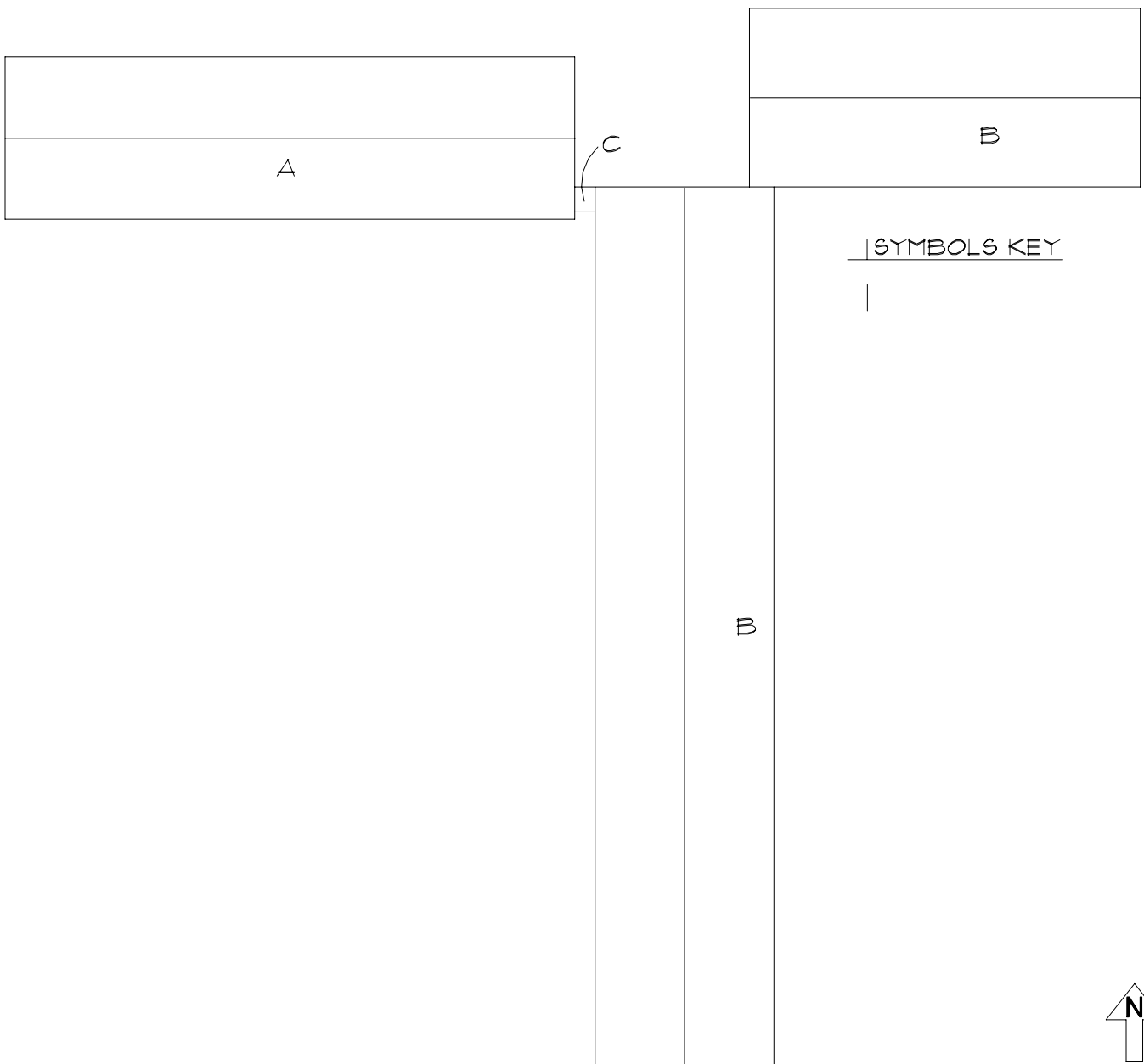
Roof Access: Ladder

Total Area: 25,736 sf

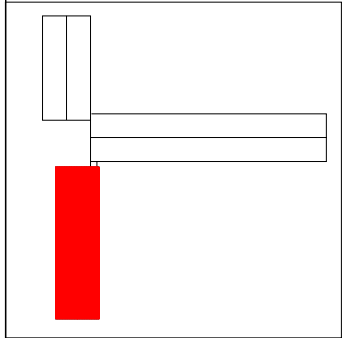
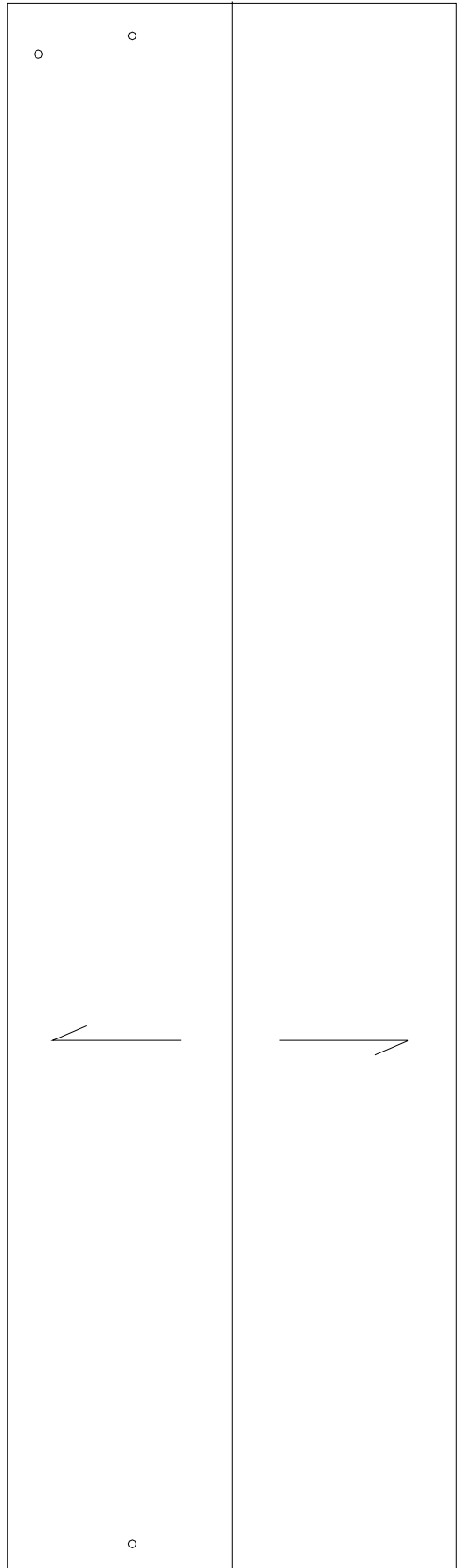
A 7,448 sf

B 18,258 sf

C 30 sf



Roof Corrective Action

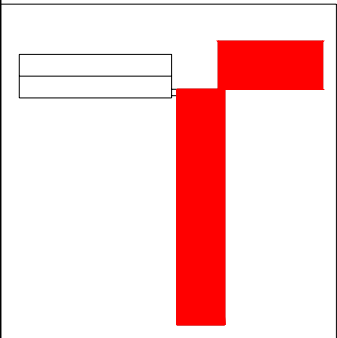
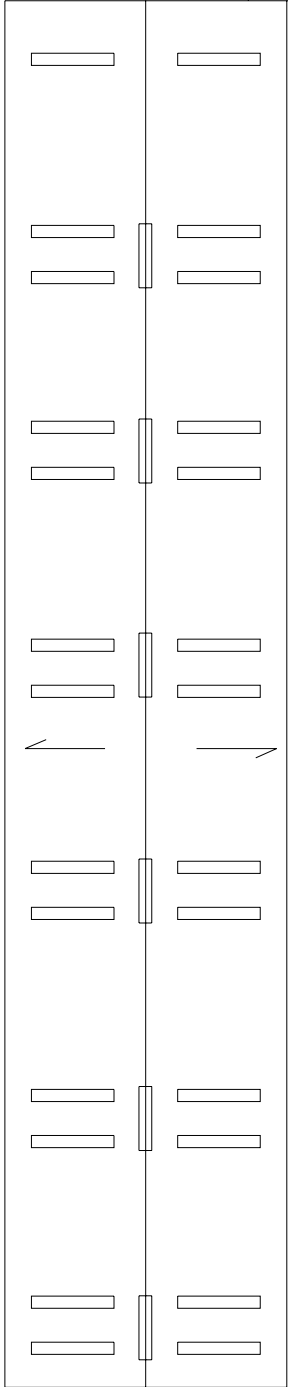
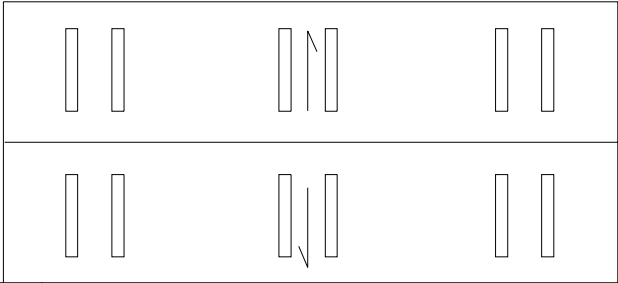


SYMBOLS KEY

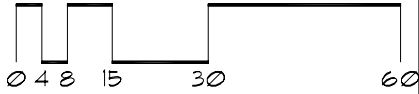
	SLOPE DIRECTION
	VENT STACK
	DEFECT-REPAIR



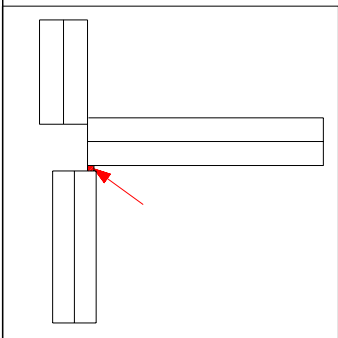
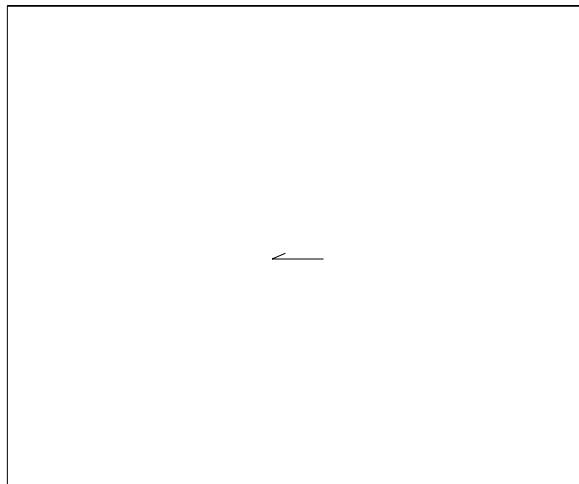
Roof Corrective Action



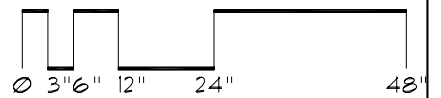
SYMBOLS KEY
 → SLOPE DIRECTION
 DEFECT-REPAIR



Roof Corrective Action



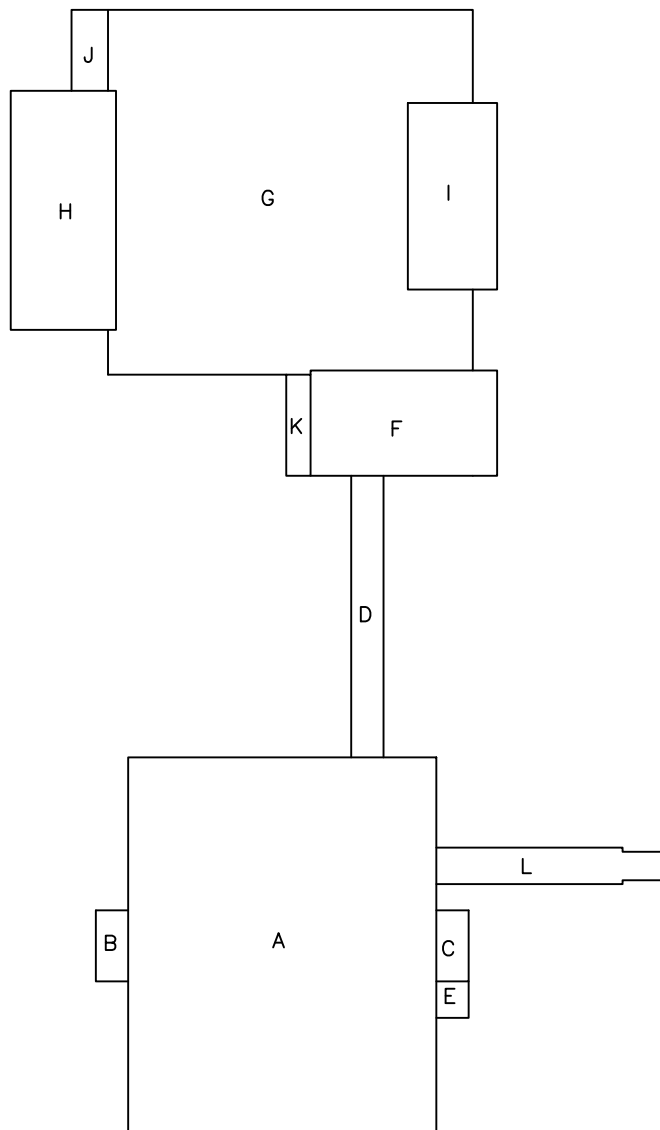
SYMBOLS KEY
→ SLOPE DIRECTION



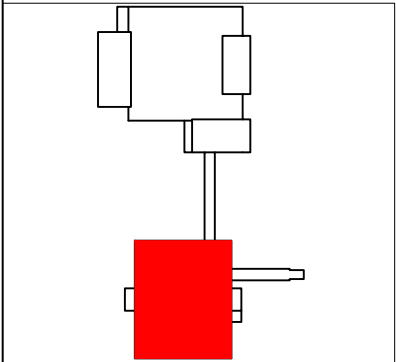
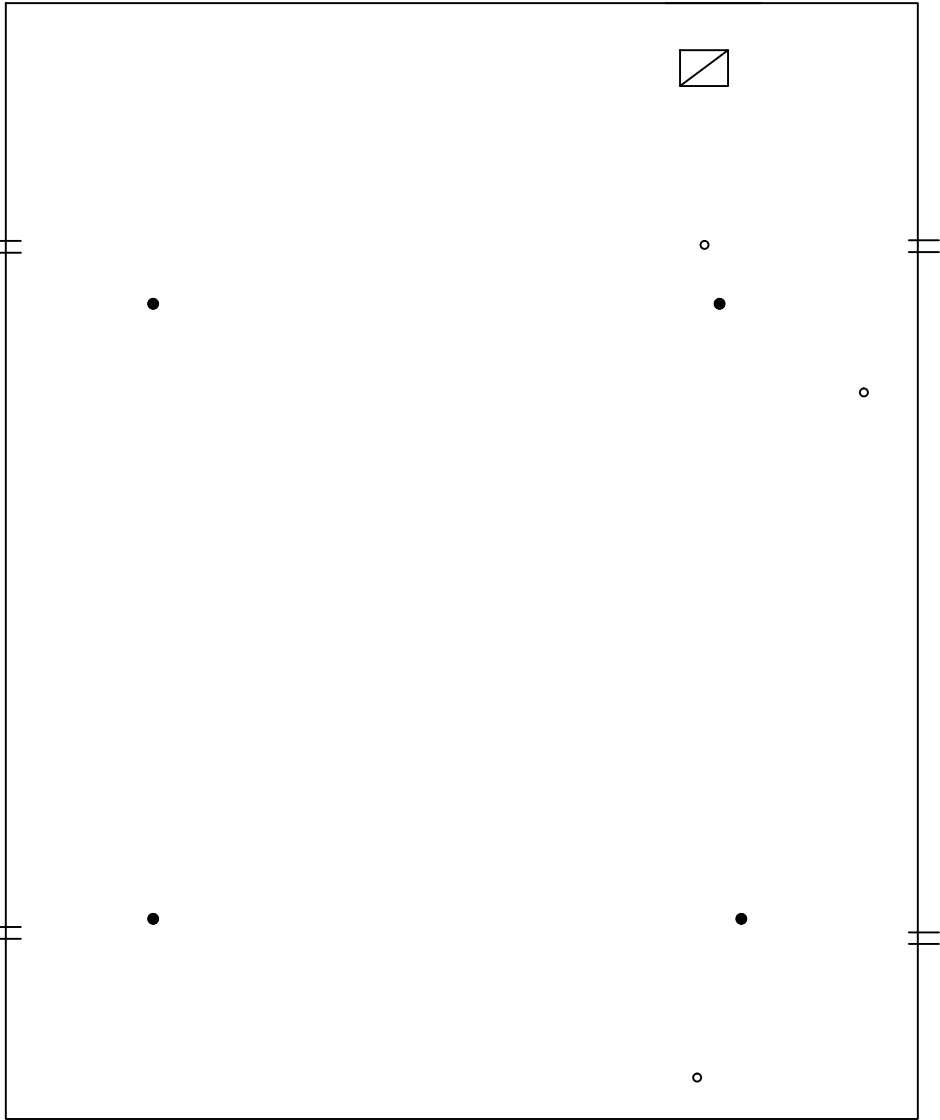
Roof ID

Building: 02.393 - Hodson Hall - (1980 Folwell Ave.)
Roof Access: Elevator to Penthouse, direct door access
Total SF: 19,594 sf

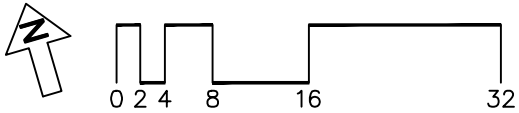
A:	7,063 sf	J:	220 sf
B:	140 sf	K:	200 sf
C:	140 sf	L:	491 sf
D:	556 sf		
E:	72 sf		
F:	1,196 sf		
G:	6,970 sf		
H:	1,534 sf		
I:	1,012 sf		



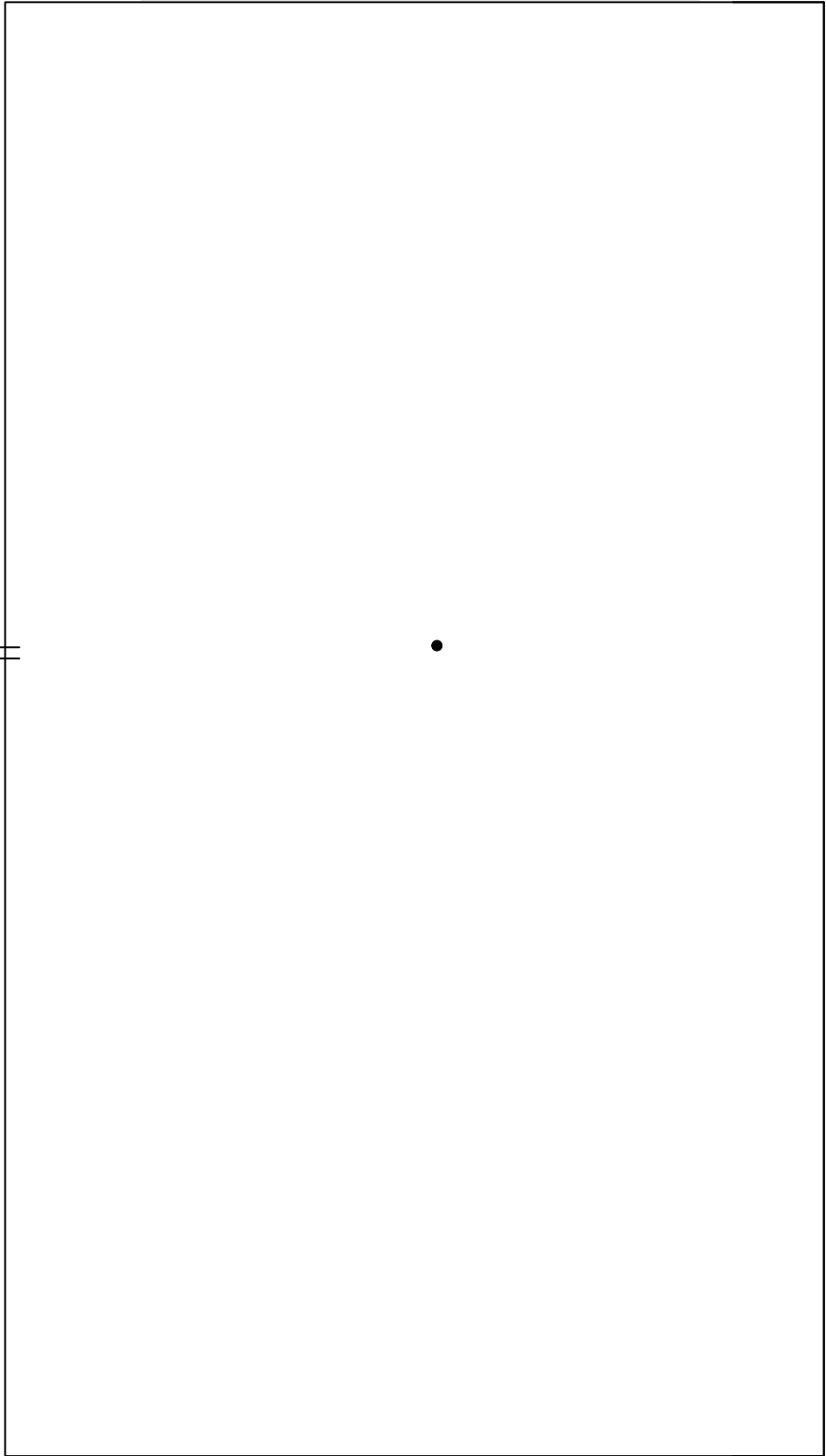
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - † SCUPPER
 - VENT
 - ▣ ROOF HATCH

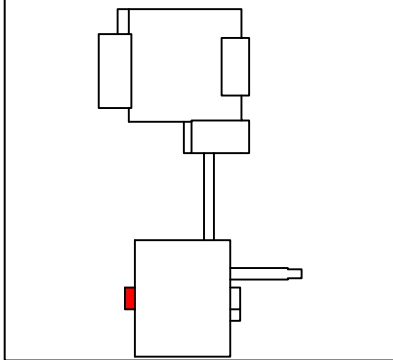


Roof Corrective Action

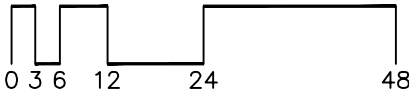


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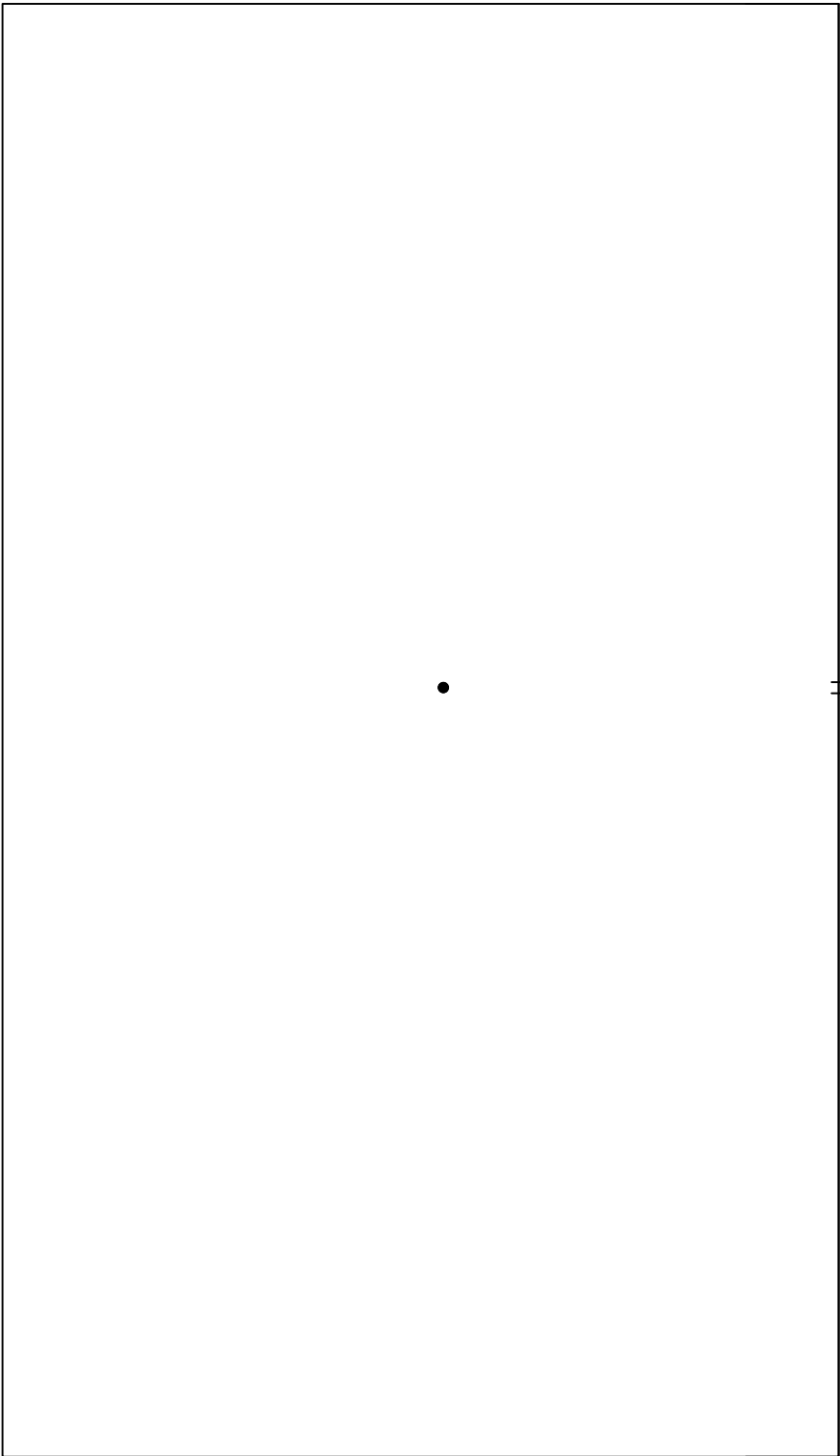
•



SYMBOLS KEY	
•	ROOF DRAIN
≡	SCUPPER

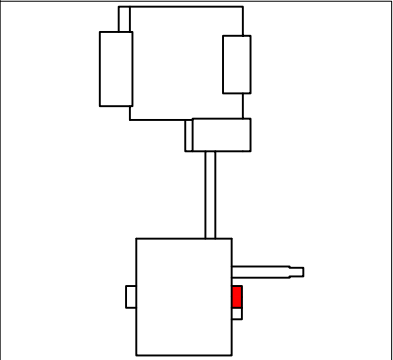


Roof Corrective Action

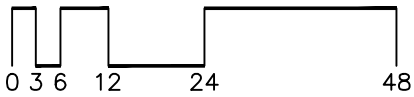


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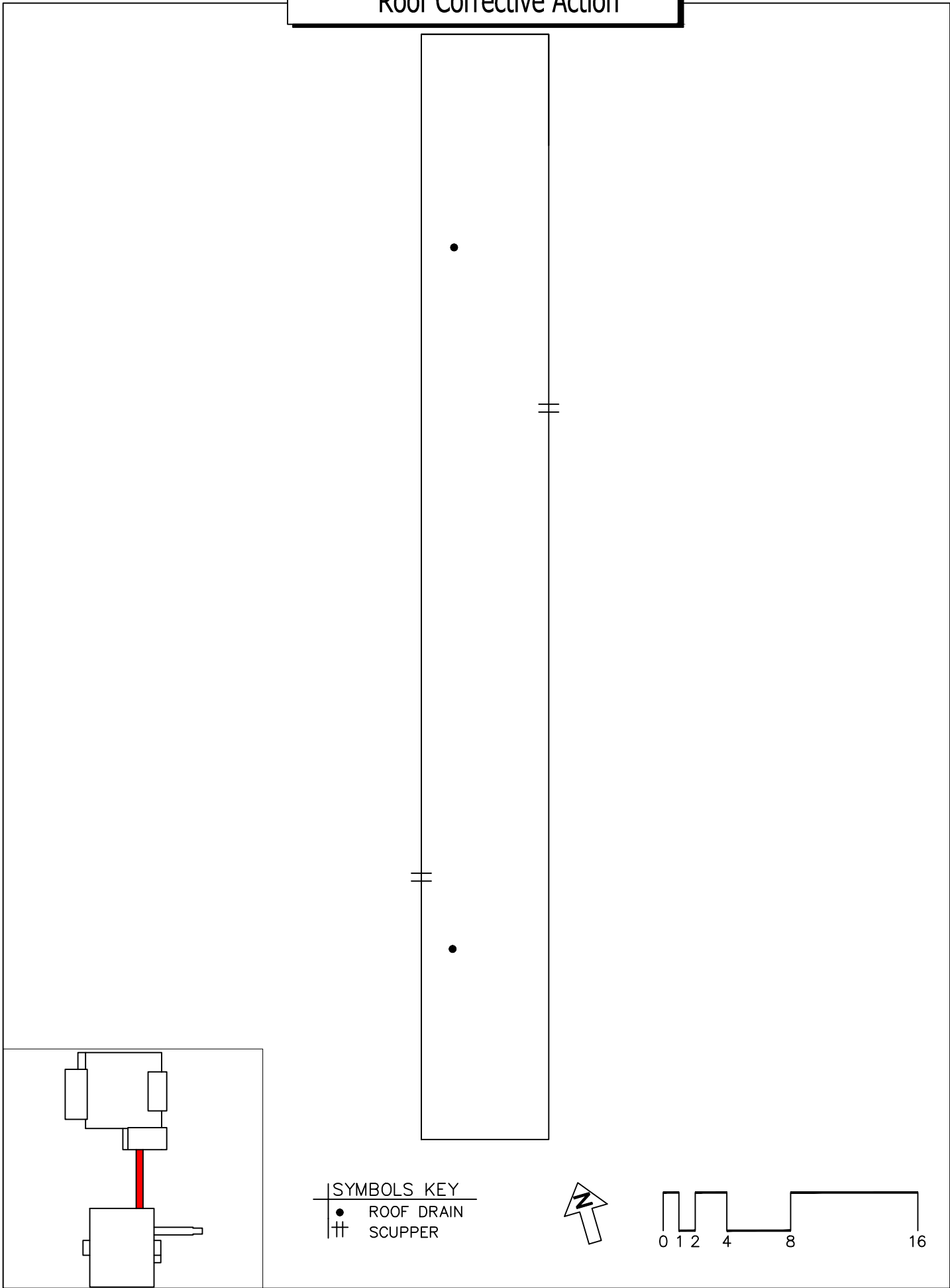
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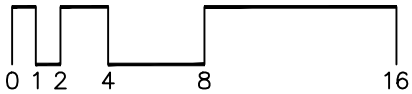
SYMBOLS KEY	
•	ROOF DRAIN
††	SCUPPER



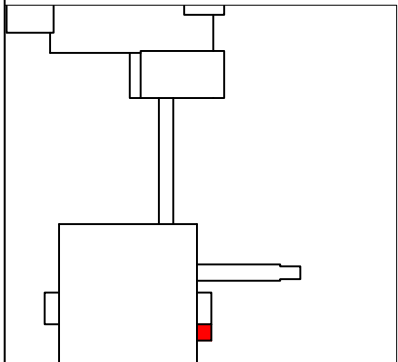
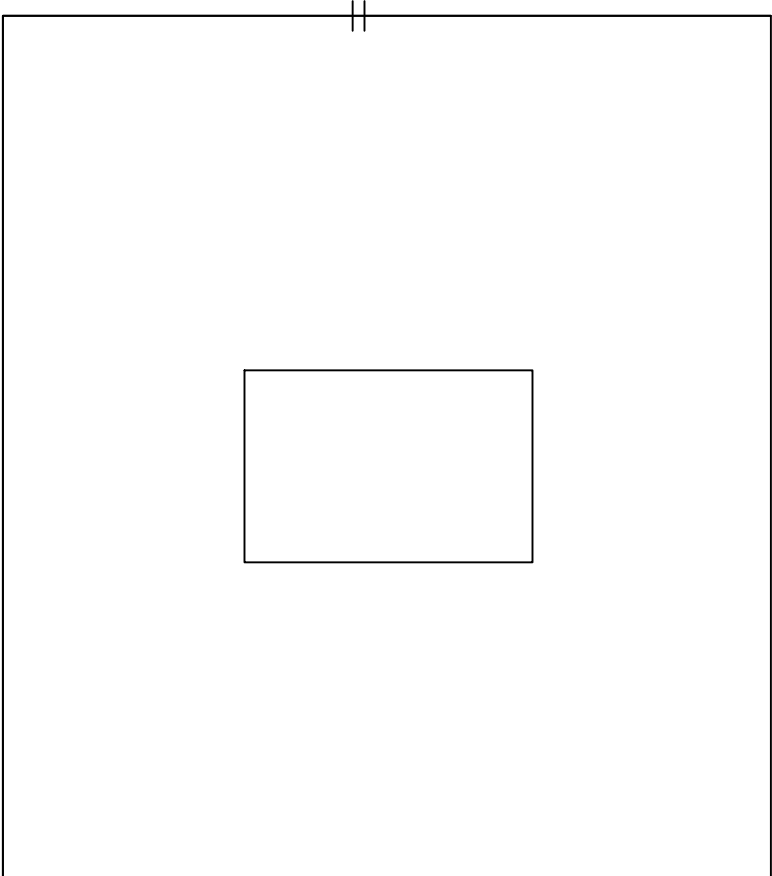
Roof Corrective Action



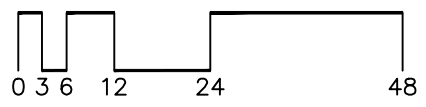
SYMBOLS KEY
● ROOF DRAIN
≡ SCUPPER



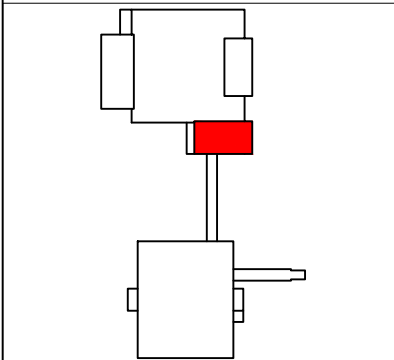
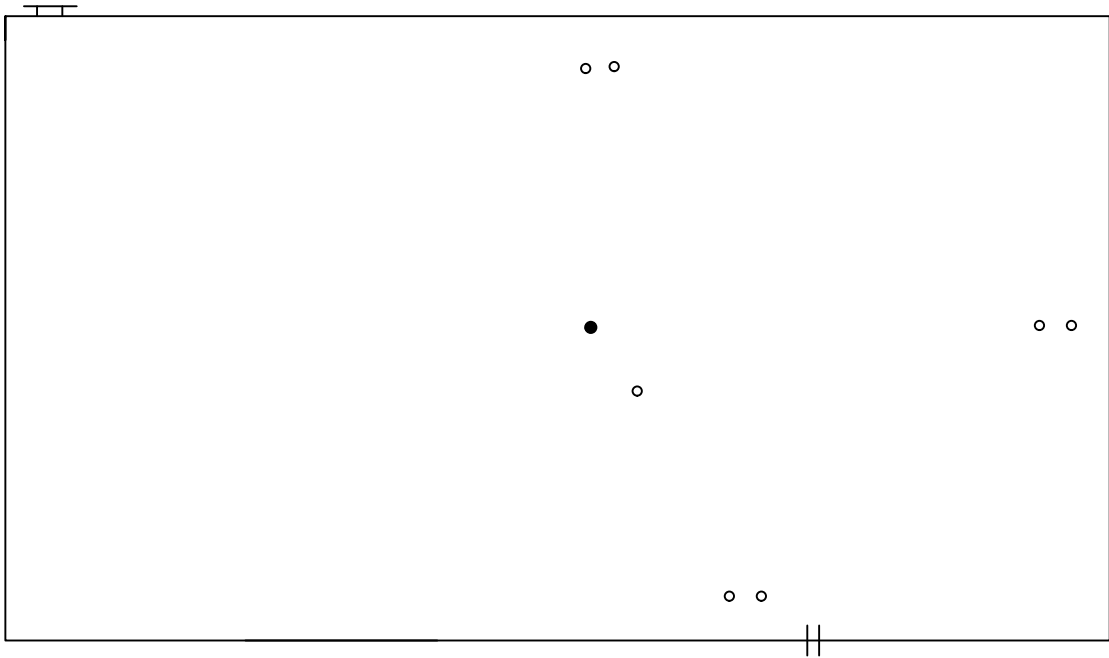
Roof Corrective Action



SYMBOLS KEY
□ ROOF CURB
⊥ SCUPPER

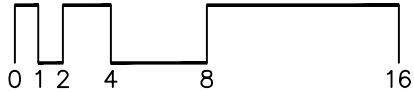


Roof Corrective Action

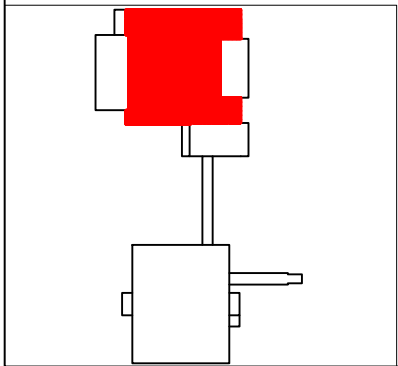
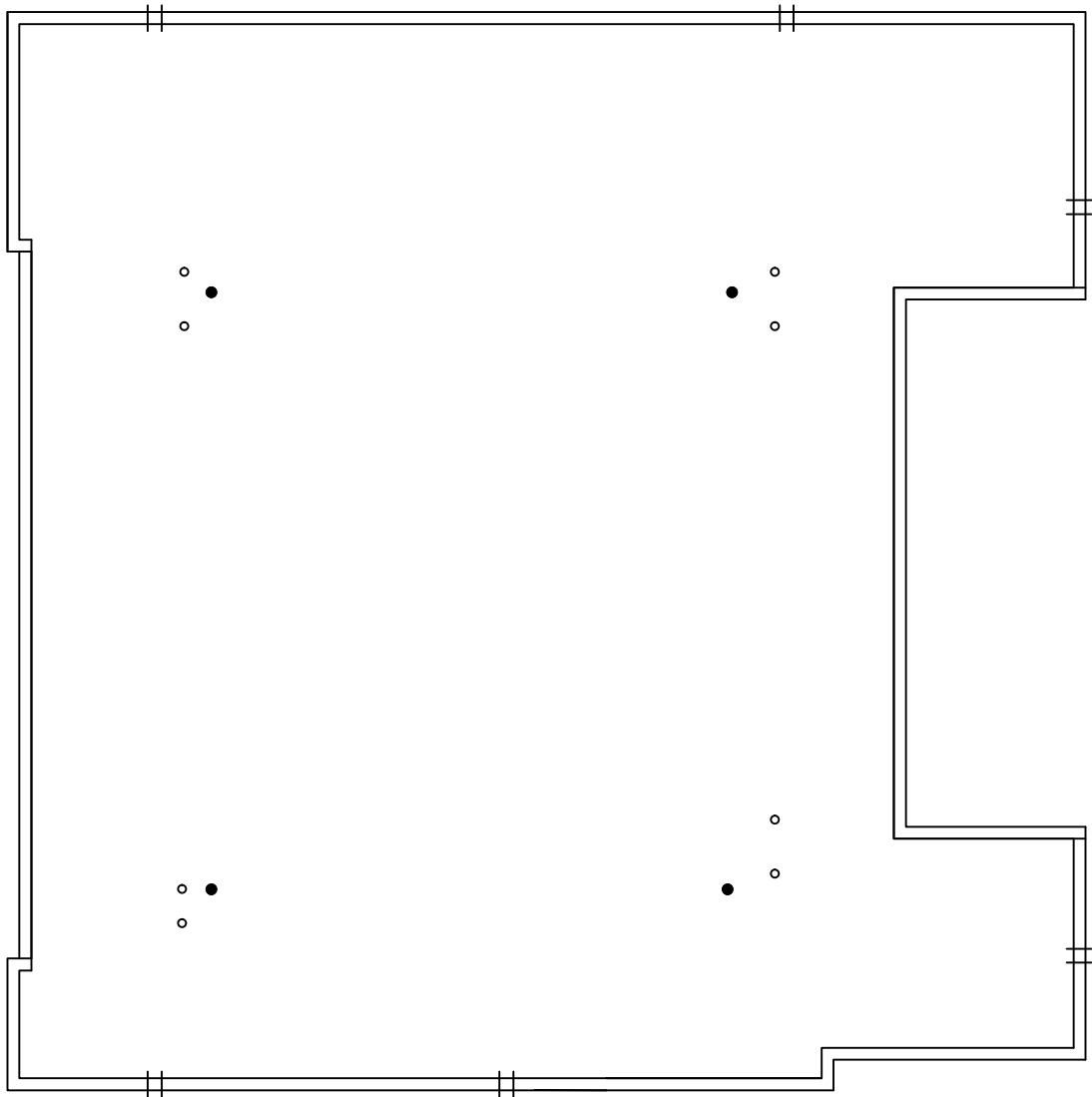


SYMBOLS KEY

TT	SHIPSLADDER
●	ROOF DRAIN
	SCUPPER
○	VENT

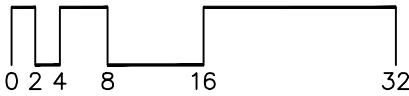


Roof Corrective Action

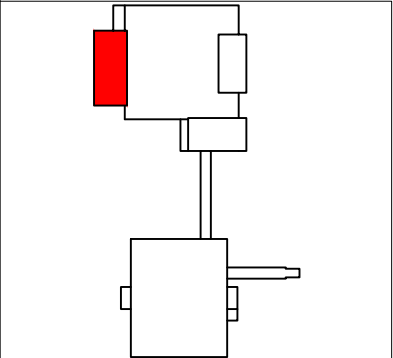
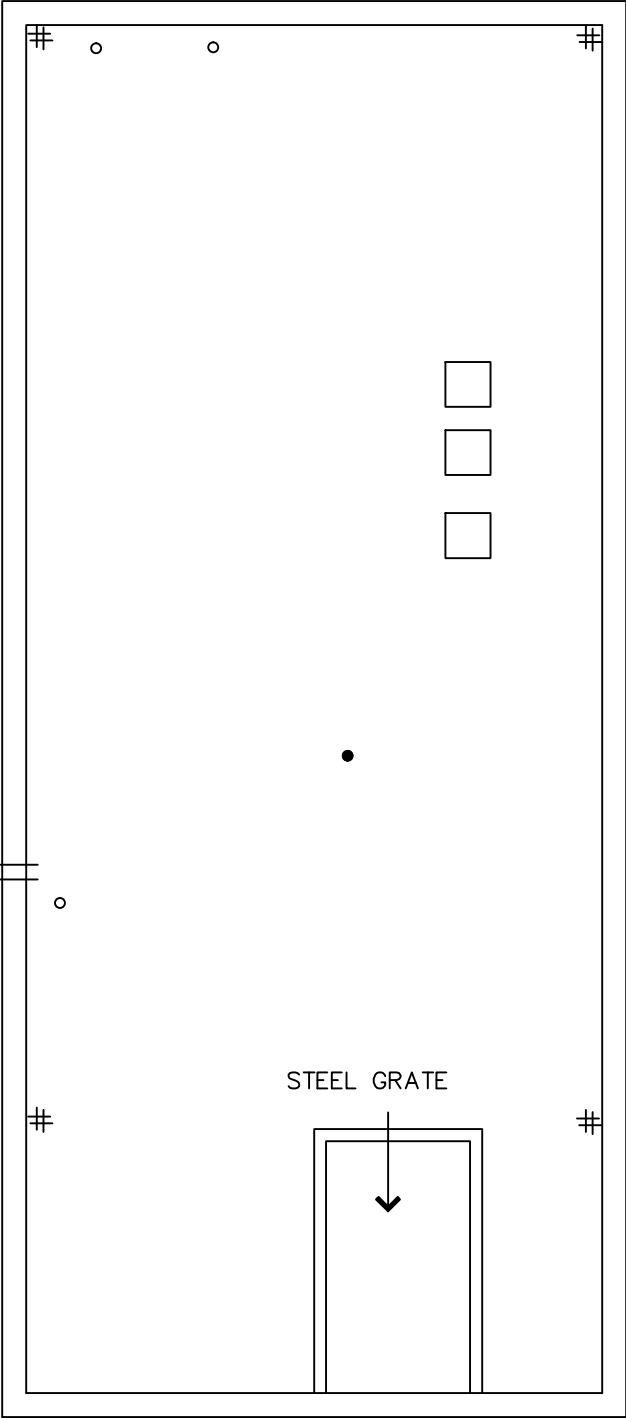


SYMBOLS KEY

●	ROOF DRAIN
≡	SCUPPER
○	VENT

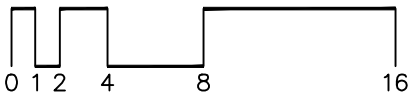


Roof Corrective Action

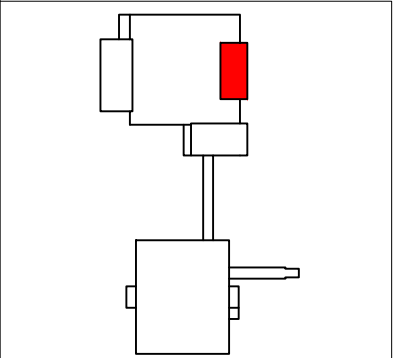
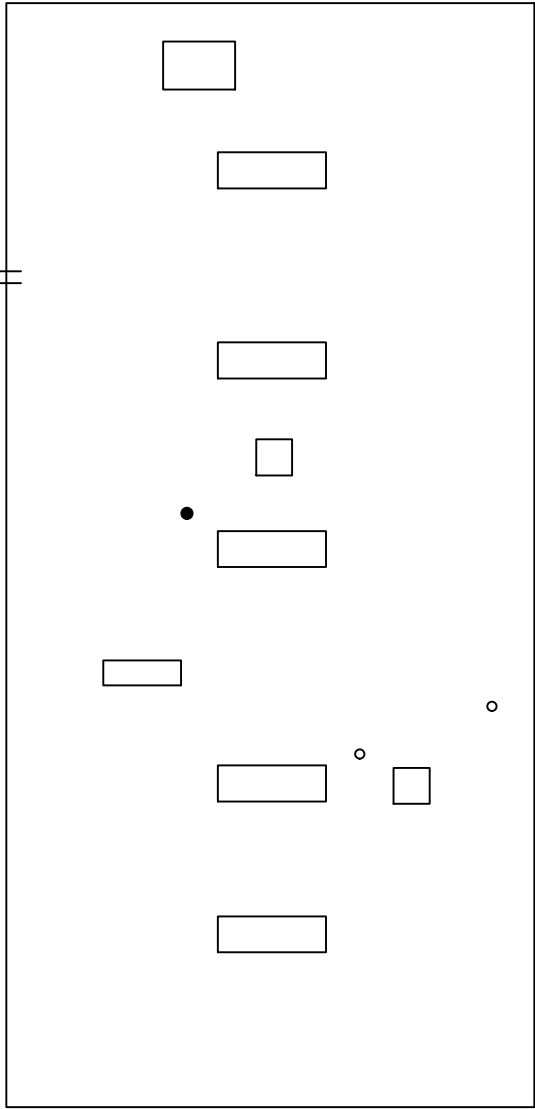


SYMBOLS KEY

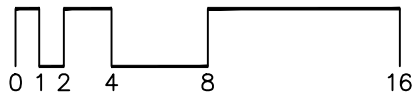
□	ROOF CURB
#	PITCH PAN
†	SCUPPER
o	VENT
●	ROOF DRAIN



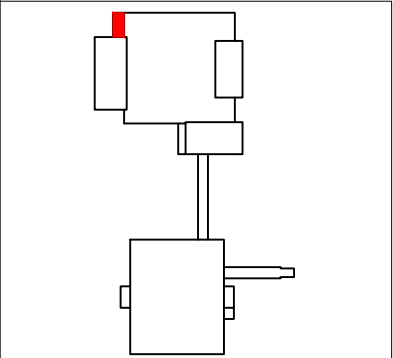
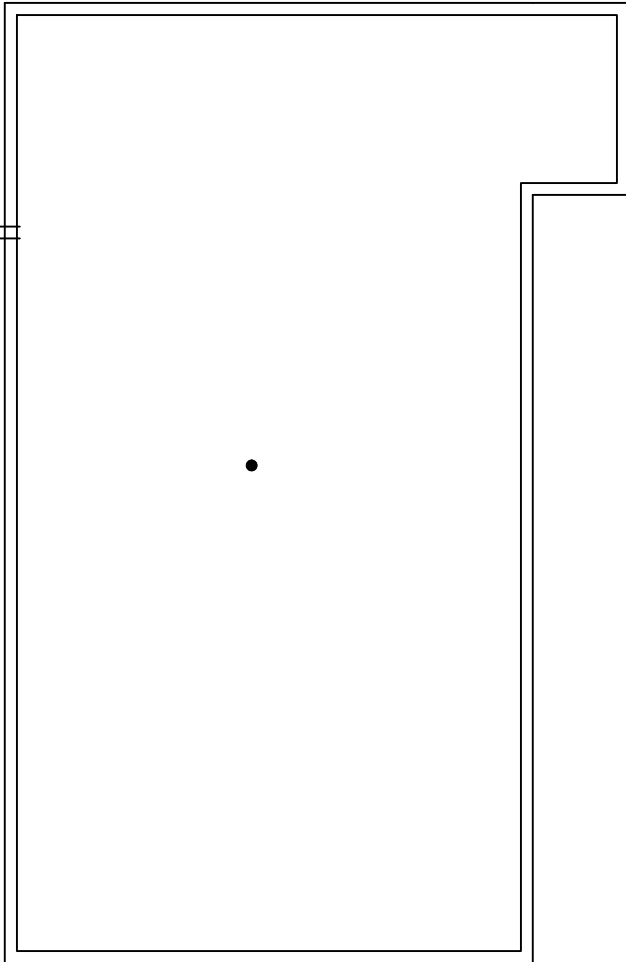
Roof Corrective Action



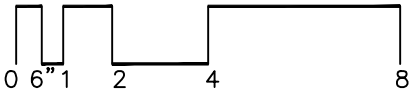
- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - ⊥ SCUPPER
 - VENT



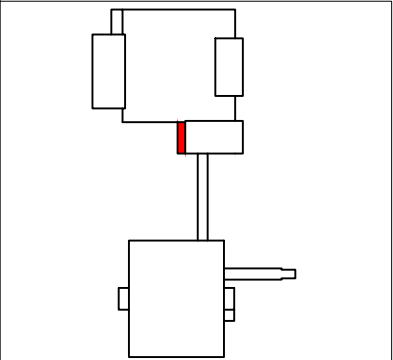
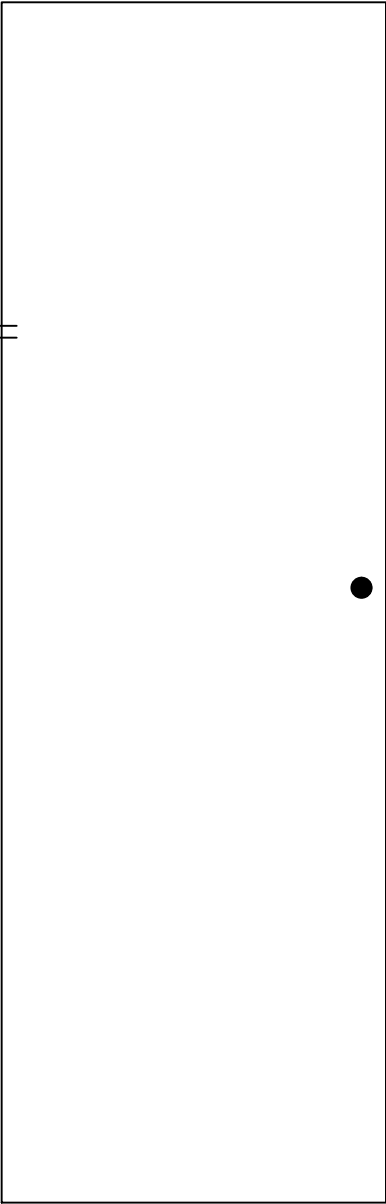
Roof Corrective Action



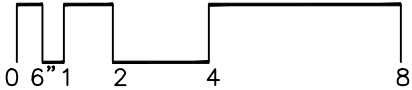
SYMBOLS KEY
● ROOF DRAIN
⊥ SCUPPER



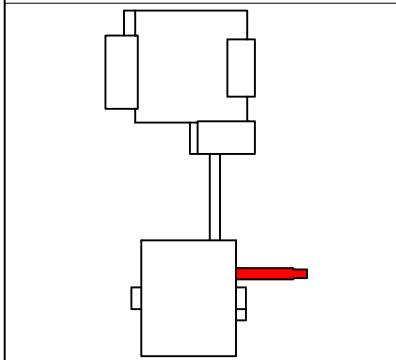
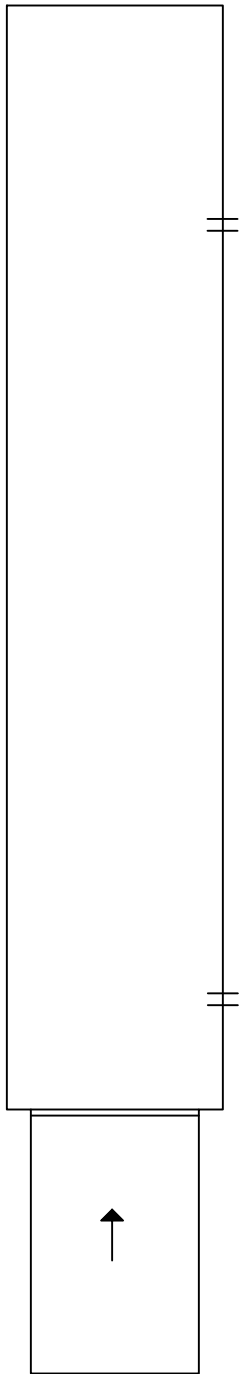
Roof Corrective Action



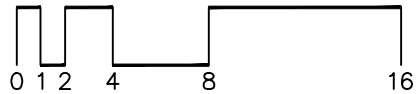
SYMBOLS KEY
● ROOF DRAIN
⊥ SCUPPER



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
→ SLOPE DIRECTION



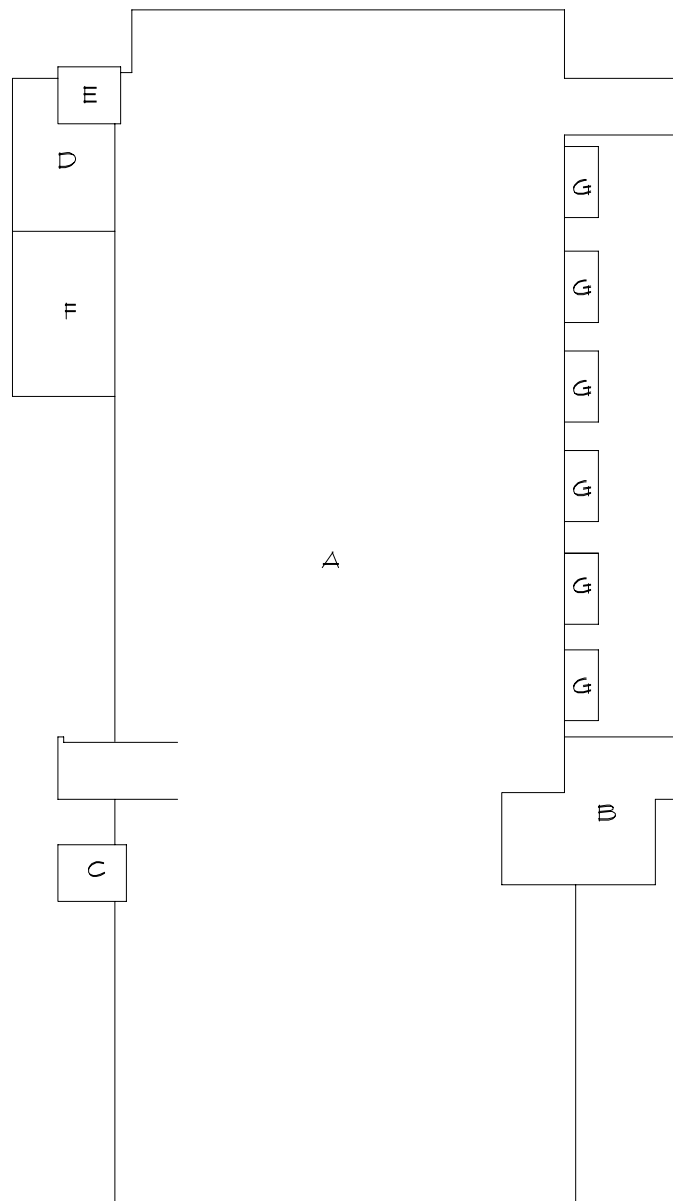
Roof ID

Building: SP394 - Alderman Hall - (1920 Folwell Ave. St. Paul)

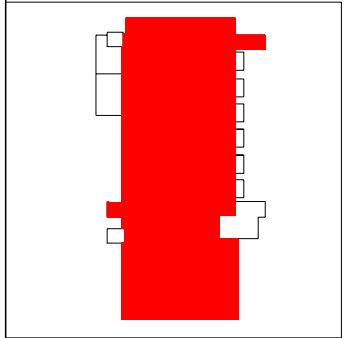
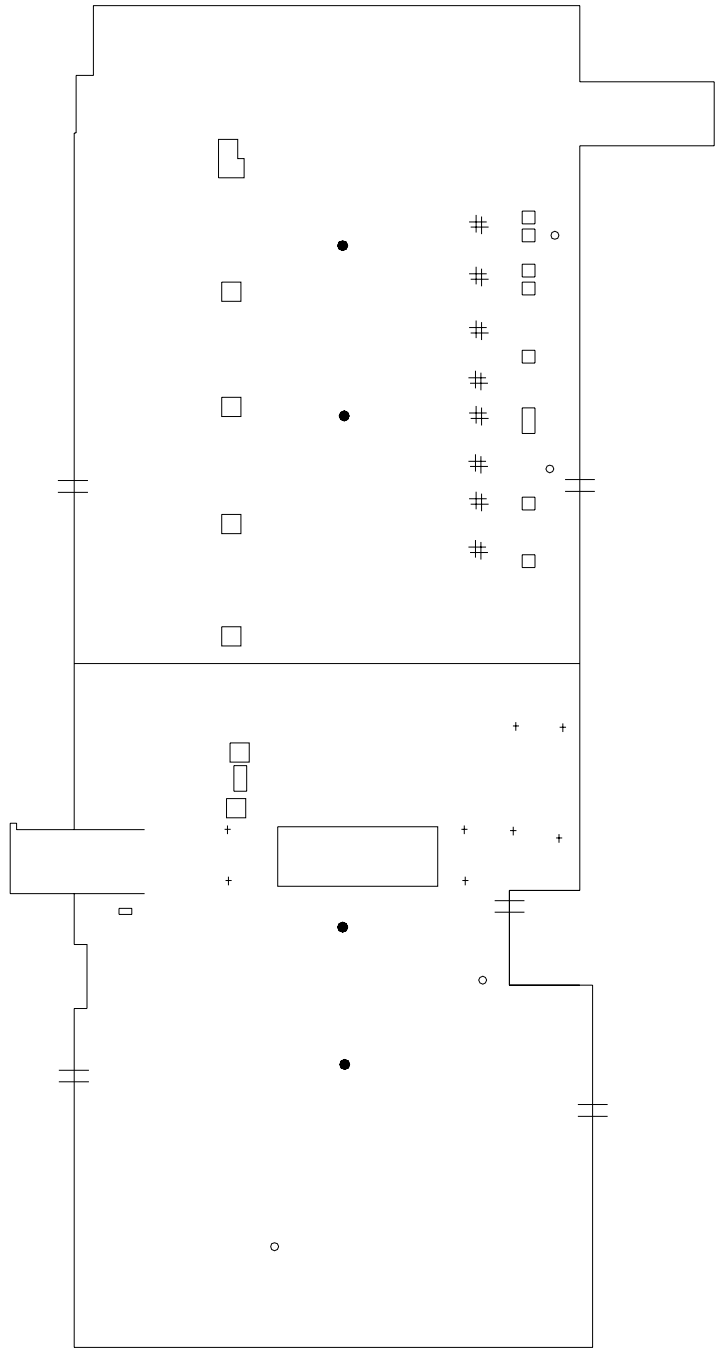
Roof Access: Stairwell below area B out penthouse door

Total Area: 17,684 sf

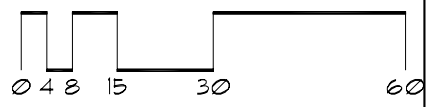
A	15,516 sf	E	81 sf
B	637 sf	F	442 sf
C	196 sf	G	450 sf
D	362 sf		



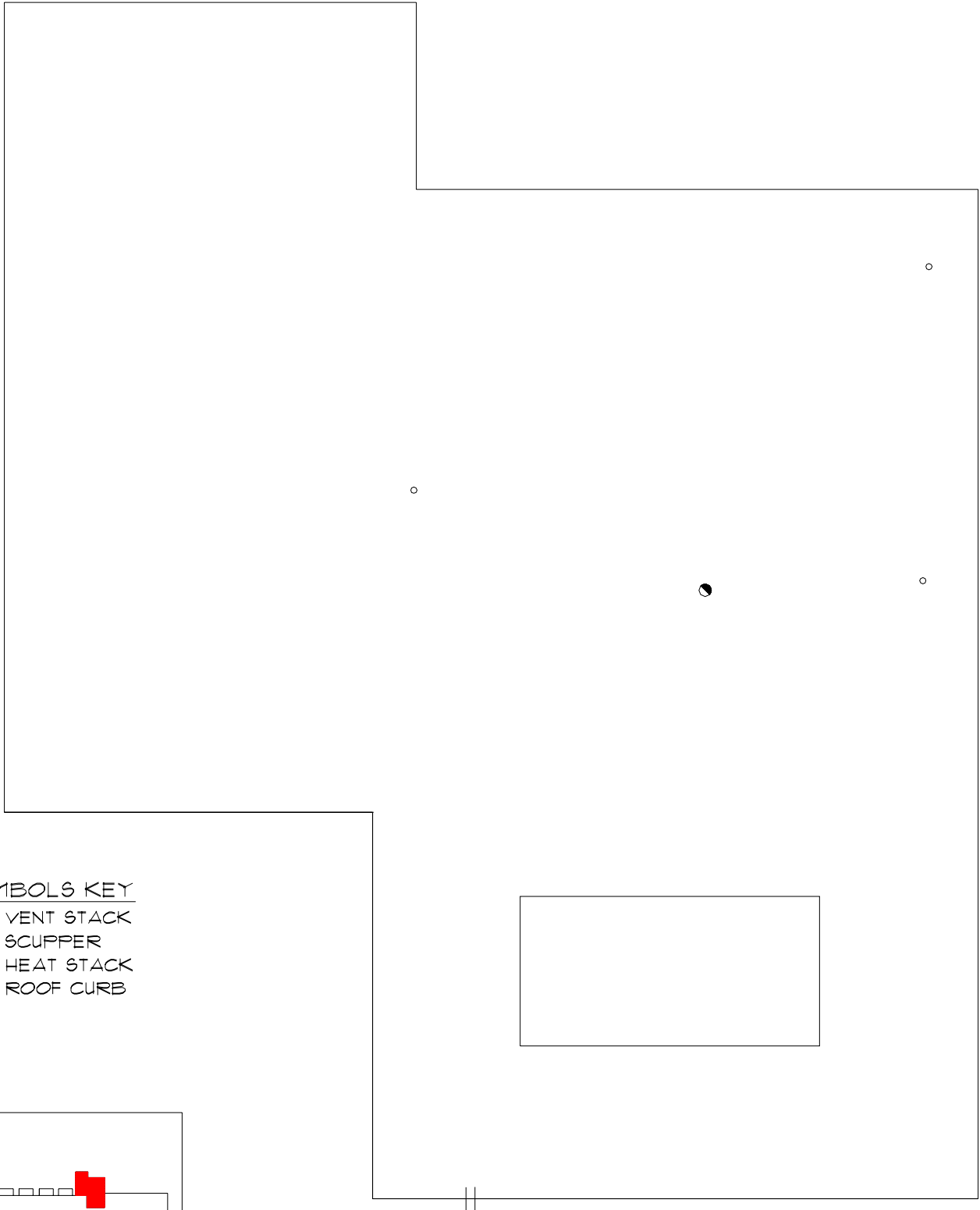
Roof Corrective Action



- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - # PITCH PAN
 - † SCUPPER
 - Ⓡ DEFECT-REPAIR

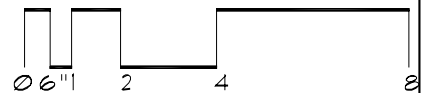
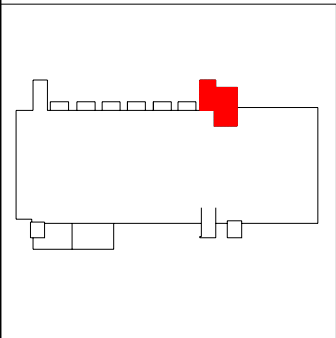


Roof Corrective Action

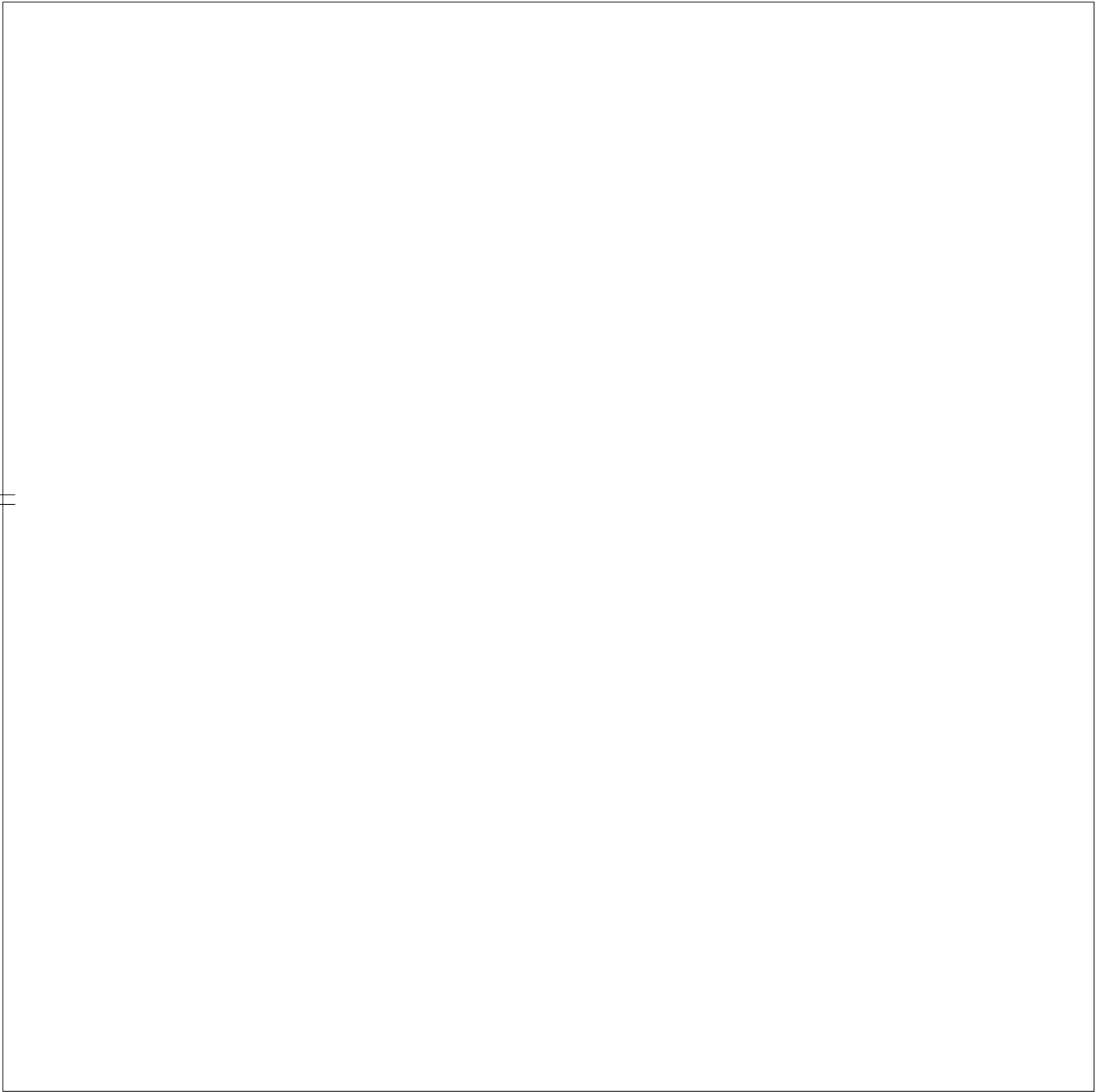


SYMBOLS KEY

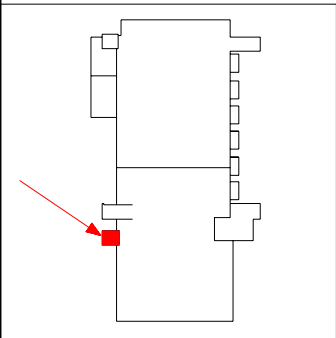
- VENT STACK
- ⊥ SCUPPER
- HEAT STACK
- ROOF CURB



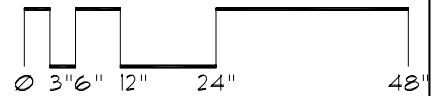
Roof Corrective Action



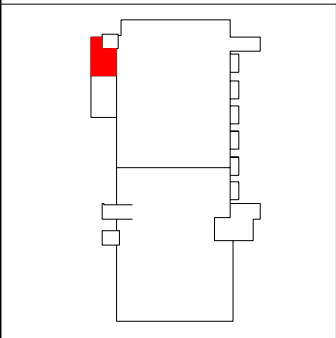
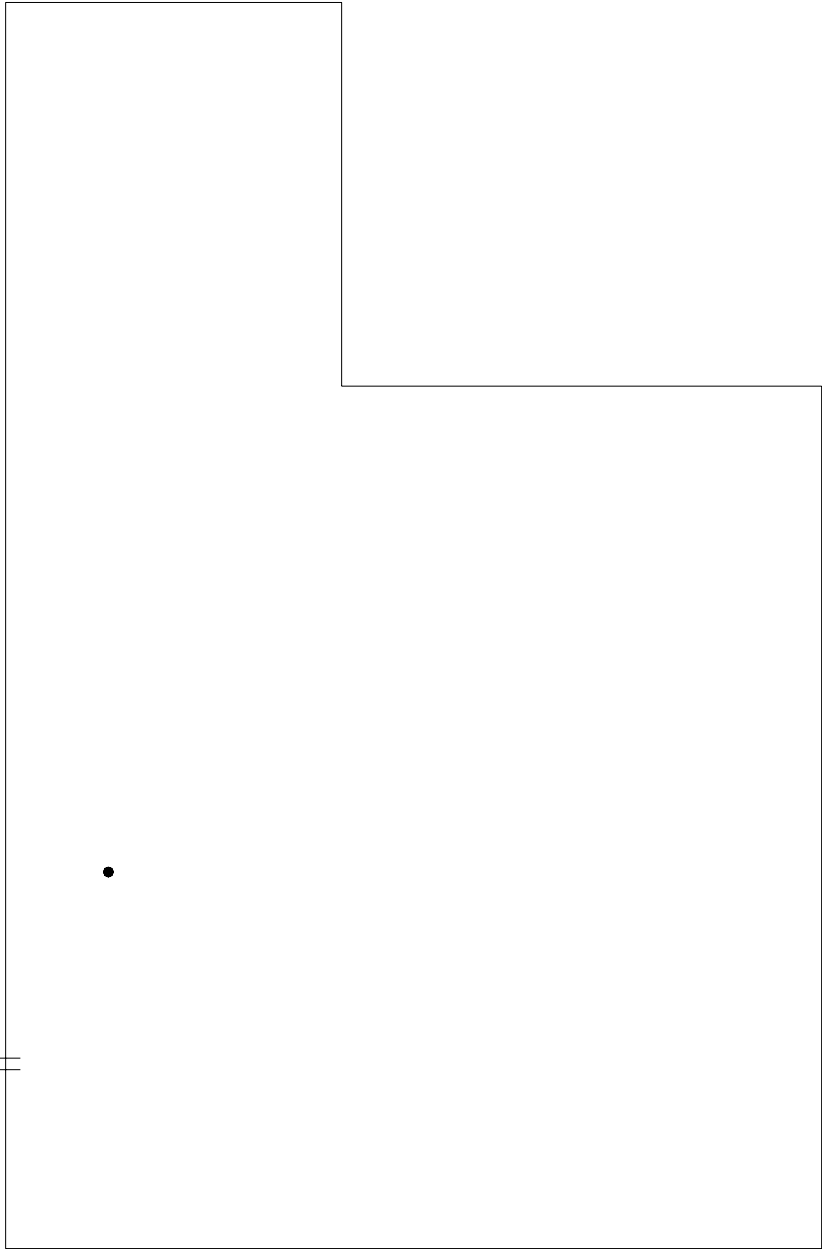
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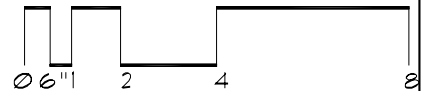
SYMBOLS KEY
|| SCUPPER



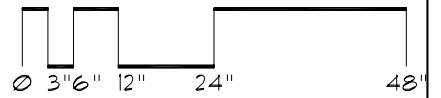
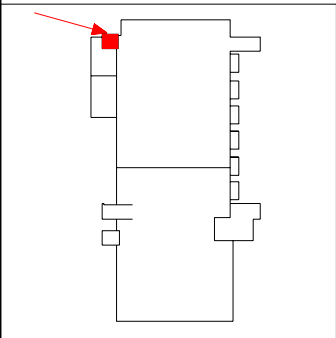
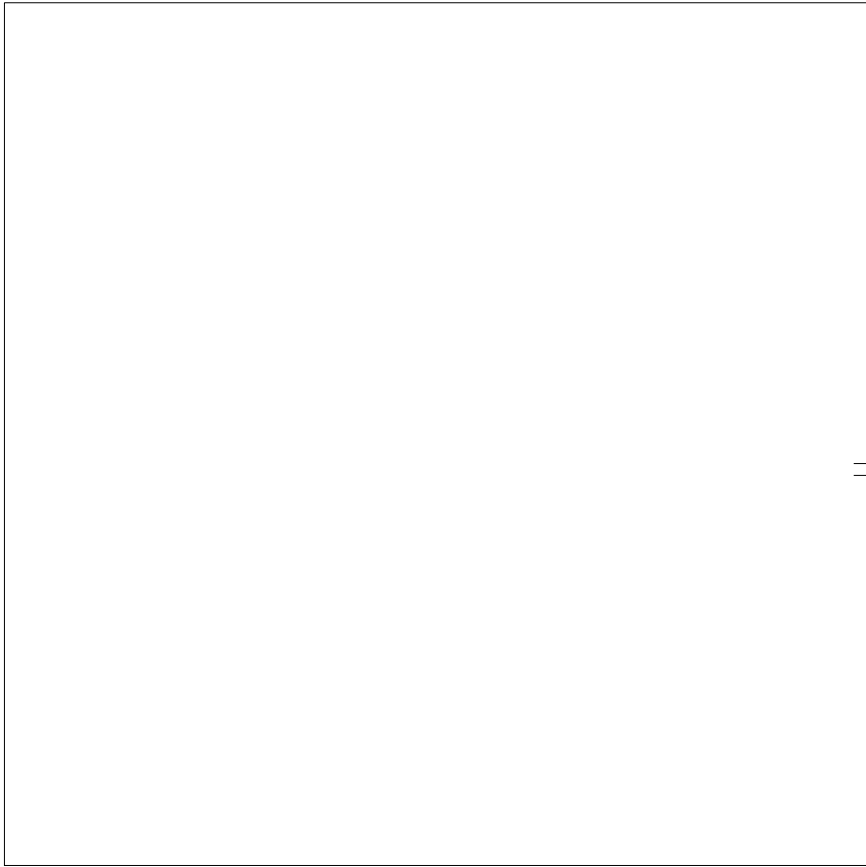
Roof Corrective Action



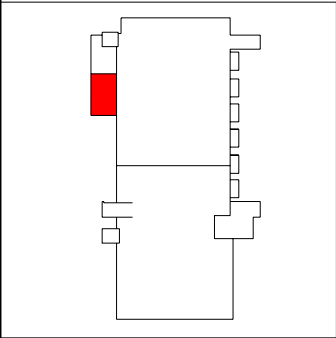
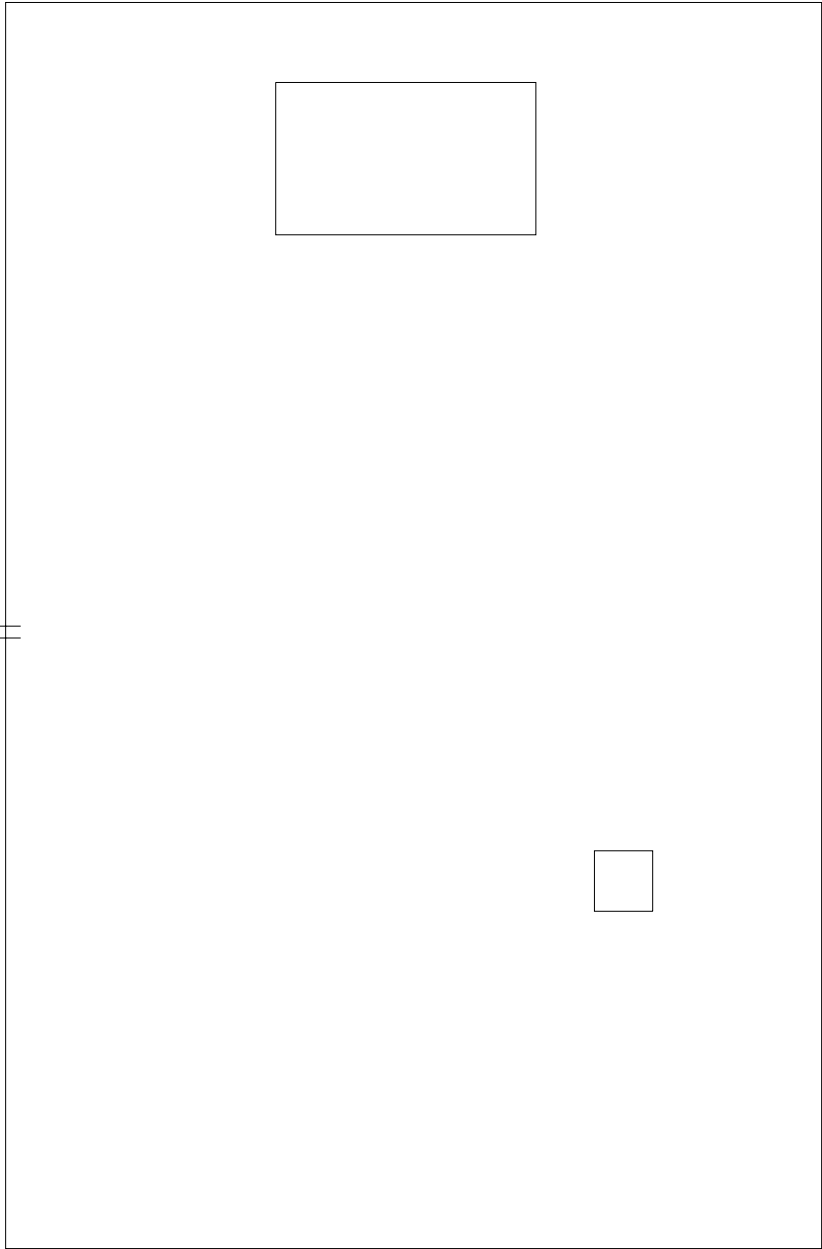
- SYMBOLS KEY
- ROOF DRAIN
 - ≡ SCUPPER
 - Ⓢ DEFECT-REPAIR



Roof Corrective Action

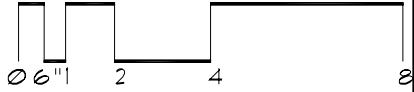


Roof Corrective Action

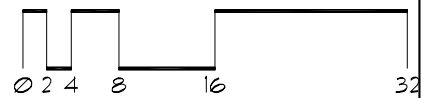
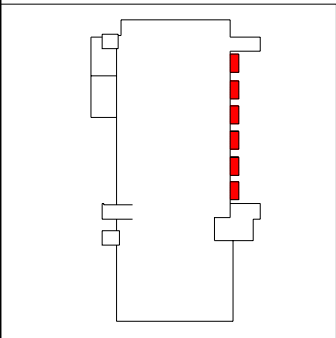


SYMBOLS KEY

- ROOF CURB
- ⦶ SCUPPER
- Ⓢ DEFECT-REPAIR



Roof Corrective Action



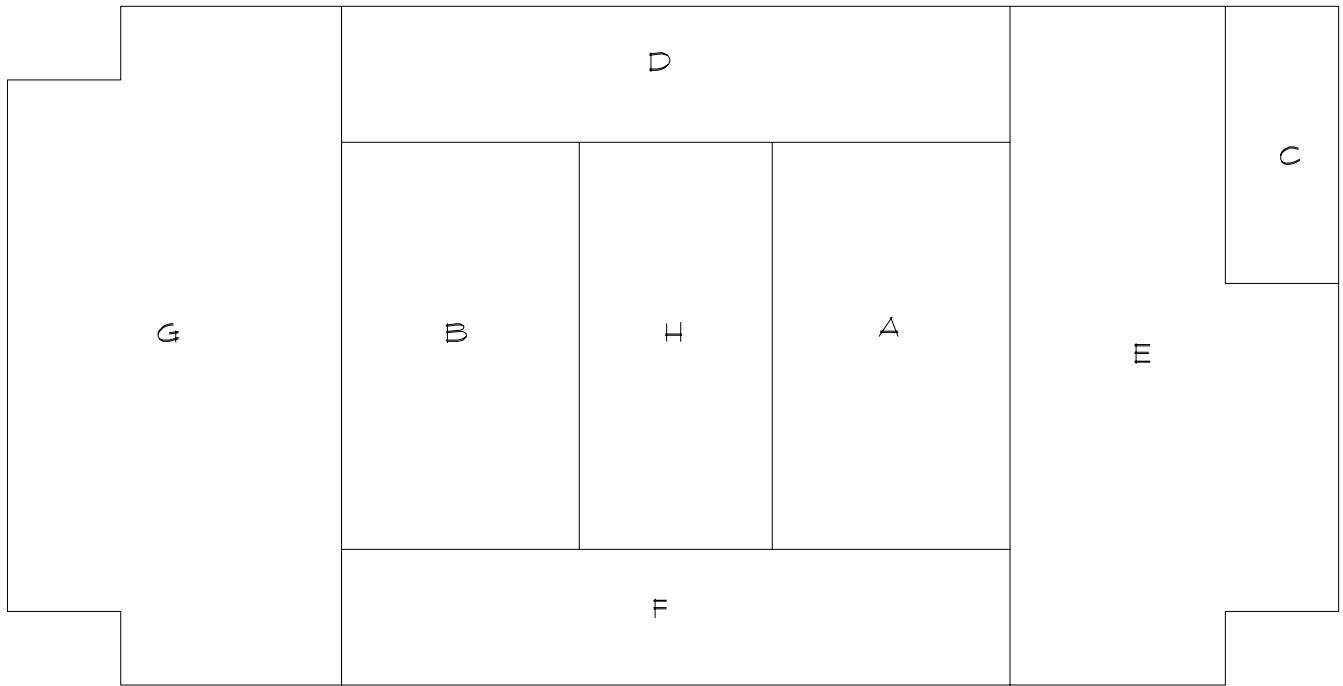
Roof ID

Building: SP396 - Christensen Lab - (1515 Fortner Ave St Paul, Mn)

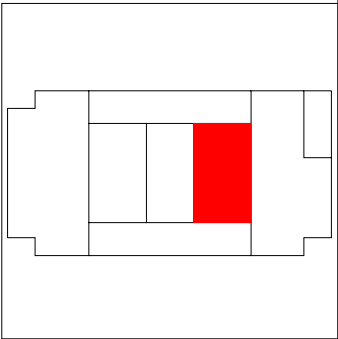
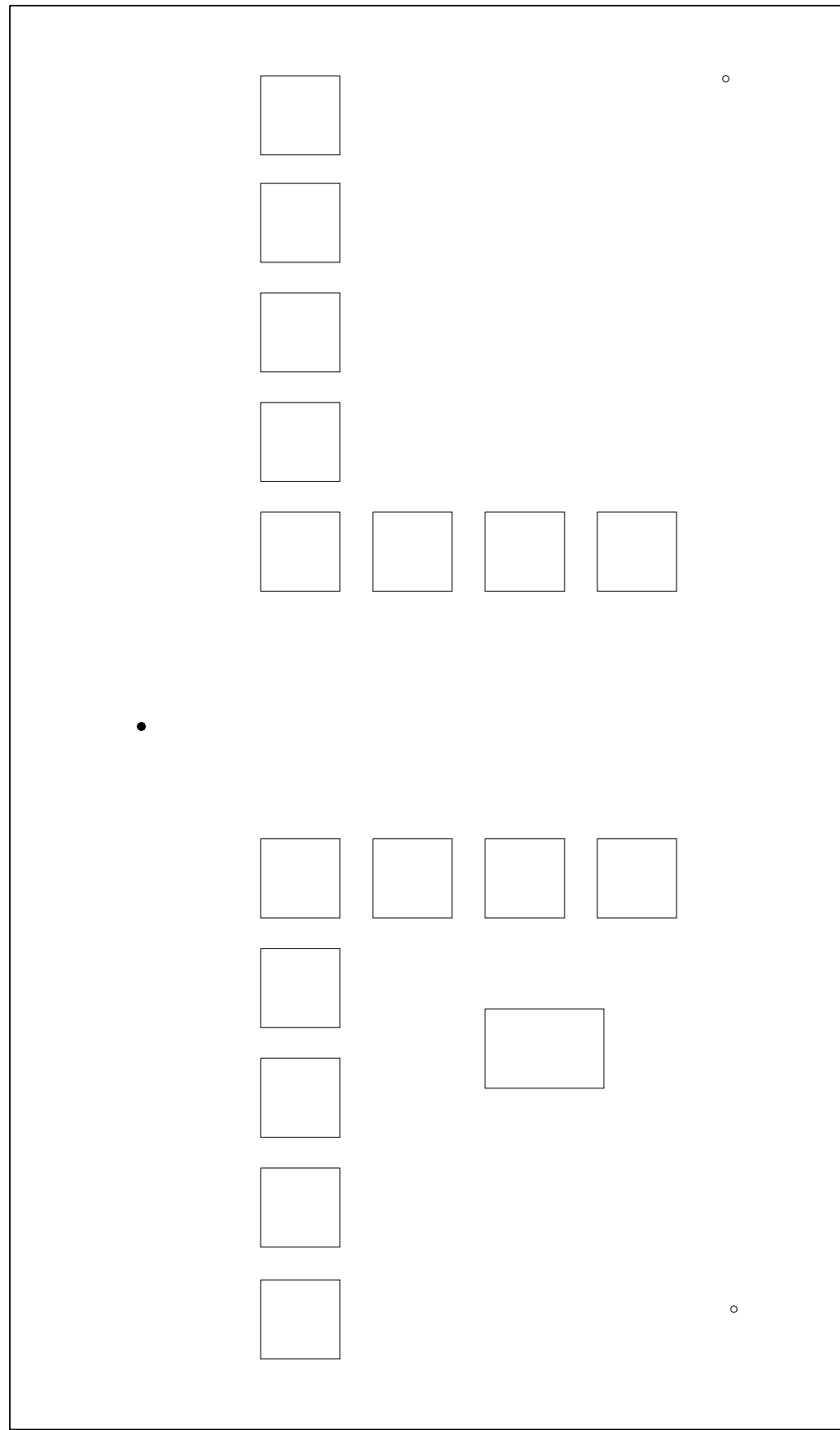
Roof Access: Room 315 penthouse door

Total Area: 6,855 sf

<u>A</u>	<u>756 sf</u>	<u>E</u>	<u>1,430 sf</u>
<u>B</u>	<u>756 sf</u>	<u>F</u>	<u>708 sf</u>
<u>C</u>	<u>245 sf</u>	<u>G</u>	<u>1,640 sf</u>
<u>D</u>	<u>708 sf</u>	<u>H</u>	<u>612 sf</u>

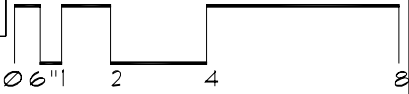
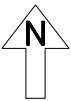


Roof Corrective Action

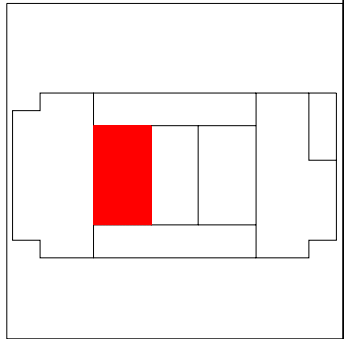


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK

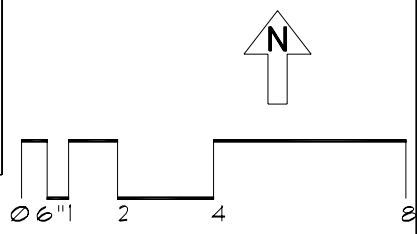
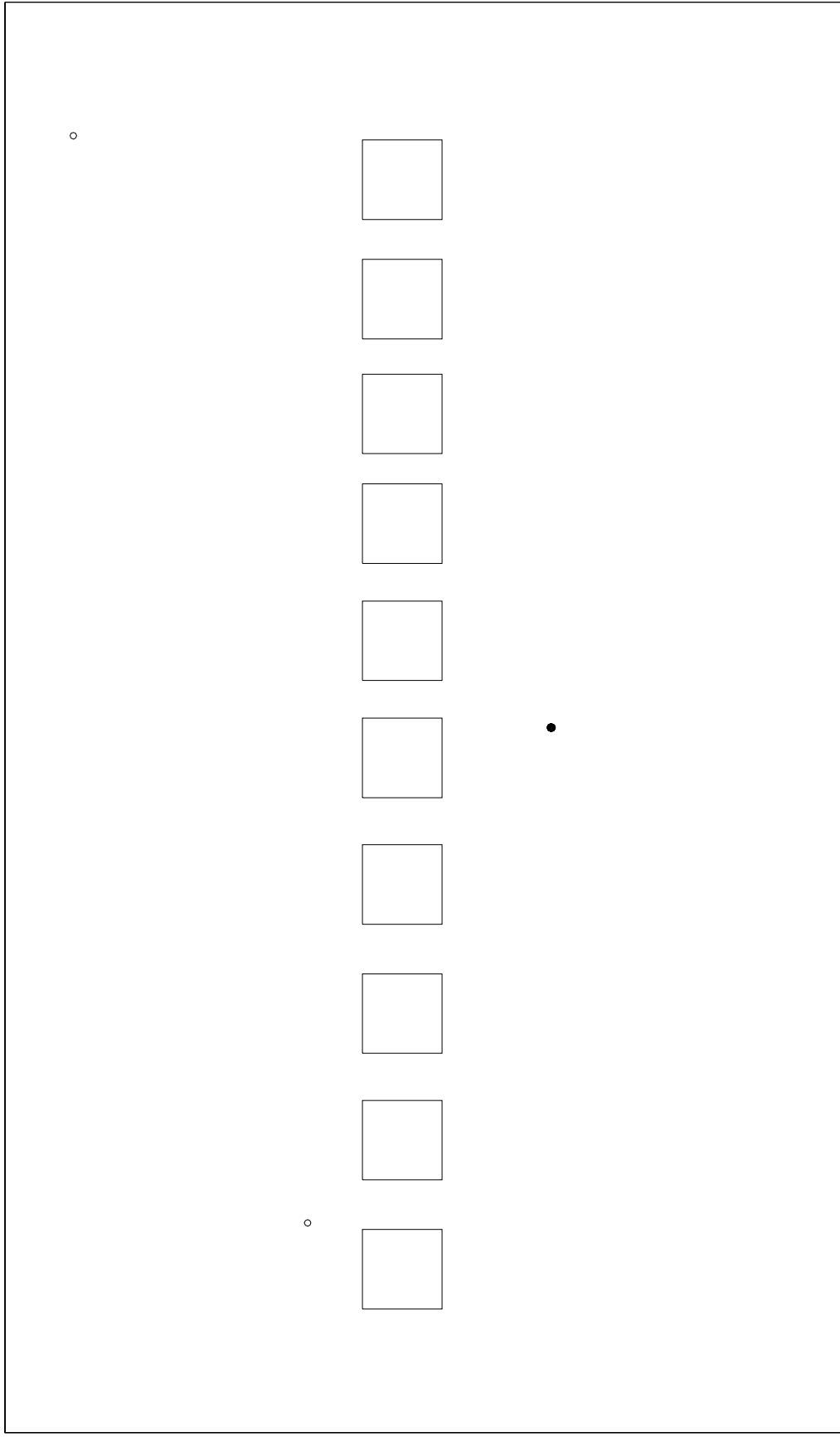


Roof Corrective Action

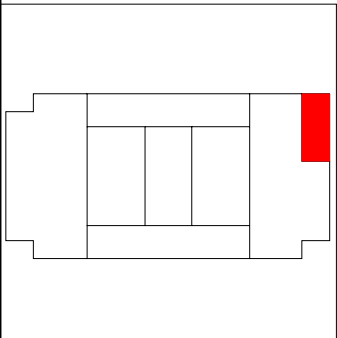
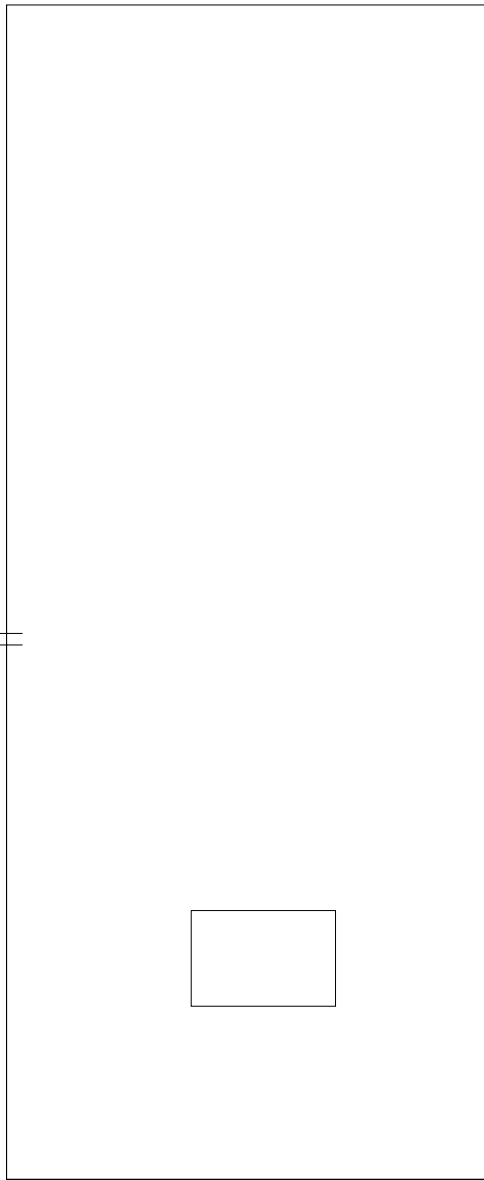


SYMBOLS KEY

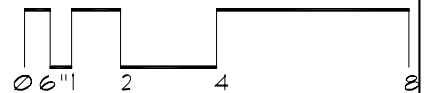
- ROOF CURB
- VENT STACK
- ROOF DRAIN



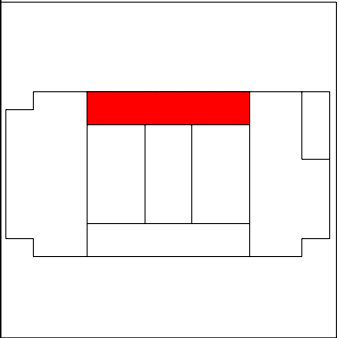
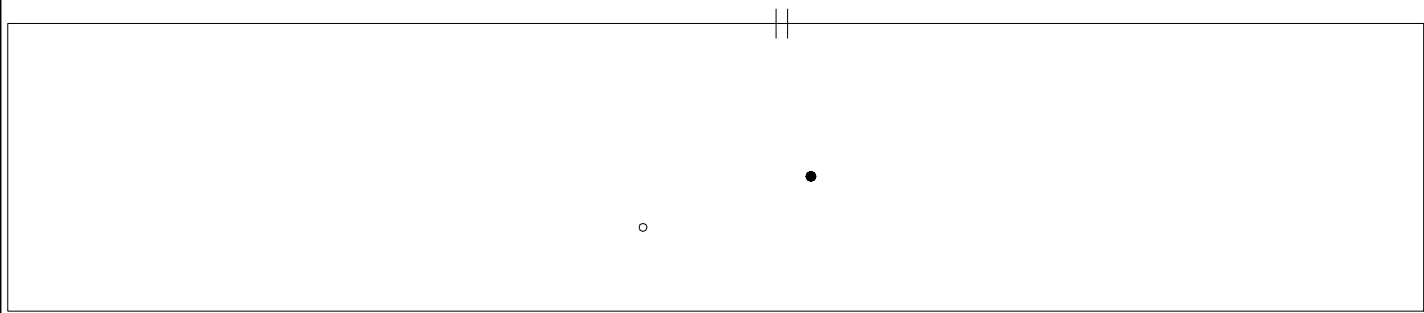
Roof Corrective Action



SYMBOLS KEY
□ ROOF CURB
≡ SCUPPER

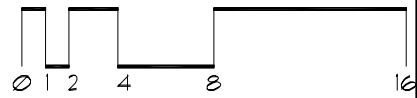


Roof Corrective Action

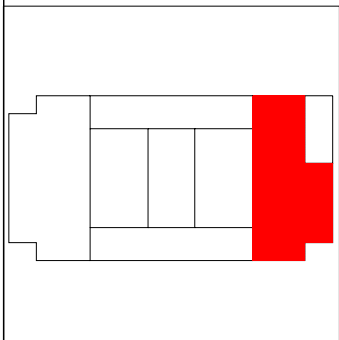
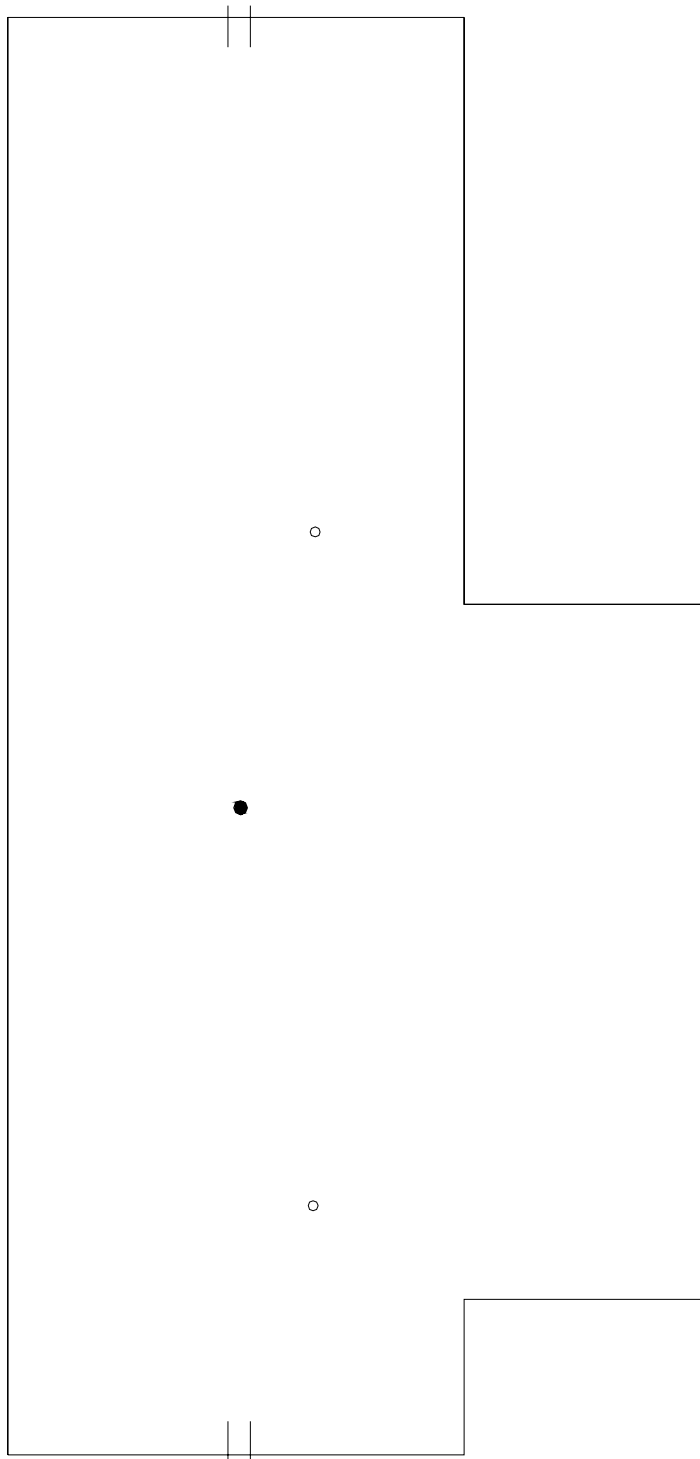


SYMBOLS KEY

- ROOF DRAIN
- †† SCUPPER
- VENT STACK
- ① DEFECT-REPAIR

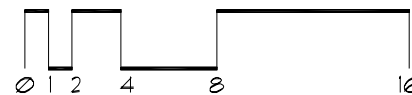


Roof Corrective Action

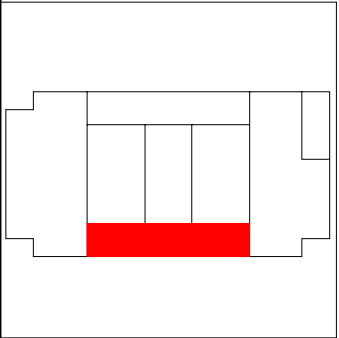
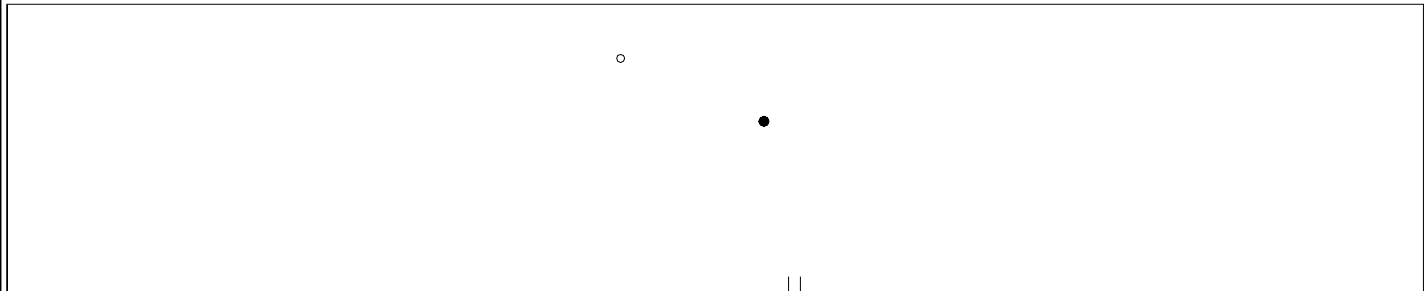


SYMBOLS KEY

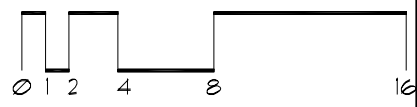
- ROOF DRAIN
- VENT STACK
- †† SCUPPER
- Ⓡ DEFECT-REPAIR



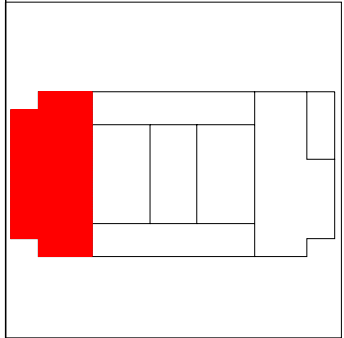
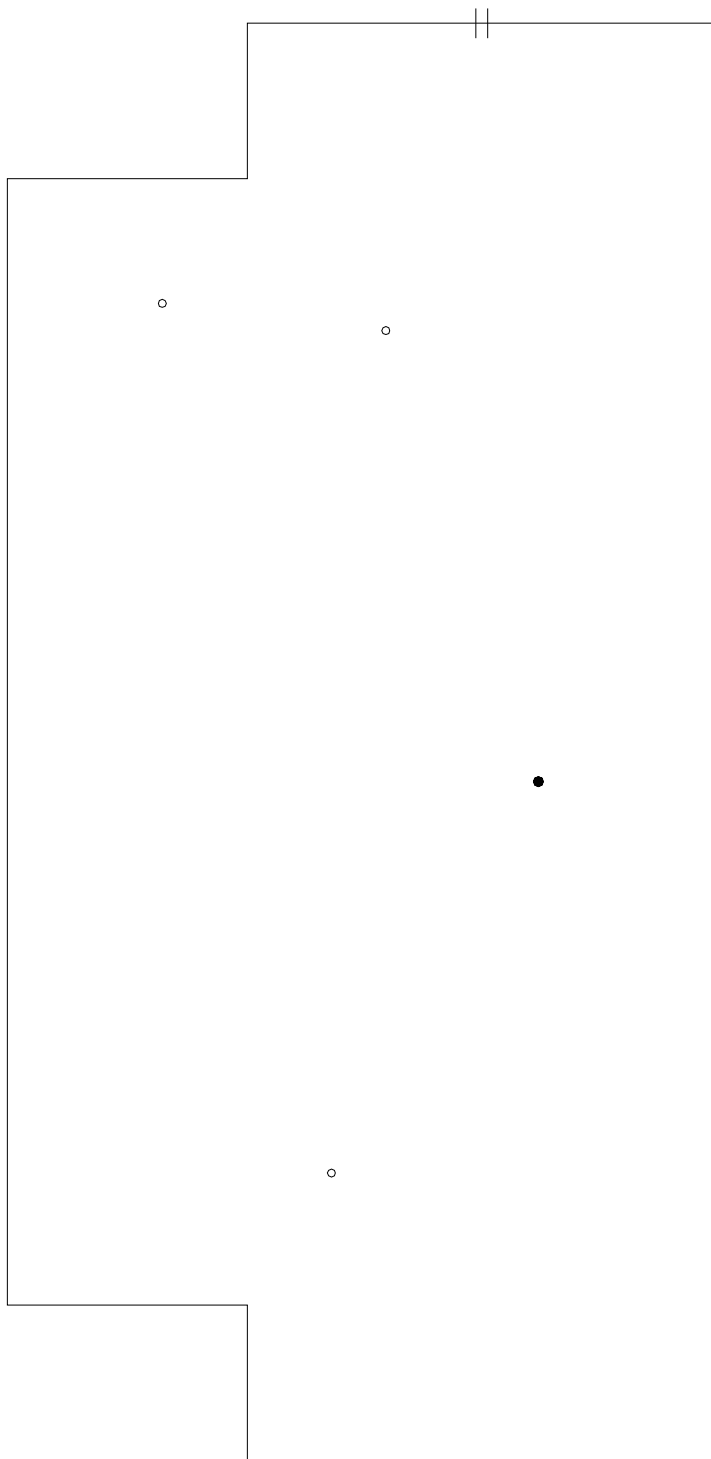
Roof Corrective Action



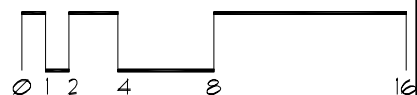
- SYMBOLS KEY
- ROOF DRAIN
 - VENT STACK
 - †† SCUPPER
 - Ⓢ DEFECT-REPAIR



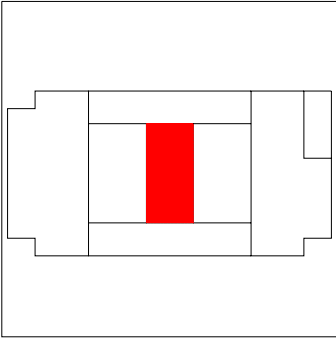
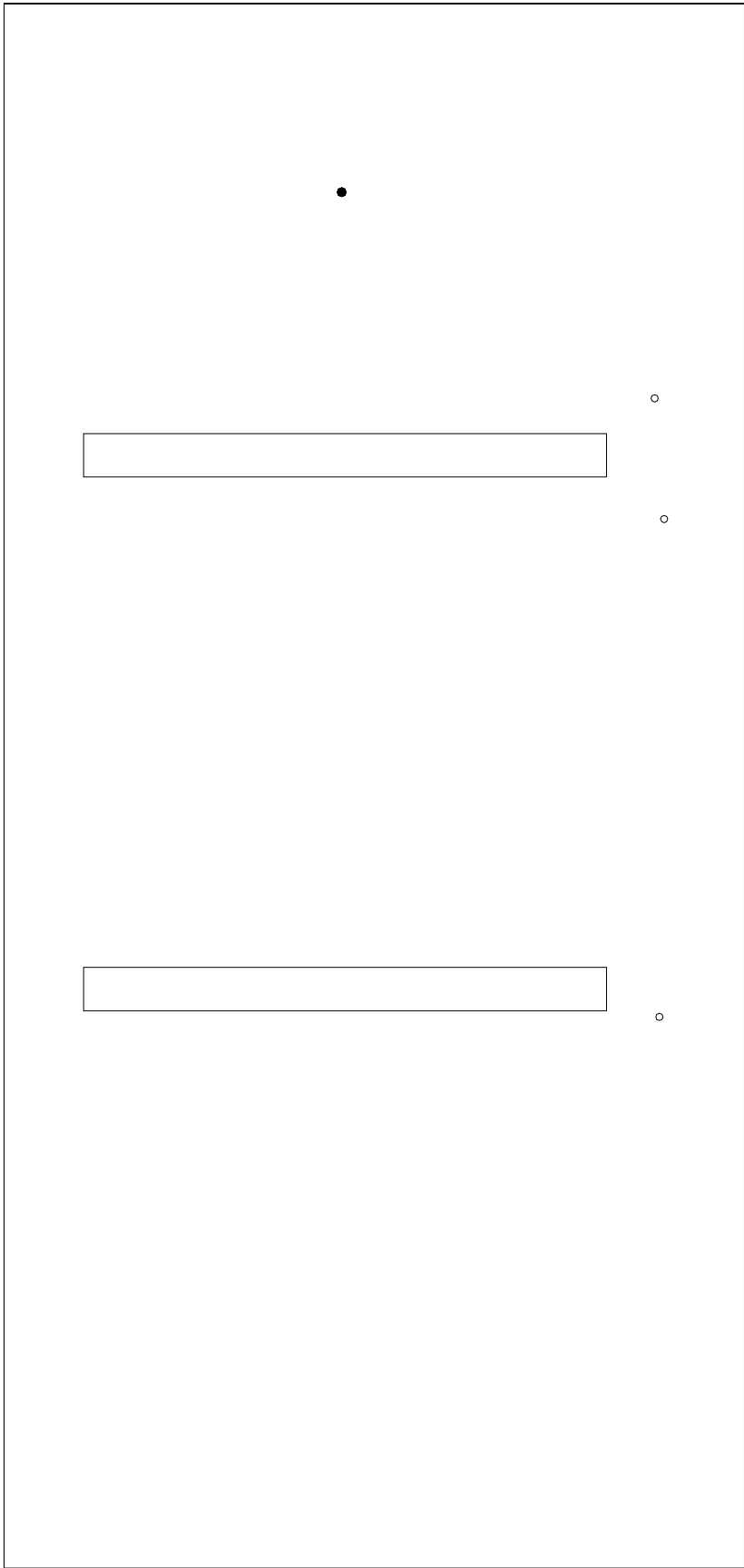
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
○ VENT STACK
† SCUPPER

