

