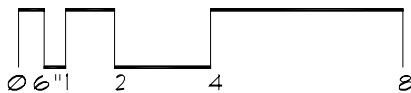


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊖ DEFECT-REPAIR



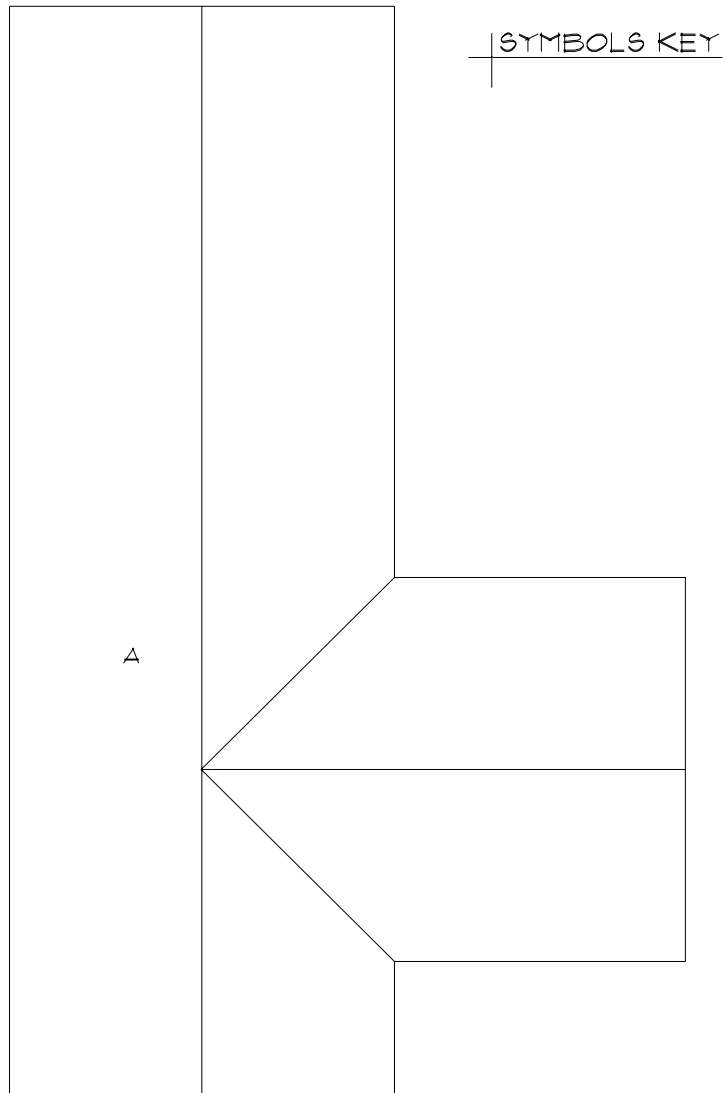
Roof ID

Building: SP397 - Vet Animal Facilities - (1340 Gortner Ave St Paul, Mn)

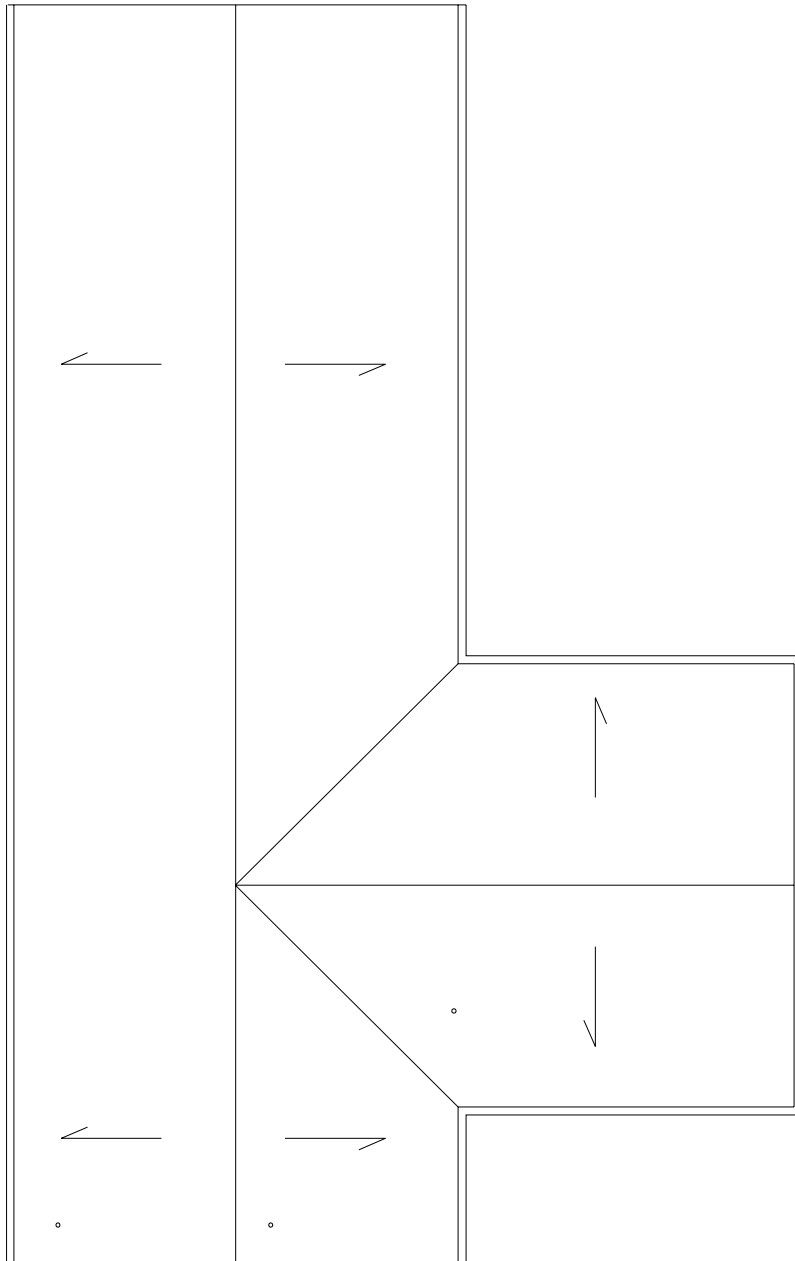
Roof Access: Ladder

Total Area: 5,330 sf

A 5,330 sf

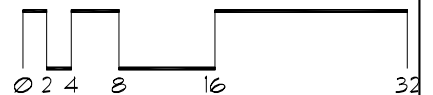


Roof Corrective Action



SYMBOLS KEY

- SLOPE DIRECTION
- VENT STACK
- Ⓢ DEFECT-REPAIR



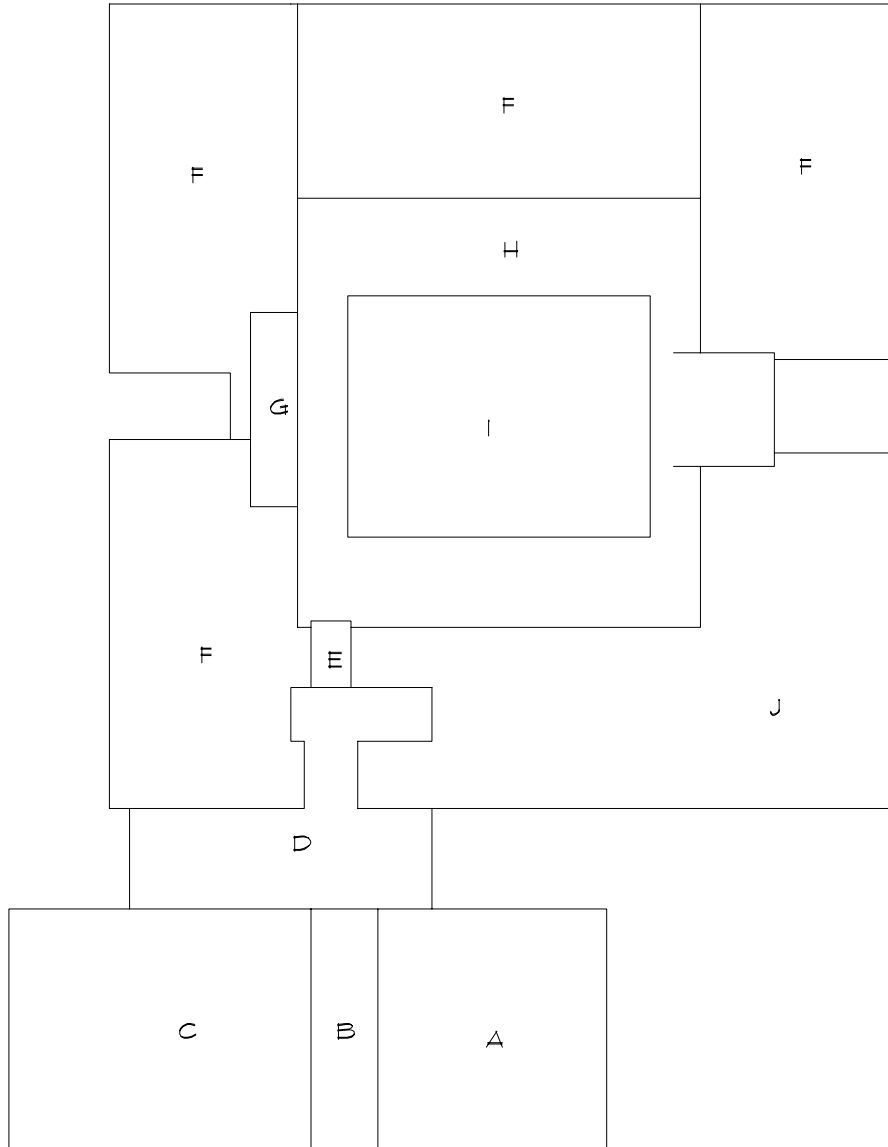
Roof ID

Building: SP410 - Gortner Lab - (1479 Gortner Ave. St.Paul)

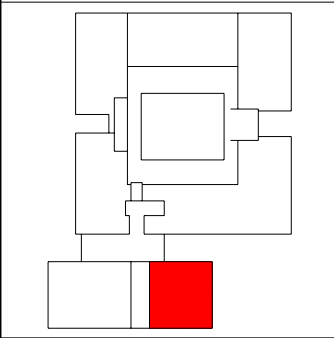
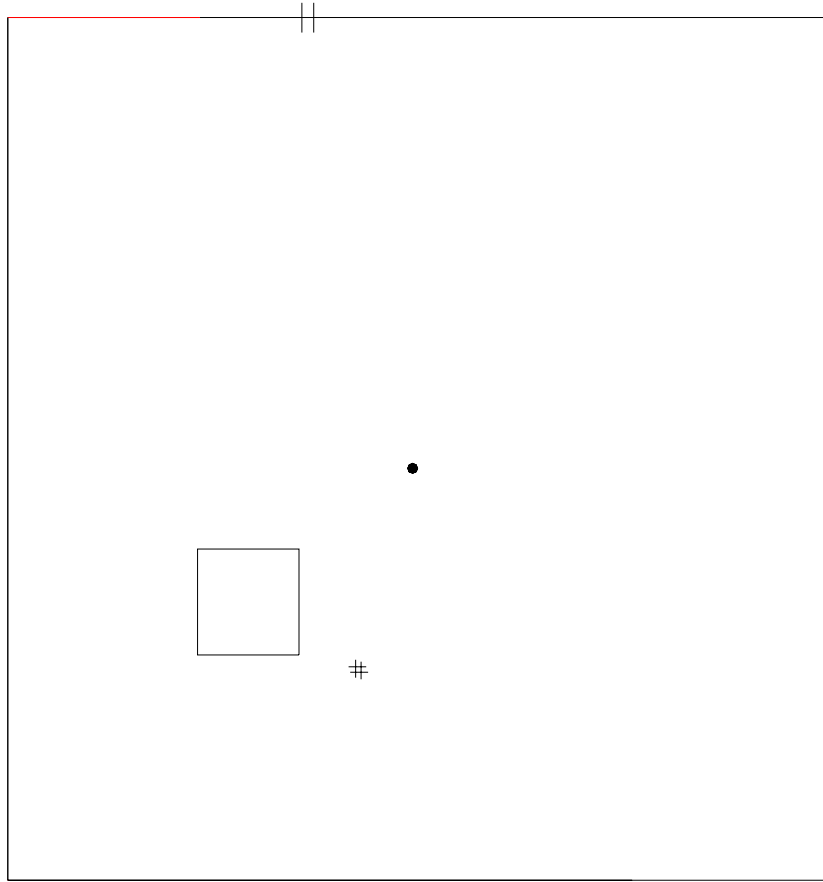
Roof Access: Penthouse area I and area E

Total Area: 17,507 sf

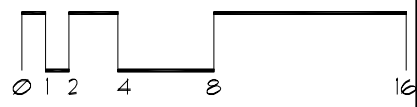
<u>A</u>	<u>1,224</u> sf	<u>E</u>	<u>60</u> sf	<u>I</u>	<u>1,620</u> sf
<u>B</u>	<u>360</u> sf	<u>F</u>	<u>6,457</u> sf	<u>J</u>	<u>2,914</u> sf
<u>C</u>	<u>1,530</u> sf	<u>G</u>	<u>203</u> sf		
<u>D</u>	<u>935</u> sf	<u>H</u>	<u>2,204</u> sf		



Roof Corrective Action



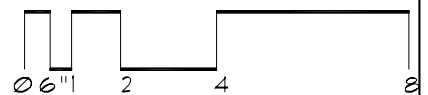
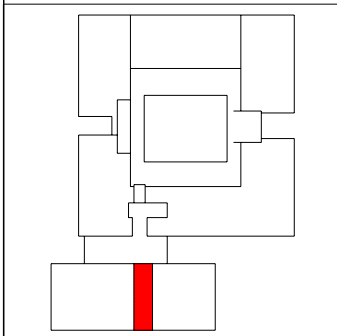
- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - ≡ SCUPPER
 - ⊖ DEFECT-REPAIR



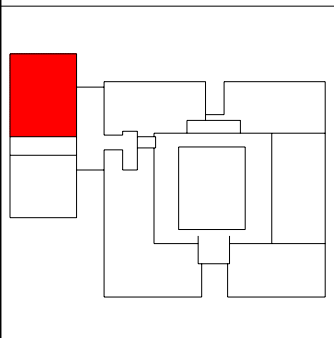
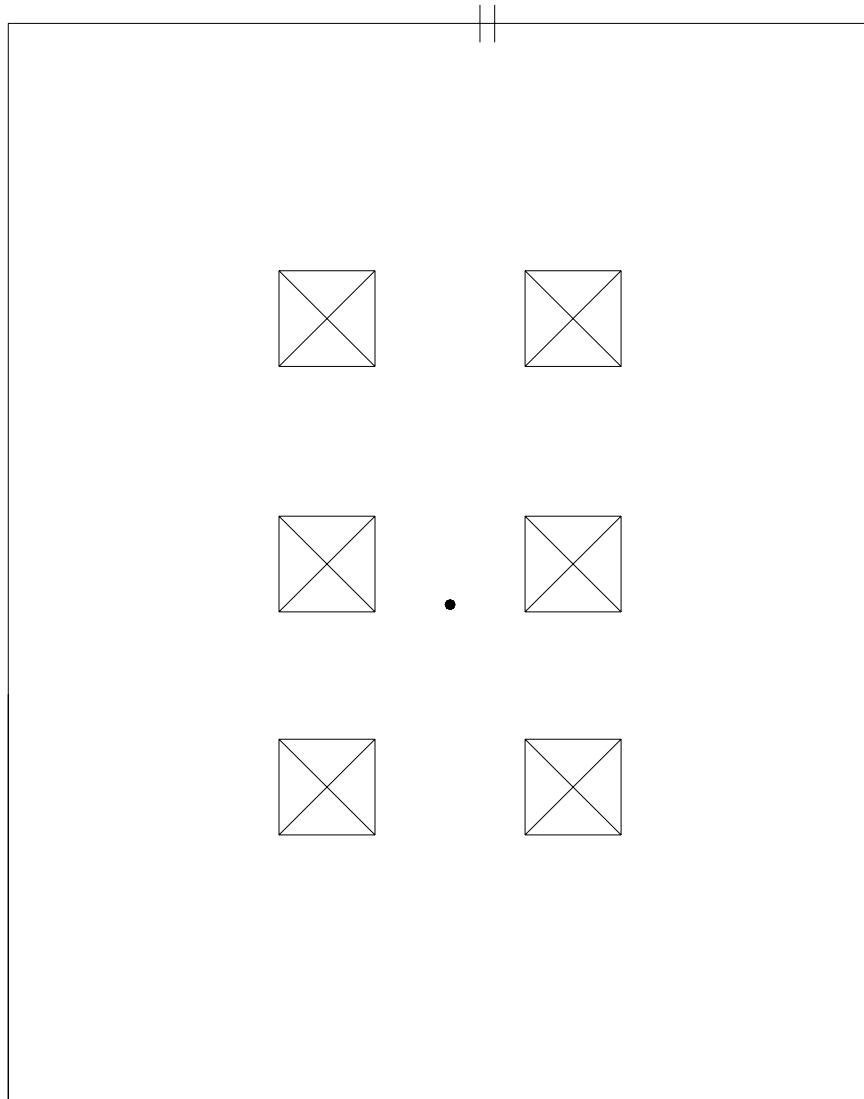
Roof Corrective Action



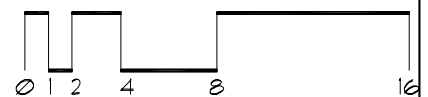
SYMBOLS KEY
SCUPPER
Ⓢ DEFECT-REPAIR



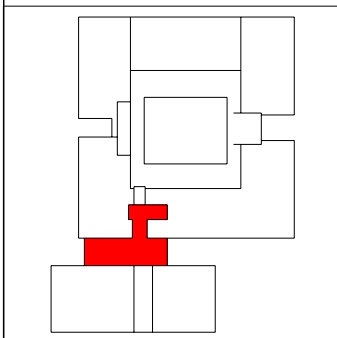
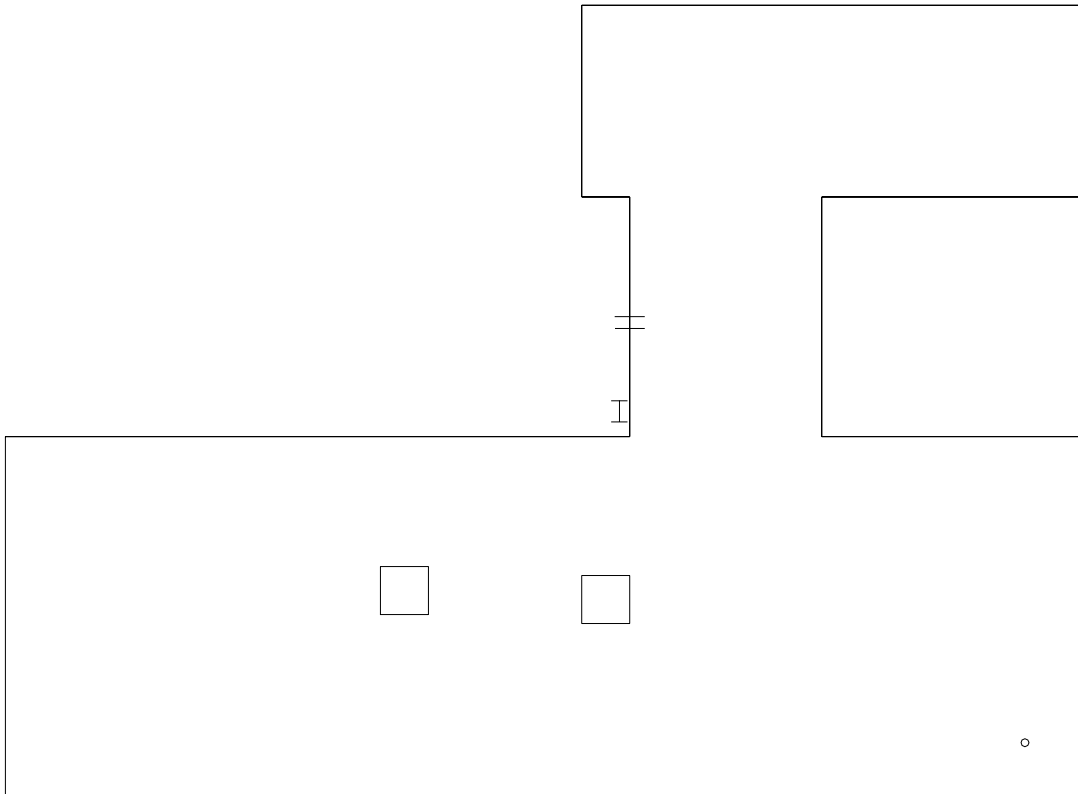
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - †† SCUPPER
 - ☒ SKYLIGHT

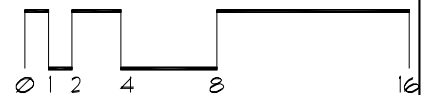


Roof Corrective Action

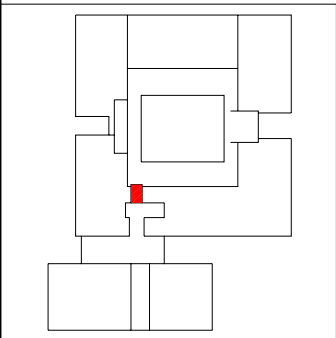
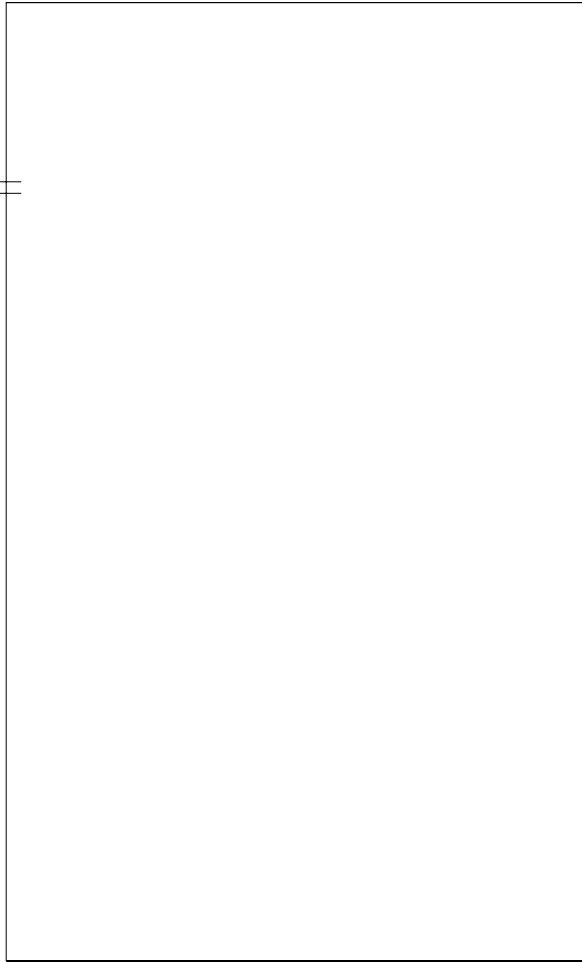


SYMBOLS KEY

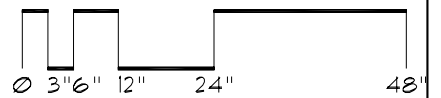
- ROOF CURB
- VENT STACK
- ⊕ SCUPPER
- Ⓜ DEFECT-REPAIR
- I LADDER



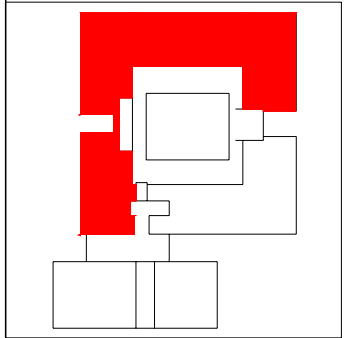
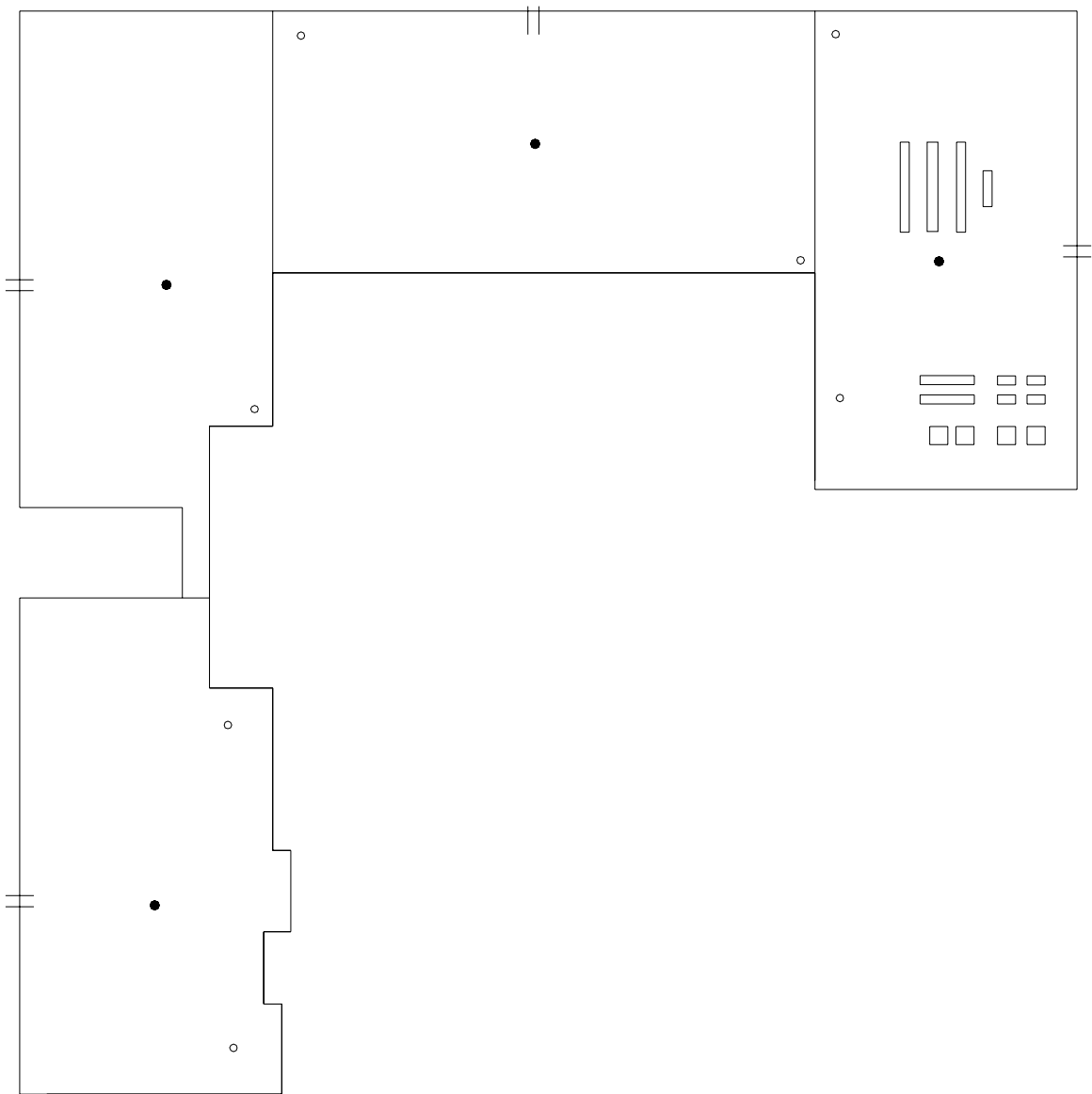
Roof Corrective Action



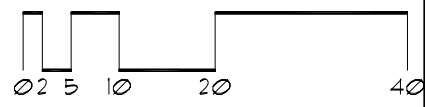
SYMBOLS KEY
|| SCUPPER



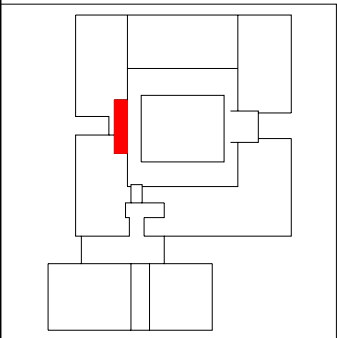
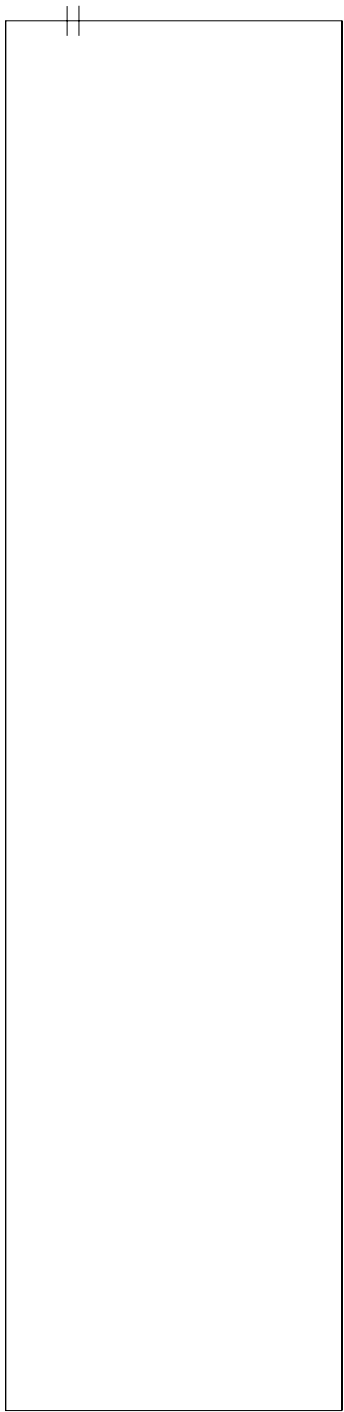
Roof Corrective Action



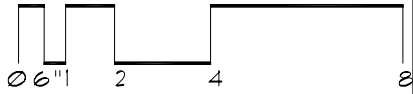
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ⊥ SCUPPER
 - Ⓜ DEFECT-REPAIR
 - Ⓜ DEFECT-NO REPAIR



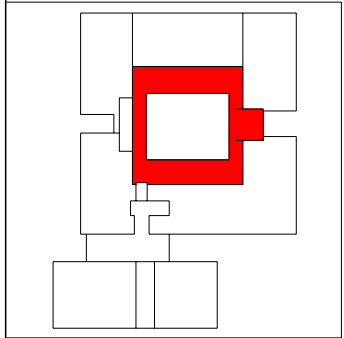
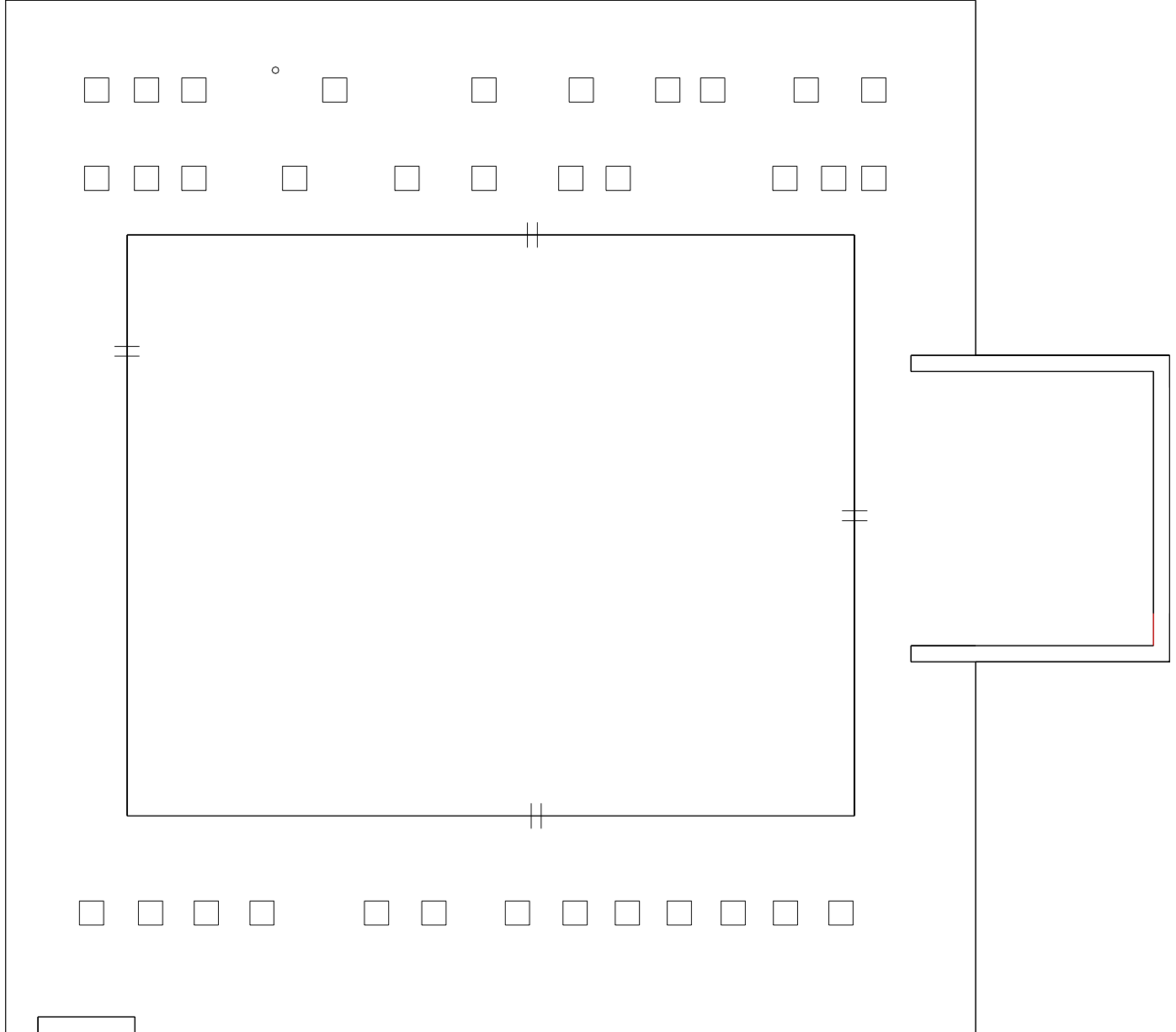
Roof Corrective Action



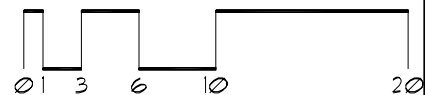
SYMBOLS KEY
|| SCUPPER
Ⓢ DEFECT-REPAIR



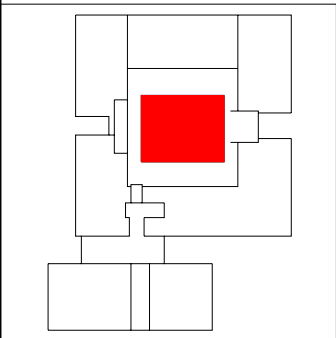
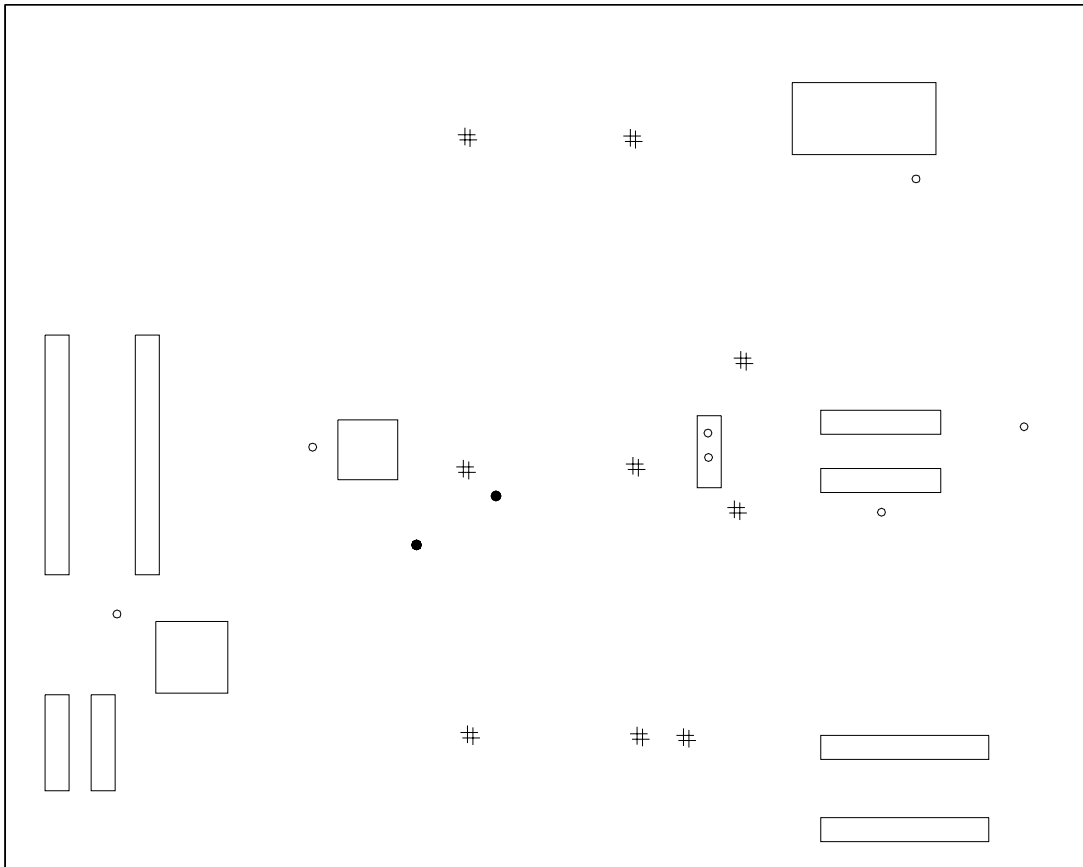
Roof Corrective Action



SYMBOLS KEY
□ ROOF CURB
○ VENT STACK
|| SCUPPER

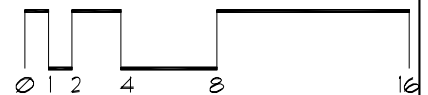


Roof Corrective Action

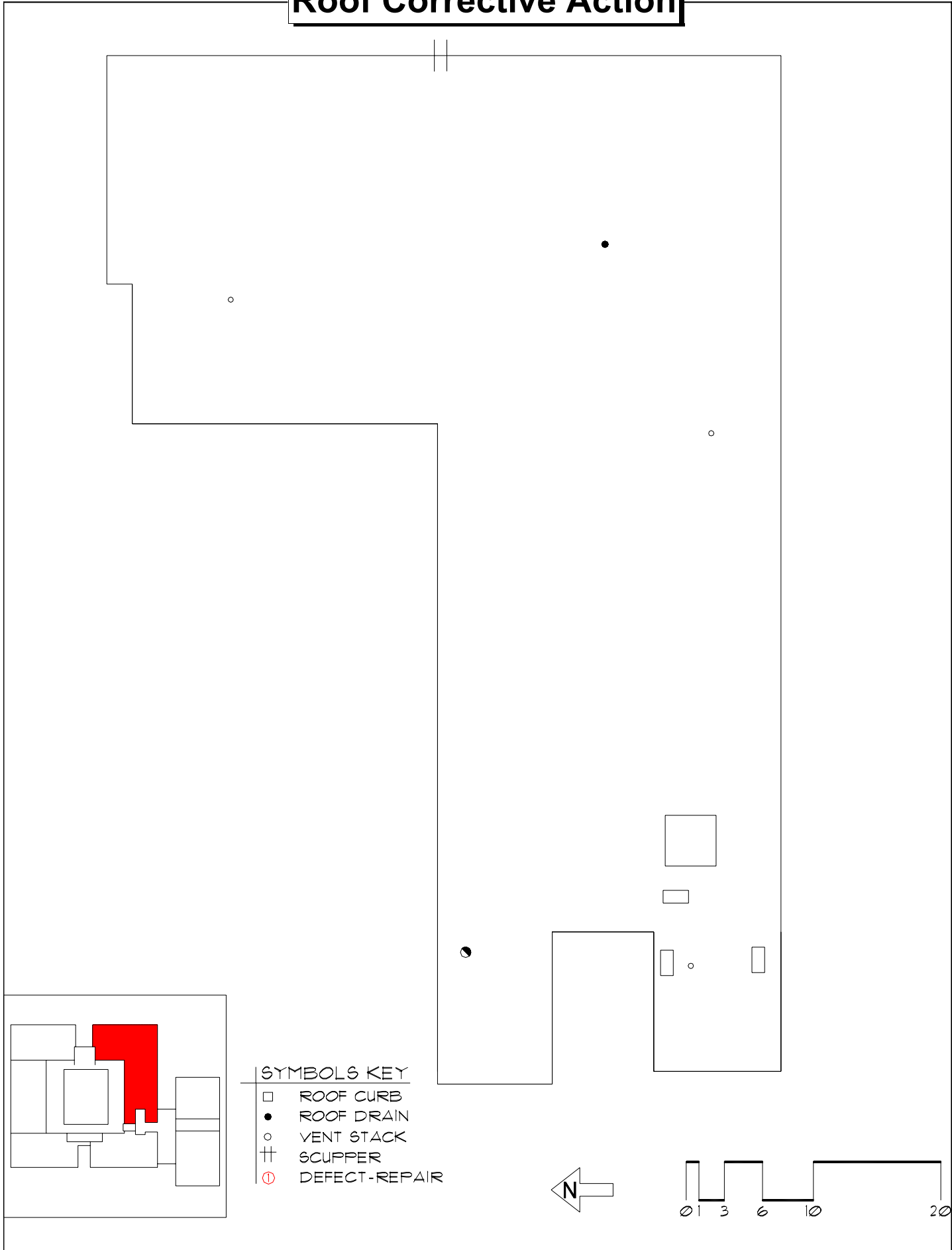


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- Ⓢ DEFECT-REPAIR
- ⓪ DEFECT-NO REPAIR



Roof Corrective Action



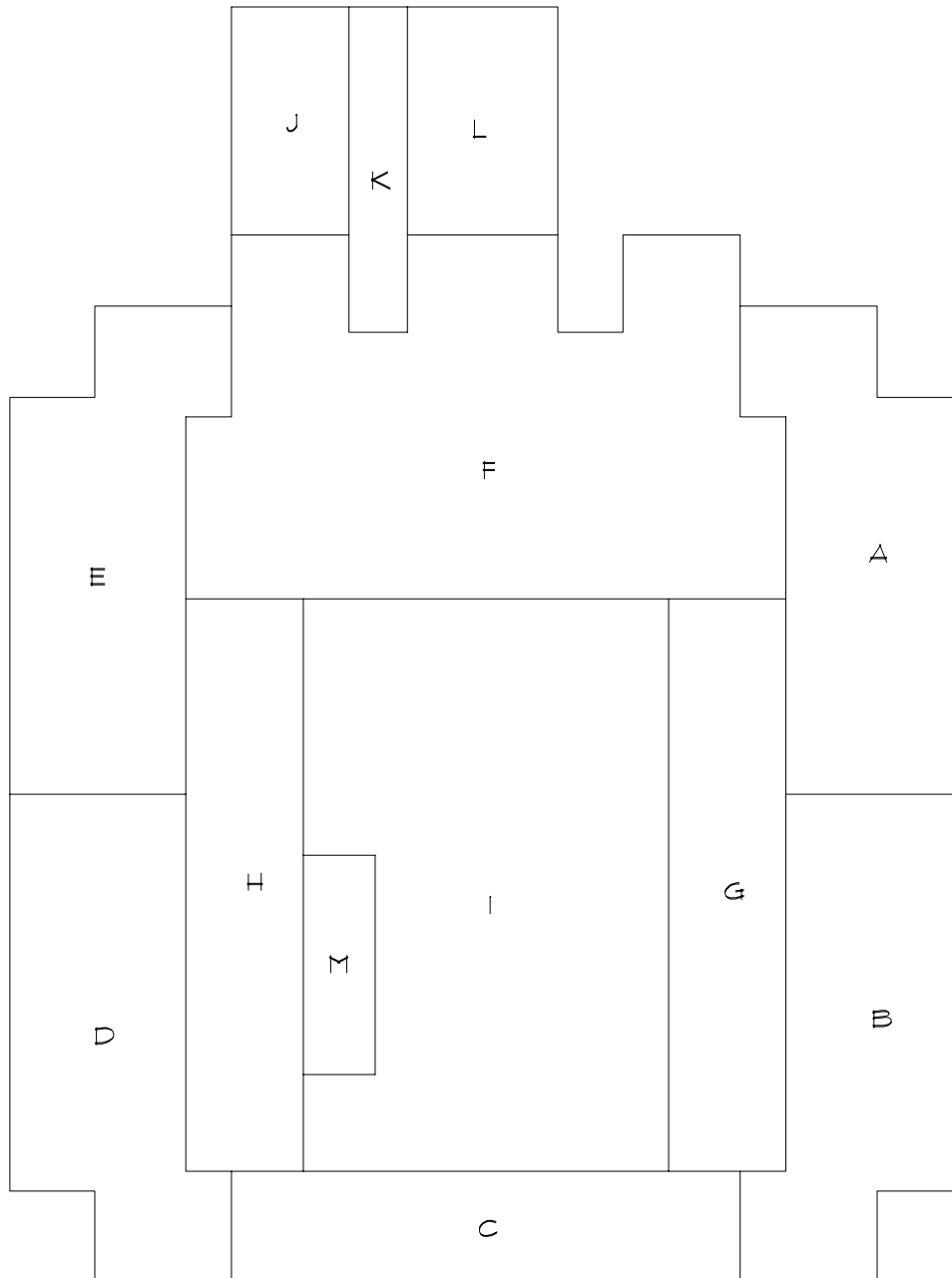
Roof ID

Building: SP411 - Biological Sciences - (1445 Gortner Ave, St Paul)

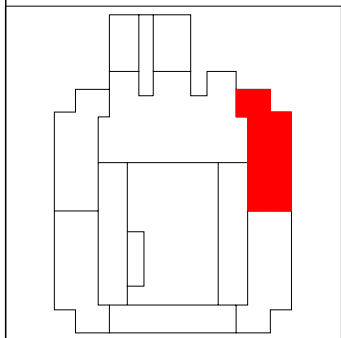
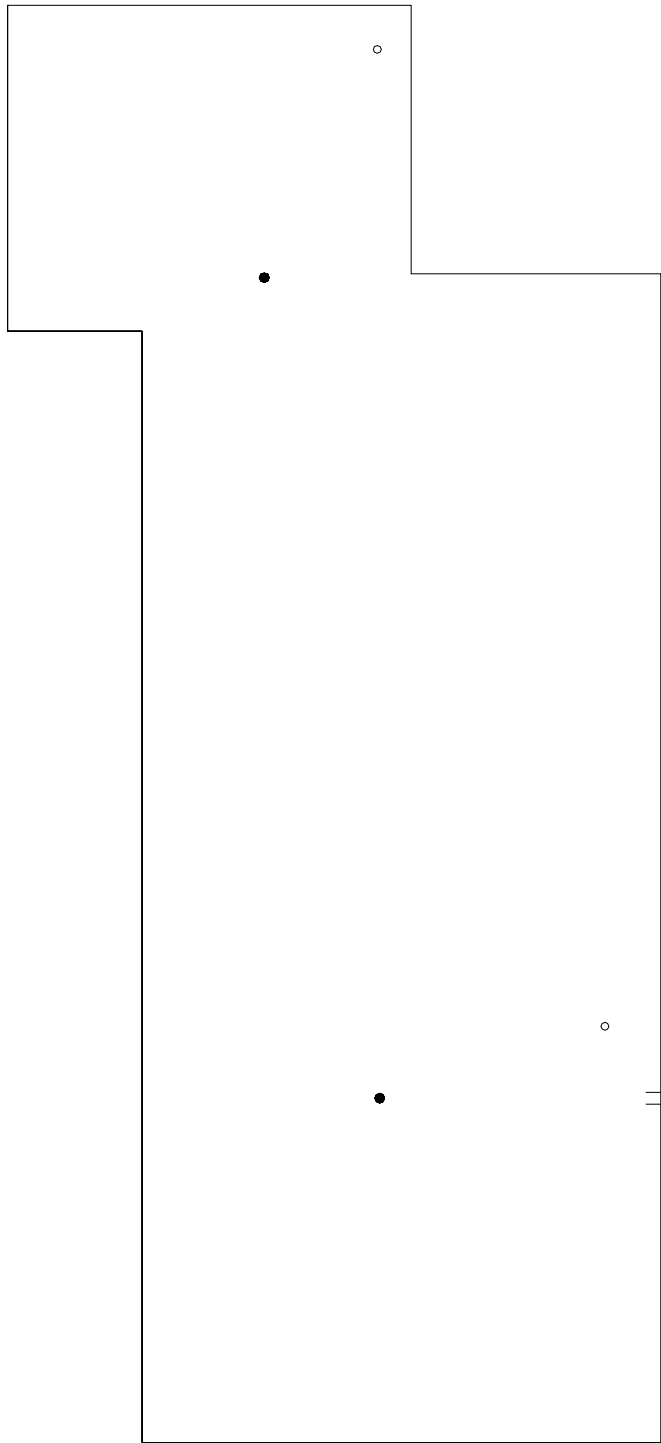
Roof Access: Elevator to top floor, up stairs to mechanical room area F

Total Area: 23,445 sf

<u>A</u>	<u>1,988</u> sf	<u>E</u>	<u>1,988</u> sf	<u>I</u>	<u>4,505</u> sf	<u>M</u>	<u>425</u> sf
<u>B</u>	<u>2,045</u> sf	<u>F</u>	<u>4,188</u> sf	<u>J</u>	<u>630</u> sf		
<u>C</u>	<u>1,404</u> sf	<u>G</u>	<u>1,476</u> sf	<u>K</u>	<u>470</u> sf		
<u>D</u>	<u>2,045</u> sf	<u>H</u>	<u>1,476</u> sf	<u>L</u>	<u>805</u> sf		

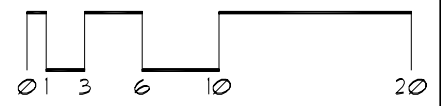


Roof Corrective Action

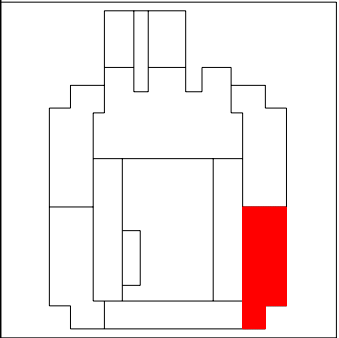
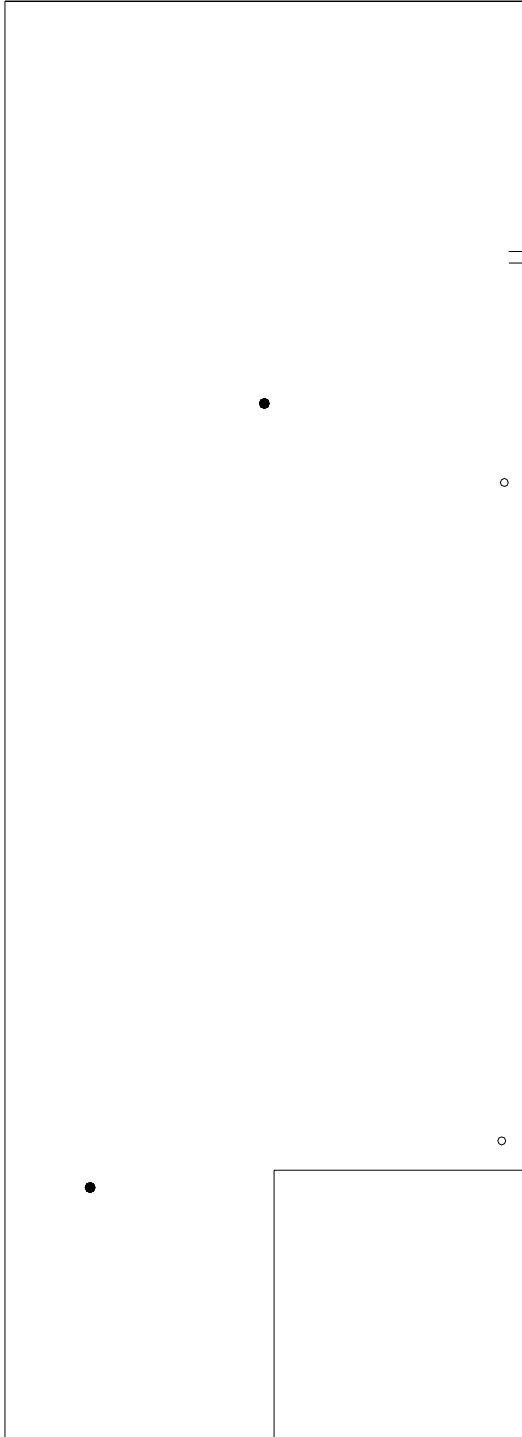


SYMBOLS KEY

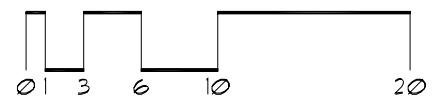
- ROOF DRAIN
- LIGHTNING ROD
- ≡ SCUPPER
- ⓪ DEFECT-NO REPAIR



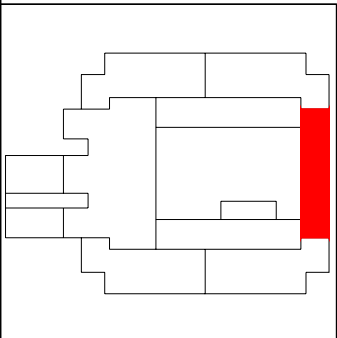
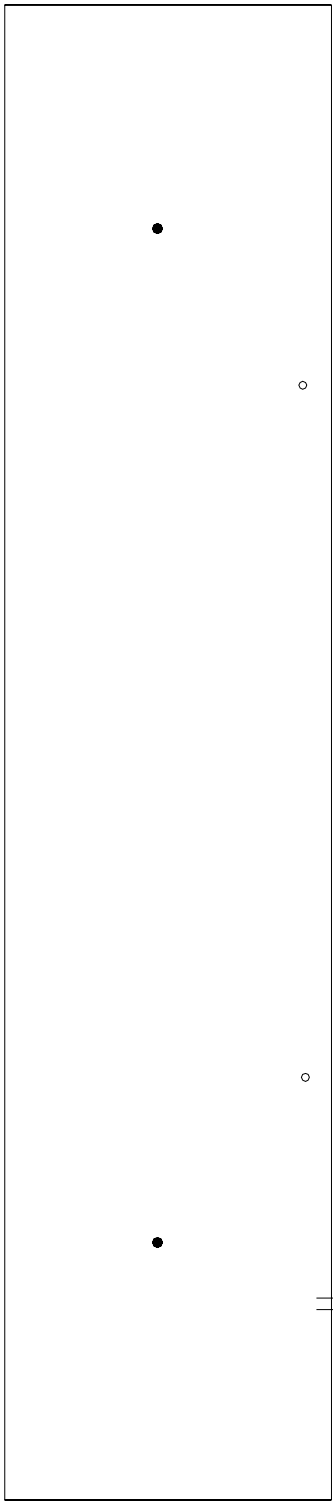
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - Ⓜ DEFECT-REPAIR
 - LIGHTNING ROD

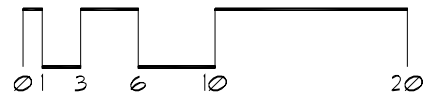


Roof Corrective Action

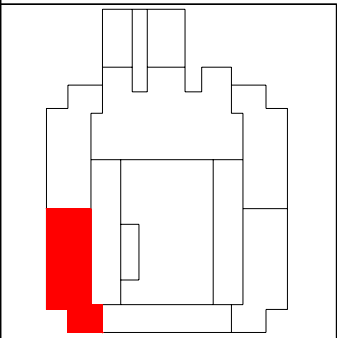
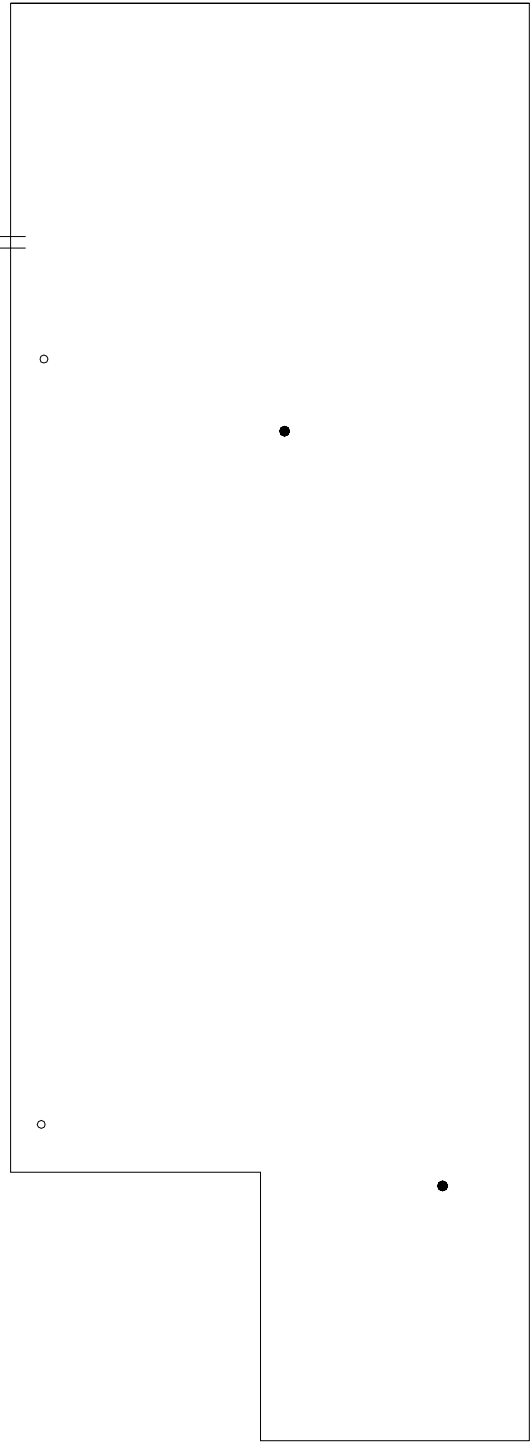


SYMBOLS KEY

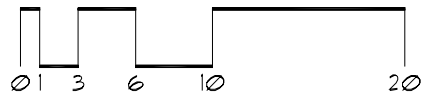
- ROOF DRAIN
- LIGHTNING ROD
- ⓪ DEFECT-NO REPAIR



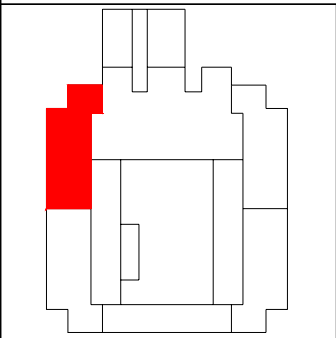
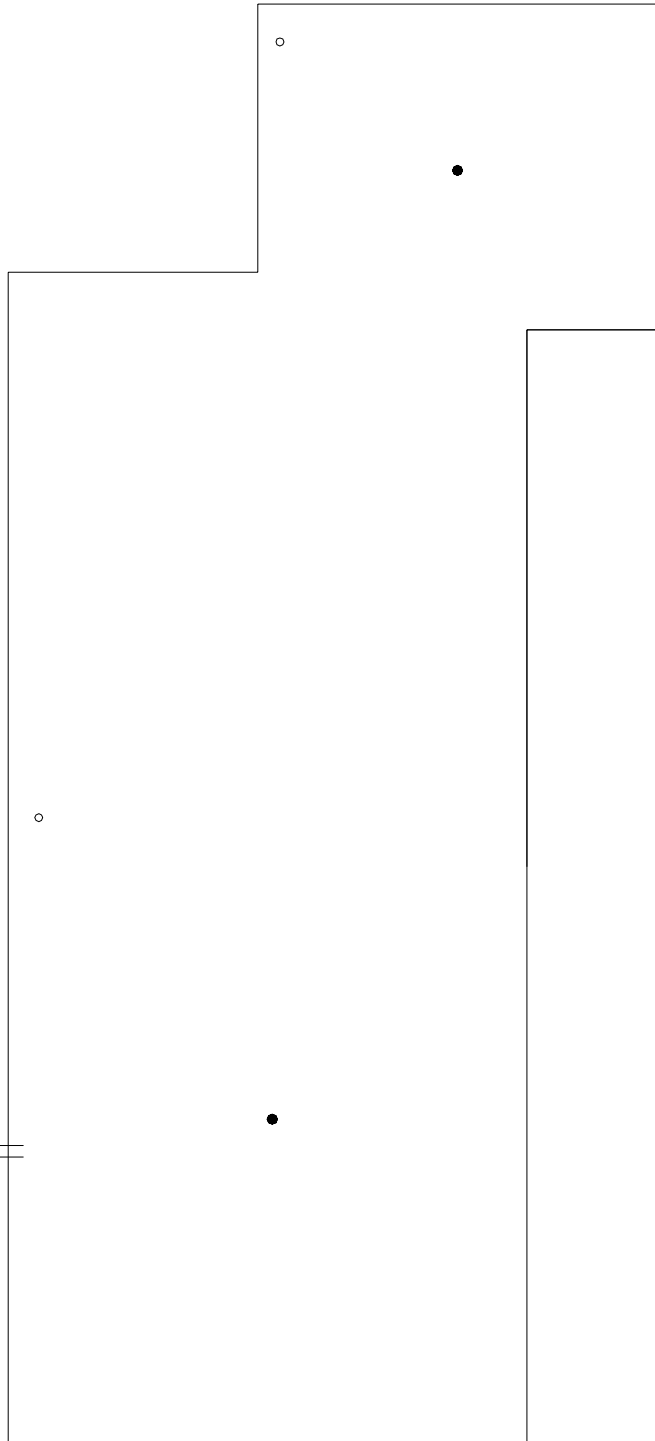
Roof Corrective Action



- SYMBOLS KEY
- ROOF DRAIN
 - Ⓢ DEFECT-REPAIR
 - LIGHTNING ROD

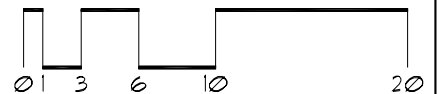


Roof Corrective Action

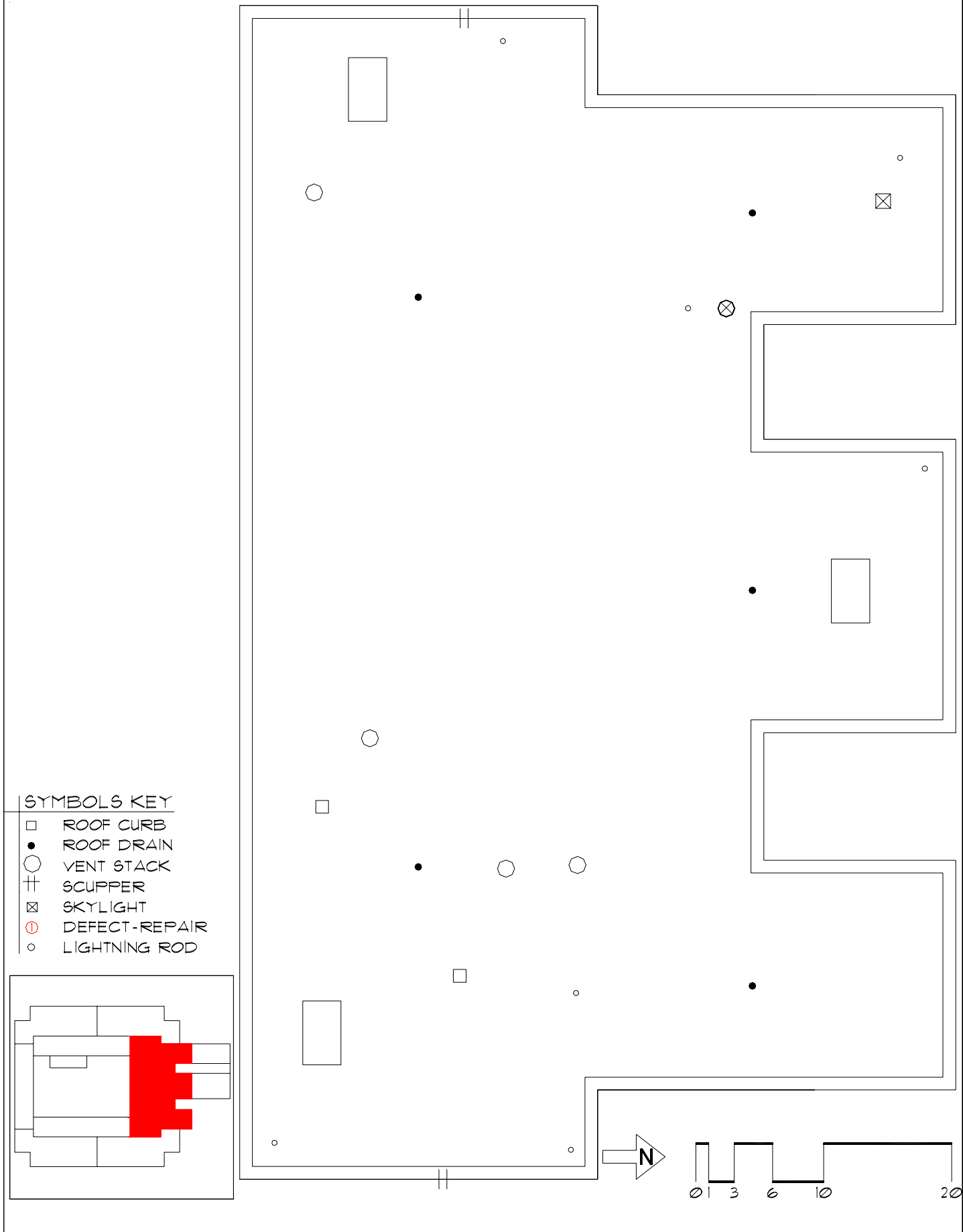


SYMBOLS KEY

- ROOF DRAIN
- LIGHTNING ROD
- DEFECT-REPAIR

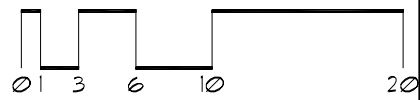
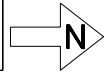
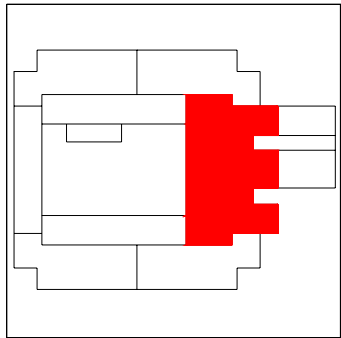


Roof Corrective Action

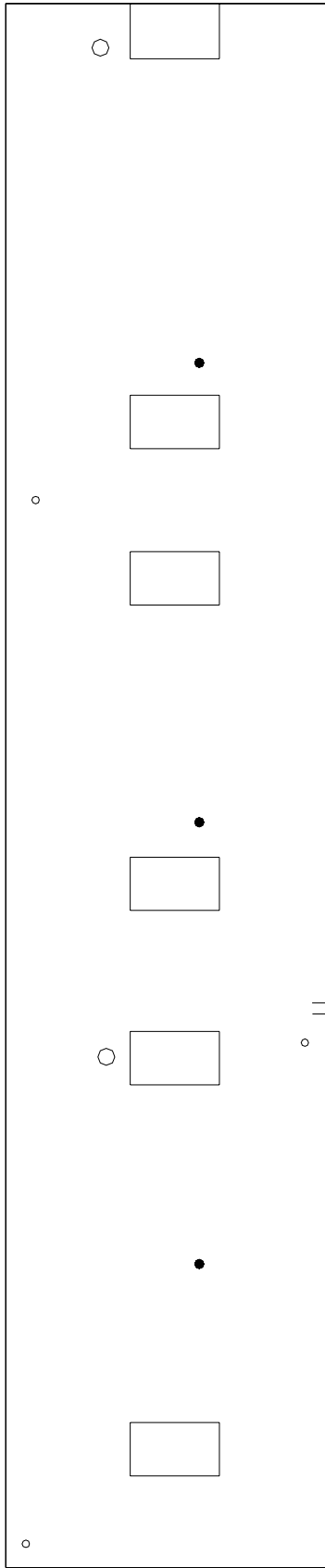


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊠ SKYLIGHT
- ⊖ DEFECT-REPAIR
- LIGHTNING ROD

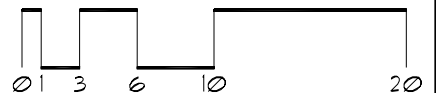
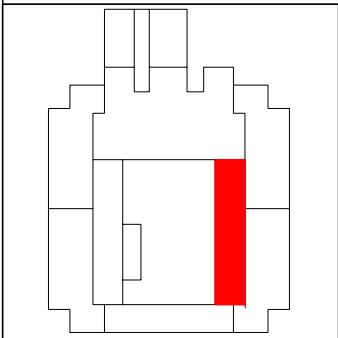


Roof Corrective Action

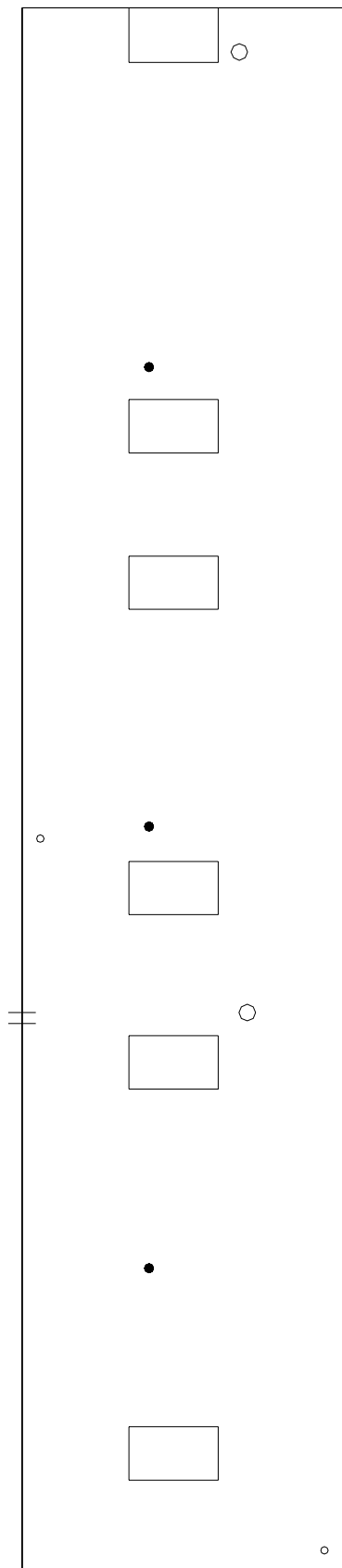


SYMBOLS KEY

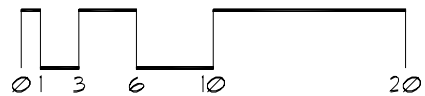
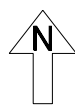
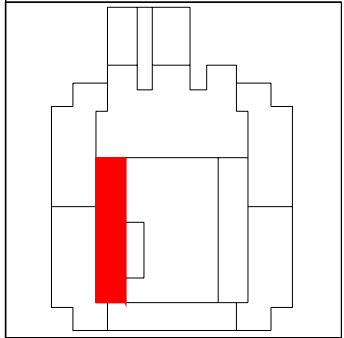
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊕ SCUPPER
- ⊖ DEFECT-REPAIR
- ⊙ LIGHTNING ROD
- ⊕ DEFECT-NO REPAIR



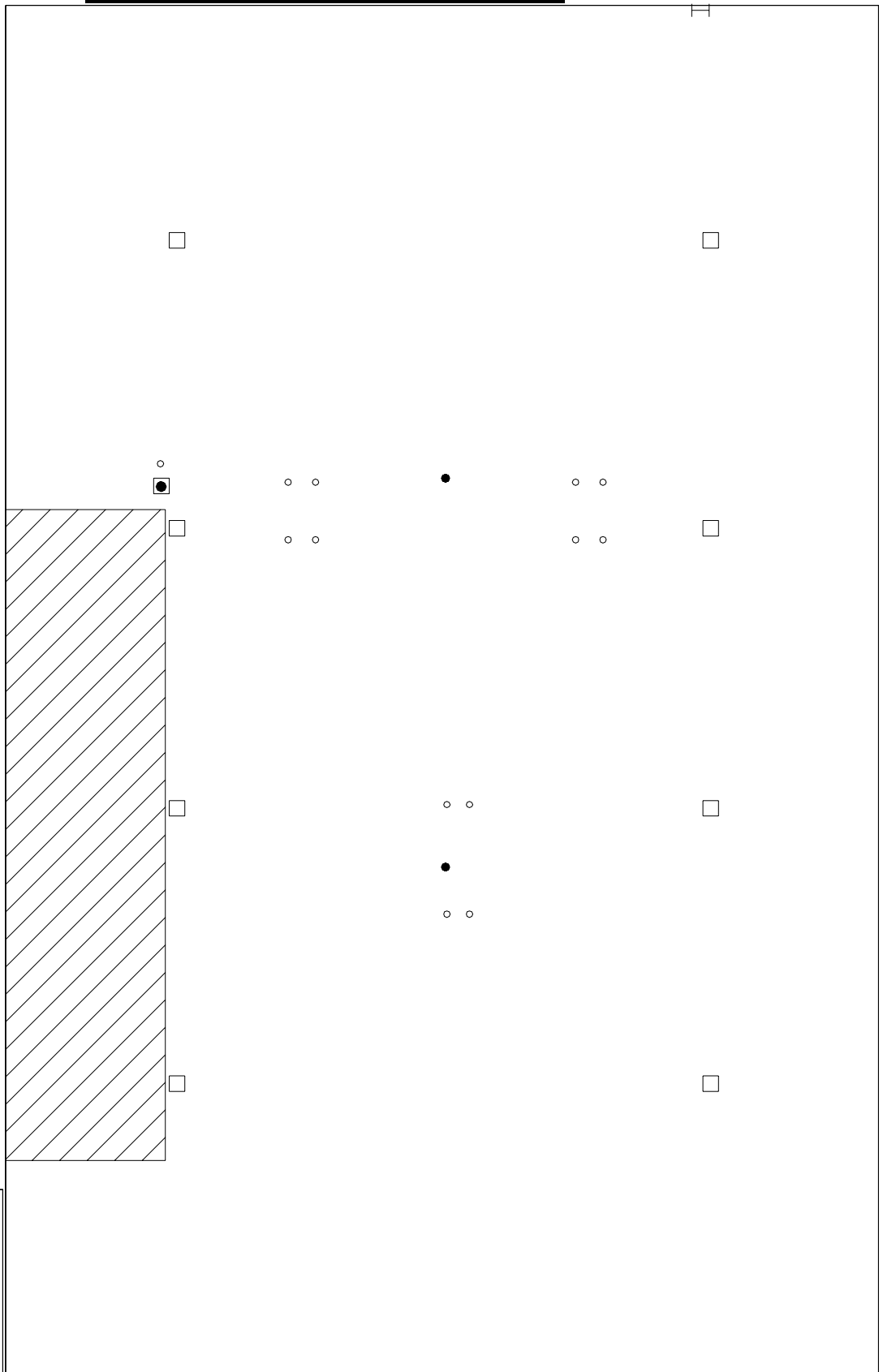
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - LIGHTNING ROD
 - † SCUPPER
 - ⊖ DEFECT-REPAIR
 - VENT STACK

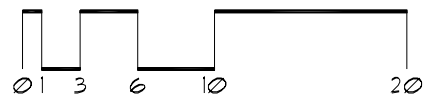
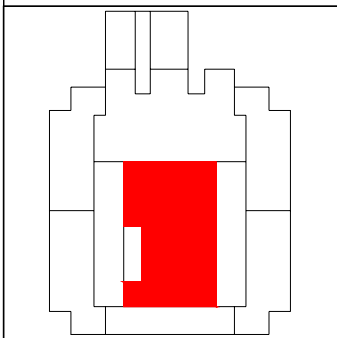


Roof Corrective Action

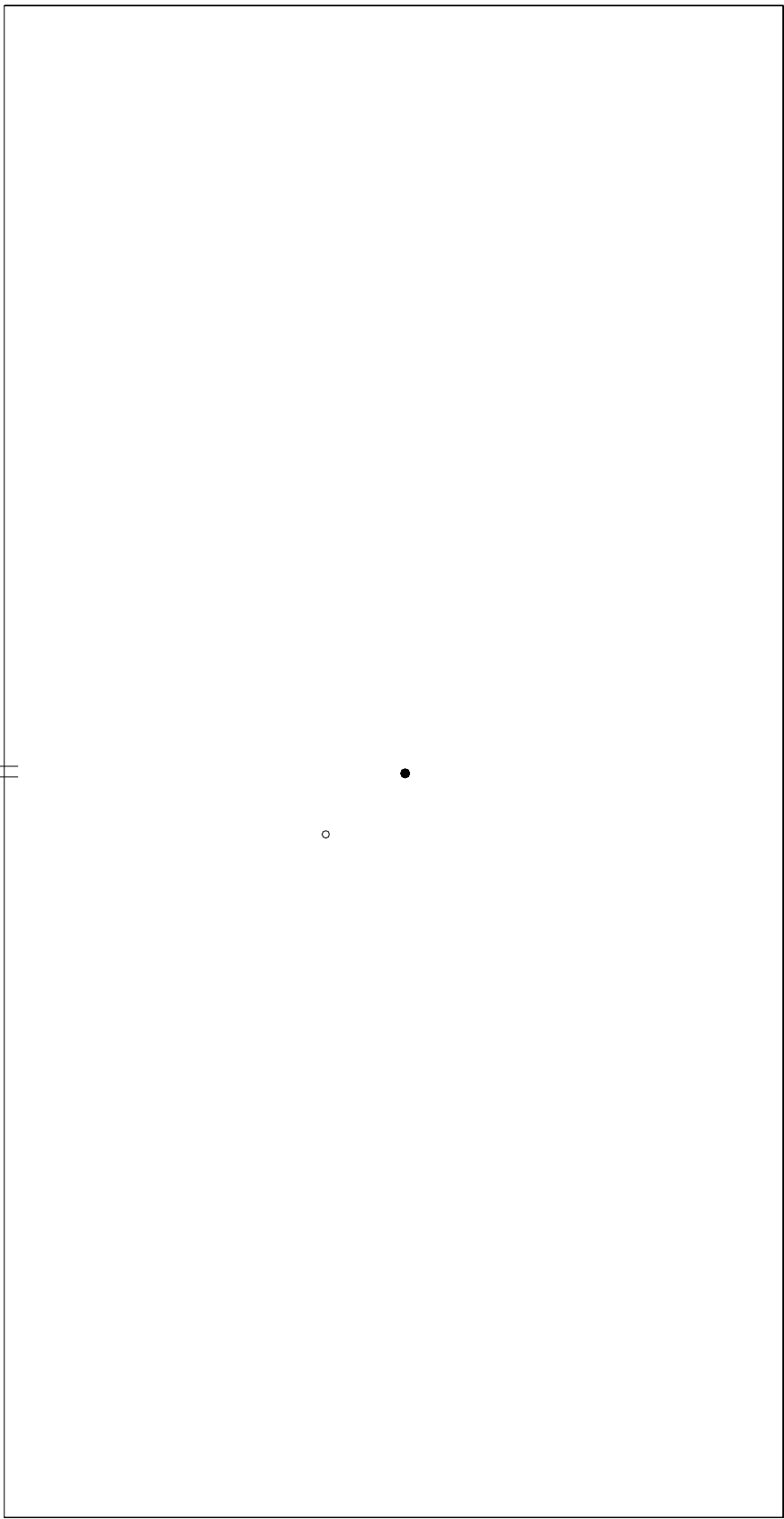


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- I LADDER
- Ⓢ DEFECT-REPAIR

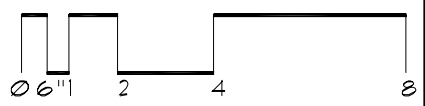
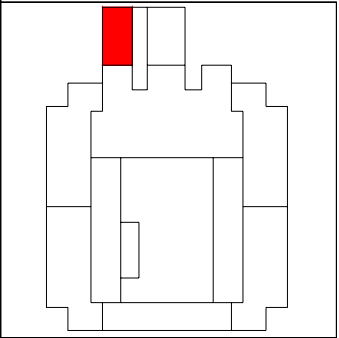


Roof Corrective Action

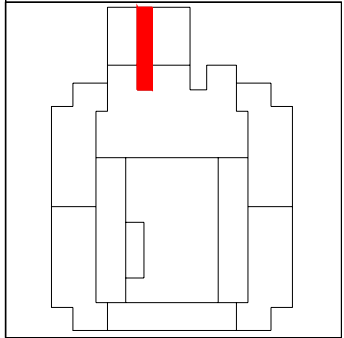
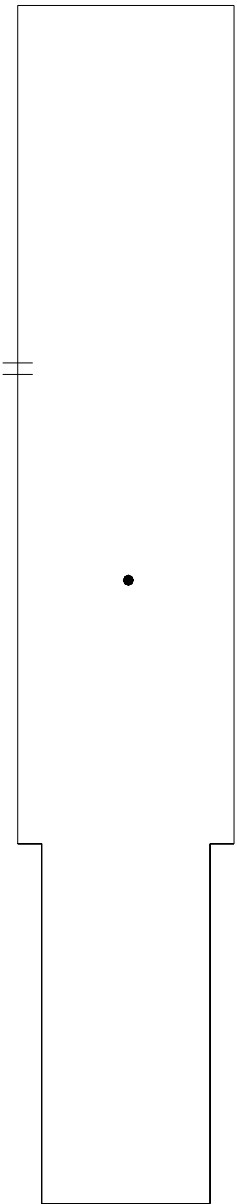


SYMBOLS KEY

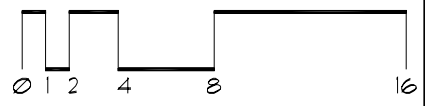
- ROOF DRAIN
- VENT STACK
- ⊖ DEFECT-REPAIR
- ⊕ SCUPPER



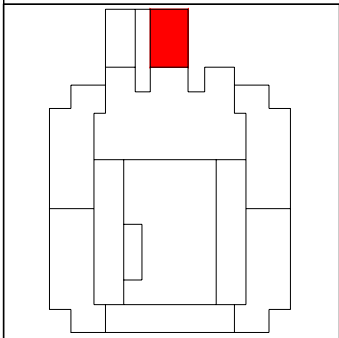
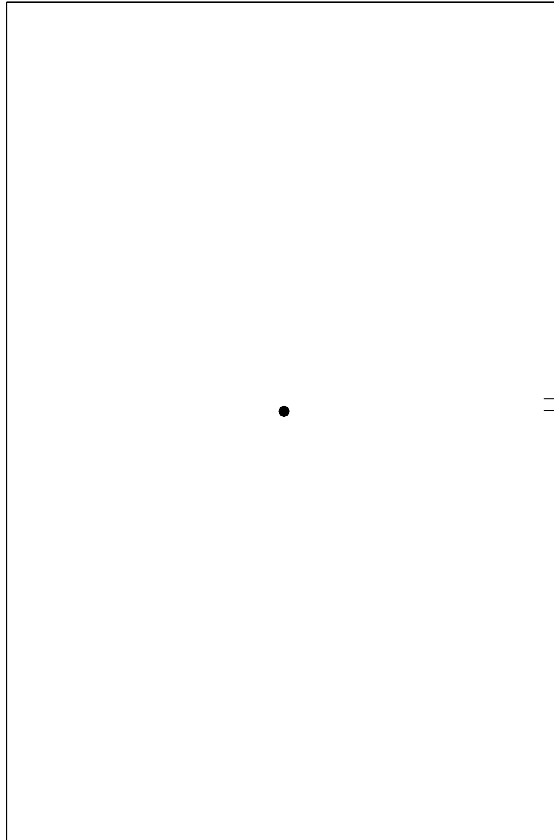
Roof Corrective Action



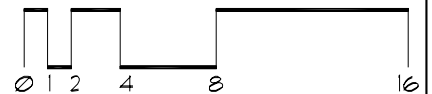
SYMBOLS KEY
● ROOF DRAIN
|| DEFECT-REPAIR
|| SCUPPER



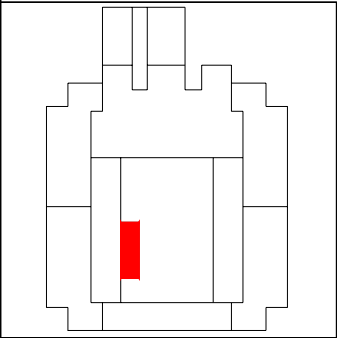
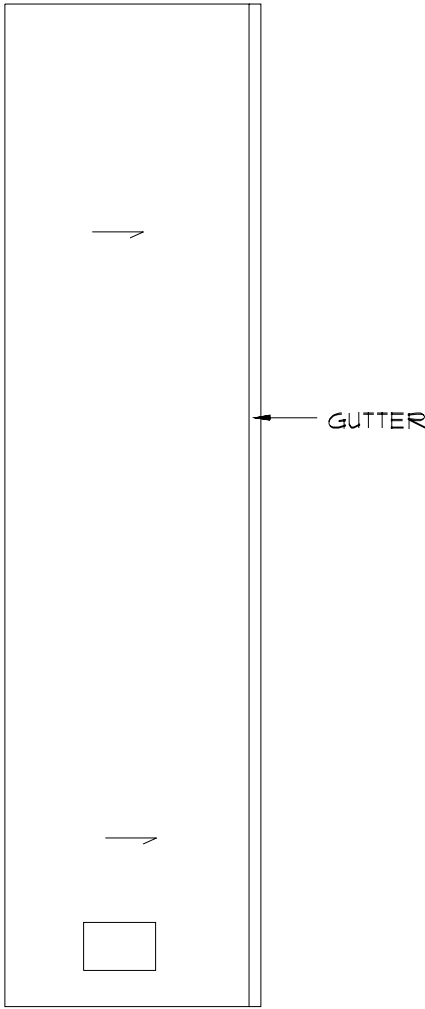
Roof Corrective Action



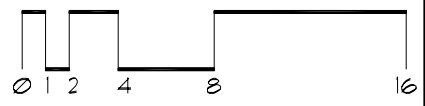
- SYMBOLS KEY**
- ROOF DRAIN
 - Ⓢ DEFECT-REPAIR
 - ≡ SCUPPER



Roof Corrective Action



SYMBOLS KEY
□ ROOF CURB
→ SLOPE DIRECTION



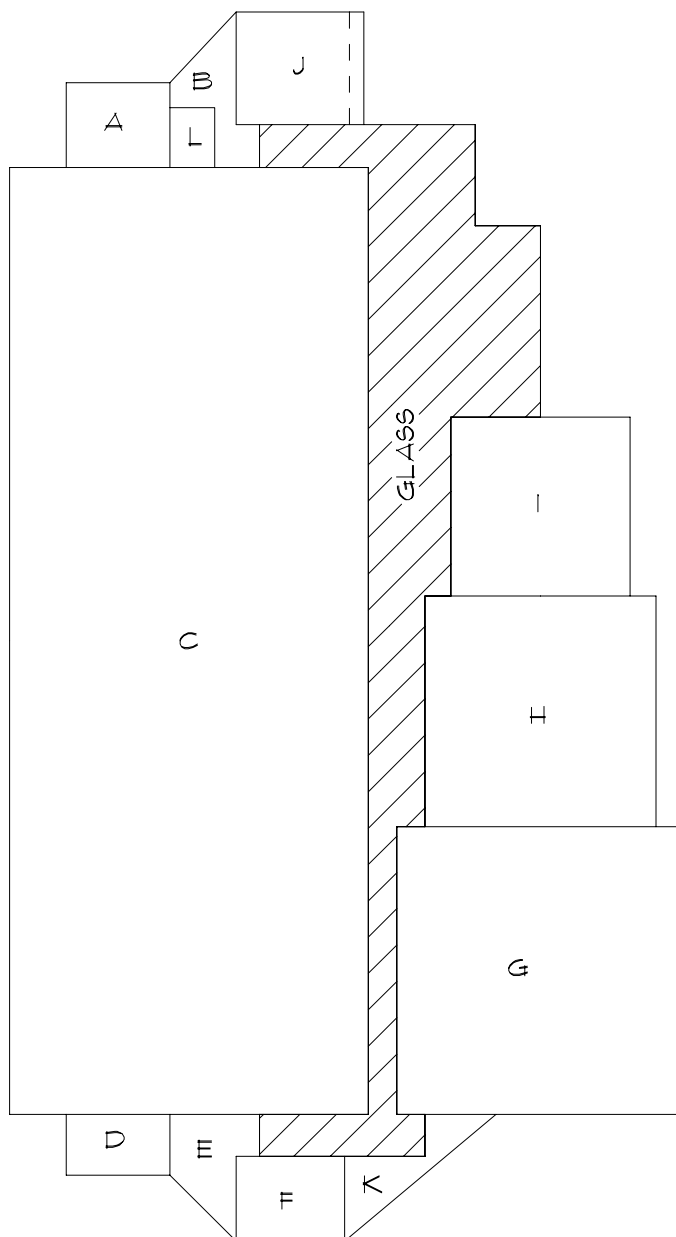
Roof ID

Building: SP412 - Classroom Office Bldg - (1994 Buford Ave, St. Paul)

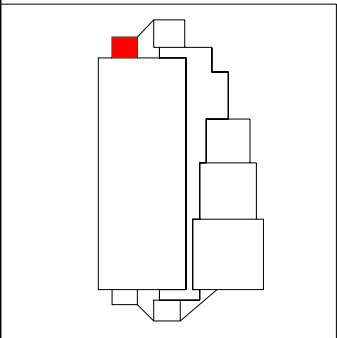
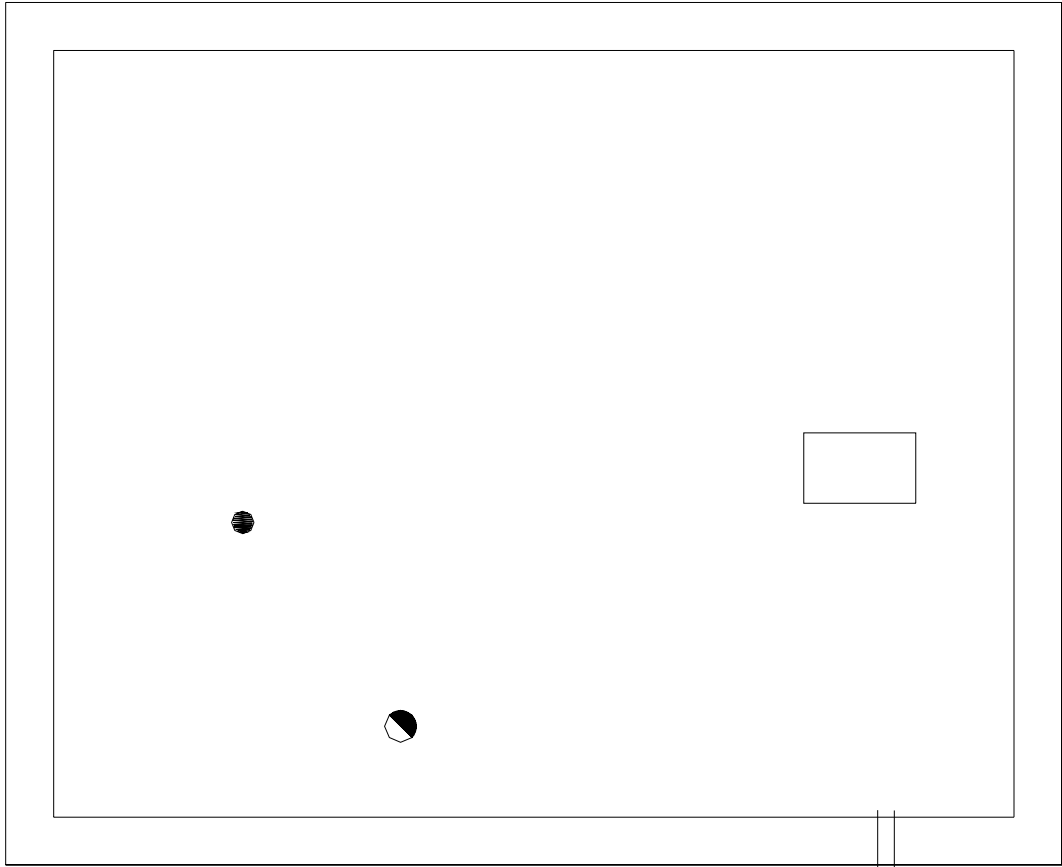
Roof Access: Enter door area D, hallway to elevator, to top floor, staircase to roof hatch; Ladder for areas G,H,I

Total Area: 25,502 sf

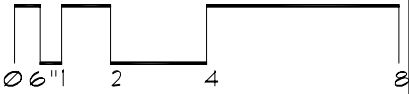
<u>A</u>	<u>396</u> sf	<u>E</u>	<u>354</u> sf	<u>I</u>	<u>1,444</u> sf
<u>B</u>	<u>354</u> sf	<u>F</u>	<u>414</u> sf	<u>J</u>	<u>576</u> sf
<u>C</u>	<u>15,200</u> sf	<u>G</u>	<u>3,721</u> sf	<u>K</u>	<u>284</u> sf
<u>D</u>	<u>286</u> sf	<u>H</u>	<u>2,401</u> sf	<u>L</u>	<u>72</u> sf



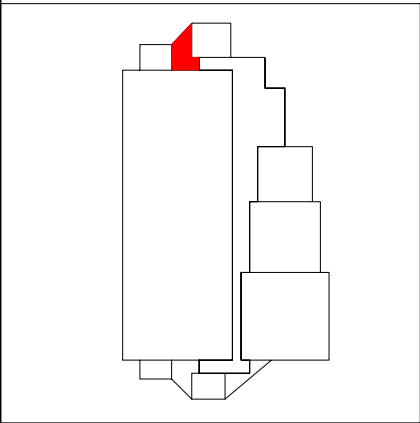
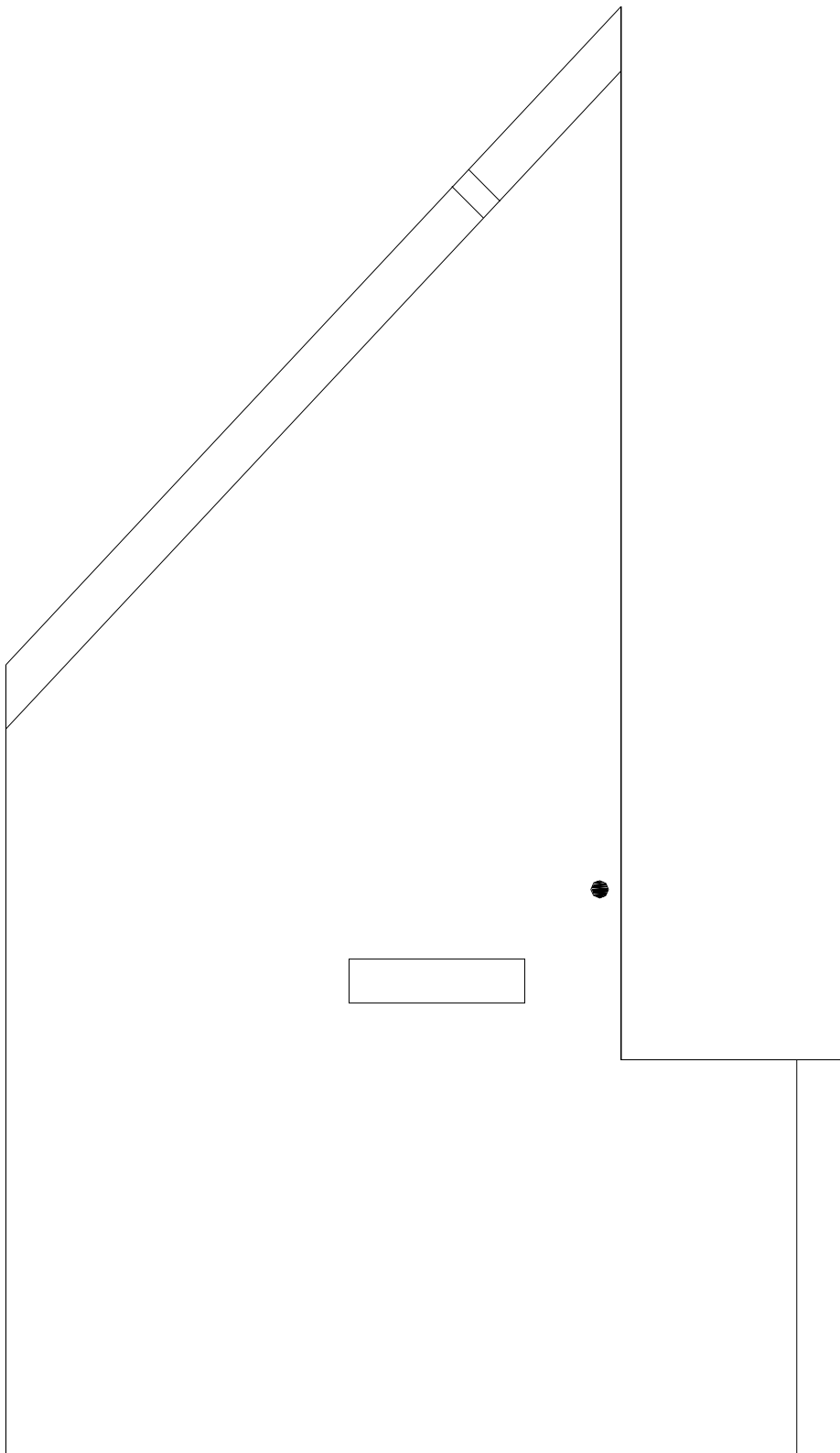
Roof Corrective Action



- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - ◐ HEAT STACK DEFECT-REPAIR

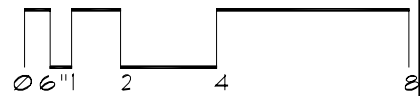


Roof Corrective Action

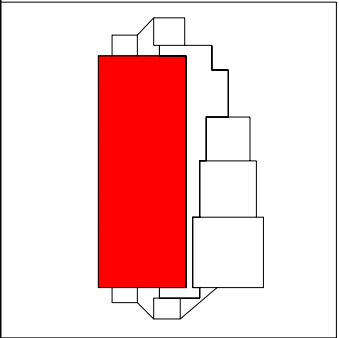
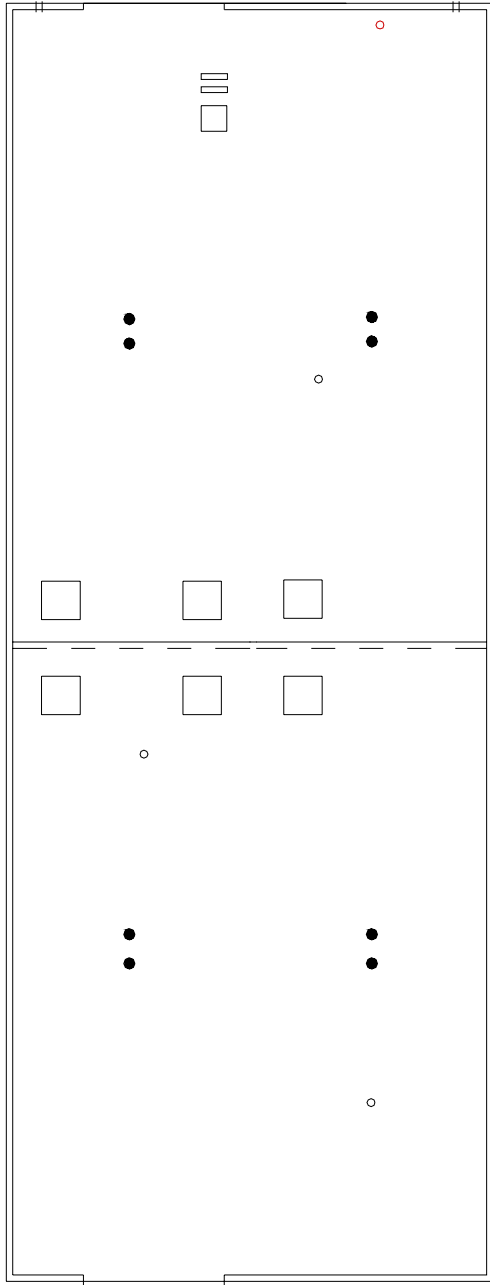


SYMBOLS KEY

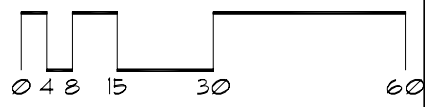
- STAIRS
- ROOF DRAIN
- Ⓢ DEFECT-REPAIR



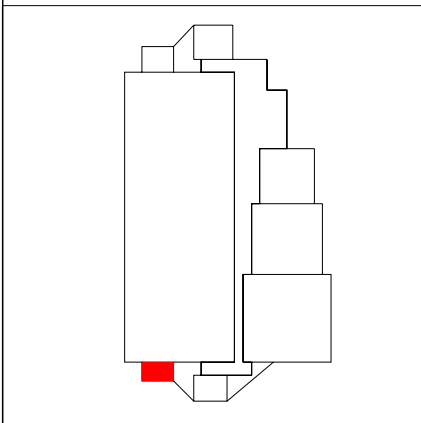
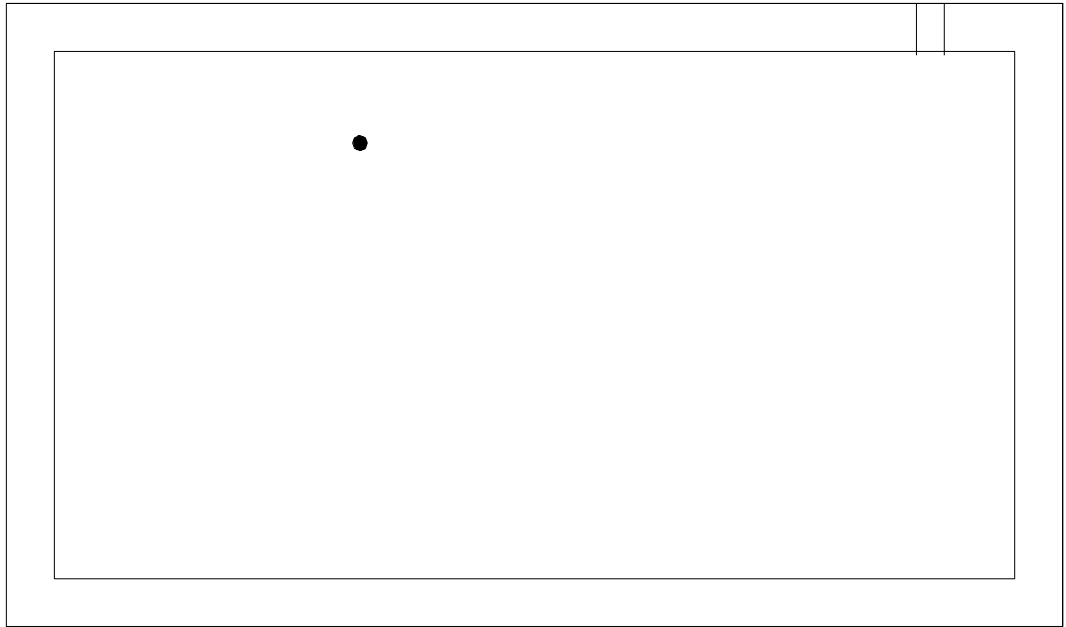
Roof Corrective Action



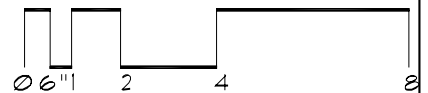
- SYMBOLS KEY**
- ROOF CURB
 - ▤ SLEEPER CURB
 - ROOF DRAIN
 - VENT STACK
 - ⊕ SCUPPER
 - Ⓢ DEFECT-REPAIR



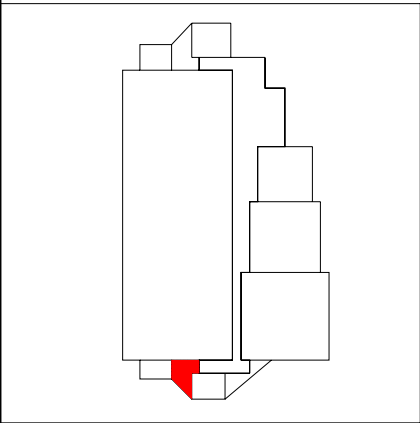
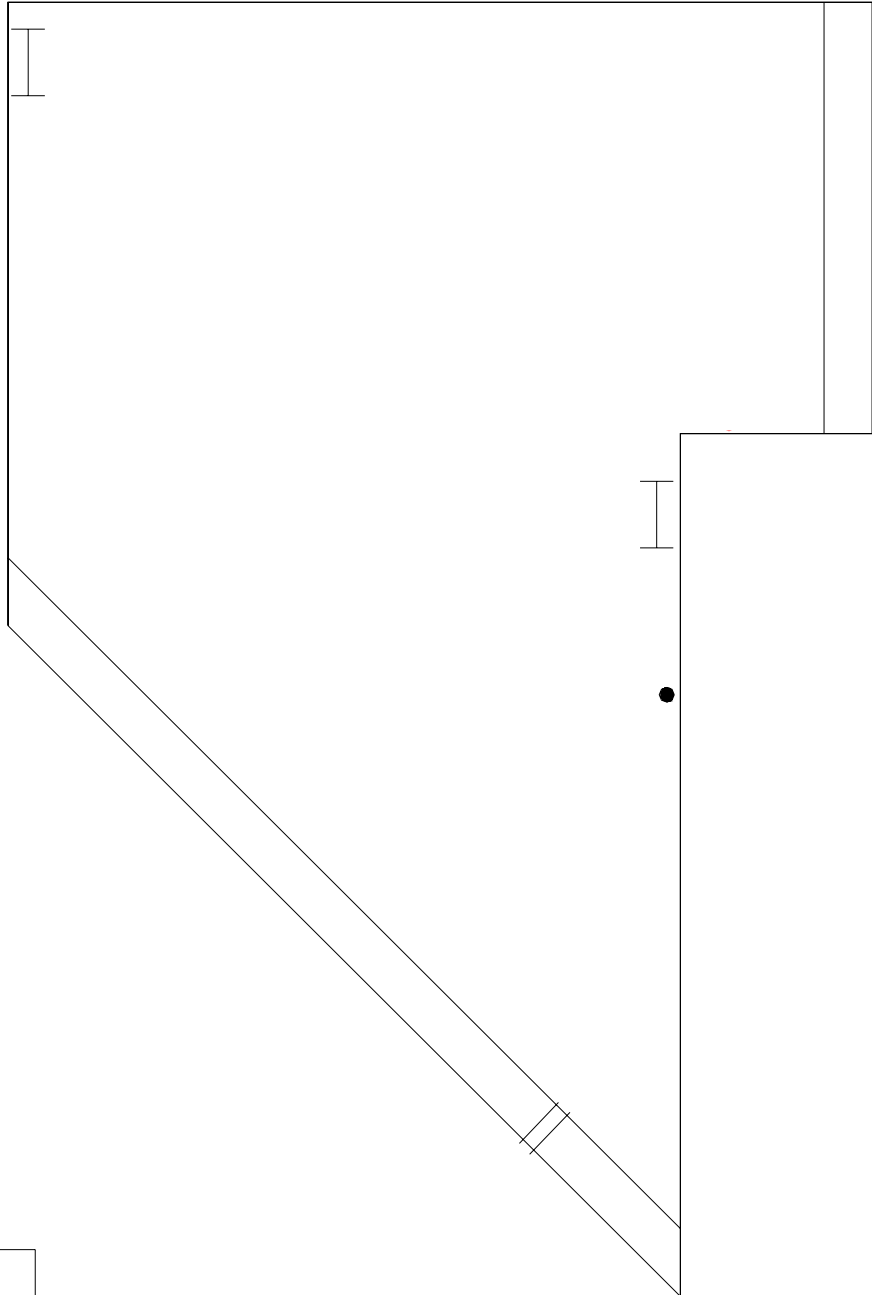
Roof Corrective Action



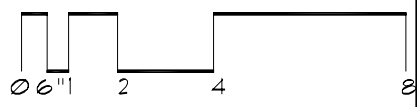
SYMBOLS KEY
|| SCUPPER



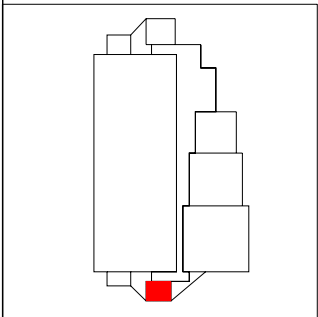
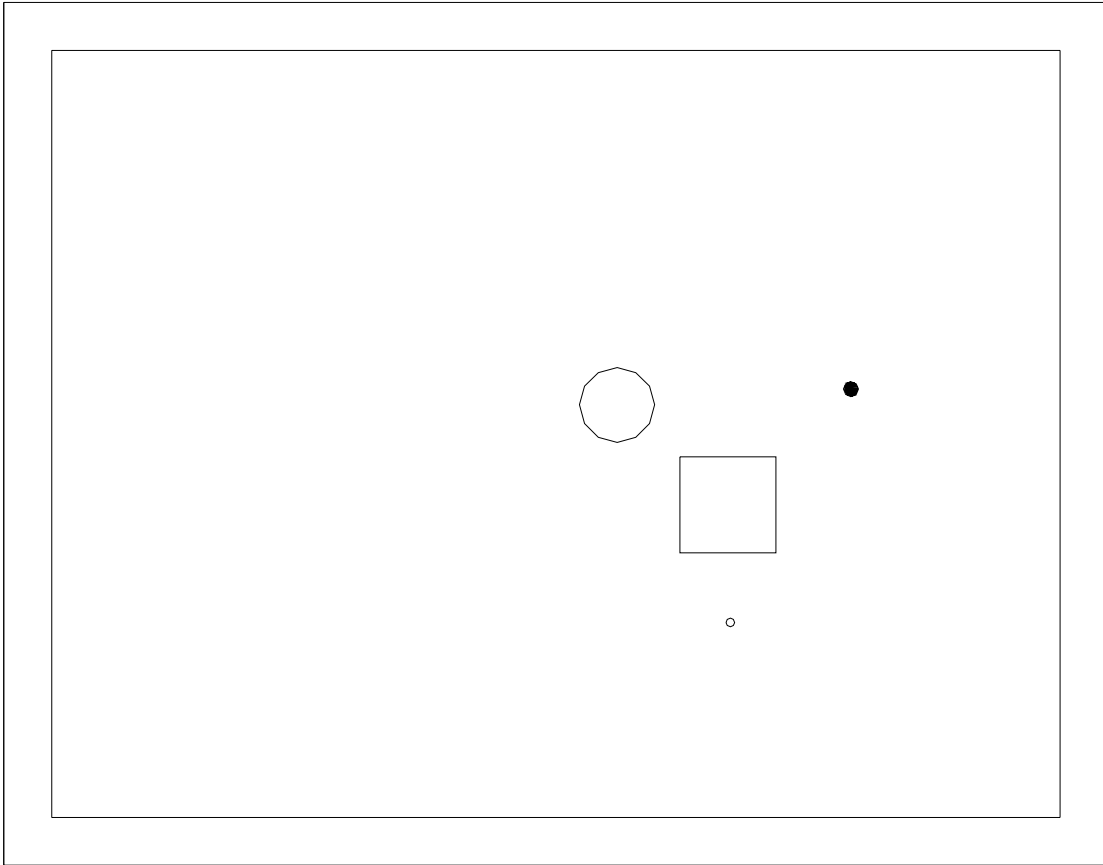
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - ⊕ SCUPPER
 - I LADDER
 - Ⓢ DEFECT-REPAIR

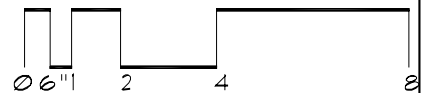


Roof Corrective Action

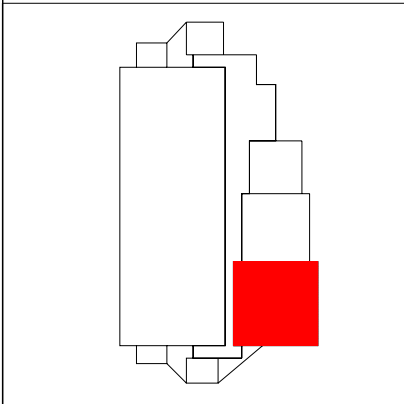
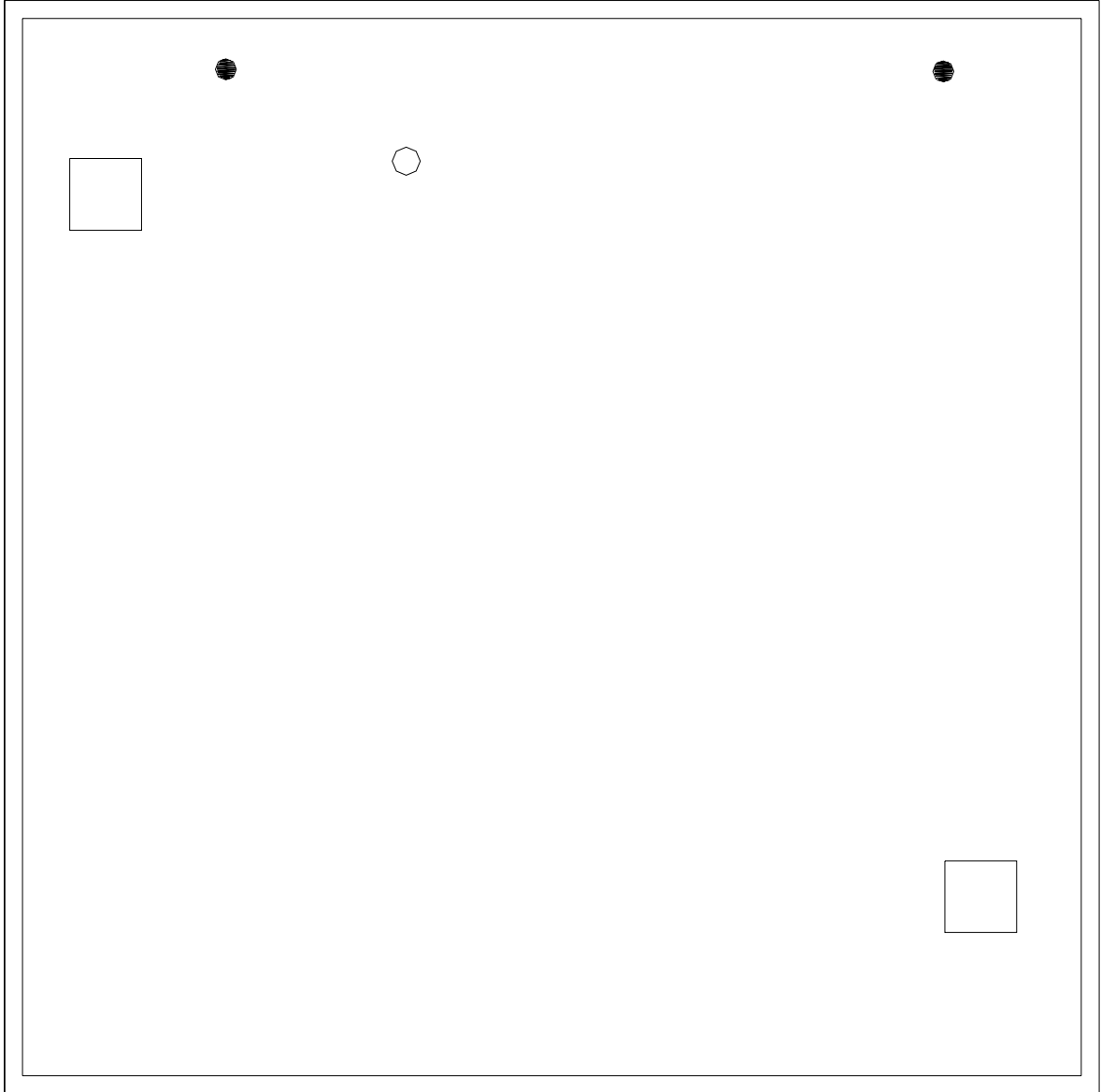


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK

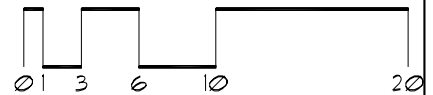


Roof Corrective Action

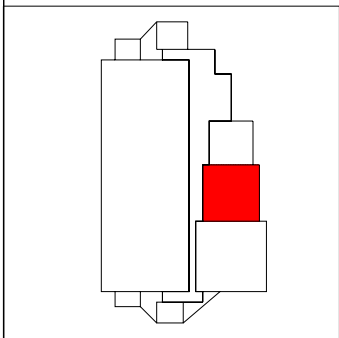
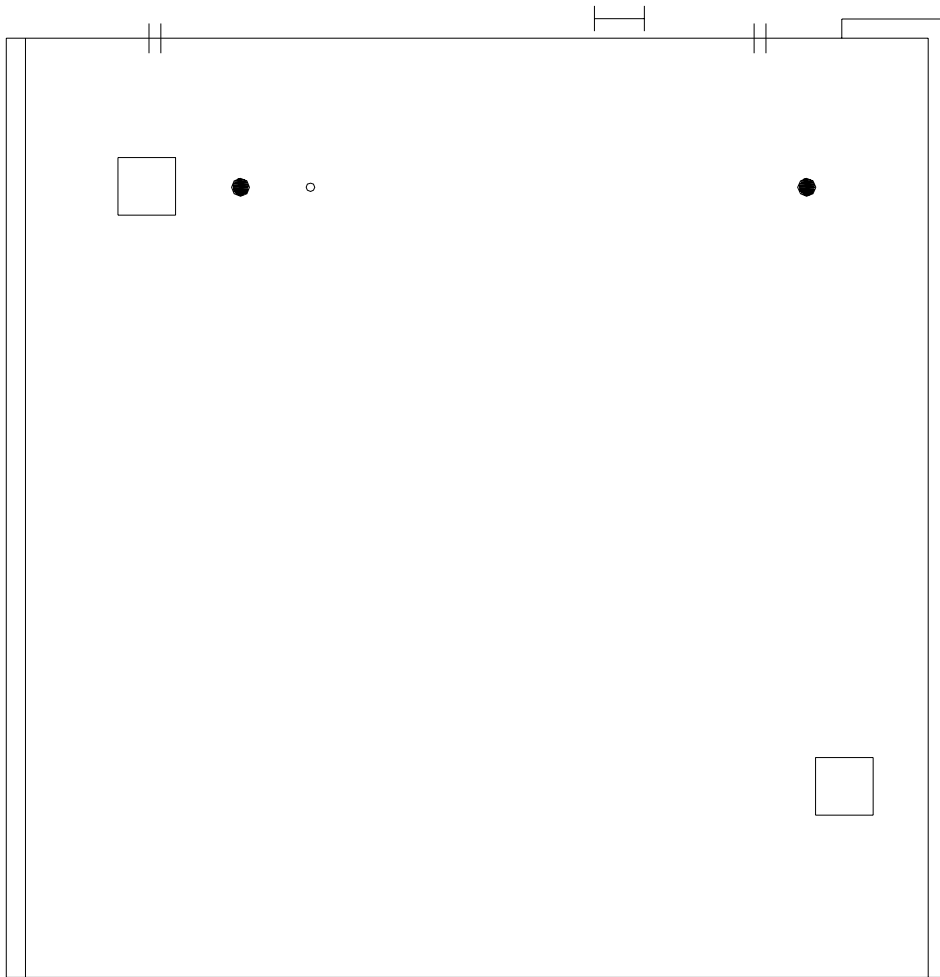


SYMBOLS KEY

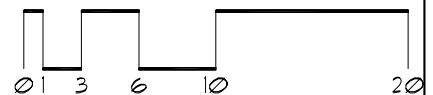
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- Ⓢ DEFECT-REPAIR



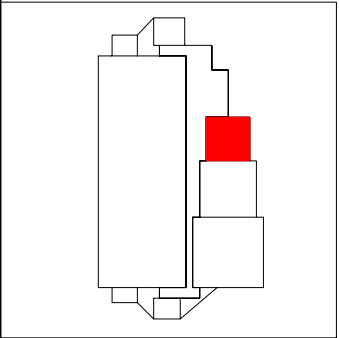
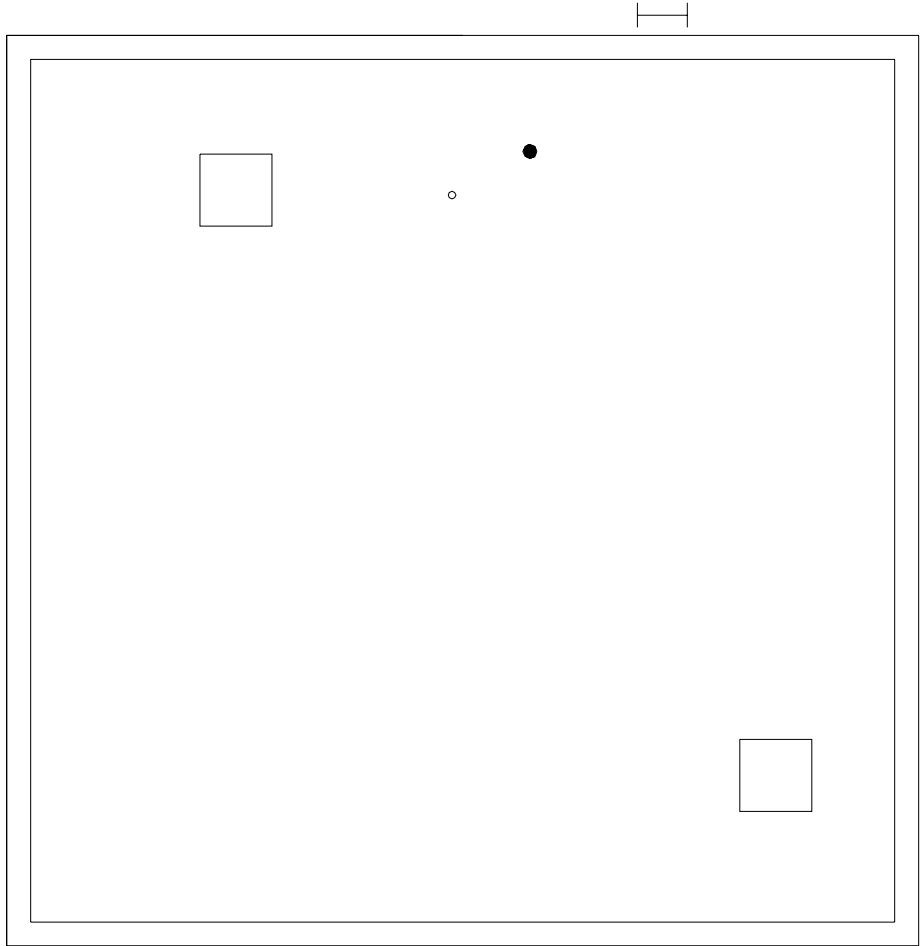
Roof Corrective Action



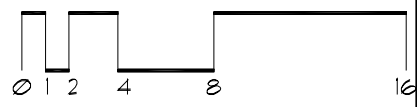
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - I LADDER
 - ① DEFECT-REPAIR



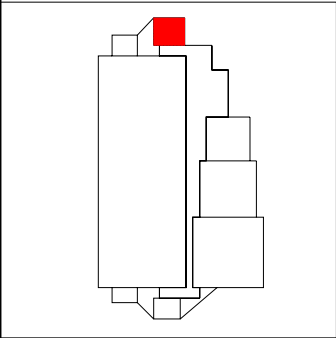
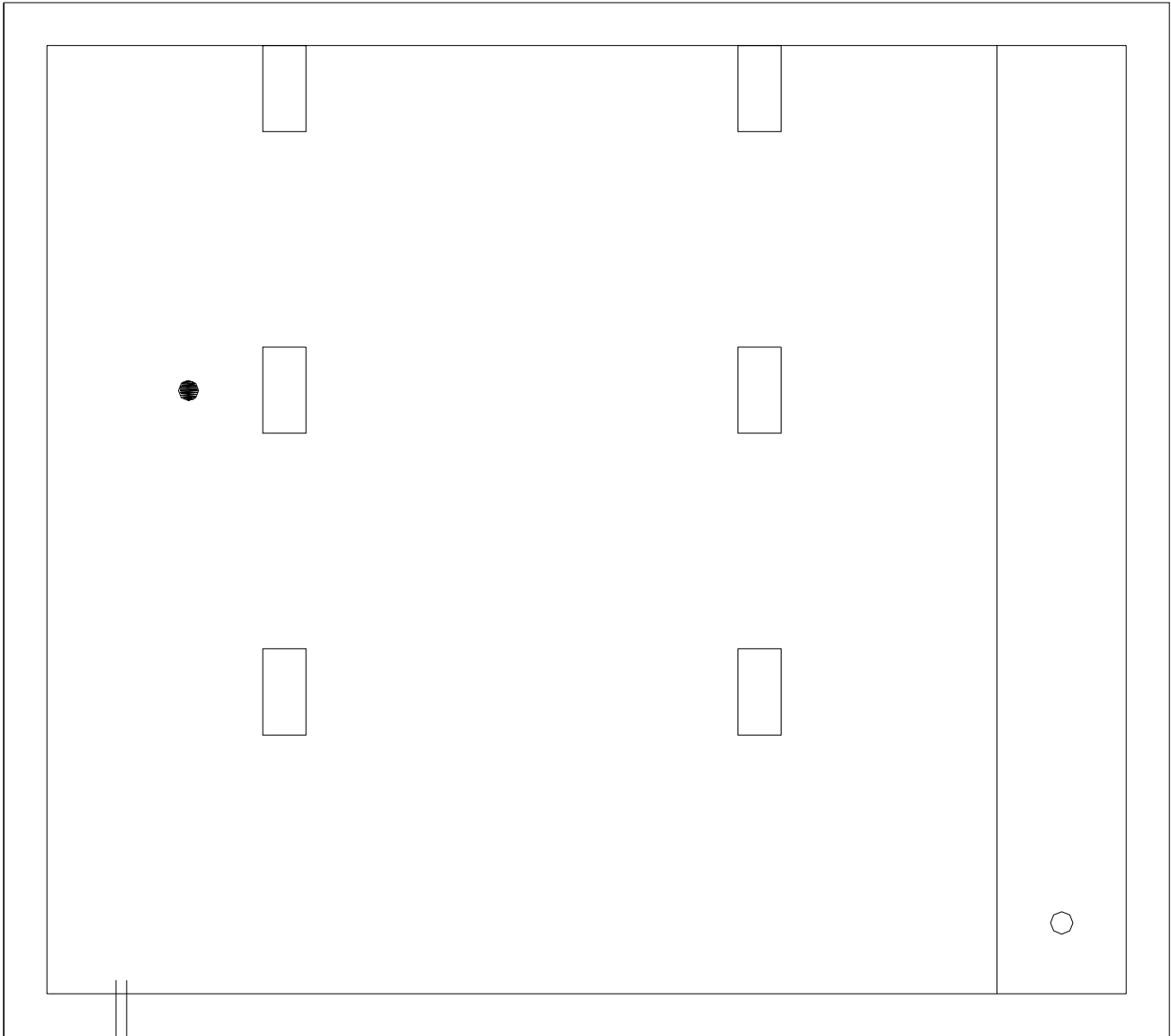
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - I LADDER
 - Ⓜ DEFECT-REPAIR



Roof Corrective Action

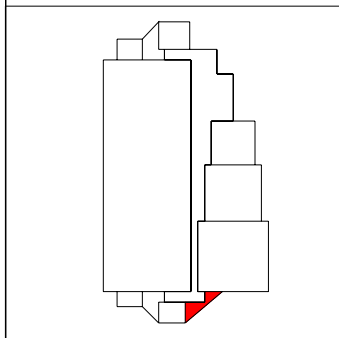
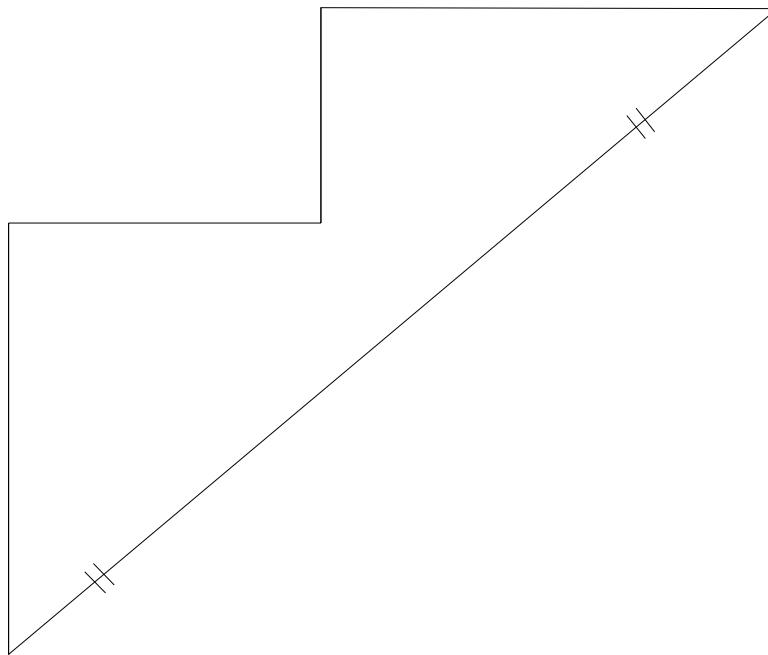


SYMBOLS KEY

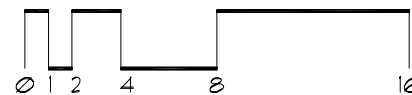
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- || SCUPPER
- Ⓜ DEFECT-REPAIR



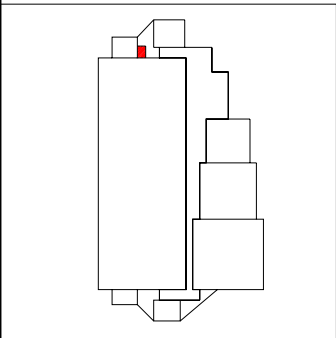
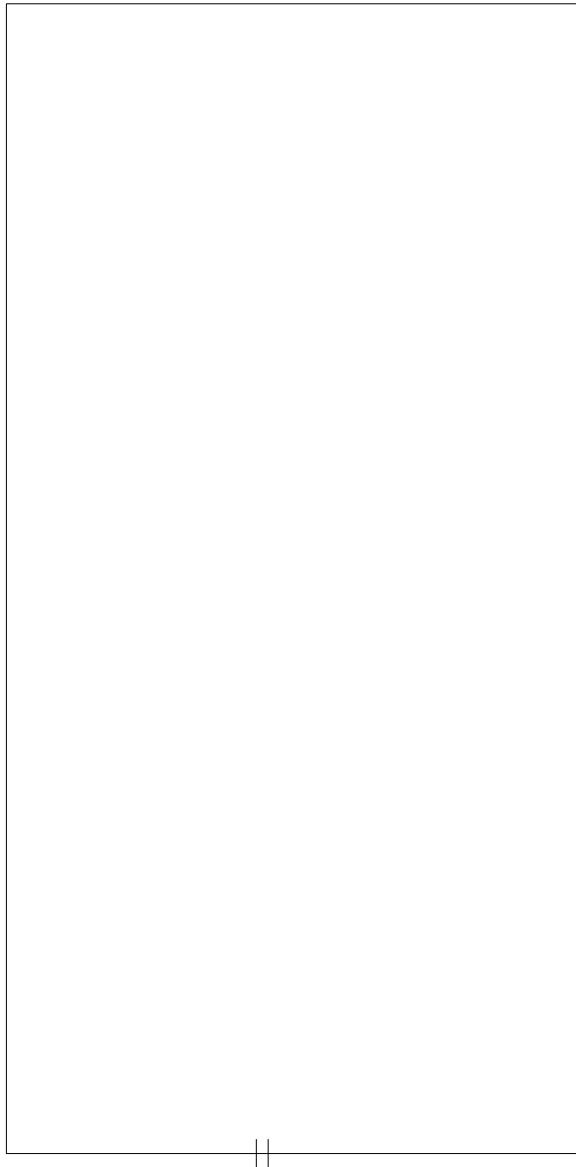
Roof Corrective Action



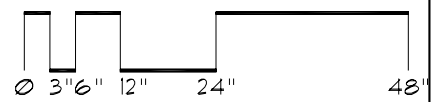
SYMBOLS KEY
|| SCUPPER
ⓐ DEFECT-REPAIR



Roof Corrective Action



SYMBOLS KEY
|| SCUPPER
Ⓢ DEFECT-REPAIR



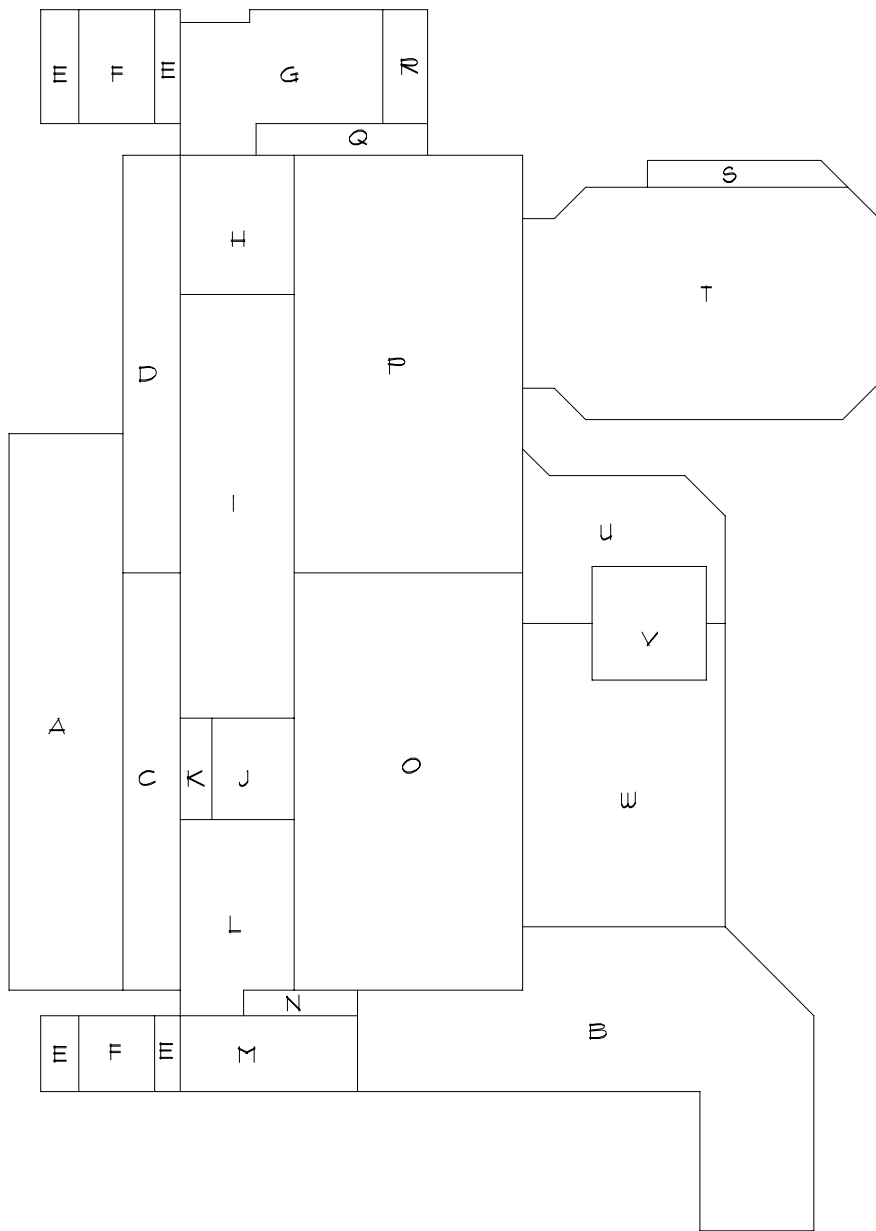
Roof ID

Building: SP413 - Andrew Boss Labs-Meat Science - (1354 Eckles Lab, St. Paul)

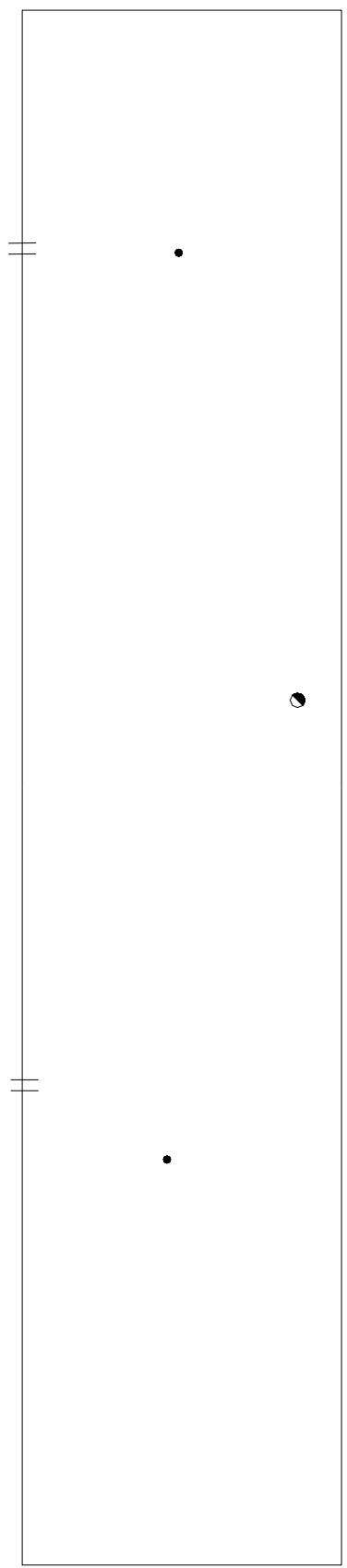
Roof Access: South stairwell to penthouse

Total Area: 18,273 sf

A	1,584 sf	E	260 sf	I	1,206 sf	M	182 sf	Q	162 sf	U	630 sf
B	2,103 sf	F	312 sf	J	208 sf	N	60 sf	R	144 sf	V	321 sf
C	594 sf	G	609 sf	K	80 sf	O	2,376 sf	S	138 sf	W	1,374 sf
D	594 sf	H	396 sf	L	526 sf	P	2,376 sf	T	2,038 sf		

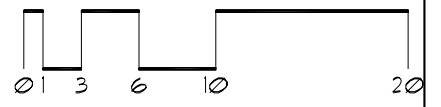
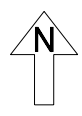
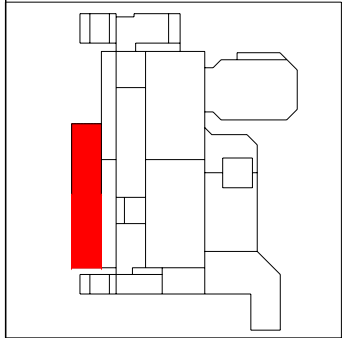


Roof Corrective Action

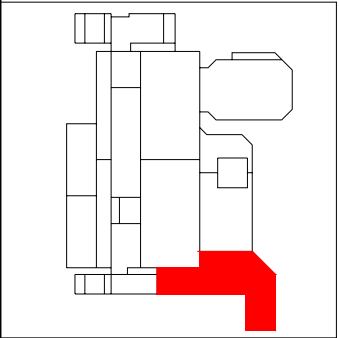
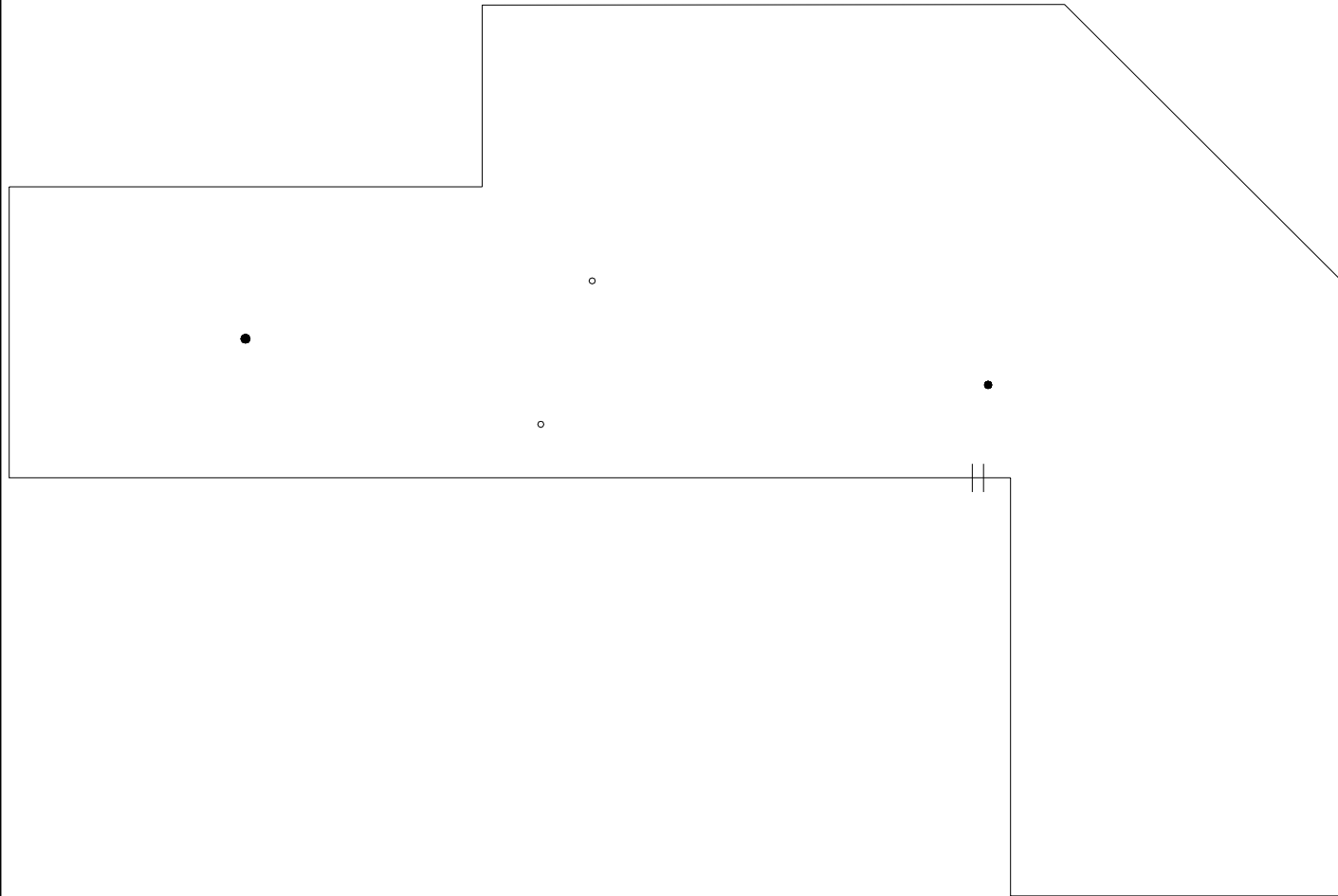


SYMBOLS KEY

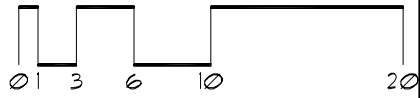
- ROOF DRAIN
- ⊖ DEFECT-NO REPAIR
- ⊕ DEFECT-REPAIR
- † SCUPPER
- HEAT STACK



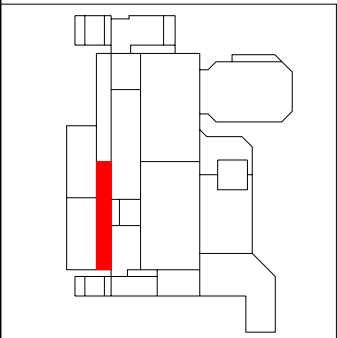
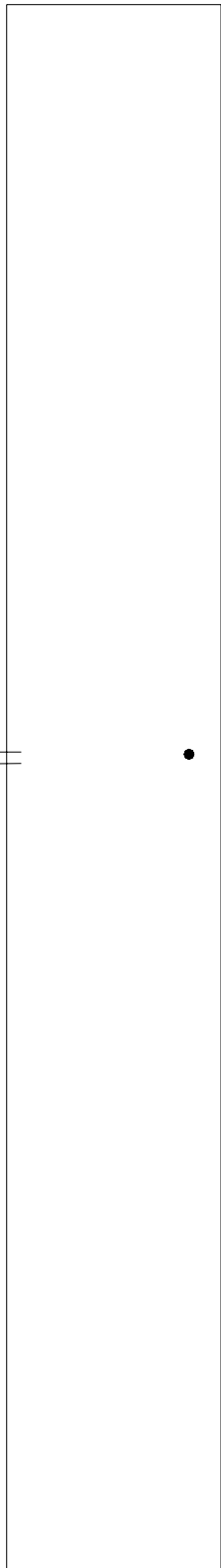
Roof Corrective Action



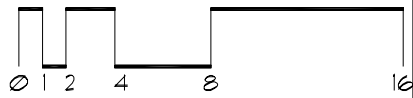
- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - Ⓜ DEFECT-REPAIR



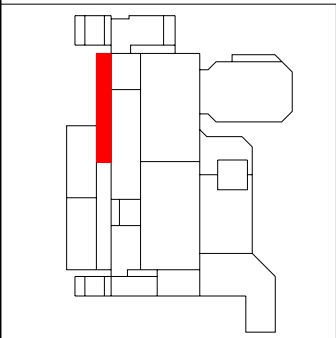
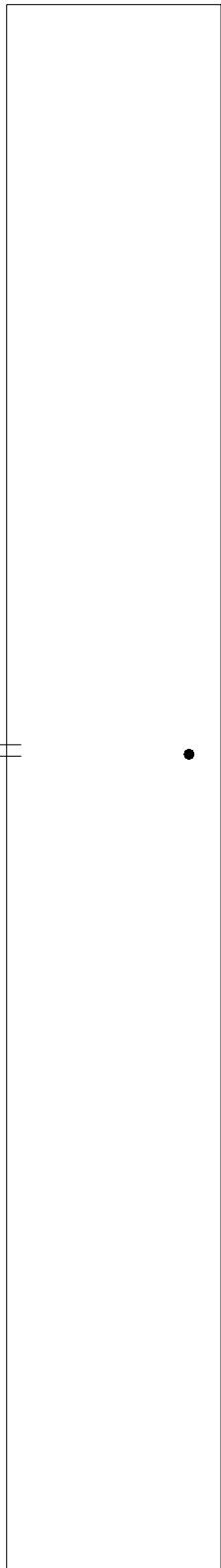
Roof Corrective Action



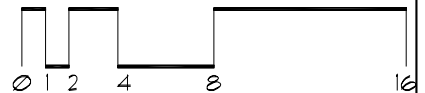
SYMBOLS KEY
• ROOF DRAIN
†† SCUPPER



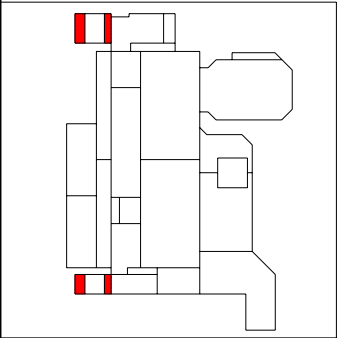
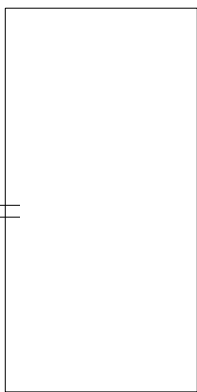
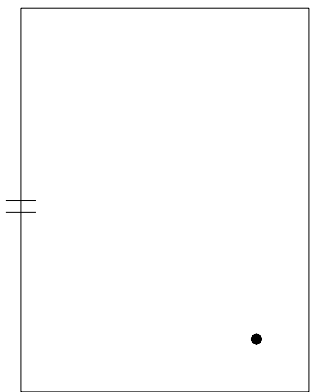
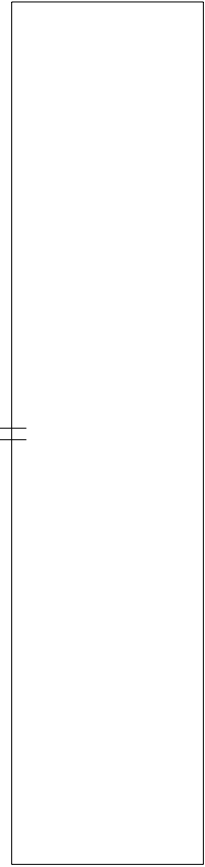
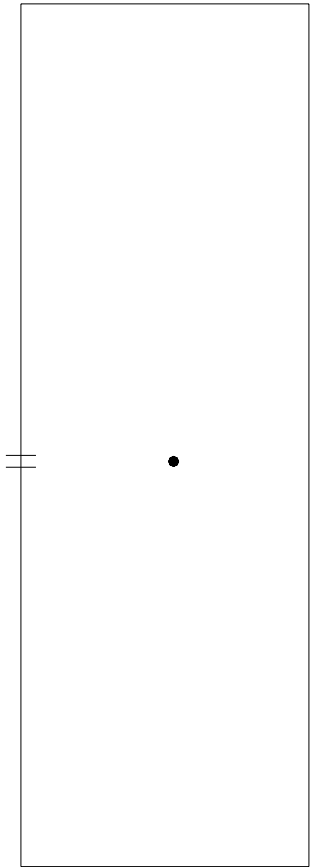
Roof Corrective Action



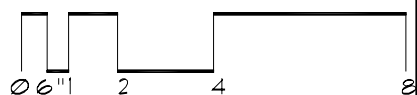
- SYMBOLS KEY
- ROOF DRAIN
 - † SCUPPER
 - Ⓢ DEFECT-REPAIR



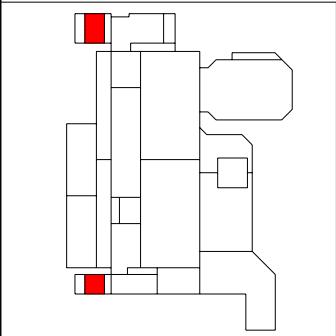
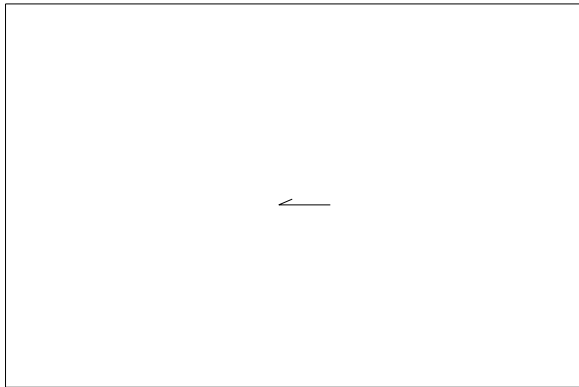
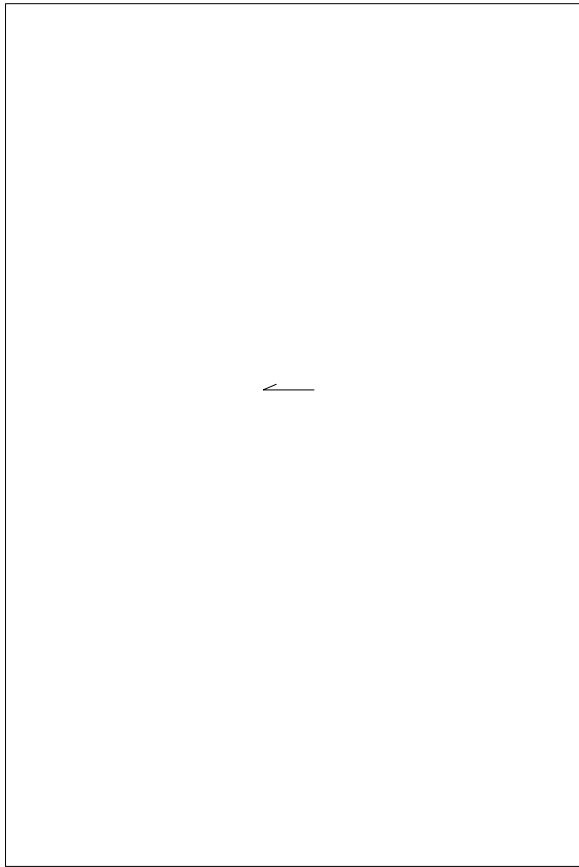
Roof Corrective Action



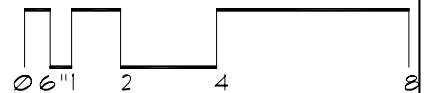
- SYMBOLS KEY**
- ROOF DRAIN
 - ⊖ DEFECT-REPAIR
 - ⊕ DEFECT-NO REPAIR
 - ≡ SCUPPER



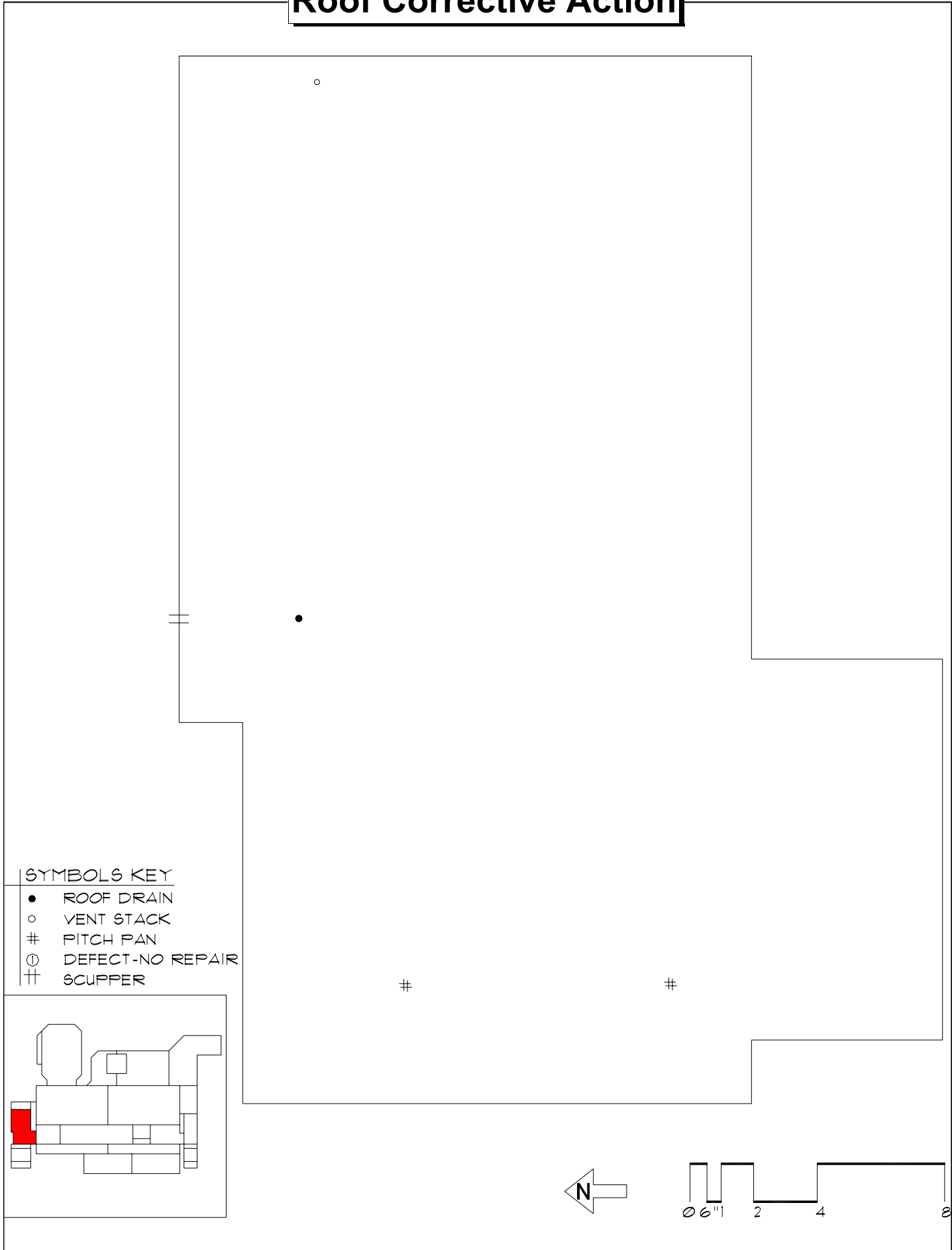
Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION
① DEFECT-REPAIR

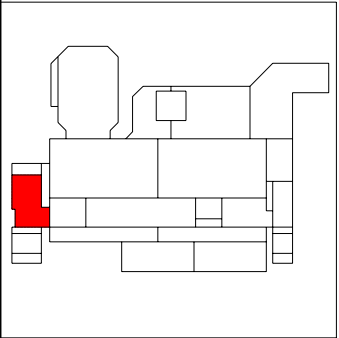


Roof Corrective Action

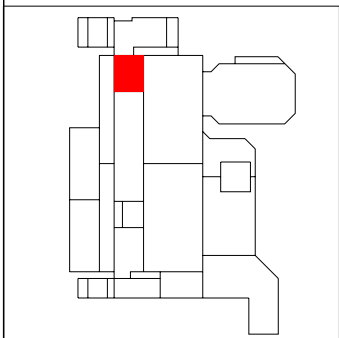
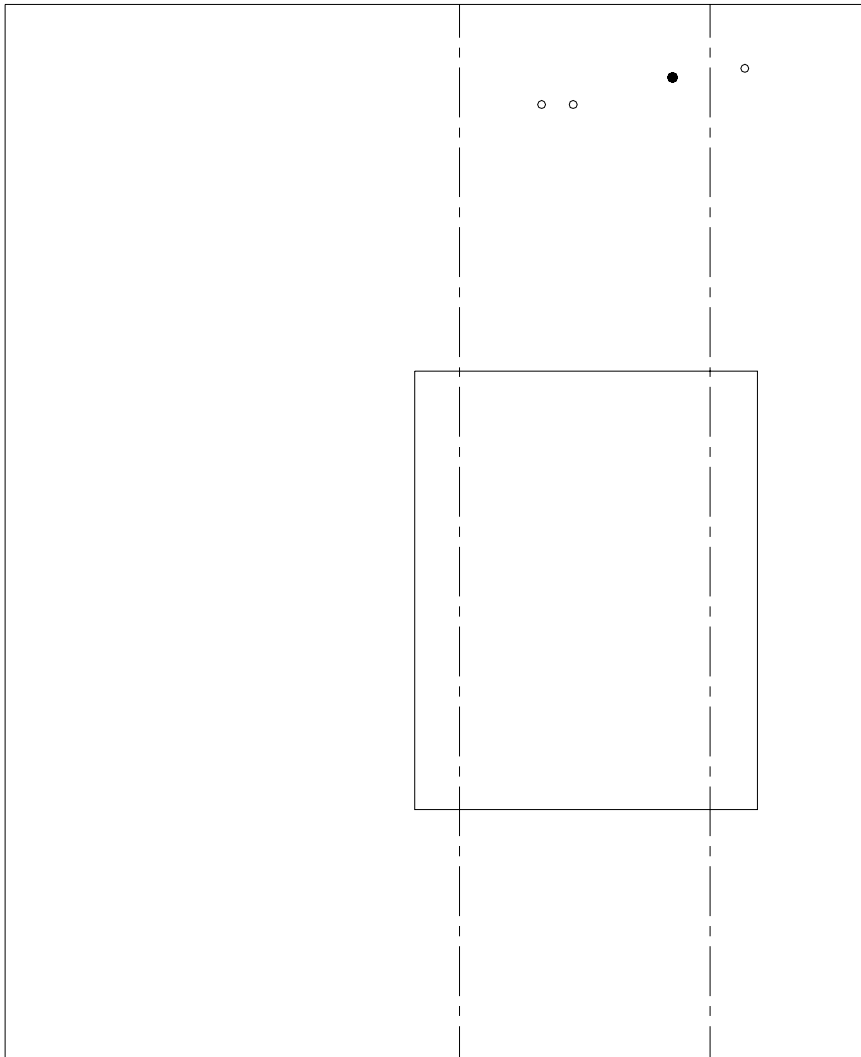


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- ⊖ DEFECT-NO REPAIR
- †† SCUPPER

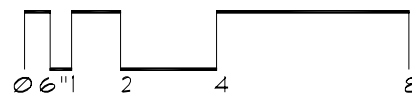


Roof Corrective Action

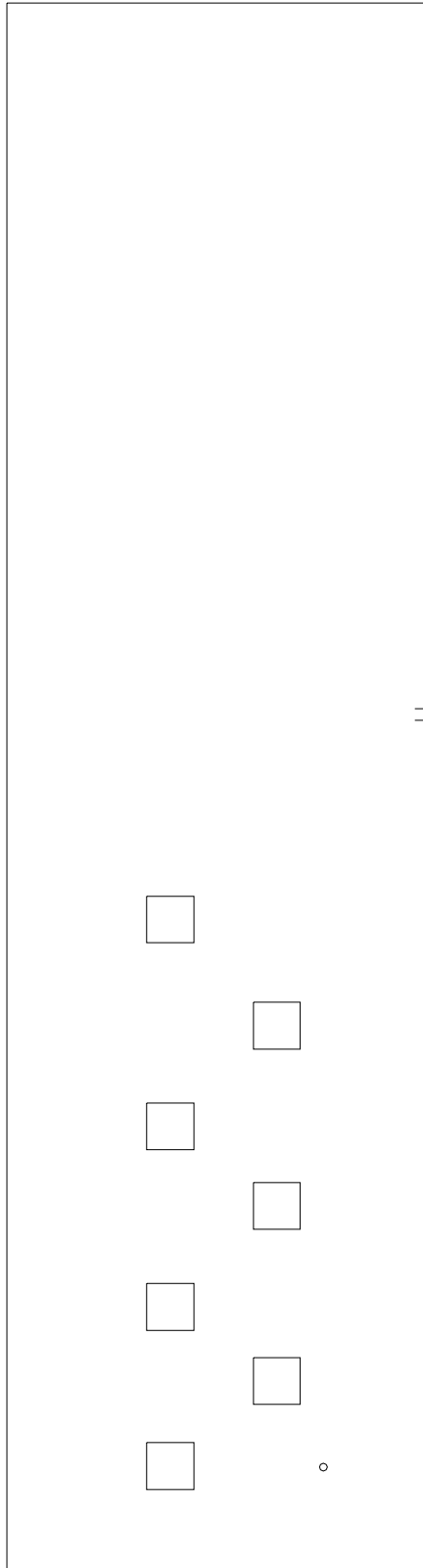


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- ⓪ DEFECT-NO REPAIR
- Ⓢ DEFECT-REPAIR

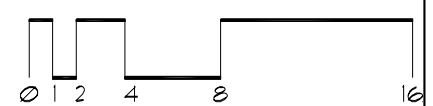
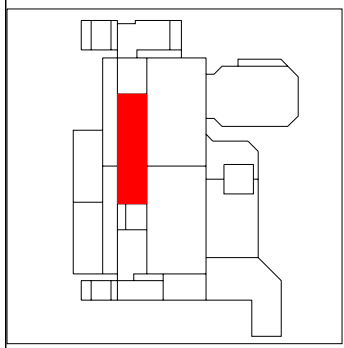


Roof Corrective Action

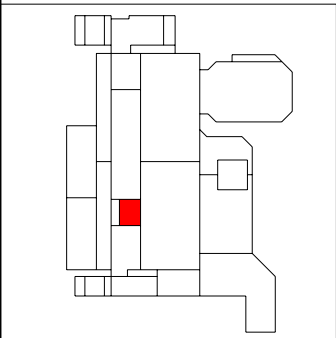
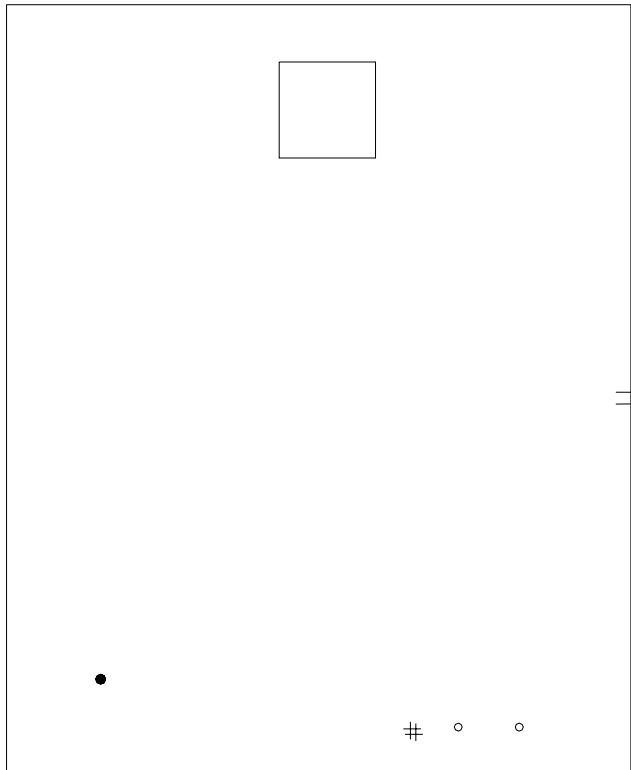


SYMBOLS KEY

□	ROOF CURB
†	SCUPPER
○	VENT STACK

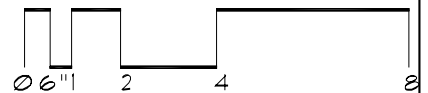


Roof Corrective Action

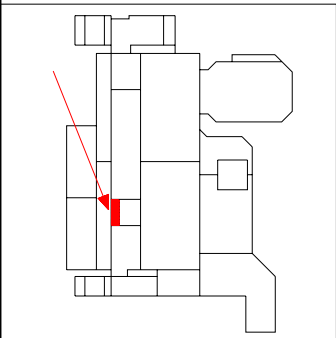
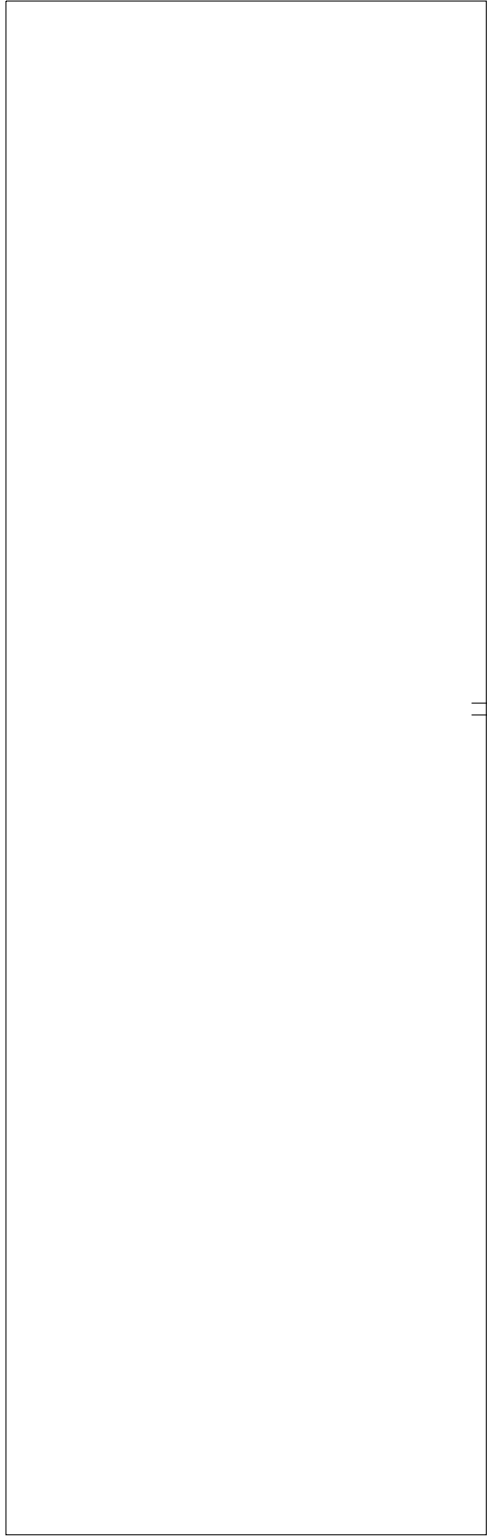


SYMBOLS KEY

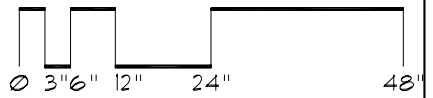
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- Ⓢ DEFECT-REPAIR
- # PITCH PAN



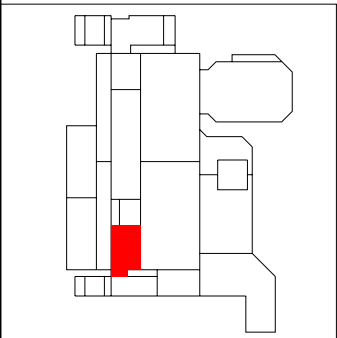
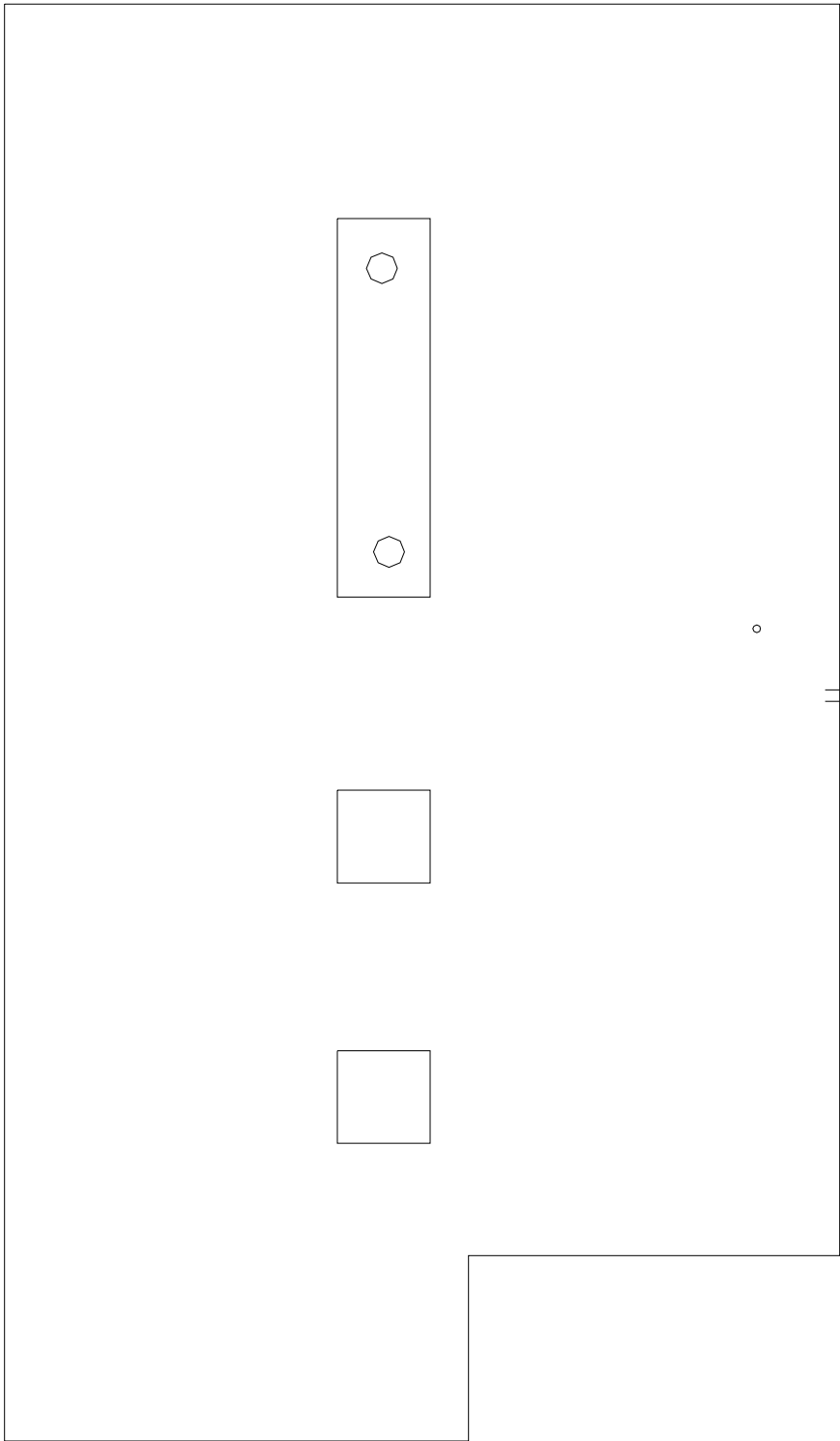
Roof Corrective Action



SYMBOLS KEY
⊥ SCUPPER
⊙ DEFECT-NO REPAIR

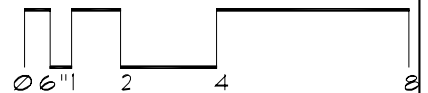


Roof Corrective Action

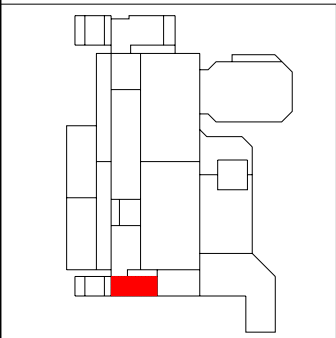
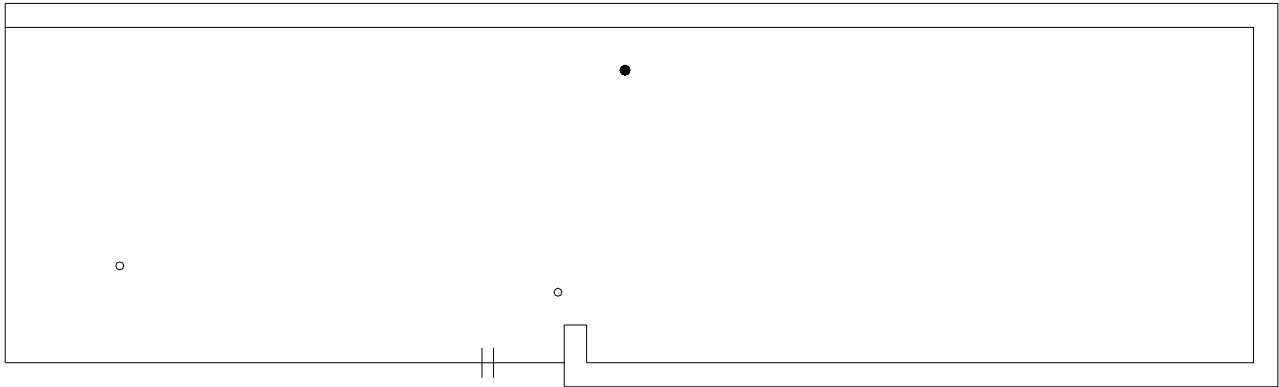


SYMBOLS KEY

- ROOF CURB
- VENT STACK
- ≡ SCUPPER

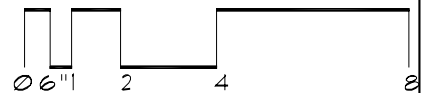


Roof Corrective Action

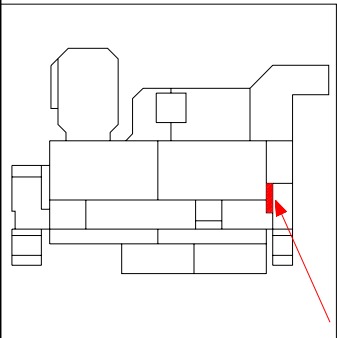
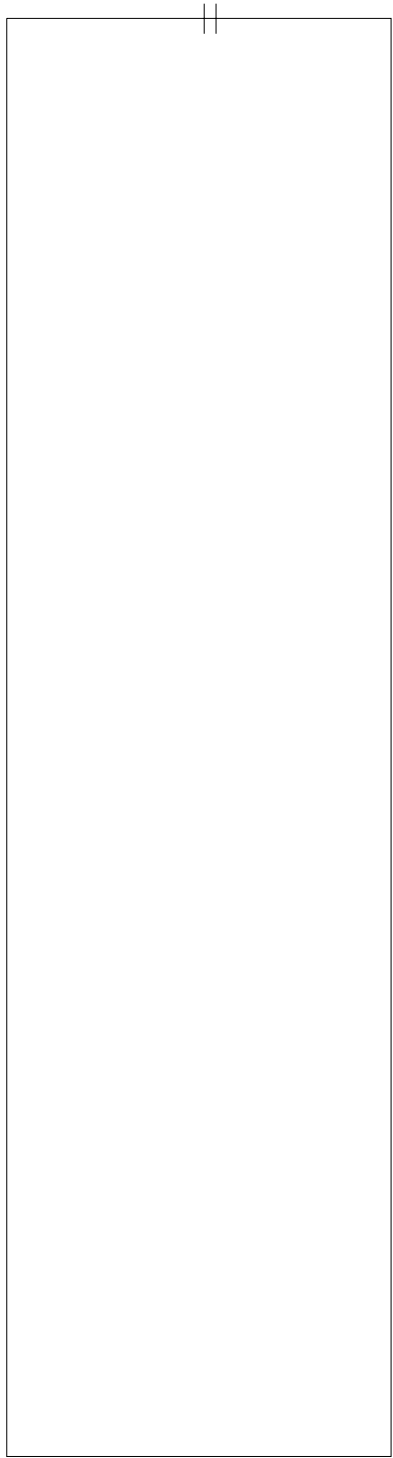


SYMBOLS KEY

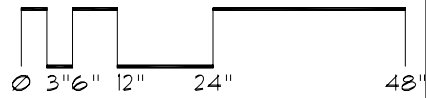
- ROOF DRAIN
- VENT STACK
- ① DEFECT-NO REPAIR



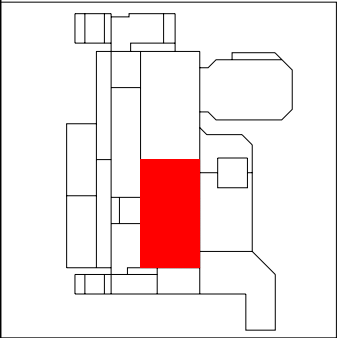
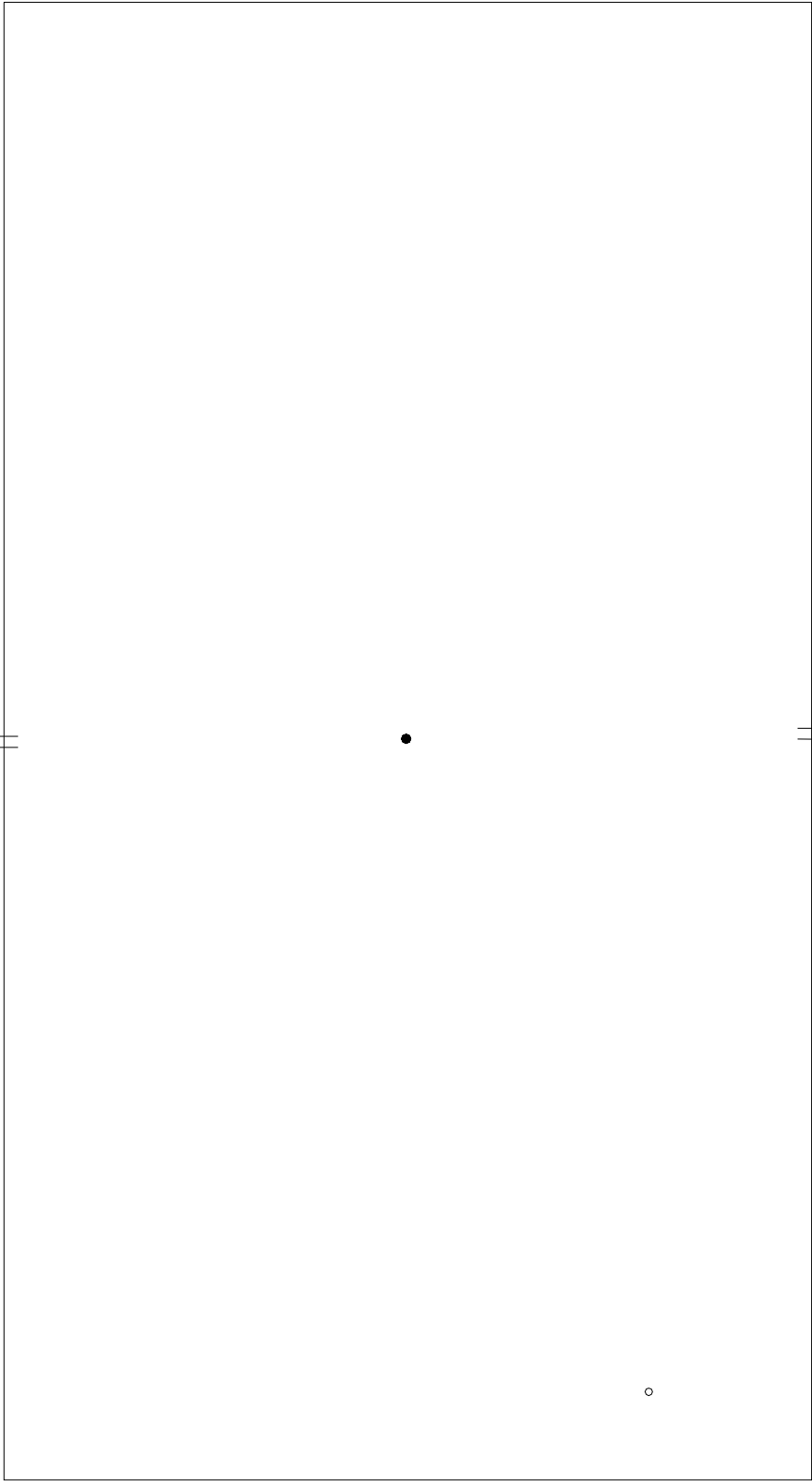
Roof Corrective Action



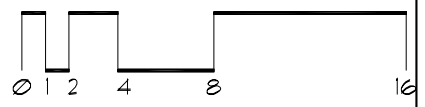
SYMBOLS KEY
|| SCUPPER
Ⓢ DEFECT-REPAIR



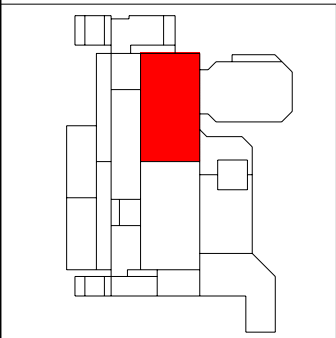
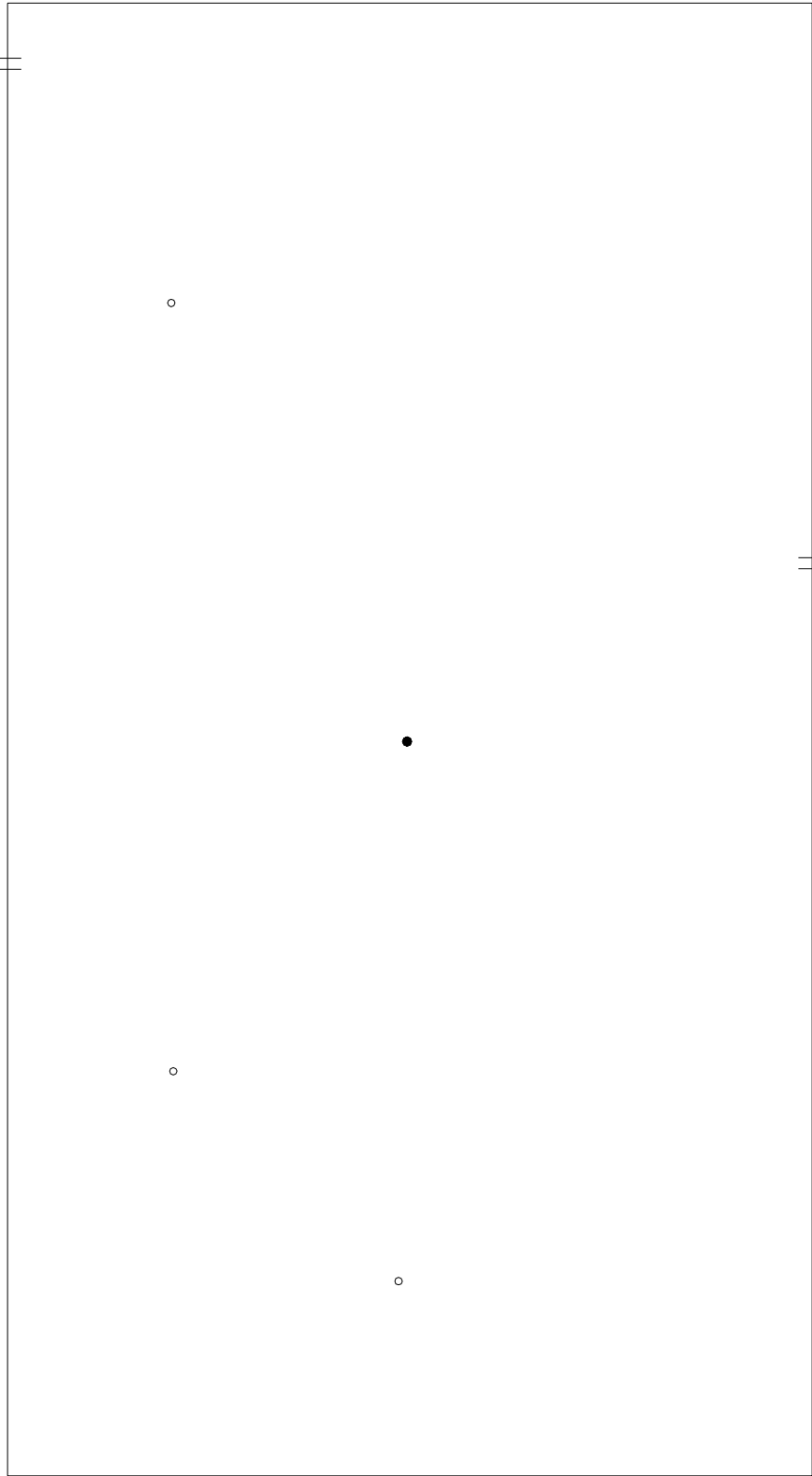
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - † SCUPPER
 - Ⓜ DEFECT-REPAIR

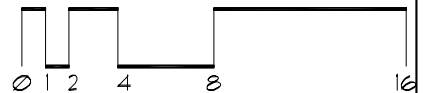


Roof Corrective Action

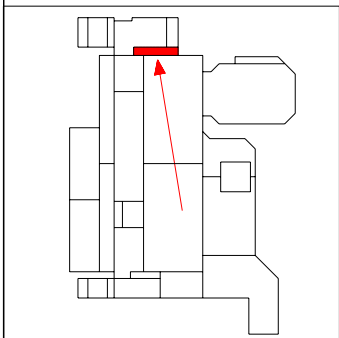
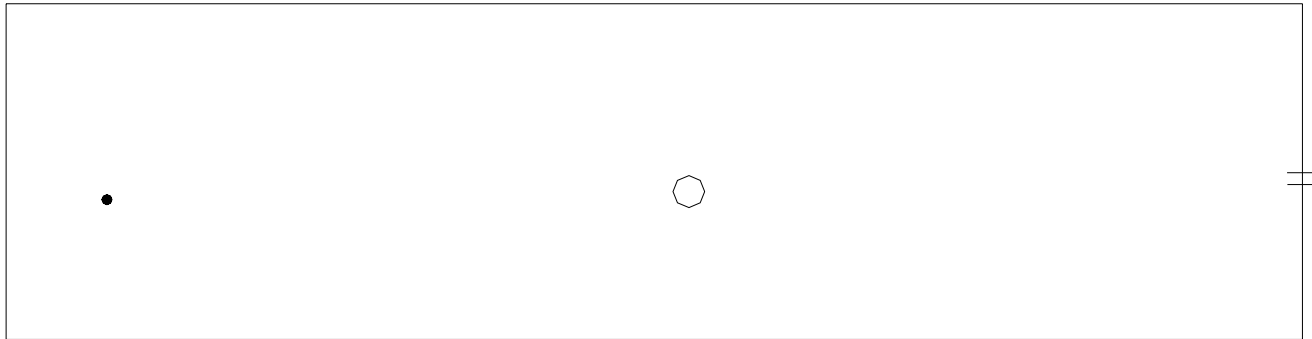


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- ⓪ DEFECT-NO REPAIR
- Ⓢ DEFECT-REPAIR

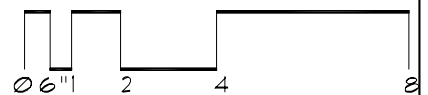


Roof Corrective Action

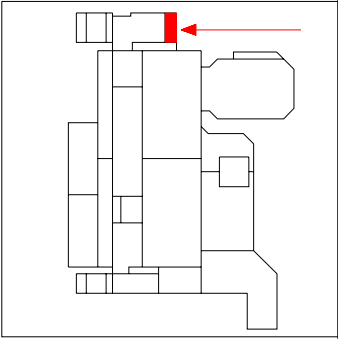
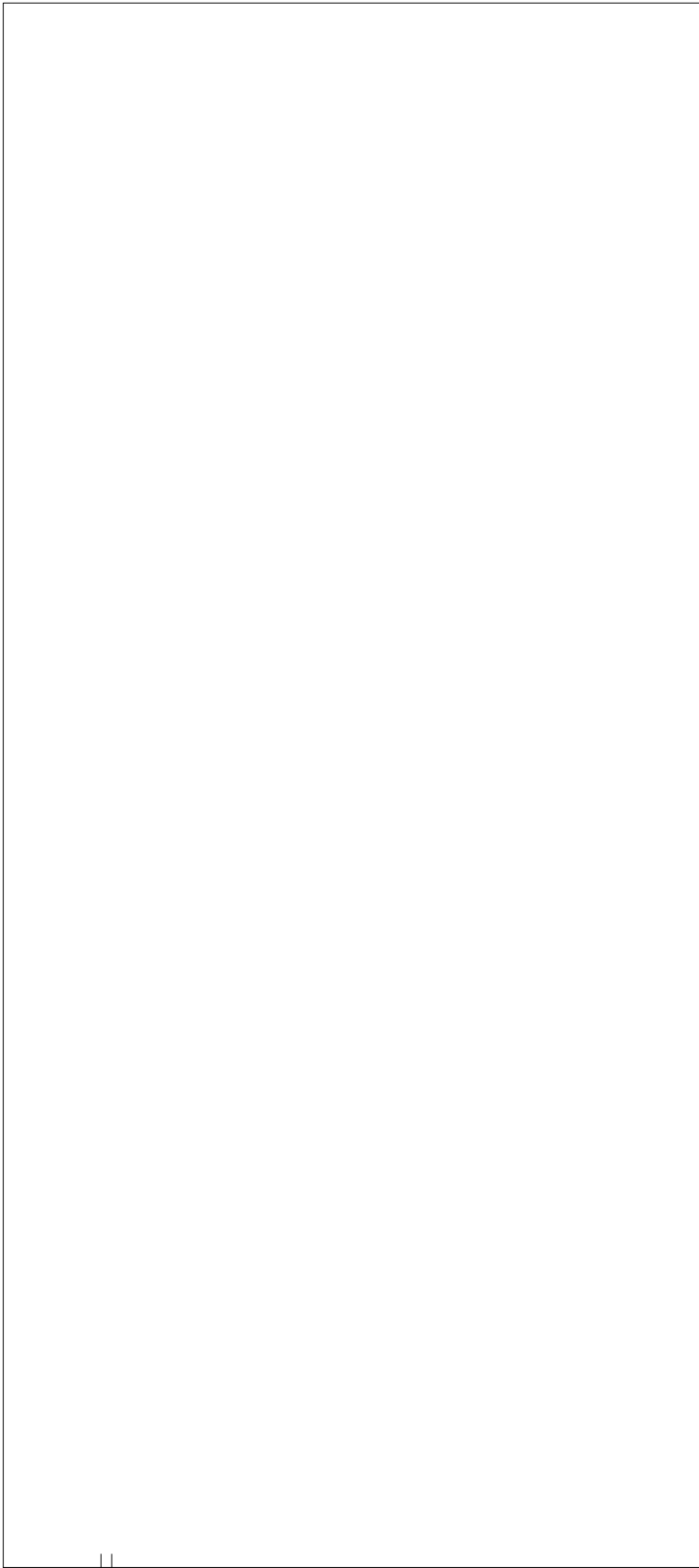


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- ⊖ DEFECT-REPAIR
- ≡ SCUPPER

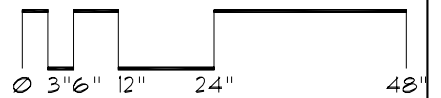


Roof Corrective Action

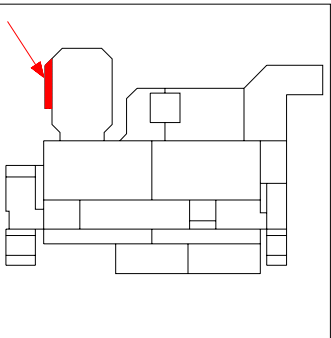
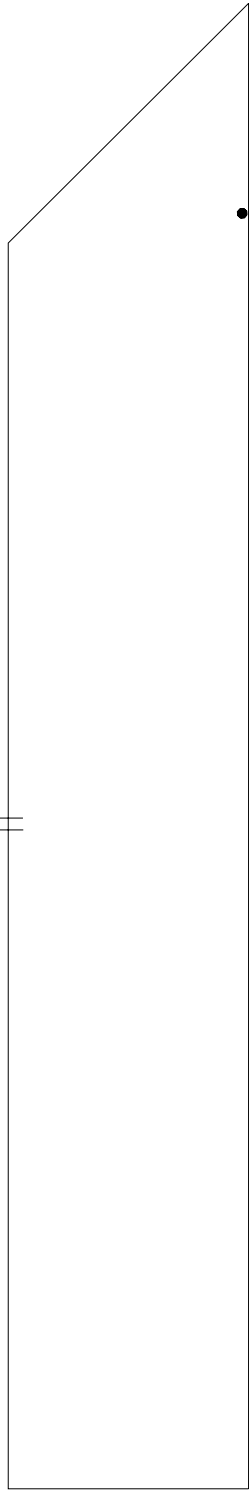


SYMBOLS KEY

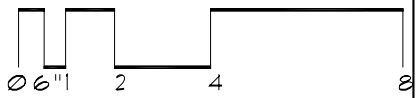
- †† SCUPPER
- Ⓢ DEFECT-REPAIR
- Ⓣ DEFECT-NO REPAIR



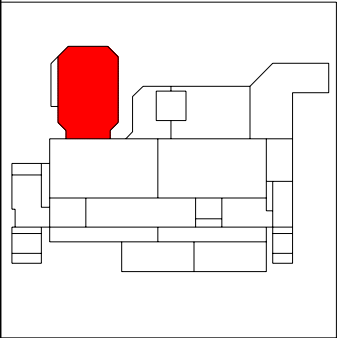
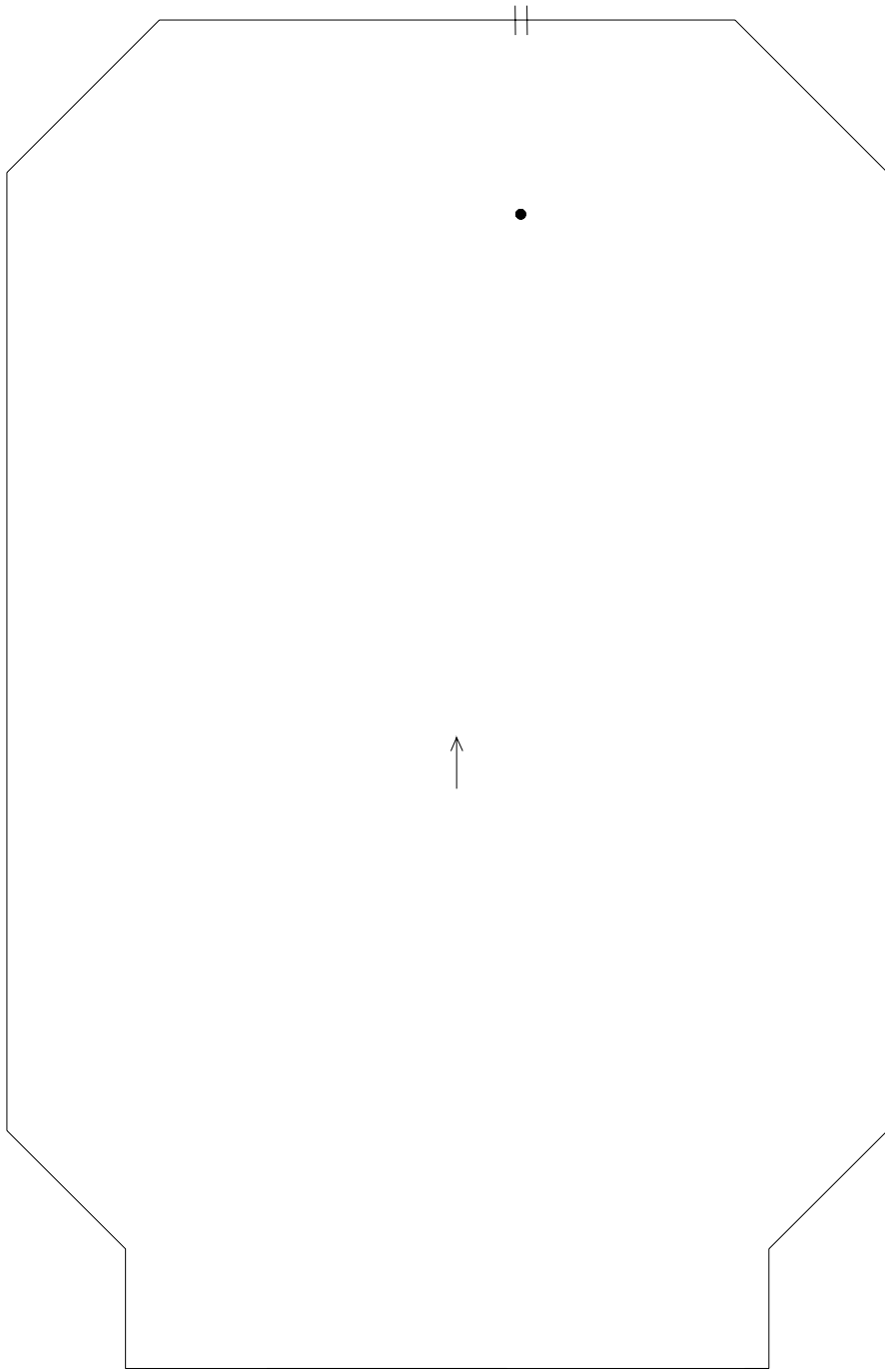
Roof Corrective Action



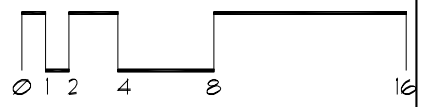
SYMBOLS KEY
|| SCUPPER
⓪ DEFECT-NO REPAIR



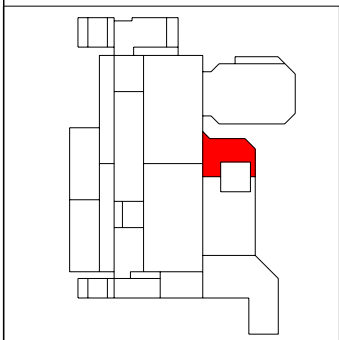
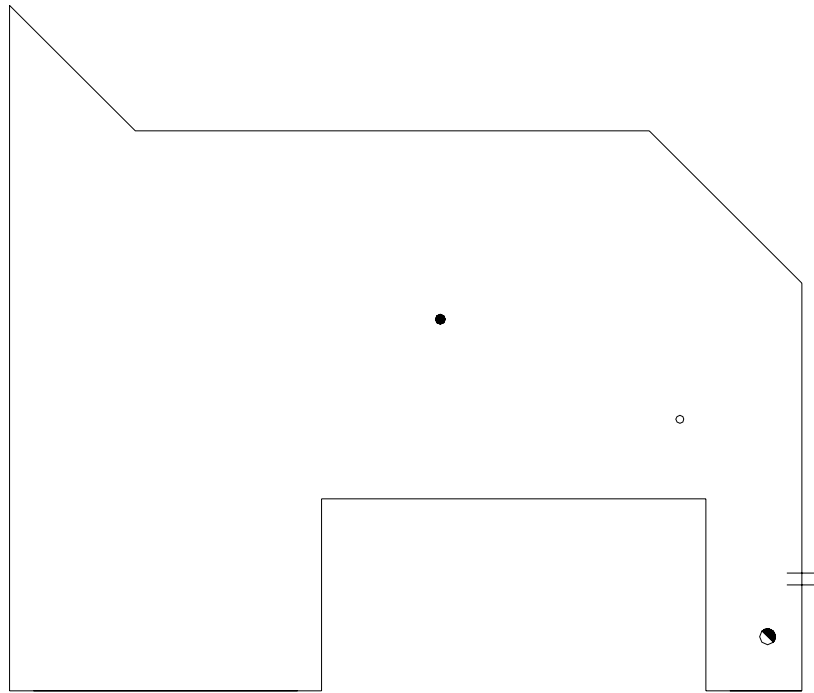
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - ⦶ SCUPPER
 - SLOPE DIRECTION
 - ⊖ DEFECT-REPAIR

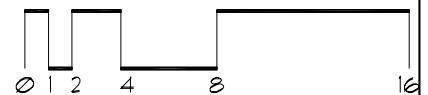


Roof Corrective Action

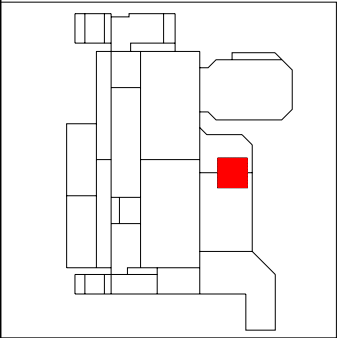
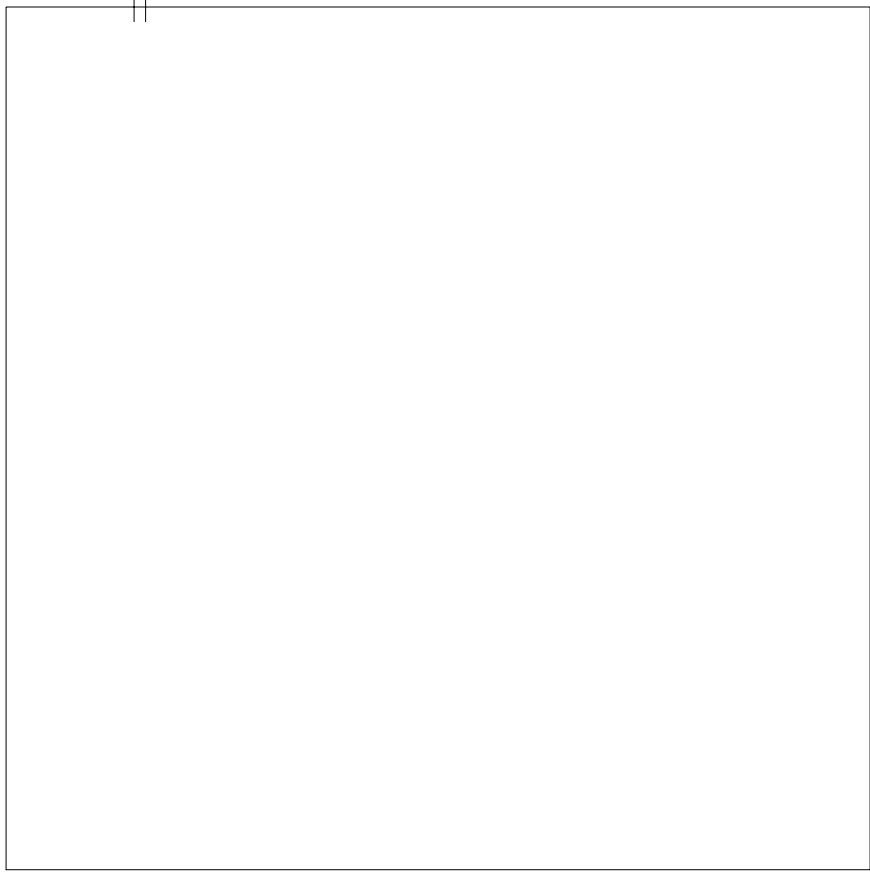


SYMBOLS KEY

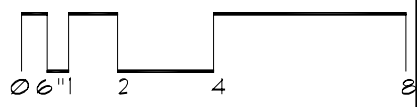
- ROOF DRAIN
- VENT STACK
- ⊕ DEFECT-NO REPAIR
- ≡ SCUPPER
- HEAT STACK



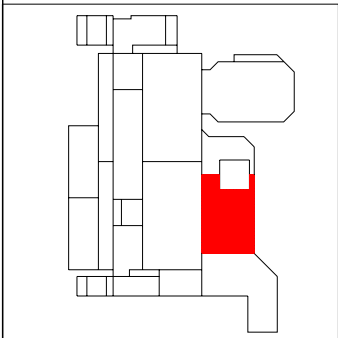
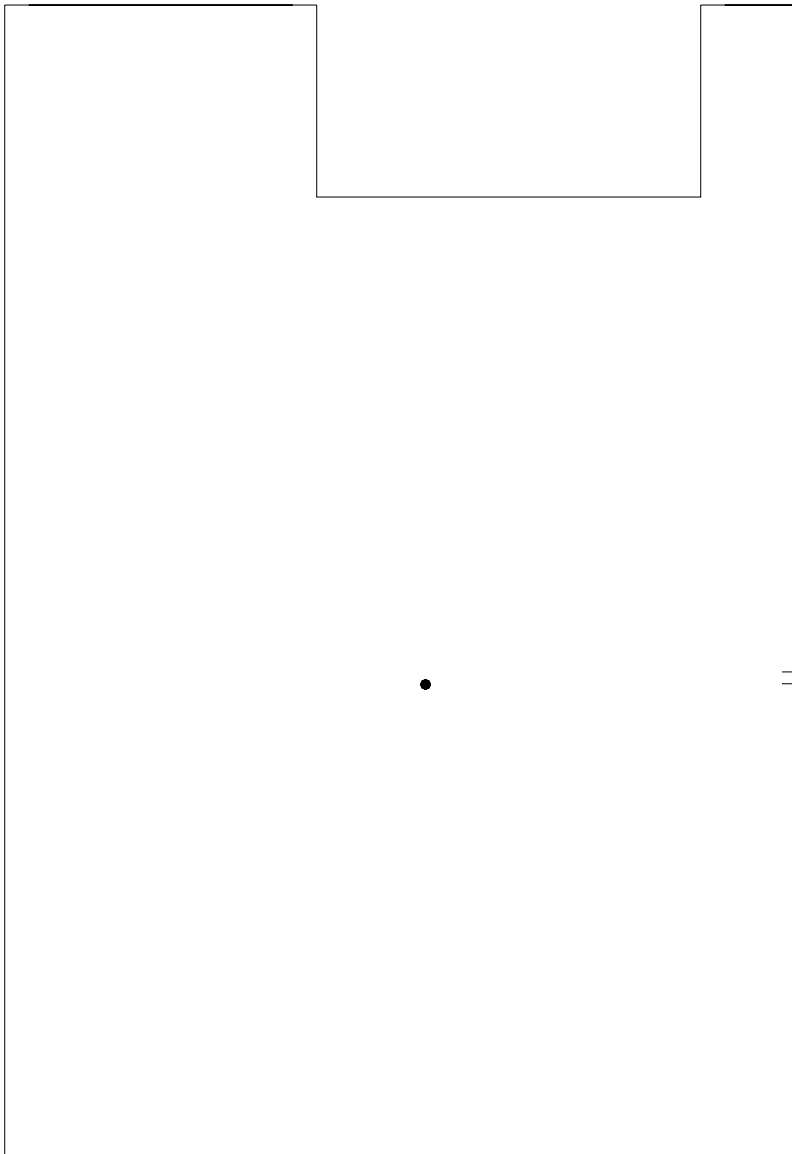
Roof Corrective Action



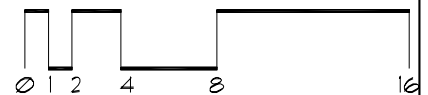
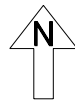
SYMBOLS KEY
|| SCUPPER



Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN

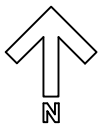
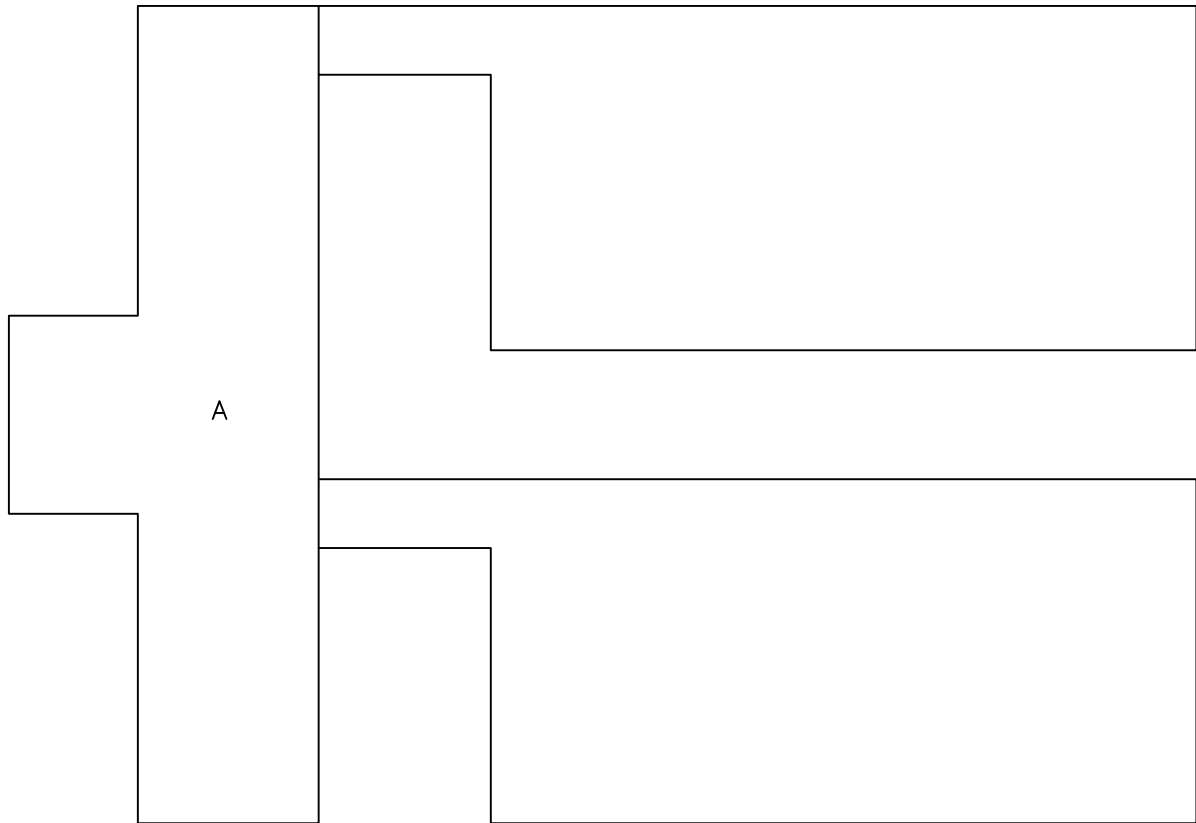


Roof ID

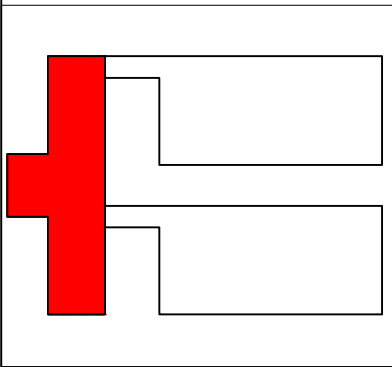
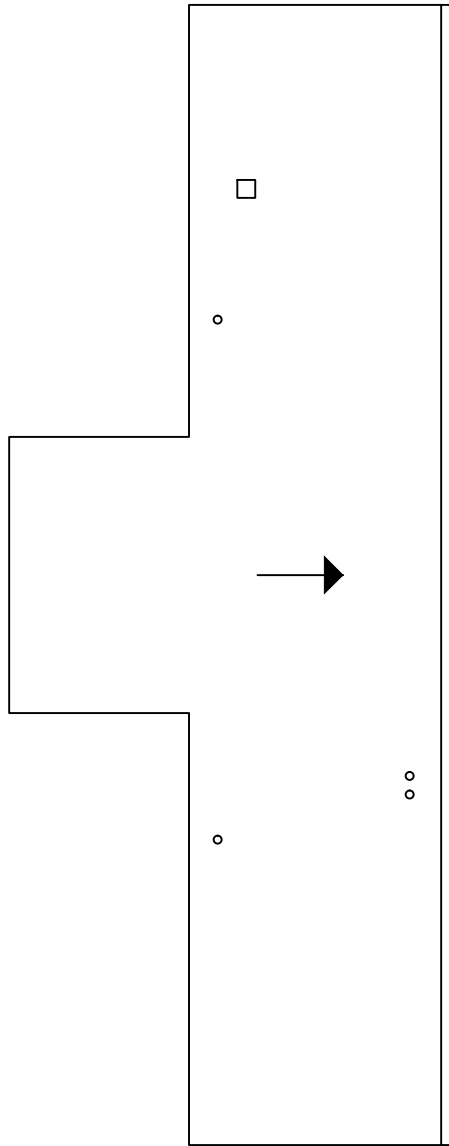
Building: 02.414 - Biological Science Greenhouse - (1534 Lindig Street)
Roof Access: Ladder

Total SF: 3,240 sf

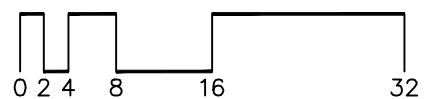
A: 3,240 sf



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION
□ ROOF CURB
○ VENT



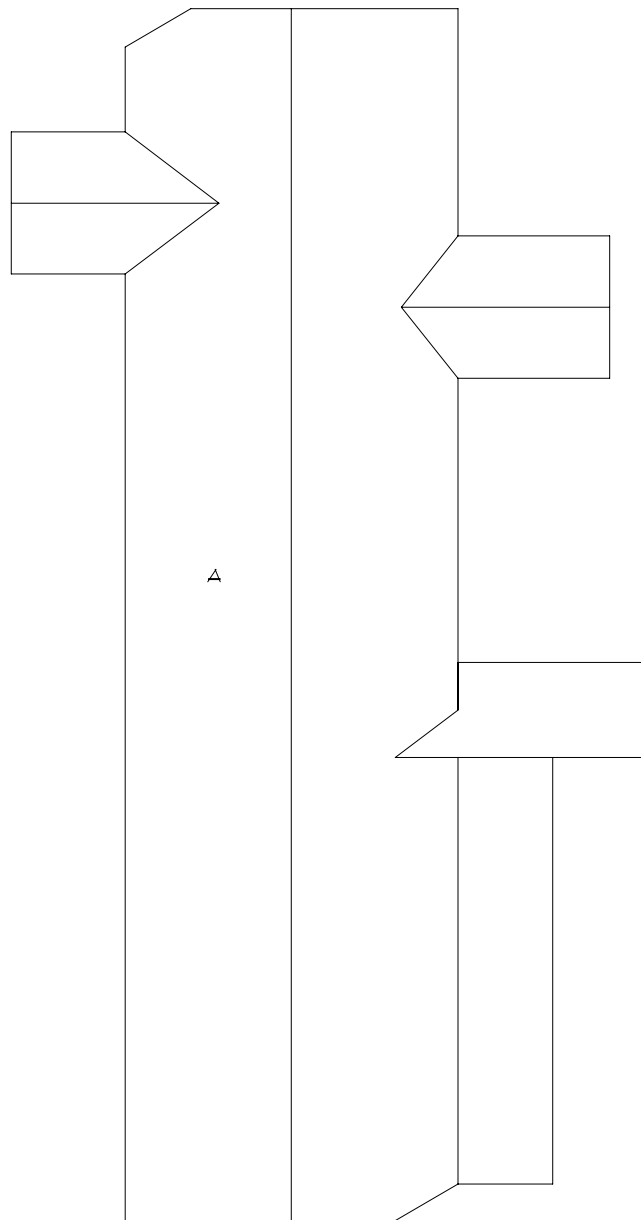
Roof ID

Building: SP415 - Plant Pathology - (1534 Gortner Ave)

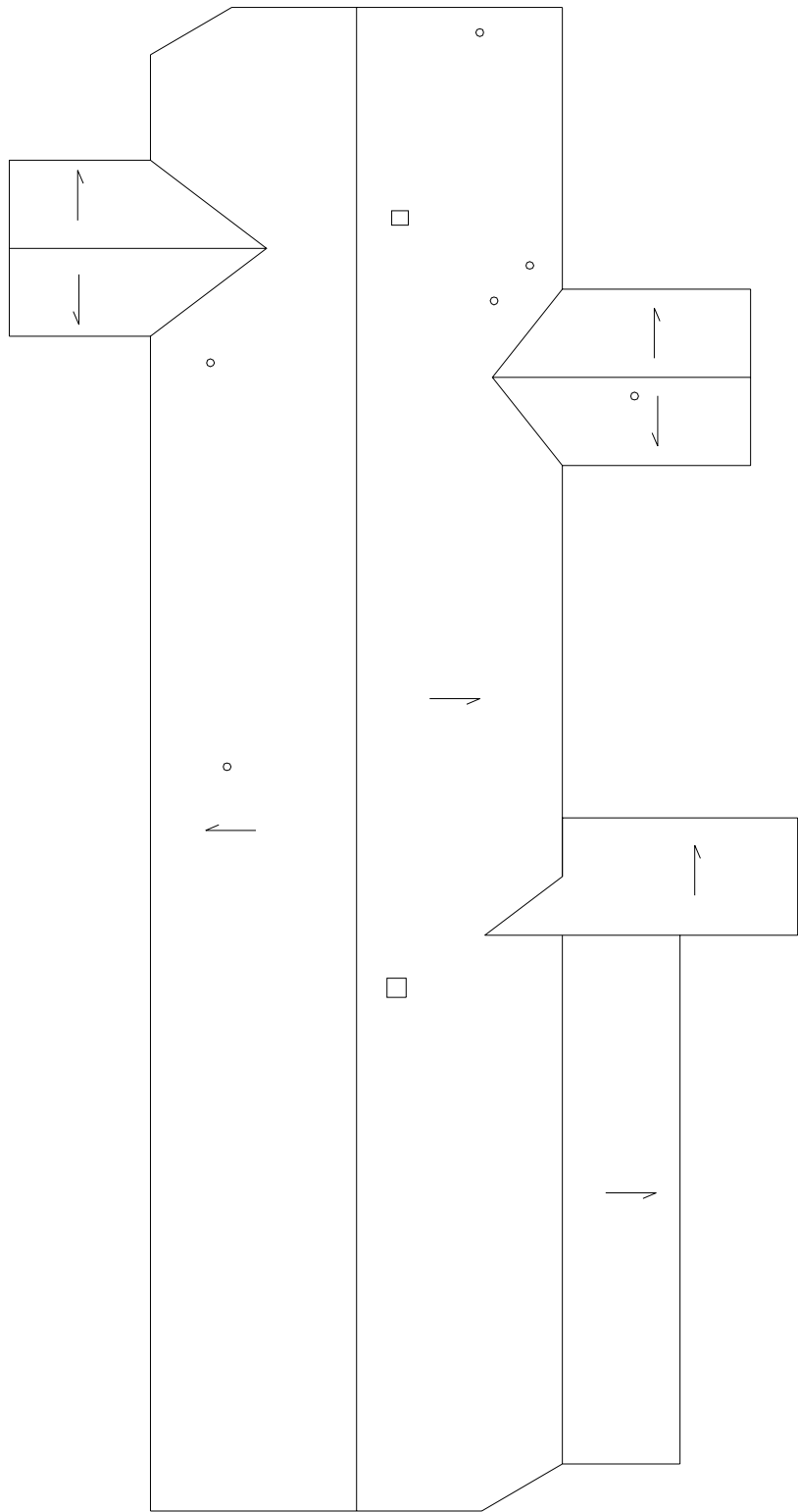
Roof Access: Ladder

Total Area: 6,250 sf

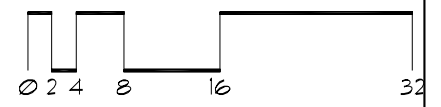
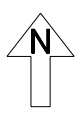
A 6,250 sf



Roof Corrective Action



SYMBOLS KEY
□ ROOF CURB
○ VENT STACK
↔ SLOPE DIRECTION



Roof ID

Building: SP416 - Animal Science/Vet Medicine - (1988 Fitch Ave. St. Paul)

Roof Access: East and west stairwells

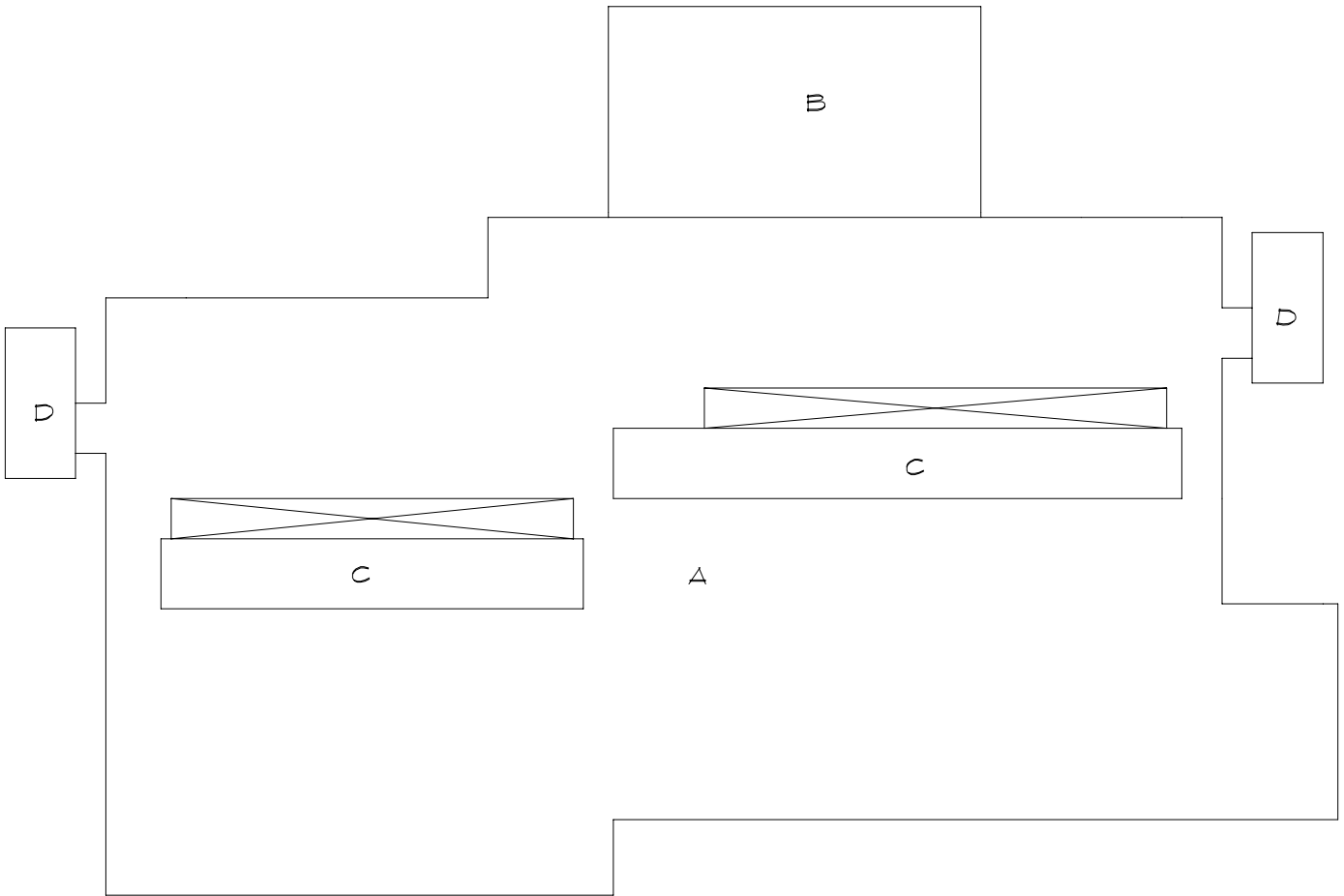
Total Area: 29,744 sf

A **23,038** sf

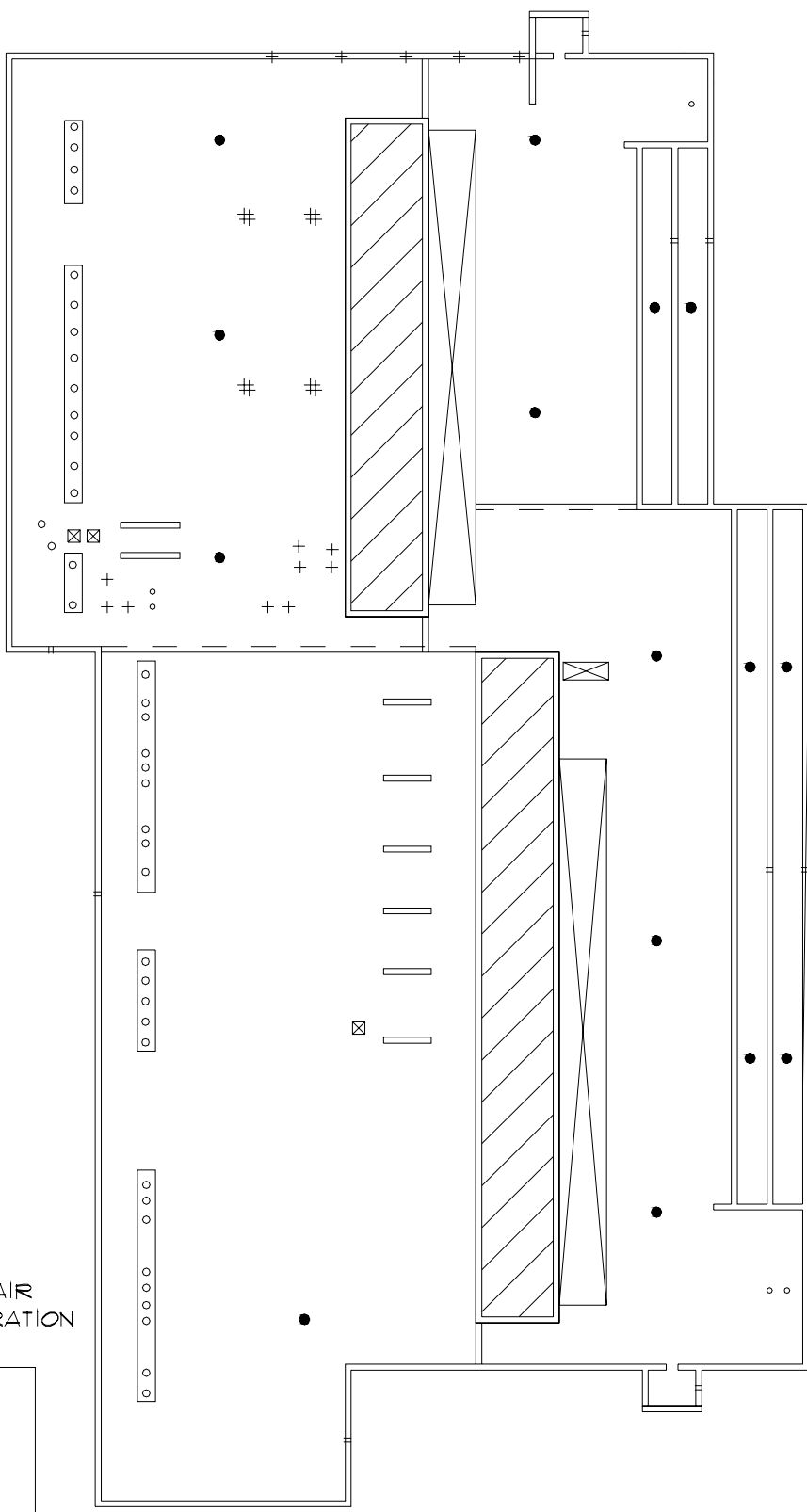
B **3,108** sf

C **2,758** sf

D **840** sf

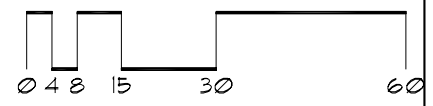
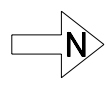
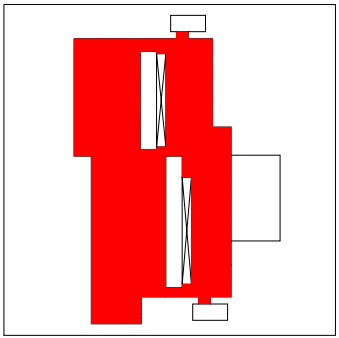


Roof Corrective Action

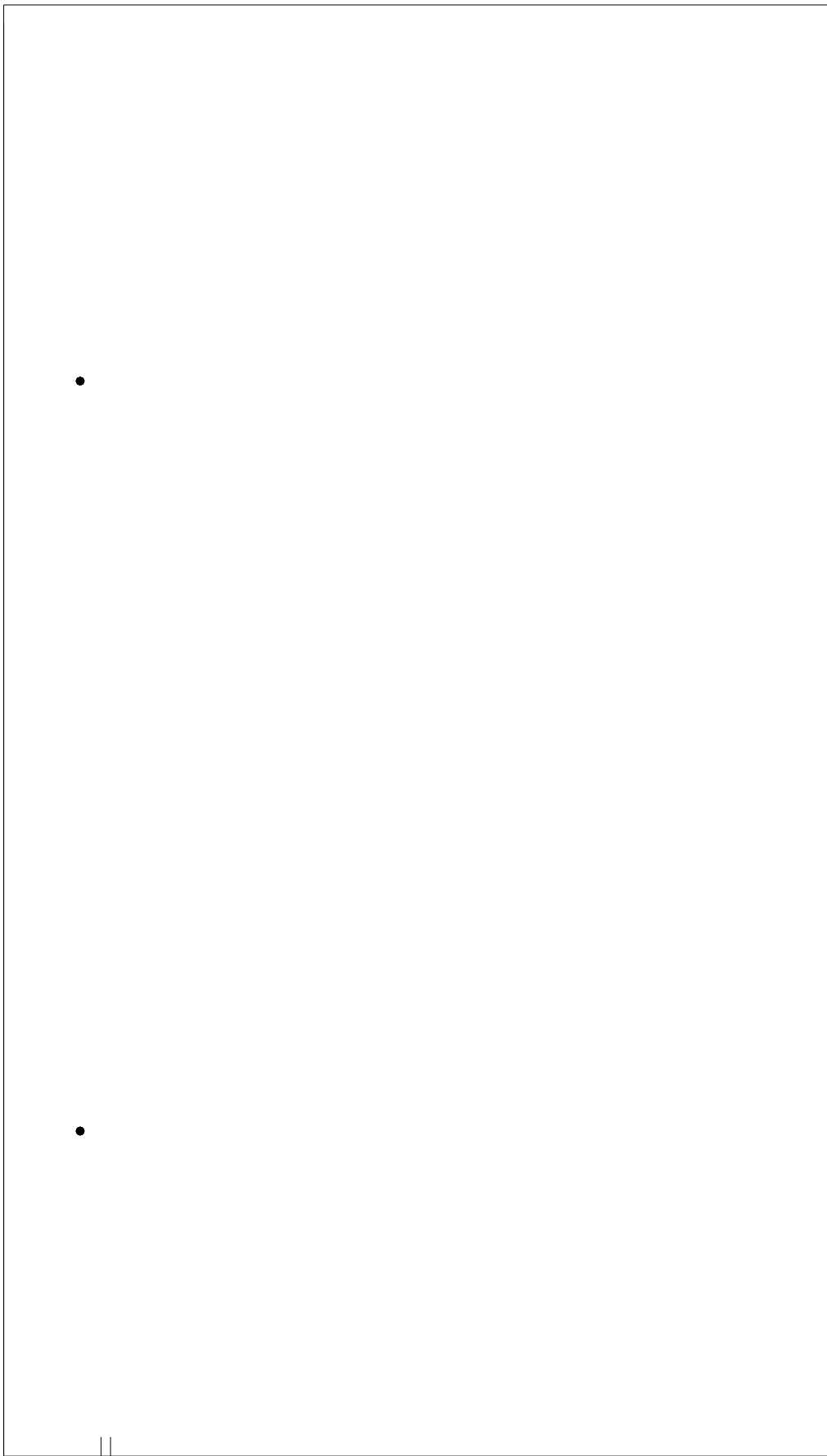
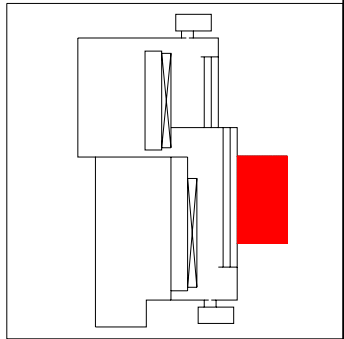


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- † SCUPPER
- ⊠ SKYLIGHT
- ⊖ DEFECT-REPAIR
- ⊕ DEFECT-NO REPAIR
- +

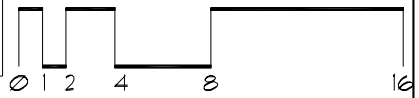
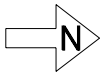


Roof Corrective Action

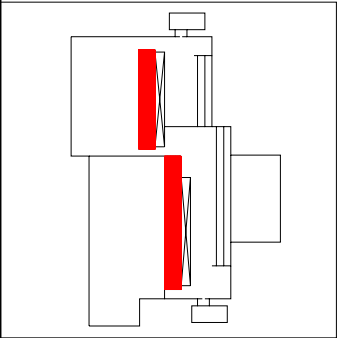
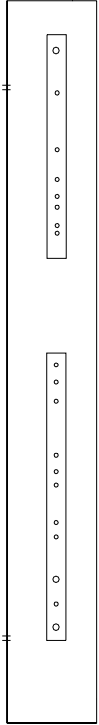
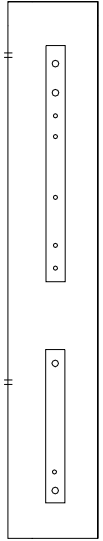


SYMBOLS KEY

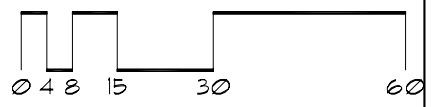
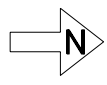
- † SCUPPER
- Ⓢ DEFECT-REPAIR
- ⓪ DEFECT-NO REPAIR



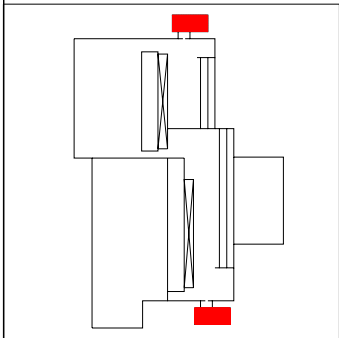
Roof Corrective Action



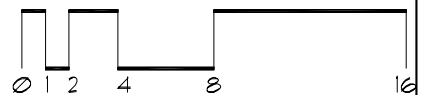
- SYMBOLS KEY**
- ROOF CURB
 - ⊥ SCUPPER
 - VENT STACK
 - ⊕ DEFECT-REPAIR
 - ⓪ DEFECT-NO REPAIR



Roof Corrective Action



SYMBOLS KEY
• ROOF DRAIN



Roof ID

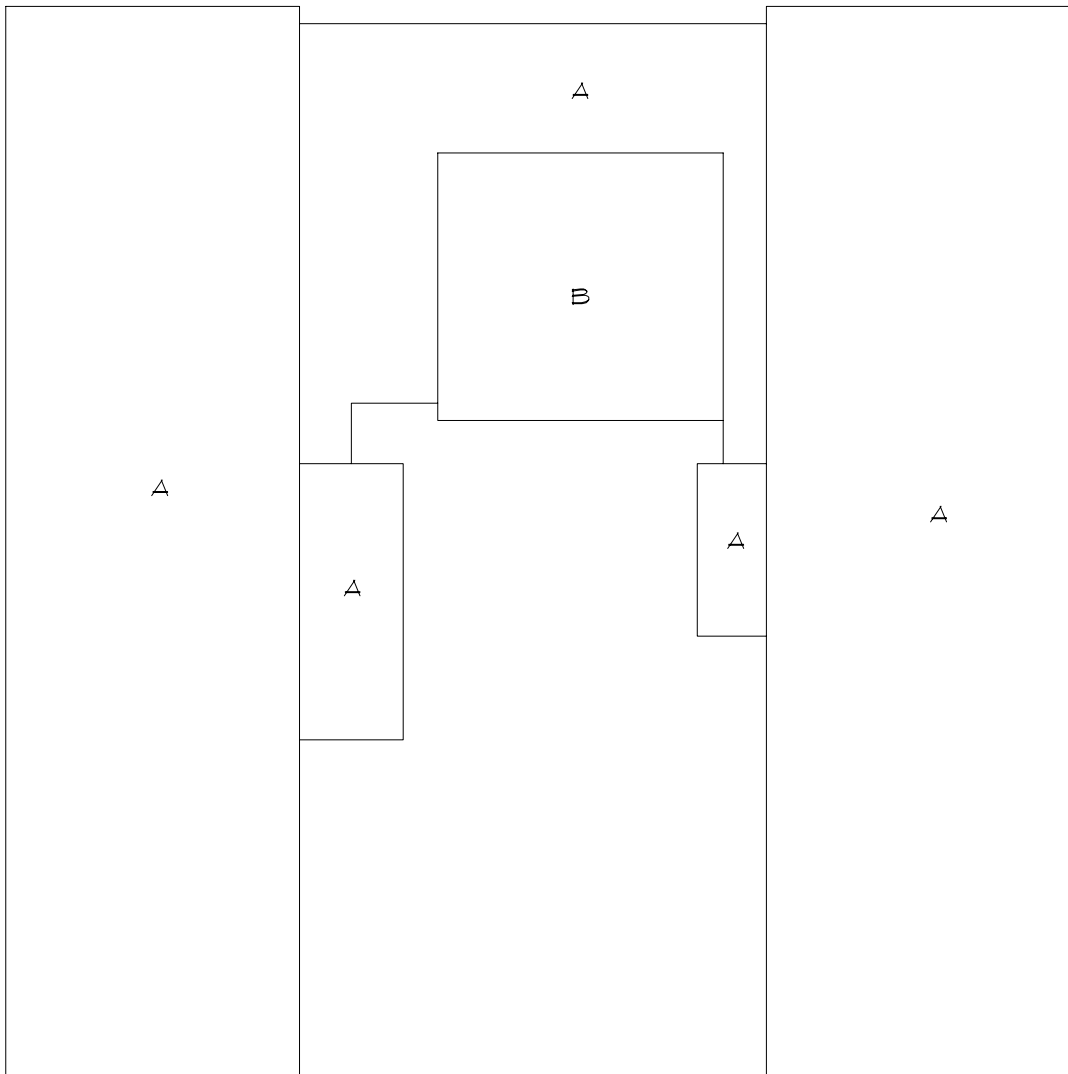
Building: SP417 - Large Animal Holding - (1907 Carter Ave, St. Paul)

Roof Access: Ladder

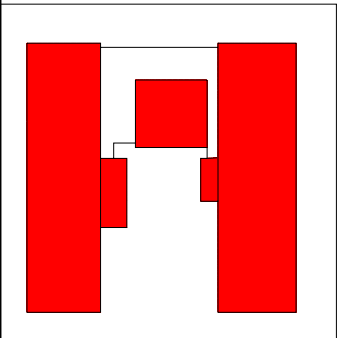
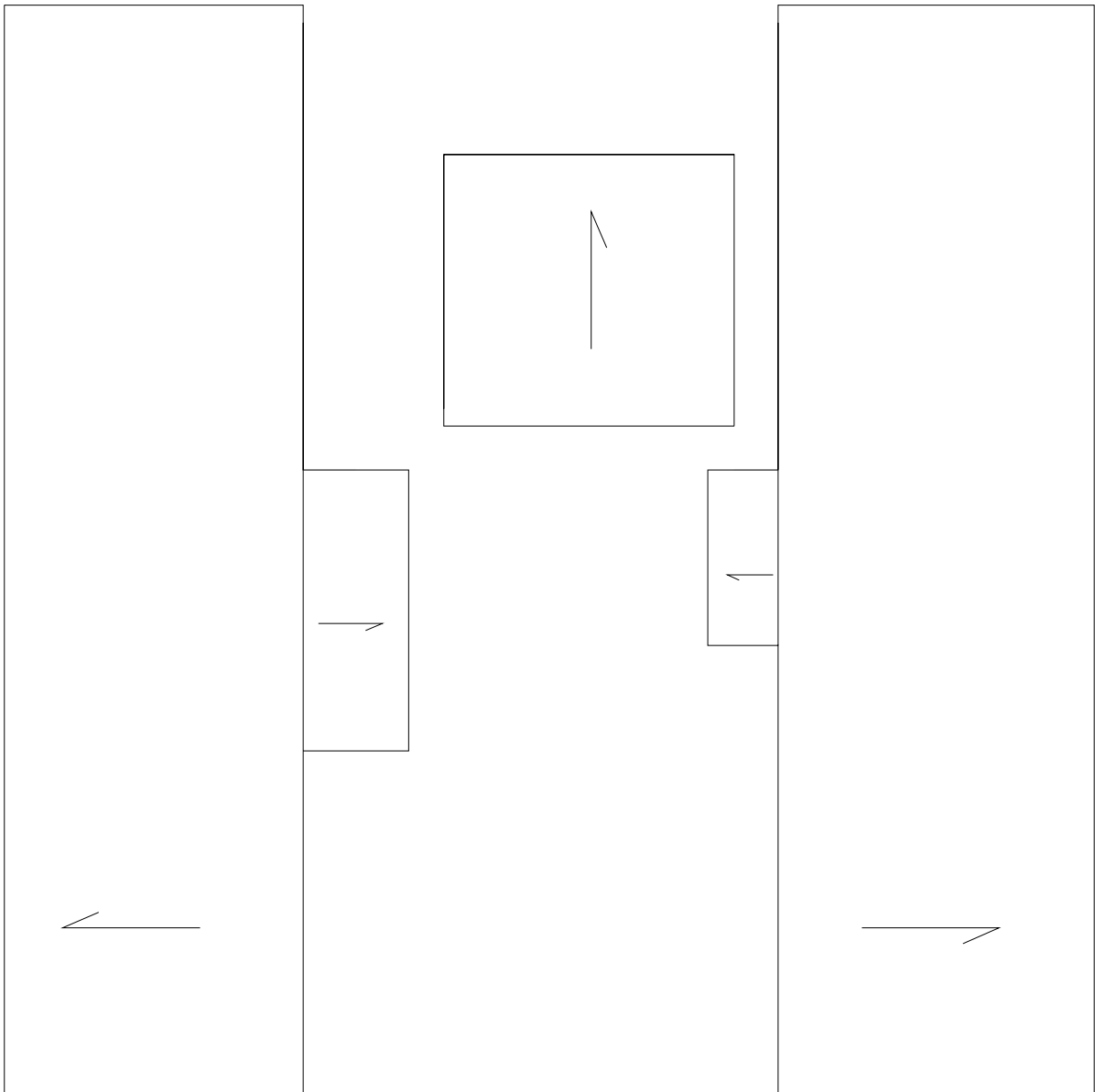
Total Area: 12,446 sf

A 11,077 sf

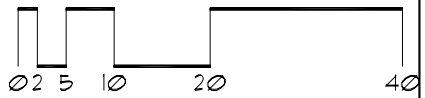
B 1,369 sf



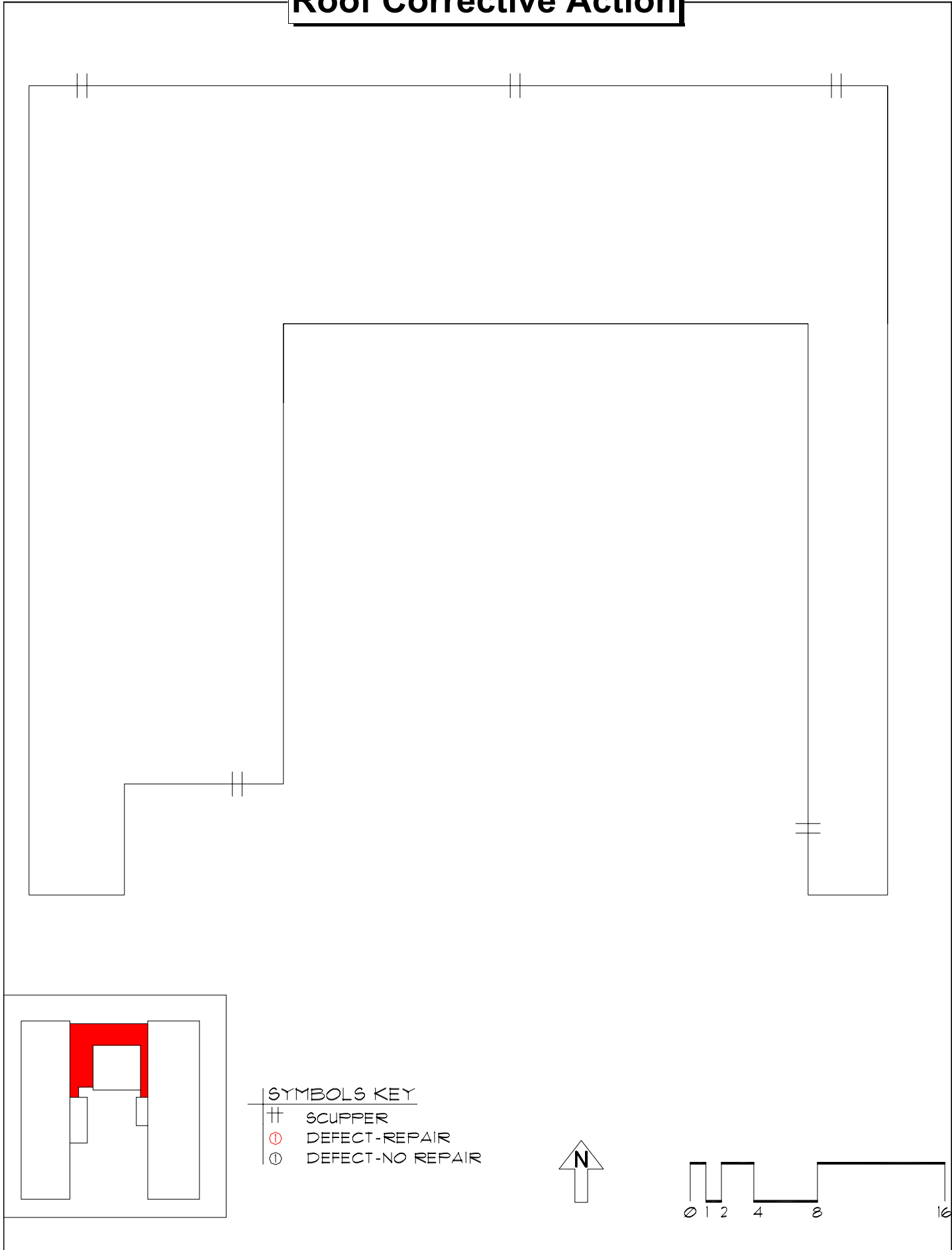
Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION



Roof Corrective Action



Roof ID

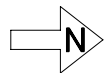
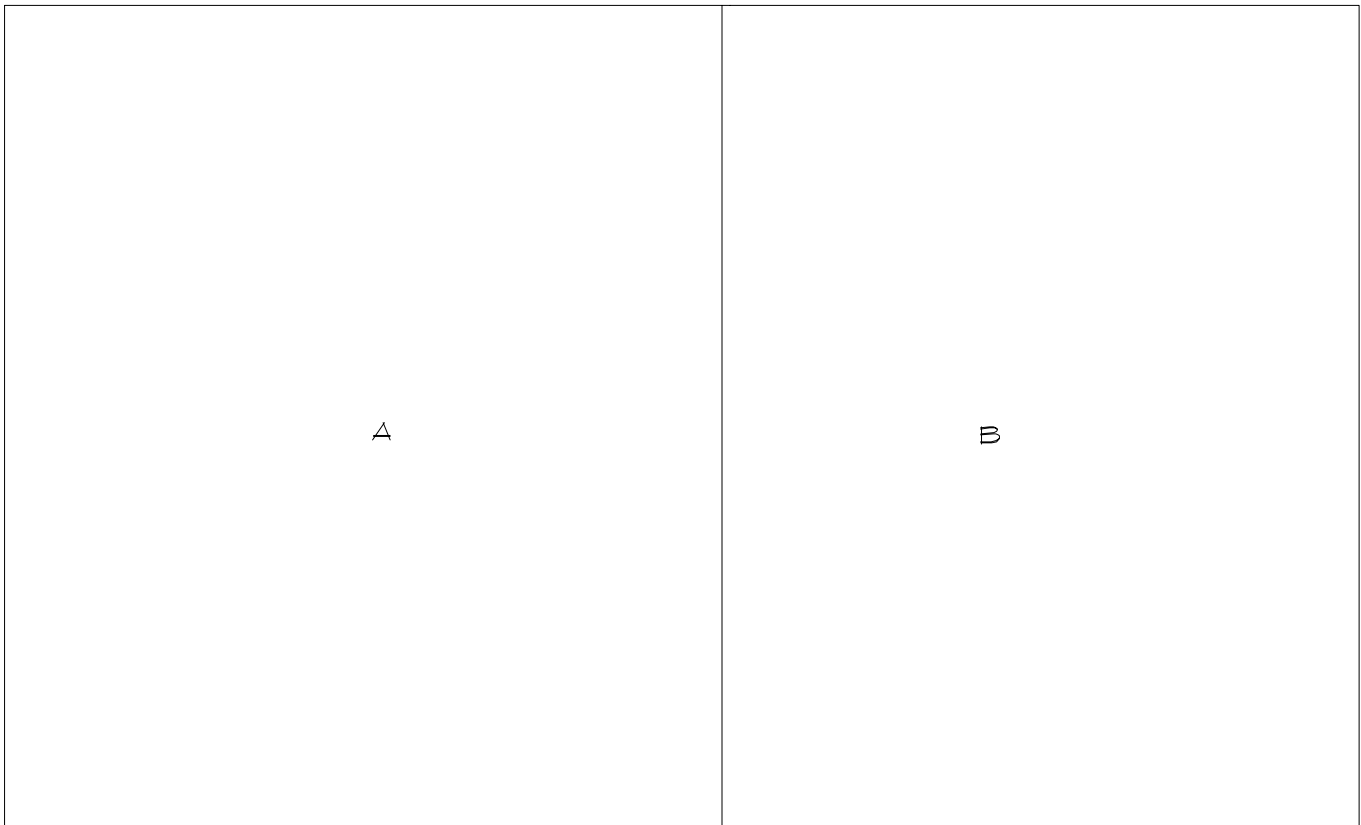
Building: SP419 - Research Animal Resources - (1861 Buford Ave, St. Paul)

Roof Access: Ladder or roof hatch

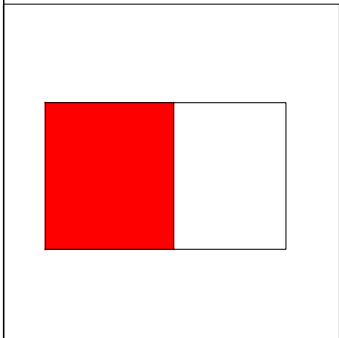
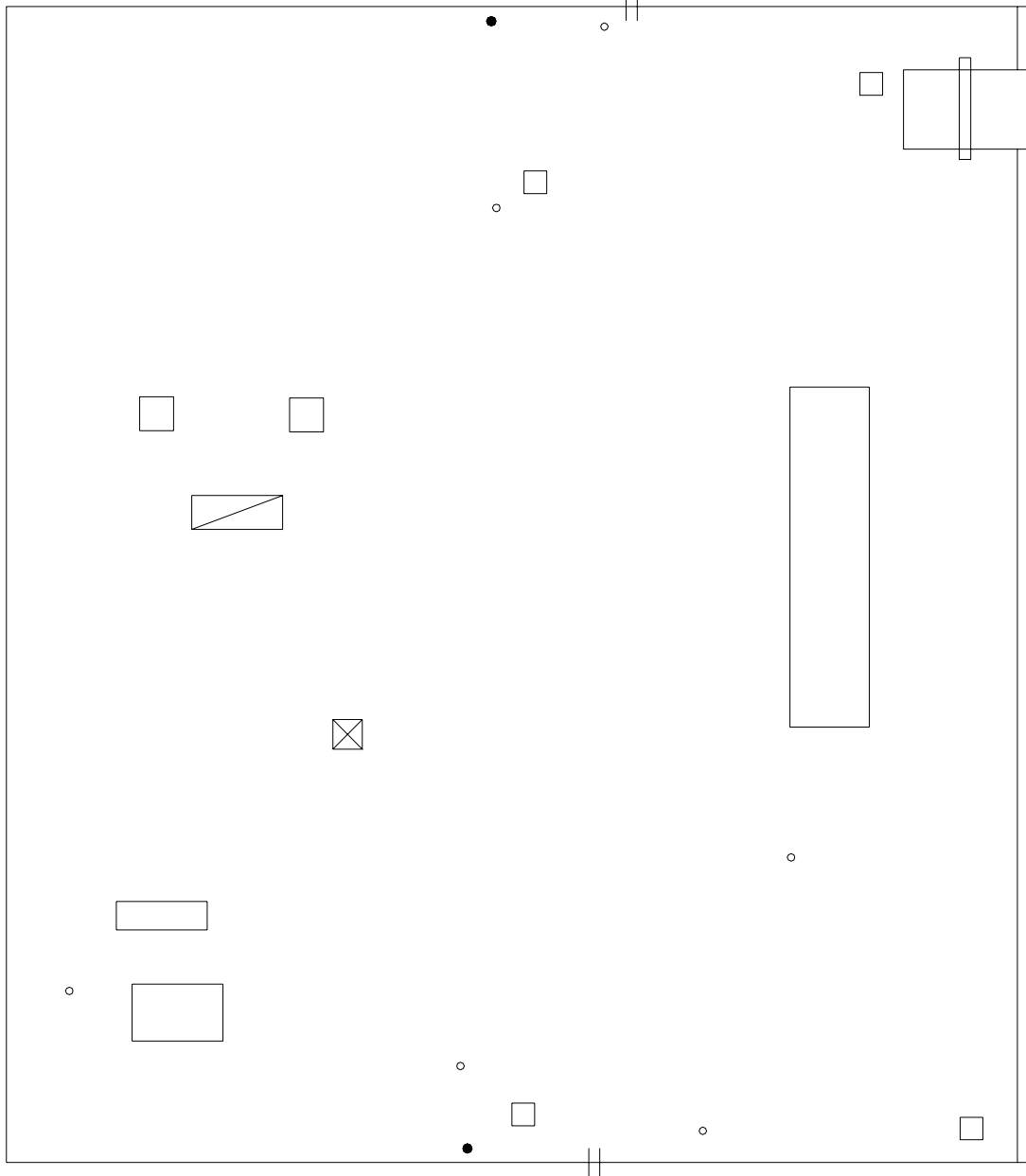
Total Area: 16,524 sf

A 8,568 sf

B 7,956 sf

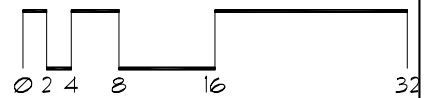


Roof Corrective Action

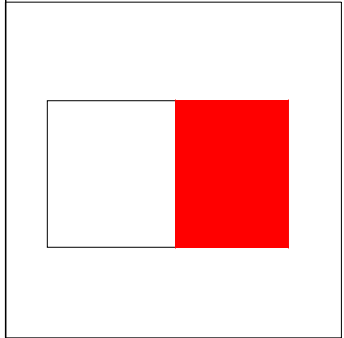
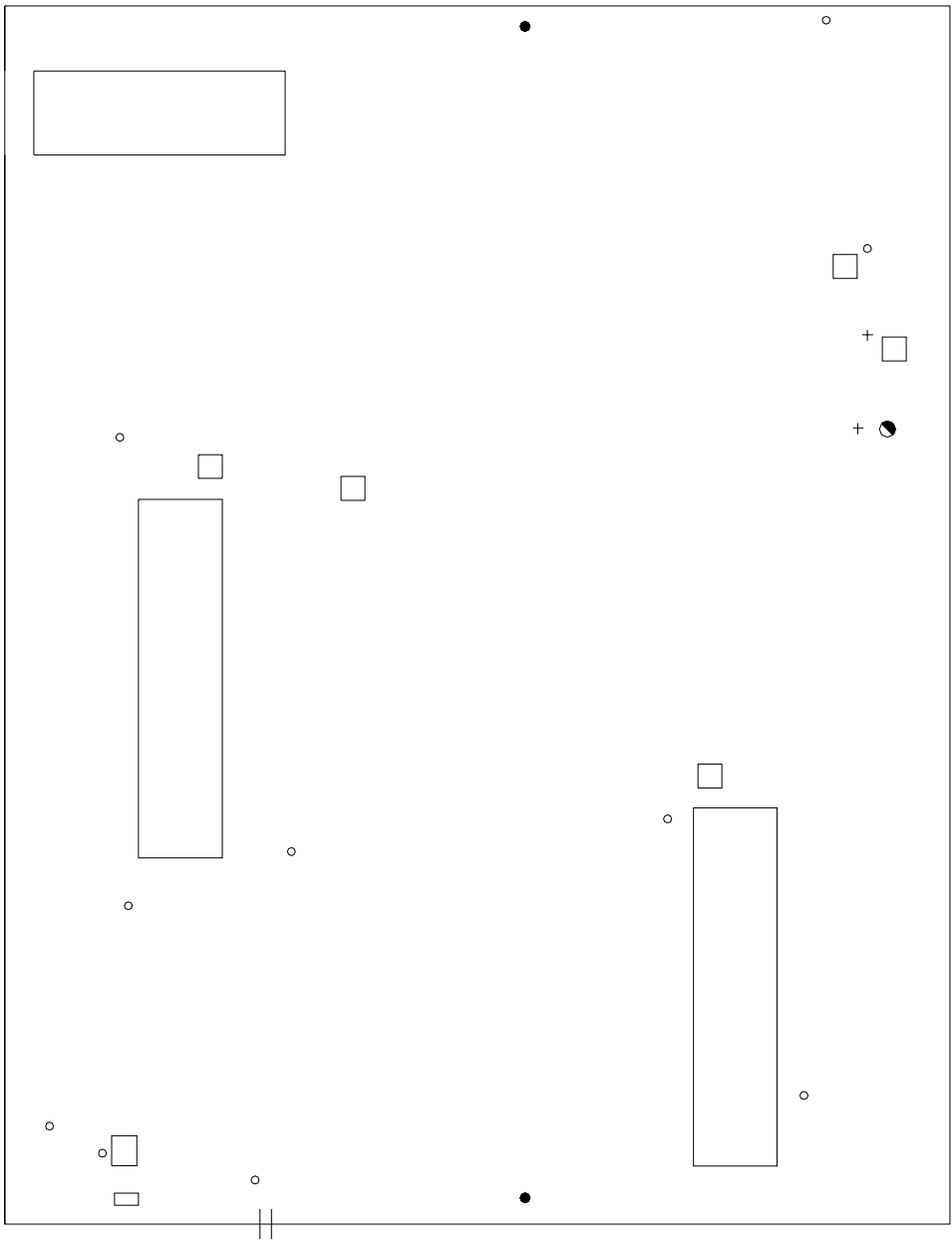


SYMBOLS KEY

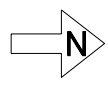
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊠ SKYLIGHT
- ⊞ ROOF HATCH



Roof Corrective Action



- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ⊕ DEFECT-REPAIR



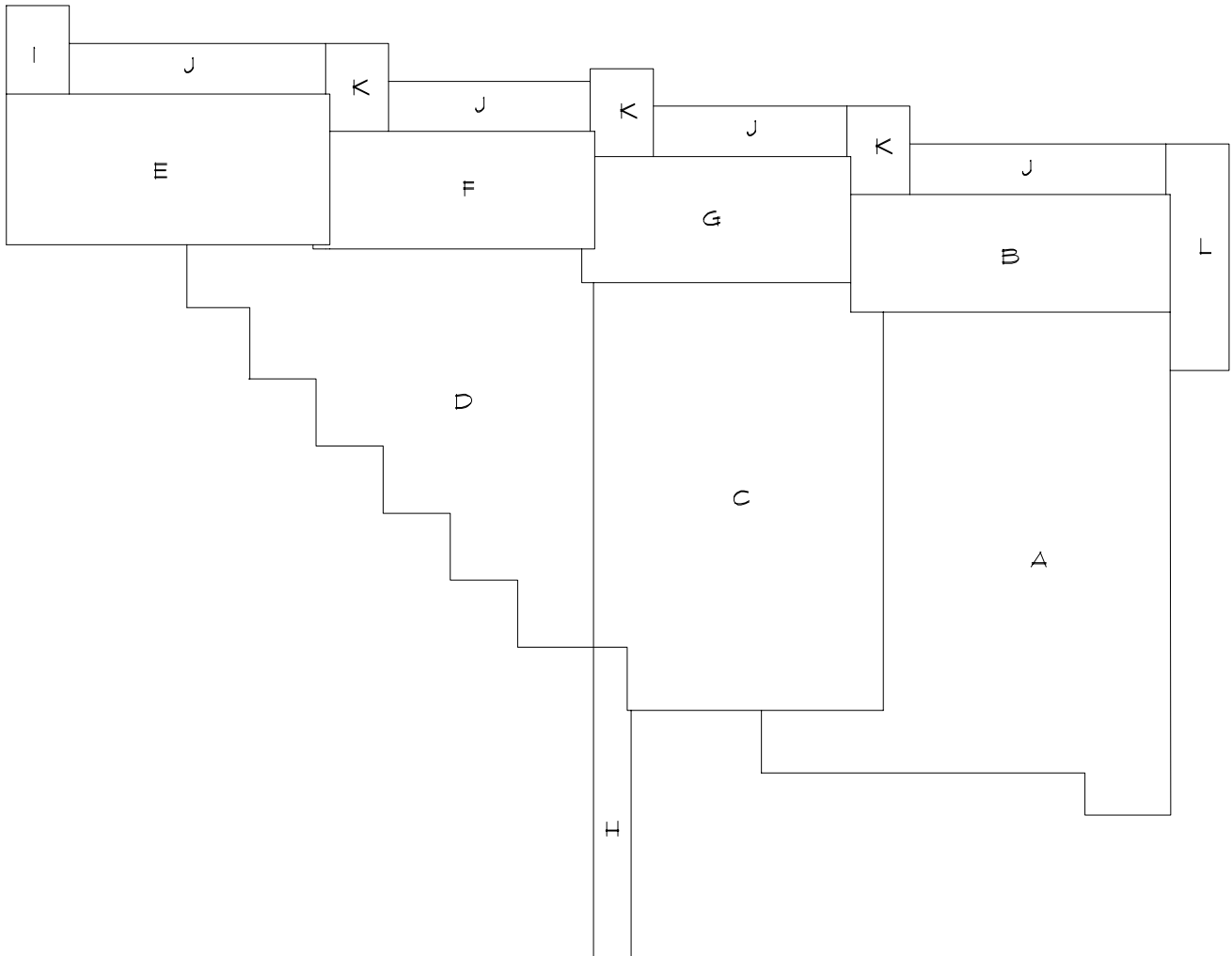
Roof ID

Building: SP420 - Brown Cont. Educ. Ctr. - (1890 Buford Place St Paul, Mn)

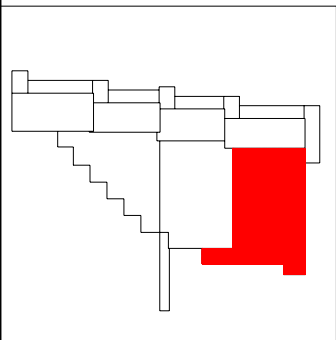
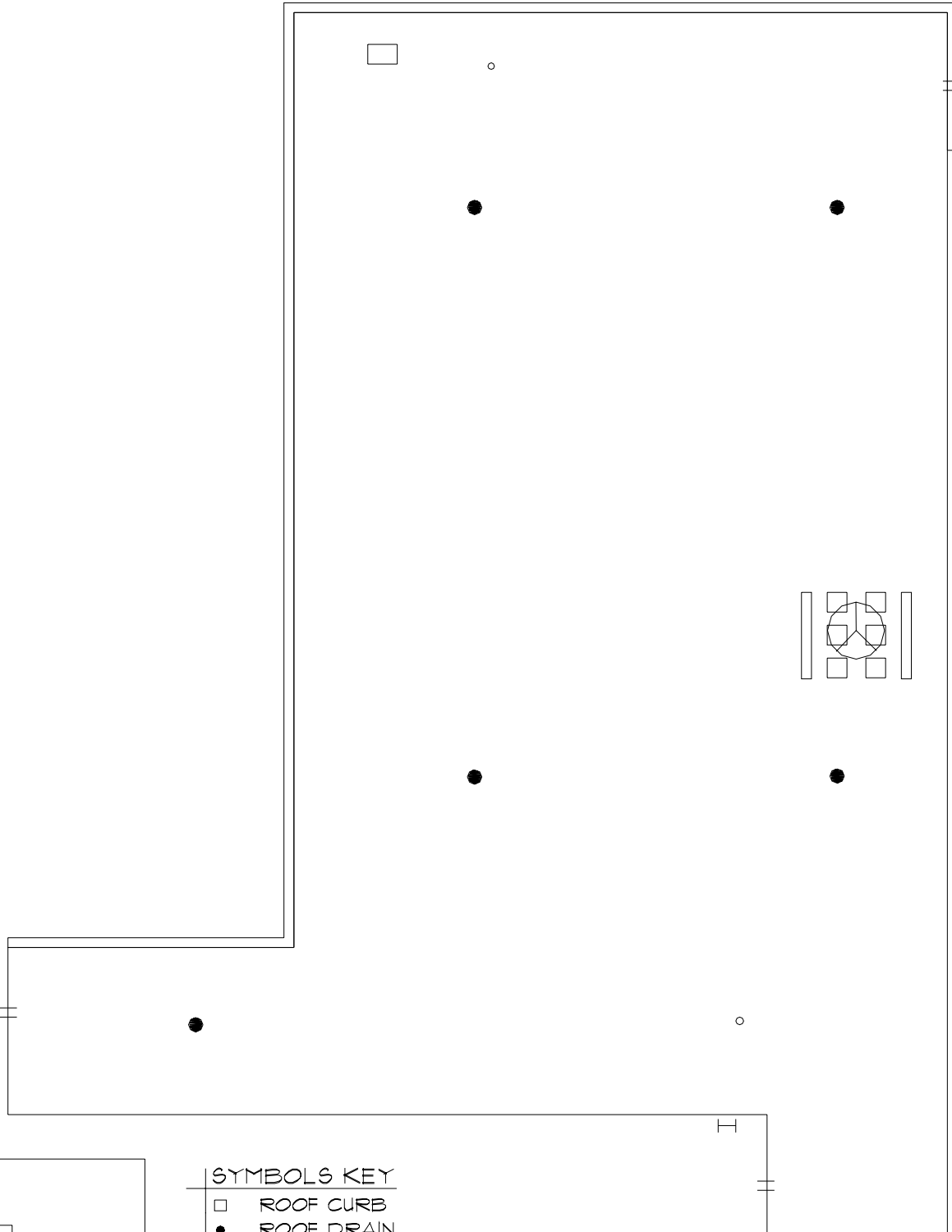
Roof Access: External ladder south side of area A (E1, E2 key to unlock ladder)

Total Area: 34,281 sf

A	7,981 sf	E	2,772 sf	I	315 sf
B	2,280 sf	F	1,893 sf	J	2,592 sf
C	6,848 sf	G	1,854 sf	K	909 sf
D	5,390 sf	H	651 sf	L	796 sf

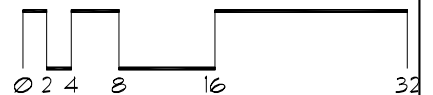


Roof Corrective Action

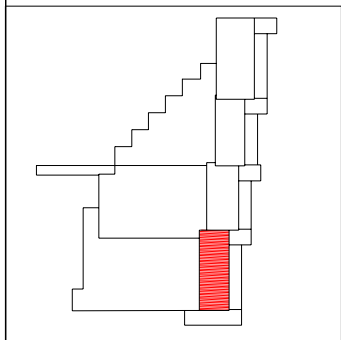
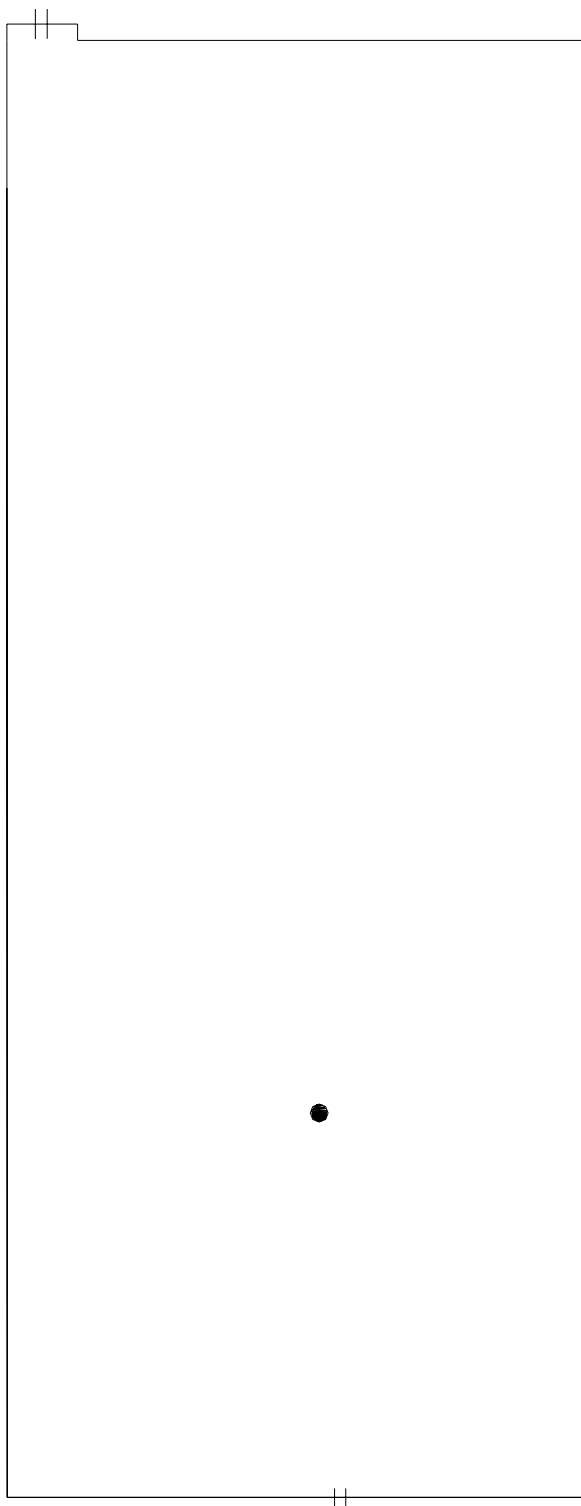


SYMBOLS KEY

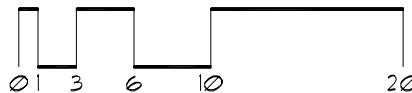
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- SLEEPER CURB
- I LADDER
- ⊗ SATELLITE
- ① DEFECT-REPAIR



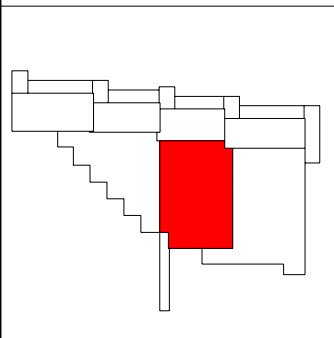
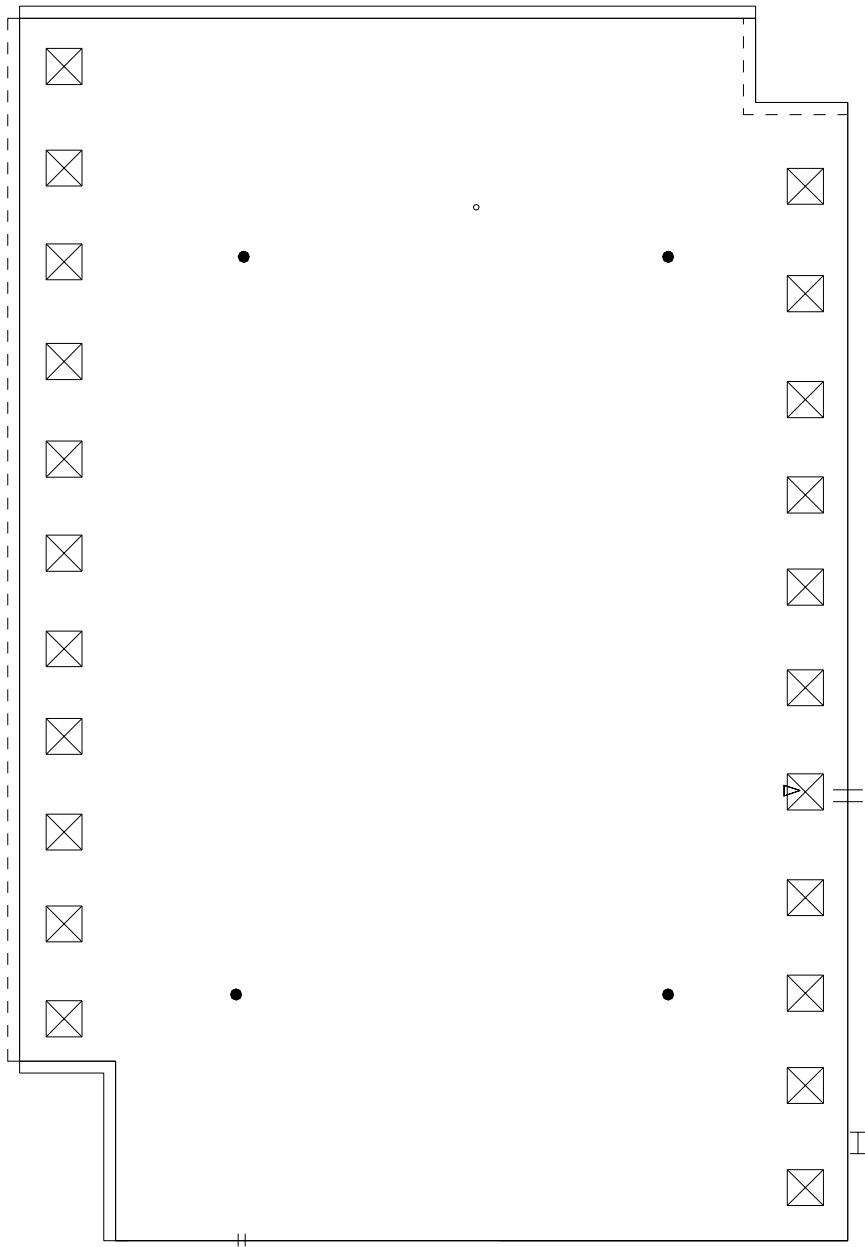
Roof Corrective Action



- SYMBOLS KEY
- ROOF DRAIN
 - ⊥ SCUPPER
 - Ⓢ DEFECT-REPAIR

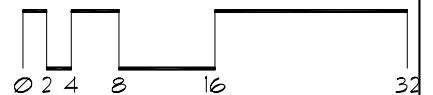


Roof Corrective Action

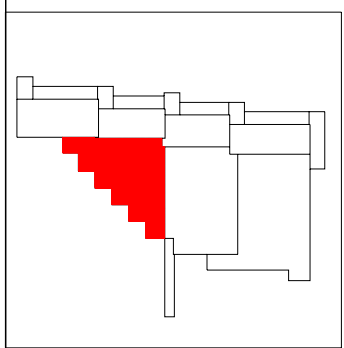
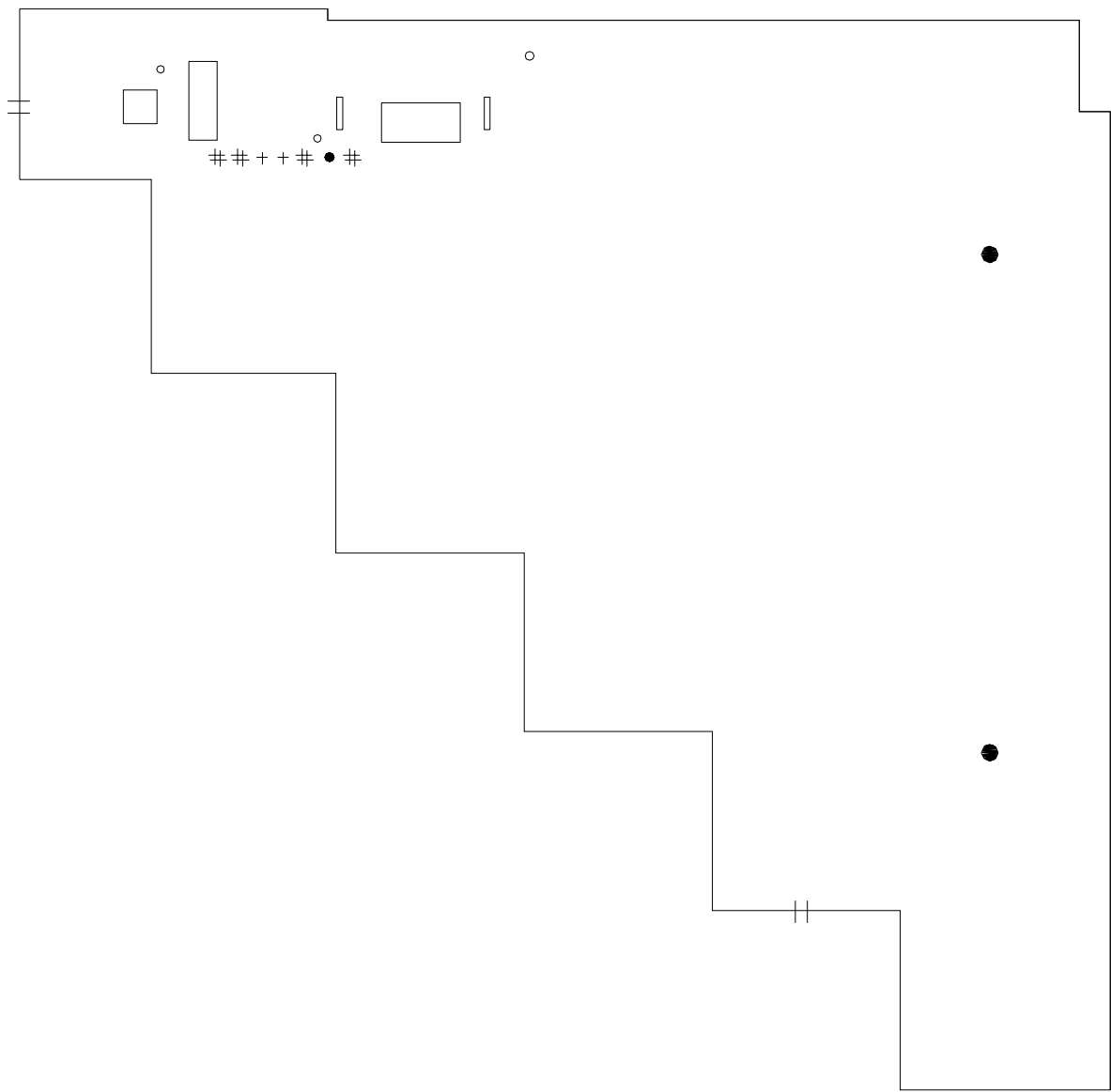


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- † SCUPPER
- ⊠ SKYLIGHT
- I LADDER
- Ⓢ DEFECT-REPAIR
- Ⓣ DEFECT-NO REPAIR



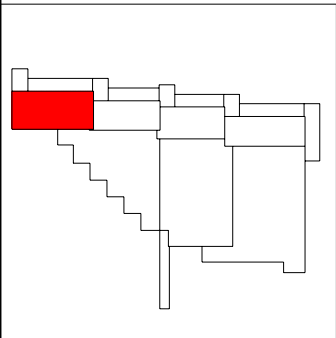
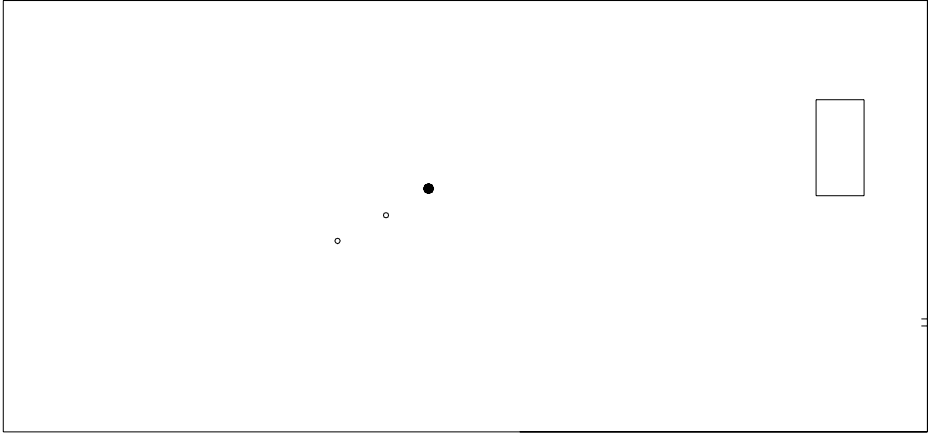
Roof Corrective Action



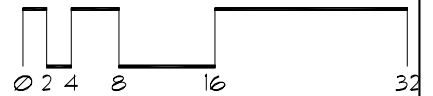
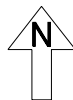
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ⊕ SCUPPER
 - ▭ SLEEPER CURB
 - # PITCH PAN
 - Ⓢ DEFECT-REPAIR



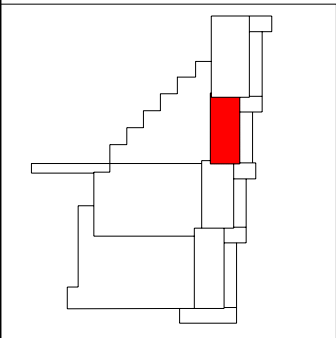
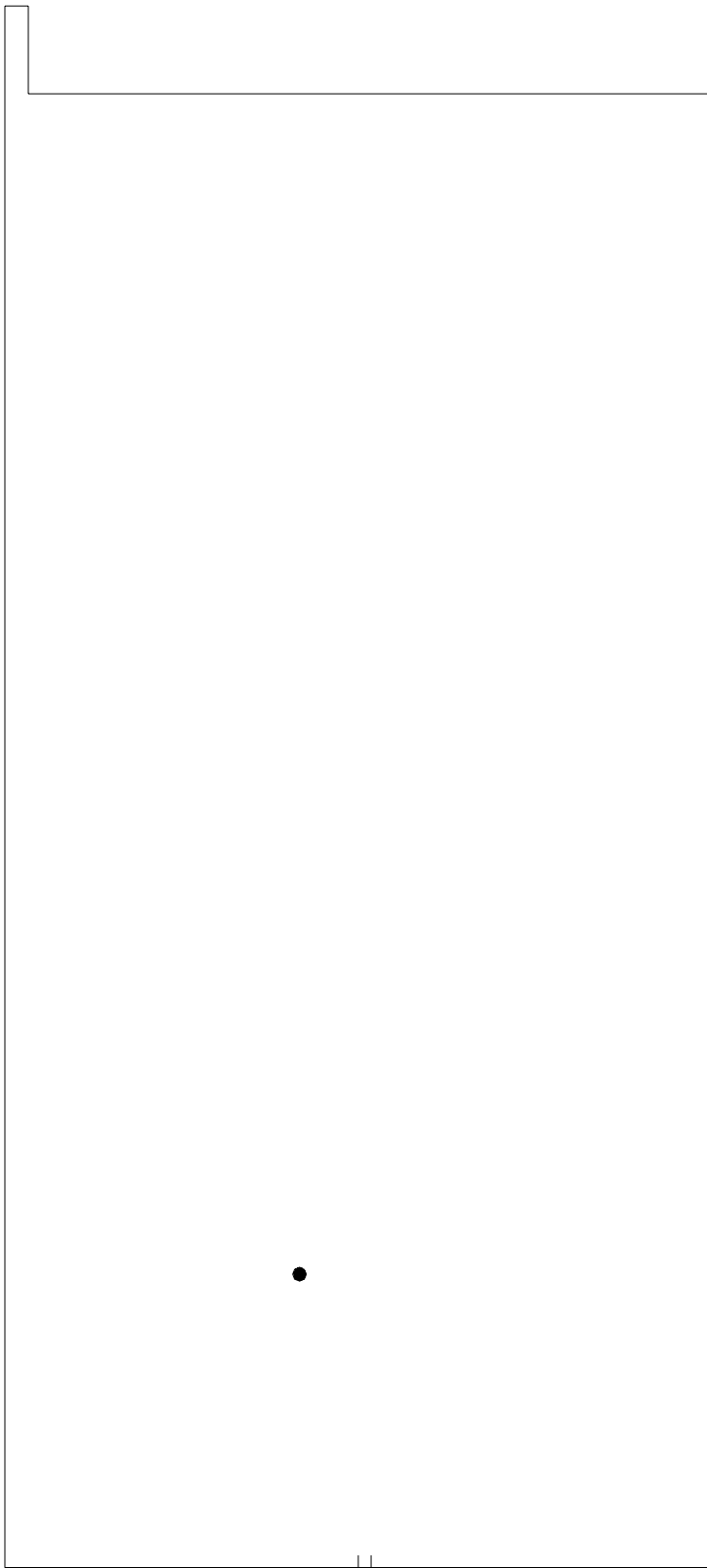
Roof Corrective Action



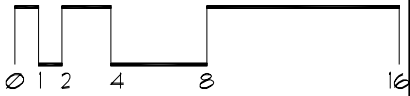
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - Ⓜ DEFECT-REPAIR



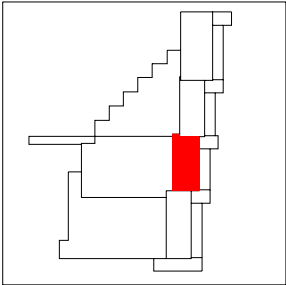
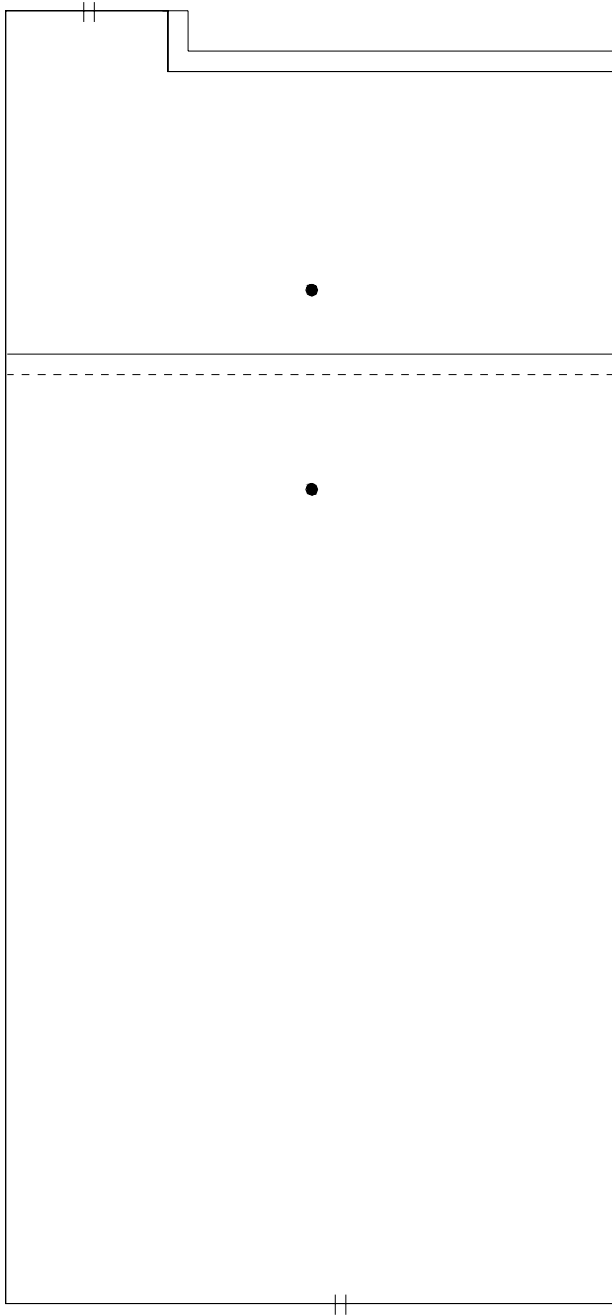
Roof Corrective Action



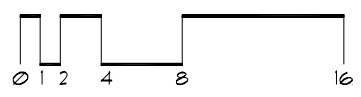
- SYMBOLS KEY
- ROOF DRAIN
 - † SCUPPER
 - Ⓢ DEFECT-REPAIR



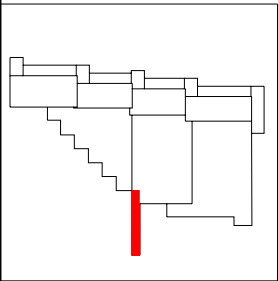
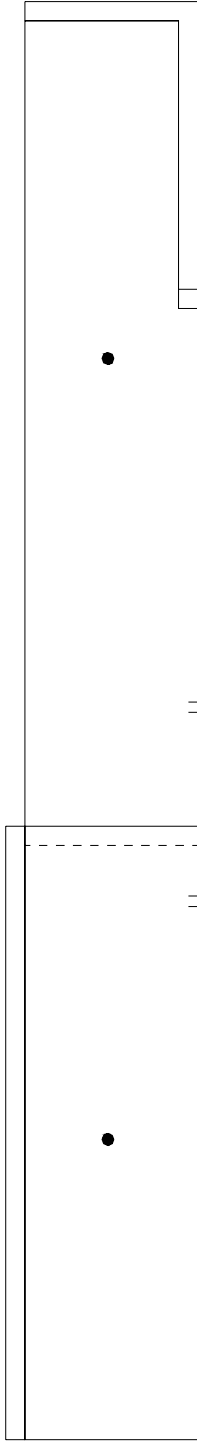
Roof Corrective Action



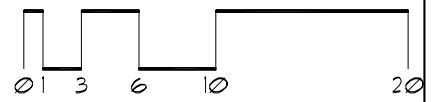
- SYMBOLS KEY**
- ROOF DRAIN
 - ⊕ SCUPPER
 - Ⓢ DEFECT-REPAIR



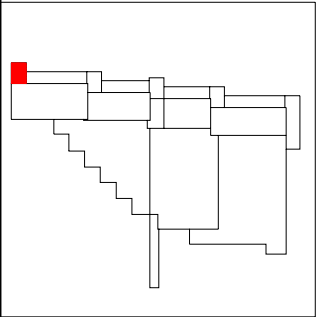
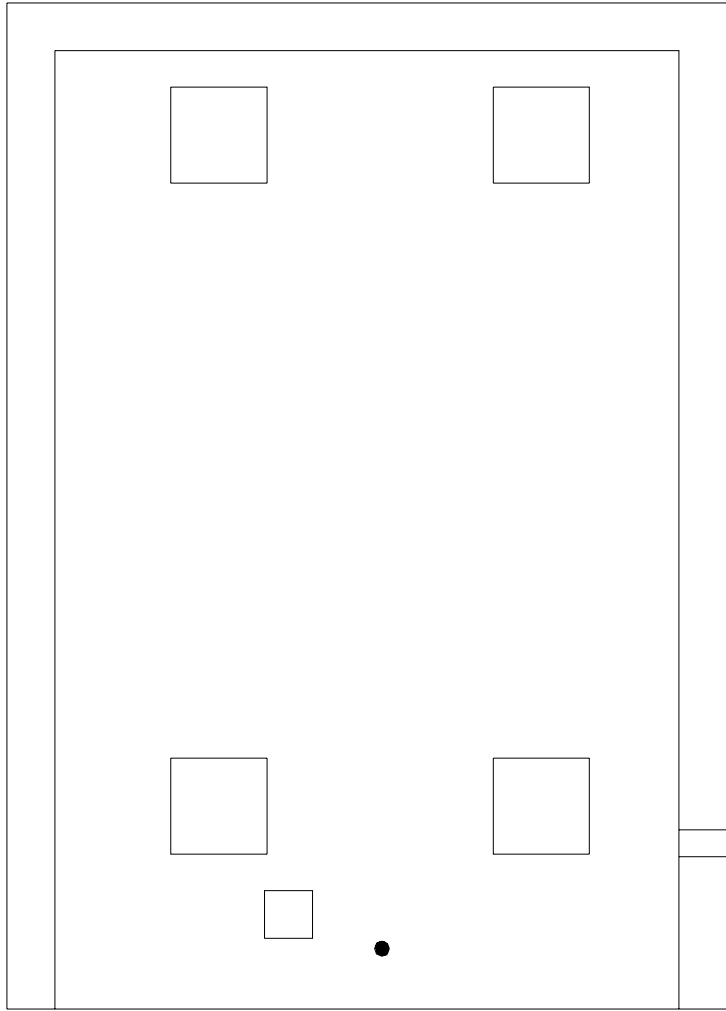
Roof Corrective Action



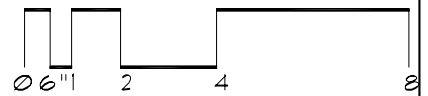
- SYMBOLS KEY
- ROOF DRAIN
 - † SCUPPER
 - ① DEFECT-REPAIR



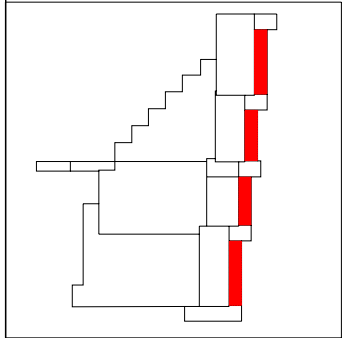
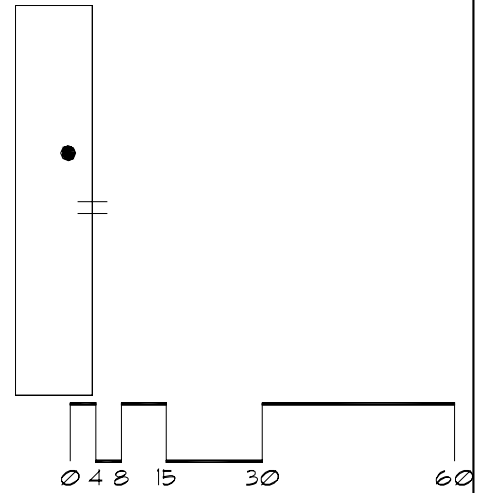
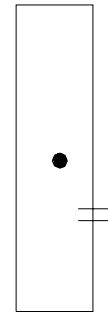
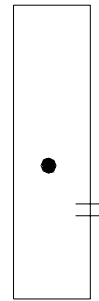
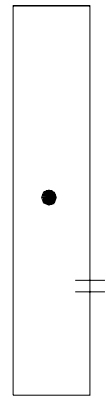
Roof Corrective Action



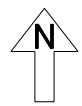
- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - ⊥ SCUPPER



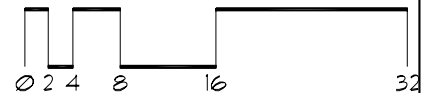
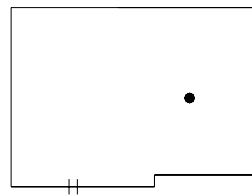
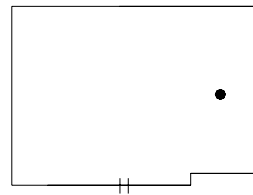
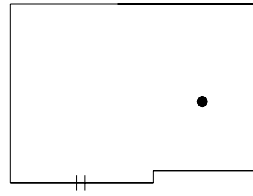
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - ≡ SCUPPER
 - Ⓢ DEFECT-REPAIR

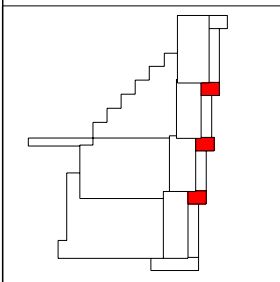


Roof Corrective Action

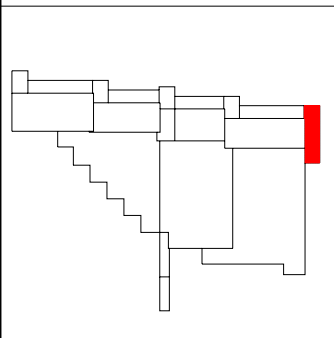
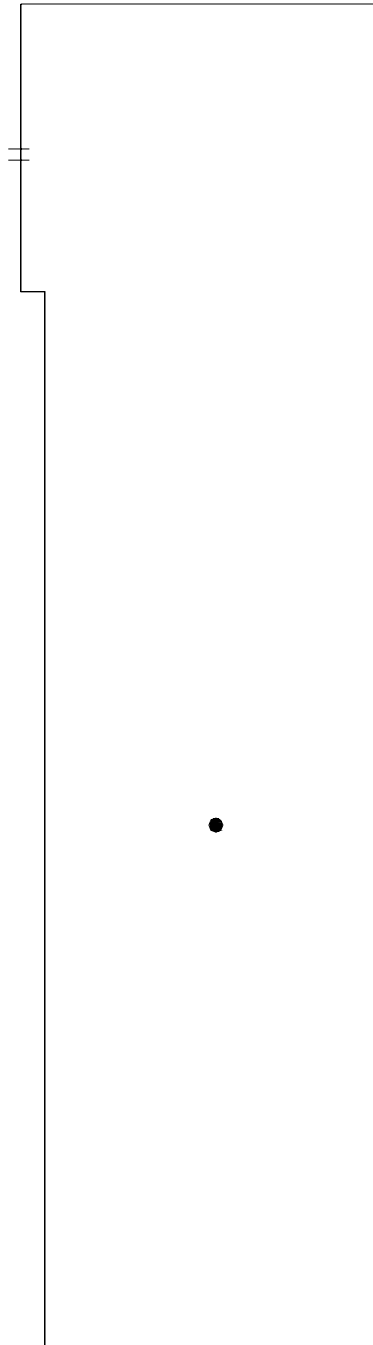


SYMBOLS KEY

- ROOF DRAIN
- † SCUPPER
- ① DEFECT-REPAIR

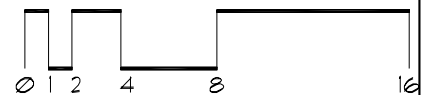


Roof Corrective Action



SYMBOLS KEY

- ROOF DRAIN
- || SCUPPER
- DEFECT-REPAIR



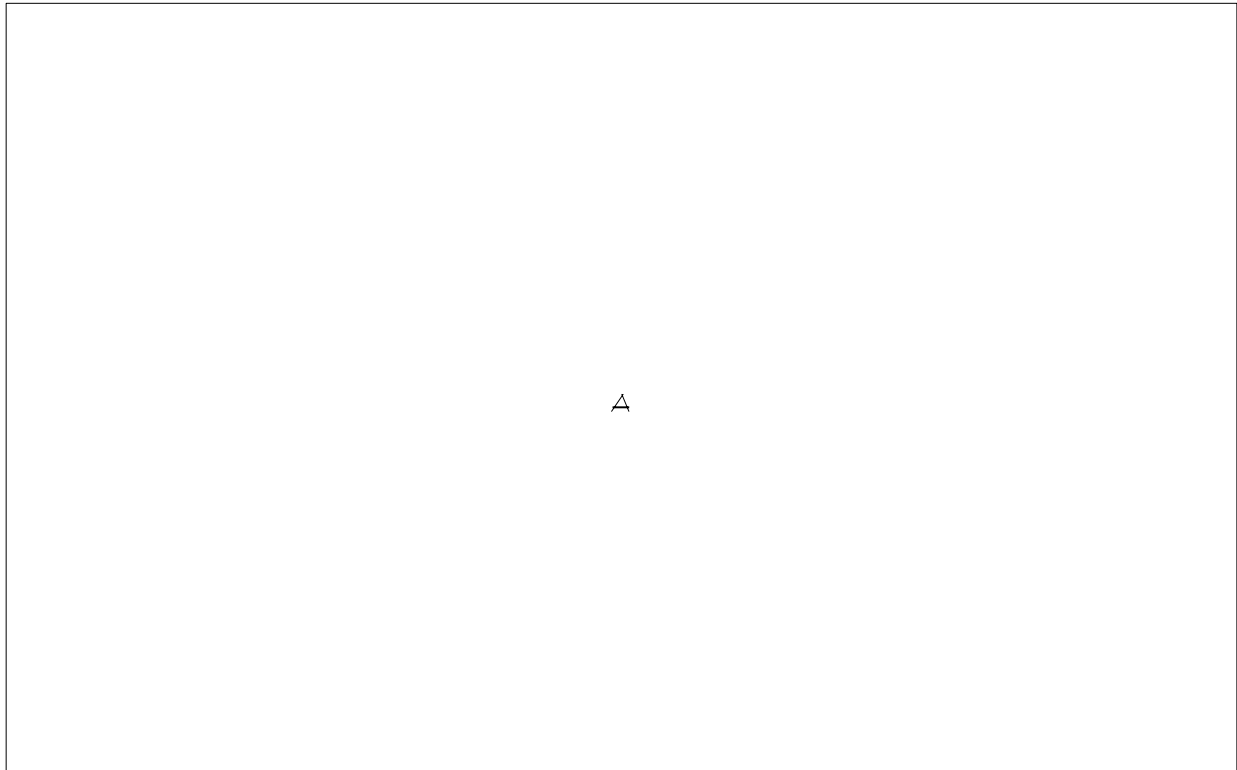
Roof ID

Building: SP422 - Animal Arena - (1888 Carter Ave)

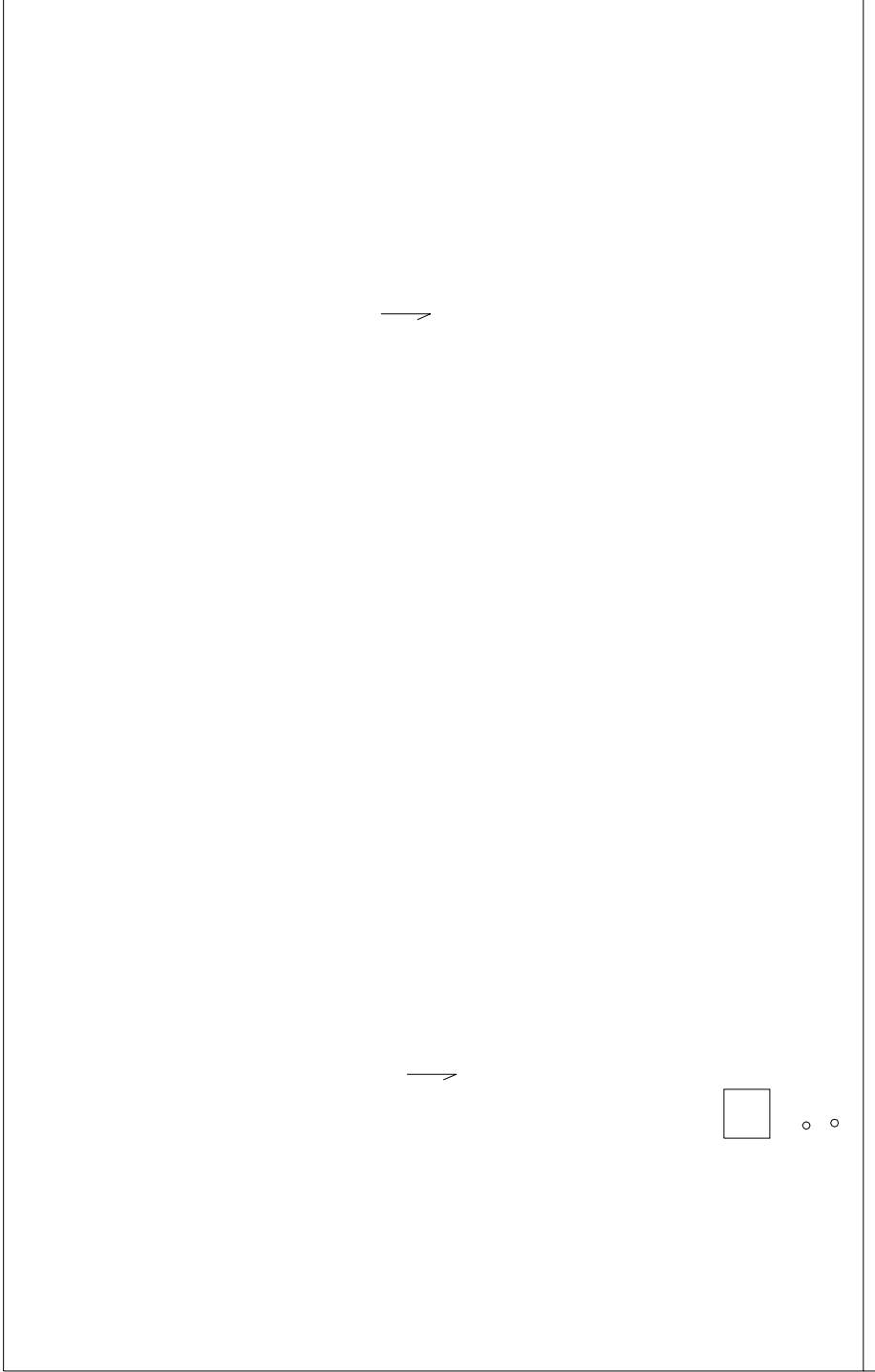
Roof Access: Ladder

Total Area: 9,126 sf

A 9,126 sf



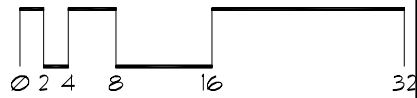
Roof Corrective Action



GUTTER

SYMBOLS KEY

- ROOF CURB
- VENT STACK
- ⊖ DEFECT-NO REPAIR
- ⊕ DEFECT-REPAIR



Roof ID

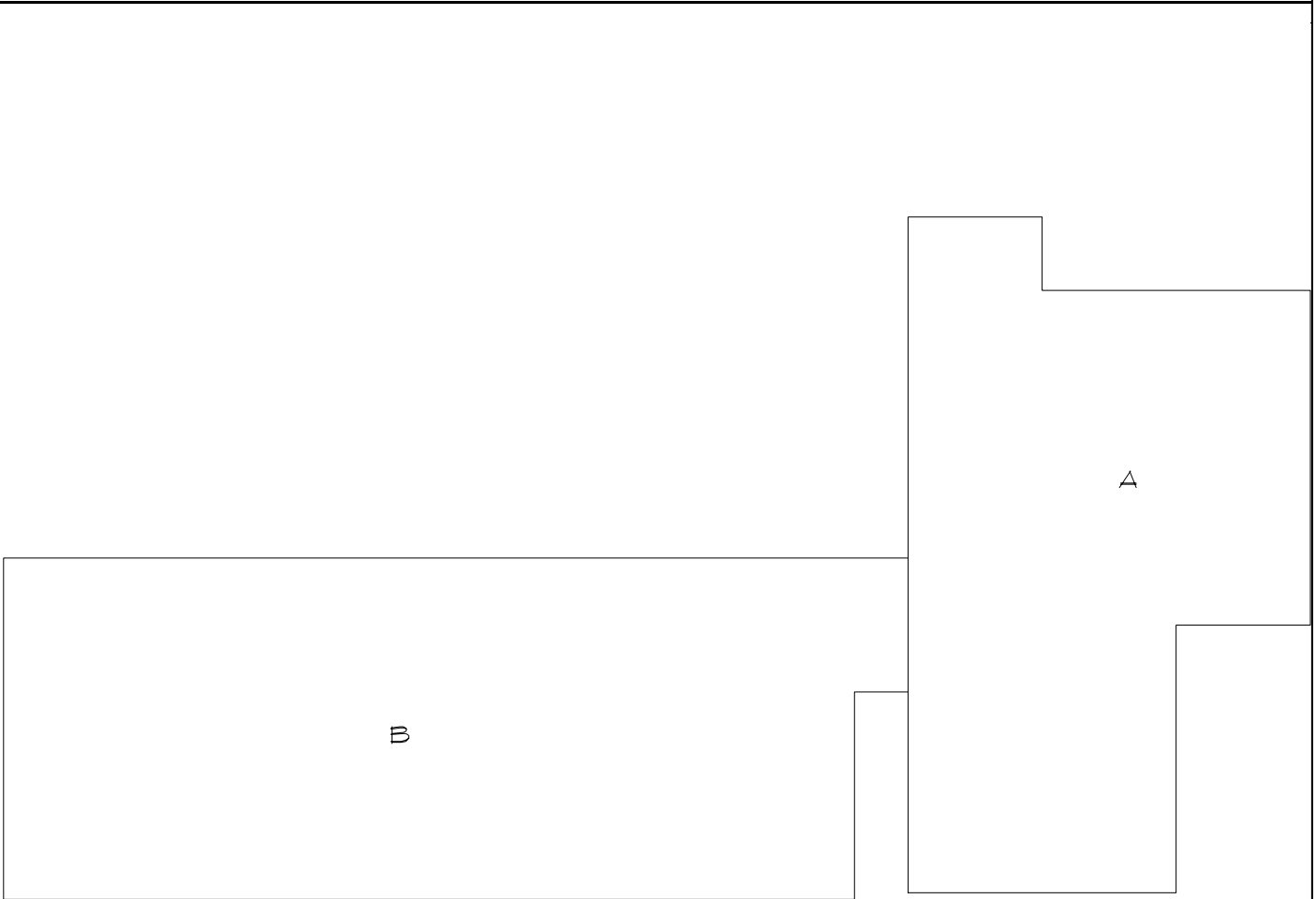
Building: SP423 - Agronomy Plant Genetics Greenhouse - (1529 Lindig Street)

Roof Access: Ladder

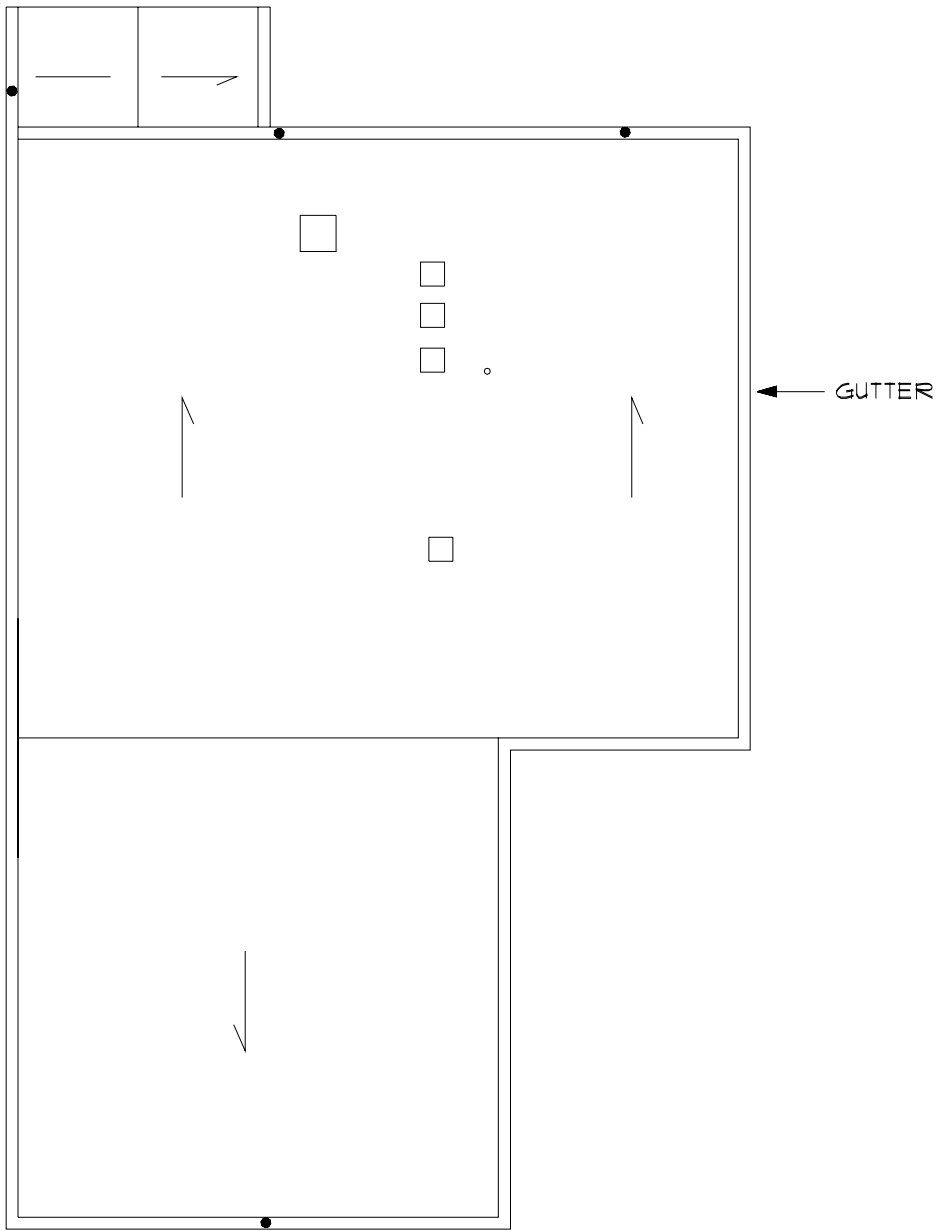
Total Area: 13,353 sf

A 3,930 sf

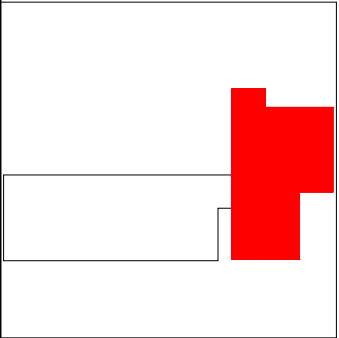
B 9,423 sf



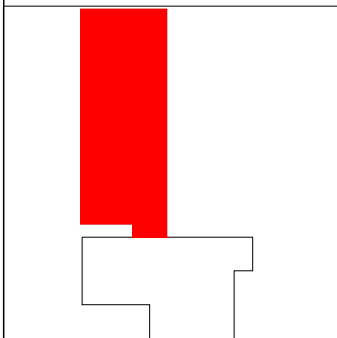
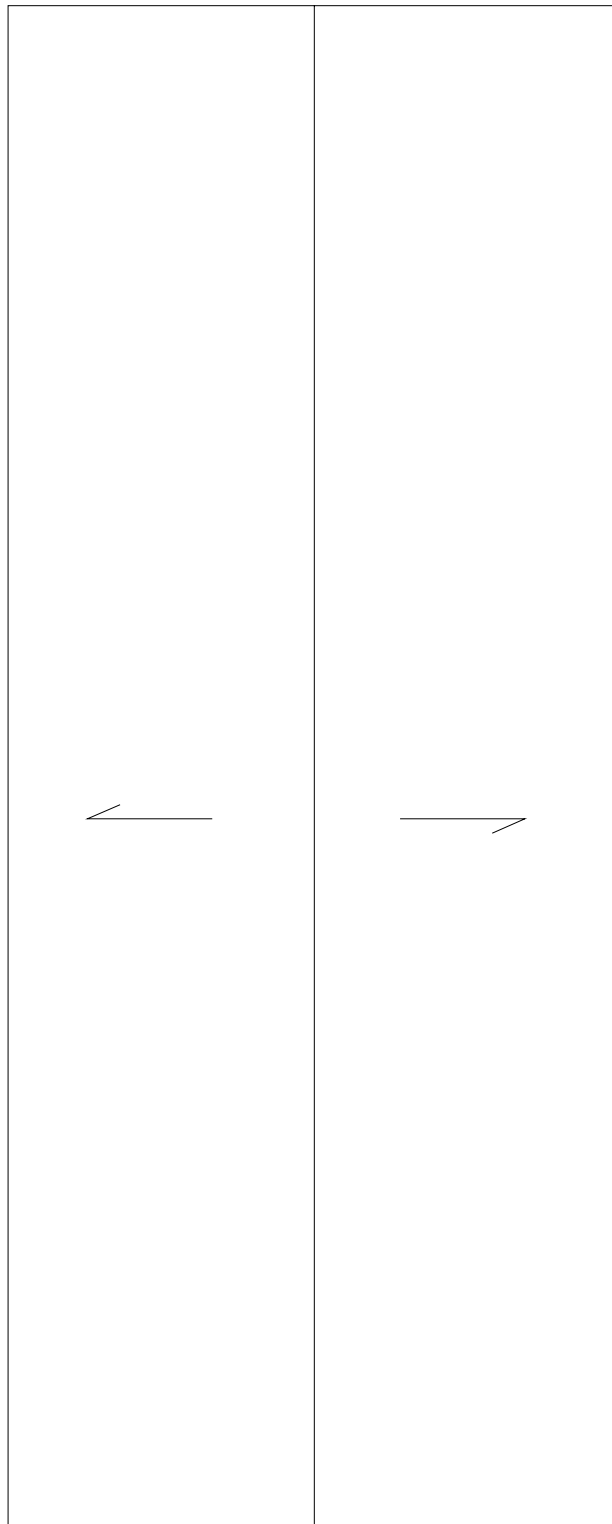
Roof Corrective Action



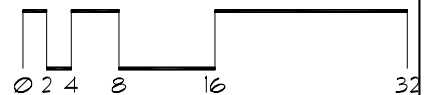
SYMBOLS KEY	
□	ROOF CURB
○	VENT STACK
⊥	SCUPPER
→	SLOPE DIRECTION
①	DEFECT-NO REPAIR



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION

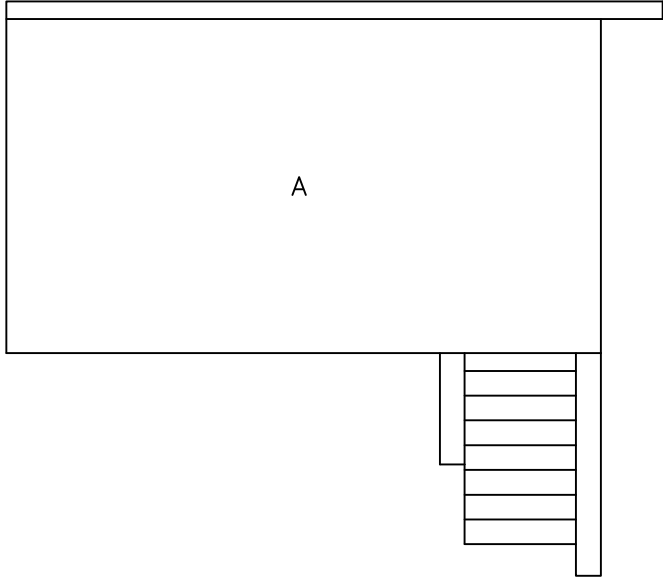


Roof ID

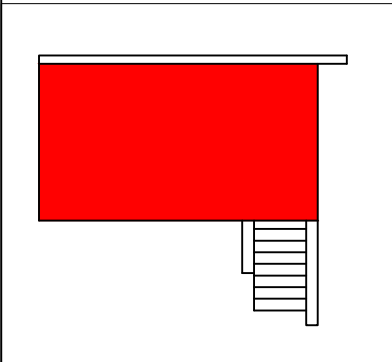
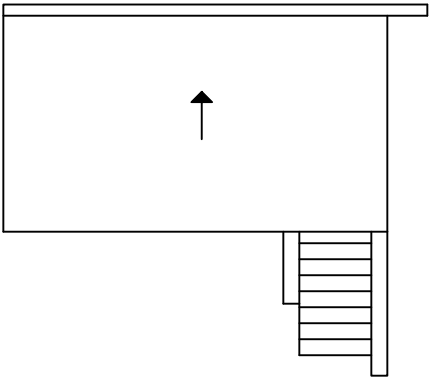
Building: 424 - Research Weather Station- (Gortner Ave)
Roof Access: At Grade

Total SF: 398 sf

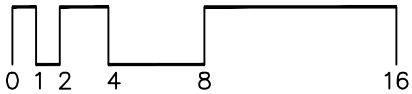
A: 398 sf			



Roof Corrective Action



SYMBOLS KEY
|→ SLOPE DIRECTION



Roof ID

Building: SP425 - Farm/Ground Maintenance - (1866 Dudley Ave St. Paul)

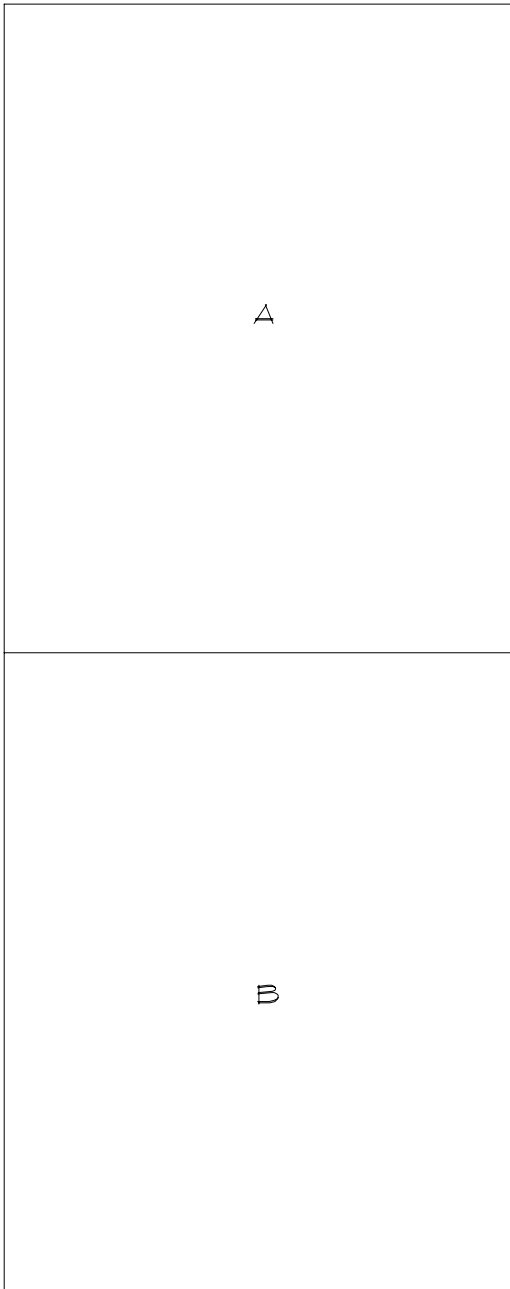
Roof Access: Roof hatch section A

Total Area: 8,265 sf

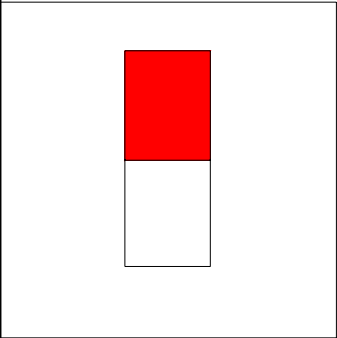
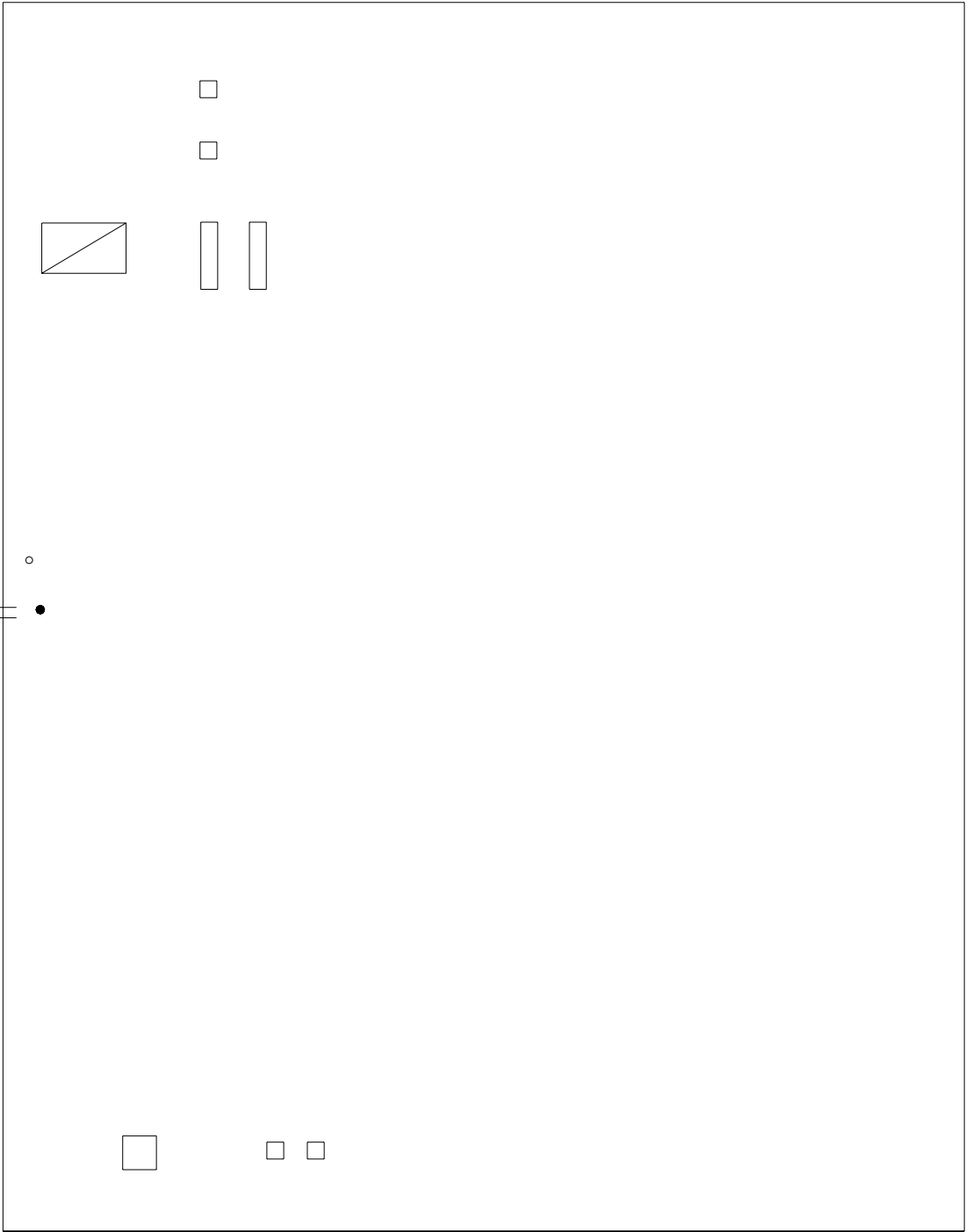
A 4,161 sf

B 4,104 sf

SYMBOLS KEY

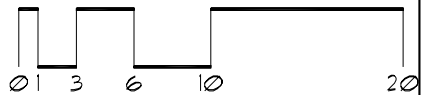


Roof Corrective Action

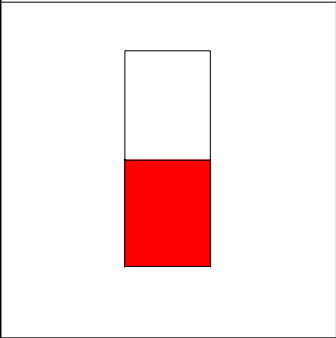
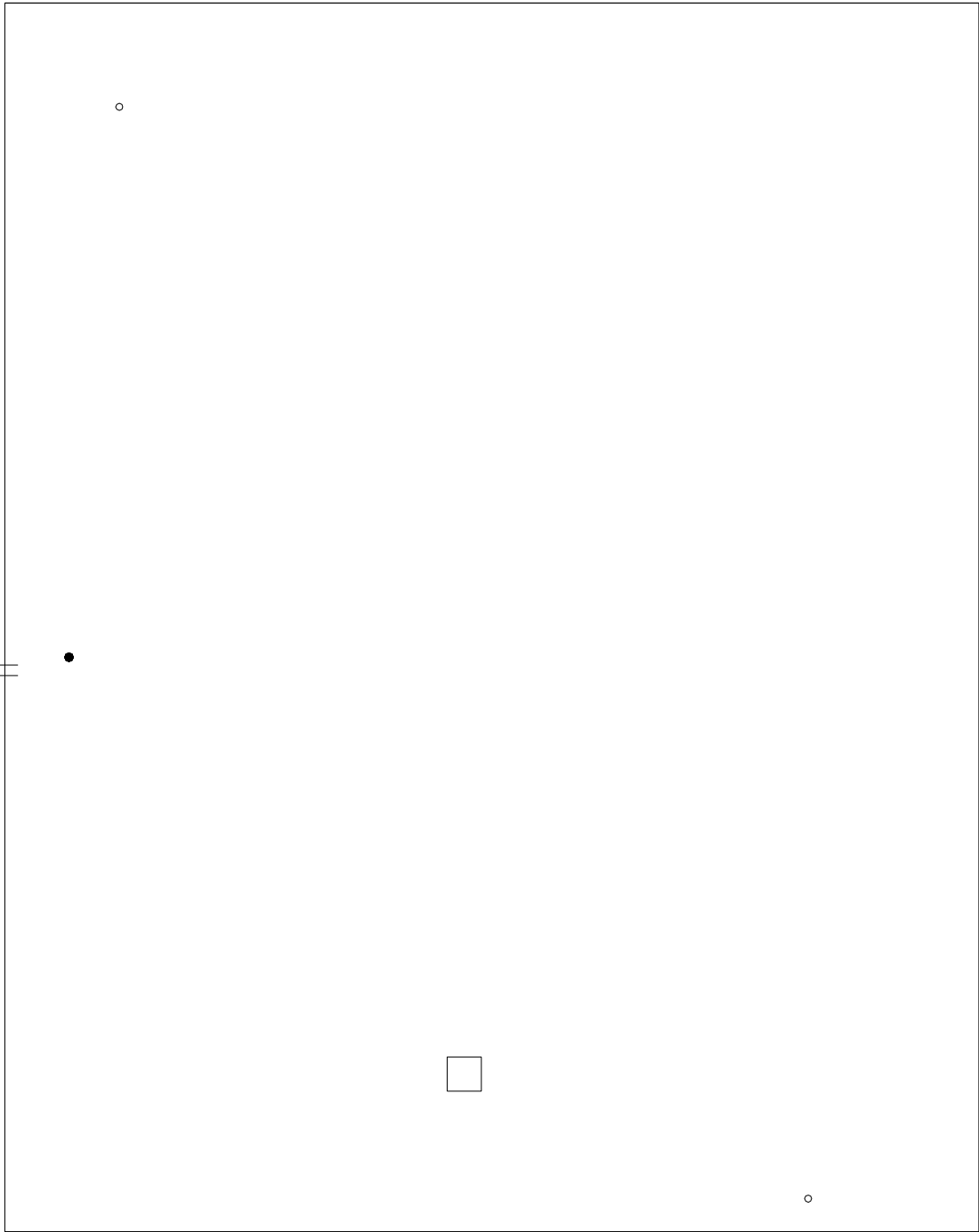


SYMBOLS KEY

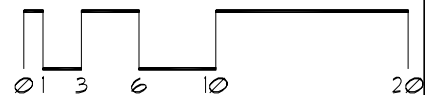
- ROOF CURB
- ROOF DRAIN
- ▣ ROOF HATCH
- ⊙ DEFECT-NO REPAIR
- ⊙ DEFECT-REPAIR



Roof Corrective Action



SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
⊕	SCUPPER
⊖	DEFECT-NO REPAIR
⊕	DEFECT-REPAIR



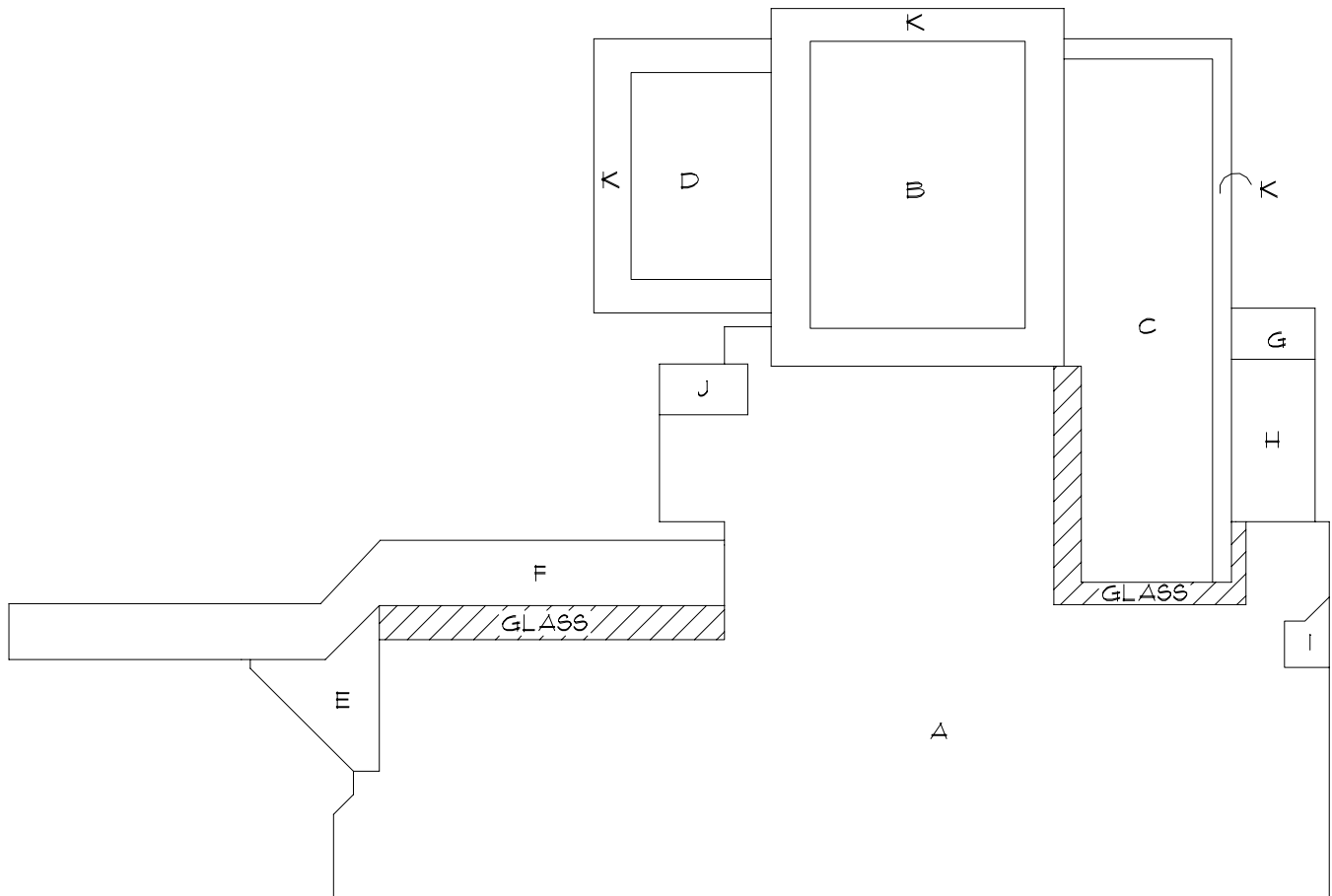
Roof ID

Building: SP426 - Votech Education Bldg - (1954 Buford Ave St. Paul, Mn)

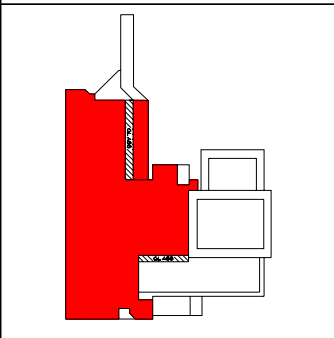
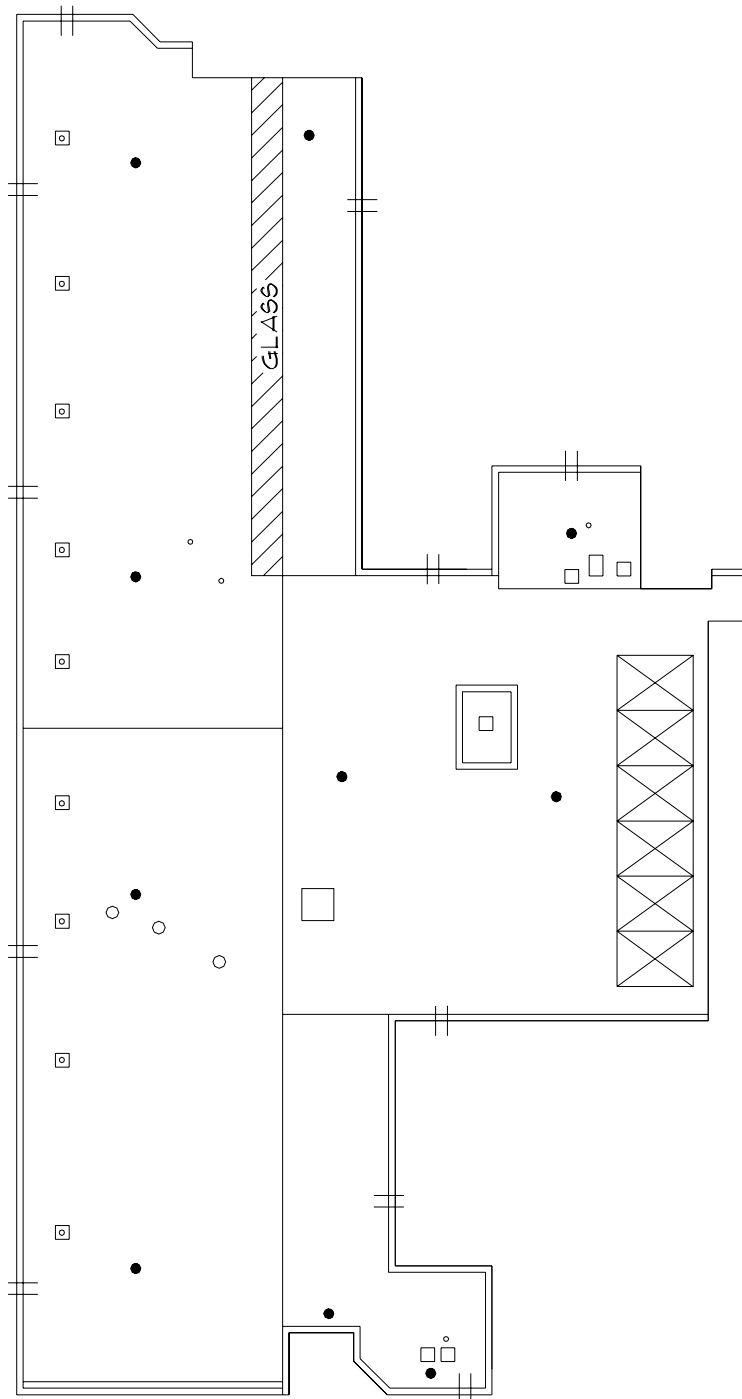
Roof Access: Elevator to 4th floor north stairwell

Total Area: 28,490 sf

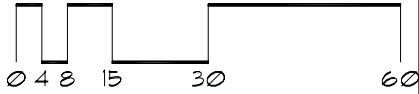
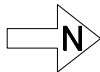
A	15,800 sf	E	464 sf	I	100 sf
B	2,930 sf	F	1,565 sf	J	170 sf
C	3,005 sf	G	195 sf	K	2,620 sf
D	1,236 sf	H	405 sf		



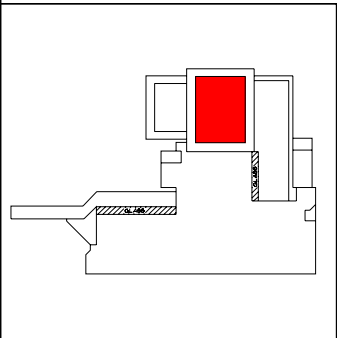
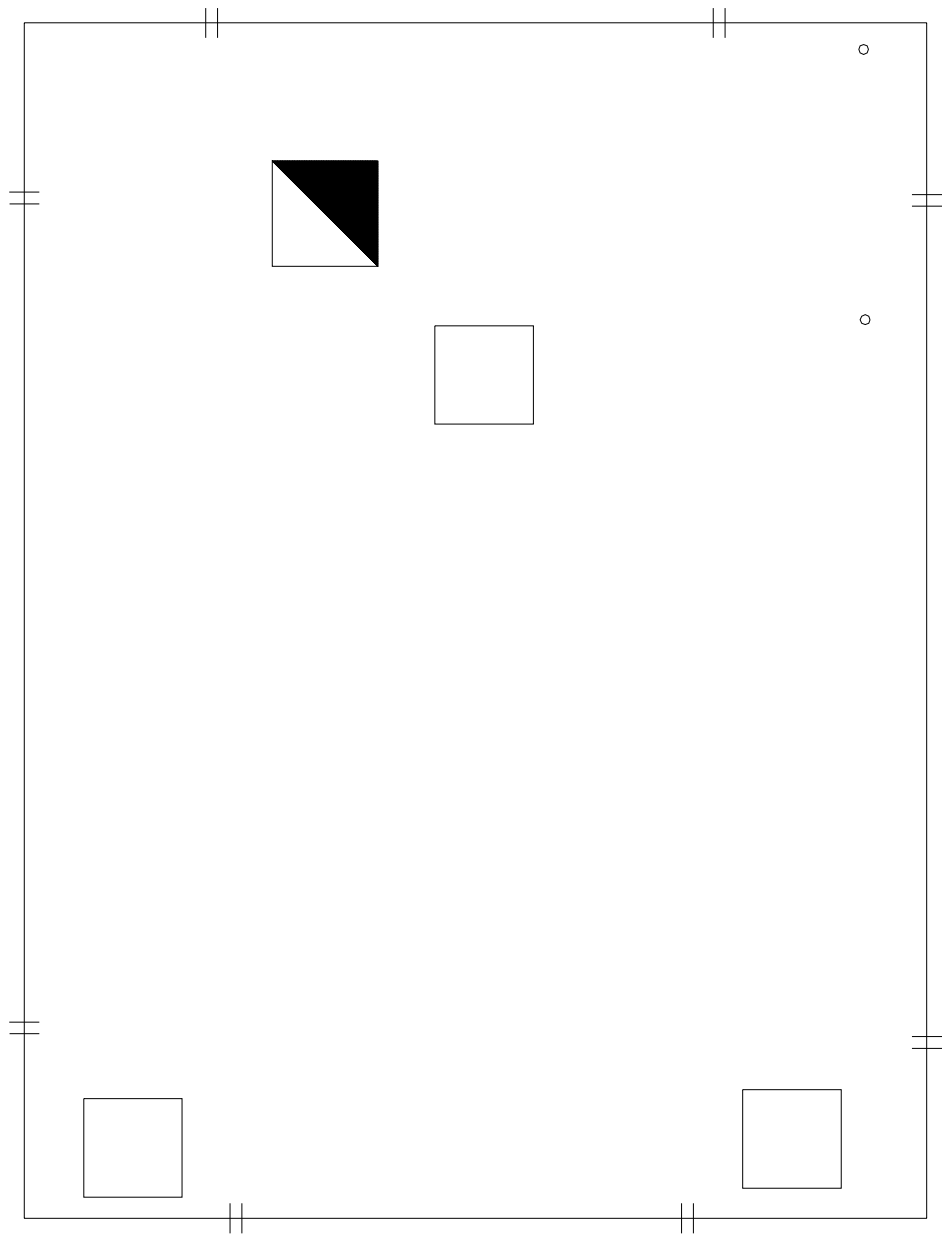
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - † SCUPPER
 - ⊠ SKYLIGHT
 - ⊕ DEFECT-REPAIR
 - ⊖ DEFECT-NO REPAIR

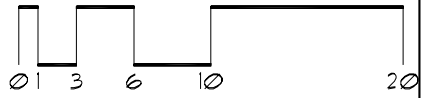


Roof Corrective Action

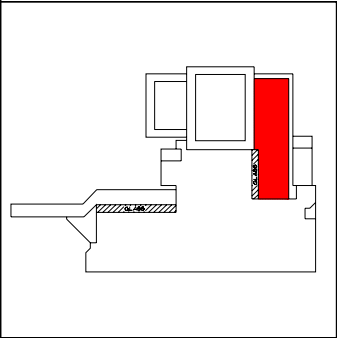
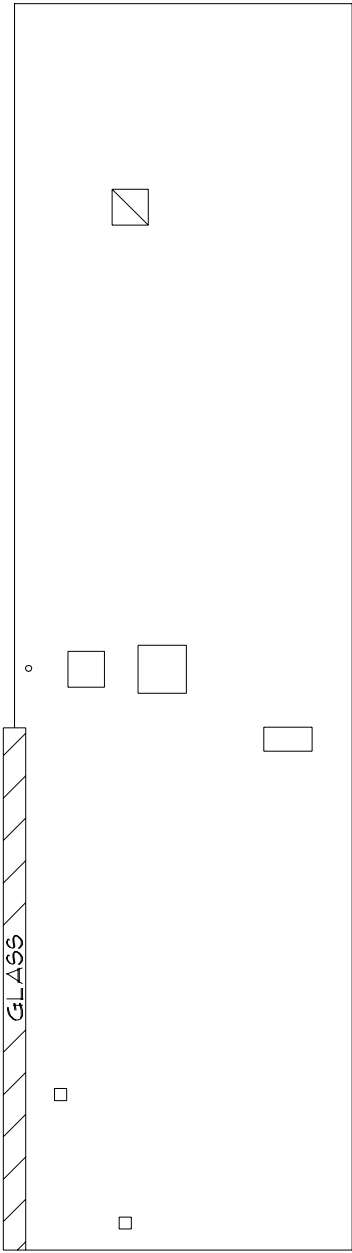


SYMBOLS KEY

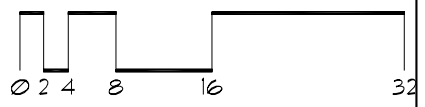
- ROOF CURB
- VENT STACK
- ▴ CHIMNEY
- SLOPE DIRECTION



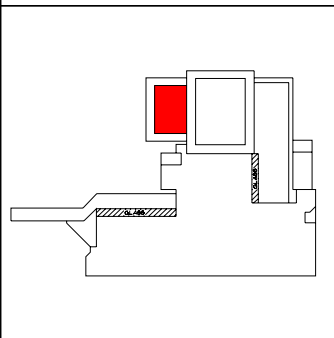
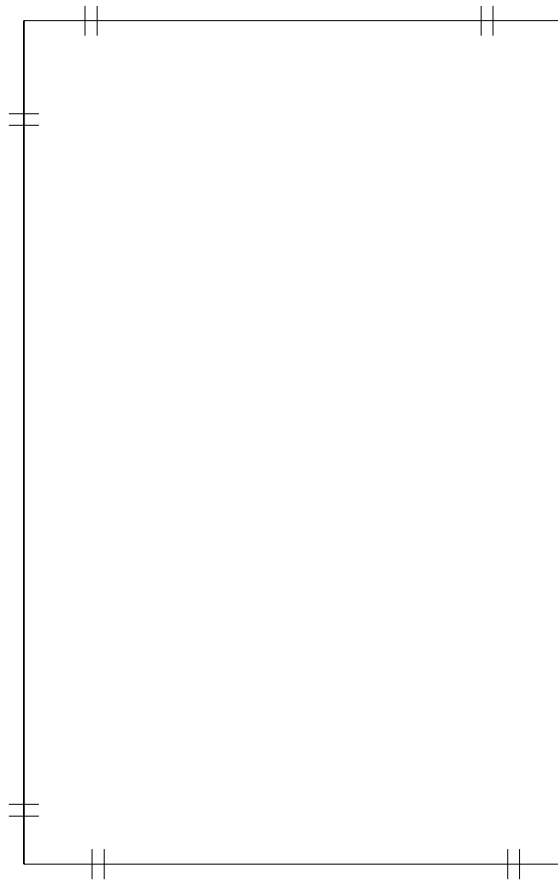
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - VENT STACK
 - ▣ ROOF HATCH
 - ↘ SLOPE DIRECTION
 - ① DEFECT-REPAIR

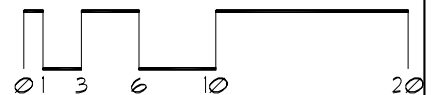


Roof Corrective Action

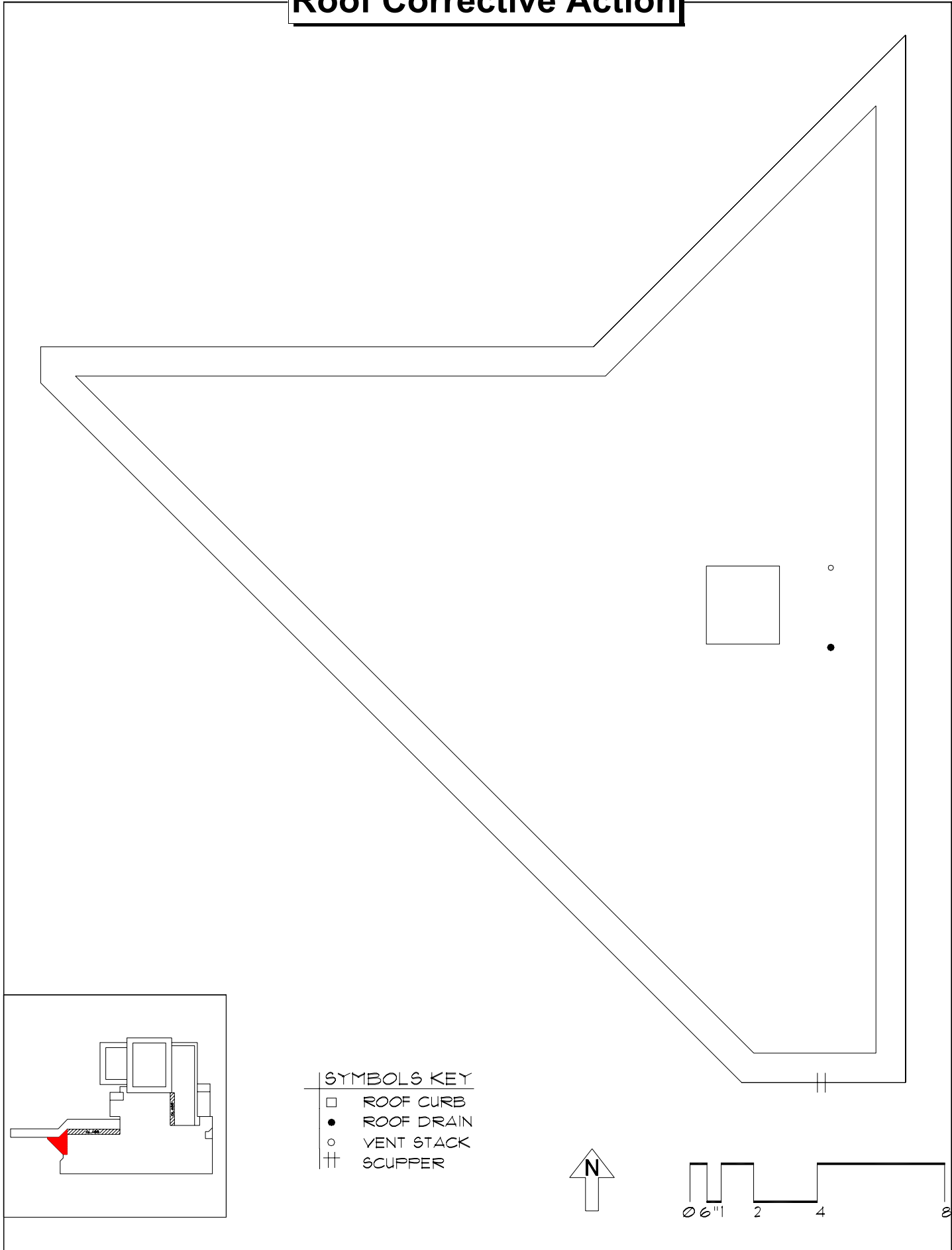


SYMBOLS KEY

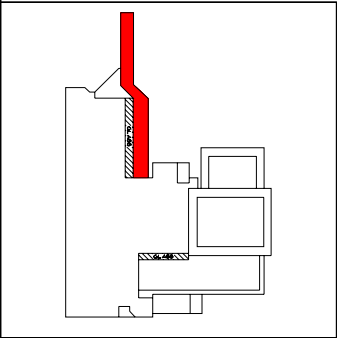
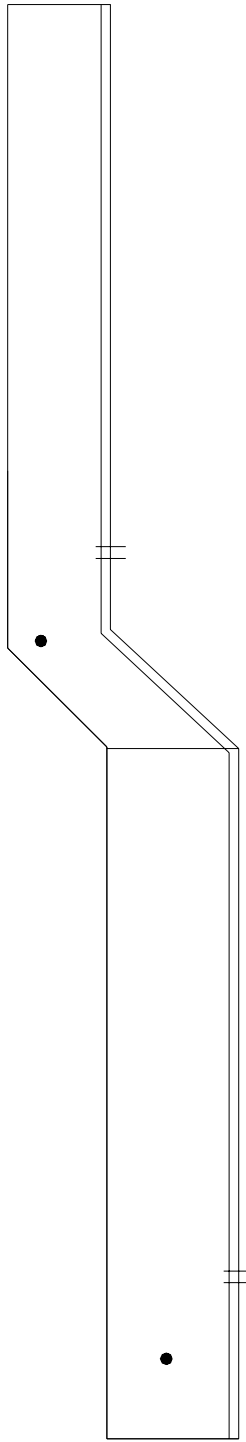
- ROOF CURB
- VENT STACK
- SLOPE DIRECTION
- Ⓢ DEFECT-REPAIR



Roof Corrective Action

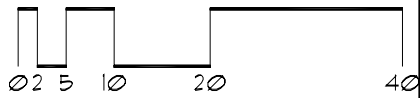


Roof Corrective Action

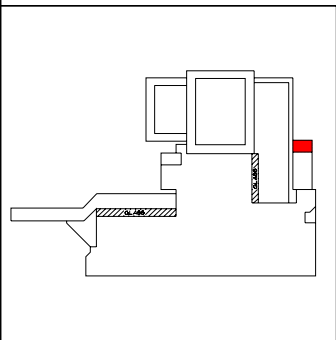
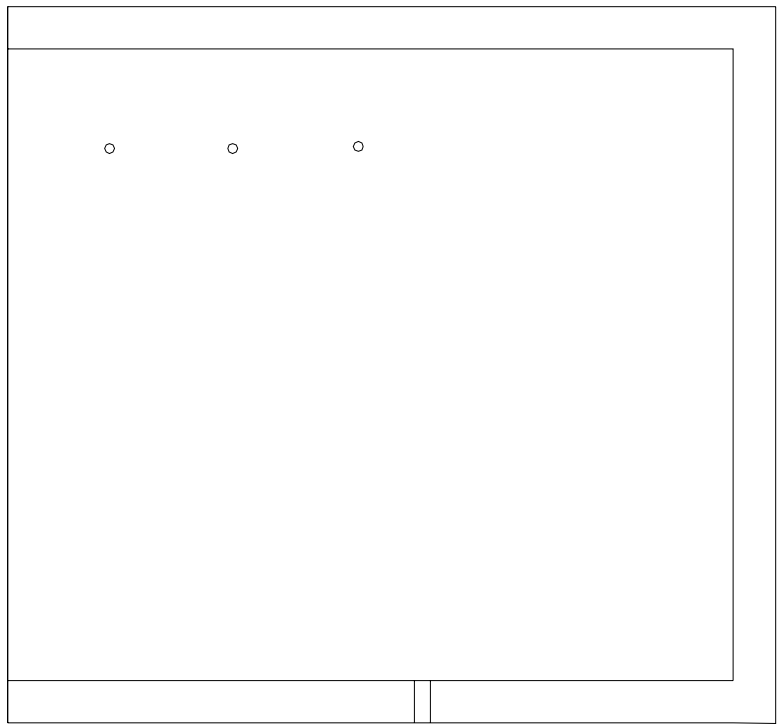


SYMBOLS KEY

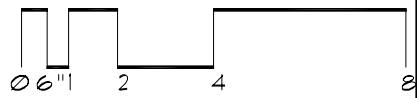
- || SCUPPER
- ROOF DRAIN
- DEFECT-REPAIR



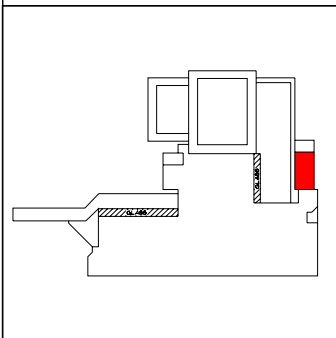
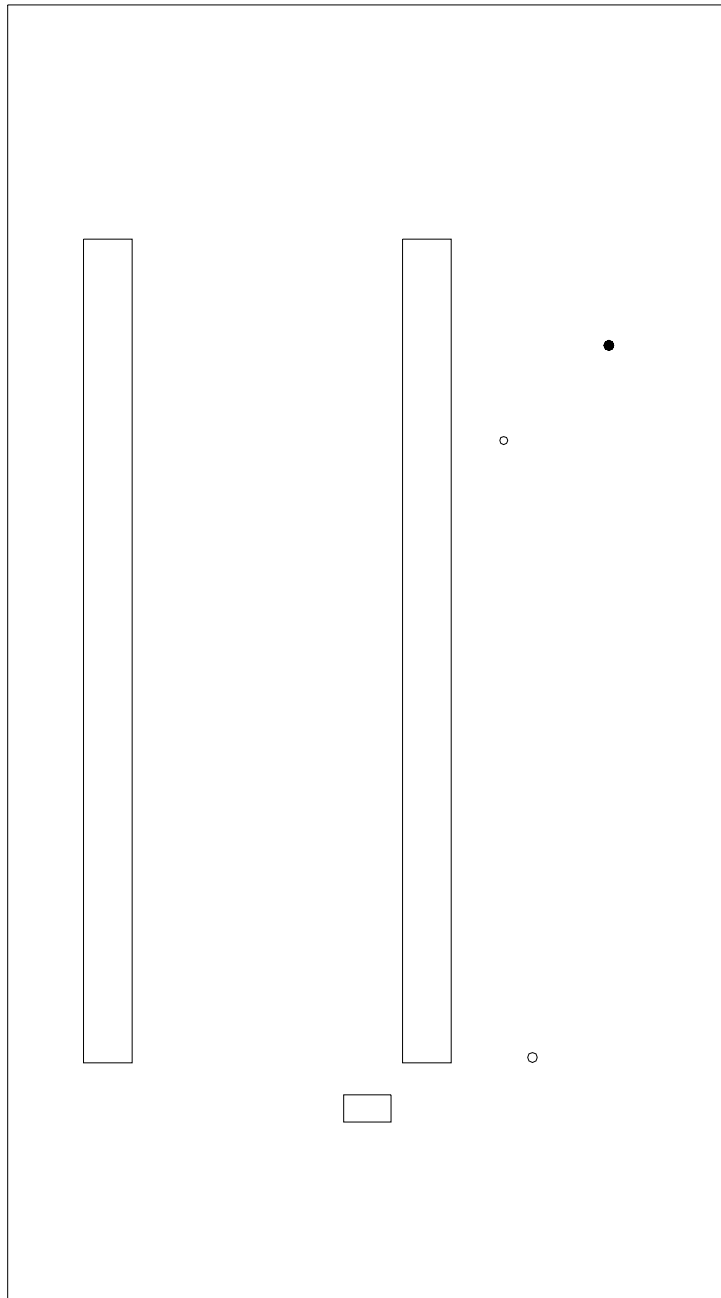
Roof Corrective Action



- SYMBOLS KEY**
- VENT STACK
 - † SCUPPER
 - Ⓢ DEFECT-REPAIR

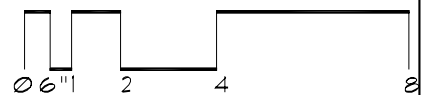


Roof Corrective Action

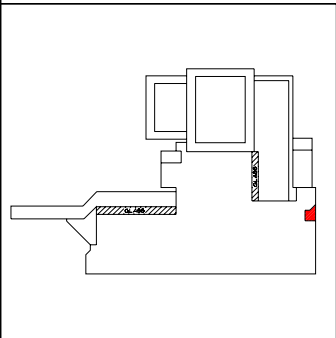
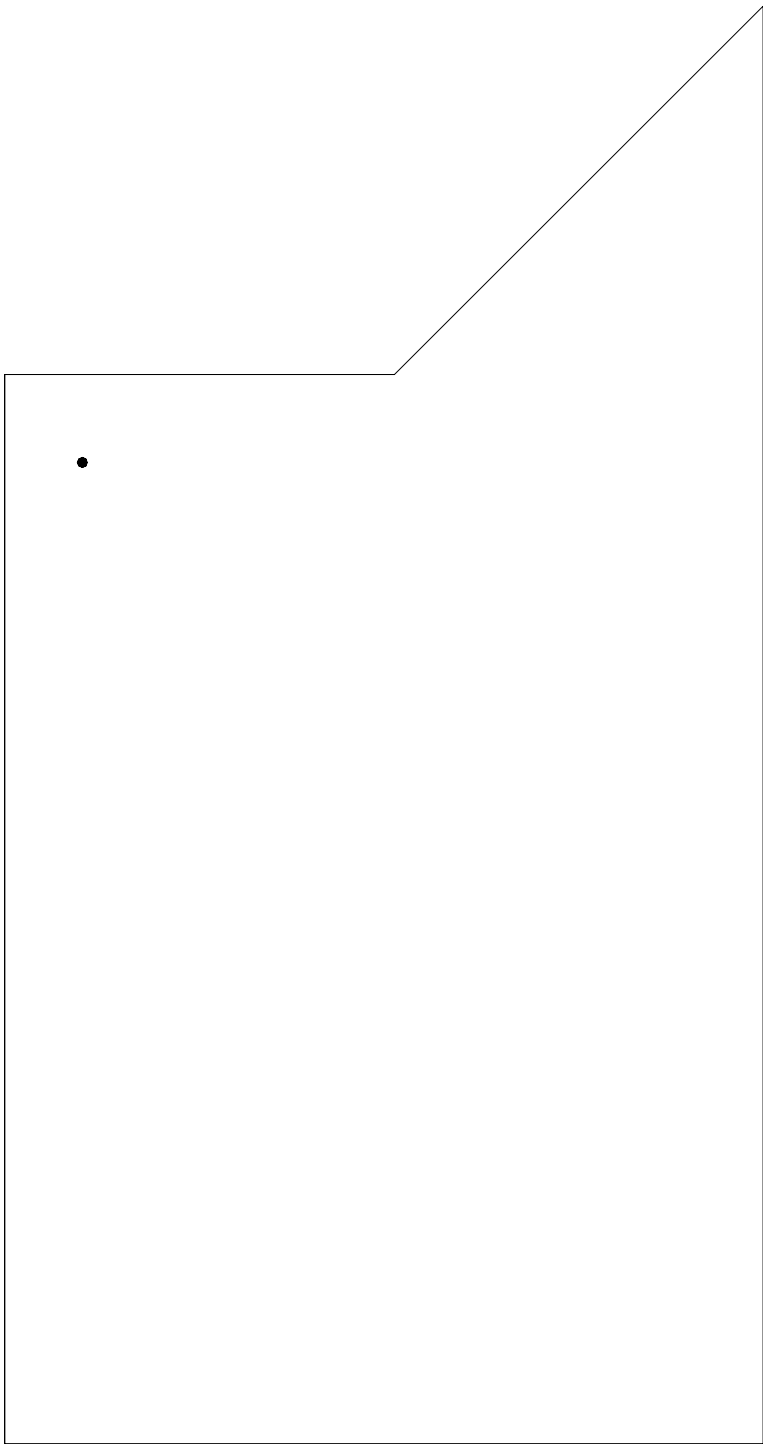


SYMBOLS KEY

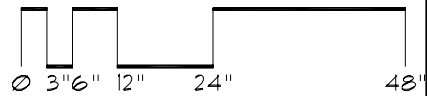
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- Ⓜ DEFECT-REPAIR



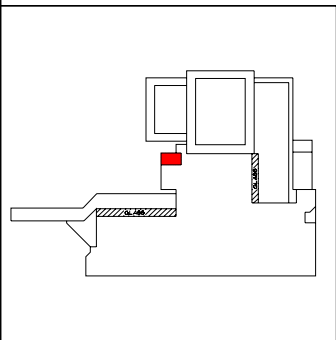
Roof Corrective Action



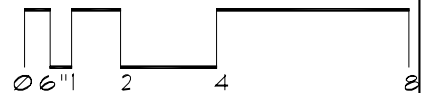
SYMBOLS KEY
● ROOF DRAIN



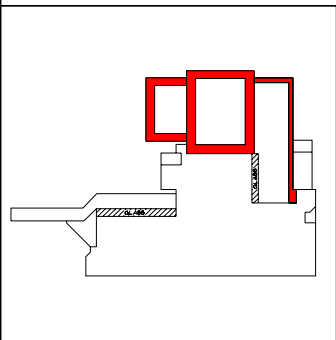
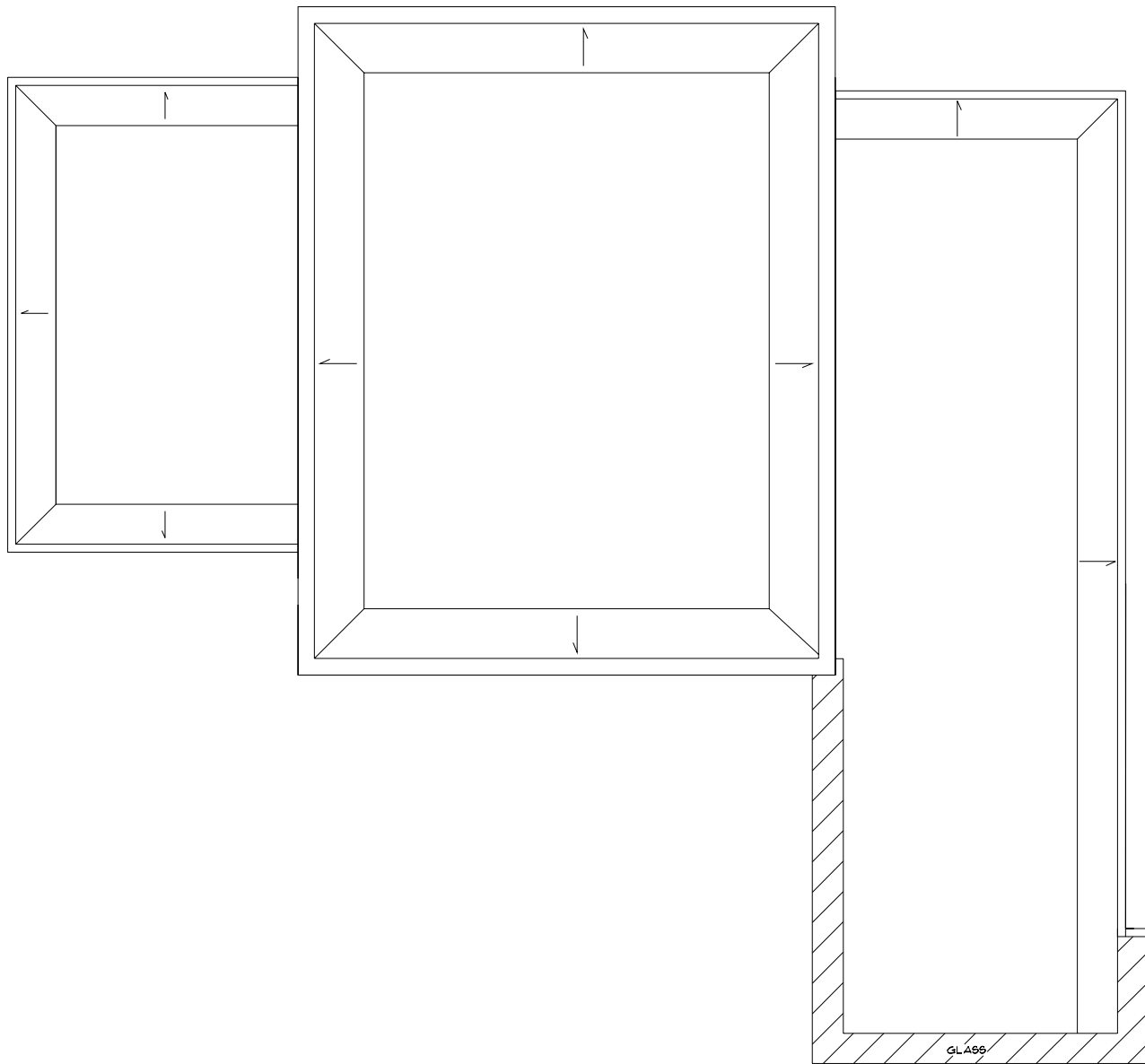
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER

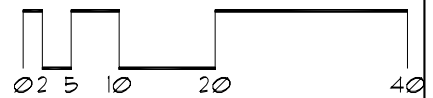


Roof Corrective Action



SYMBOLS KEY

- SLOPE DIRECTION
- ⊕ DEFECT-REPAIR
- ⊖ DEFECT-NO REPAIR



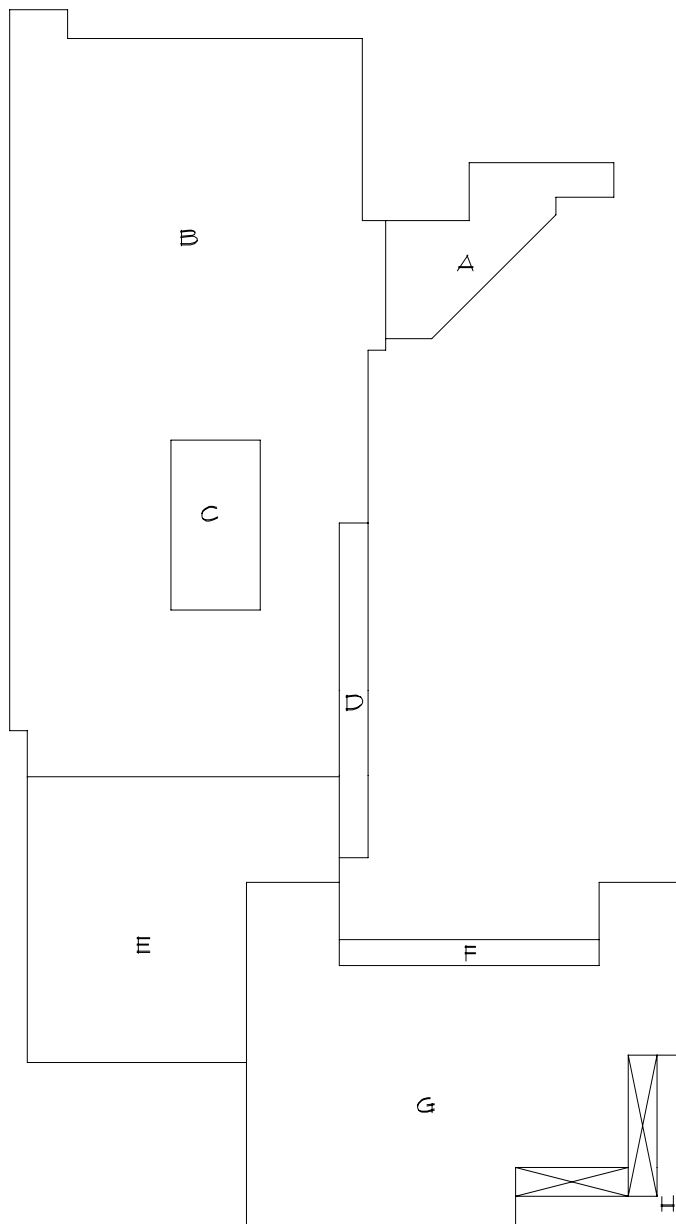
Roof ID

Building: SP427 - Vet Medical Ctr North - (1365 Gortner Ave St Paul, Mn)

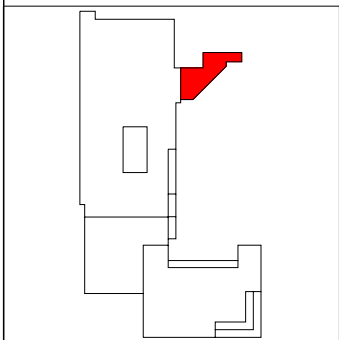
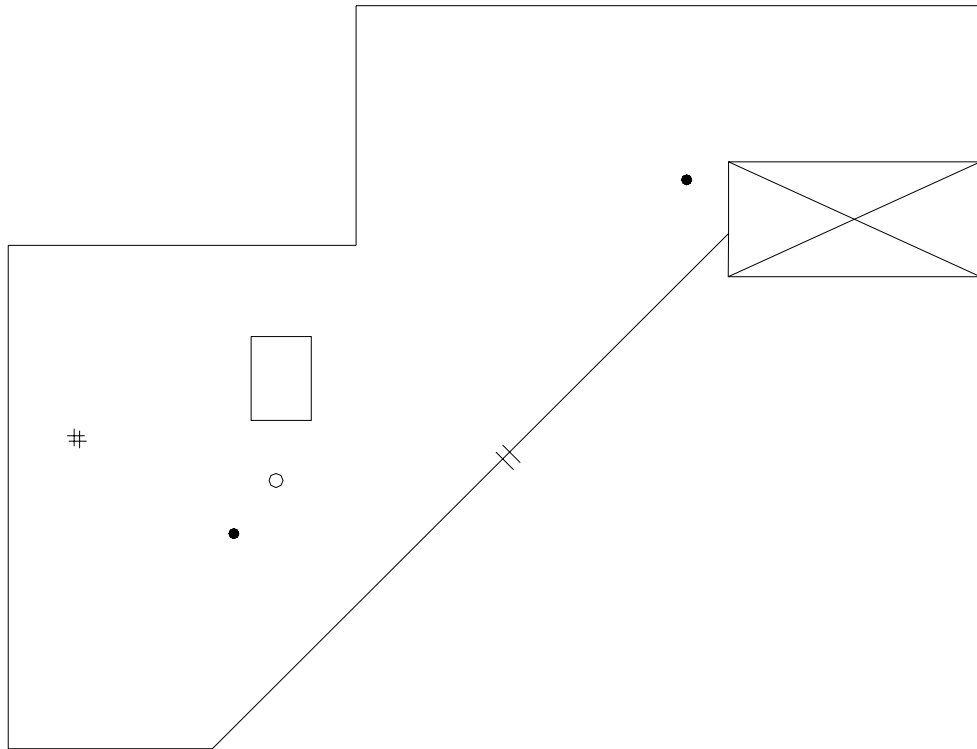
Roof Access: Ladder

Total Area: 58,794 sf

A	2,488 sf	E	8,580 sf
B	29,150 sf	F	900 sf
C	1,829 sf	G	13,617 sf
D	1,150 sf	H	1,080 sf

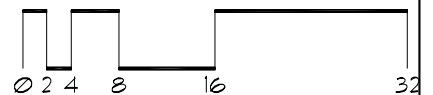
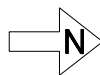


Roof Corrective Action

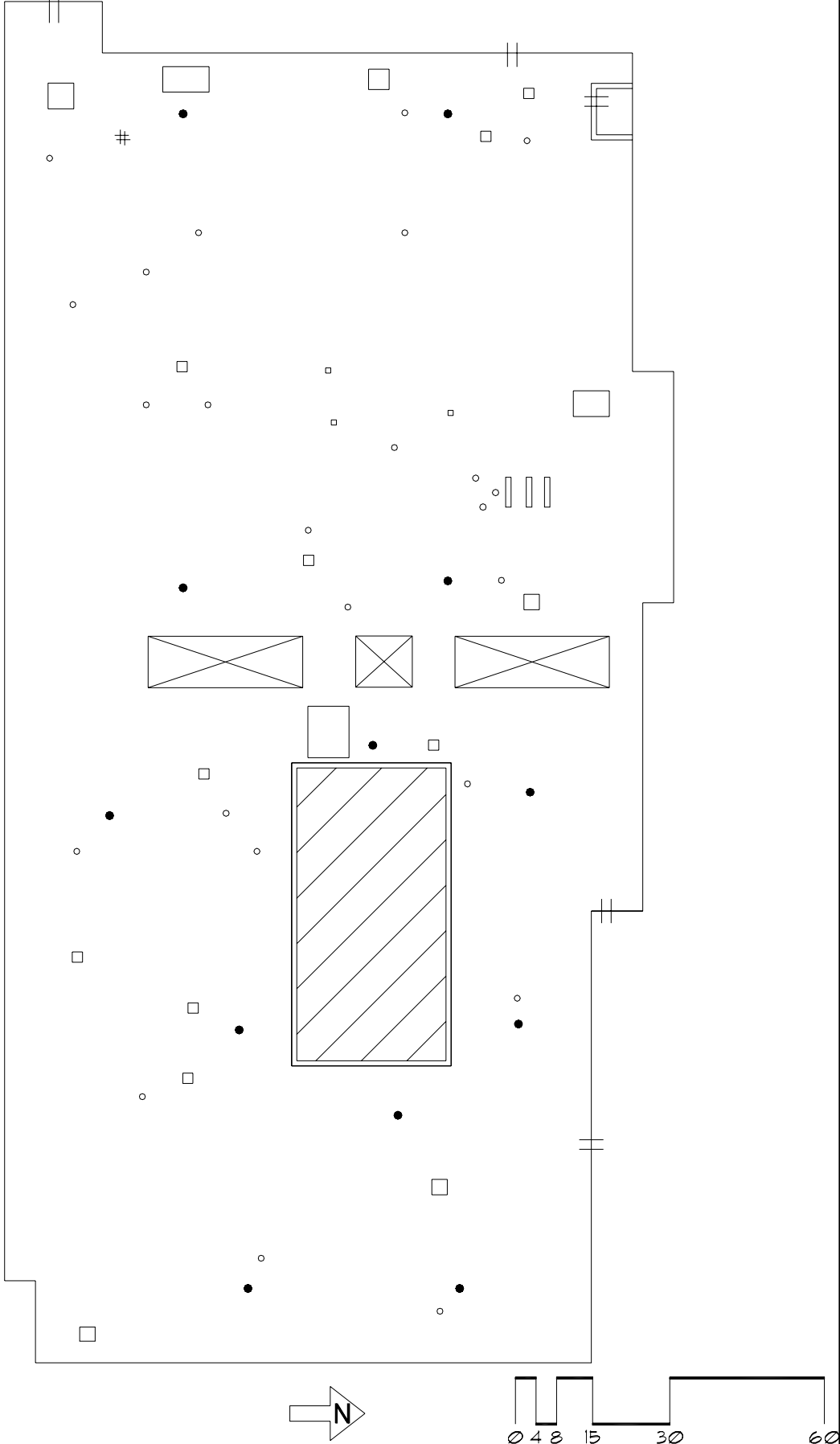


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- † SCUPPER
- # PITCH FAN
- ⊠ SKYLIGHT

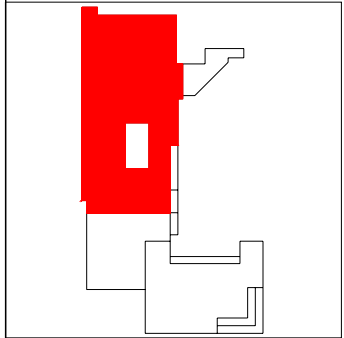


Roof Corrective Action

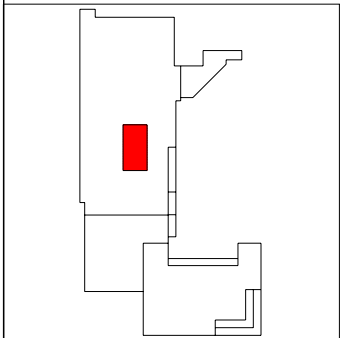
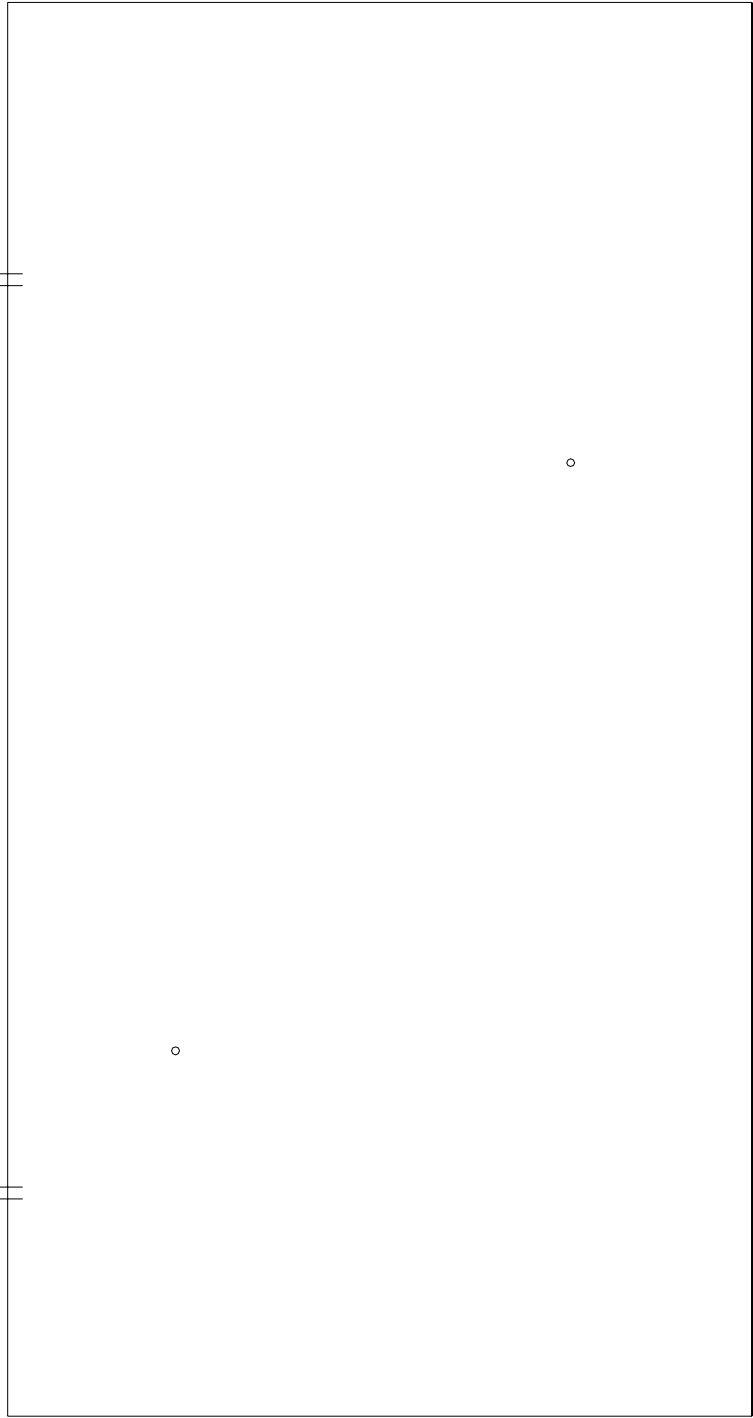


SYMBOLS KEY

- ROOF CURB
- ⊠ SKYLIGHT
- †† SCUPPER
- ≡ PITCH PAN
- ROOF DRAIN
- VENT STACK
- ⊖ DEFECT-REPAIR
- ⊕ DEFECT-NO REPAIR

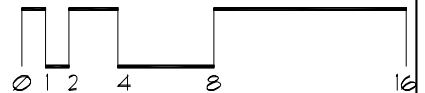


Roof Corrective Action



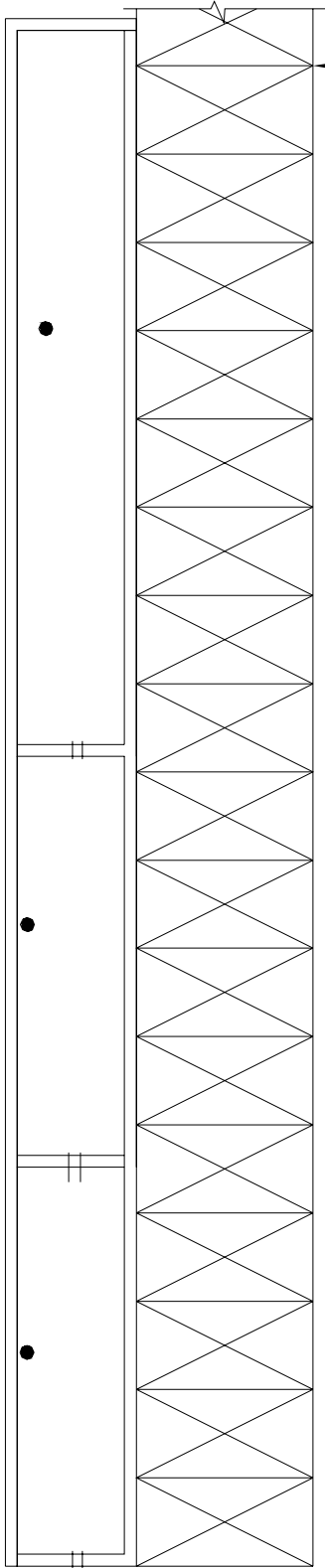
SYMBOLS KEY

- VENT STACK
- † SCUPPER
- Ⓜ DEFECT-REPAIR



Roof Corrective Action

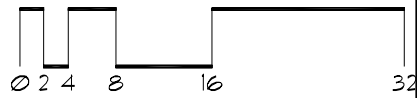
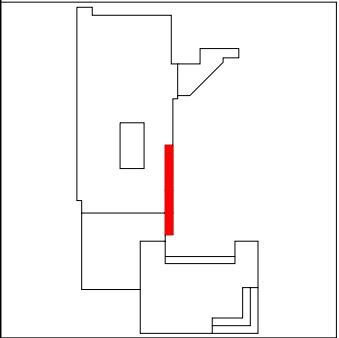
SKYLIGHTS (TYP.)



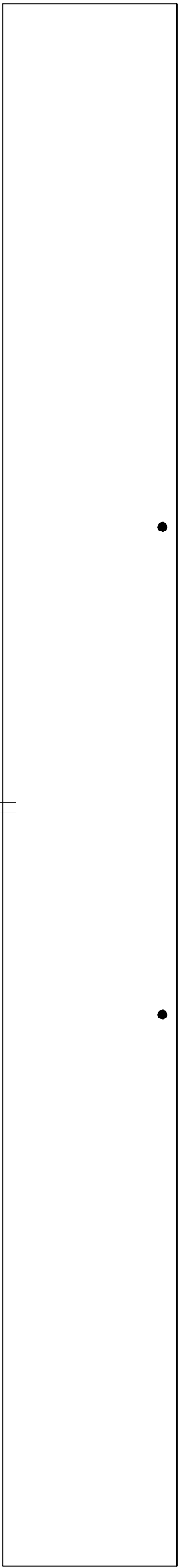
SYMBOLS KEY

- ROOF DRAIN
- || SCUPPER

① DEFECT-NO REPAIR

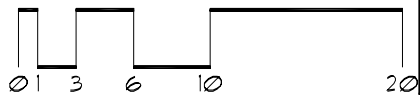
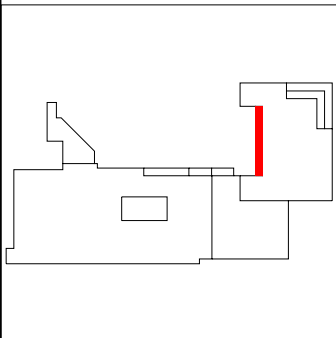


Roof Corrective Action

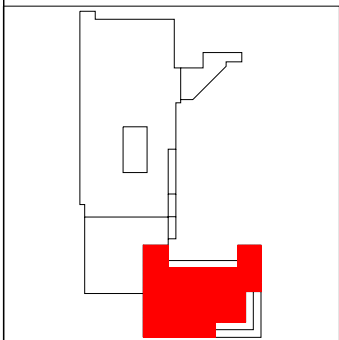
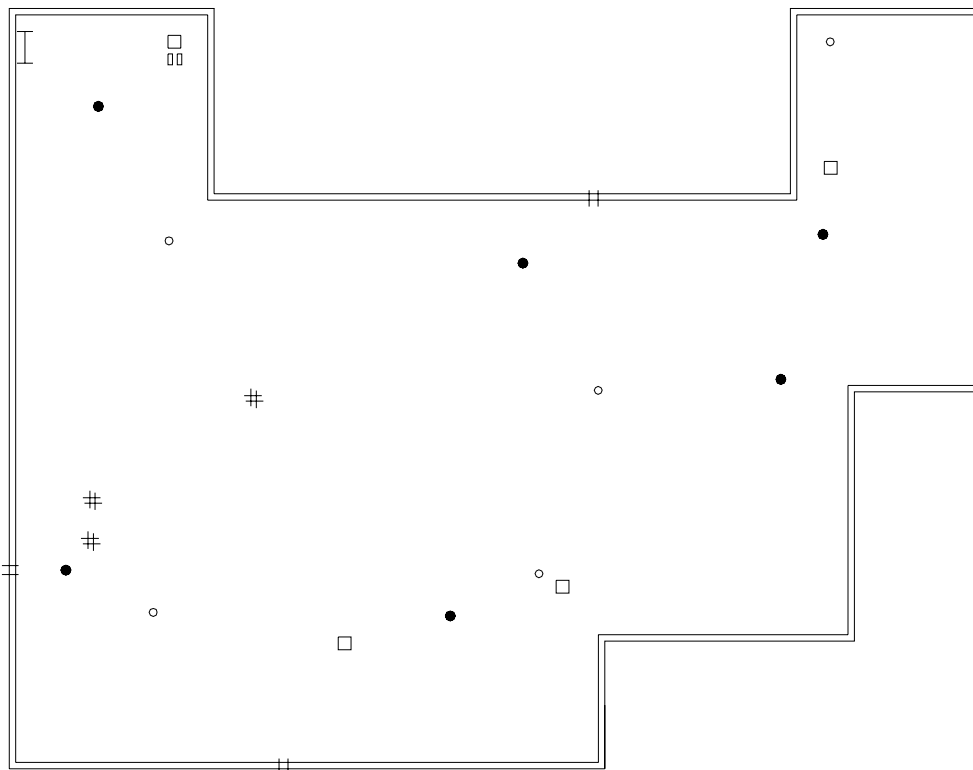


SYMBOLS KEY

- ROOF DRAIN
- †† SCUPPER

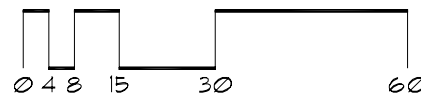


Roof Corrective Action

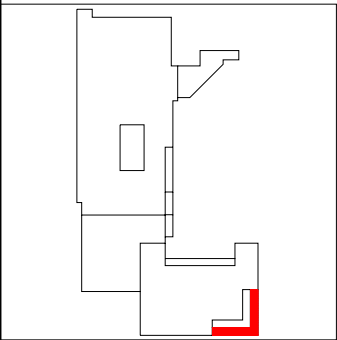
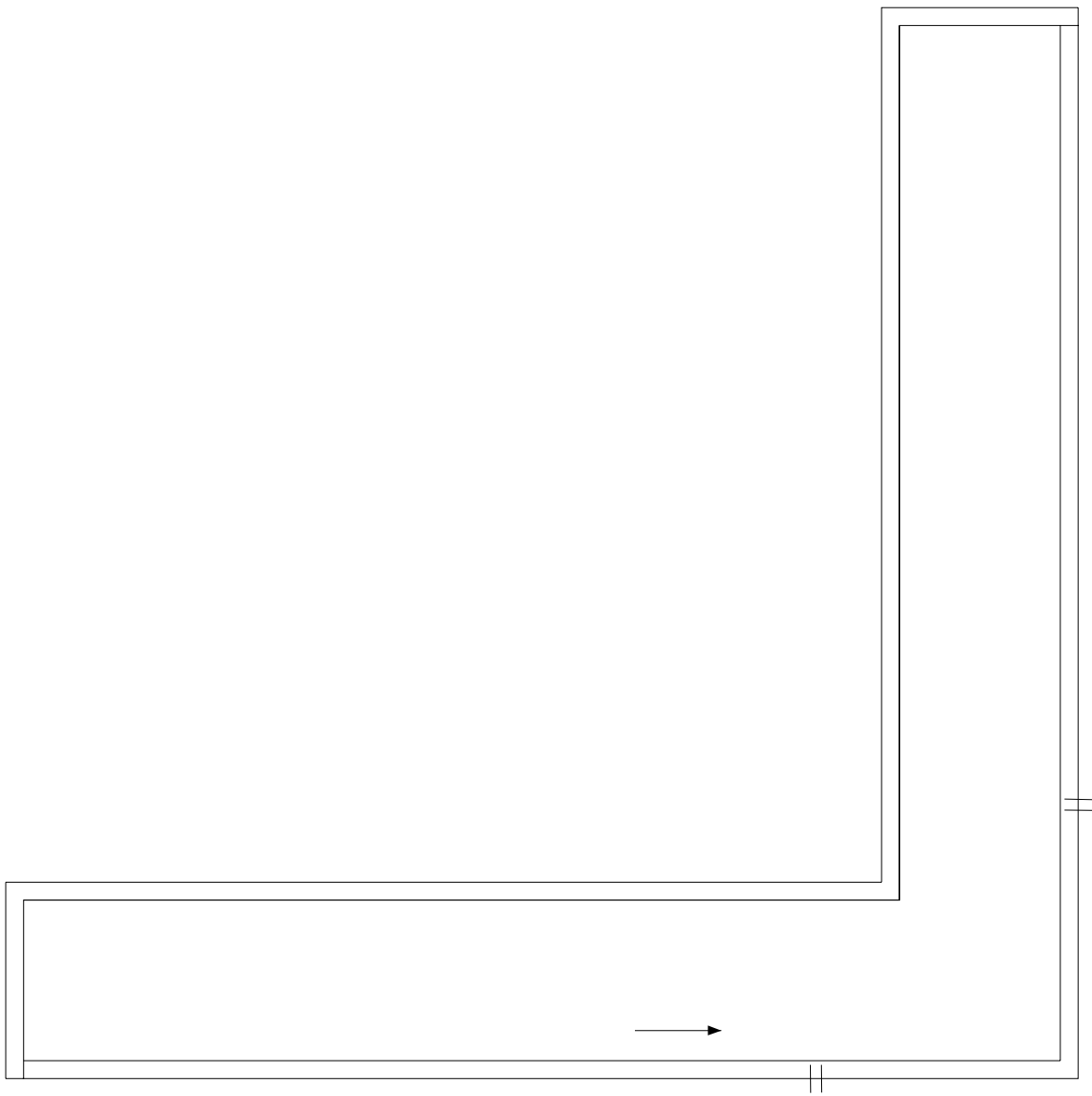


SYMBOLS KEY

- ROOF CURB
- ⦶ SCUPPER
- ROOF DRAIN
- VENT STACK
- Ⓜ DEFECT-REPAIR
- # PITCH PAN

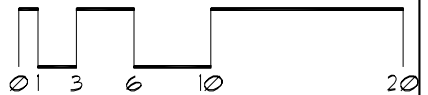


Roof Corrective Action



SYMBOLS KEY

- ROOF DRAIN
- Ⓢ DEFECT-REPAIR
- ≡ SCUPPER
- ⓪ DEFECT-NO REPAIR

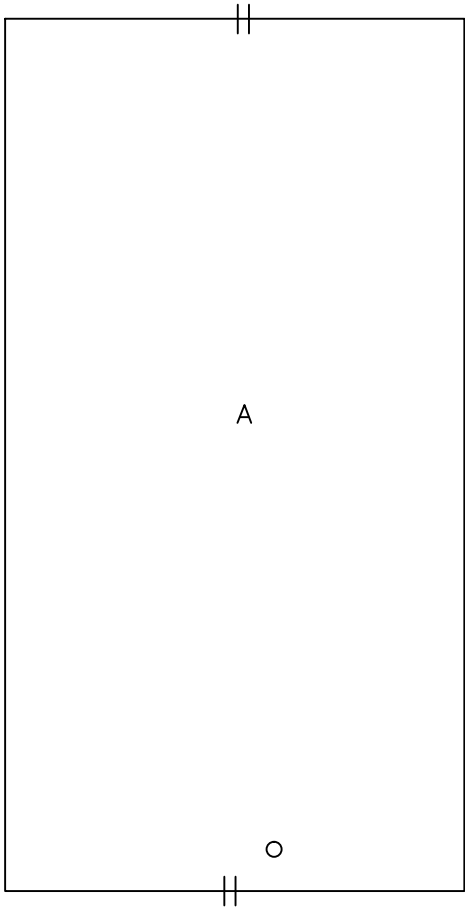


Roof ID

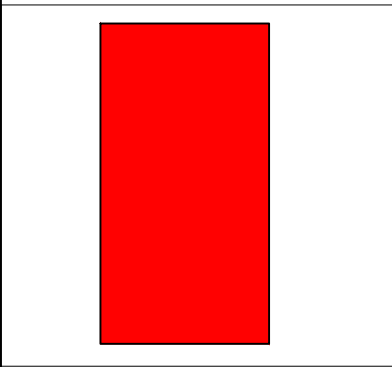
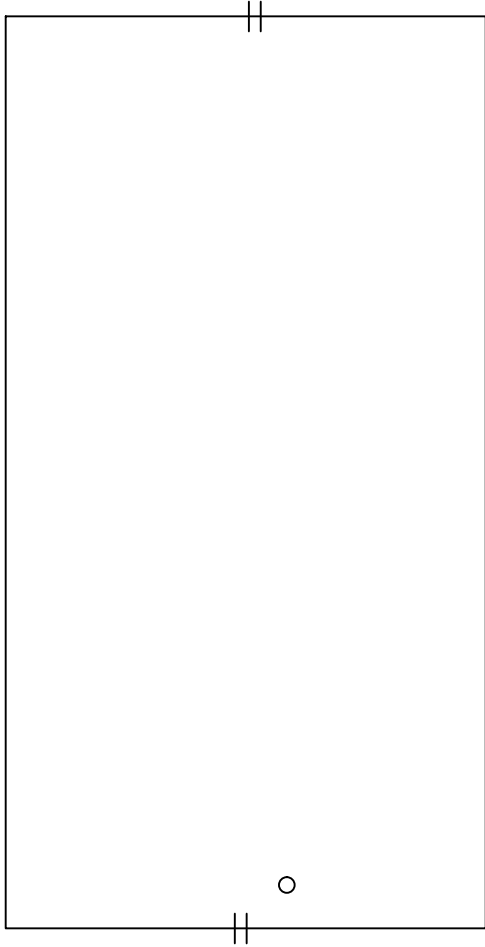
Building: 02.428 - Robbie Stadium Support Building - (1745 Cleveland Ave N)
Roof Access: Ladder

Total SF: 760 sf

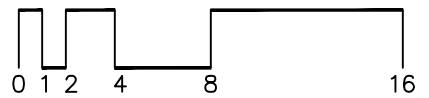
A: 760 sf



Roof Corrective Action



SYMBOLS KEY	
○	VENT
	SCUPPER



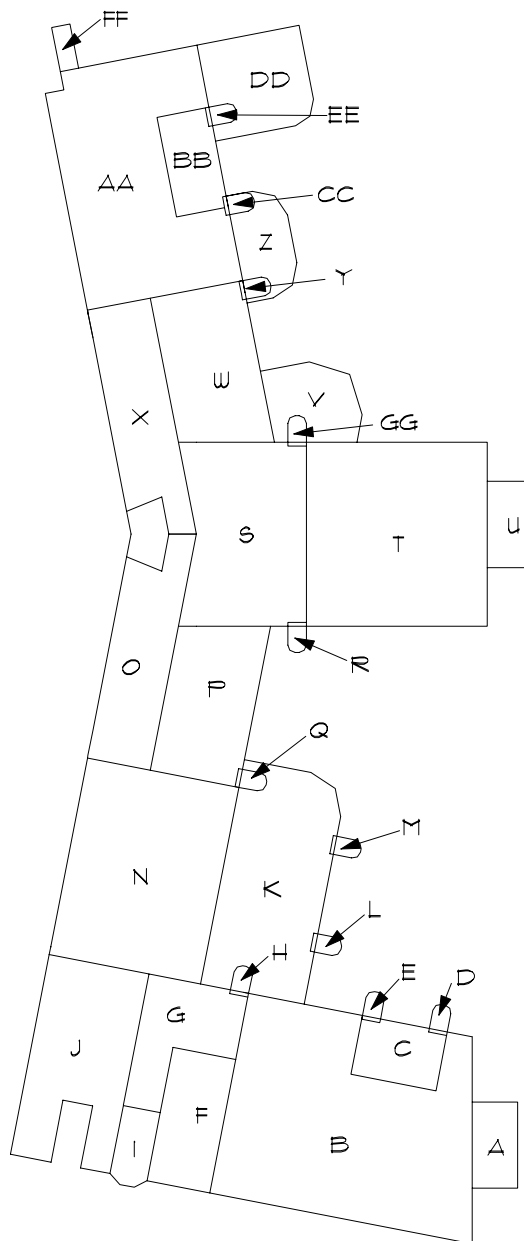
Roof ID

Building: SP429 - Borlaug Hall - (1991 Upper Buford Circle St. Paul)

Roof Access: Penthouses areas BB and S

Total Area: 23,153 sf

A	276 sf	C	358 sf	E	35 sf	G	762 sf	J	1,338 sf	N	2,132 sf
AA	2,033 sf	CC	35 sf	EE	35 sf	GG	35 sf	K	1,610 sf	O	920 sf
B	3,250 sf	D	35 sf	F	595 sf	H	35 sf	L	35 sf	P	900 sf
BB	368 sf	DD	693 sf	FF	80 sf	I	264 sf	M	35 sf	Q	35 sf



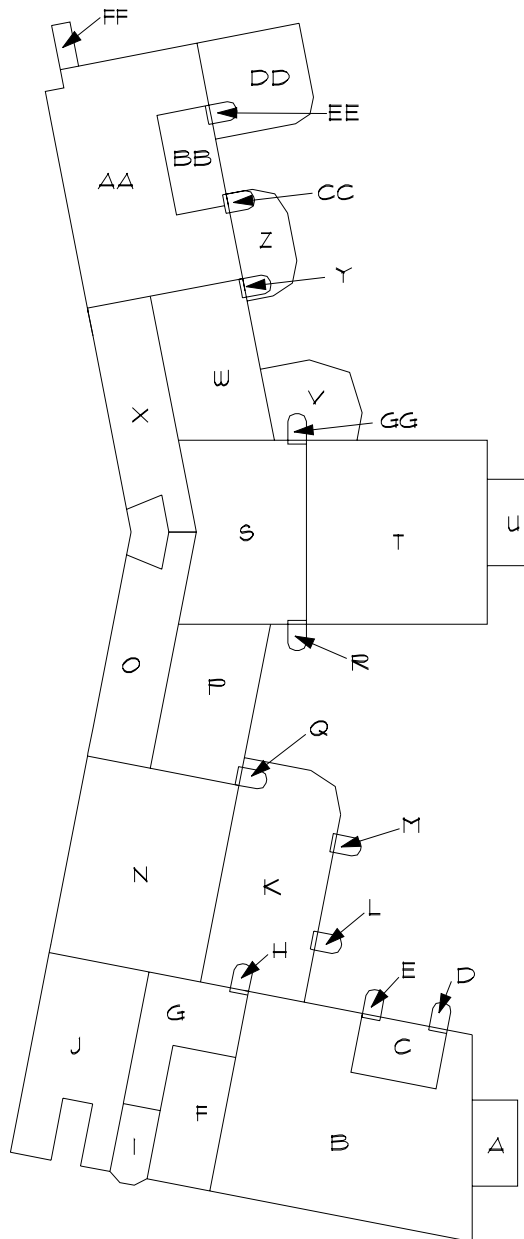
Roof ID

Building: SP429 - Borlaug Hall - (1991 Upper Buford Circle St. Paul)

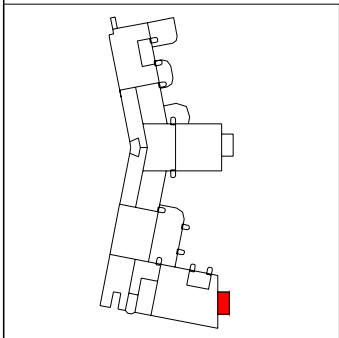
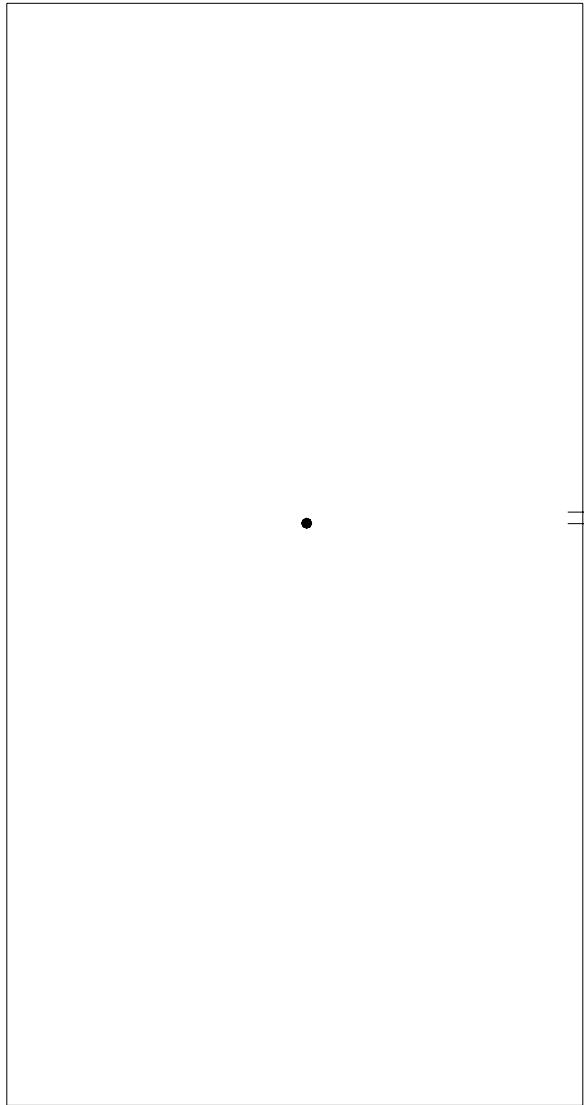
Roof Access: Penthouses areas BB and S

Total Area: 23,153 sf

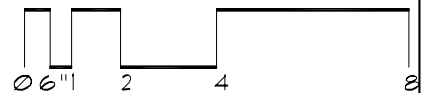
<u>R</u>	<u>35</u> sf	<u>V</u>	<u>700</u> sf	<u>Z</u>	<u>375</u> sf
<u>S</u>	<u>1,666</u> sf	<u>W</u>	<u>900</u> sf		
<u>T</u>	<u>2,352</u> sf	<u>X</u>	<u>920</u> sf		
<u>U</u>	<u>276</u> sf	<u>Y</u>	<u>35</u> sf		



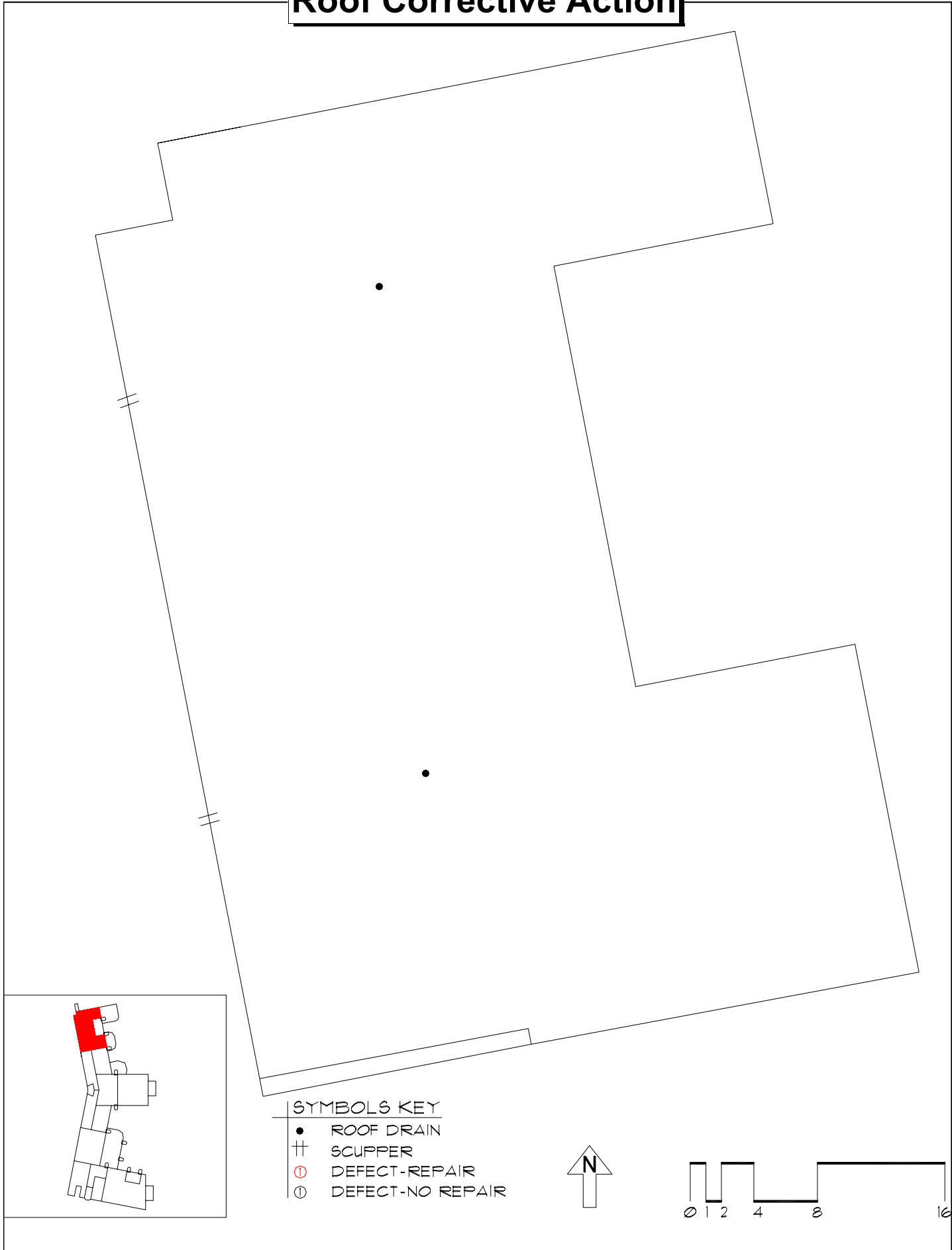
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
†† SCUPPER

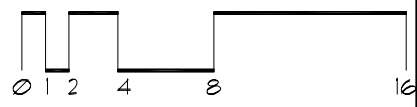
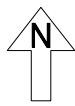


Roof Corrective Action

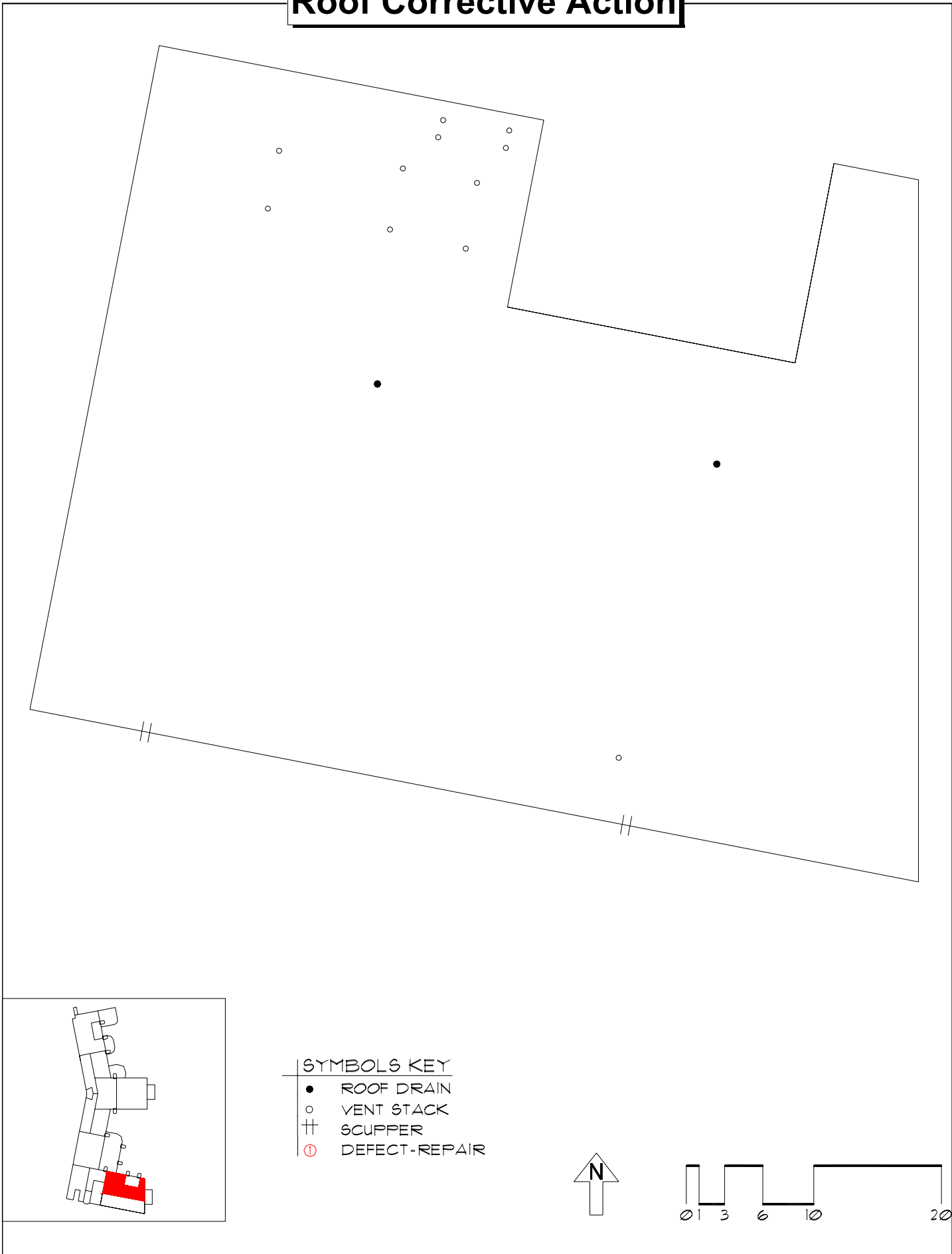


SYMBOLS KEY

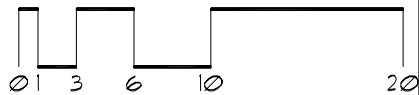
- ROOF DRAIN
- ⊥ SCUPPER
- Ⓜ DEFECT-REPAIR
- Ⓜ DEFECT-NO REPAIR



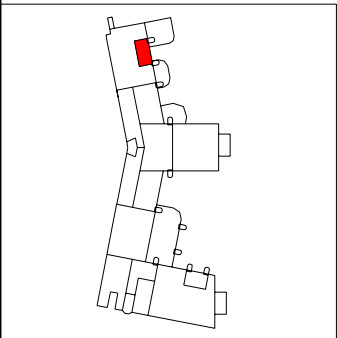
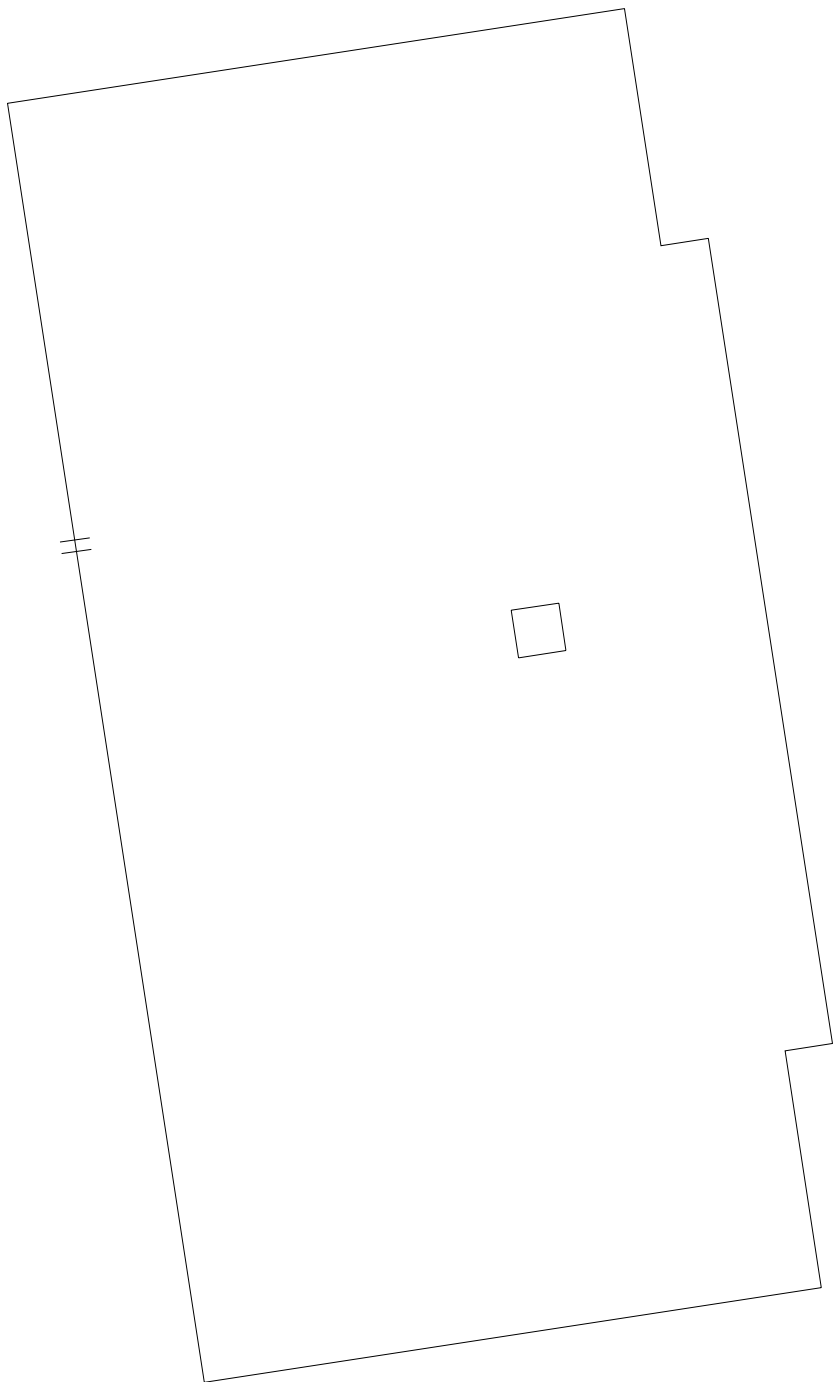
Roof Corrective Action



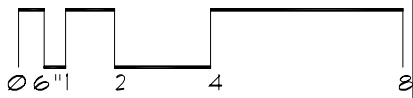
SYMBOLS KEY	
●	ROOF DRAIN
○	VENT STACK
≡	SCUPPER
ⓧ	DEFECT-REPAIR



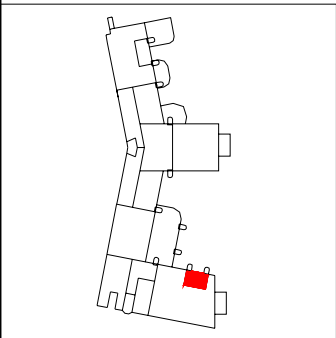
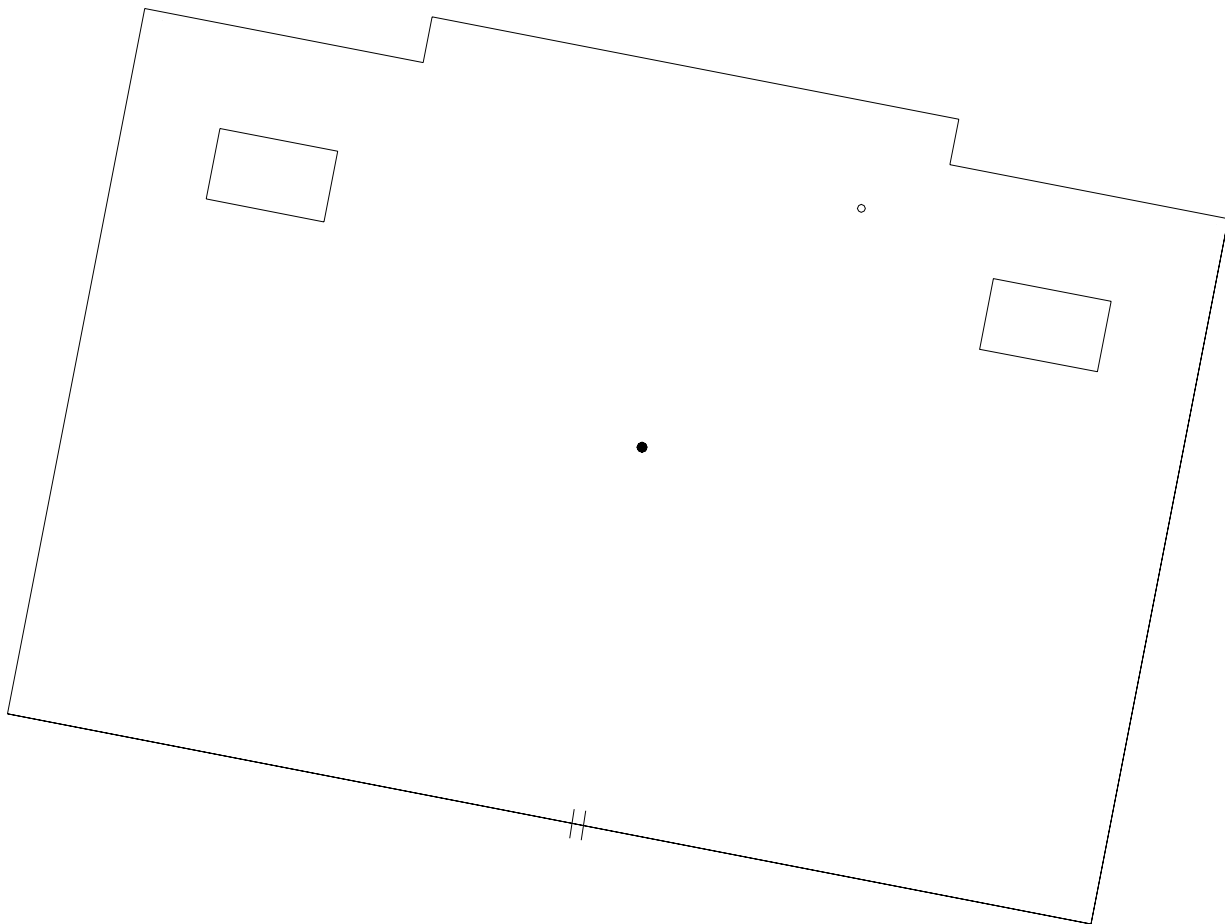
Roof Corrective Action



- SYMBOLS KEY
- ROOF CURB
 - ROOF DRAIN
 - † SCUPPER
 - ⊖ DEFECT-REPAIR

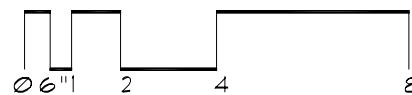


Roof Corrective Action

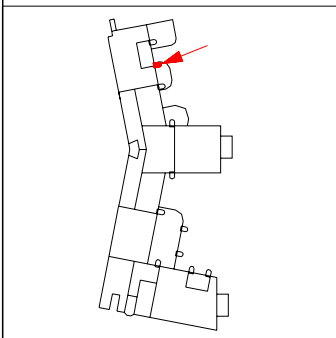
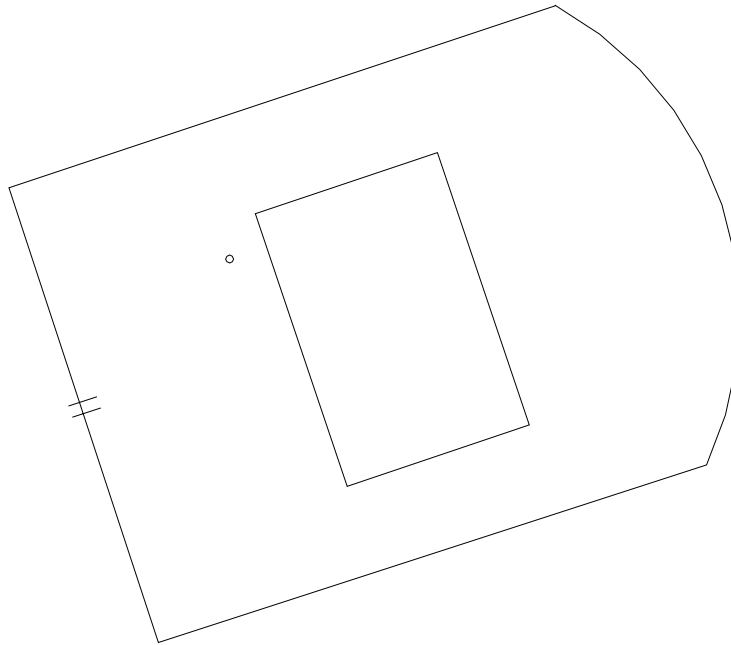


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER
- ① DEFECT-NO REPAIR

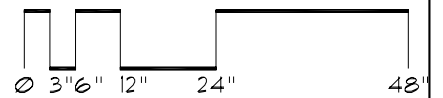


Roof Corrective Action

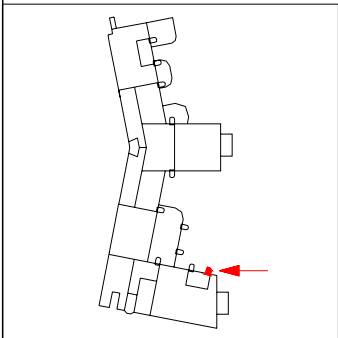
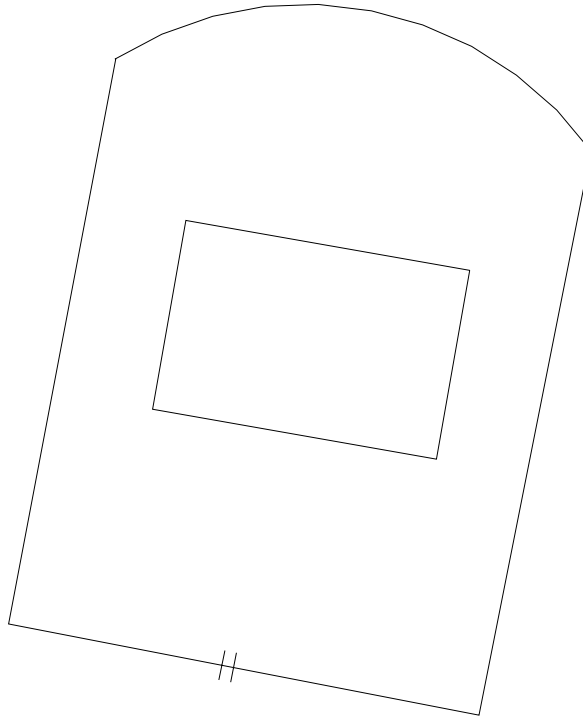


SYMBOLS KEY

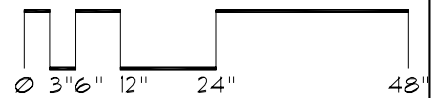
- VENT STACK
- ≡ SCUPPER
- ROOF CURB



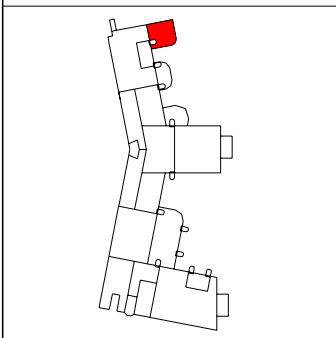
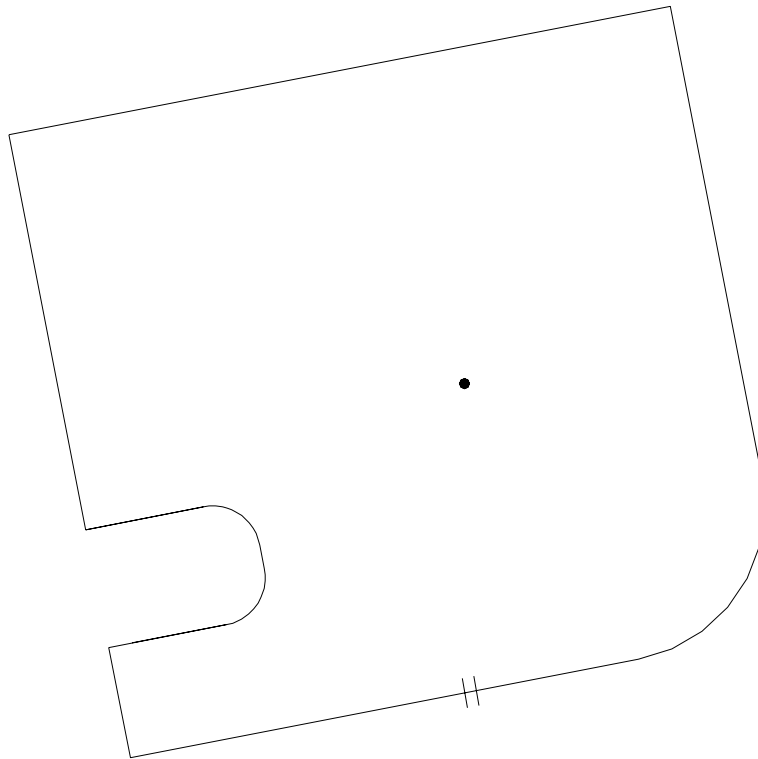
Roof Corrective Action



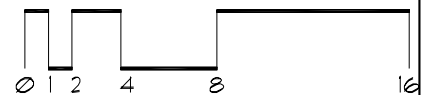
SYMBOLS KEY	
□	ROOF CURB
⊕	SCUPPER



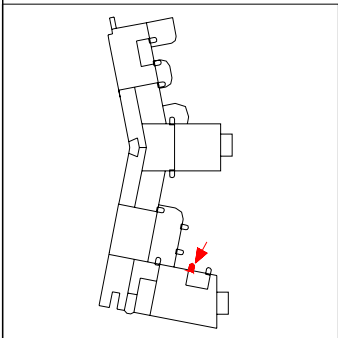
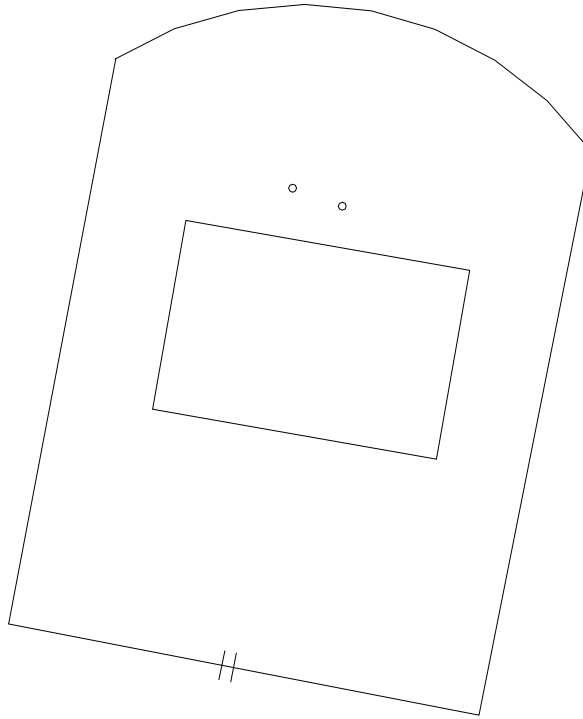
Roof Corrective Action



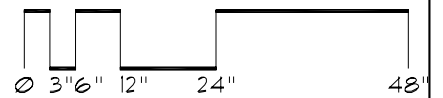
SYMBOLS KEY
● ROOF DRAIN
†† SCUPPER



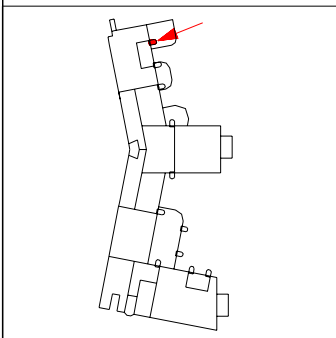
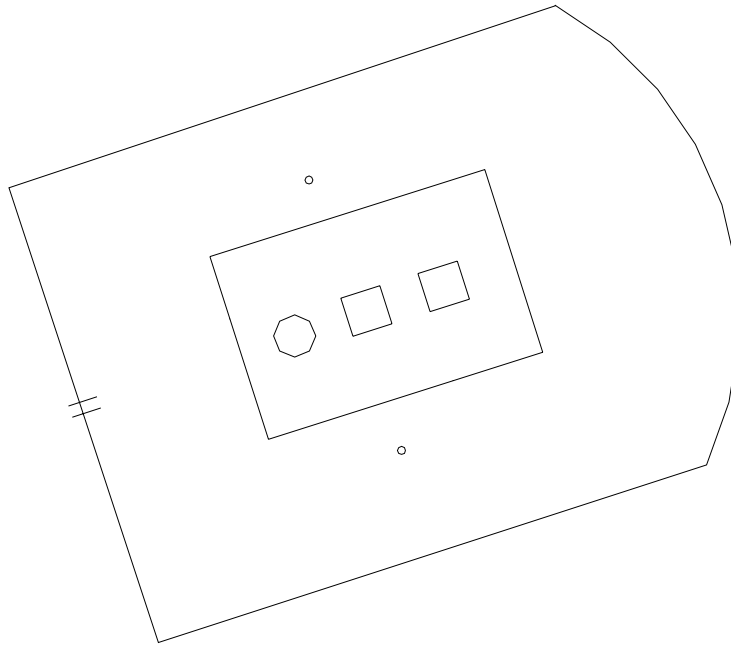
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - || SCUPPER
 - VENT STACK

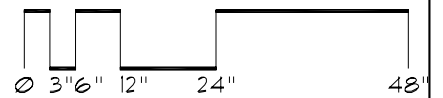


Roof Corrective Action

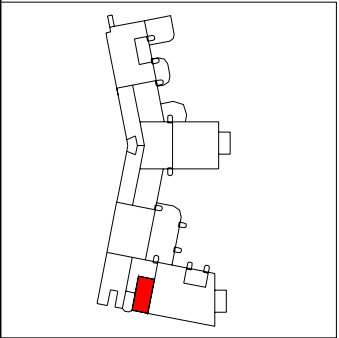
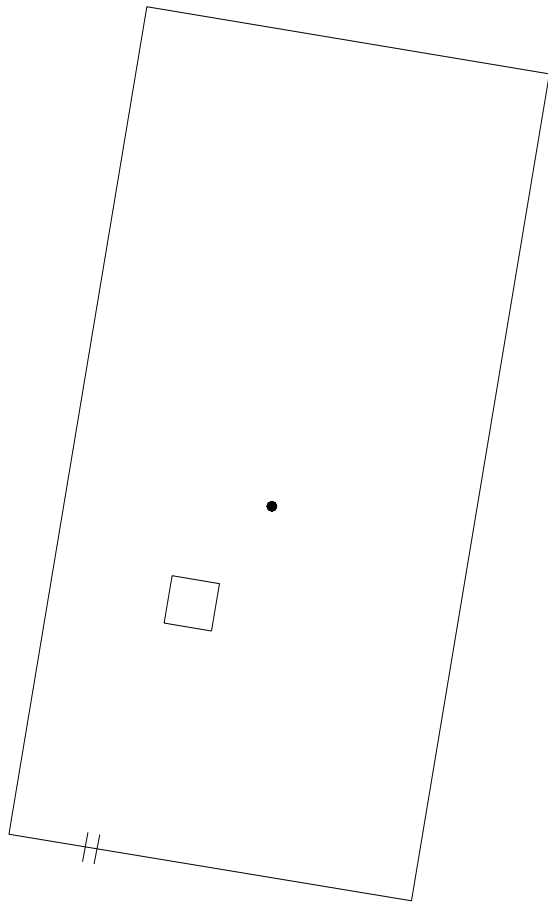


SYMBOLS KEY

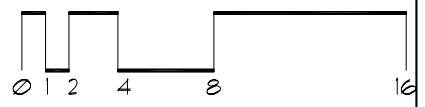
- VENT STACK
- ≡ SCUPPER
- ROOF CURB



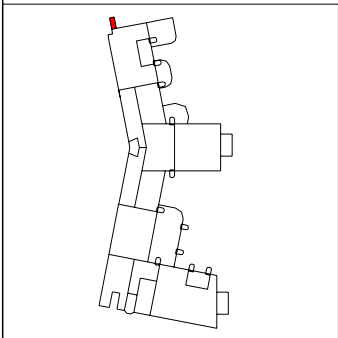
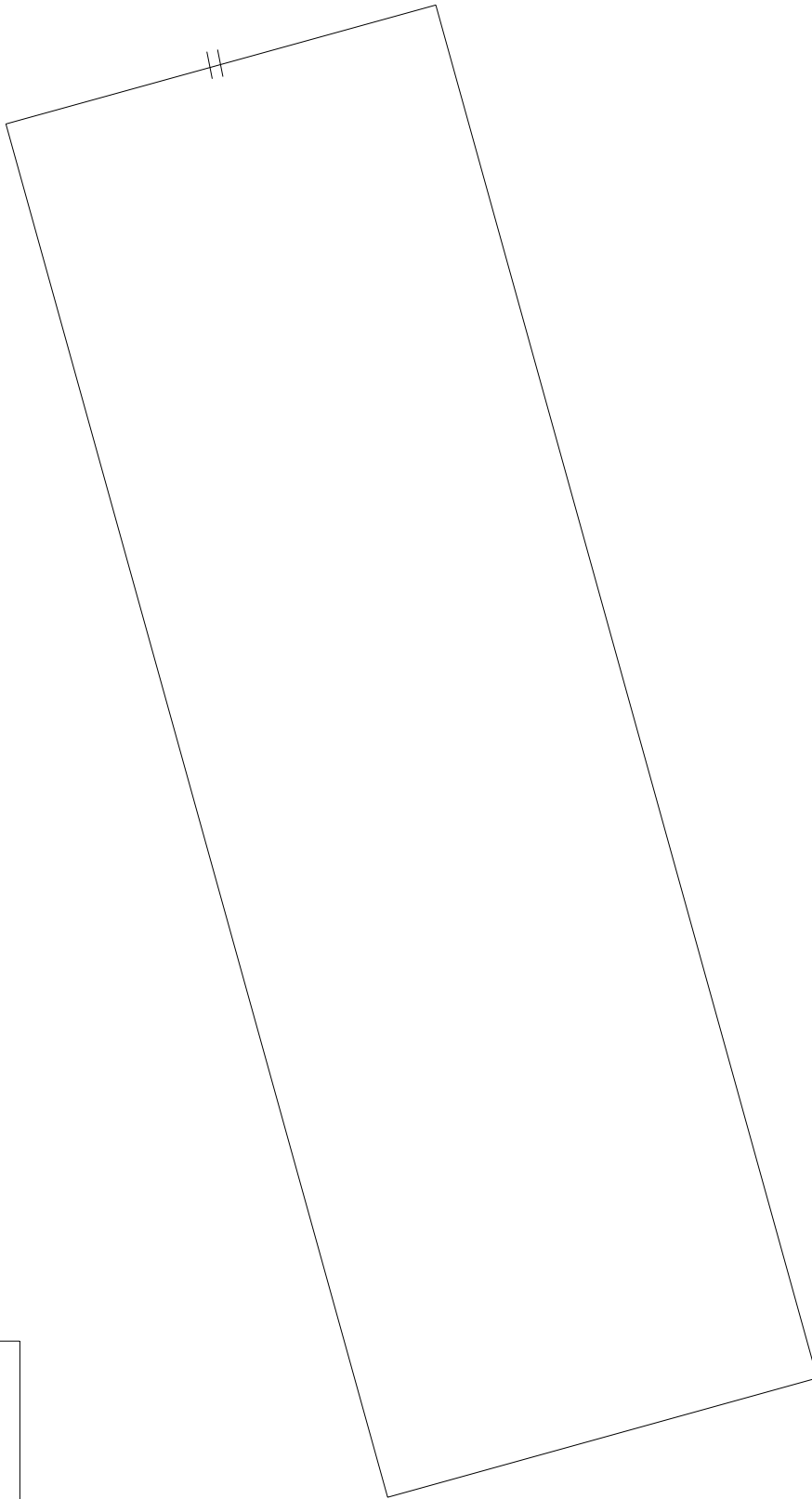
Roof Corrective Action



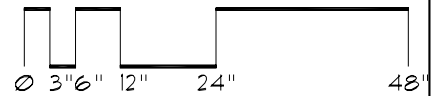
- SYMBOLS KEY**
- ROOF DRAIN
 - ⊥ SCUPPER
 - ⊖ DEFECT-REPAIR
 - ⊕ DEFECT-NO REPAIR



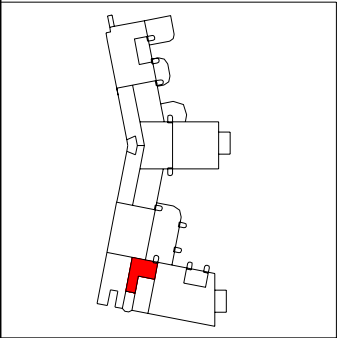
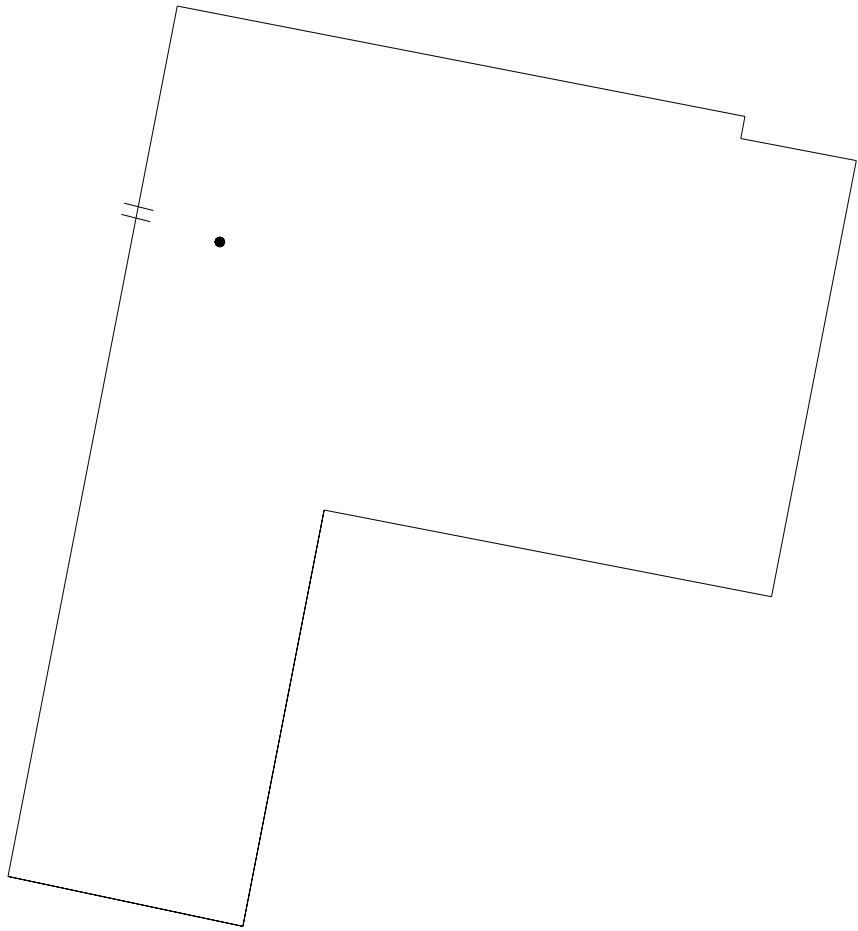
Roof Corrective Action



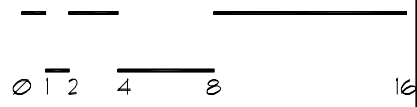
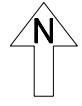
SYMBOLS KEY
|| SCUPPER



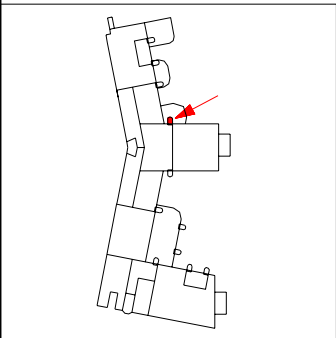
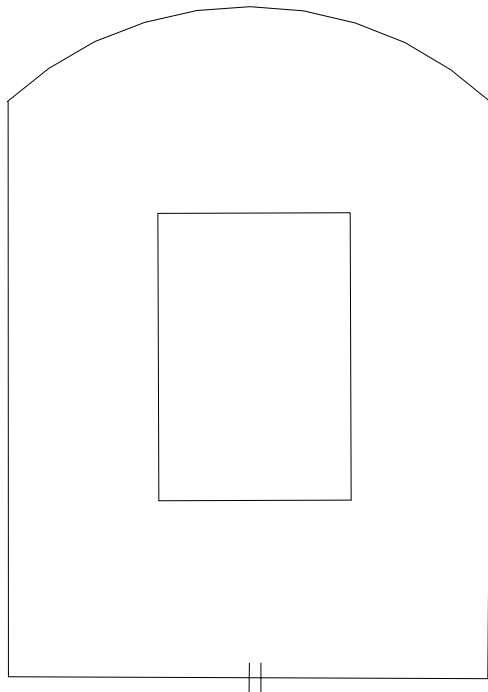
Roof Corrective Action



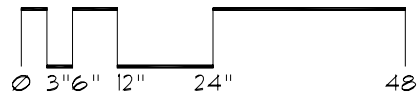
- SYMBOLS KEY**
- ROOF DRAIN
 - ⊥ SCUPPER
 - Ⓢ DEFECT-REPAIR



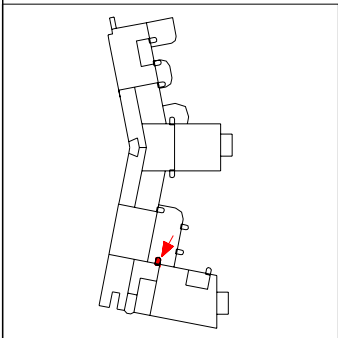
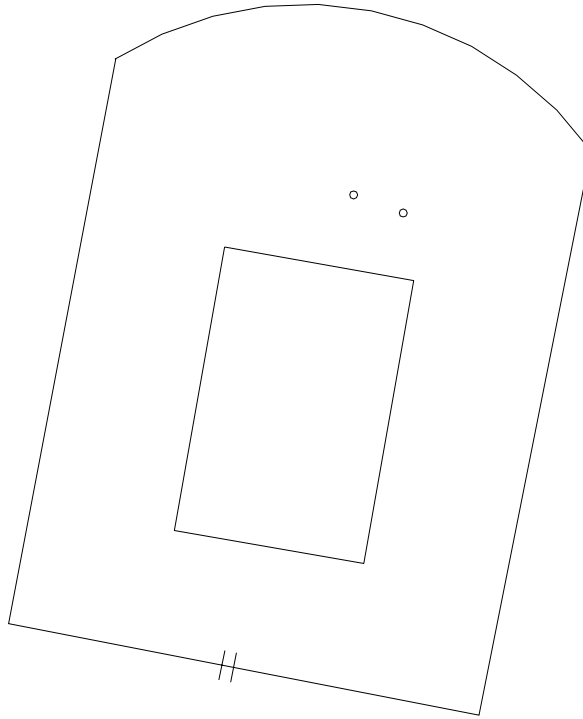
Roof Corrective Action



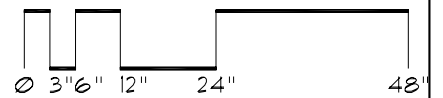
SYMBOLS KEY	
□	ROOF CURB
	SCUPPER



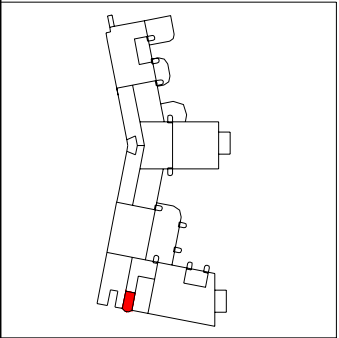
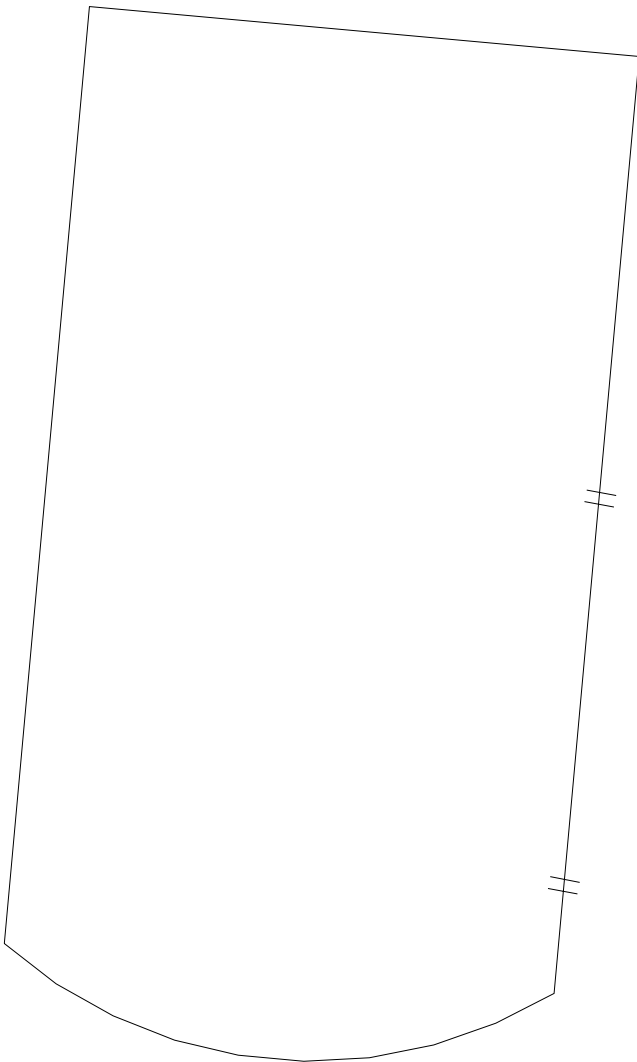
Roof Corrective Action



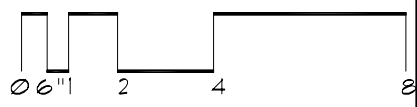
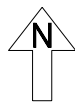
- SYMBOLS KEY**
- ROOF CURB
 - || SCUPPER
 - VENT STACK



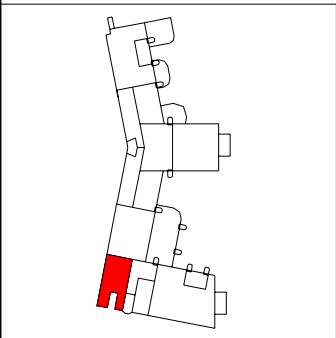
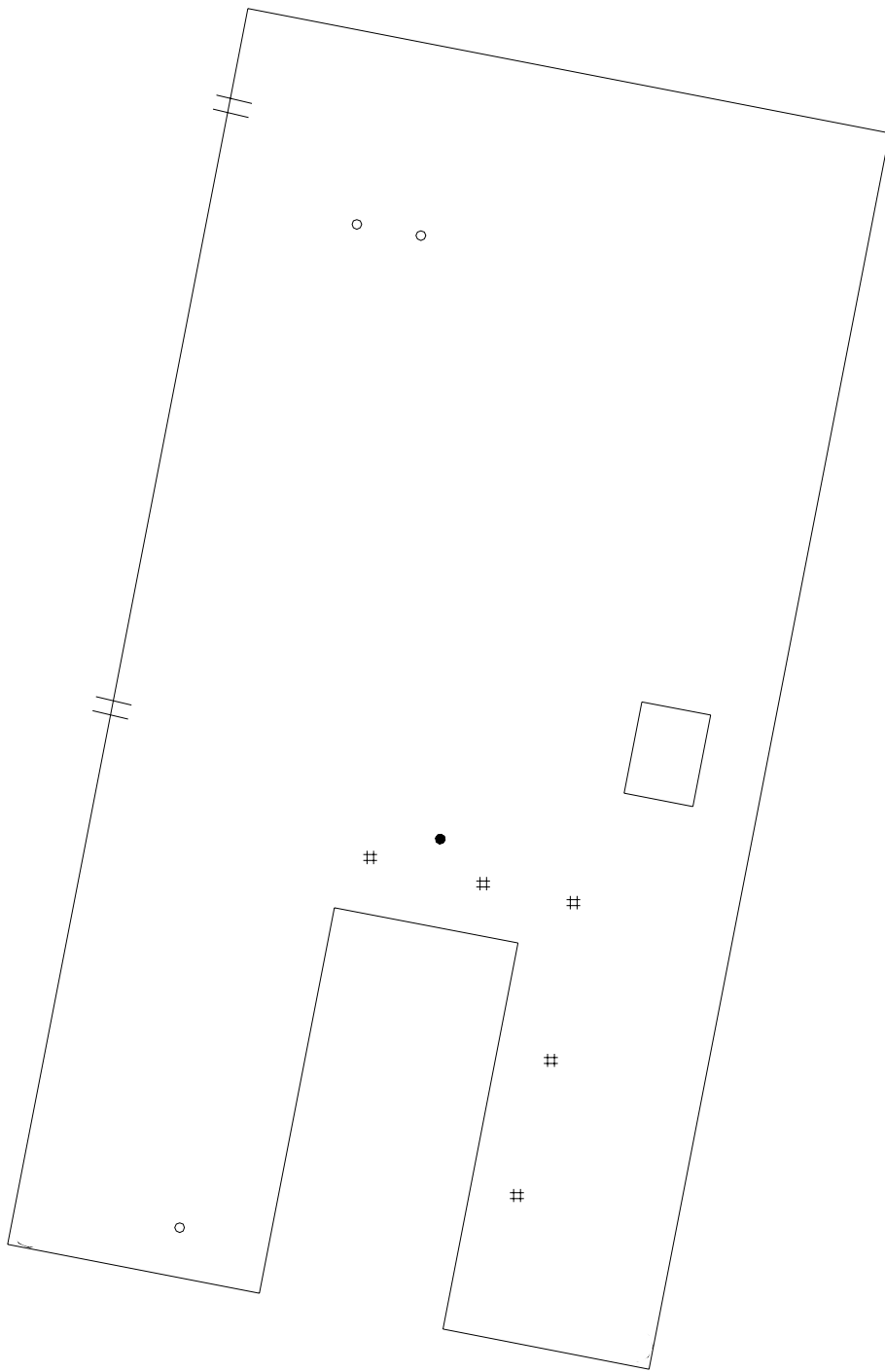
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER

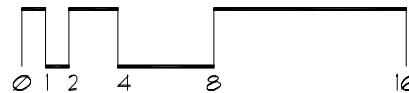


Roof Corrective Action

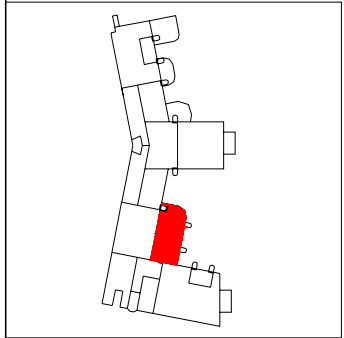
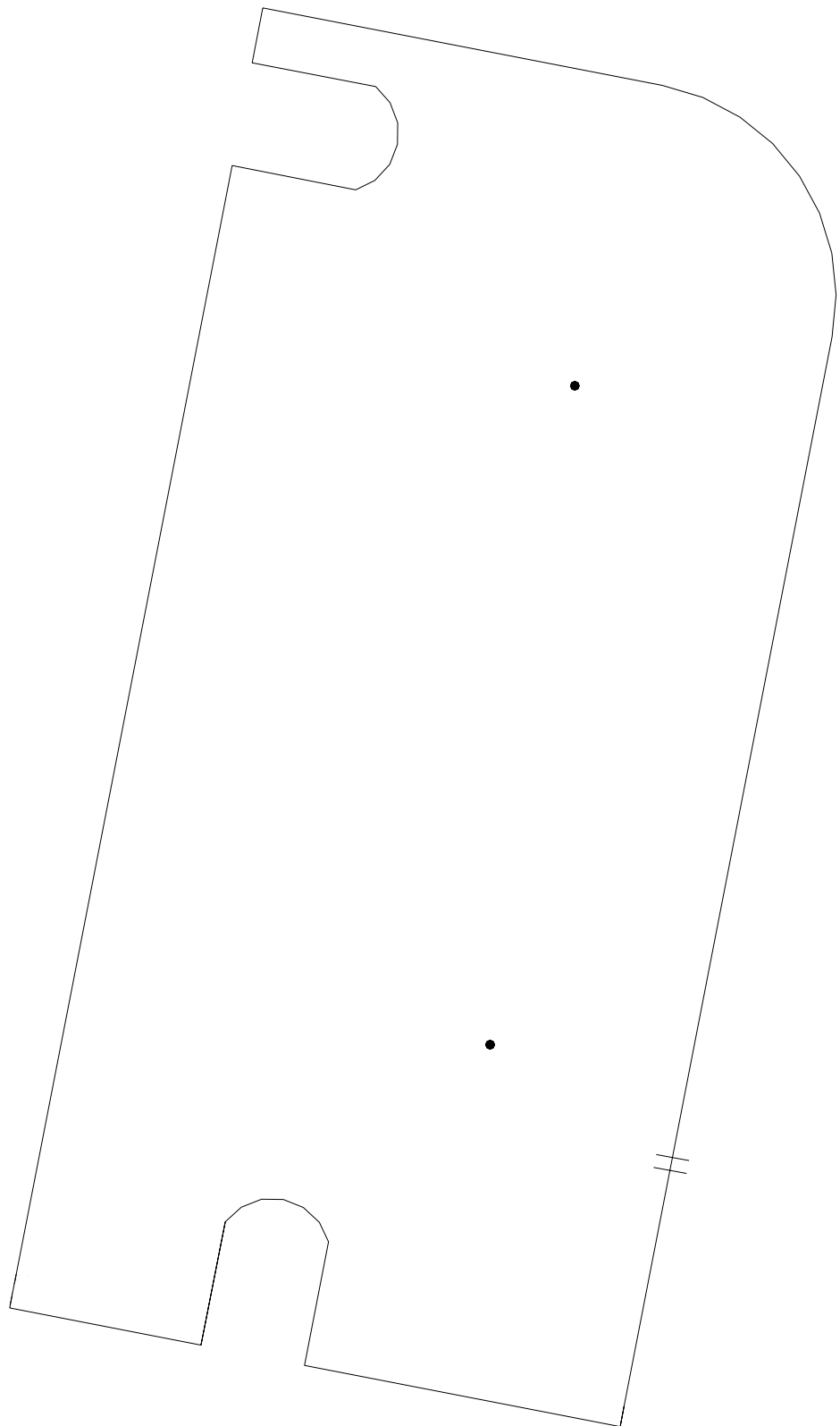


SYMBOLS KEY

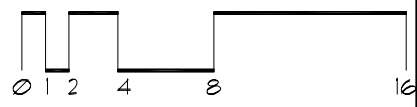
- ROOF CURB
- VENT STACK
- ≡ SCUPPER
- # PITCH PAN
- ⊖ DEFECT-REPAIR
- ⊙ DEFECT-NO REPAIR



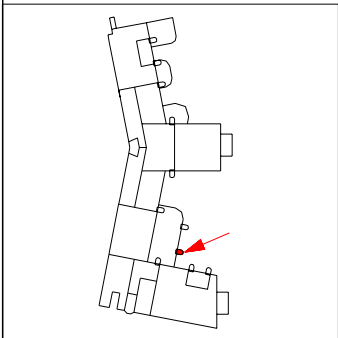
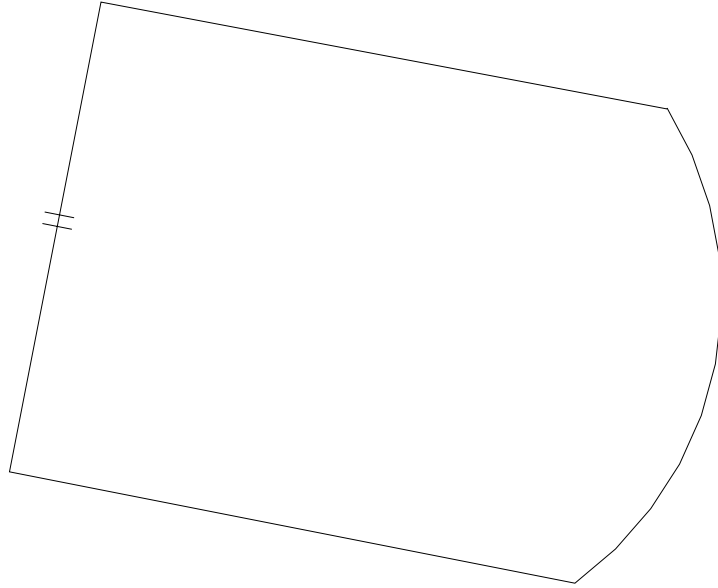
Roof Corrective Action



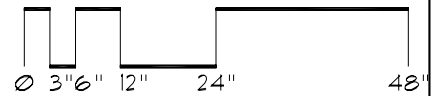
- SYMBOLS KEY
- ROOF DRAIN
 - ⊥ SCUPPER
 - ⓪ DEFECT-NO REPAIR



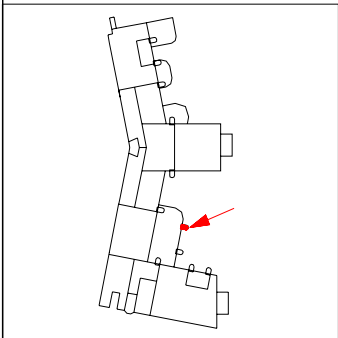
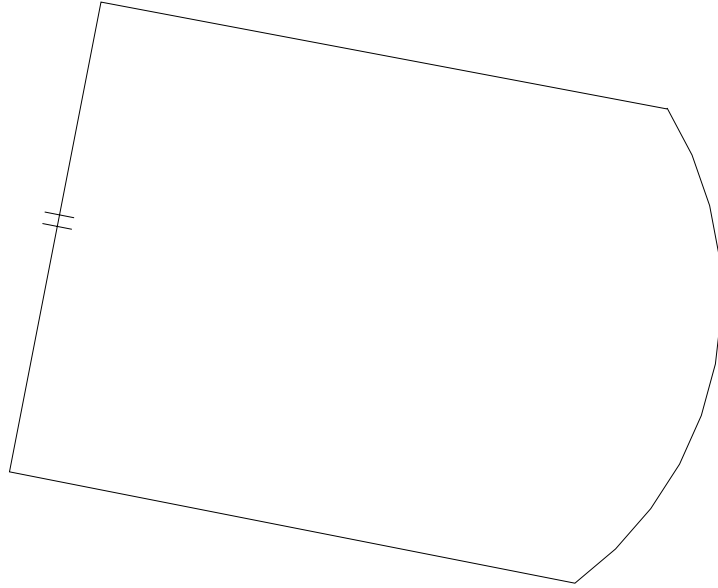
Roof Corrective Action



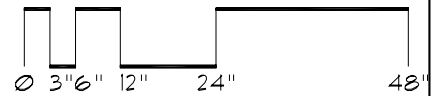
SYMBOLS KEY
|| SCUPPER



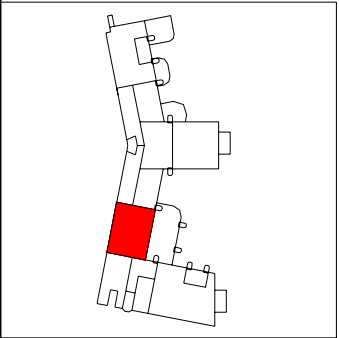
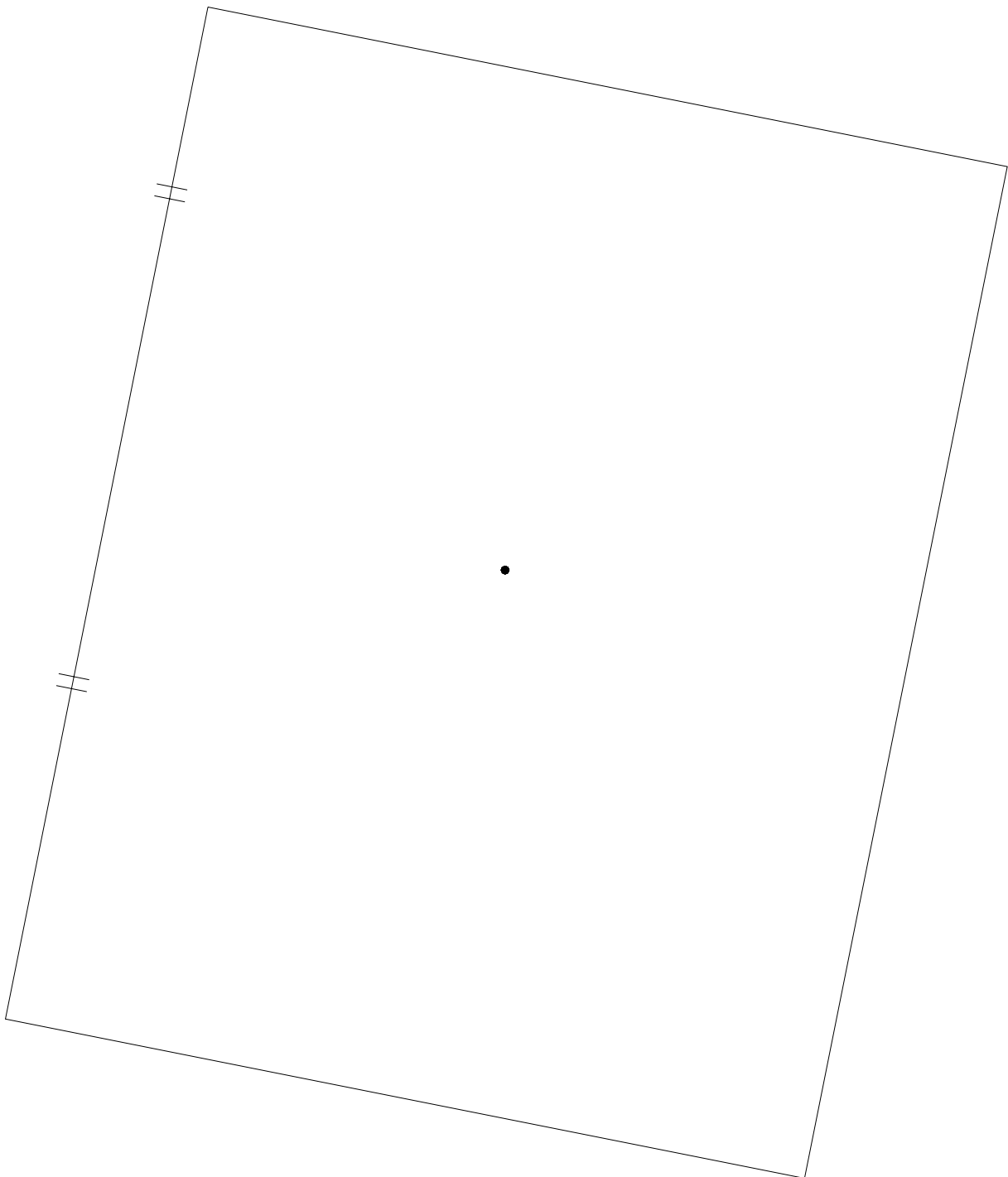
Roof Corrective Action



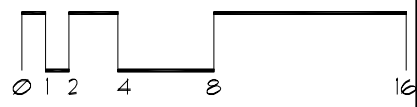
SYMBOLS KEY
|| SCUPPER



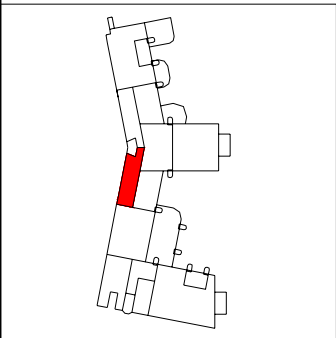
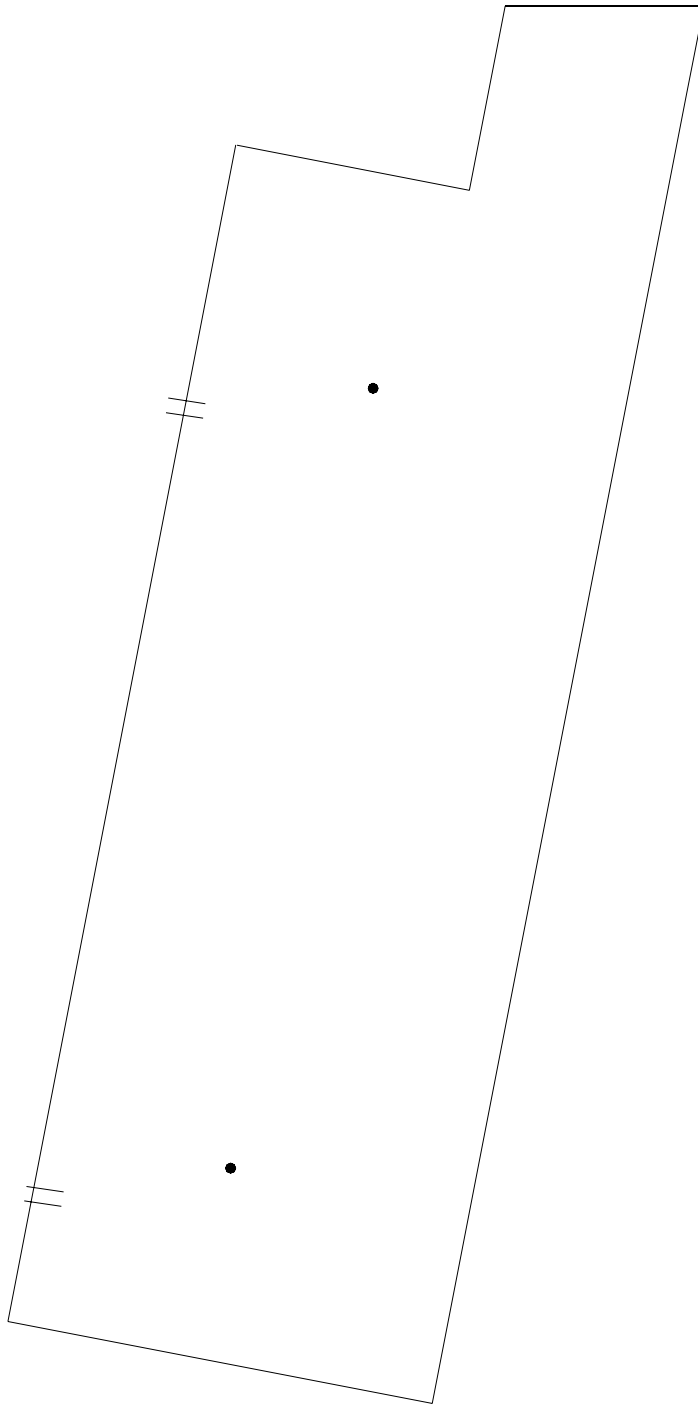
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - ⊥ SCUPPER
 - ⊙ DEFECT-REPAIR
 - ⊖ DEFECT-NO REPAIR

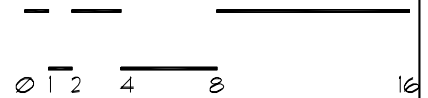


Roof Corrective Action

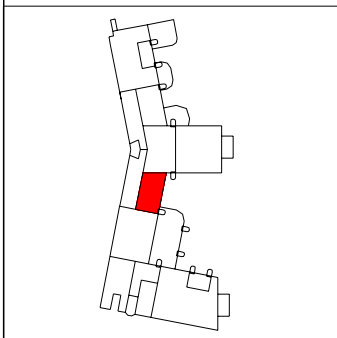
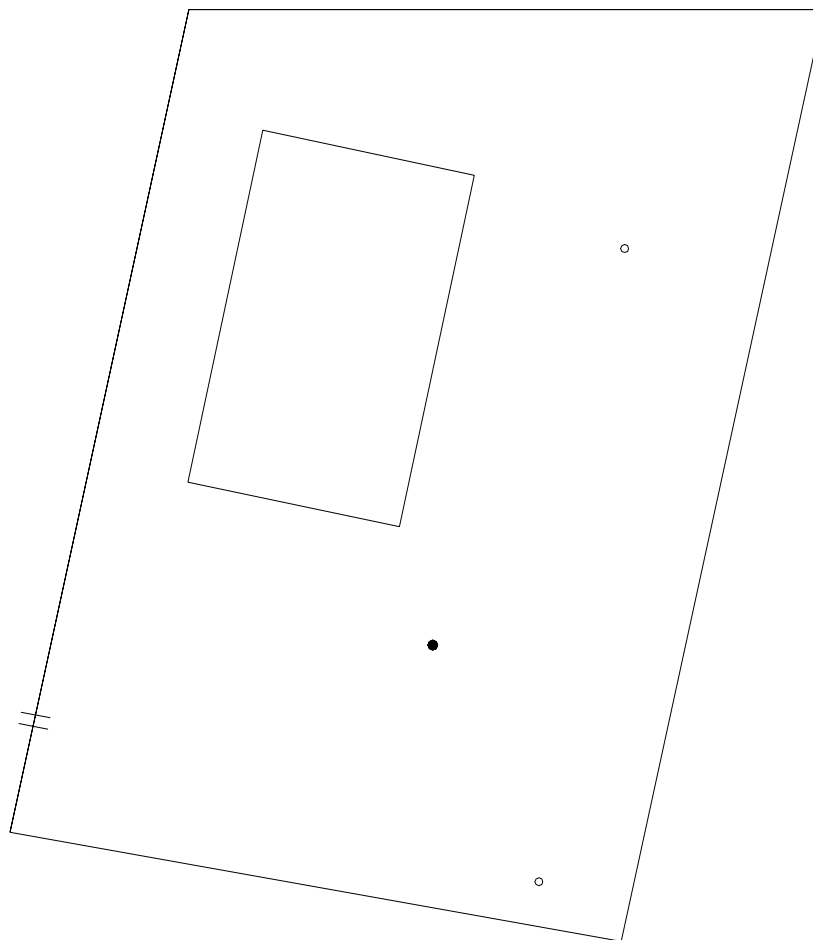


SYMBOLS KEY

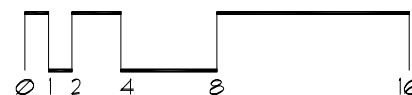
- ROOF DRAIN
- ≡ SCUPPER
- Ⓢ DEFECT-REPAIR
- ⓪ DEFECT-NO REPAIR



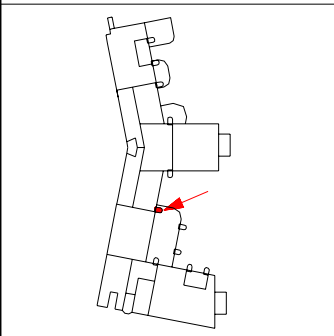
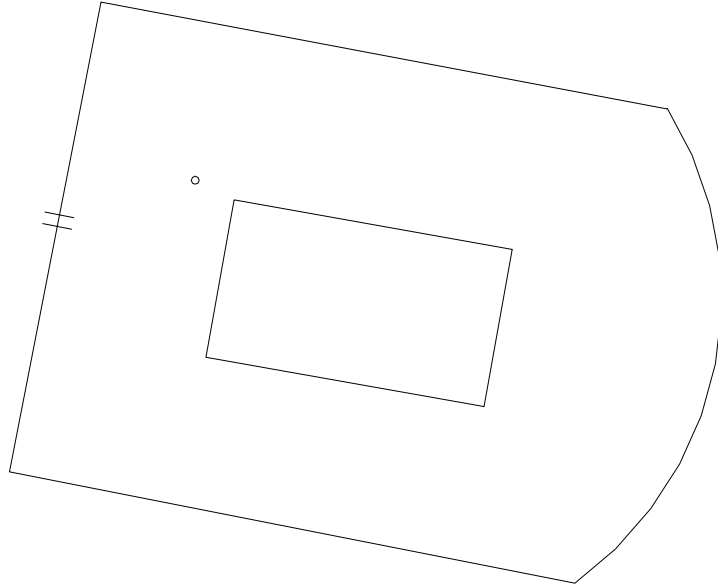
Roof Corrective Action



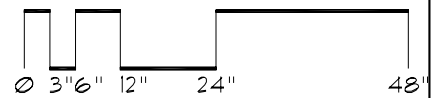
- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - ≡ SCUPPER



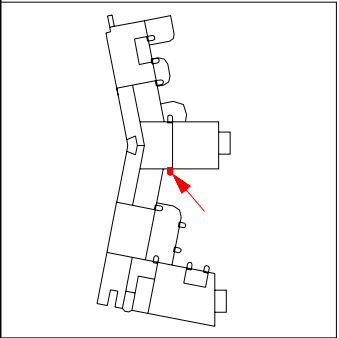
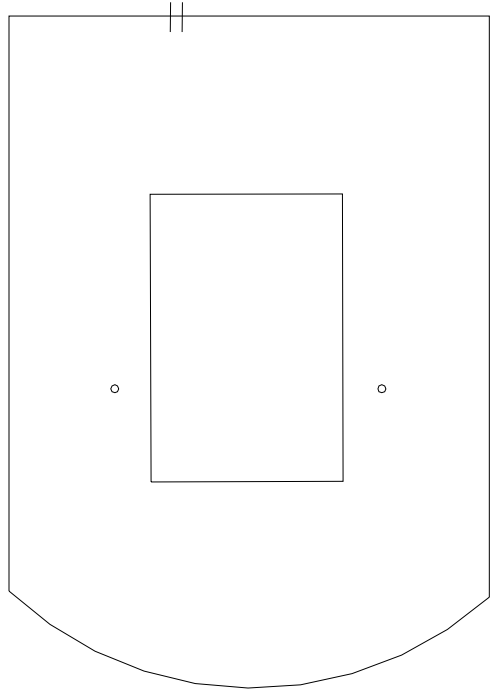
Roof Corrective Action



SYMBOLS KEY	
⊥	SCUPPER
□	ROOF CURB
○	VENT STACK

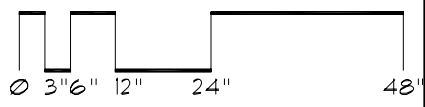


Roof Corrective Action

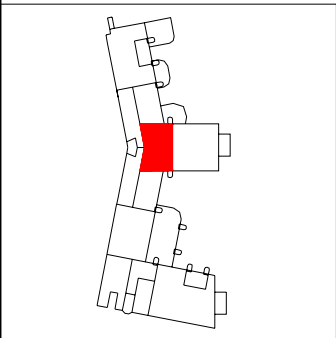
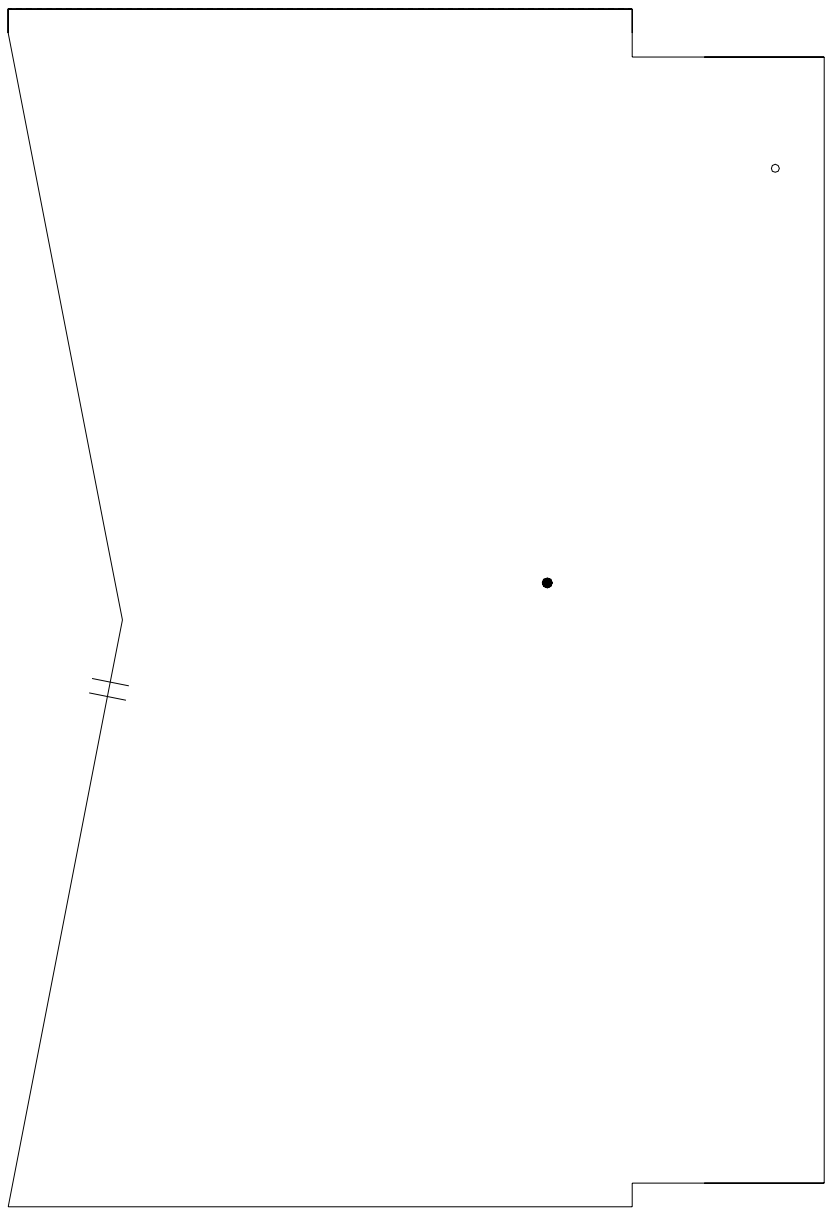


SYMBOLS KEY

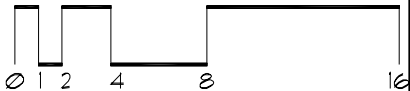
□	ROOF CURB
○	VENT STACK
	SCUPPER



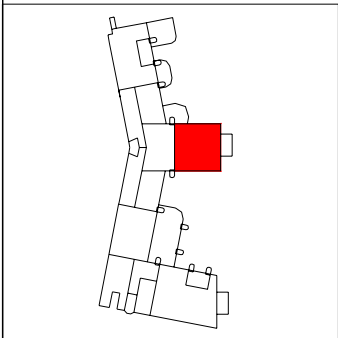
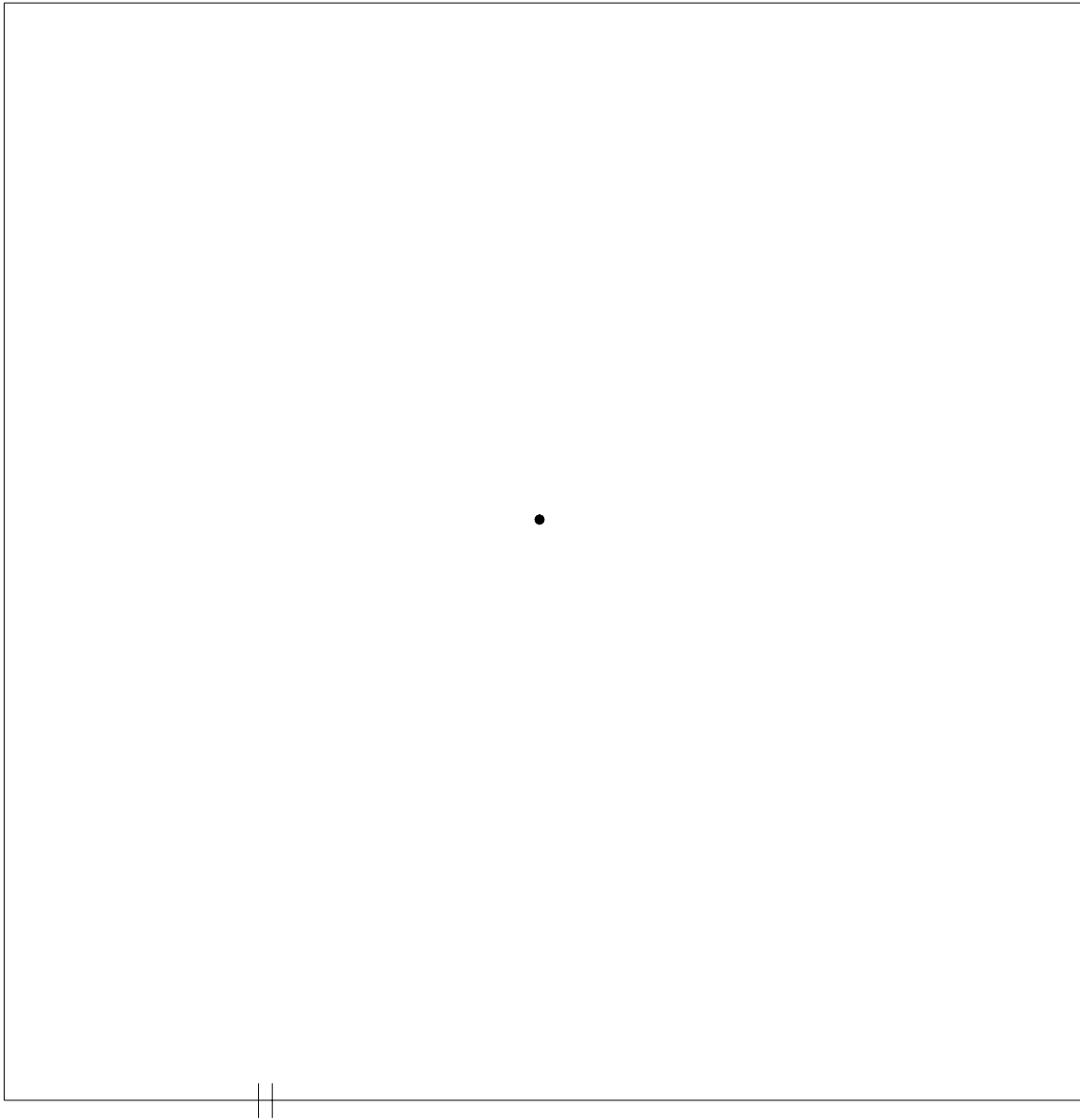
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - || SCUPPER

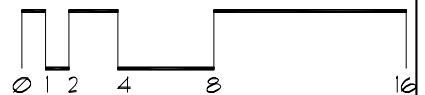


Roof Corrective Action

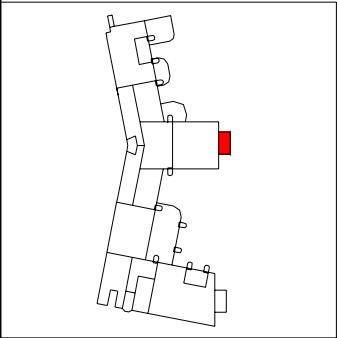
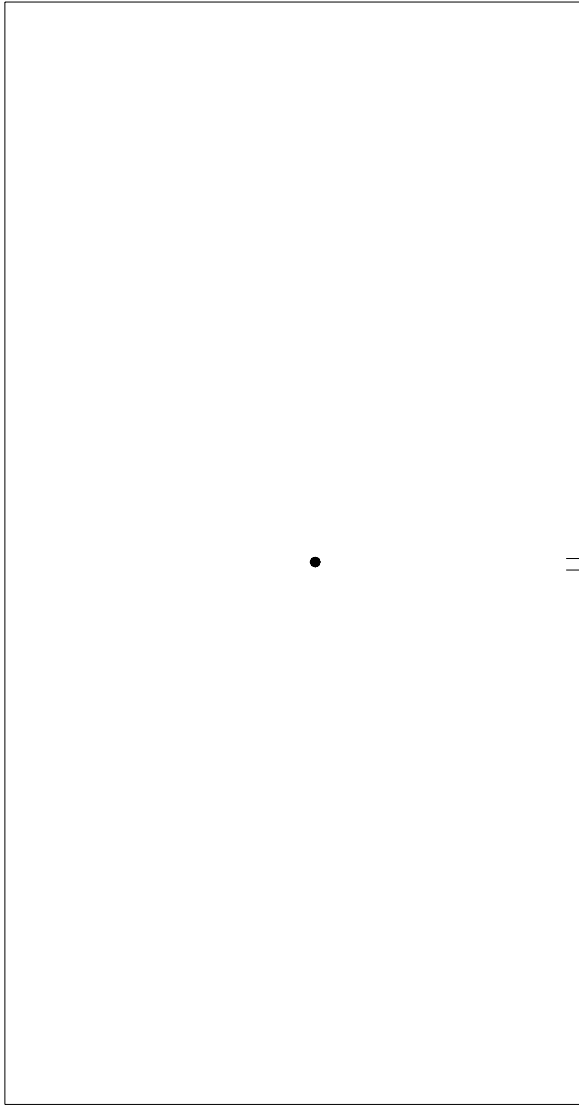


SYMBOLS KEY

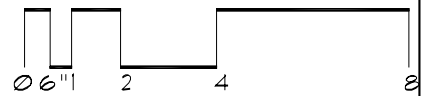
- ROOF DRAIN
- || SCUPPER



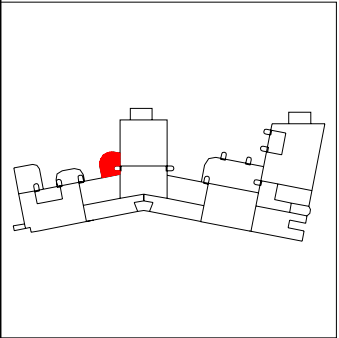
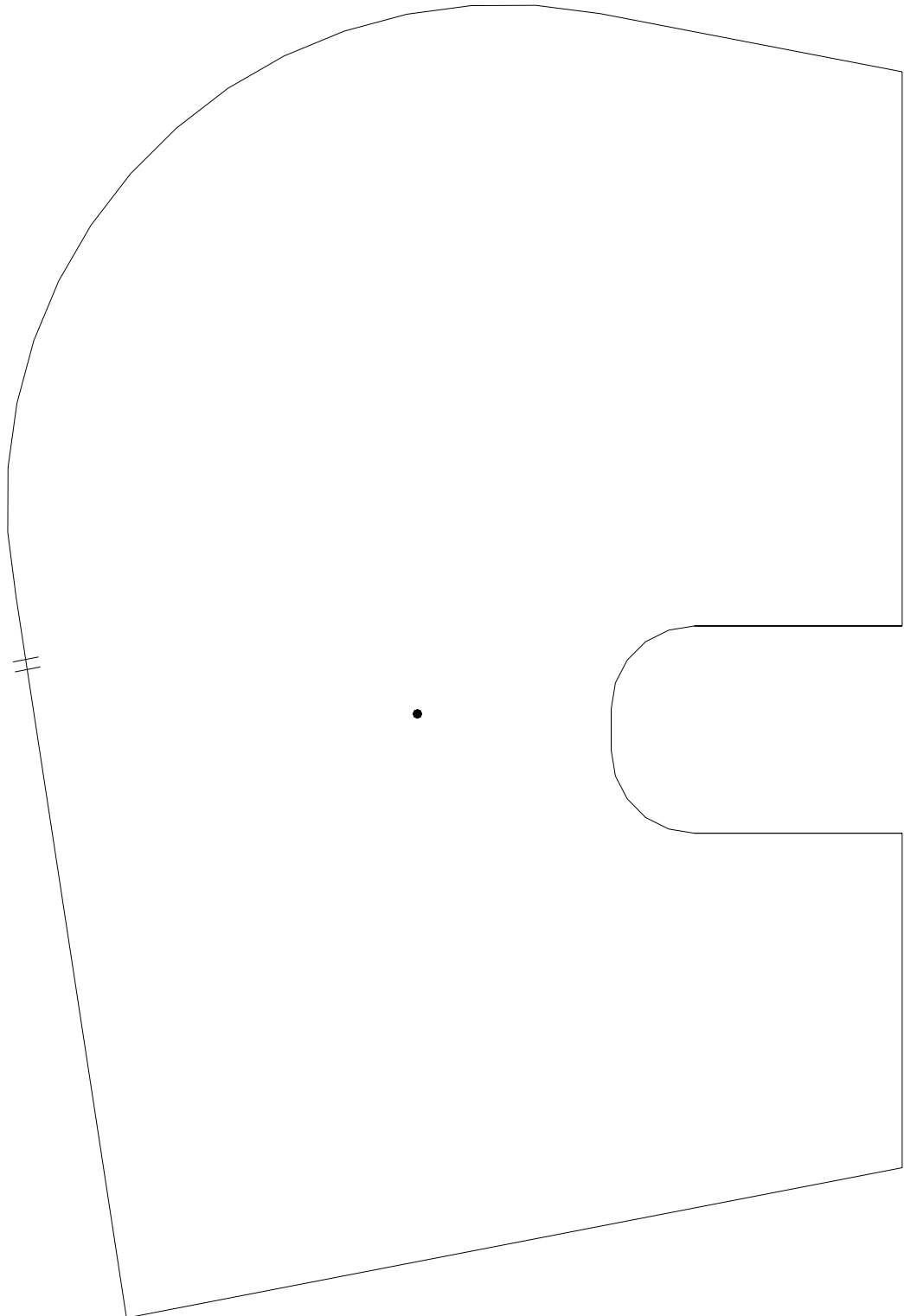
Roof Corrective Action



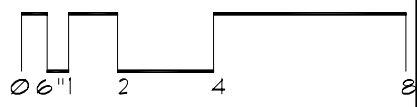
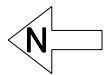
SYMBOLS KEY
• ROOF DRAIN
†† SCUPPER



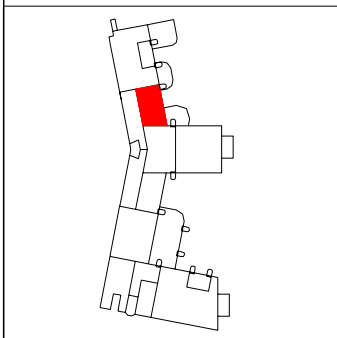
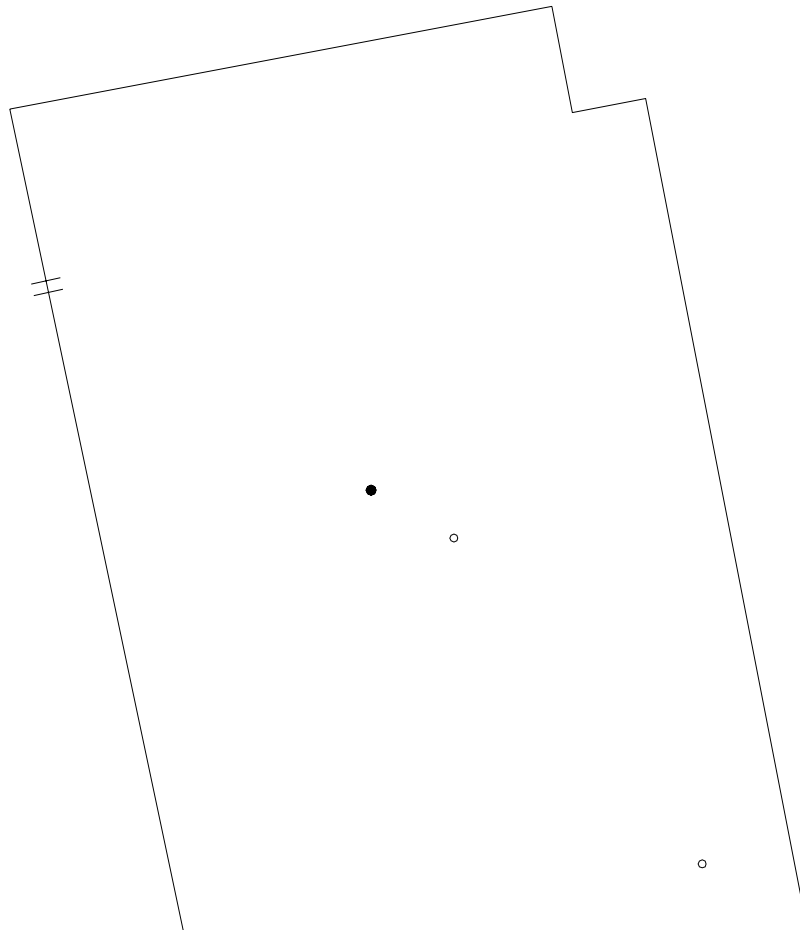
Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN
|| SCUPPER

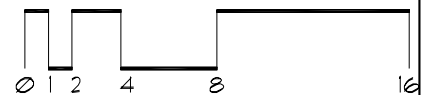


Roof Corrective Action

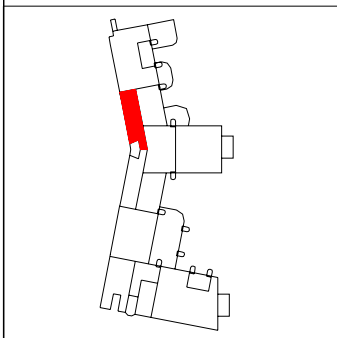
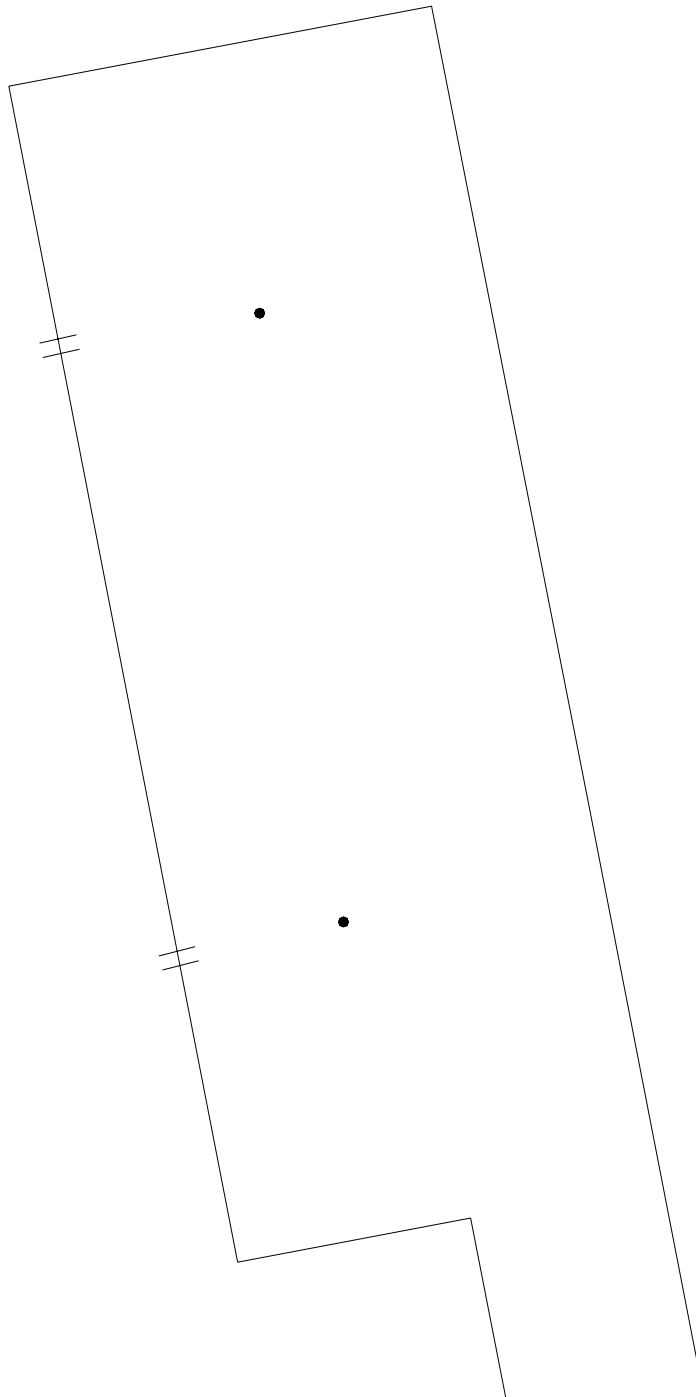


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- ≡ SCUPPER

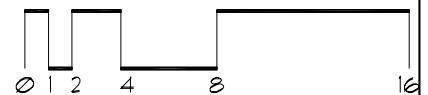


Roof Corrective Action

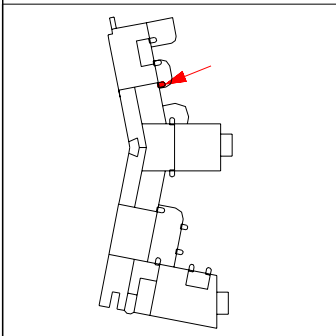
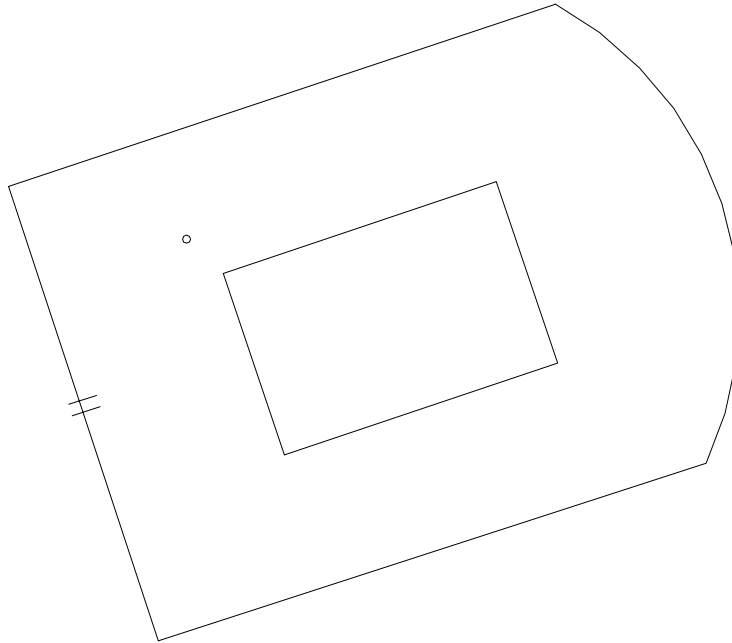


SYMBOLS KEY

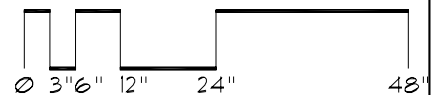
- ROOF DRAIN
- ≡ SCUPPER
- Ⓢ DEFECT-REPAIR



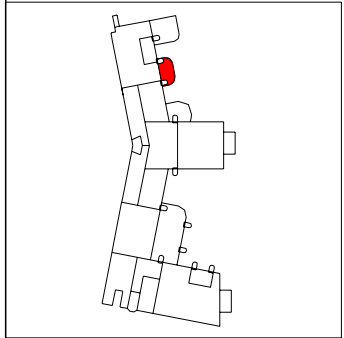
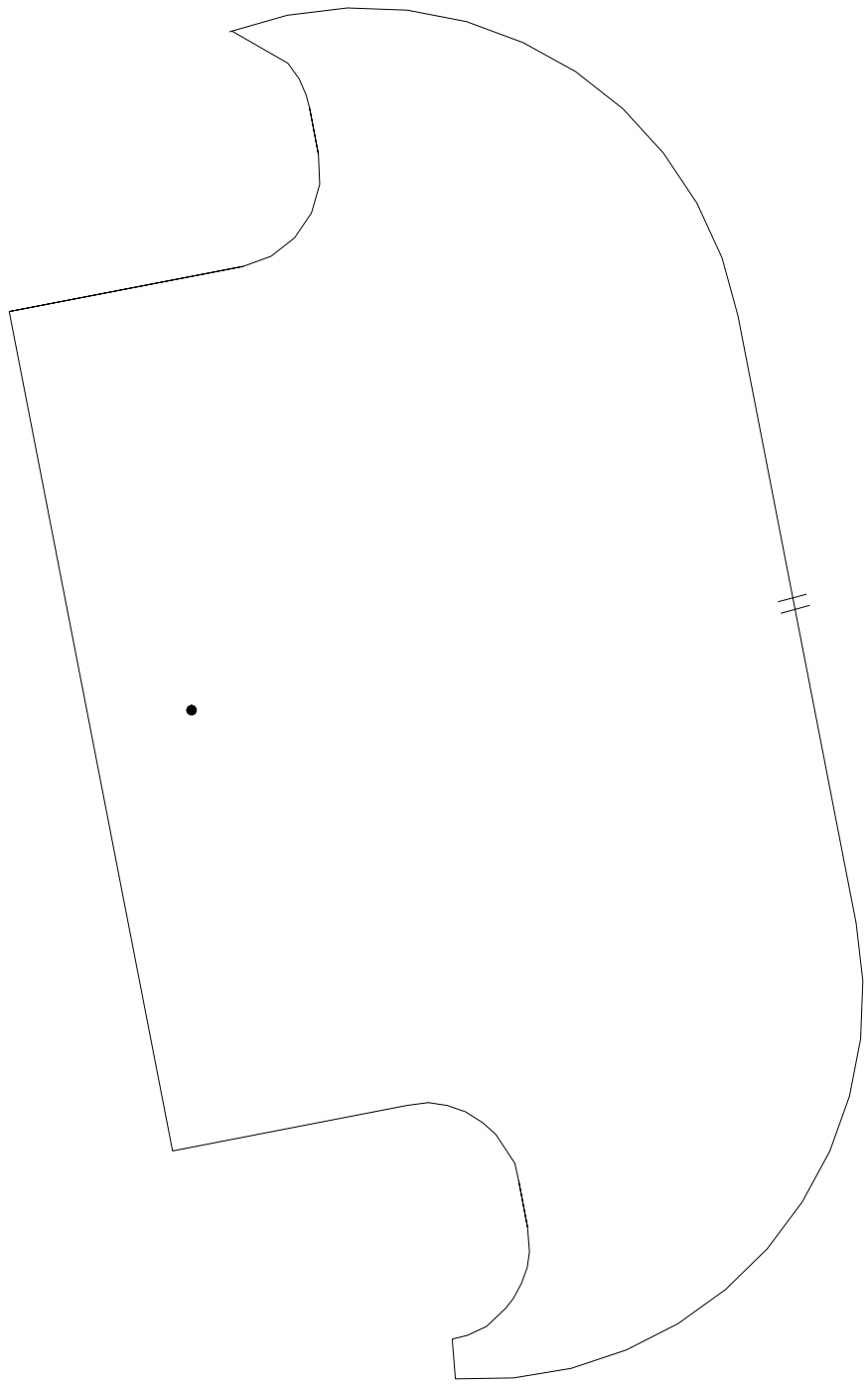
Roof Corrective Action



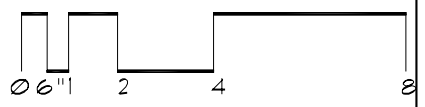
SYMBOLS KEY	
○	VENT STACK
≡	SCUPPER
□	ROOF CURB



Roof Corrective Action



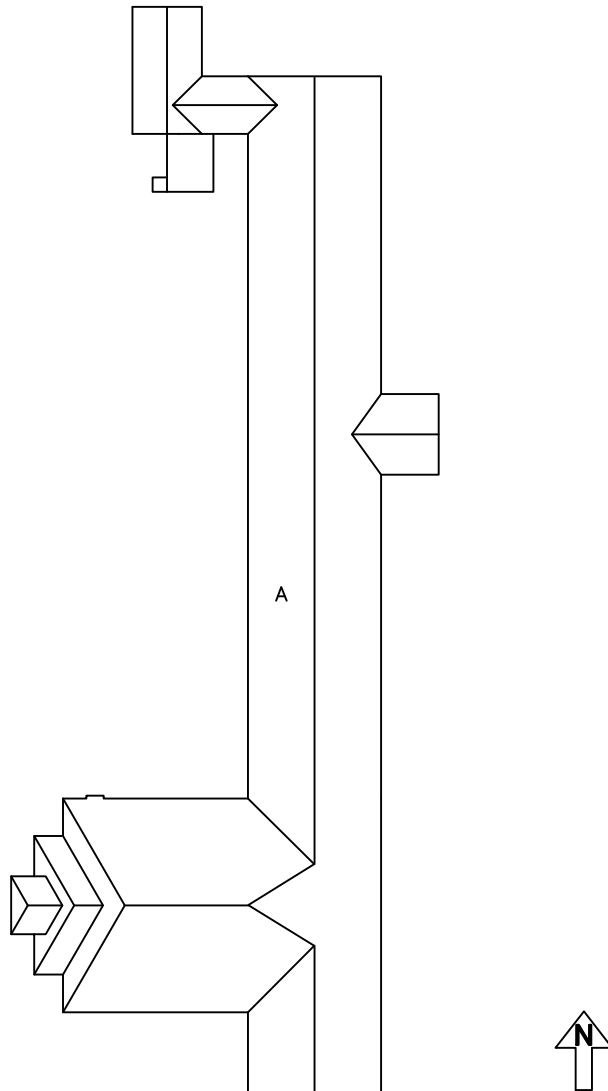
SYMBOLS KEY	
•	ROOF DRAIN
	SCUPPER



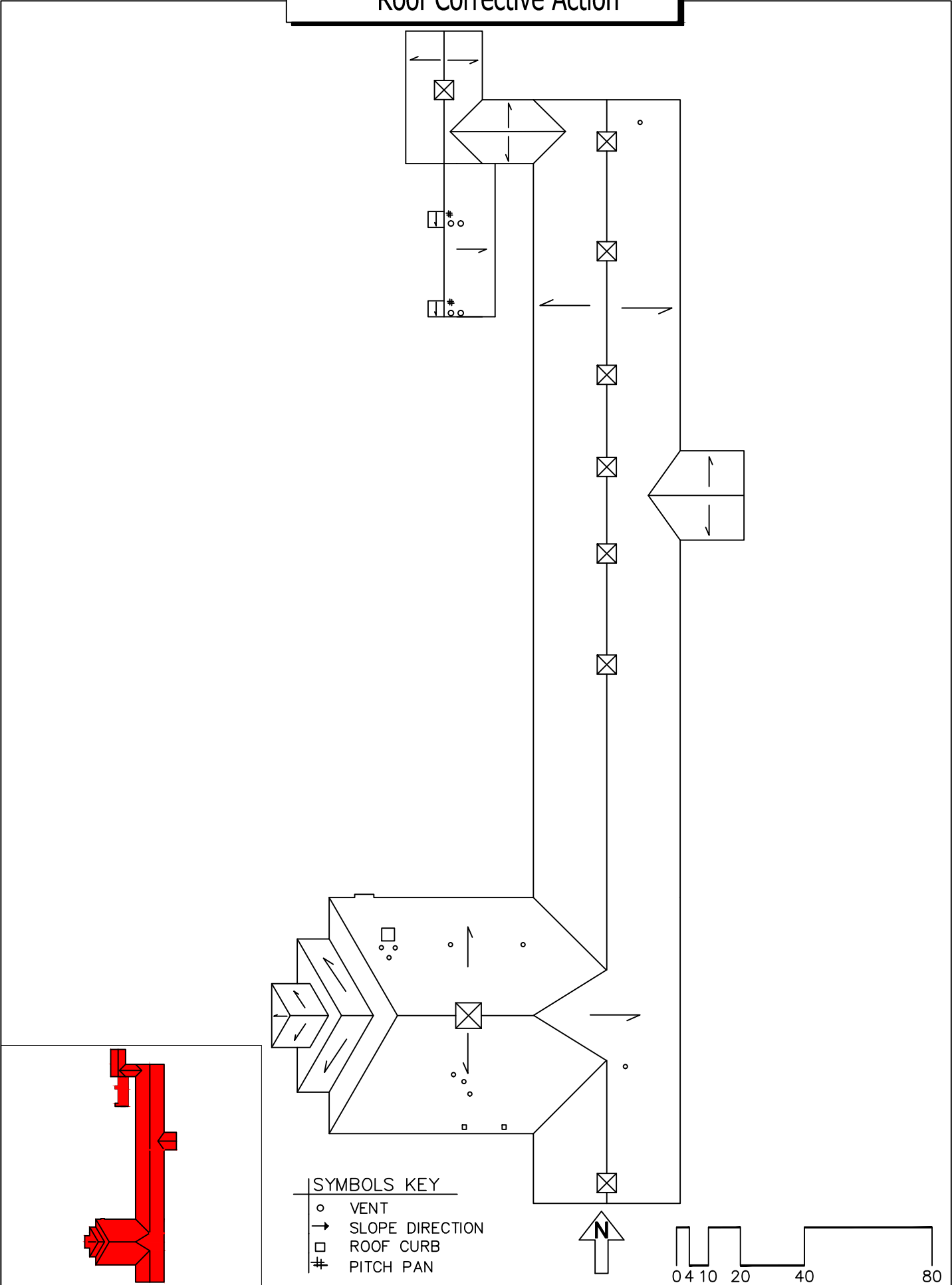
Roof ID

Building: 02.430 - Dairy Cattle Teaching & Research Center - (Fairview Ave)
Roof Access: Ladder
Total SF: 24,688 sf

A: 24,688 sf



Roof Corrective Action

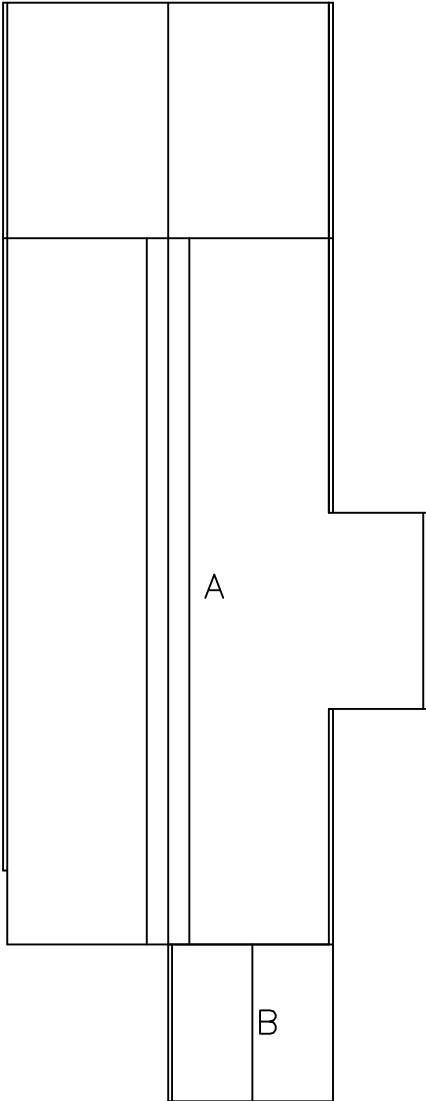


Roof ID

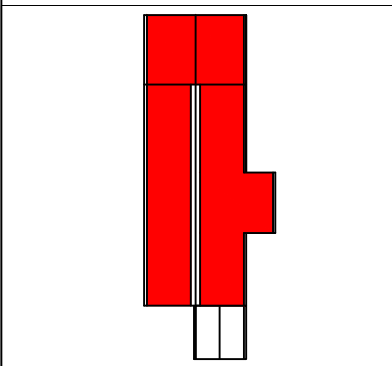
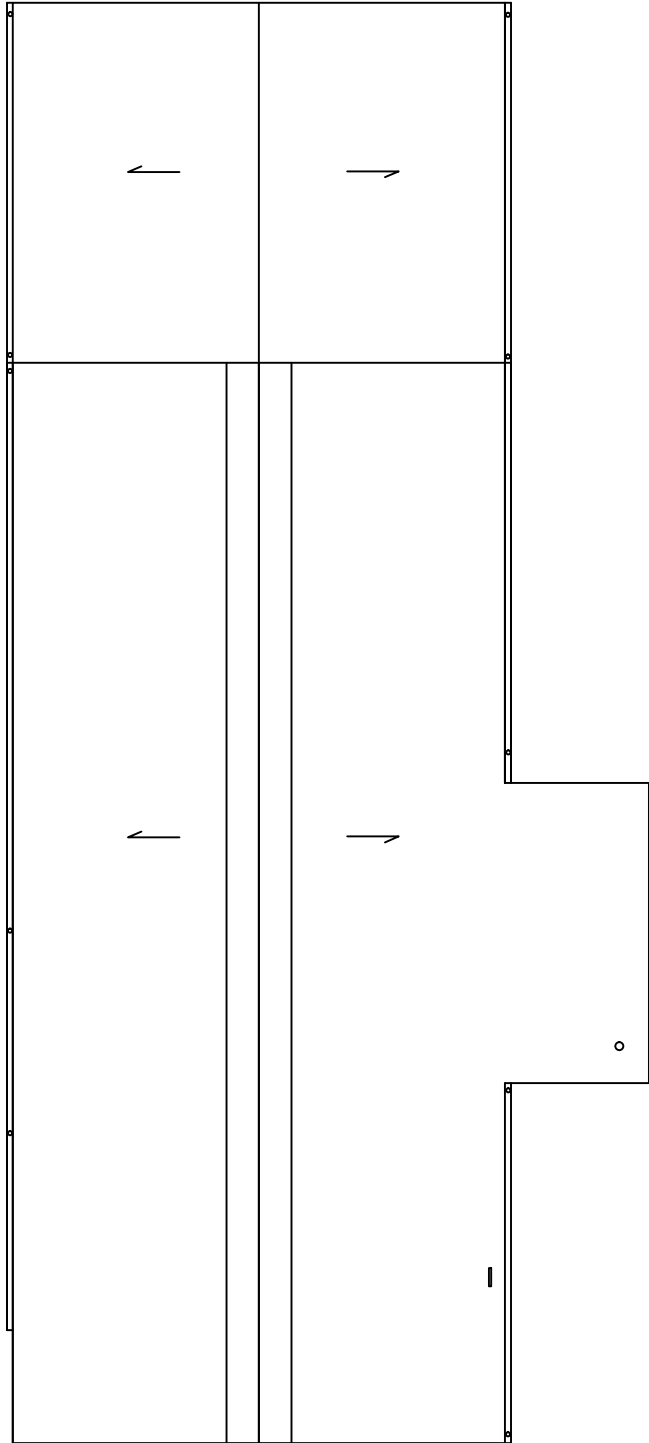
Building: 02.431 - Animal Waste Treatment Center - (Buford Pl)
Roof Access: Sloped metal roof

Total SF: 6,704 sf

A:	6000 sf
B:	704 sf

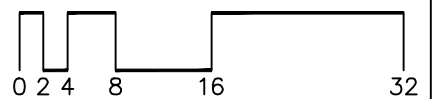


Roof Corrective Action

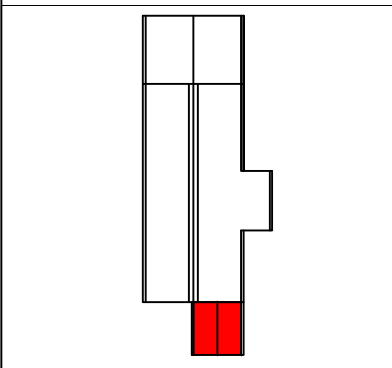
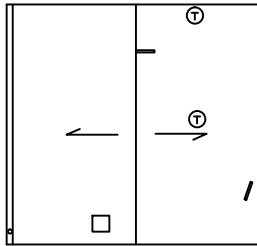


SYMBOLS KEY

- VENT
- SLOPE DIRECTION
- ROOF CURB

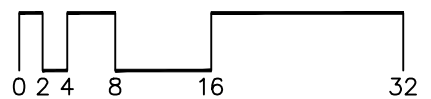


Roof Corrective Action



SYMBOLS KEY

- VENT
- SLOPE DIRECTION
- ROOF CURB
- ⊕ ROOF ANCHOR



Roof ID

Building: SP432 - Agronomy Greenhouse - (1522 Gortner Avenue St. Paul, MN)

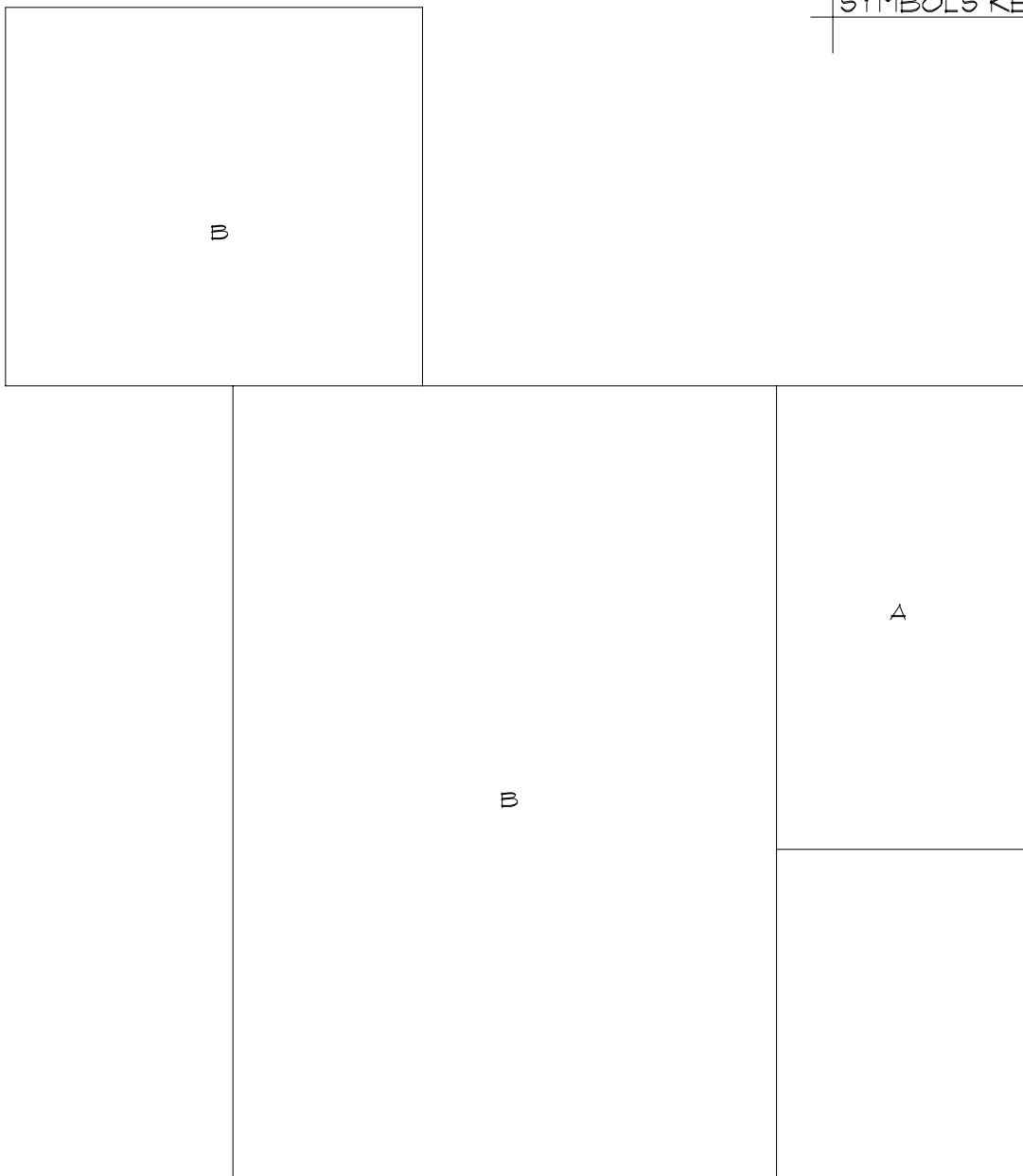
Roof Access: Ladder

Total Area: 4,678 sf

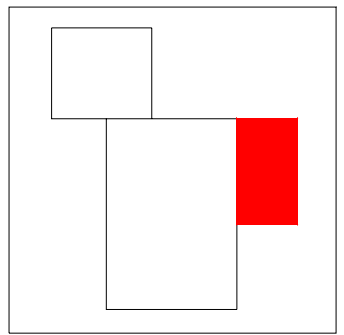
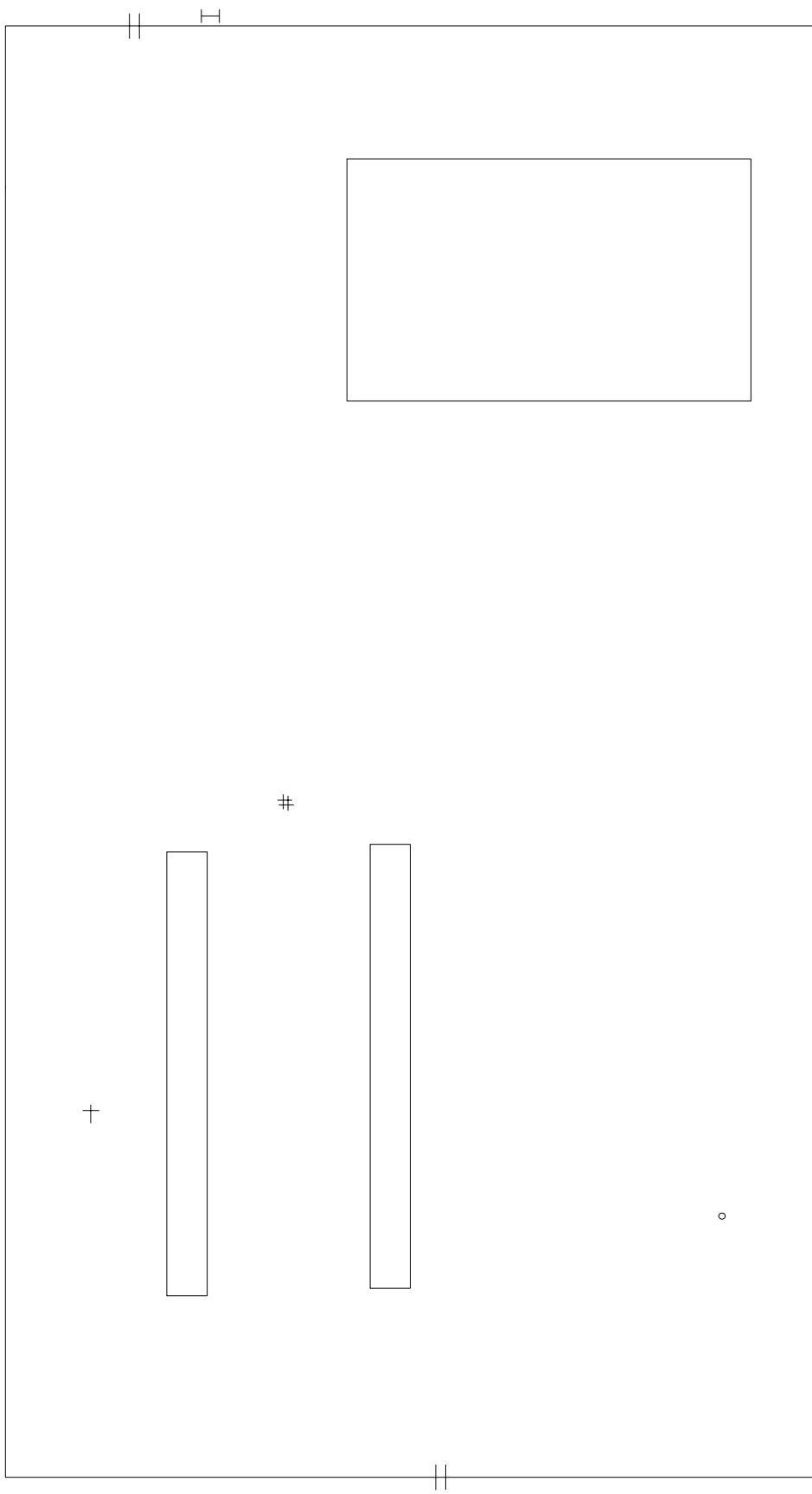
A 720 sf

B 3,958 sf

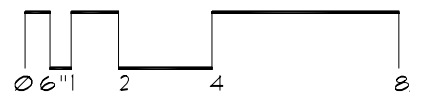
SYMBOLS KEY



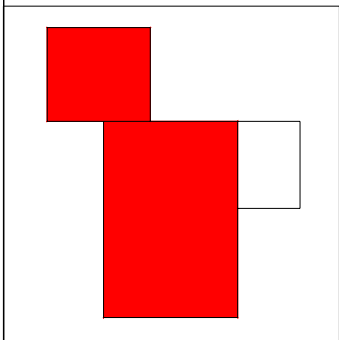
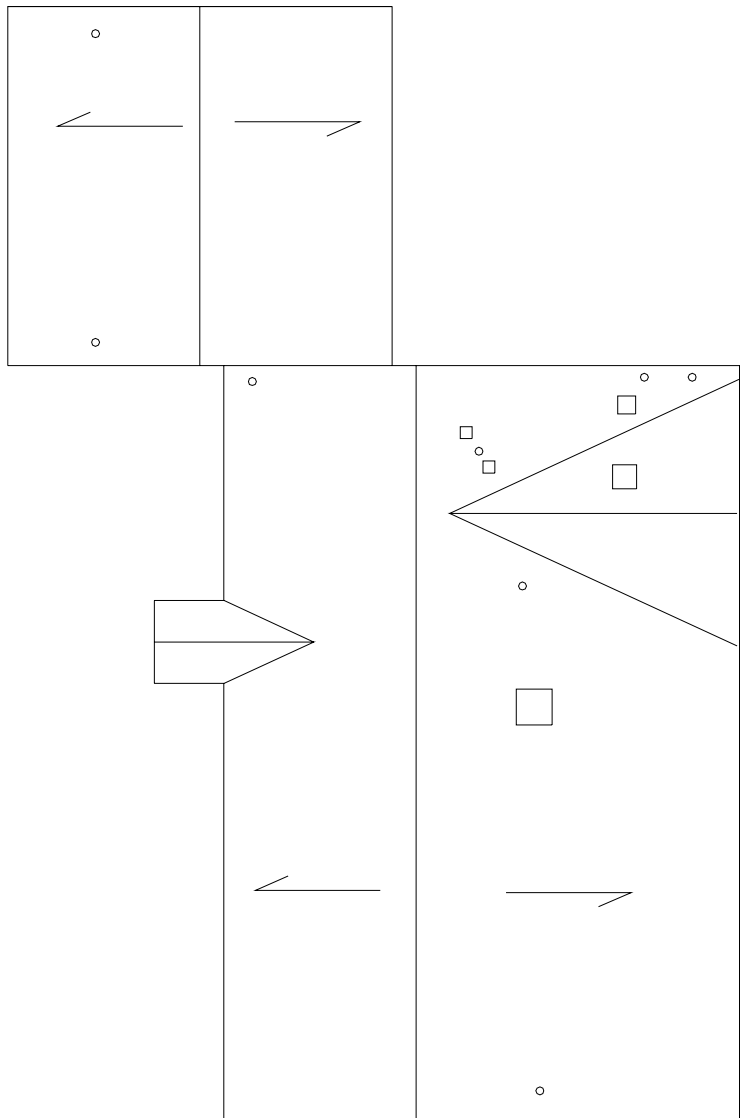
Roof Corrective Action



SYMBOLS KEY	
□	ROOF CURB
○	VENT STACK
#	PITCH PAN
I	LADDER
+	FLASHED PENETRATION

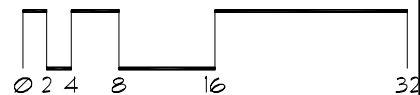


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- VENT STACK
- SLOPE DIRECTION



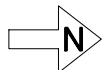
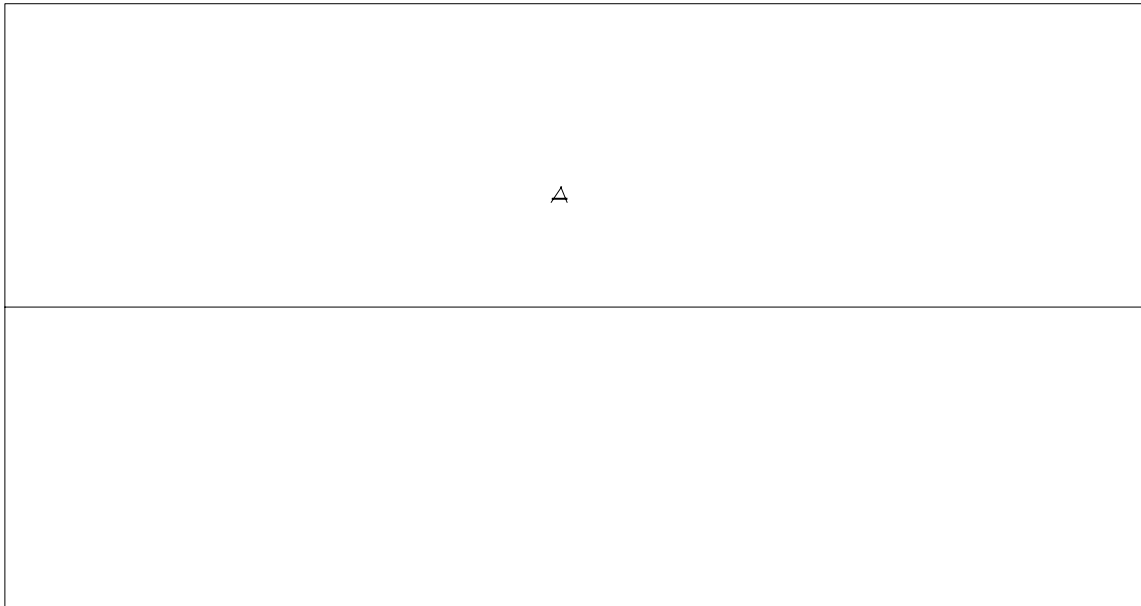
Roof ID

Building: SP433 - Field Operations Building - (1606 Fairview Ave)

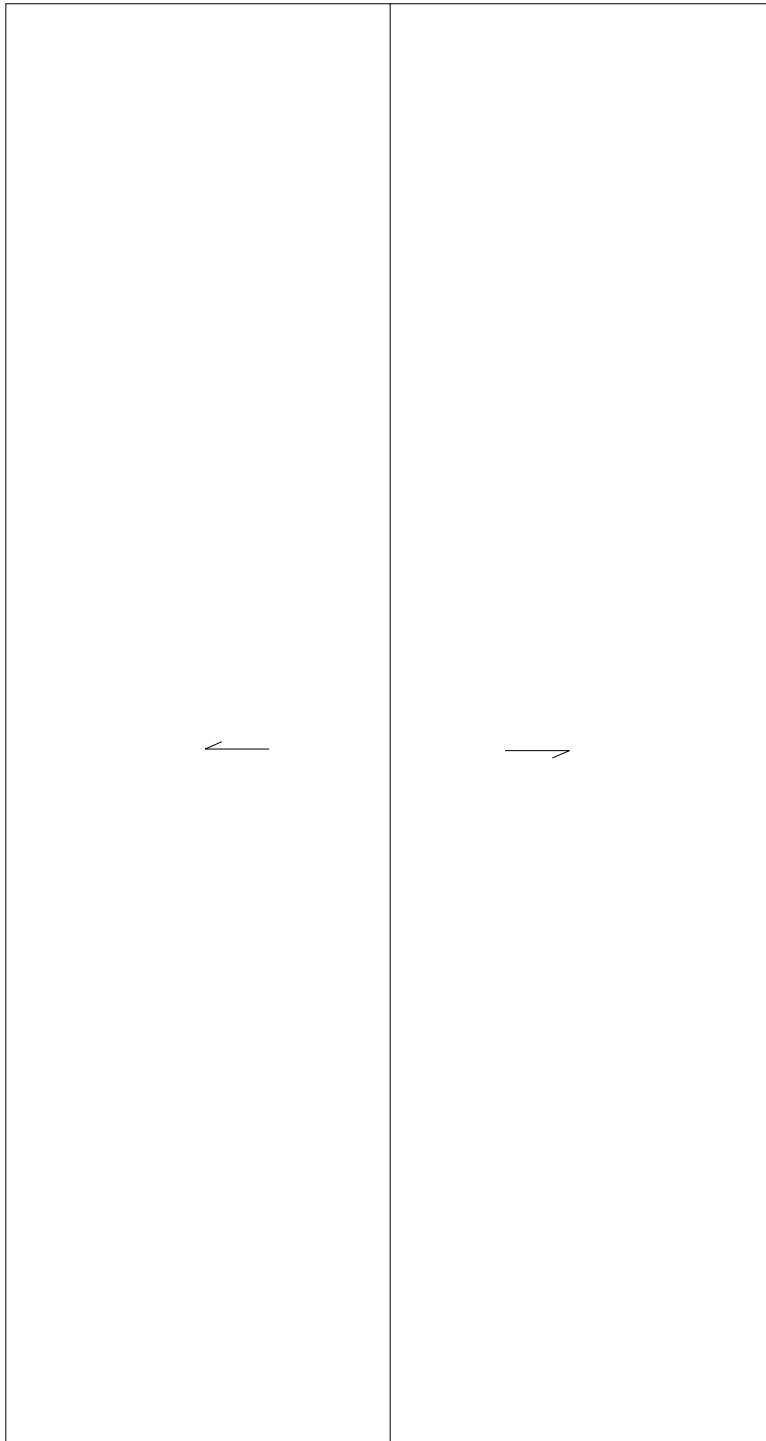
Roof Access: Ladder

Total Area: 1,978 sf

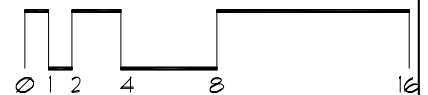
A 1,978 sf



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION



Roof ID

Building: SP434 - Gabbert Raptor Center - (1920 Fitch Ave St. Paul)

Roof Access: Check in at front desk

Total Area: 8,713 sf

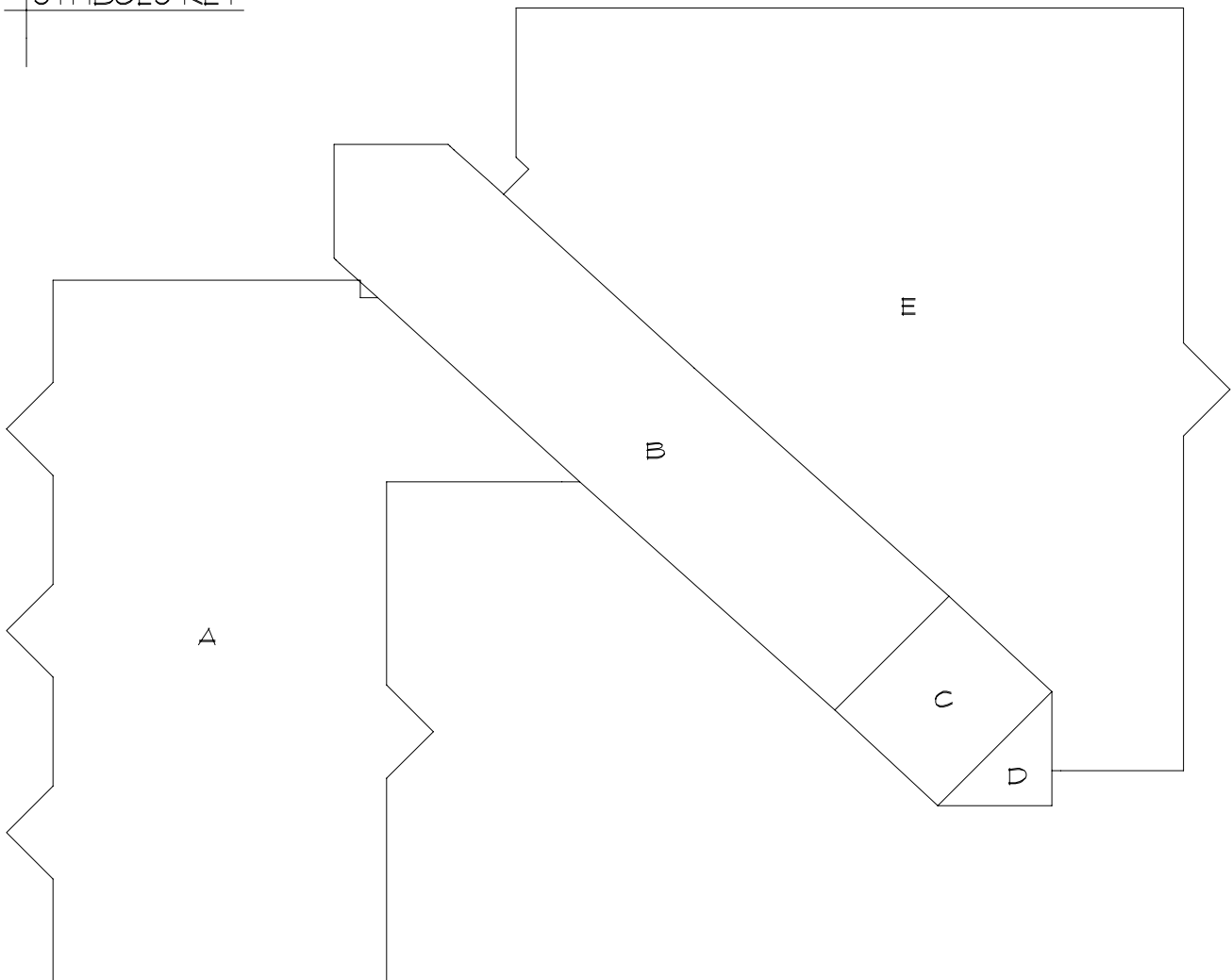
A 3,300 sf **E** 3,800 sf

B 1,288 sf

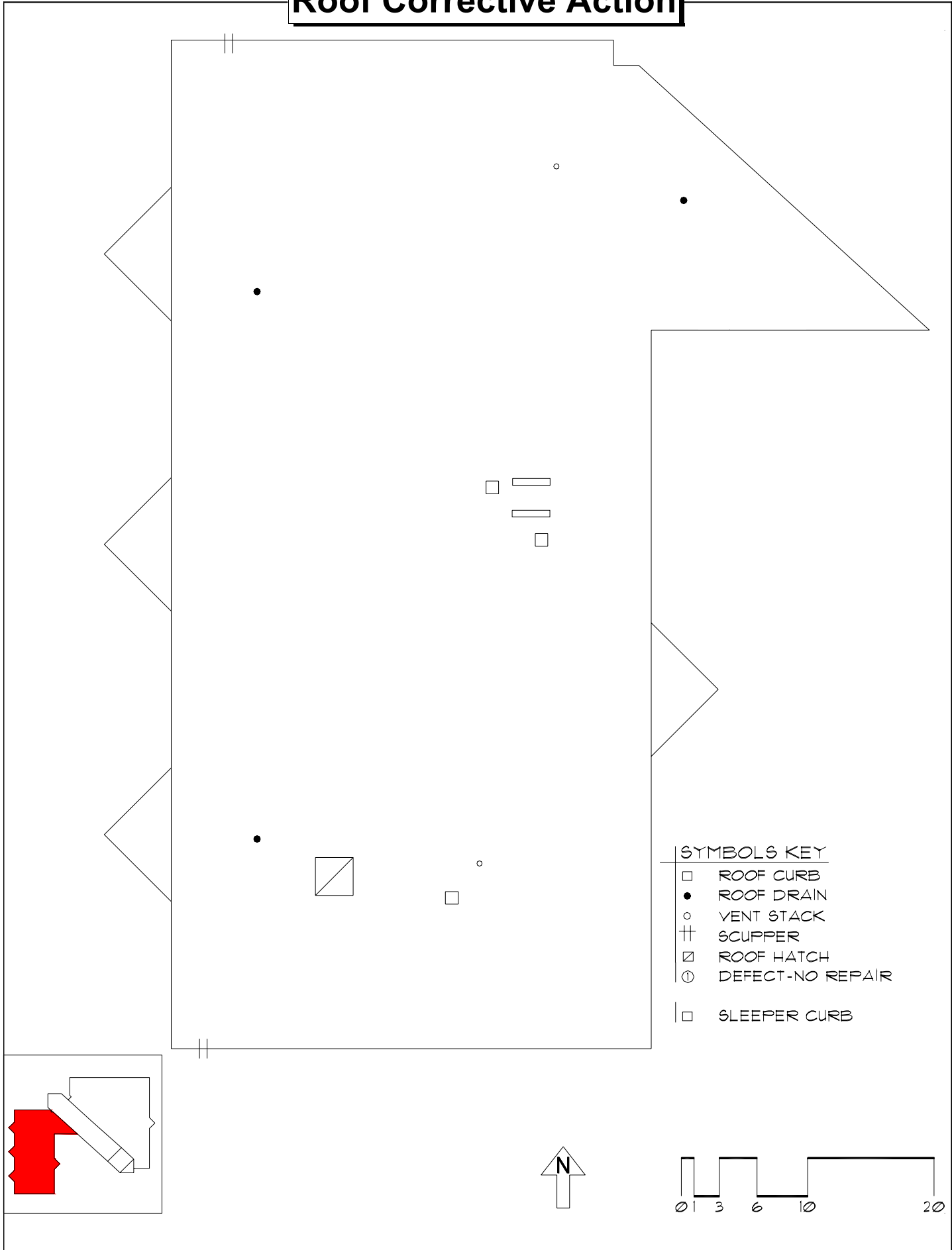
C 240 sf

D 85 sf

SYMBOLS KEY

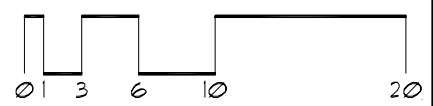
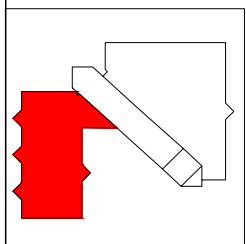


Roof Corrective Action

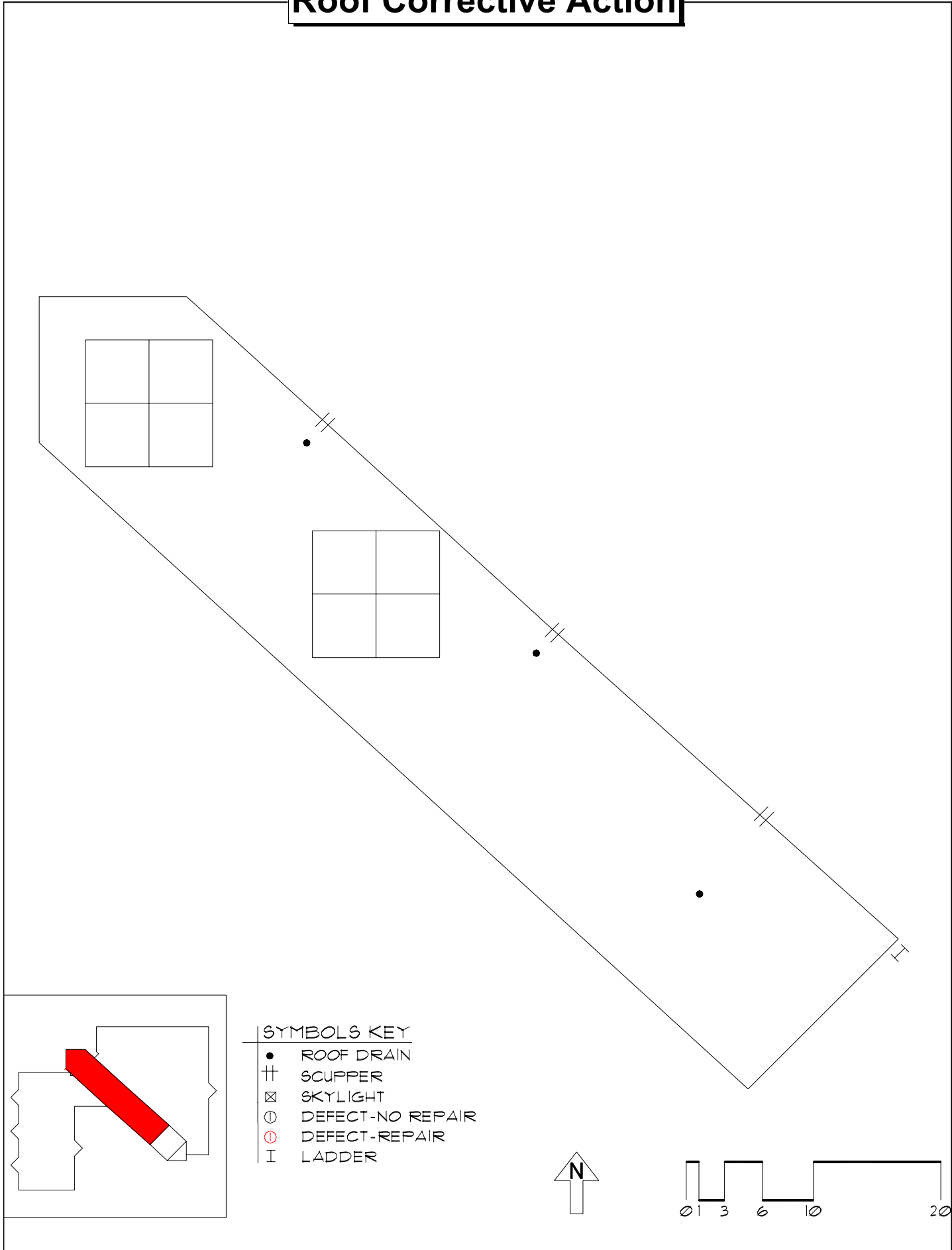


SYMBOLS KEY

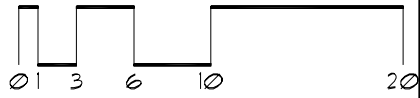
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- † SCUPPER
- ▣ ROOF HATCH
- ⊗ DEFECT-NO REPAIR
- ⊏ SLEEPER CURB



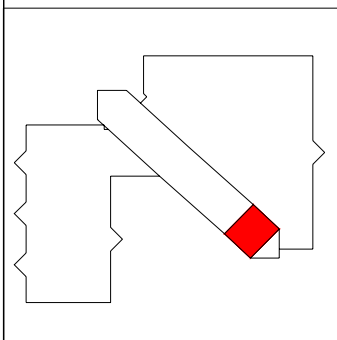
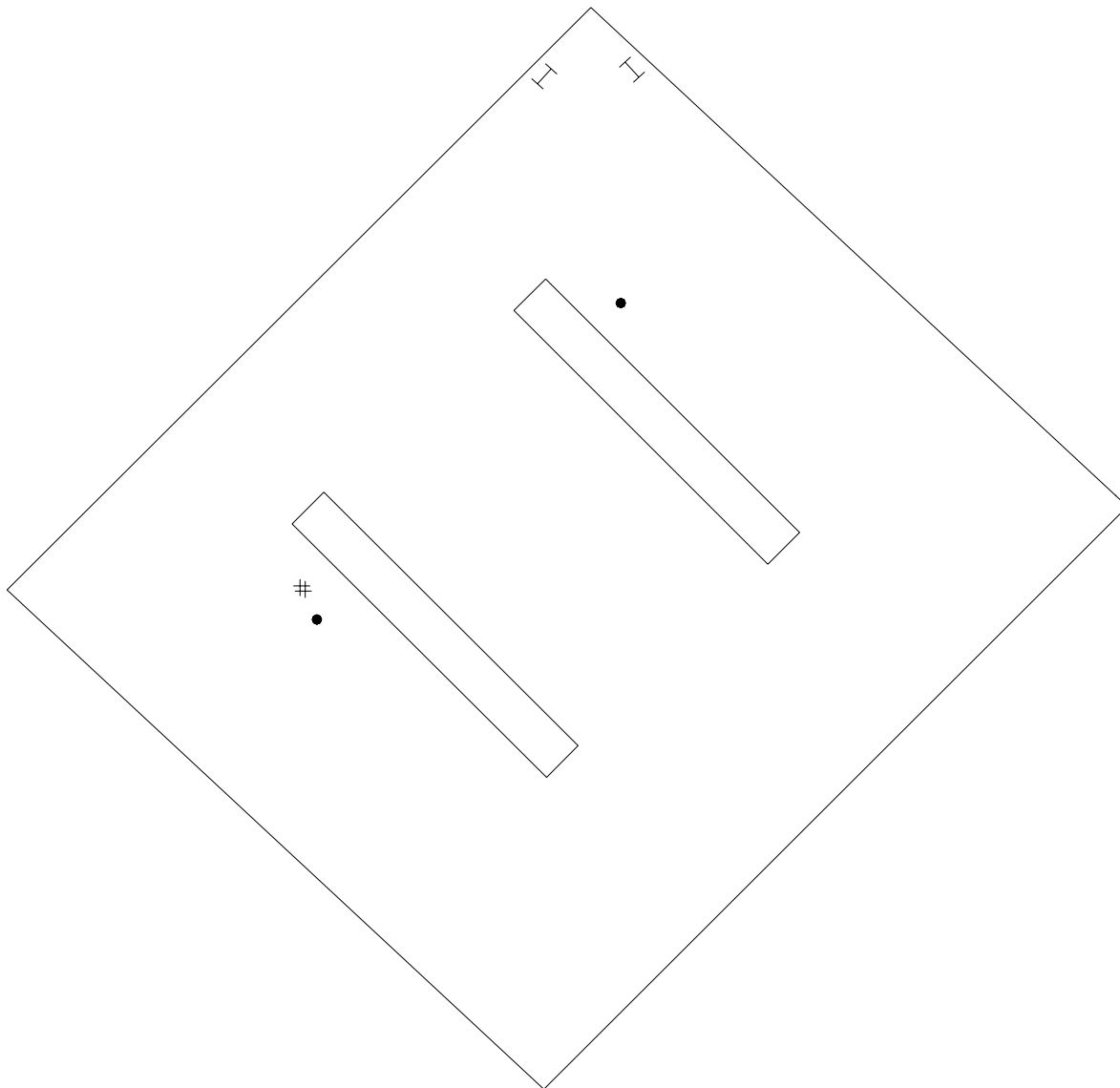
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - † SCUPPER
 - ☒ SKYLIGHT
 - ⊘ DEFECT-NO REPAIR
 - ⊘ DEFECT-REPAIR
 - I LADDER

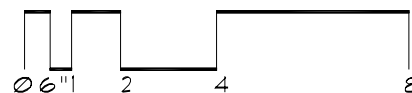


Roof Corrective Action

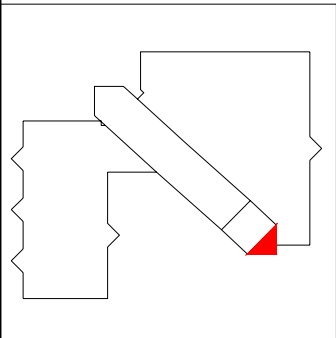
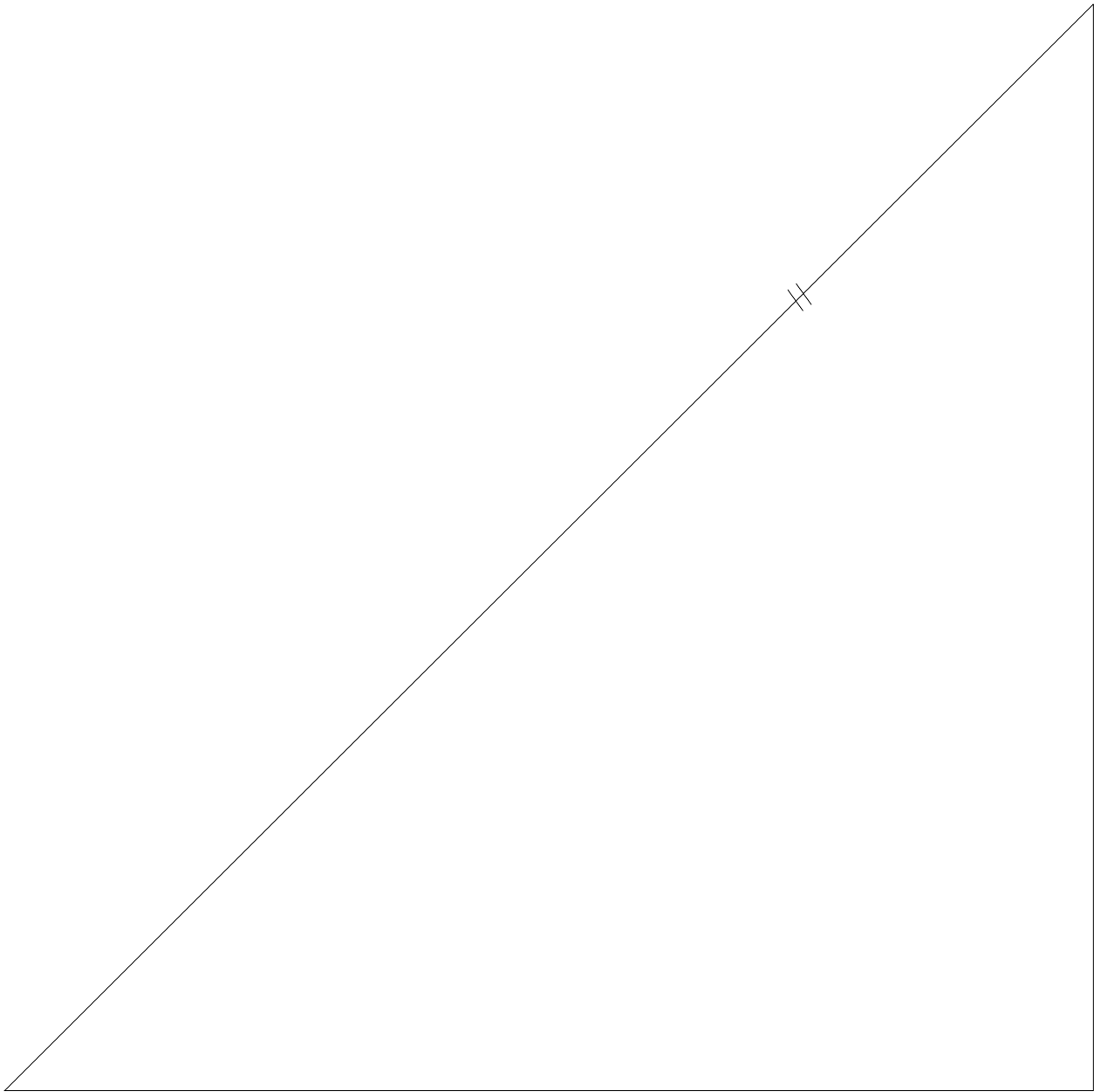


SYMBOLS KEY

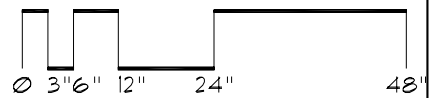
- ROOF CURB
- ROOF DRAIN
- # PITCH PAN
- I LADDER



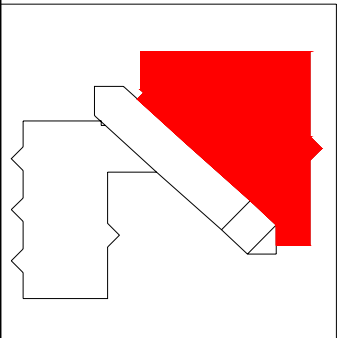
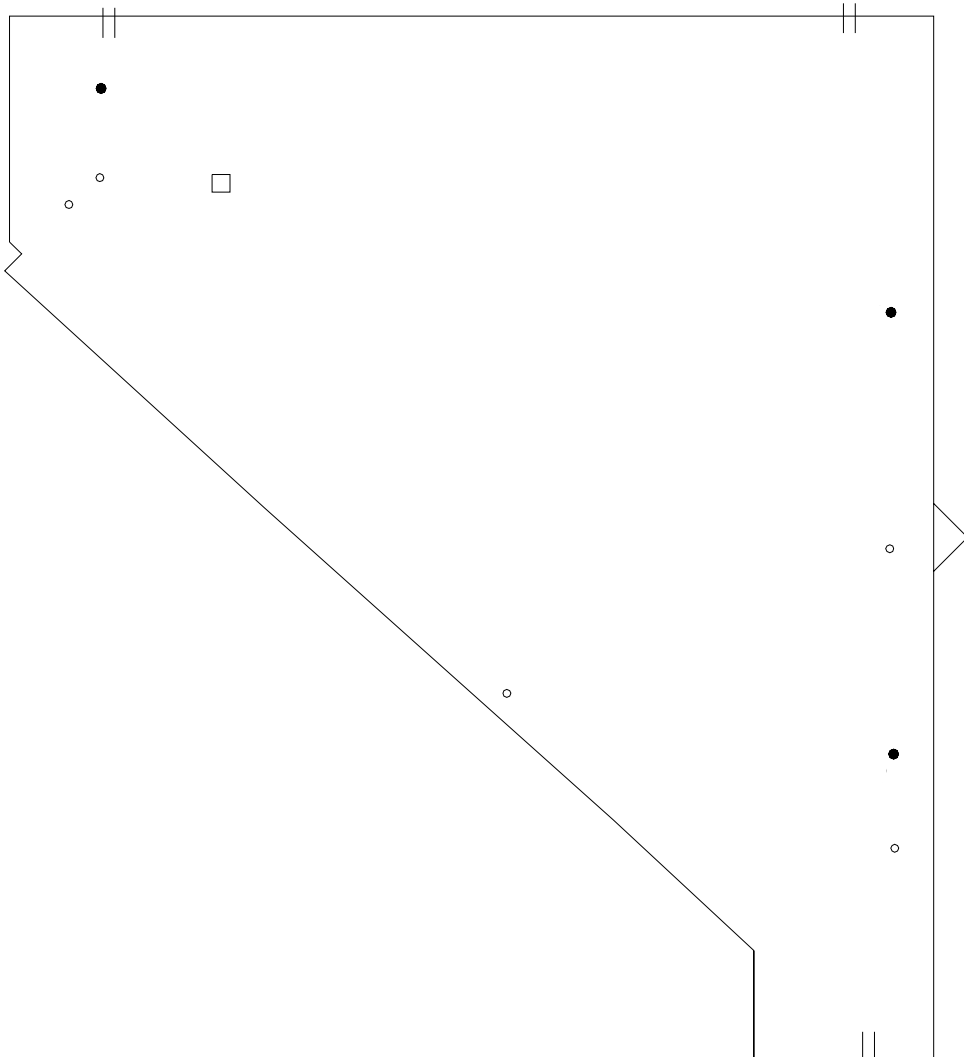
Roof Corrective Action



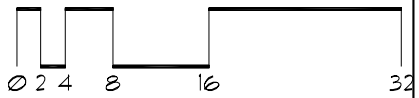
SYMBOLS KEY	
//	SCUPPER
⓪	DEFECT-NO REPAIR



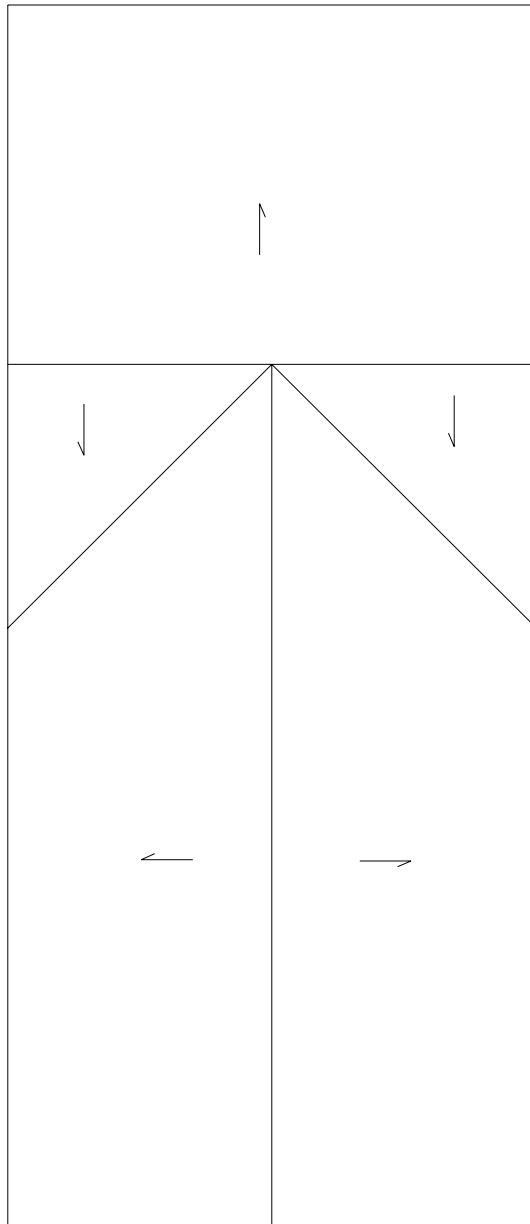
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - ROOF DRAIN
 - VENT STACK
 - || SCUPPER
 - ⊖ DEFECT-NO REPAIR
 - ⊗ POSSIBLE LEAK LOCATION
 - ⊕ DEFECT-REPAIR

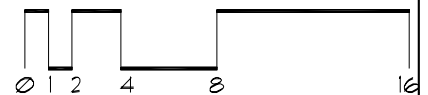


Roof Corrective Action



SYMBOLS KEY

→ SLOPE DIRECTION
| DEFECT-REPAIR



Roof ID

Building: SP436 - MN Molecular/Cellular Therapeutic Fac. - (1900 Fitch Ave)

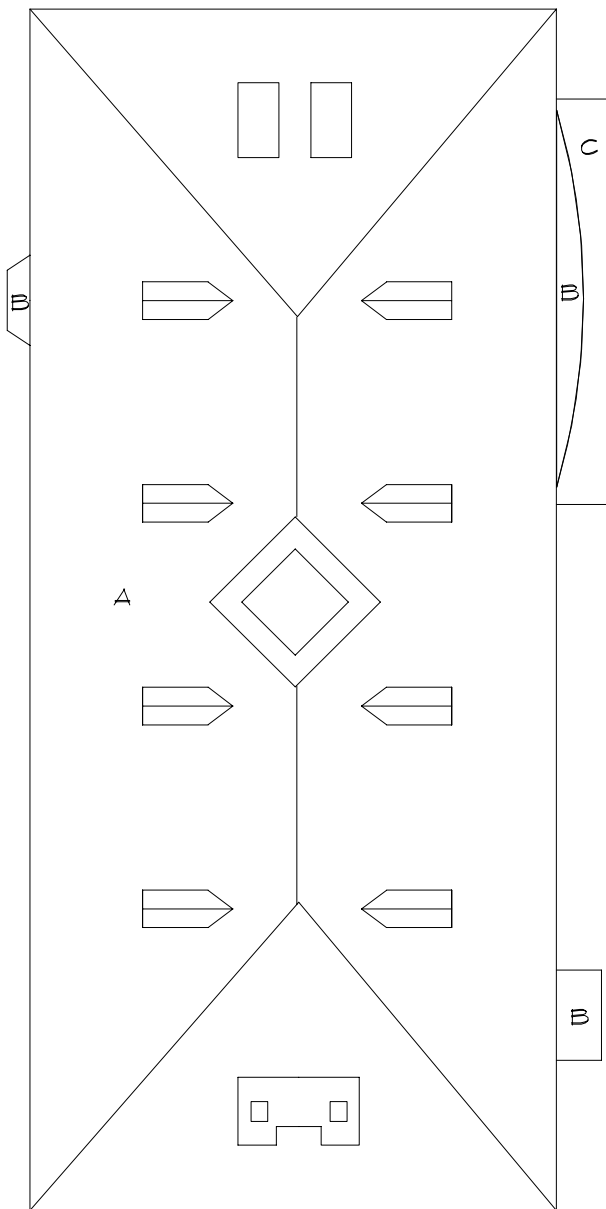
Roof Access: Ladder

Total Area: 13,158 sf

A 12,700 sf

B 204 sf

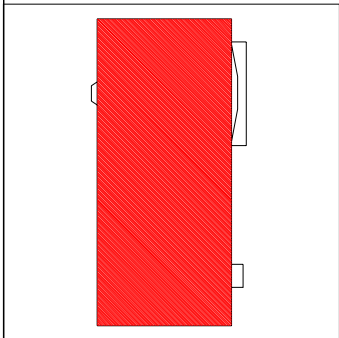
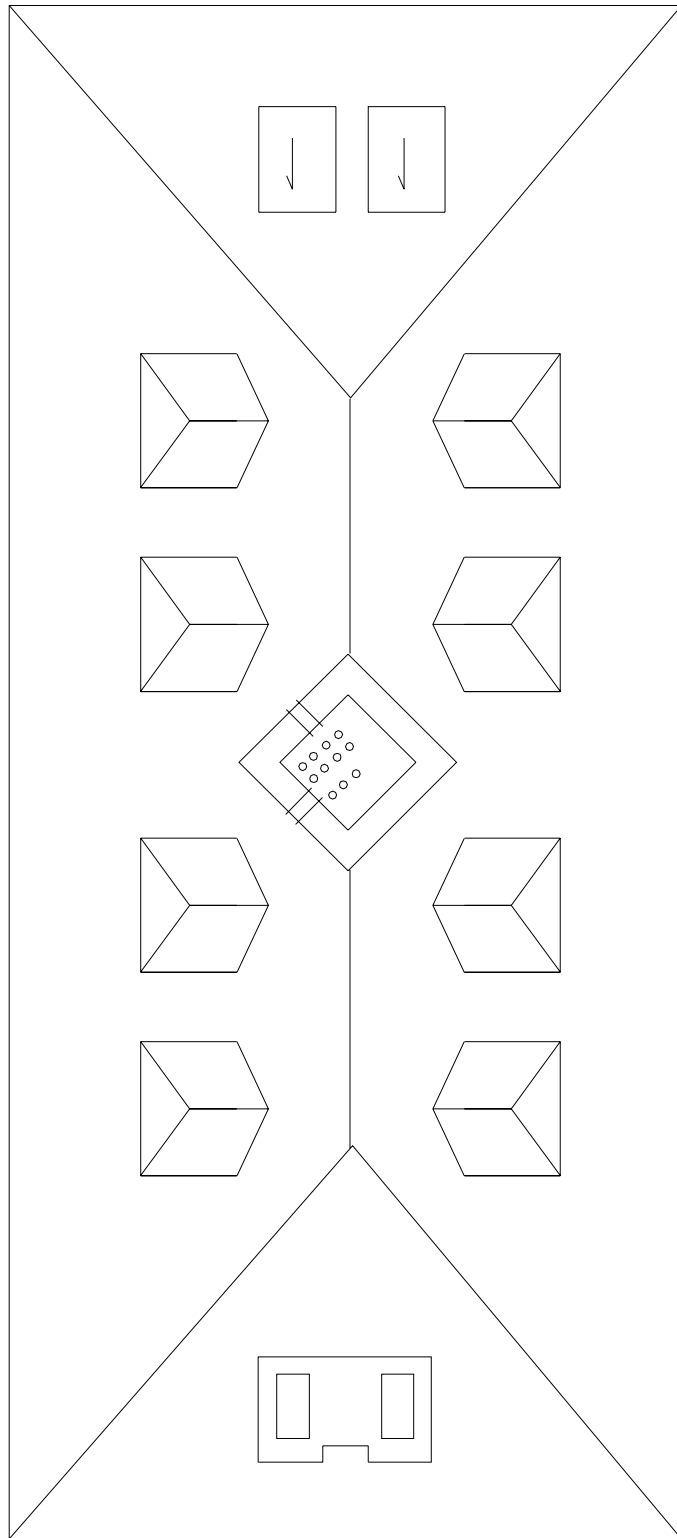
C 254 sf



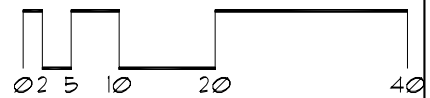
SYMBOLS KEY



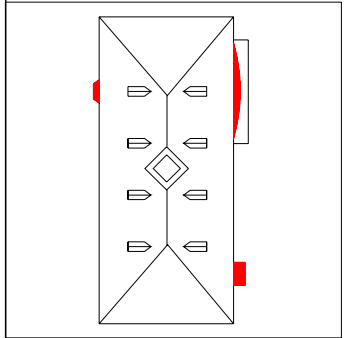
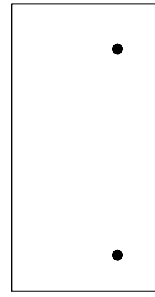
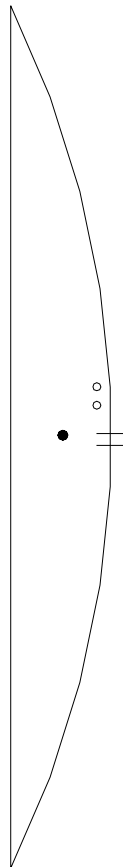
Roof Corrective Action



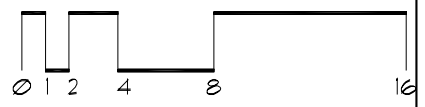
- SYMBOLS KEY**
- VENT STACK
 - ⊕ SCUPPER
 - ⓪ DEFECT-NO REPAIR



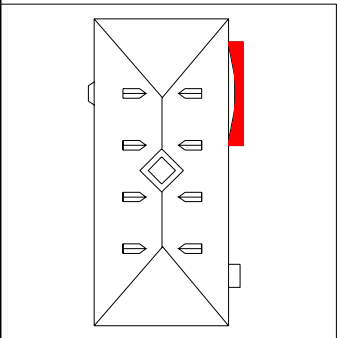
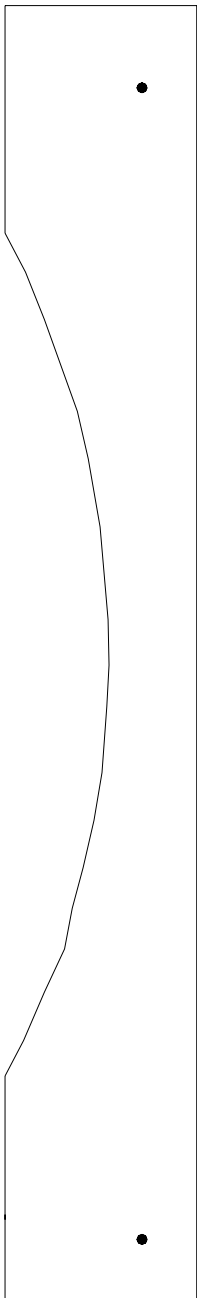
Roof Corrective Action



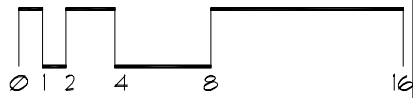
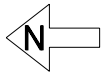
- SYMBOLS KEY**
- ROOF DRAIN
 - † SCUPPER
 - DEFECT-REPAIR
 - ① DEFECT-NO REPAIR



Roof Corrective Action



SYMBOLS KEY
● ROOF DRAIN



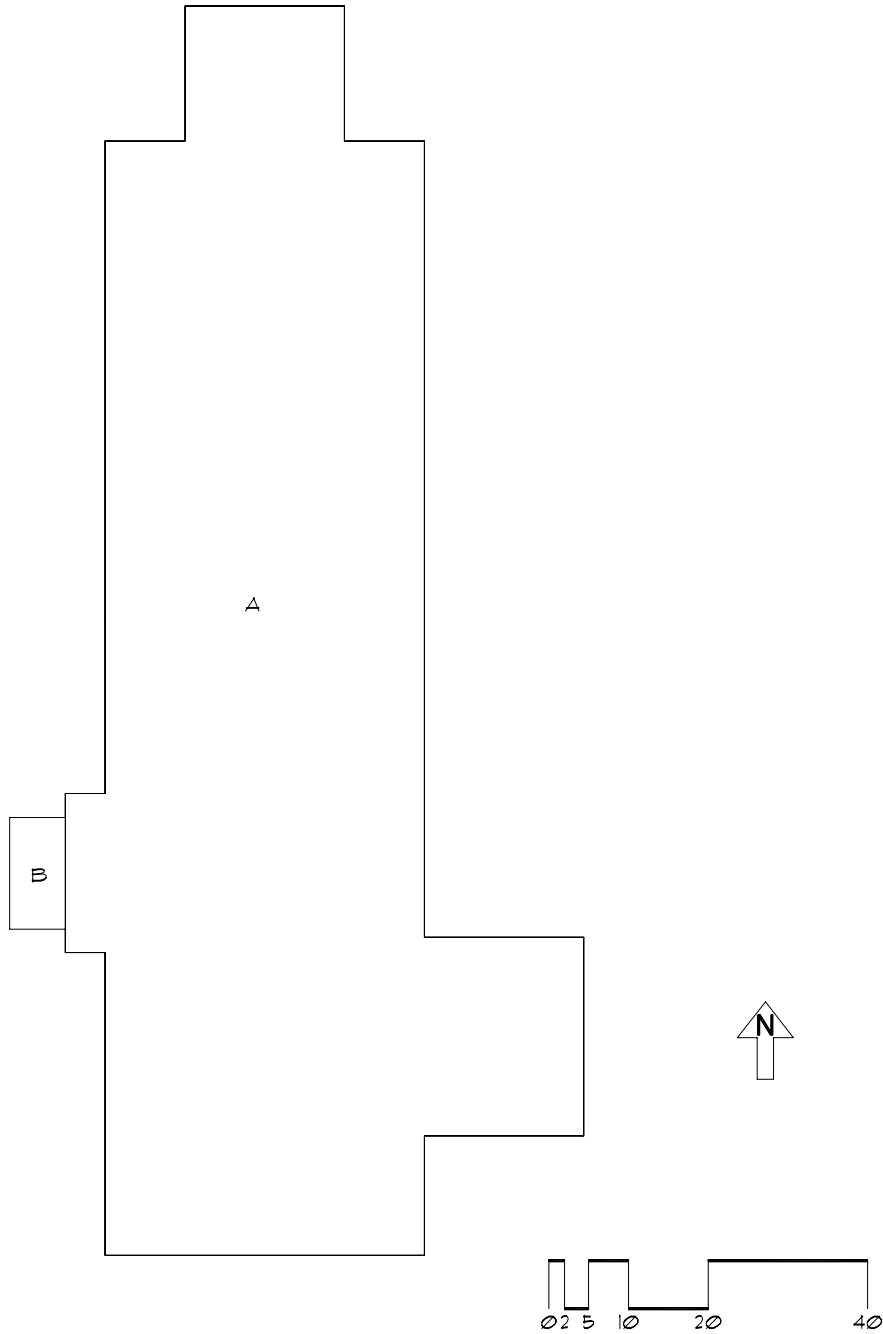
Roof ID

Building: SP440 - St Paul Chiller Plant - ()

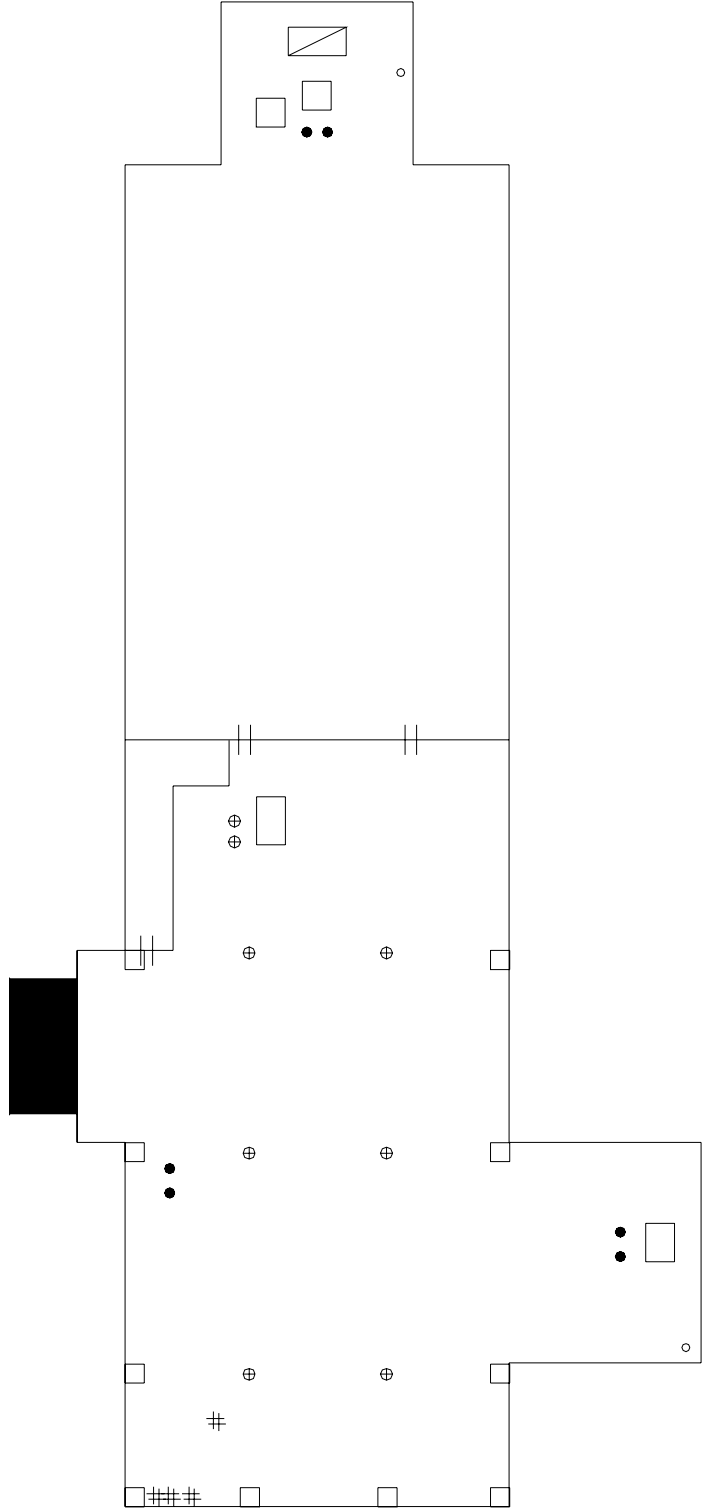
Total Area: 3,320 sf

A 3,220

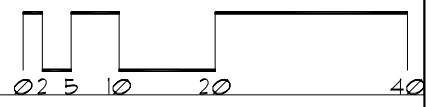
B 100



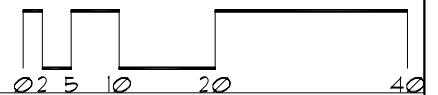
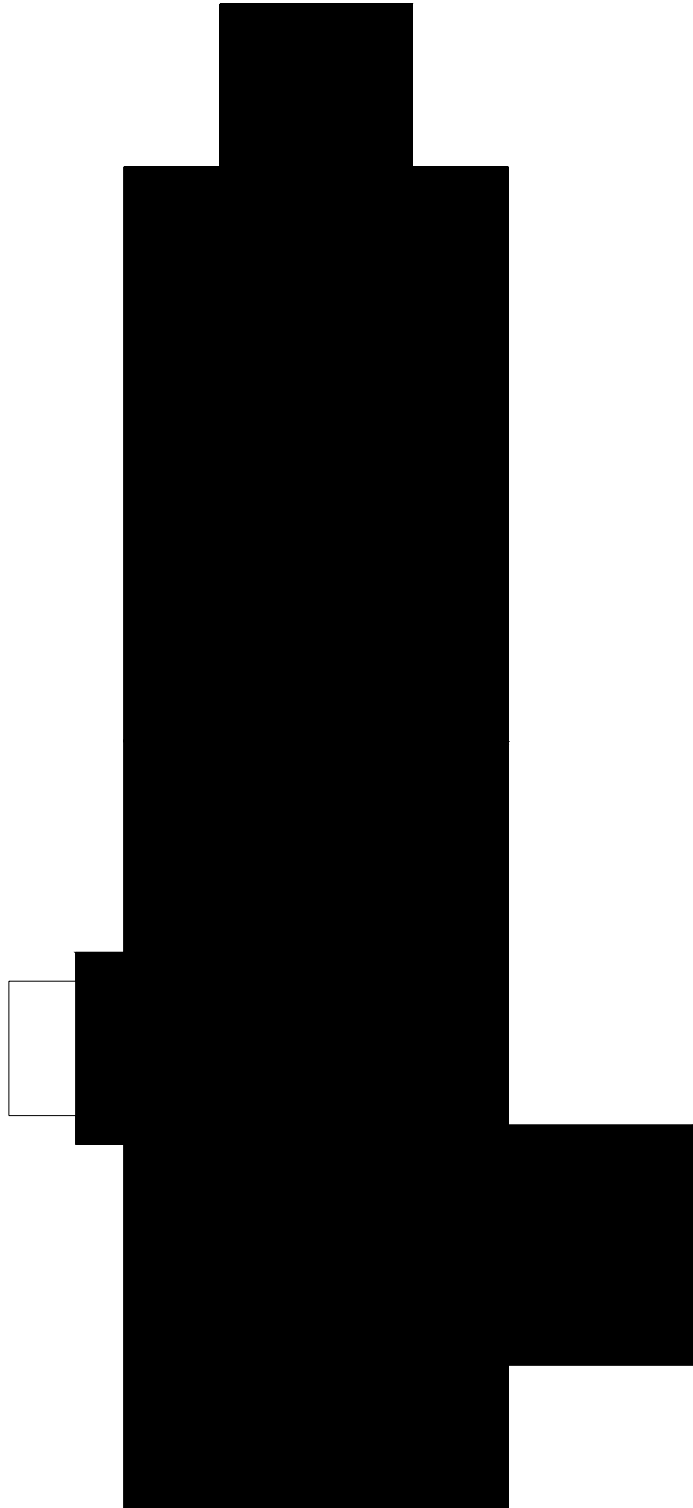
Roof Corrective Action



SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
⊥	SCUPPER
⊗	PITCH PAN
⊕	ROOF HATCH
⊕	FLASHED PEN.



Roof Corrective Action



Roof ID

Building: SP437 - Skok Hall - (2003 Upper Buford Circle St. Paul)

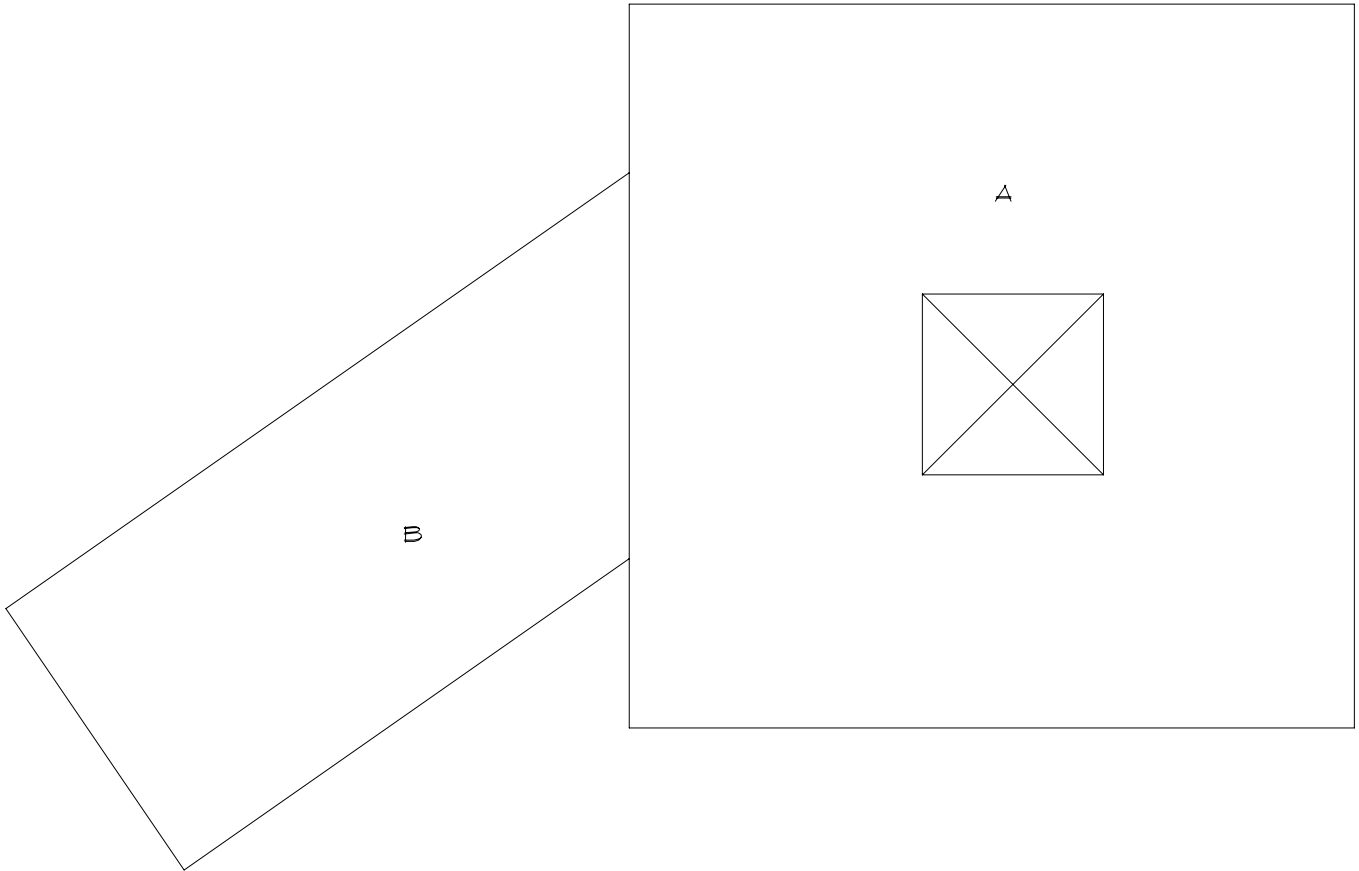
Roof Access: Top floor maintenance room across from elevator

Total Area: 5,004 sf

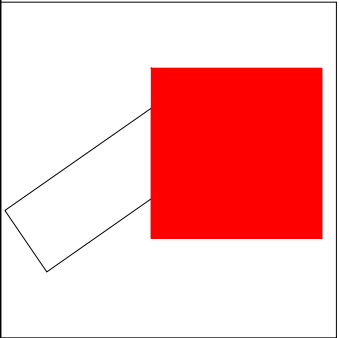
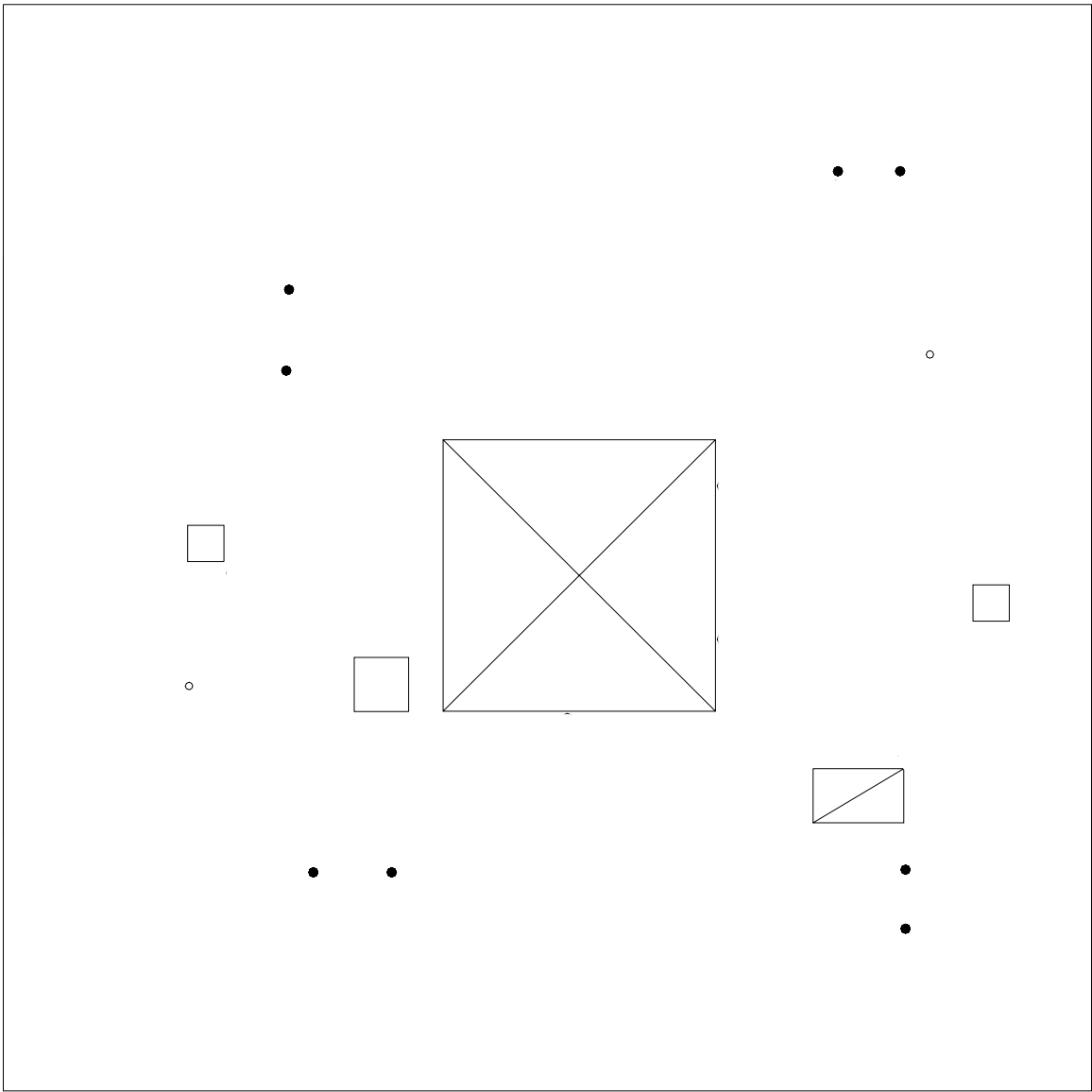
A 3,600 sf

B 1,404 sf

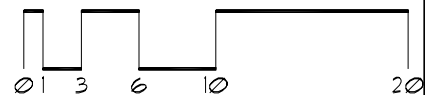
SYMBOLS KEY



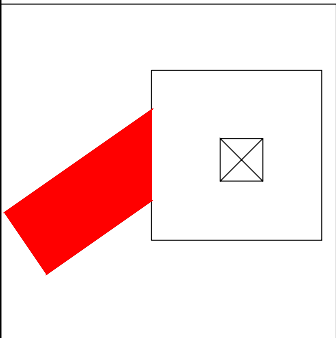
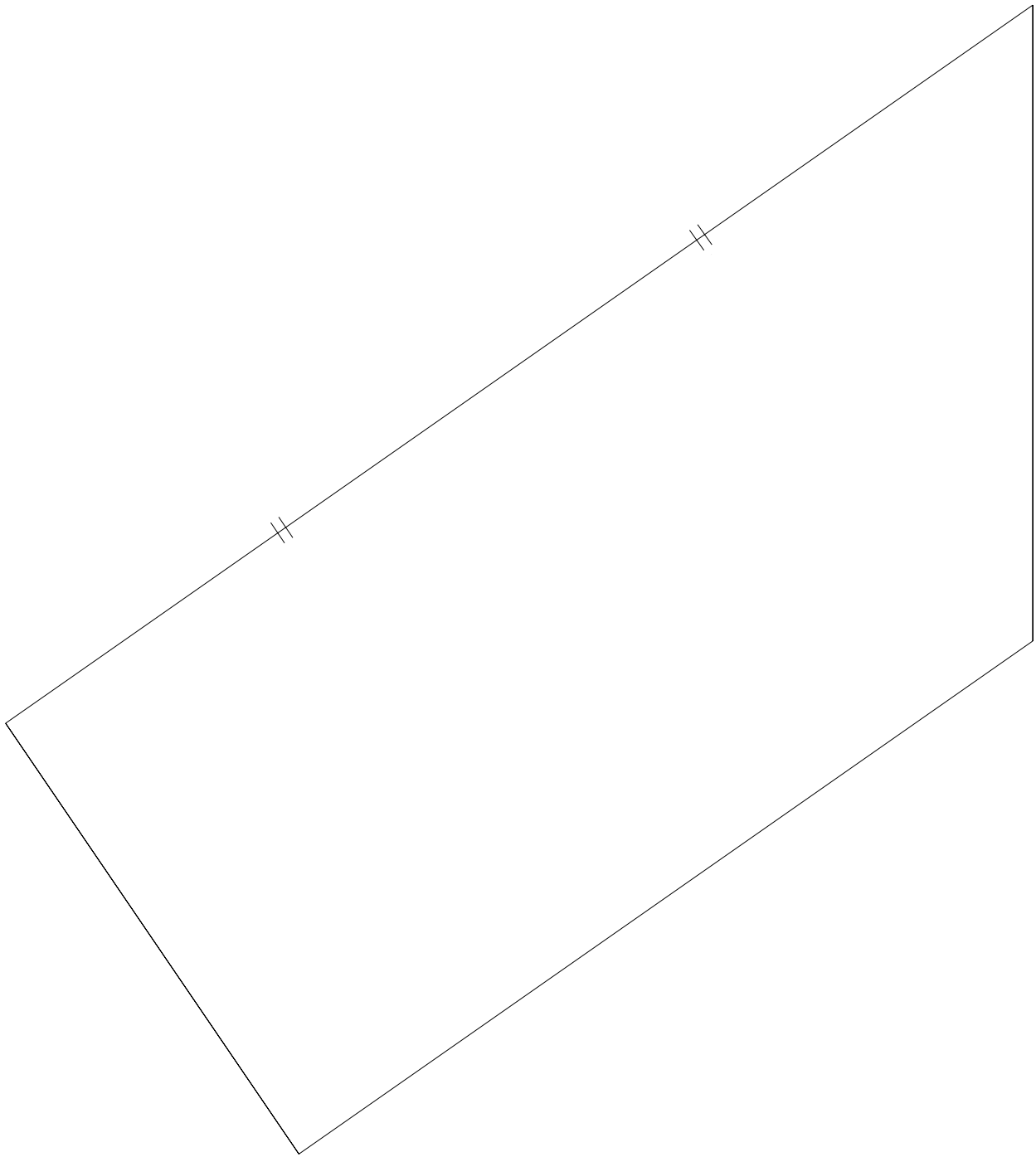
Roof Corrective Action



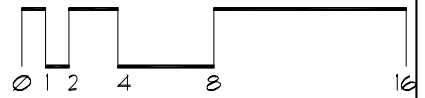
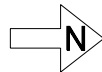
SYMBOLS KEY	
□	ROOF CURB
●	ROOF DRAIN
○	VENT STACK
⊠	SKYLIGHT
▤	ROOF HATCH



Roof Corrective Action



- SYMBOLS KEY**
- || SCUPPER
 - ⊖ DEFECT-REPAIR
 - ⊙ DEFECT-NO REPAIR



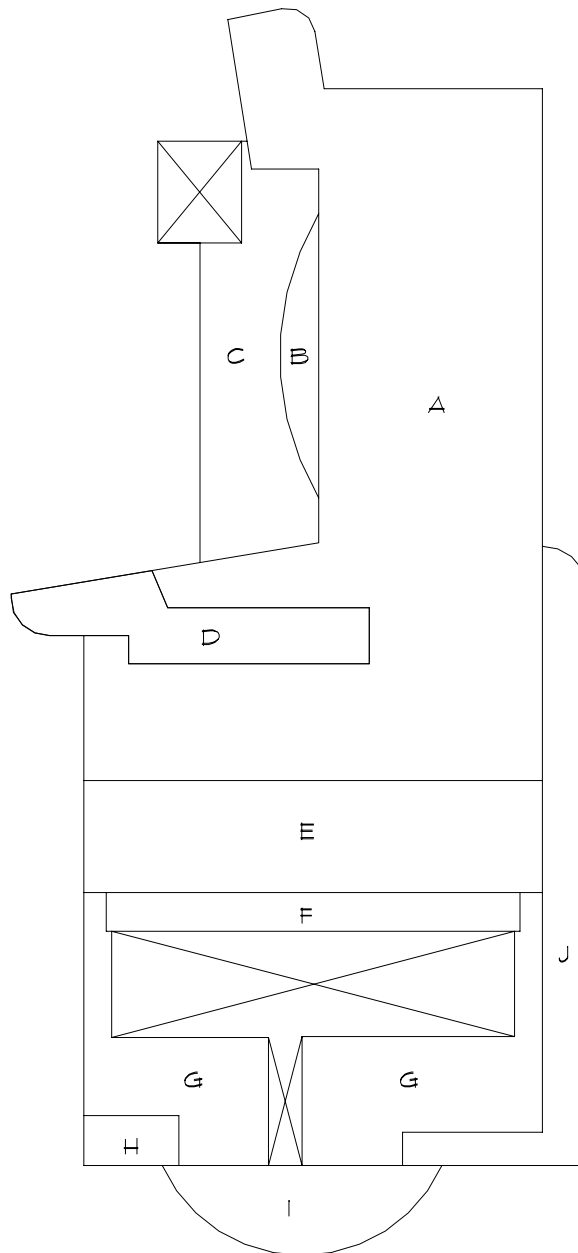
Roof ID

Building: SP438 - Ecology Building - (1987 Upper Buford Circle, St Paul)

Roof Access: Elevator top floor, roof hatch north area A

Total Area: 15,305 sf

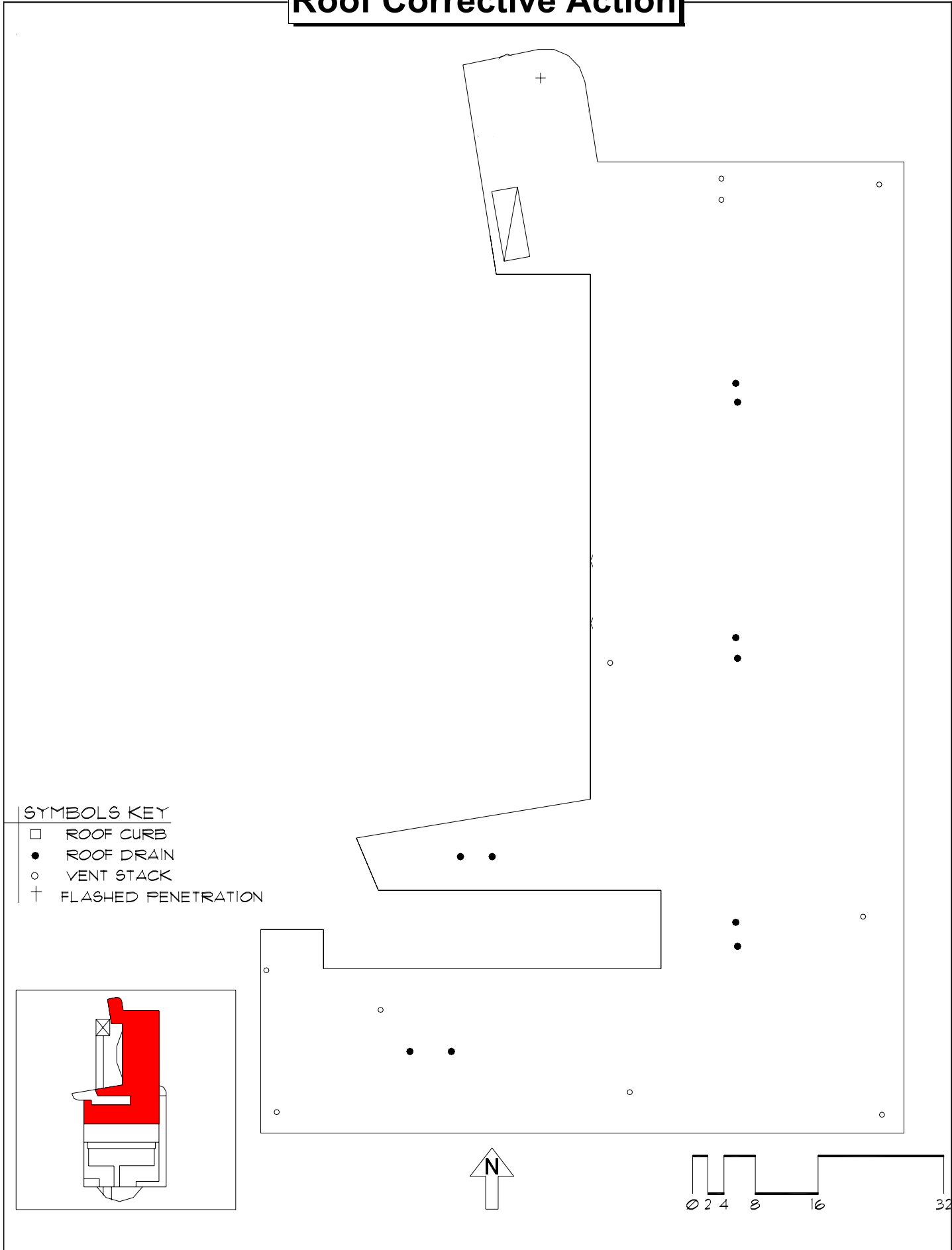
A	6,886 sf	E	1,558 sf	I	508 sf
B	128 sf	F	504 sf	J	1,016 sf
C	2,156 sf	G	1,641 sf		
D	755 sf	H	153 sf		



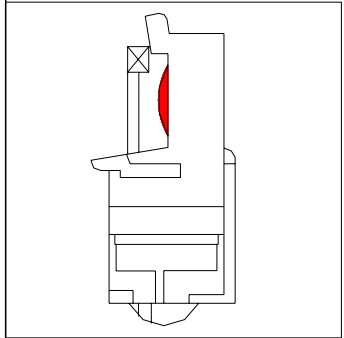
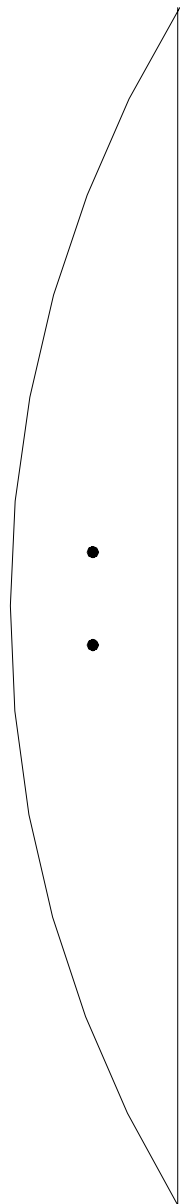
SYMBOLS KEY



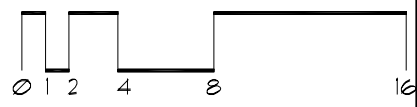
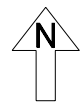
Roof Corrective Action



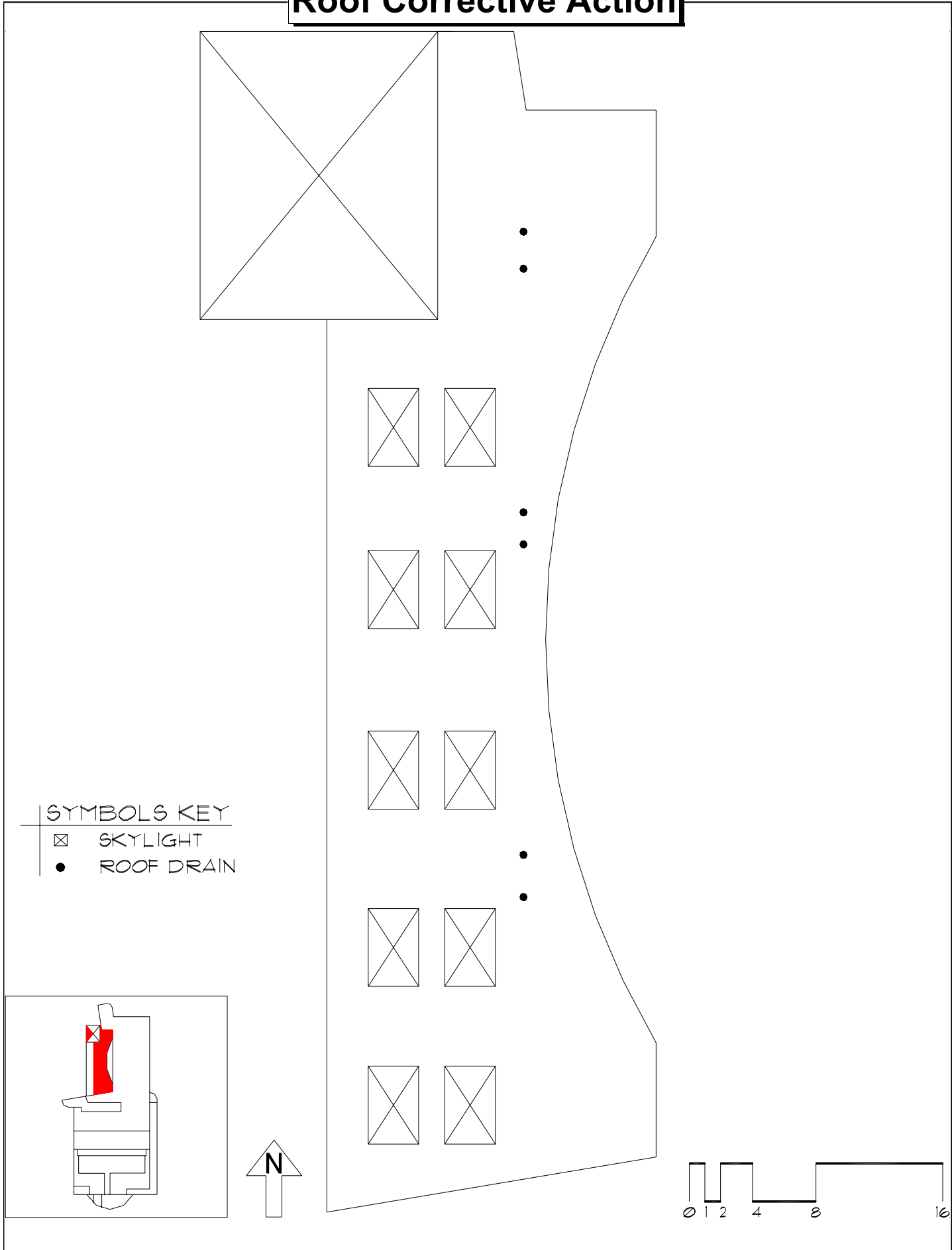
Roof Corrective Action



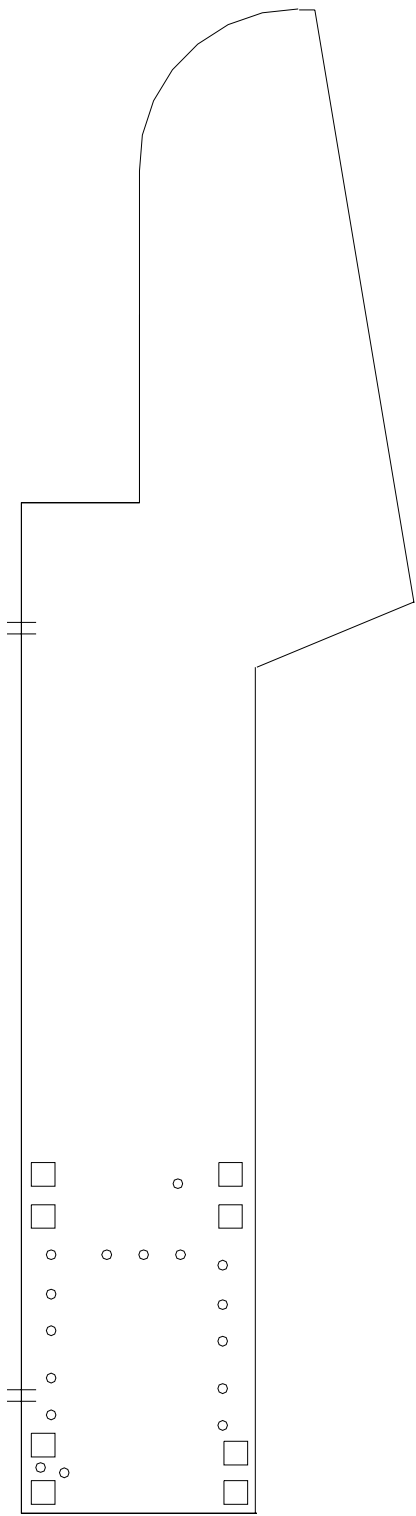
SYMBOLS KEY
● ROOF DRAIN
Ⓢ DEFECT-REPAIR



Roof Corrective Action

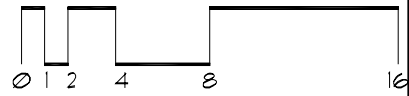
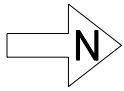
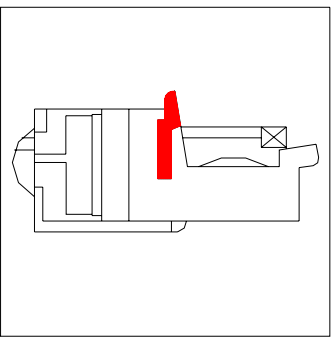


Roof Corrective Action

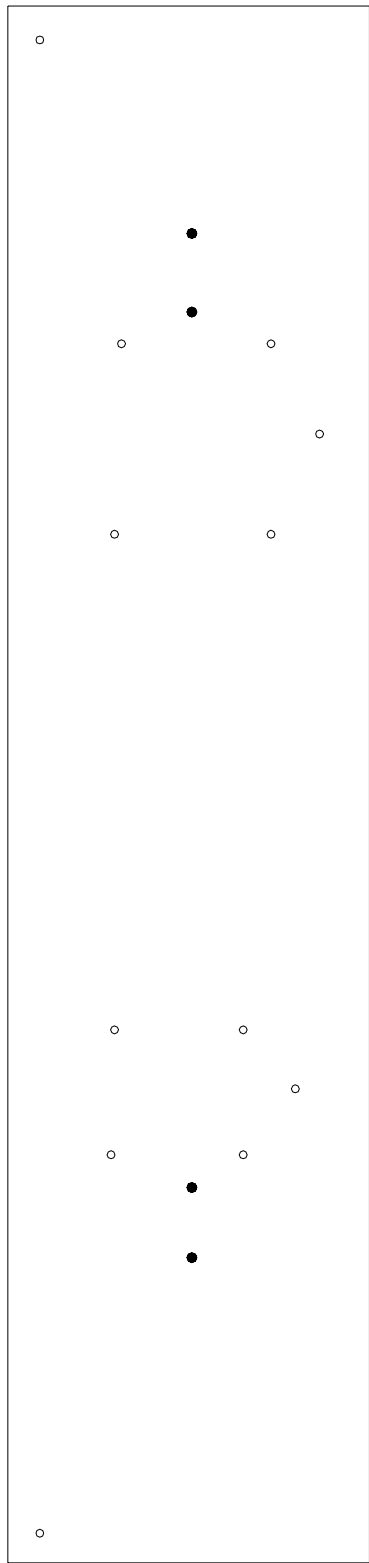


SYMBOLS KEY

- † SCUPPER
- ROOF CURB
- VENT STACK

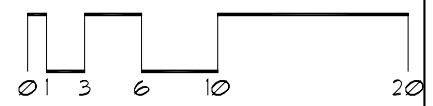
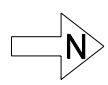
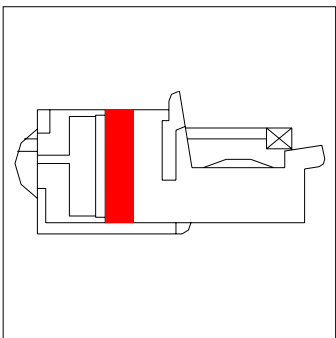


Roof Corrective Action

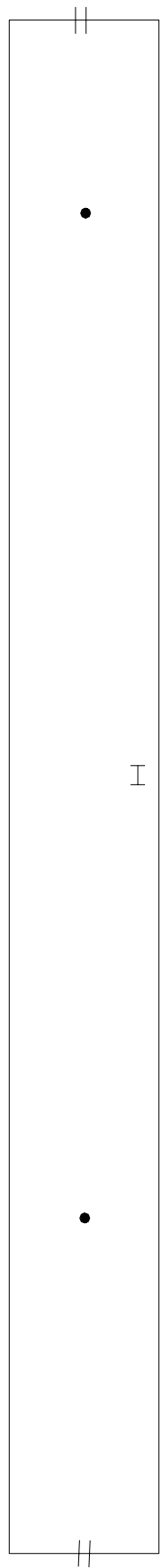


SYMBOLS KEY

- ROOF DRAIN
- VENT STACK
- ① DEFECT-REPAIR
- ⓪ DEFECT-NO REPAIR

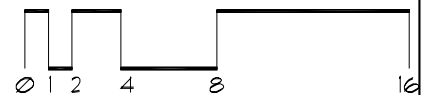
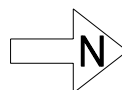
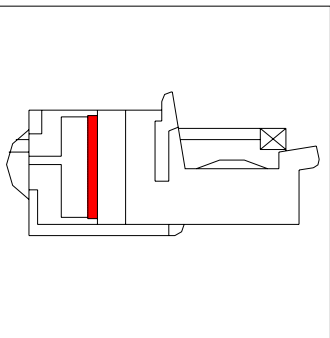


Roof Corrective Action

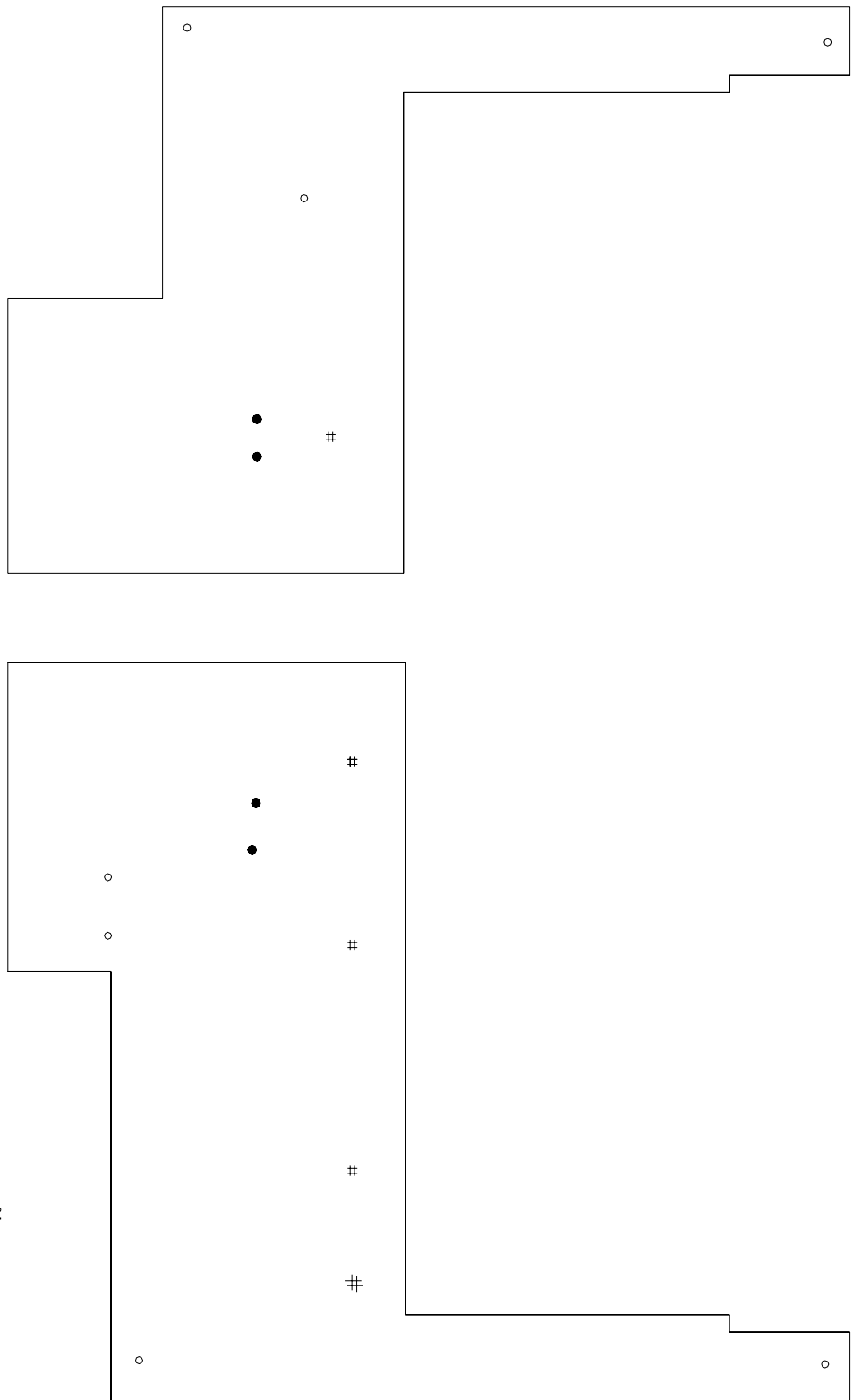


SYMBOLS KEY

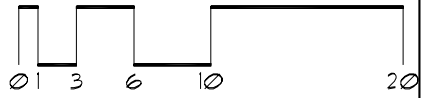
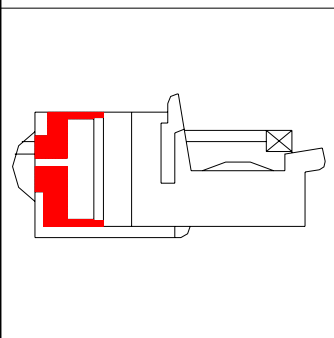
- ROOF DRAIN
- Ⓢ DEFECT-REPAIR



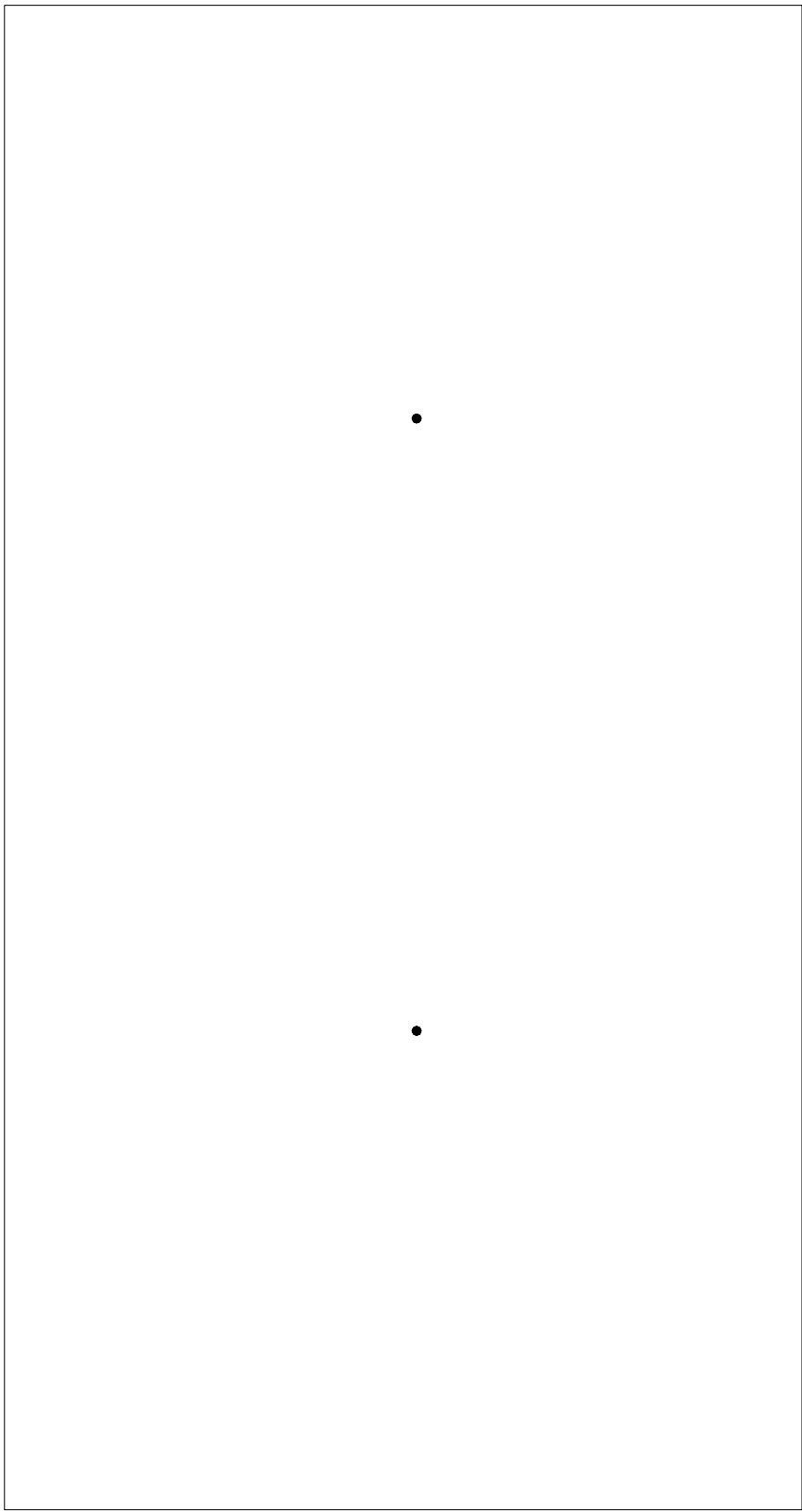
Roof Corrective Action



- SYMBOLS KEY**
- ROOF DRAIN
 - VENT STACK
 - # PITCH PAN
 - Ⓢ DEFECT-REPAIR
 - Ⓢ DEFECT-NO REPAIR

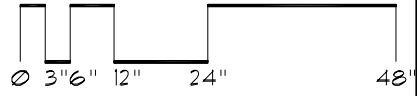
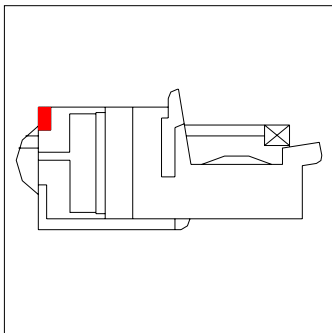


Roof Corrective Action

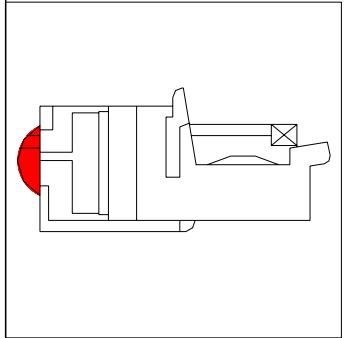
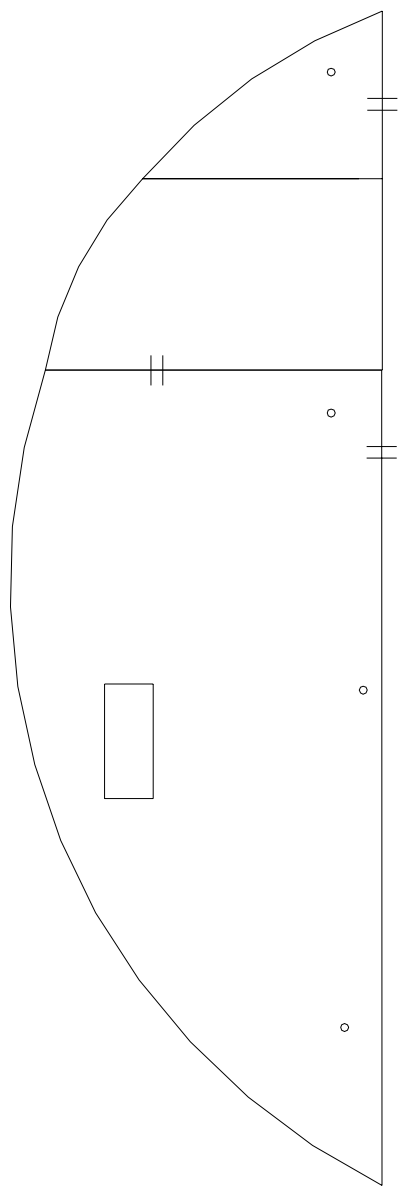


SYMBOLS KEY

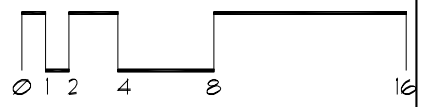
- ROOF DRAIN
- Ⓜ DEFECT-REPAIR



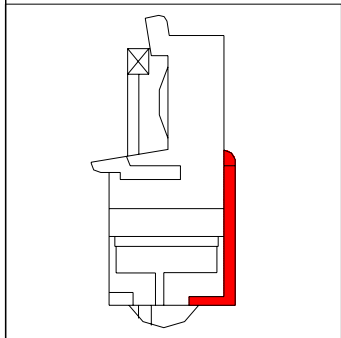
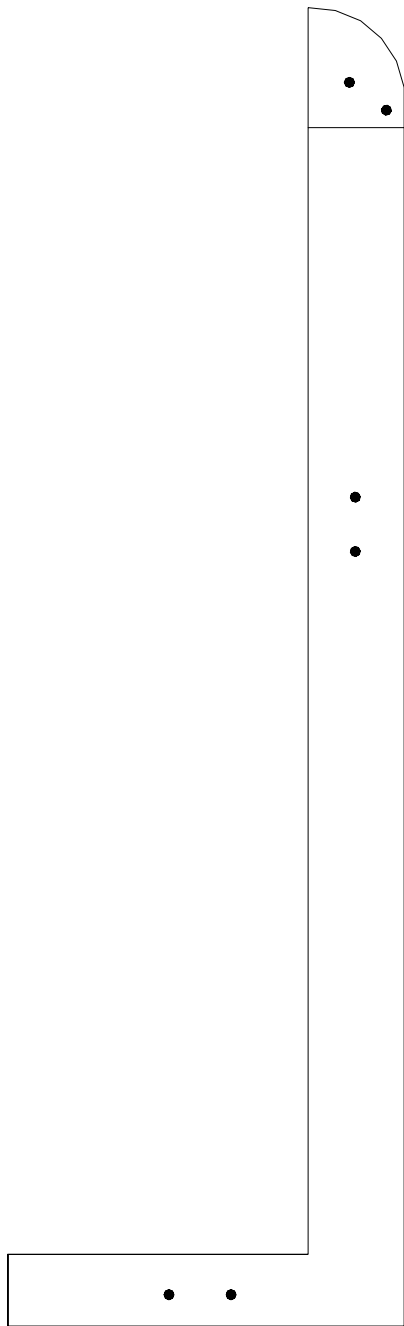
Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - VENT STACK
 - ≡ SCUPPER
 - ① DEFECT-REPAIR

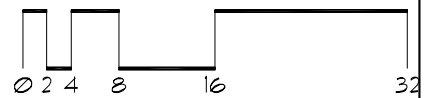


Roof Corrective Action



SYMBOLS KEY

- ROOF DRAIN
- ① DEFECT-NO REPAIR
- ① DEFECT-REPAIR



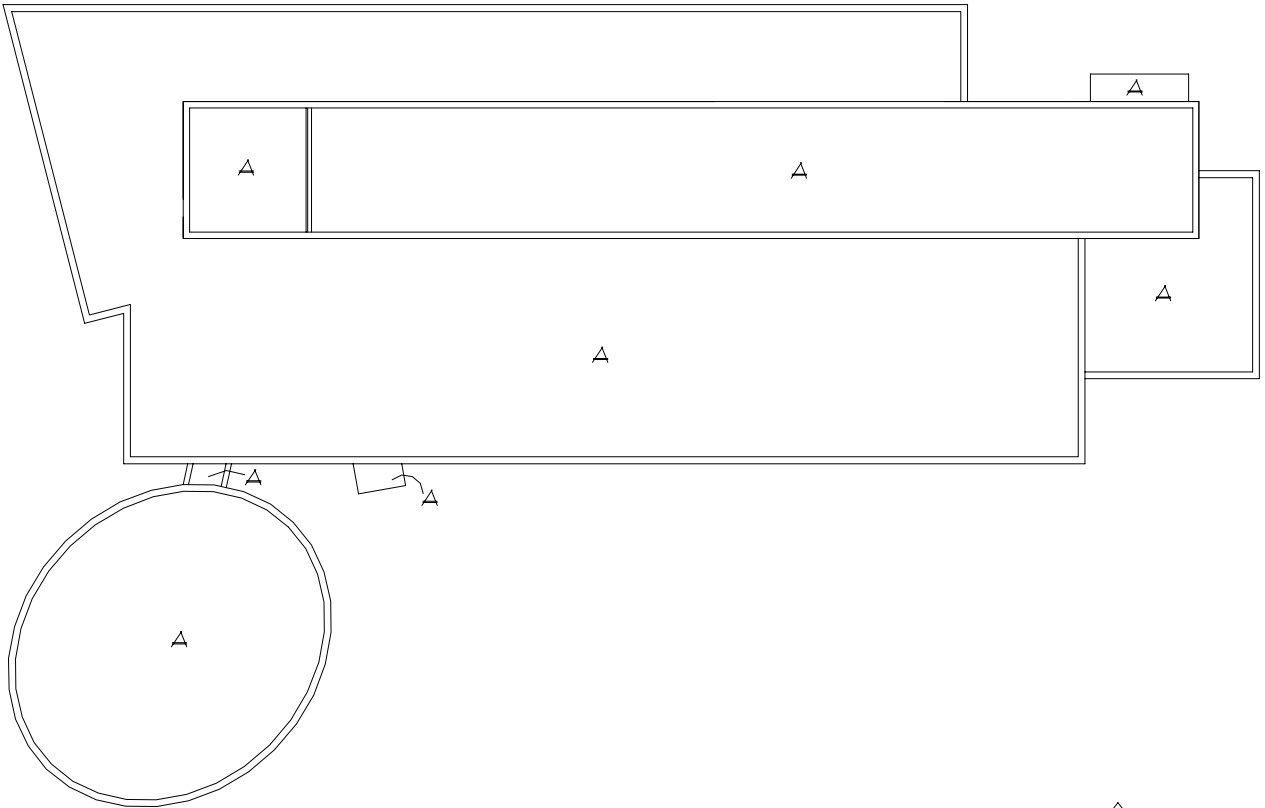
Roof ID

Building: SP439 - Cargill Building - Microbial & Plant Genomics - ()

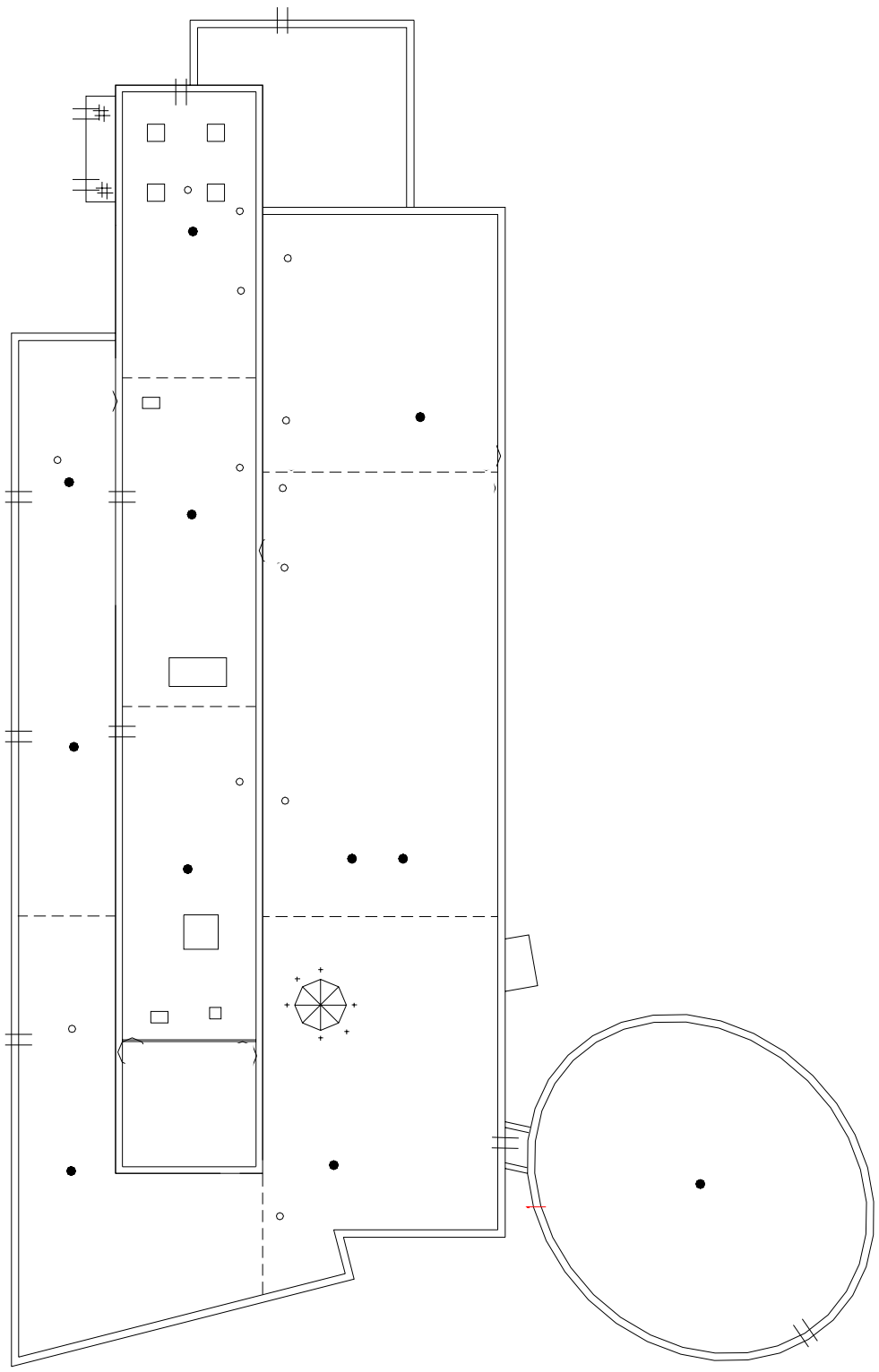
Roof Access: Use 20' ladder minimum to access roof. Roof access from elevator to penthouse door. Use cooling tower ships ladder to access roof.

Total Area: 20,550 sf

A 20,550 sf

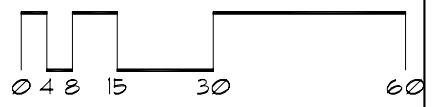


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⊥ SCUPPER
- ⊠ SKYLIGHT
- ⓧ DEFECT-REPAIR
- ⓪ DEFECT-NO REPAIR

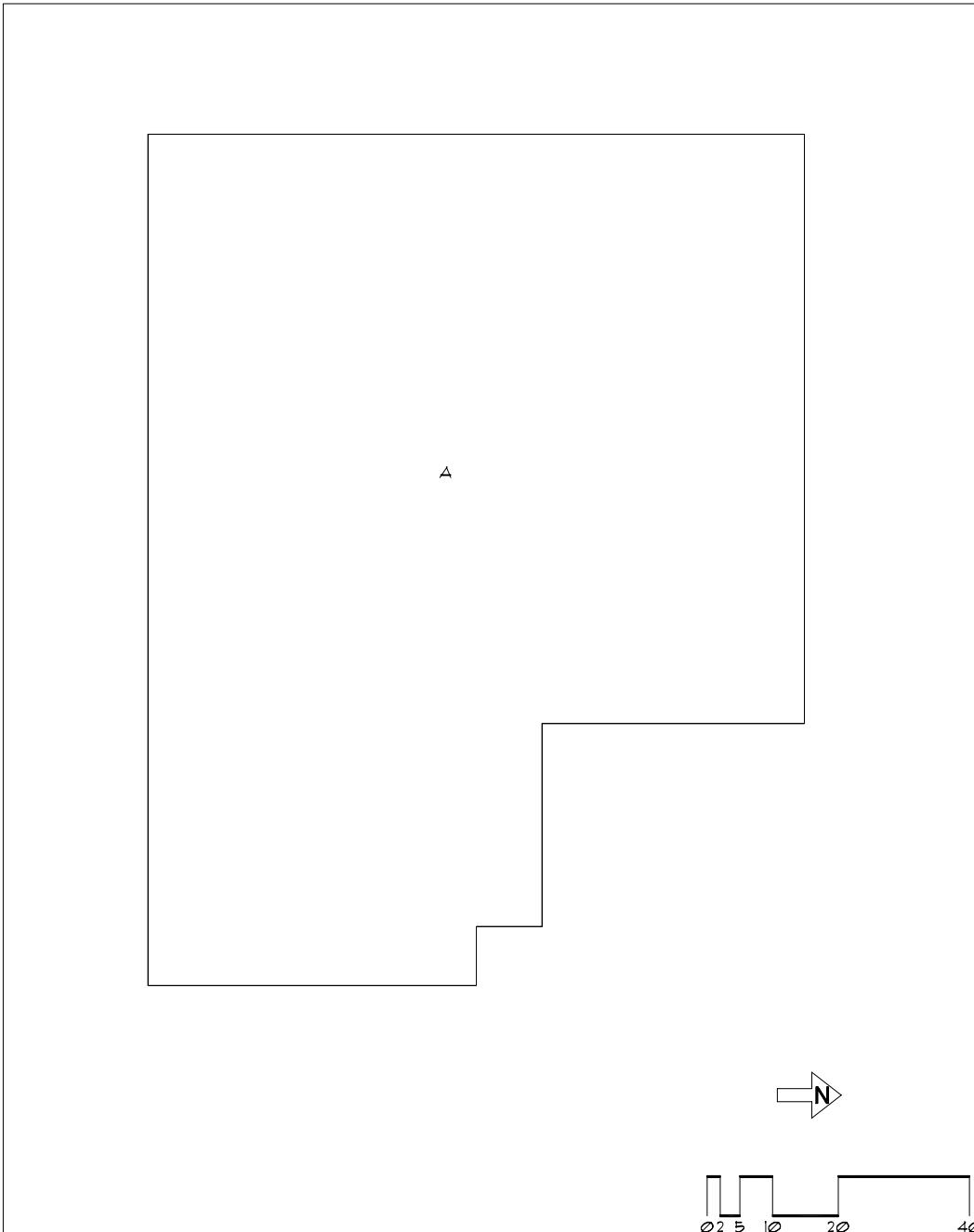


Roof ID

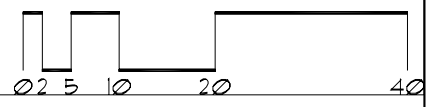
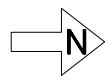
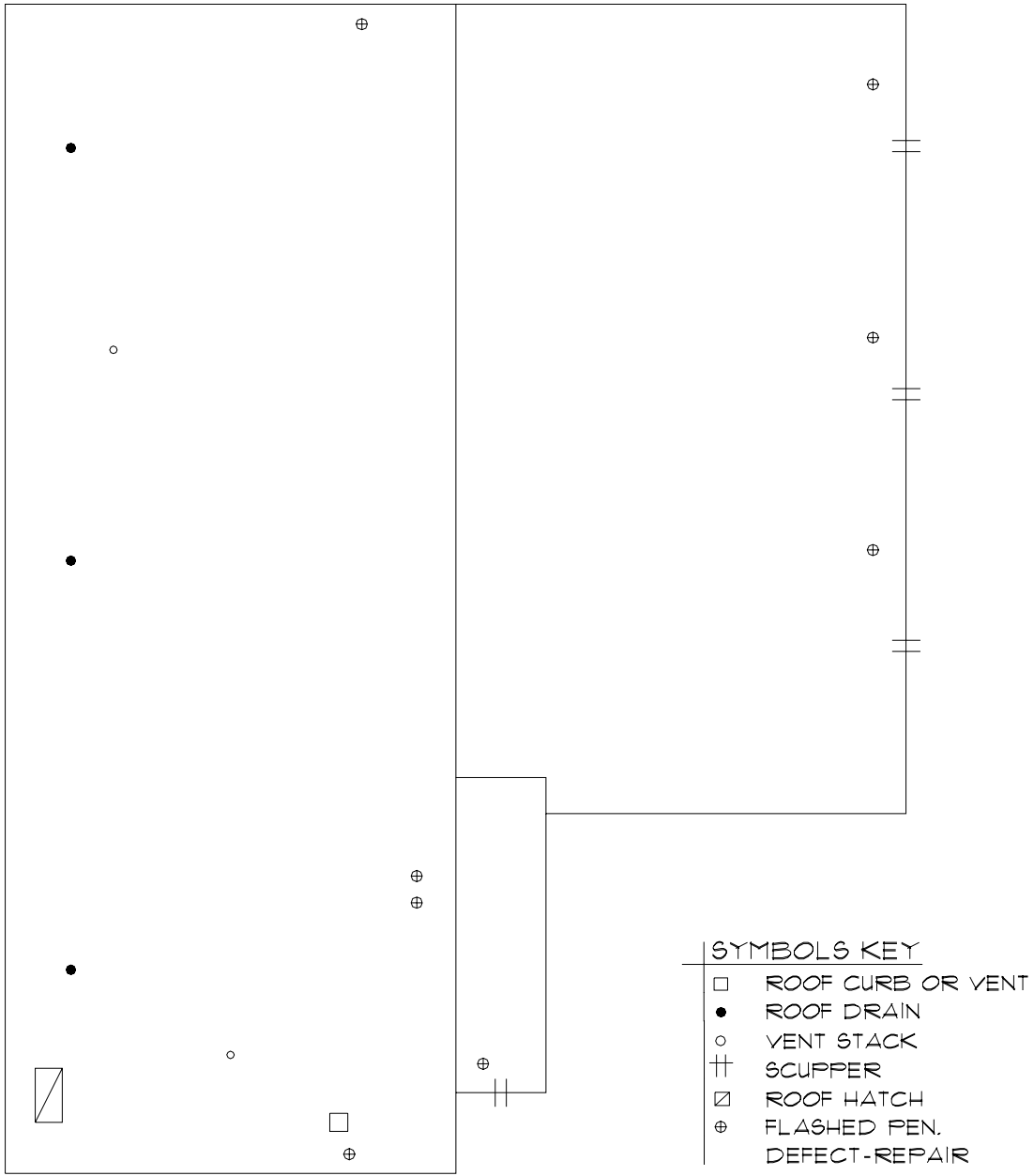
Building: SP445 - Fitch Utility Bldg. - ()

Total Area: 11,350 sf

A 11,350 sf



Roof Corrective Action



Roof ID

Building: SP455 - Swine Research Center - (1850 Buford Place, St. Paul)

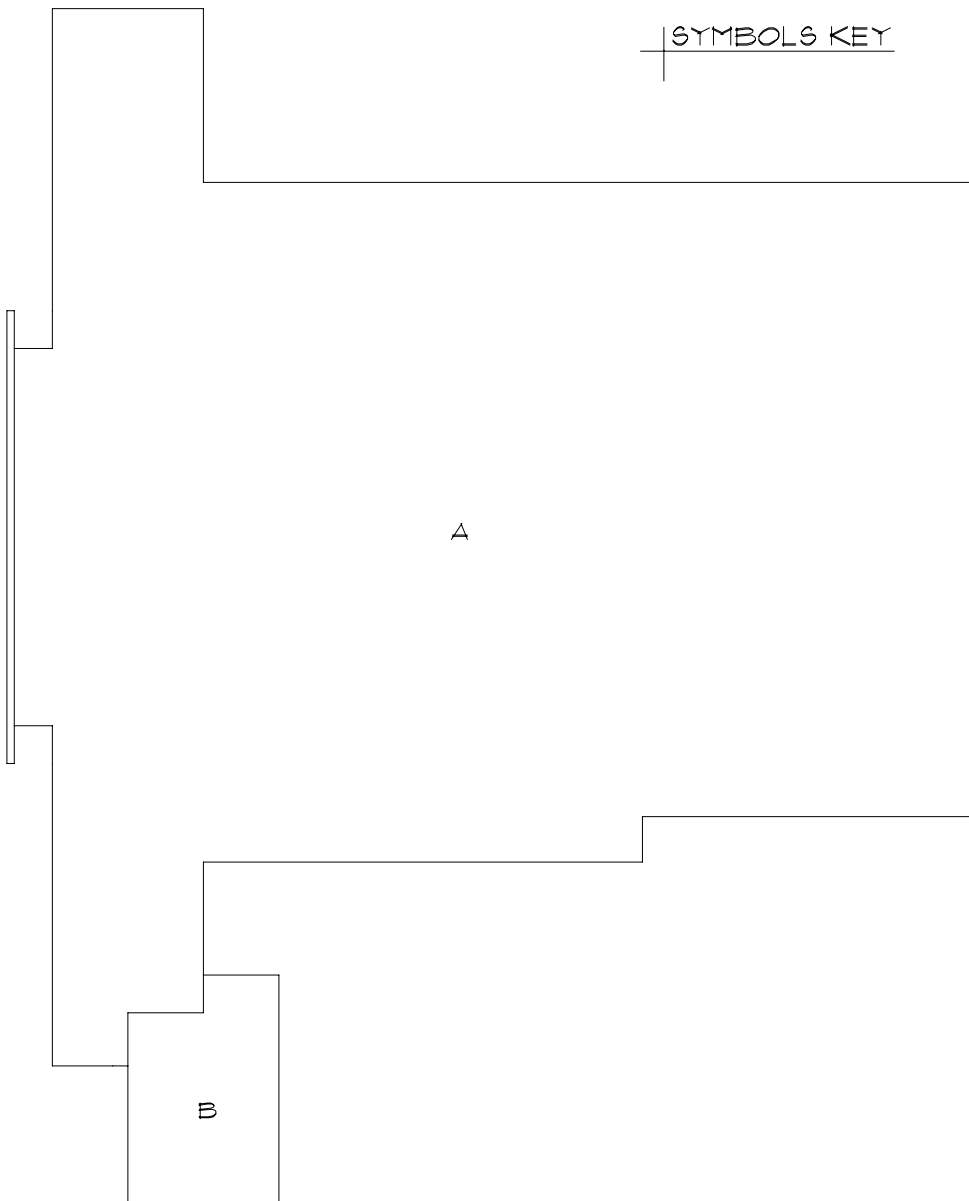
Roof Access: Ladder

Total Area: 13,163 sf

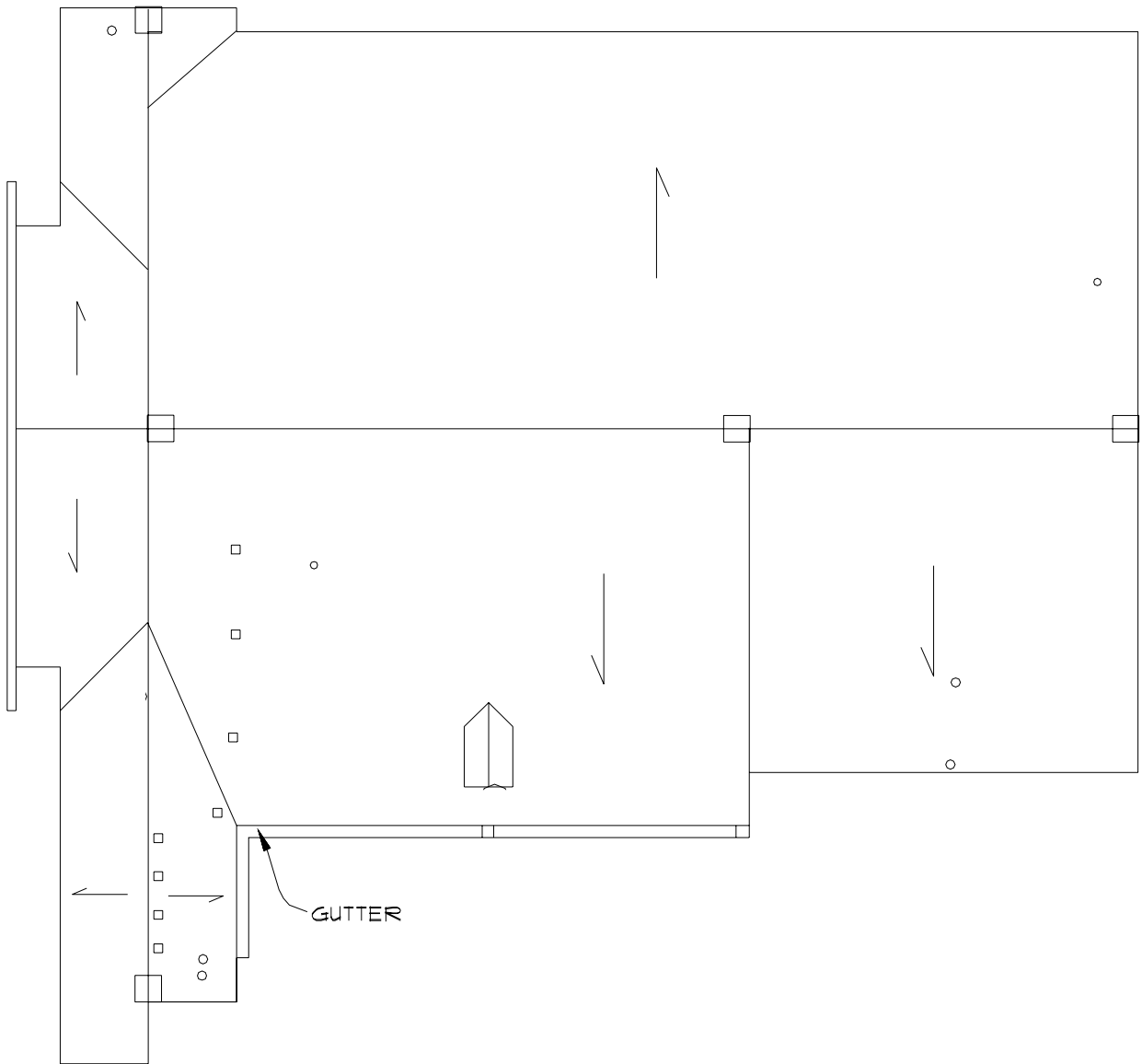
A 12,615 sf

B 548 sf

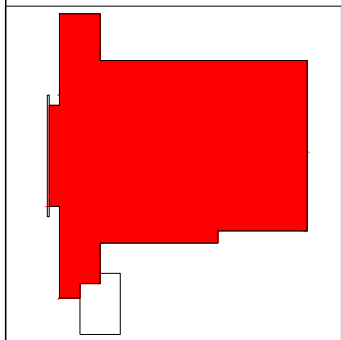
SYMBOLS KEY



Roof Corrective Action

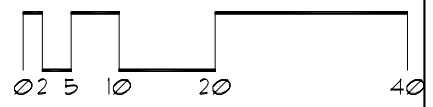


GUTTER

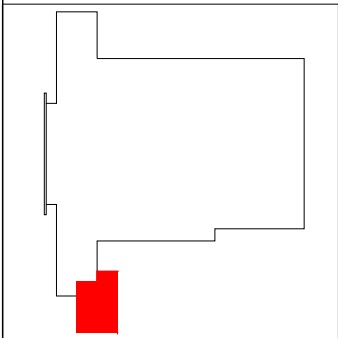
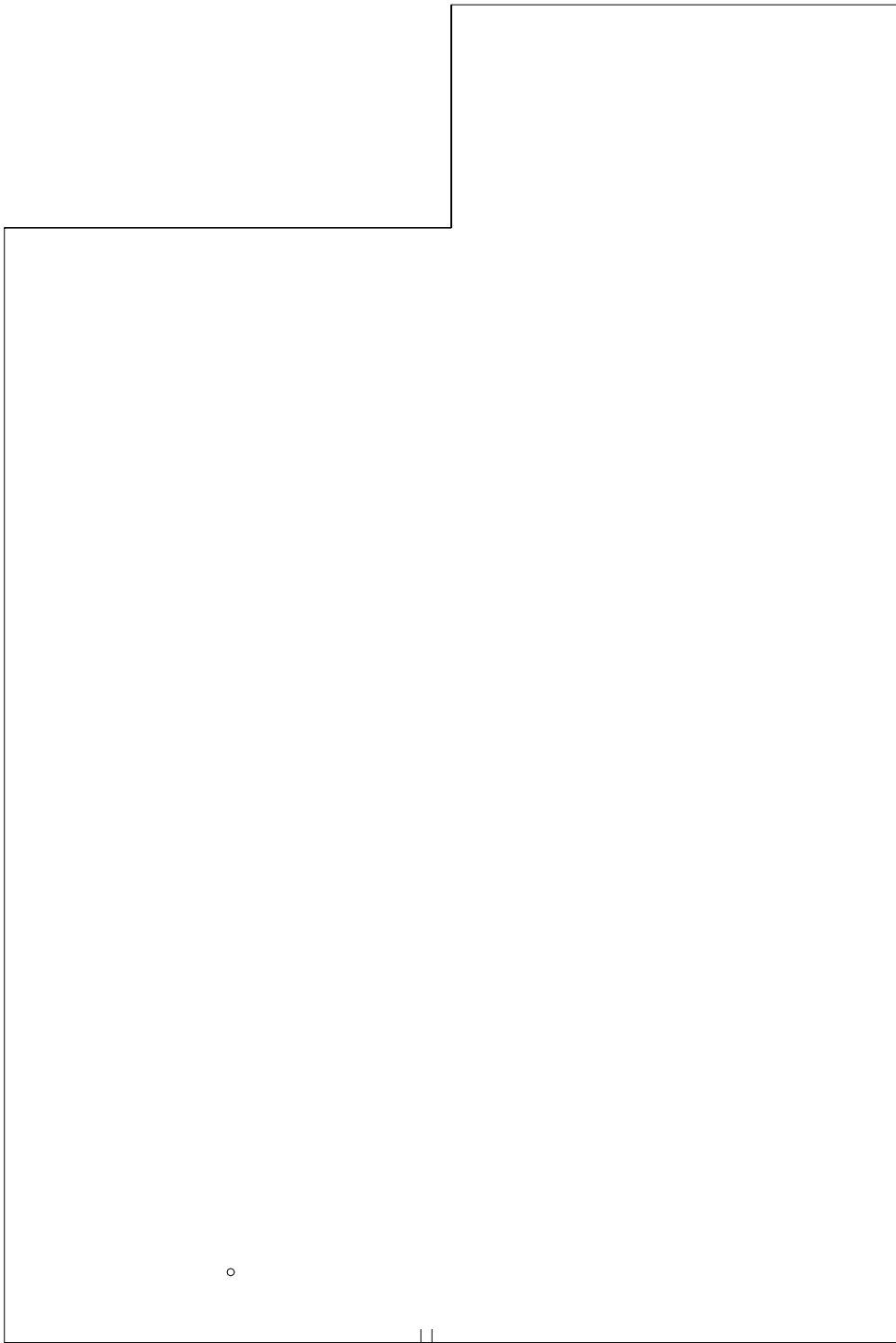


SYMBOLS KEY

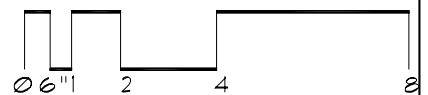
- ROOF CURB
- VENT STACK
- # PITCH PAN
- SLOPE DIRECTION
- ⊖ DEFECT-REPAIR
- ⊕ DEFECT-NO REPAIR



Roof Corrective Action



- SYMBOLS KEY**
- VENT STACK
 - || SCUPPER
 - ⊖ DEFECT-REPAIR
 - ⊕ DEFECT-NO REPAIR



Roof ID

Building: SP456 - Large Animal Shelter - (1907 Carter Ave, St. Paul)

Roof Access: Ladder

Total Area: 19,655 sf

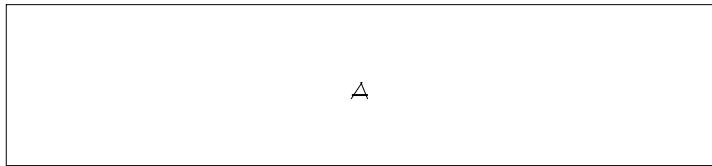
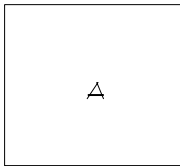
A 12,228 sf

B 415 sf

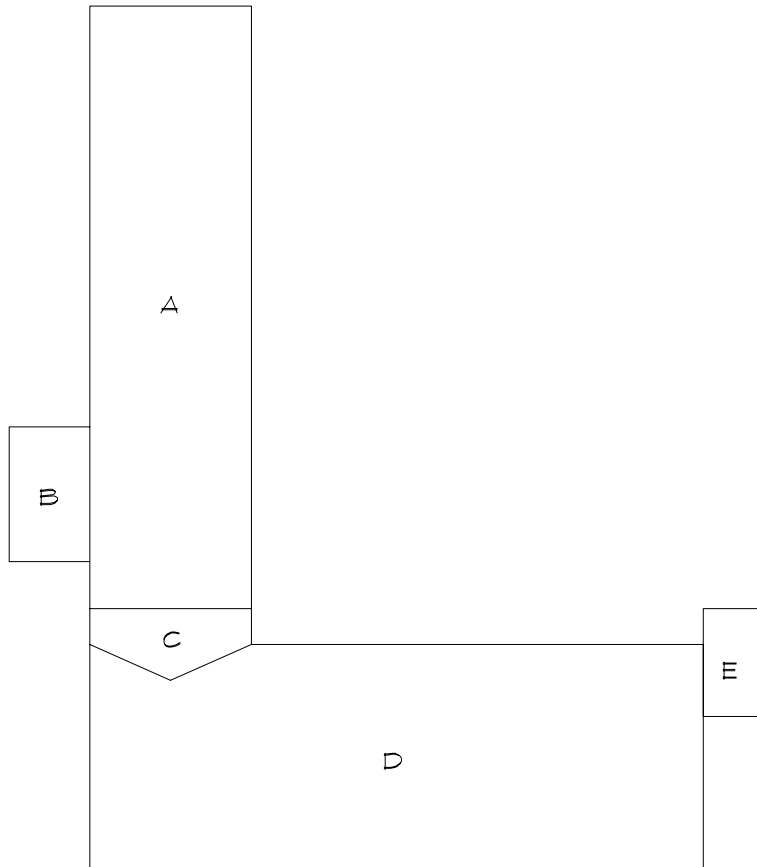
C 432 sf

D 6,256 sf

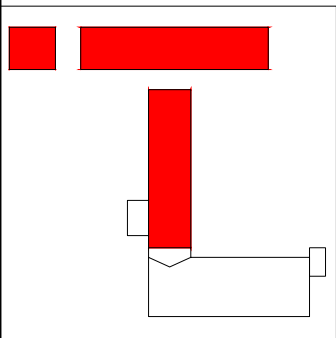
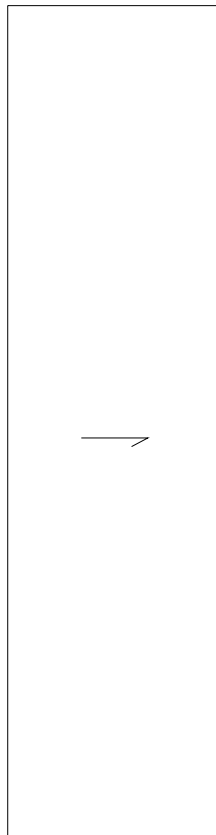
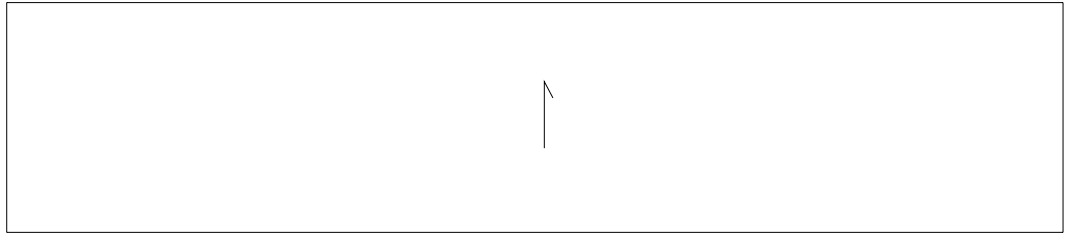
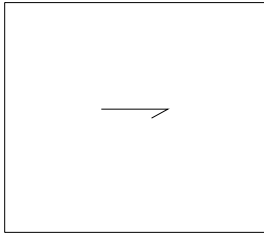
E 324 sf



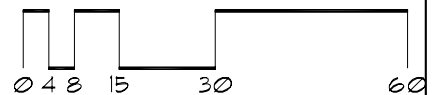
SYMBOLS KEY



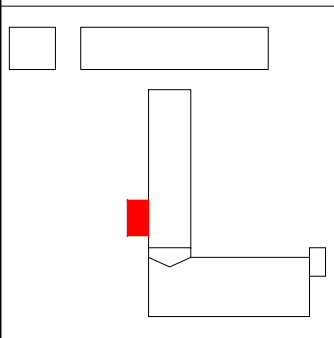
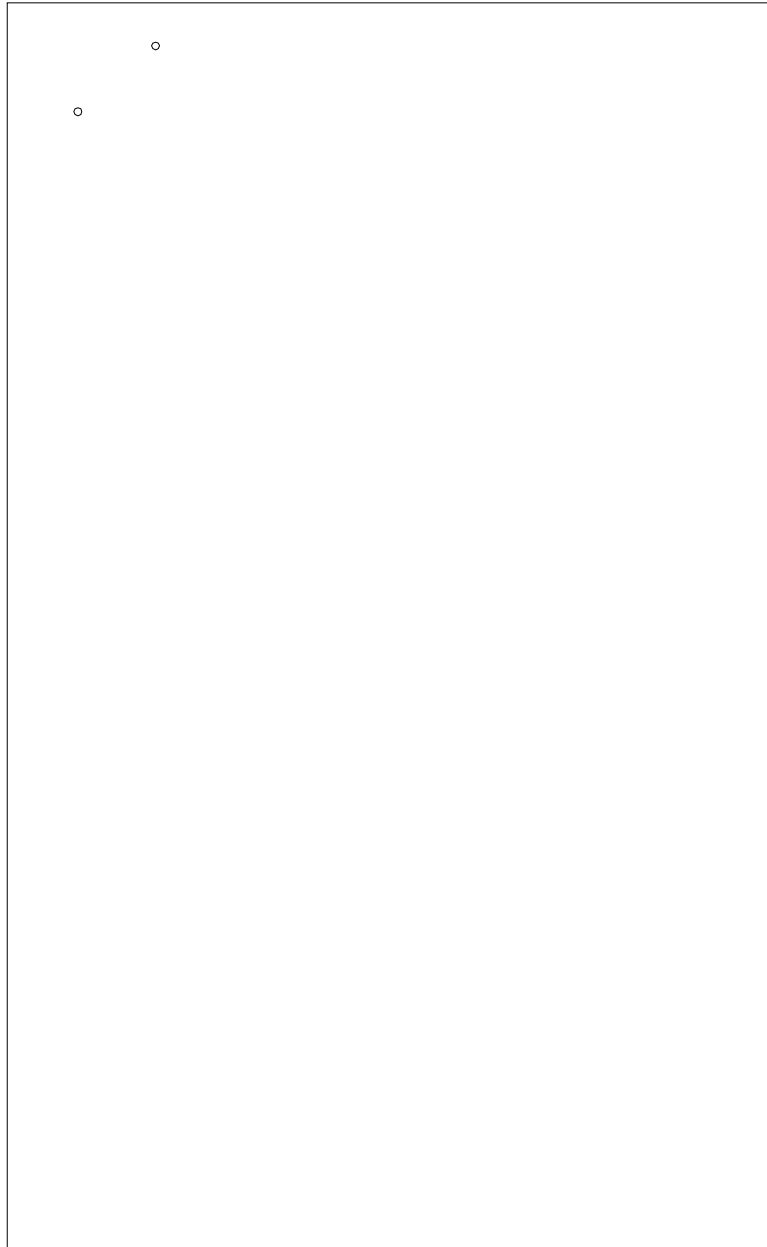
Roof Corrective Action



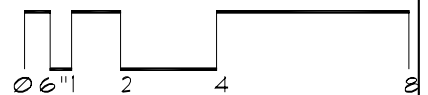
SYMBOLS KEY
→ SLOPE DIRECTION



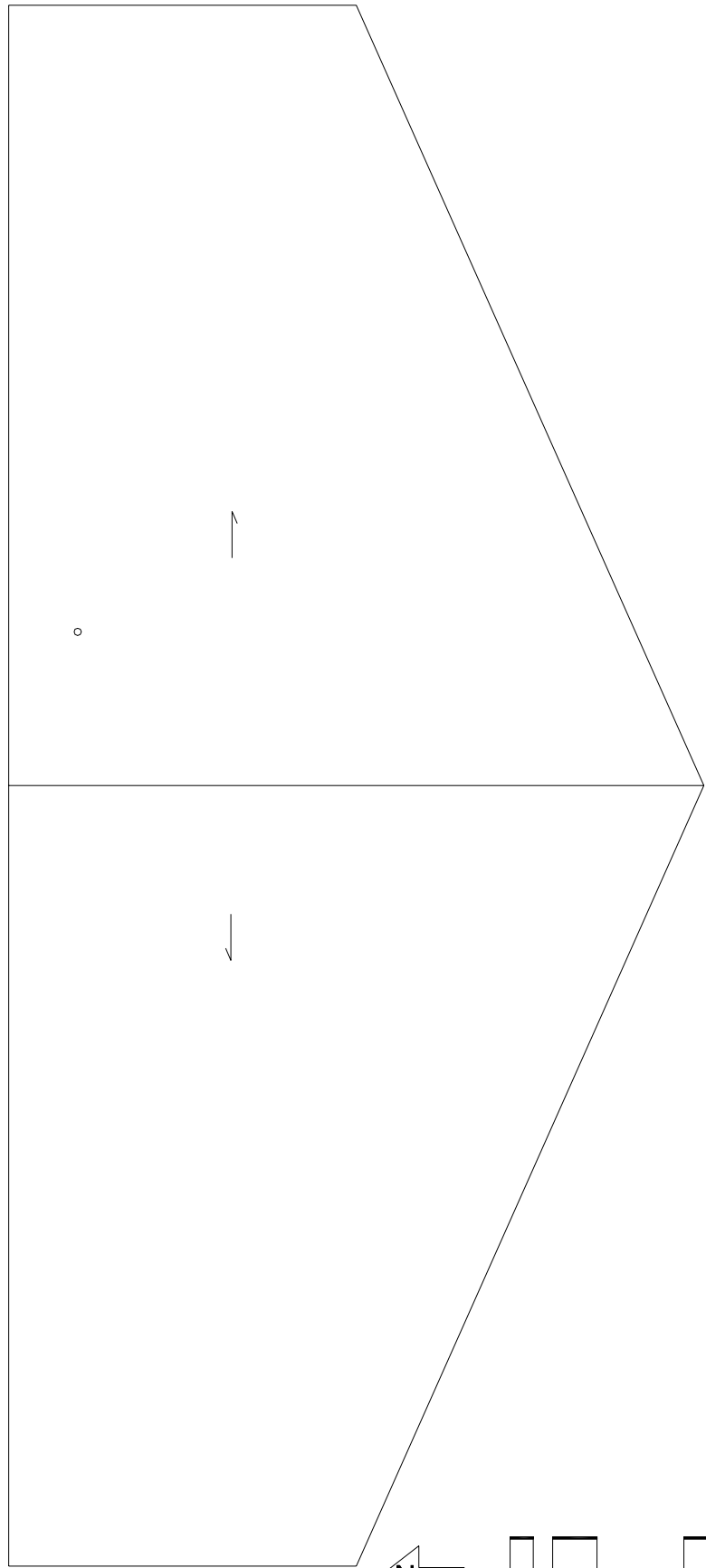
Roof Corrective Action



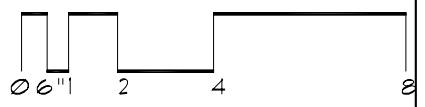
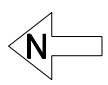
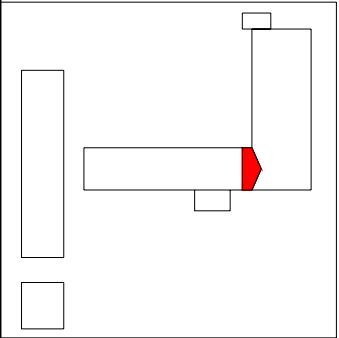
SYMBOLS KEY
○ VENT STACK
① DEFECT-NO REPAIR



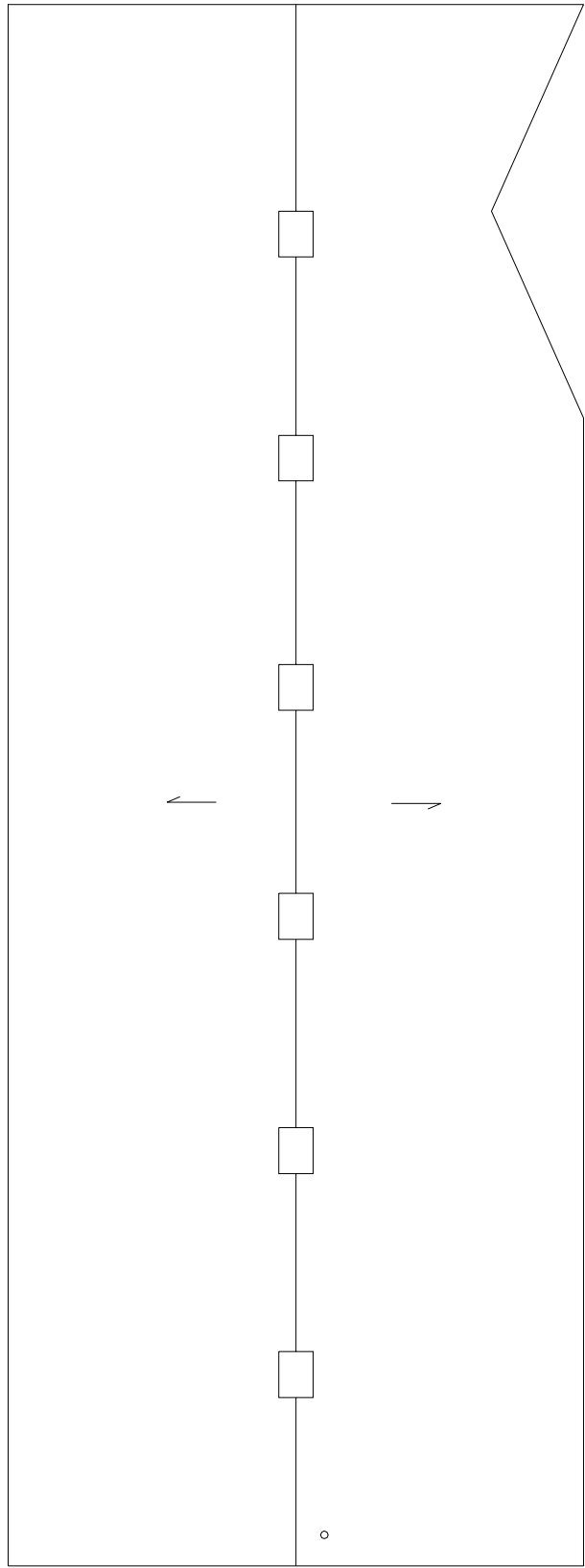
Roof Corrective Action



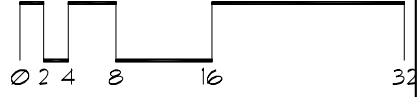
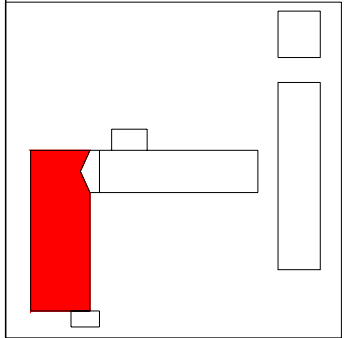
SYMBOLS KEY
○ VENT STACK
→ SLOPE DIRECTION



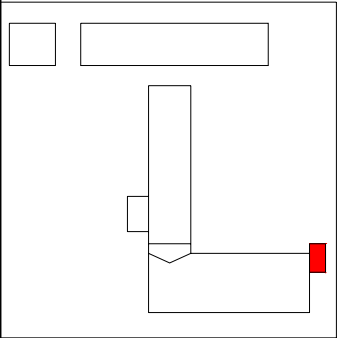
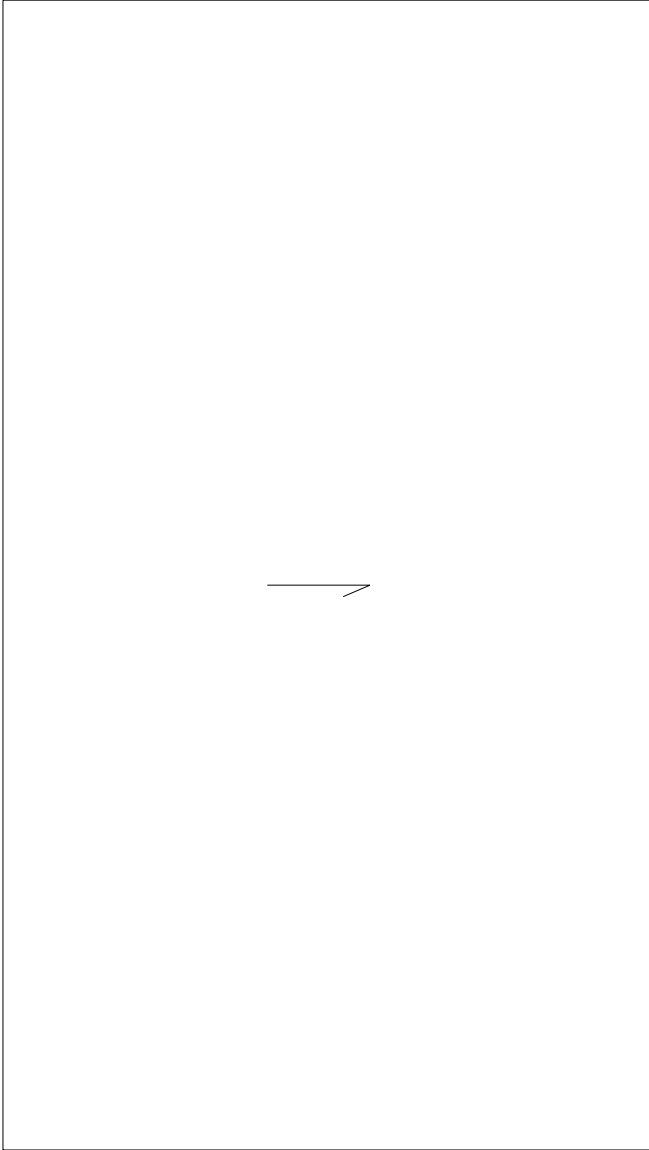
Roof Corrective Action



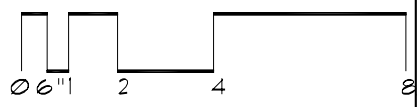
- SYMBOLS KEY**
- ROOF CURB
 - VENT STACK
 - SLOPE DIRECTION



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION



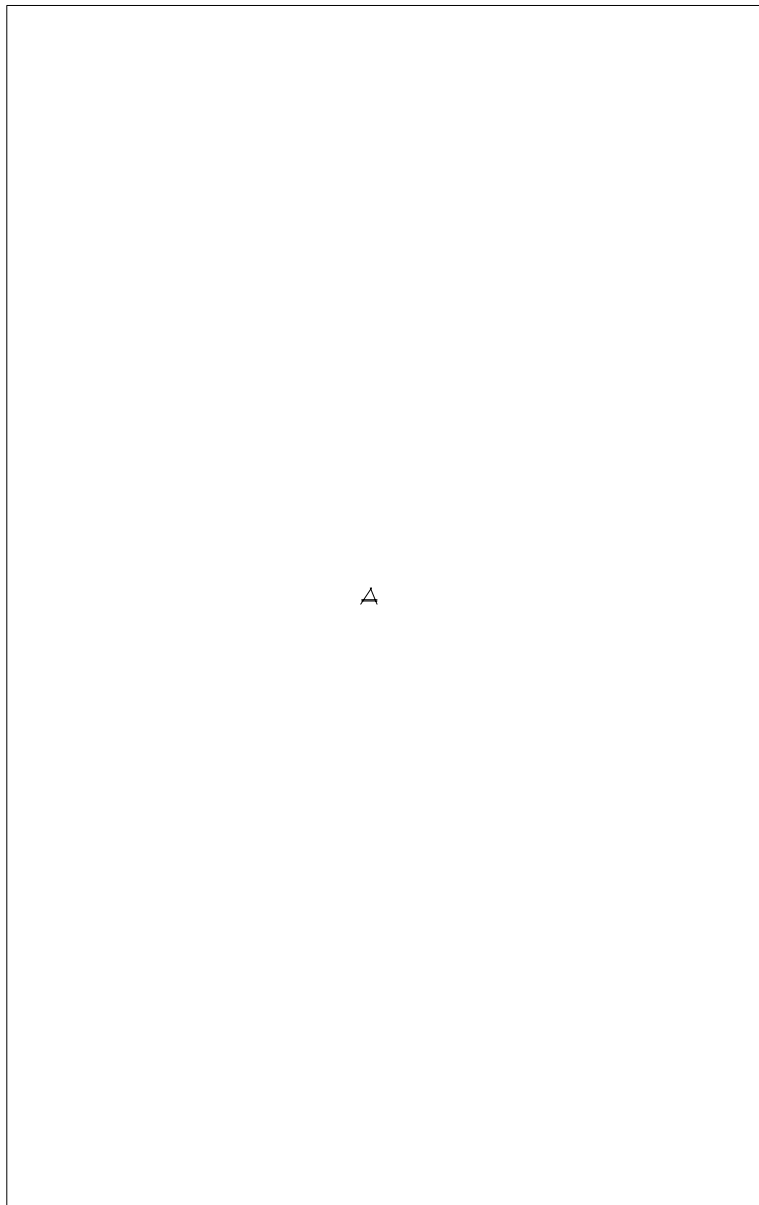
Roof ID

Building: SP463 - Poultry Teaching and Research - (1835 Buford Place)

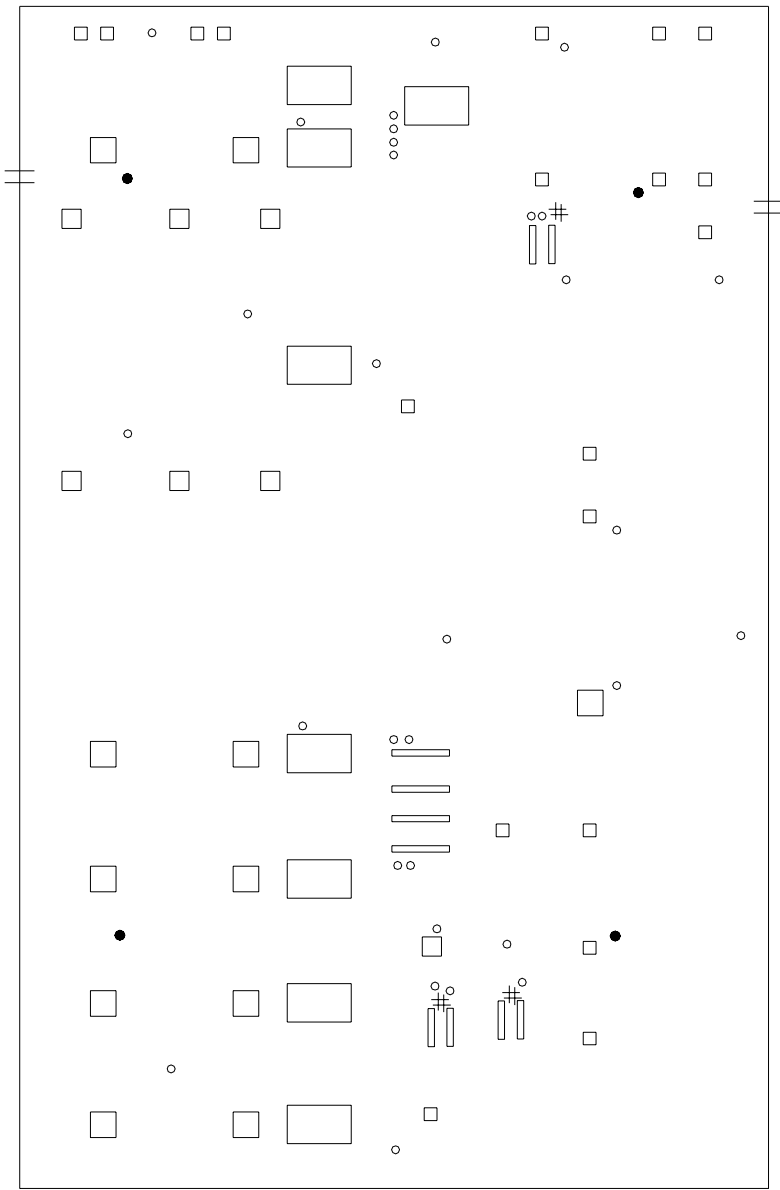
Roof Access: Ladder

Total Area: 21,645 sf

A 21,645 sf

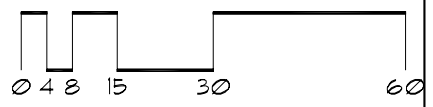


Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- ≡ SLEEPER CURB
- † SCUPPER
- Ⓢ DEFECT-REPAIR



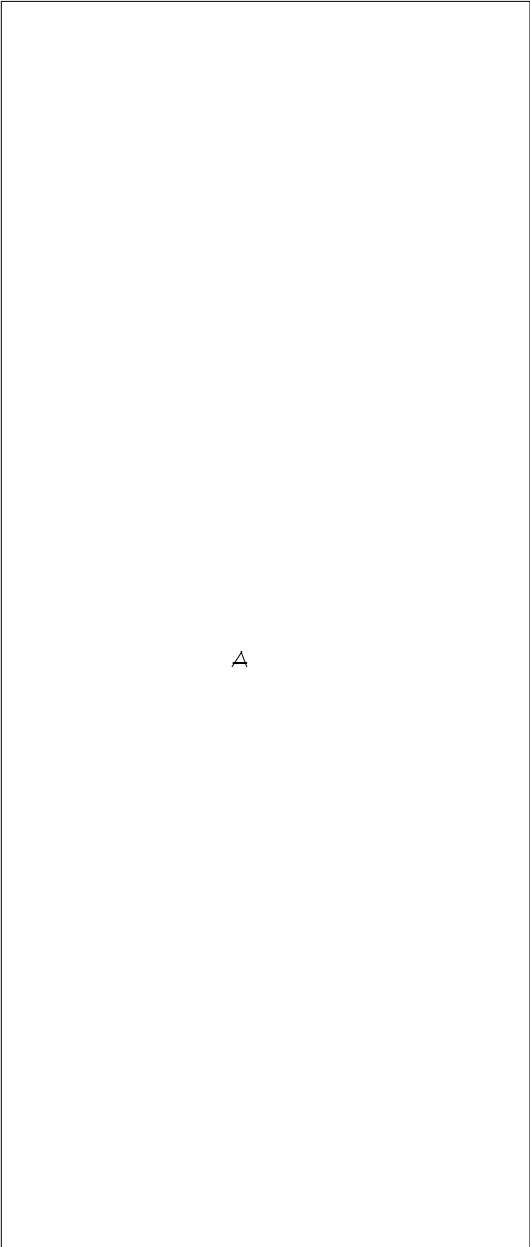
Roof ID

Building: SP468 - Breeding House - (1825 Bufourd Ave St. Paul)

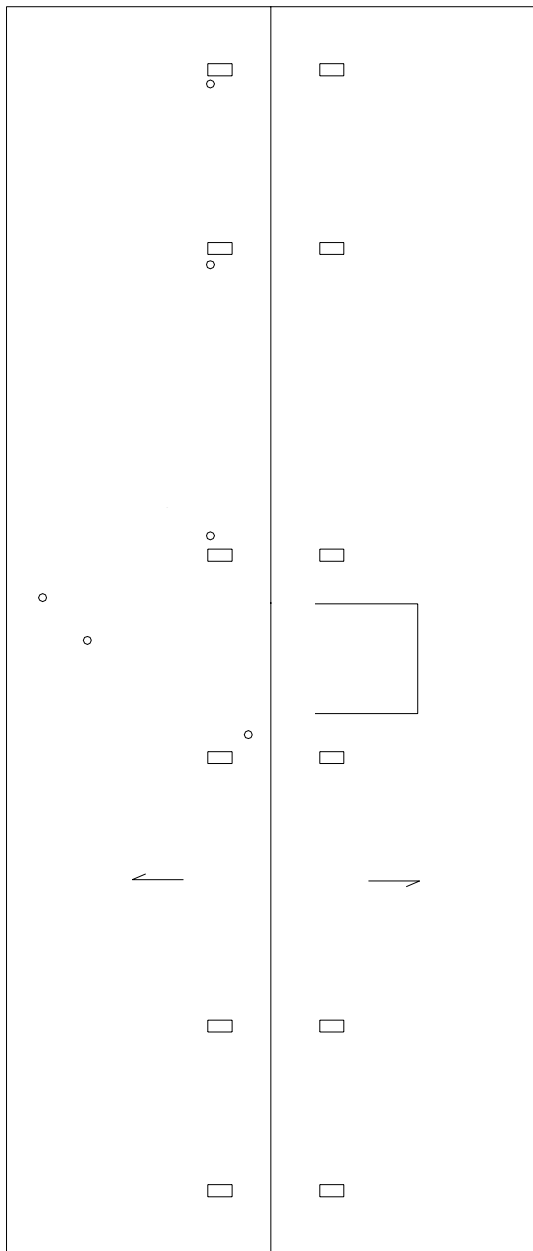
Roof Access: Ladder

Total Area: 4,576 sf

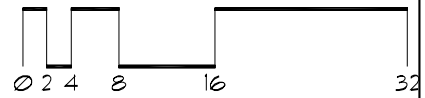
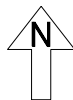
A 4,576 sf



Roof Corrective Action



- SYMBOLS KEY**
- ROOF CURB
 - VENT STACK
 - SLOPE DIRECTION
 - ① DEFECT-NO REPAIR



Roof ID

Building: SP471 - Seed Stocks - (1904 Hendon Ave, St. Paul)

Roof Access: Ladder

Total Area: 2,995 sf

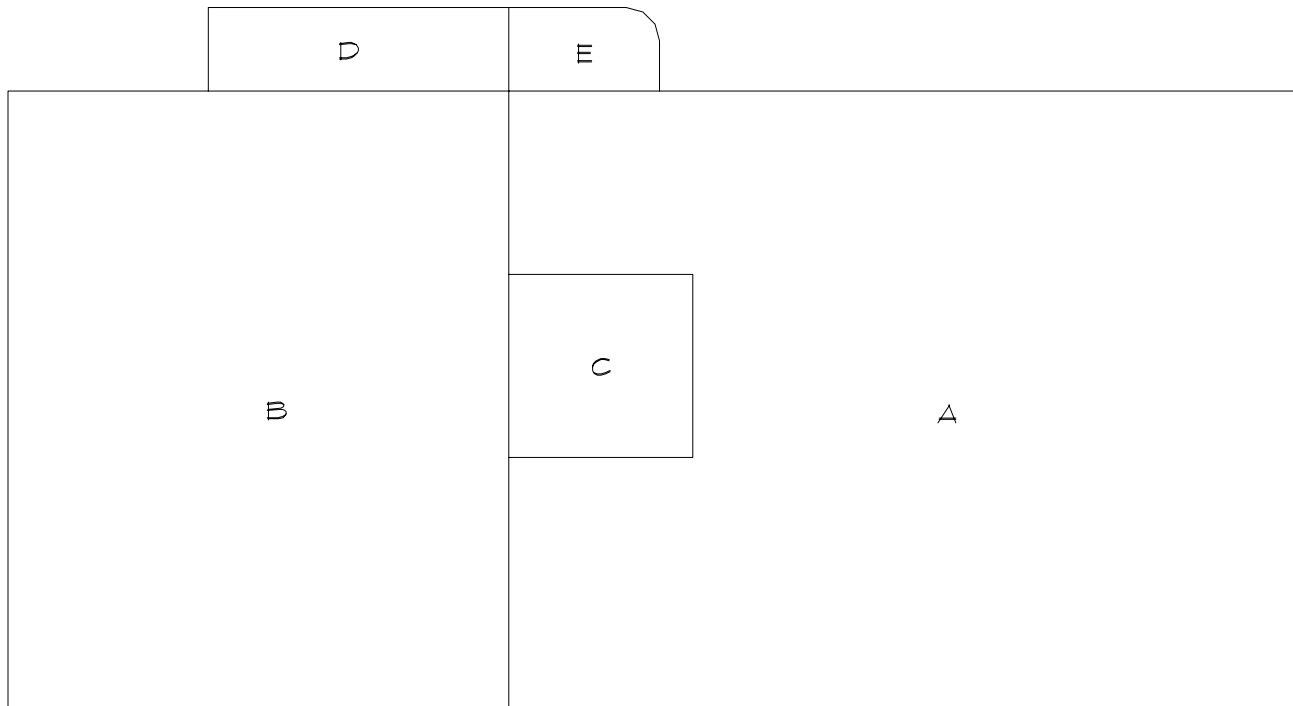
A 1,629 sf

B 1,110 sf

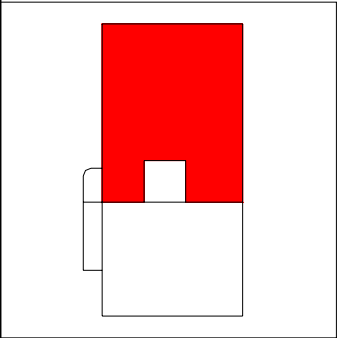
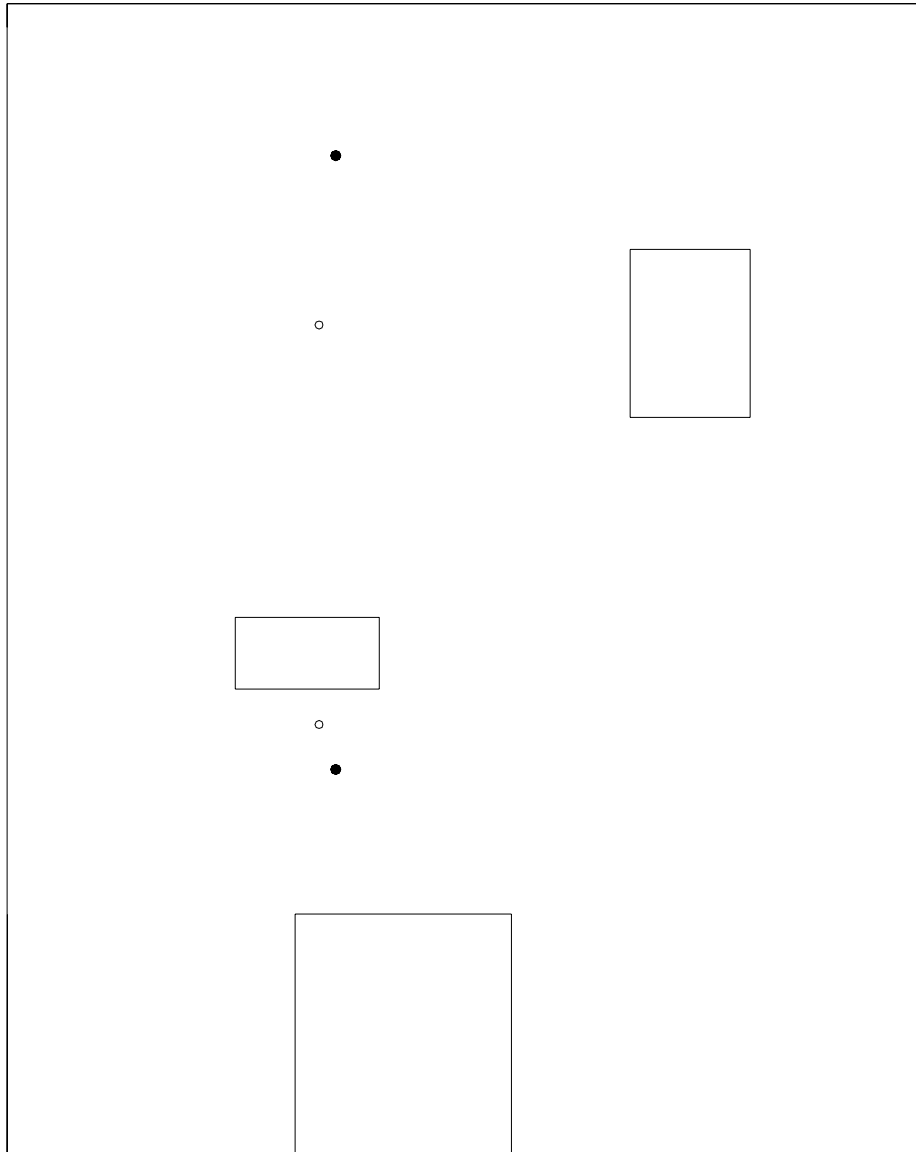
C 121 sf

D 90 sf

E 45 sf

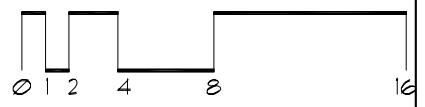


Roof Corrective Action

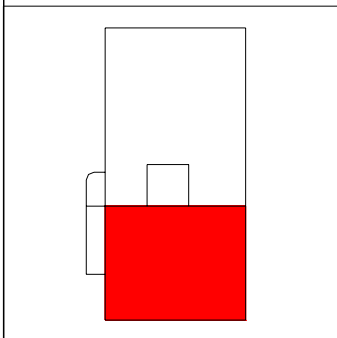
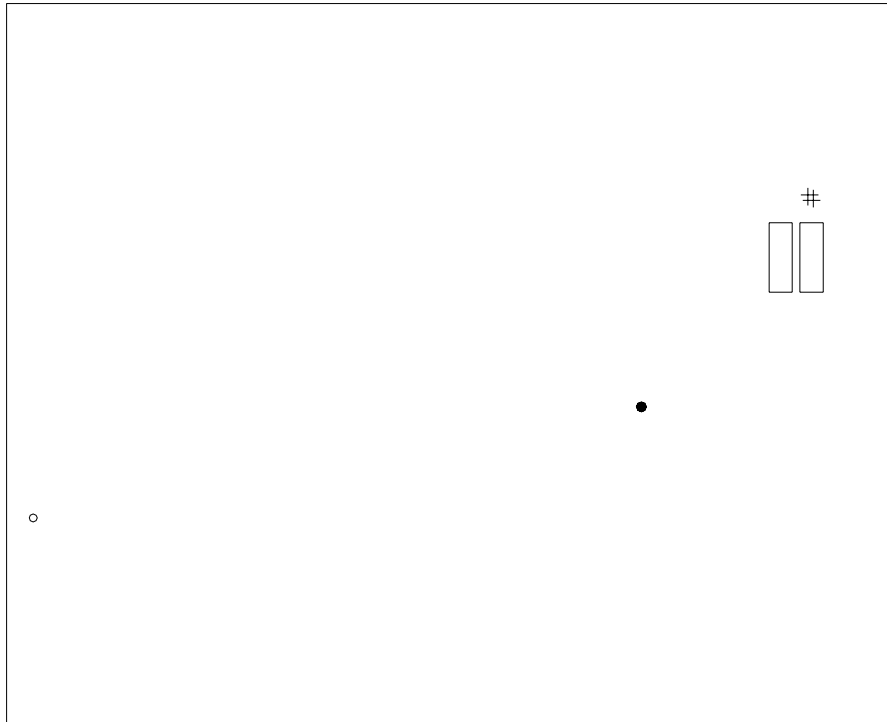


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ⓪ DEFECT-NO REPAIR
- Ⓢ DEFECT-REPAIR

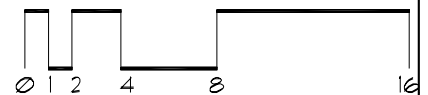


Roof Corrective Action

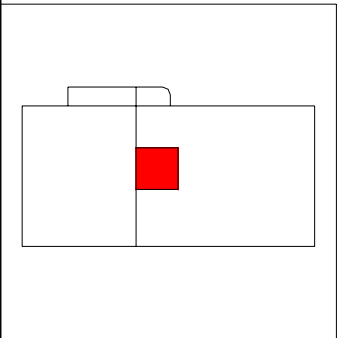
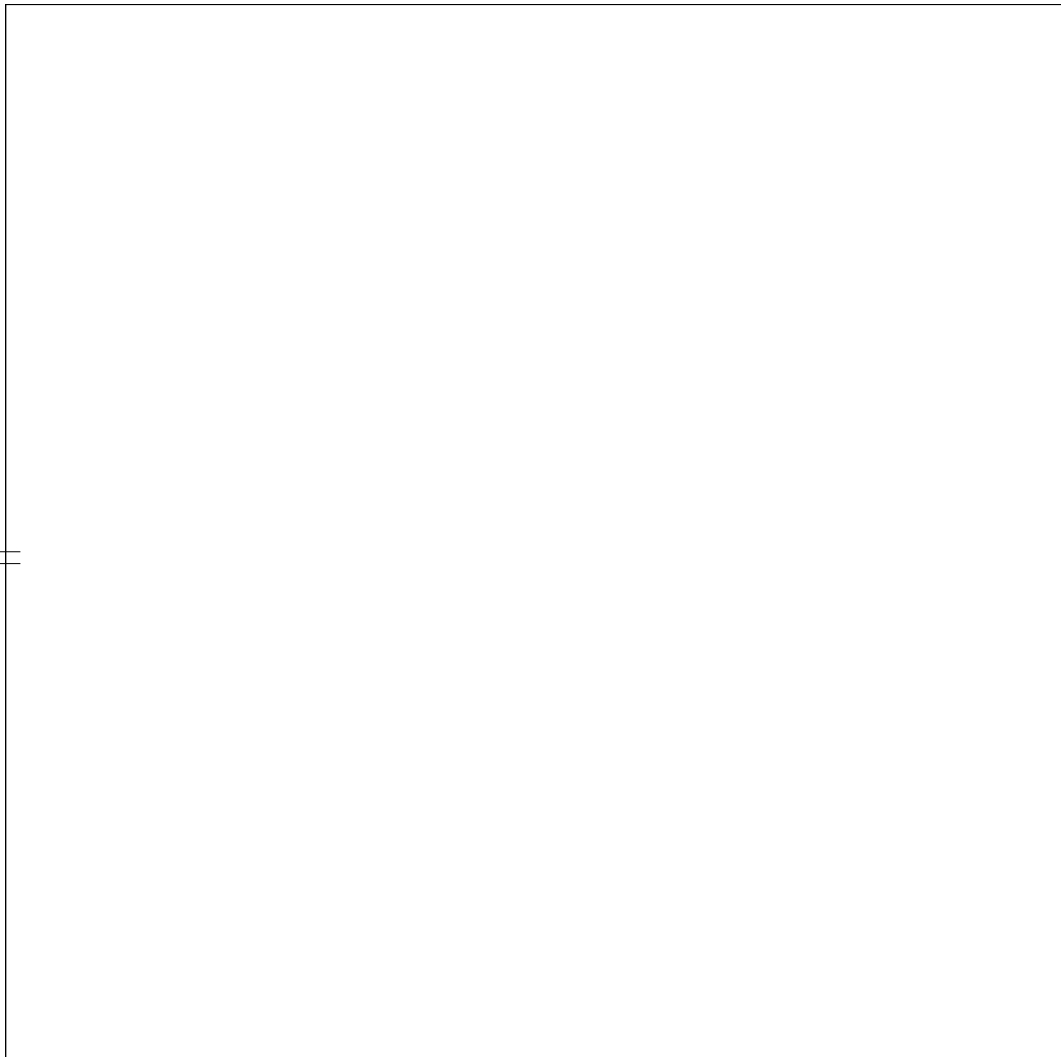


SYMBOLS KEY

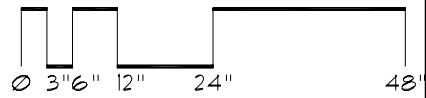
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- # PITCH PAN
- Ⓢ DEFECT-REPAIR



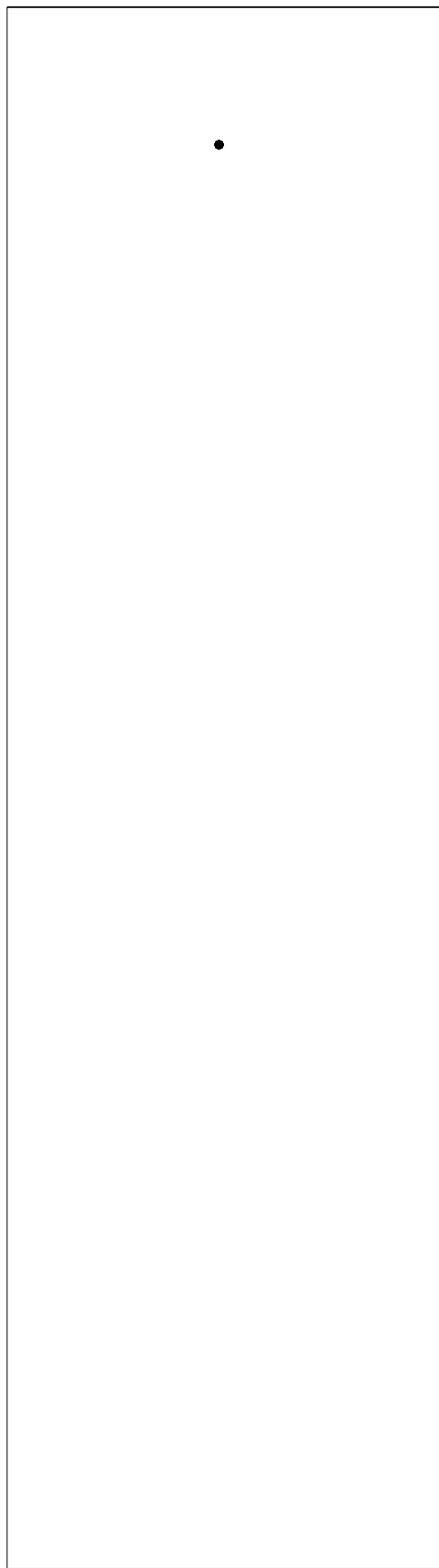
Roof Corrective Action



SYMBOLS KEY
|| SCUPPER

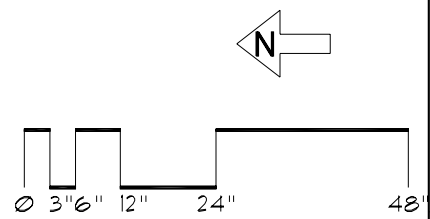
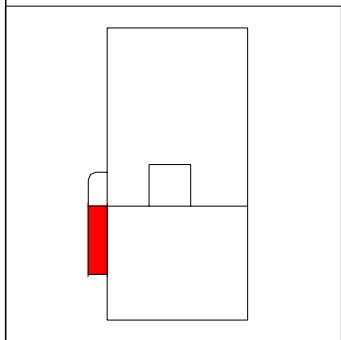


Roof Corrective Action

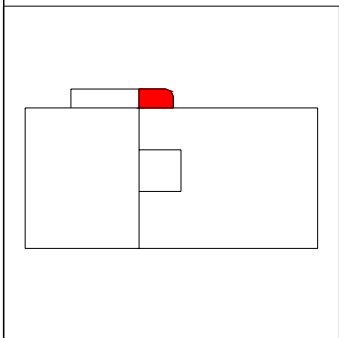
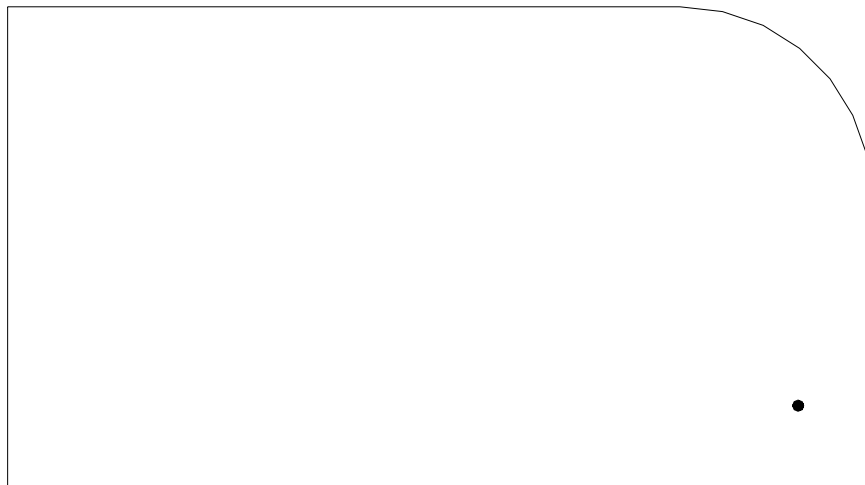


SYMBOLS KEY

- ROOF DRAIN
- ⓪ DEFECT-NO REPAIR

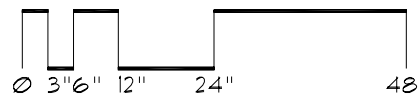


Roof Corrective Action



SYMBOLS KEY

- ROOF DRAIN
- ⓪ DEFECT-NO REPAIR



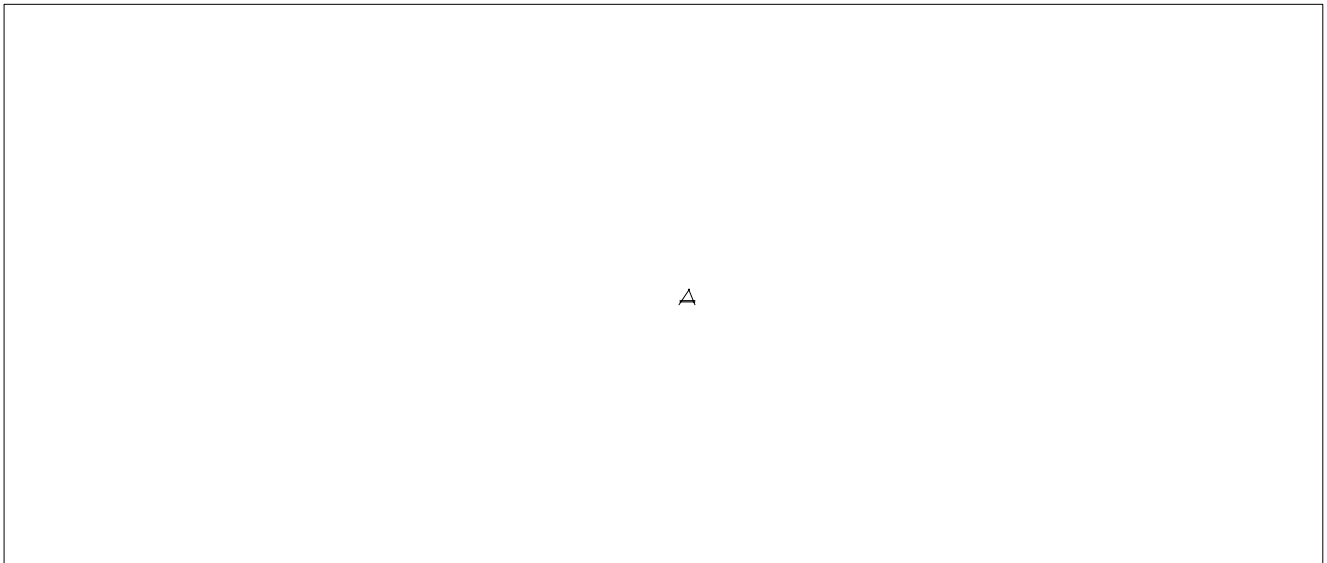
Roof ID

Building: SP472 - Seed Storage South - (1914 Hendon Ave, St. Paul)

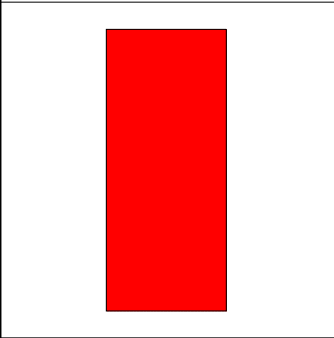
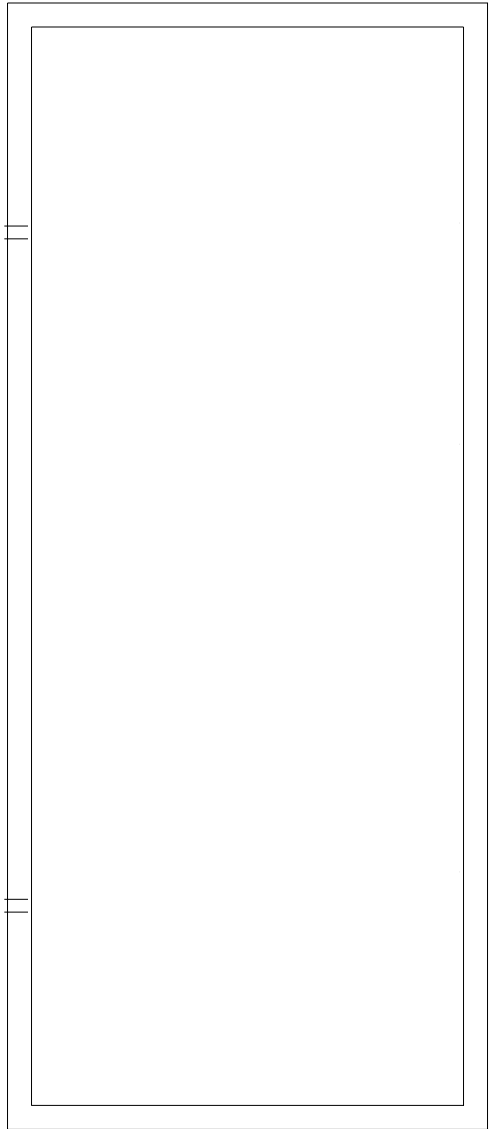
Roof Access: Ladder

Total Area: 940 sf

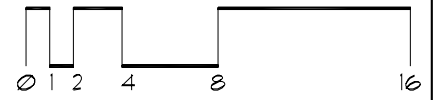
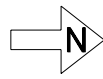
A 940 sf



Roof Corrective Action



SYMBOLS KEY
† SCUPPER
⓪ DEFECT-NO REPAIR



Roof ID

Building: SP473 - Seed Storage North - (1912 Hendon Ave, St. Paul)

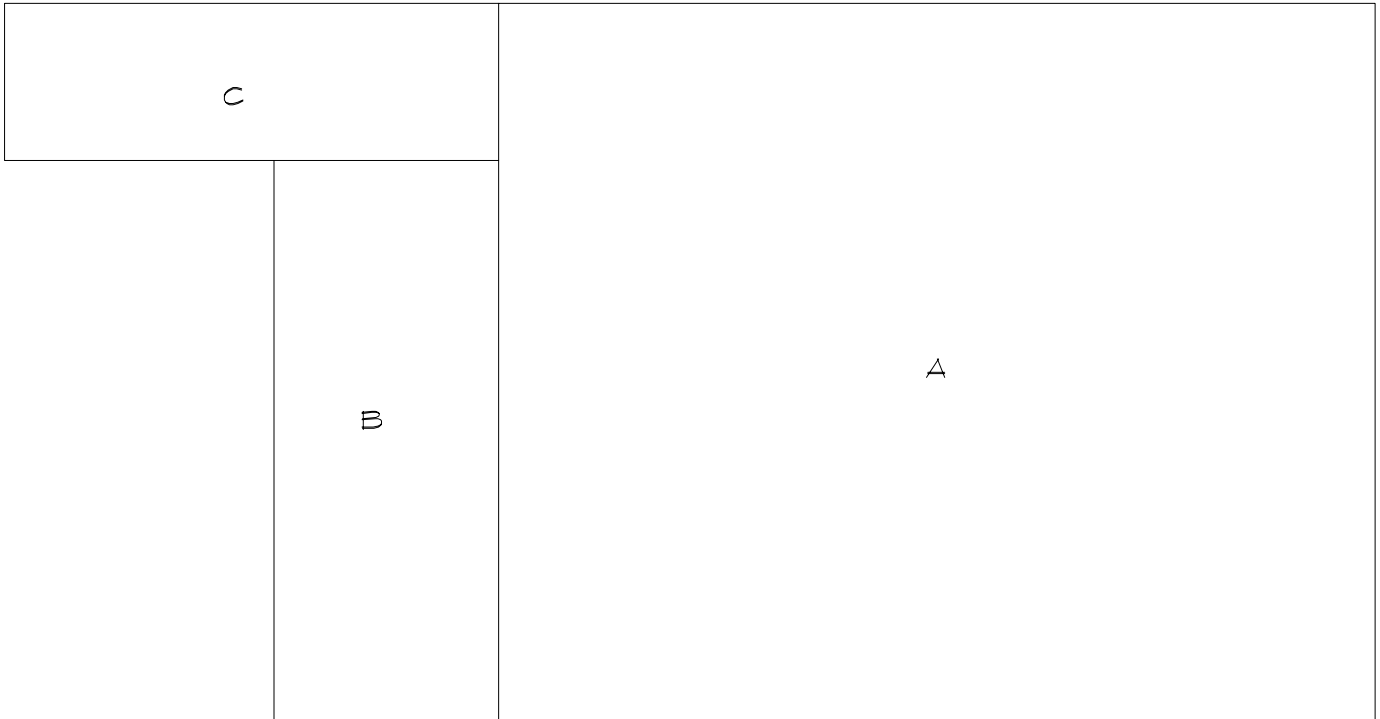
Roof Access: Ladder

Total Area: 1,630 sf

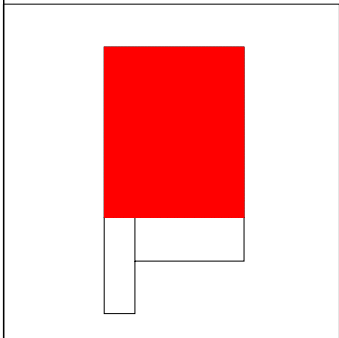
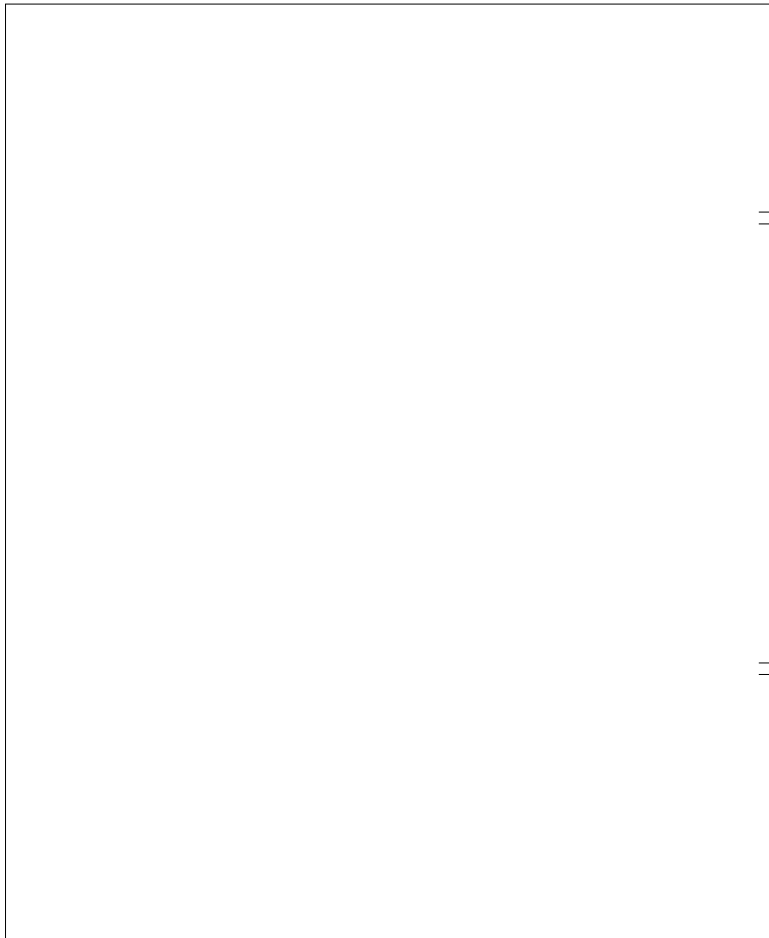
A 1,248 sf

B 250 sf

C 132 sf

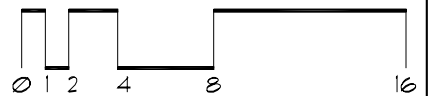


Roof Corrective Action

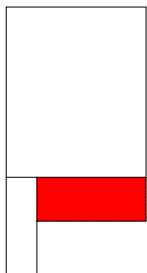
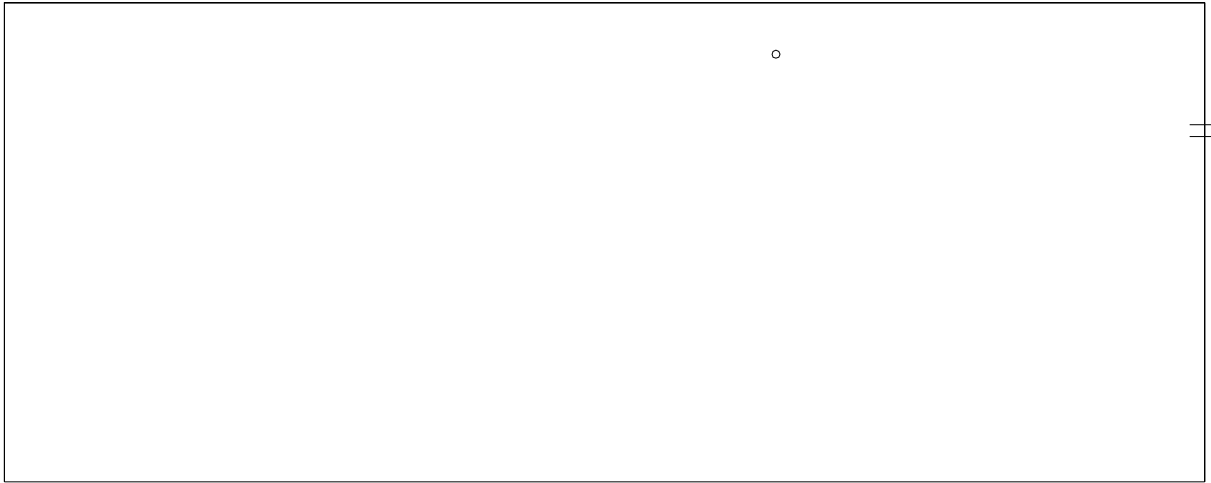


SYMBOLS KEY

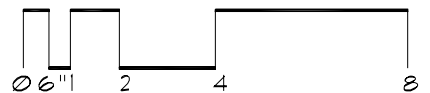
- ⦚ SCUPPER
- ① DEFECT-REPAIR
- ① DEFECT-NO REPAIR



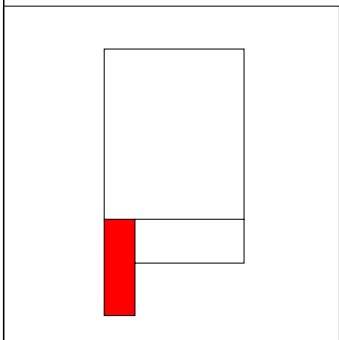
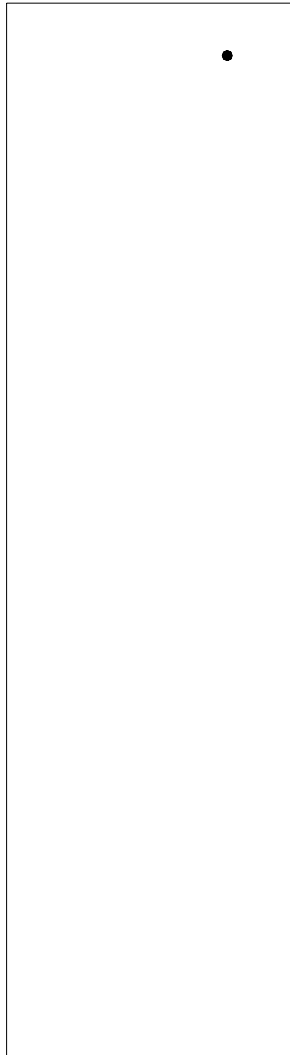
Roof Corrective Action



SYMBOLS KEY
o VENT STACK
†† SCUPPER

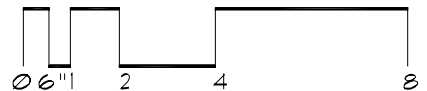


Roof Corrective Action



SYMBOLS KEY

- ROOF DRAIN
- ⊖ DEFECT-REPAIR
- ⓪ DEFECT-NO REPAIR



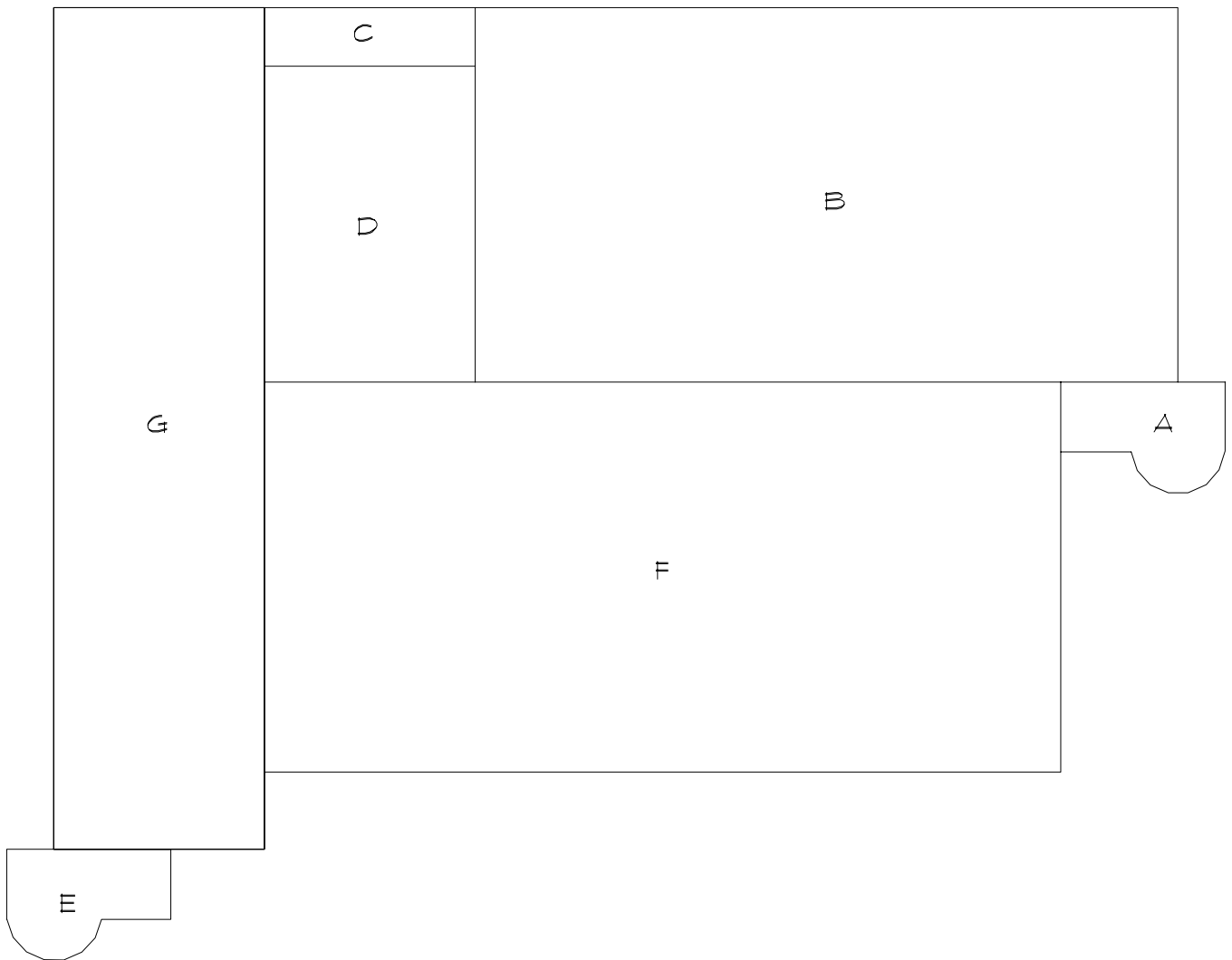
Roof ID

Building: SP474 - MN Crop Improvement - (1900 Hendon Ave, St.Paul)

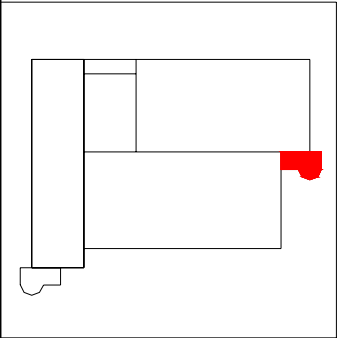
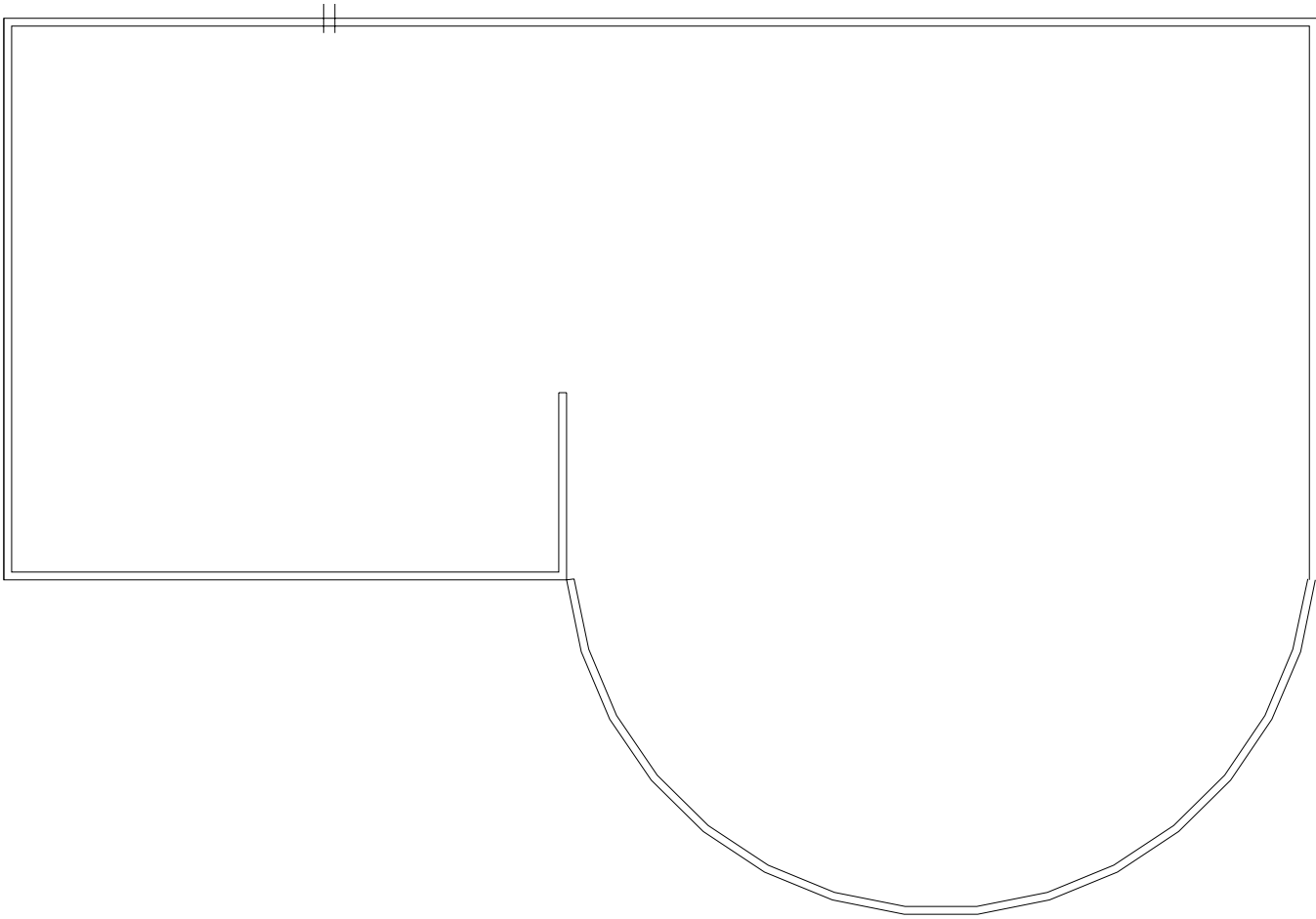
Roof Access: Ladder

Total Area: 8,060 sf

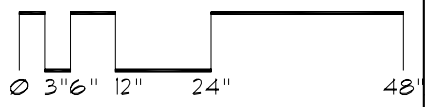
A	<u>98 sf</u>	F	<u>5,376 sf</u>
B	<u>1,920 sf</u>		
C	<u>80 sf</u>		
D	<u>488 sf</u>		
E	<u>98 sf</u>		



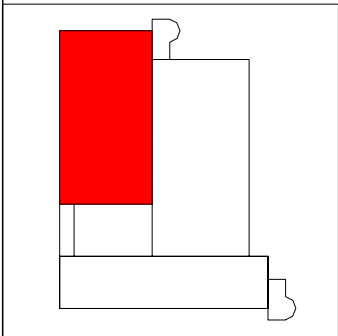
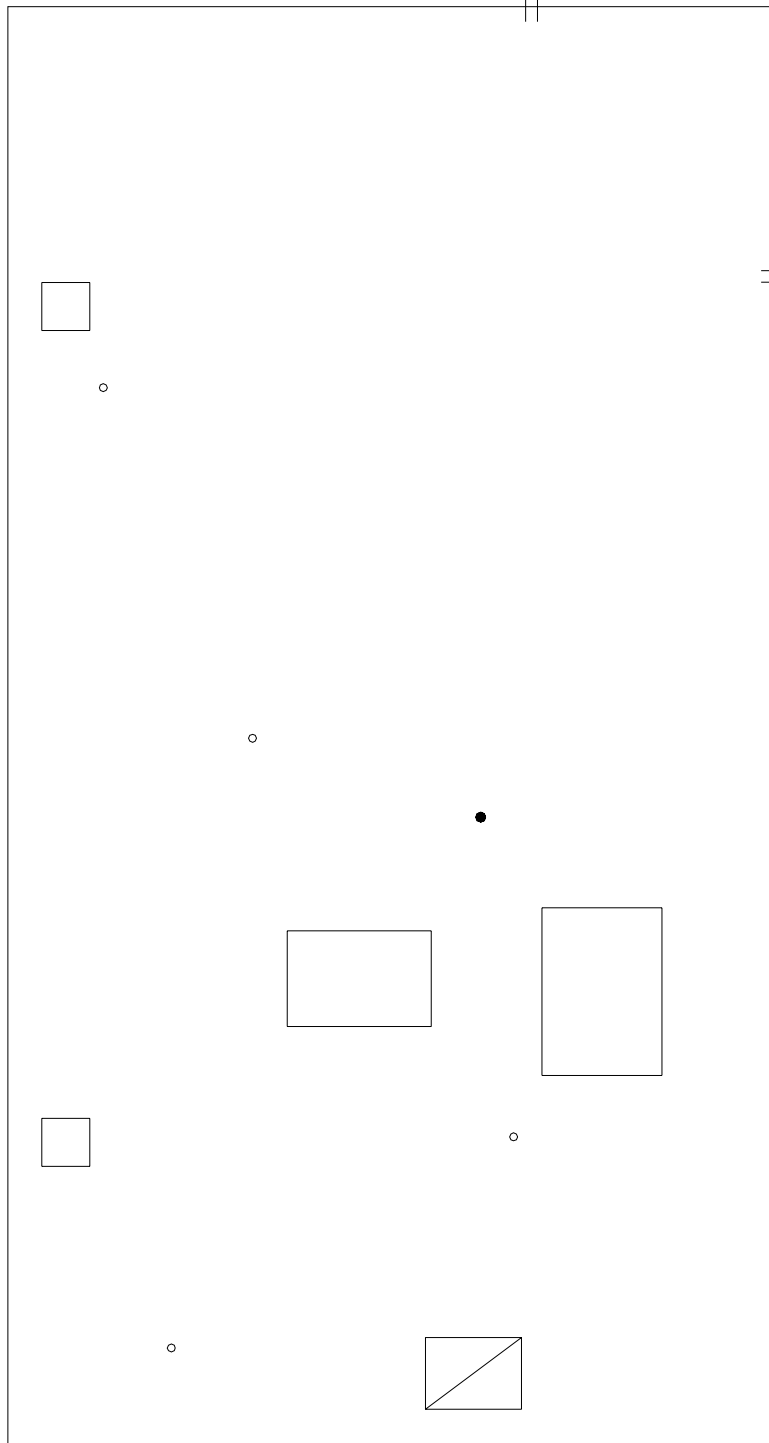
Roof Corrective Action



- SYMBOLS KEY**
- ⊥ SCUPPER
 - Ⓢ DEFECT-REPAIR
 - Ⓣ DEFECT-NO REPAIR

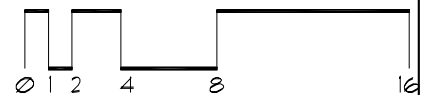


Roof Corrective Action

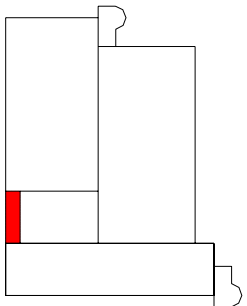


SYMBOLS KEY

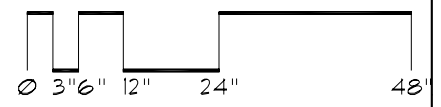
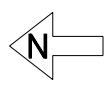
- ROOF CURB
- ROOF DRAIN
- VENT STACK
- ▣ ROOF HATCH
- Ⓜ DEFECT-REPAIR



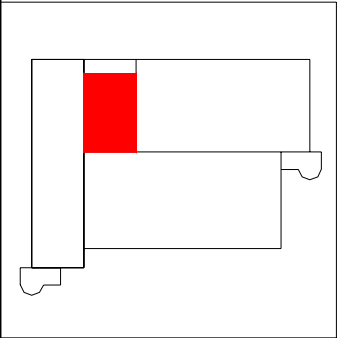
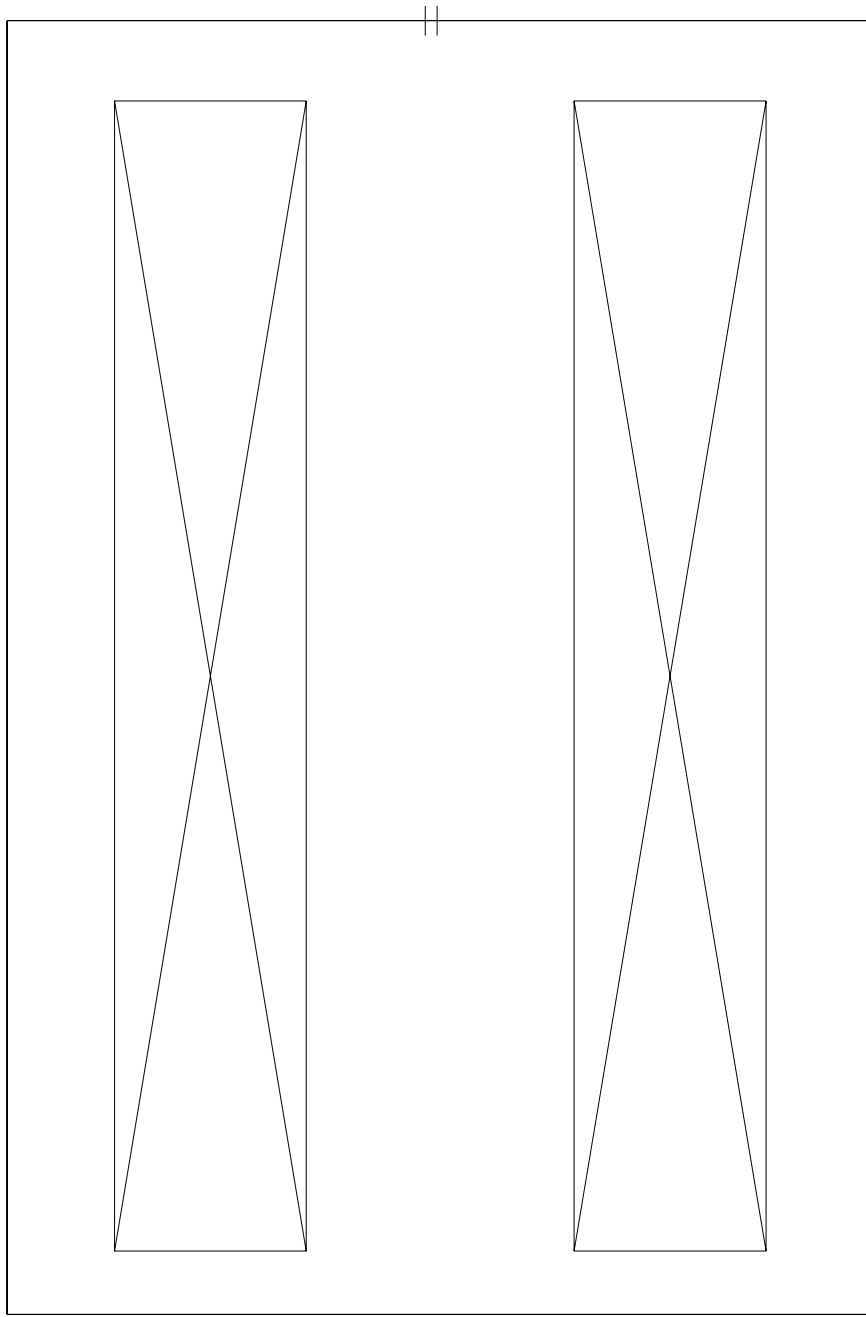
Roof Corrective Action



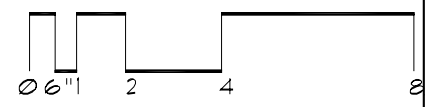
SYMBOLS KEY
|| SCUPPER



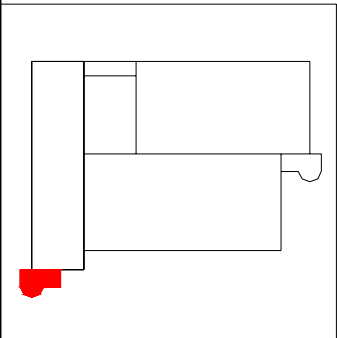
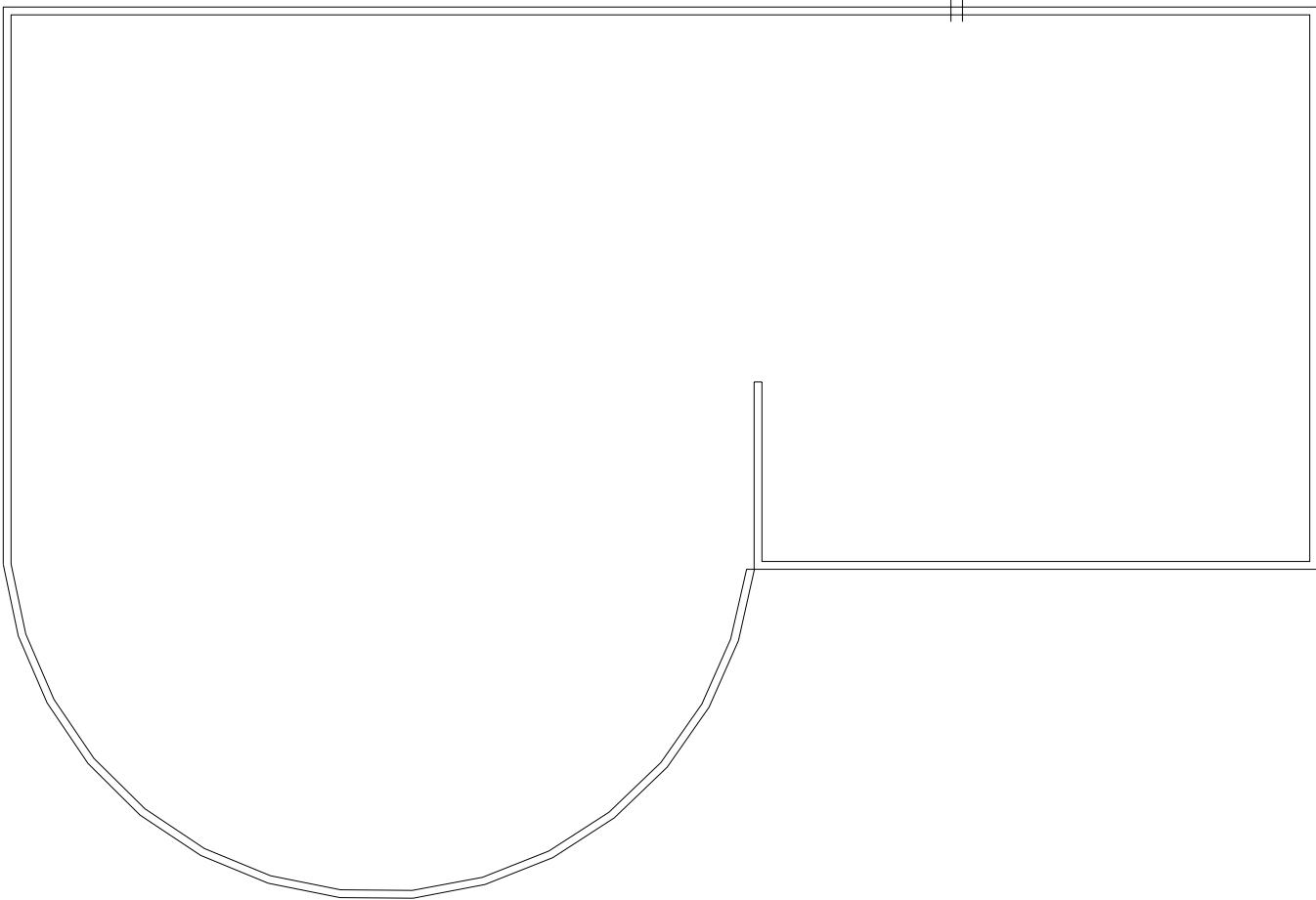
Roof Corrective Action



SYMBOLS KEY	
⊥	SCUPPER
⊠	SKYLIGHT
⓪	DEFECT-REPAIR

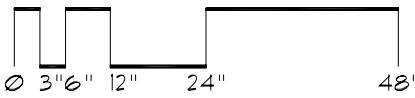


Roof Corrective Action

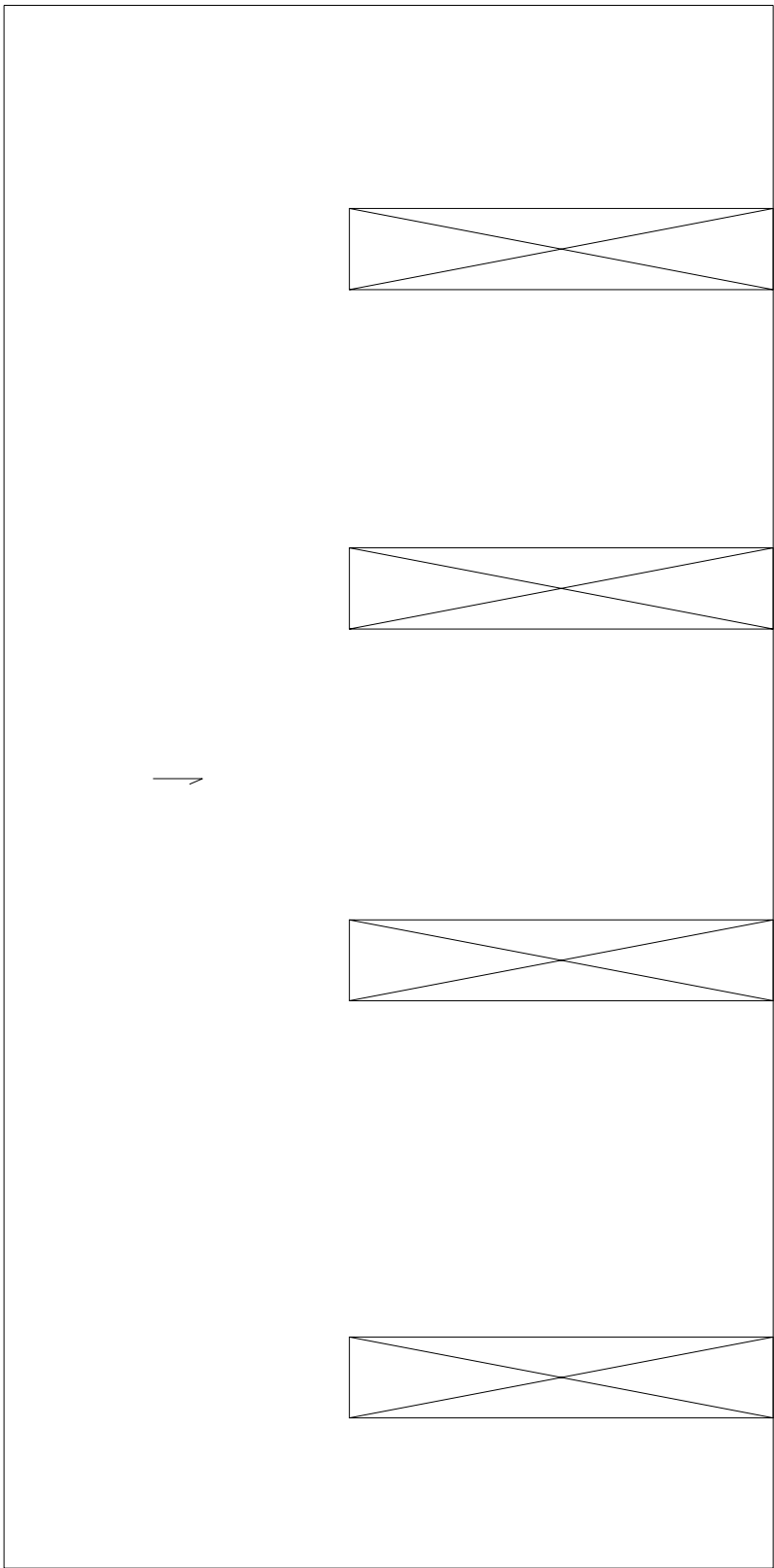


SYMBOLS KEY

- ⊥ SCUPPER
- Ⓢ DEFECT-REPAIR
- Ⓣ DEFECT-NO REPAIR

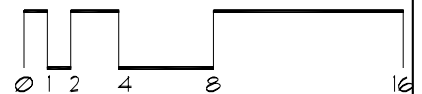
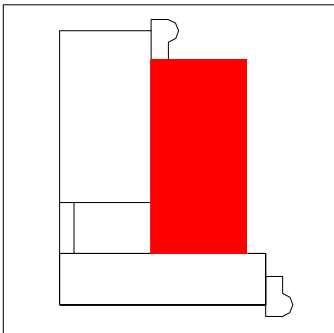


Roof Corrective Action



SYMBOLS KEY

- ☒ SKYLIGHT
- SLOPE DIRECTION
- Ⓡ DEFECT-REPAIR
- Ⓢ DEFECT-NO REPAIR



Roof ID

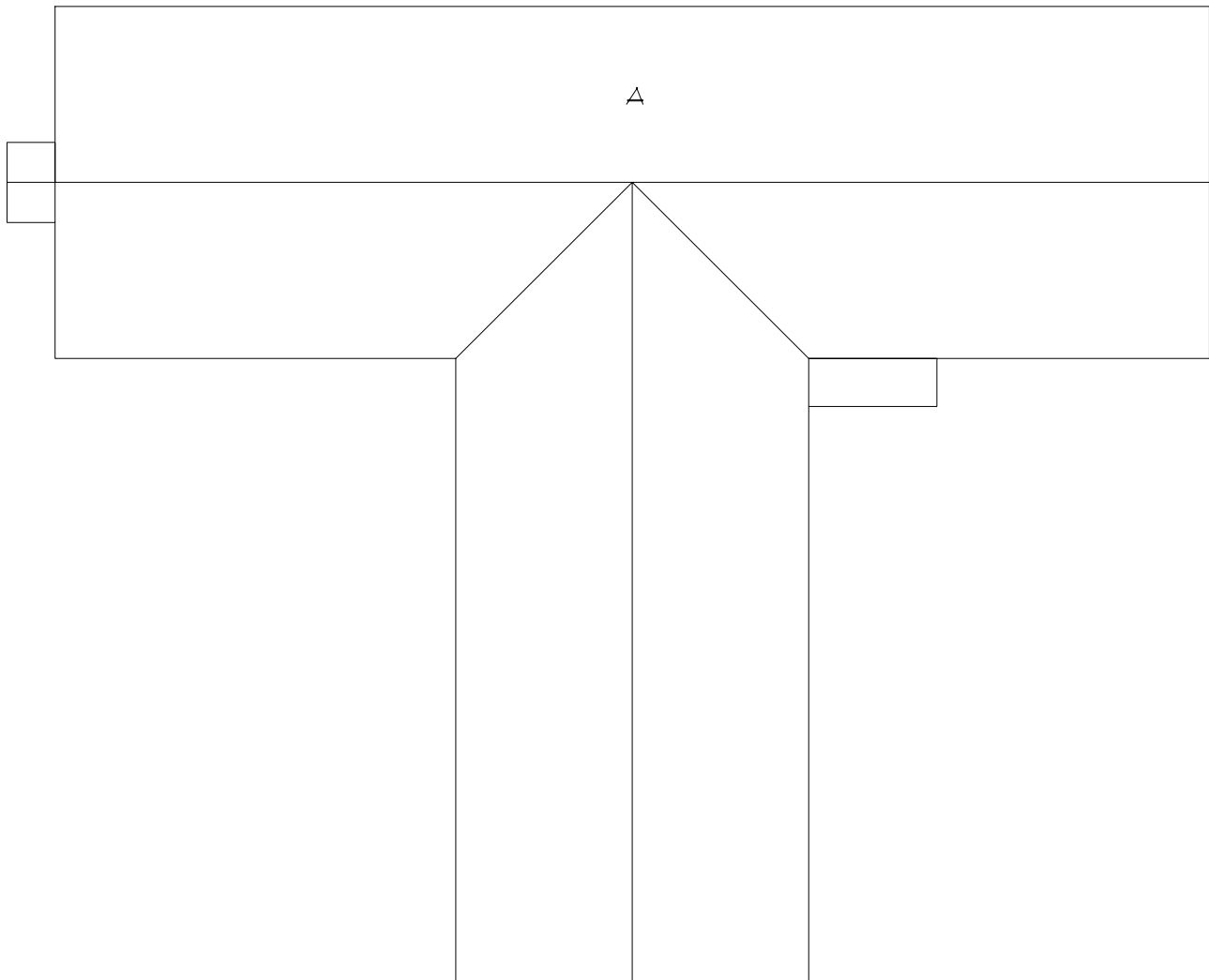
Building: SP478 - AG Chem Storage - (1552 Lindig St)

Roof Access: Ladder

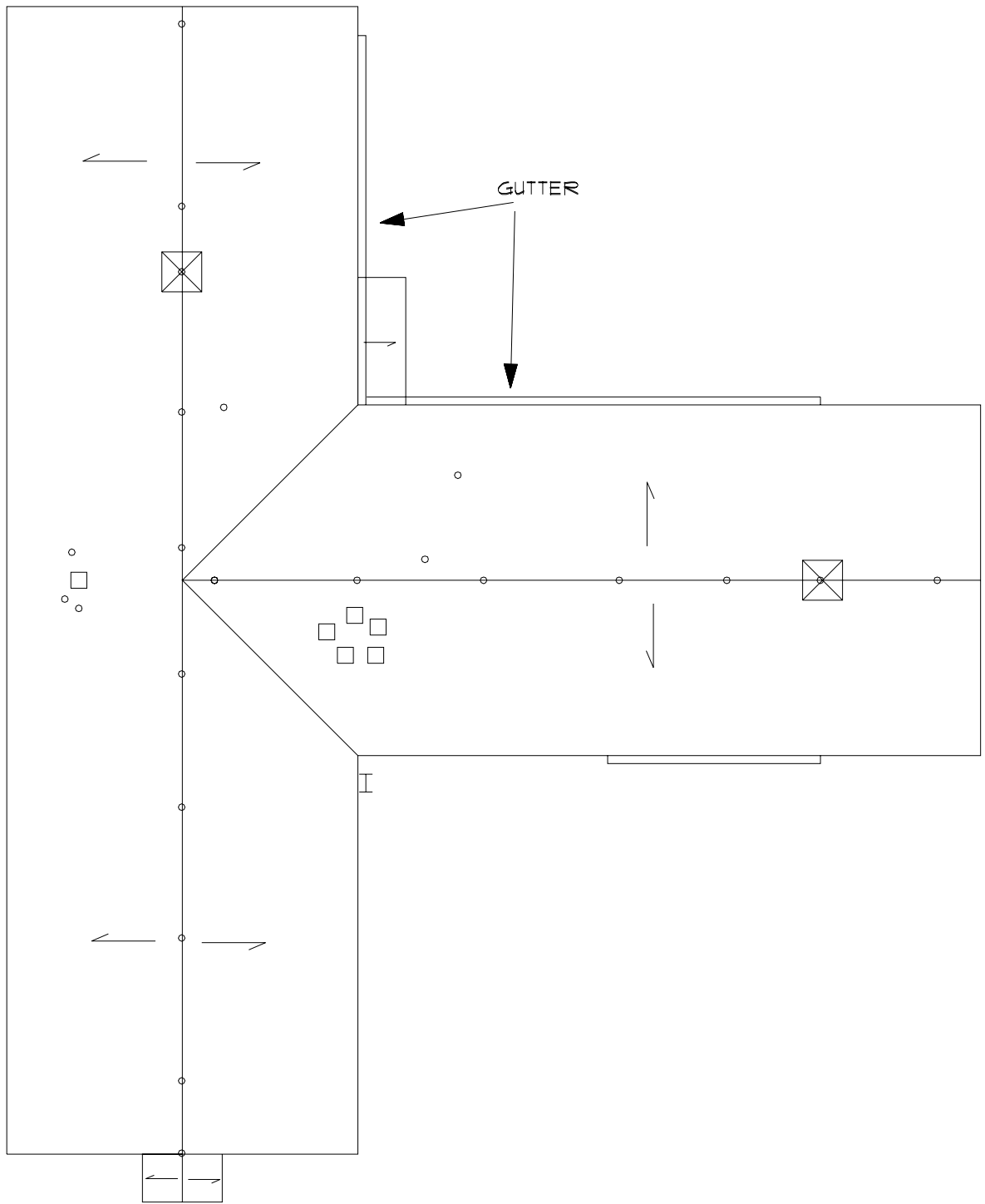
Total Area: 10,286 sf

A 10,286 sf

SYMBOLS KEY

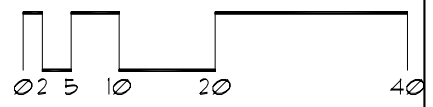


Roof Corrective Action

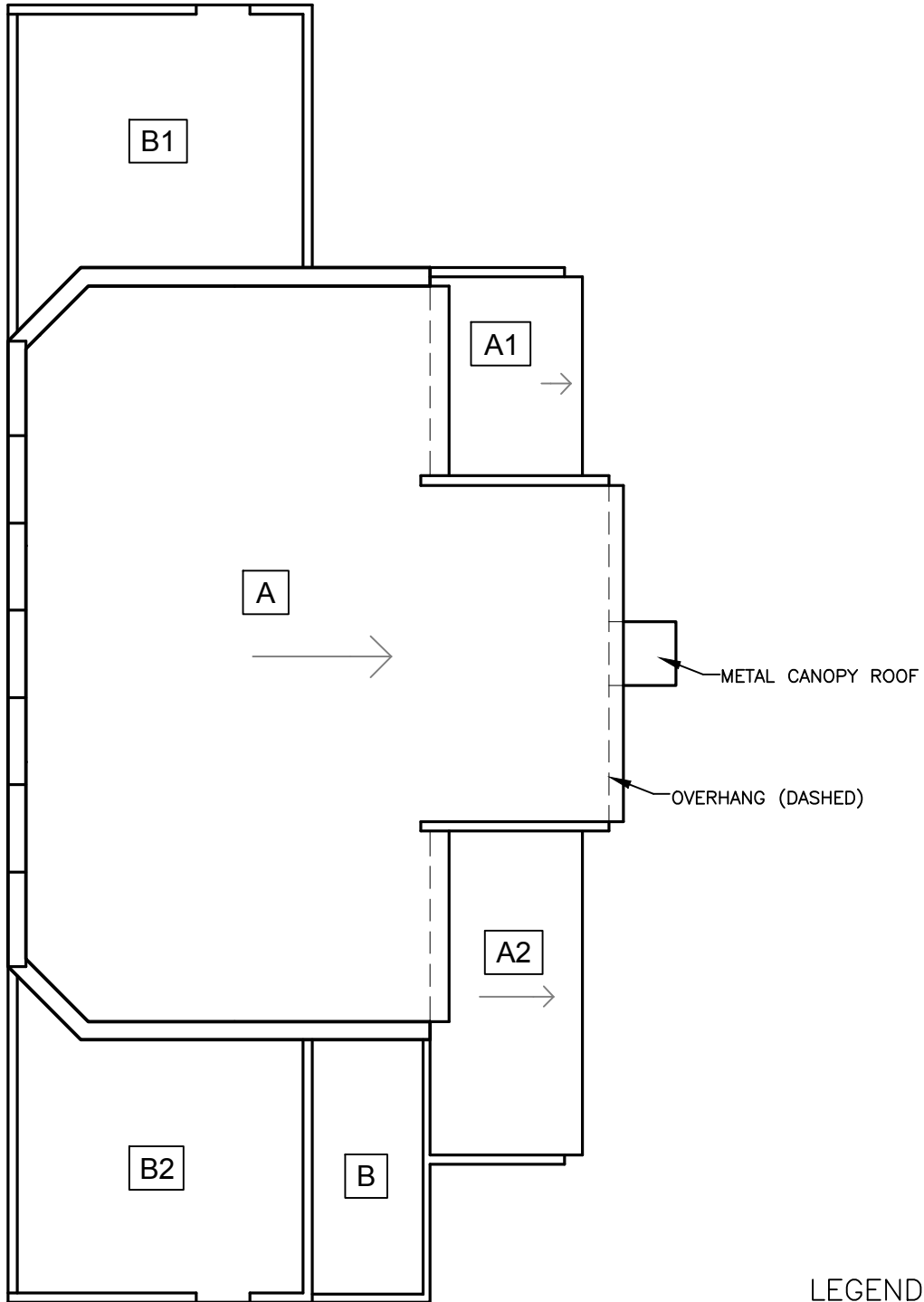


SYMBOLS KEY

- ROOF CURB
- VENT STACK
- ↔ SLOPE DIRECTION
- Ⓢ DEFECT-REPAIR



A = 1,982 SQ FT A2 = 267 SQ FT B1 = 446 SQ FT
A1 = 164 SQ FT B = 167 SQ FT B2 = 446 SQ FT



ROOF PLAN
SCALE: NONE

LEGEND

← SLOPE DIRECTION



Roof ID

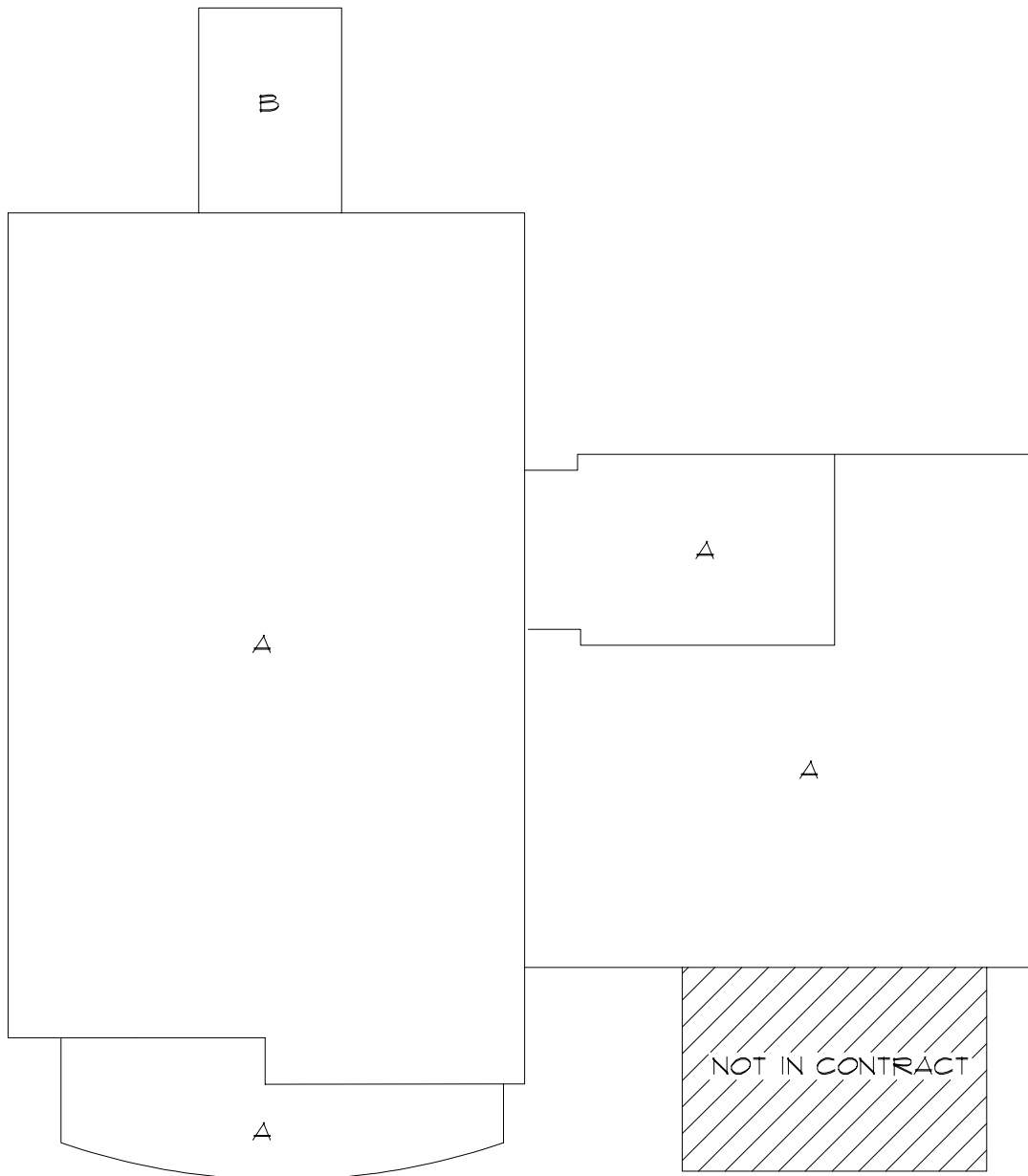
Building: SP485 - Plant Growth Facility - East - ()

Roof Access: Custodial room 109- ships ladder

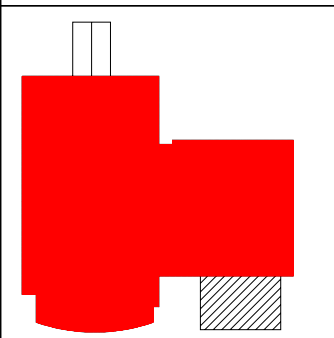
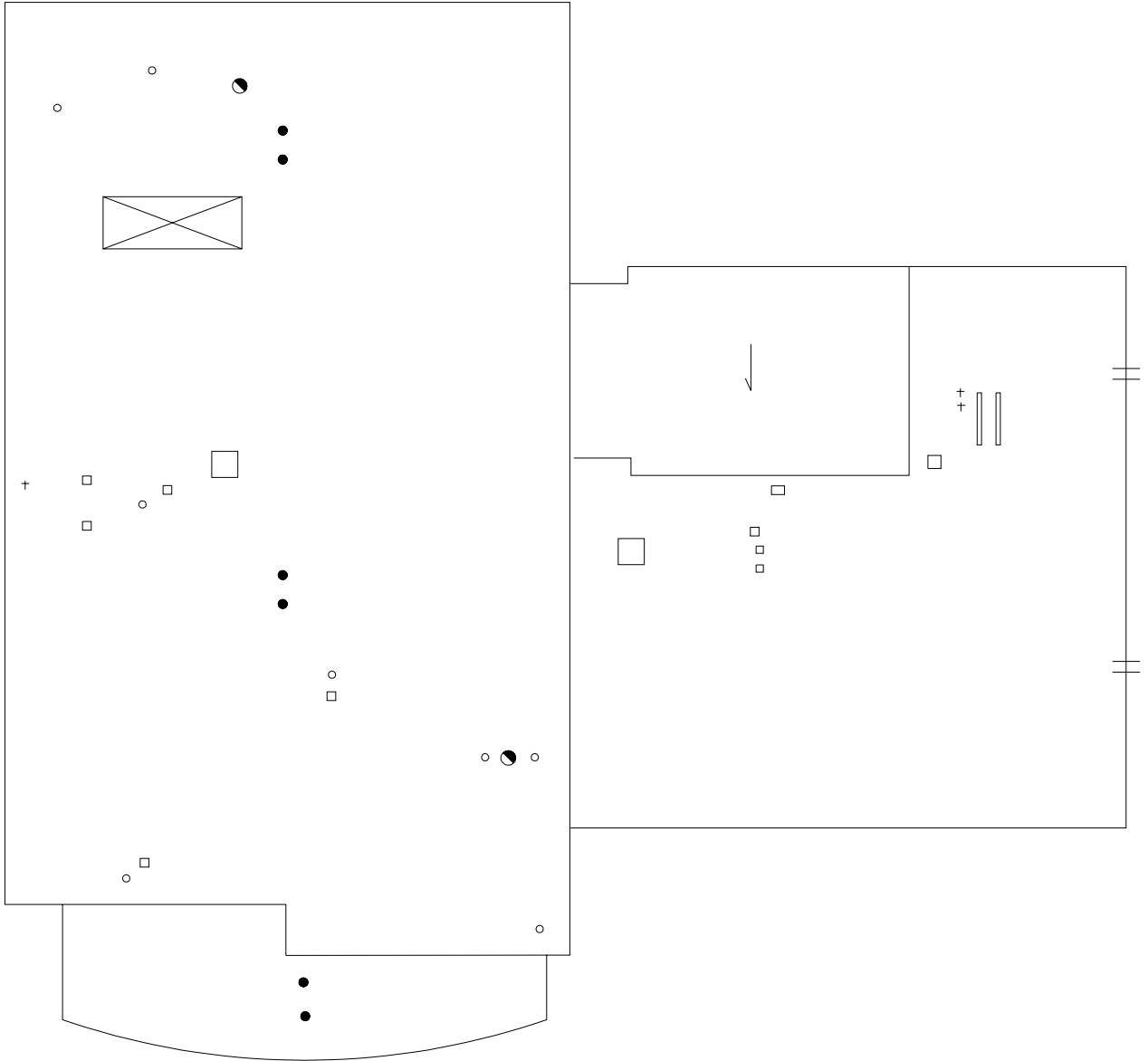
Total Area: 12,366 sf

A 11,806 sf

B 560 sf

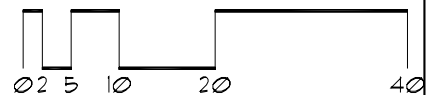


Roof Corrective Action

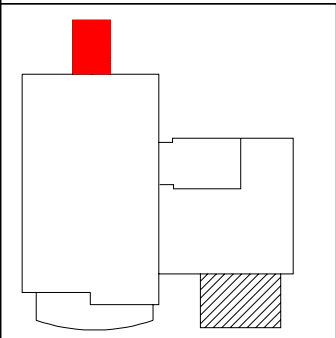
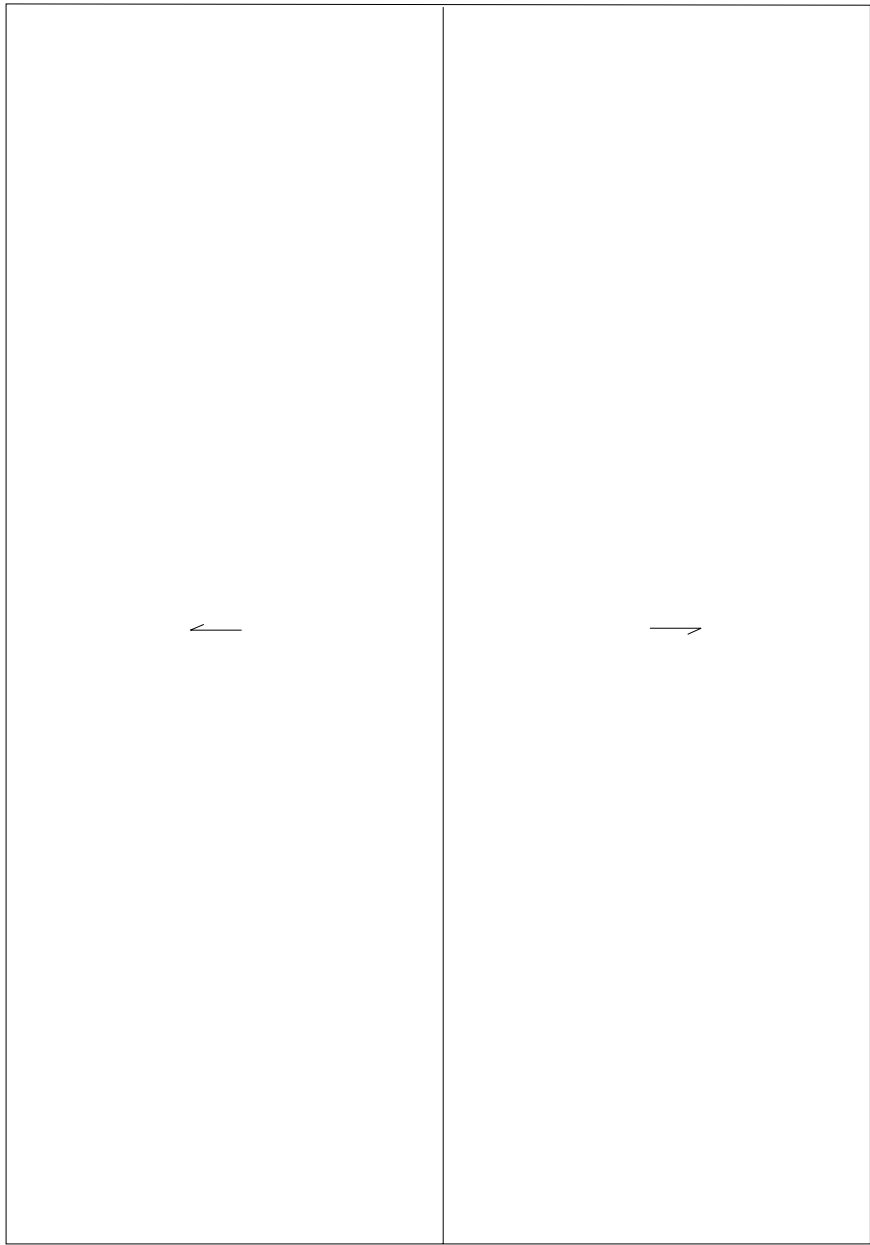


SYMBOLS KEY

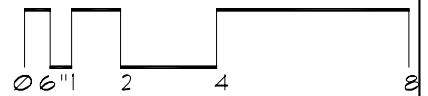
- ROOF CURB
- ≡ SLEEPER CURB
- ROOF DRAIN
- VENT STACK
- ⊕ FLASHED PENETRATION
- ⊕ SCUPPER
- ⊗ SKYLIGHT
- Ⓢ DEFECT-REPAIR
- Ⓣ DEFECT-NO REPAIR



Roof Corrective Action



SYMBOLS KEY
→ SLOPE DIRECTION



Roof ID

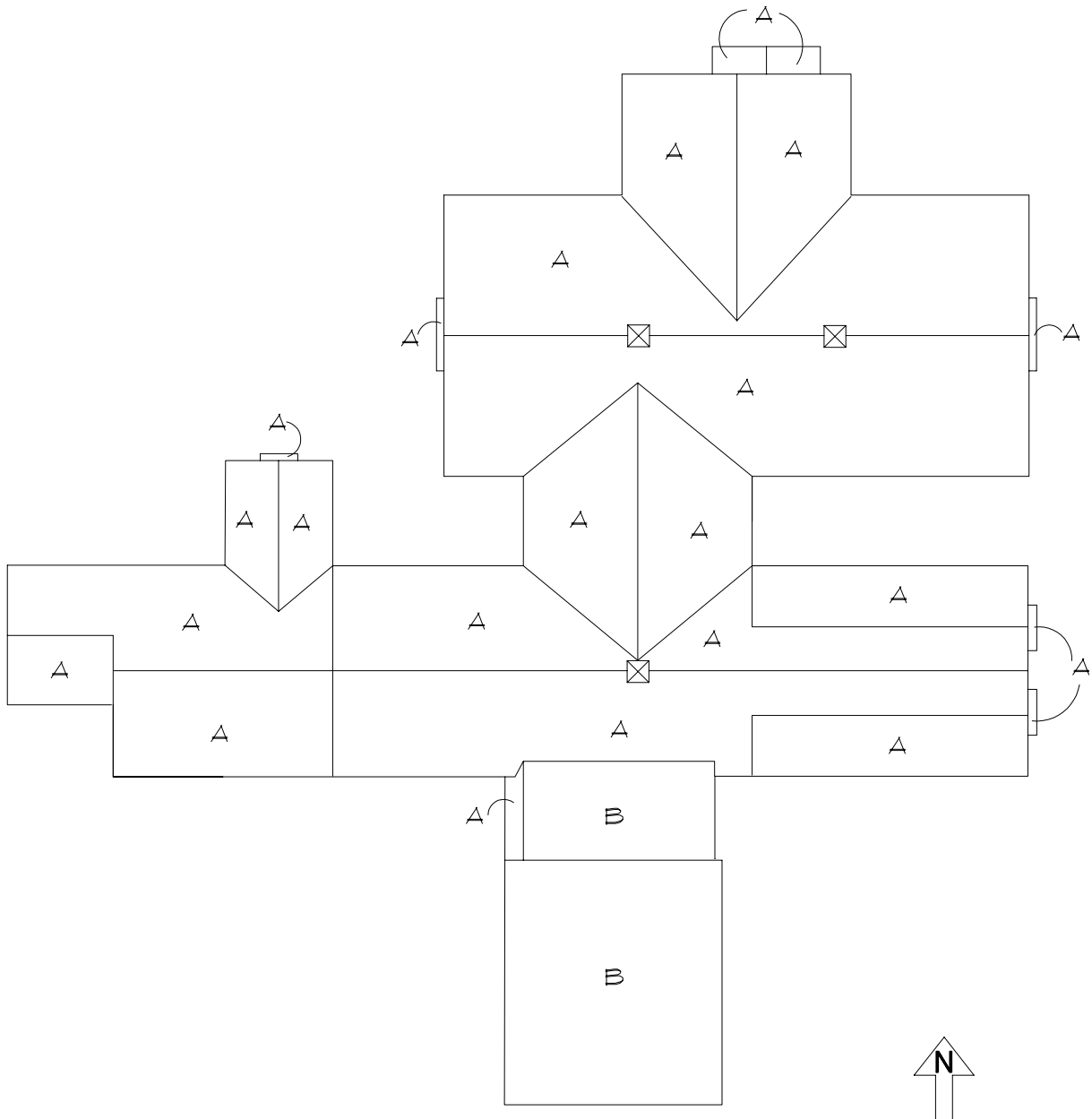
Building: SP486 - Equine Center (Leatherdale) - ()

Total Area: 67,874 sf

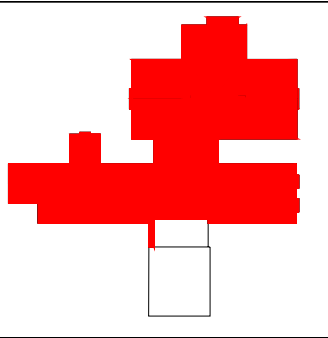
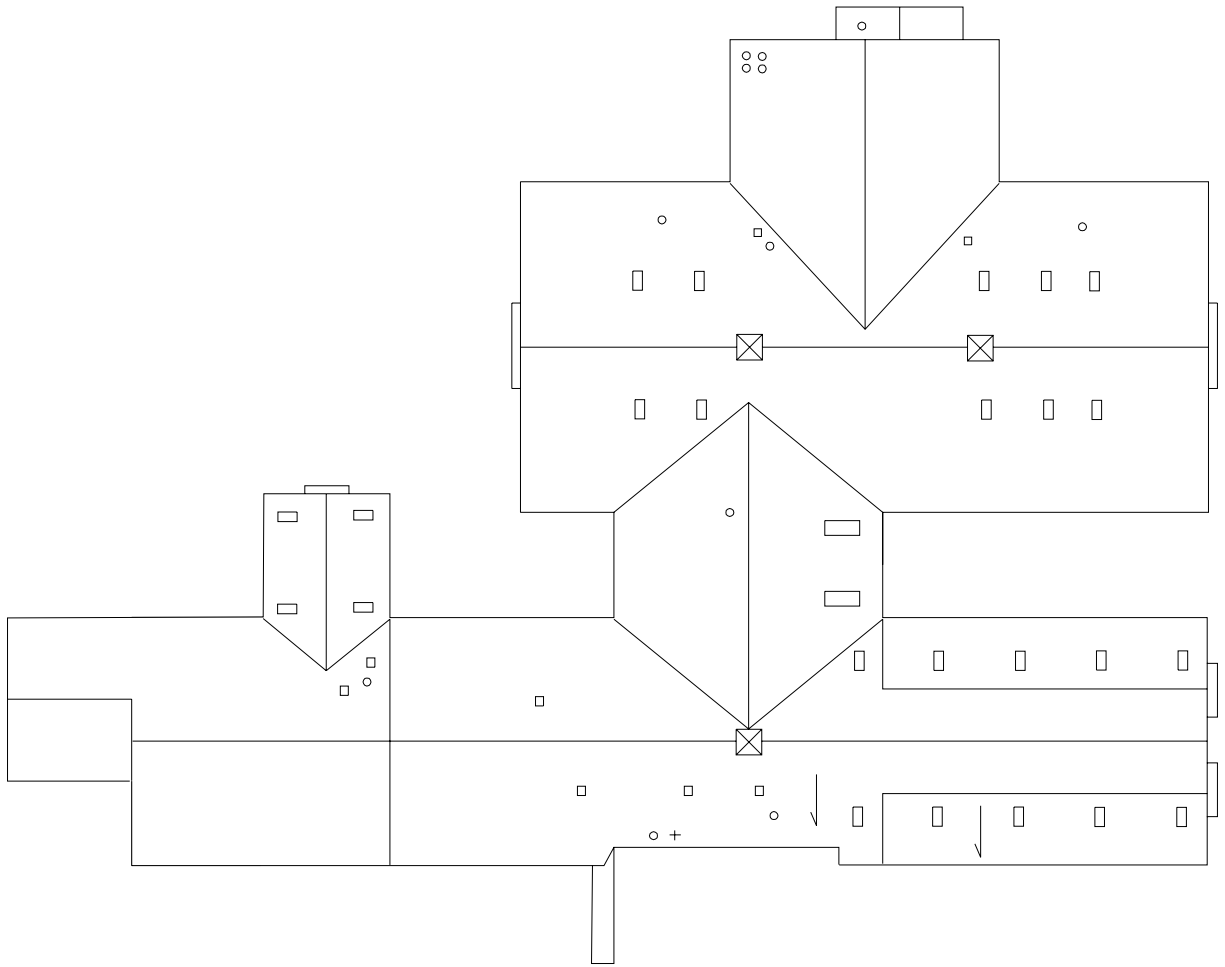
A 58,114 sf

B 7,200 sf

C 2,560 sf

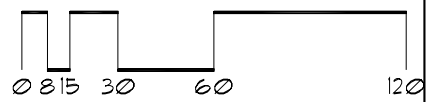


Roof Corrective Action

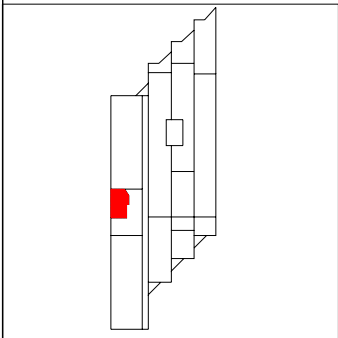
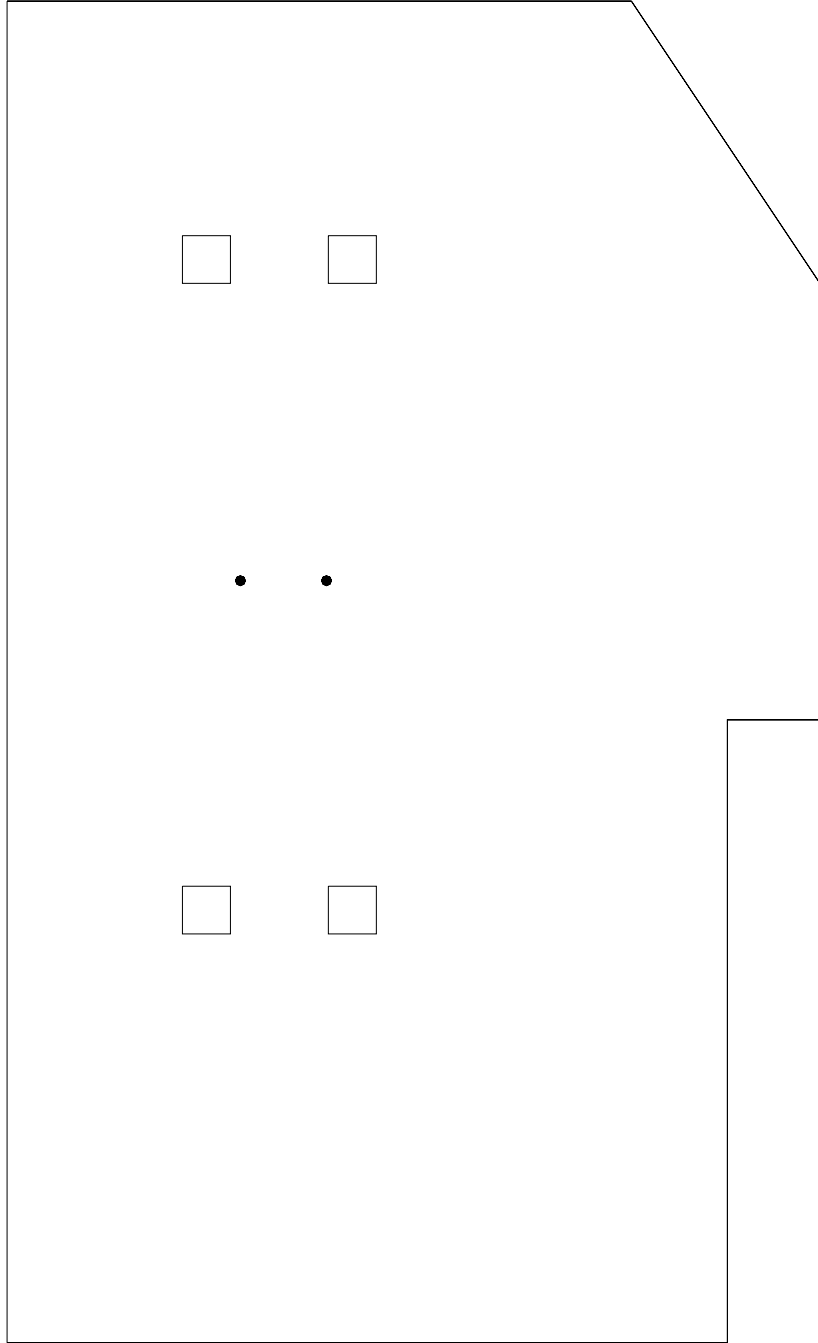


SYMBOLS KEY

- ROOF CURB
- VENT STACK
- + FLASHED PENETRATION
- SLOPE DIRECTION
- ① DEFECT-REPAIR

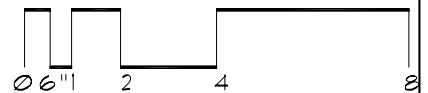


Roof Corrective Action

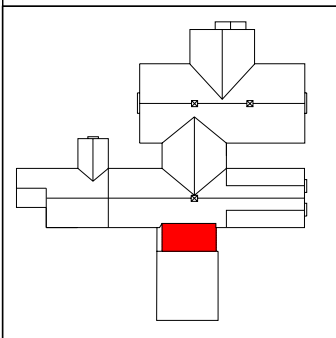
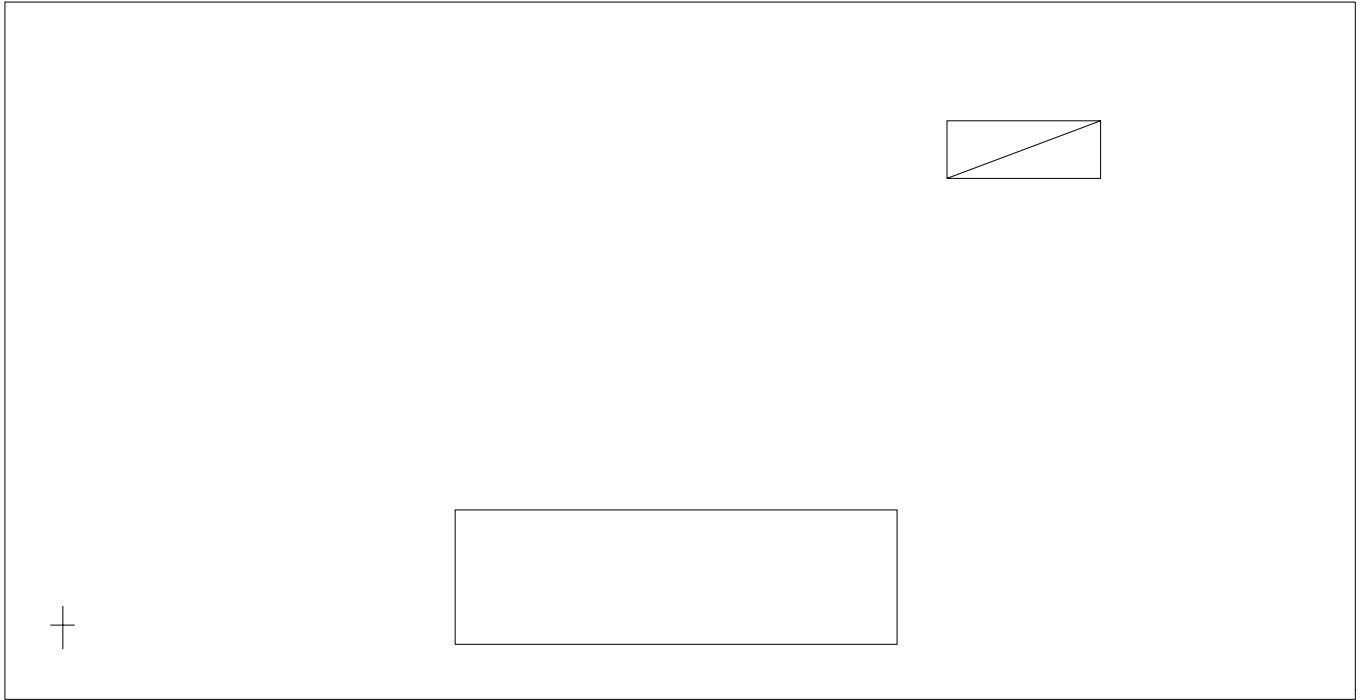


SYMBOLS KEY

- ROOF CURB
- ROOF DRAIN
- Ⓢ DEFECT-REPAIR



Roof Corrective Action



SYMBOLS KEY

- ROOF CURB
- ▣ ROOF HATCH
- Ⓢ DEFECT-REPAIR
- † FLASHED PENETRATION

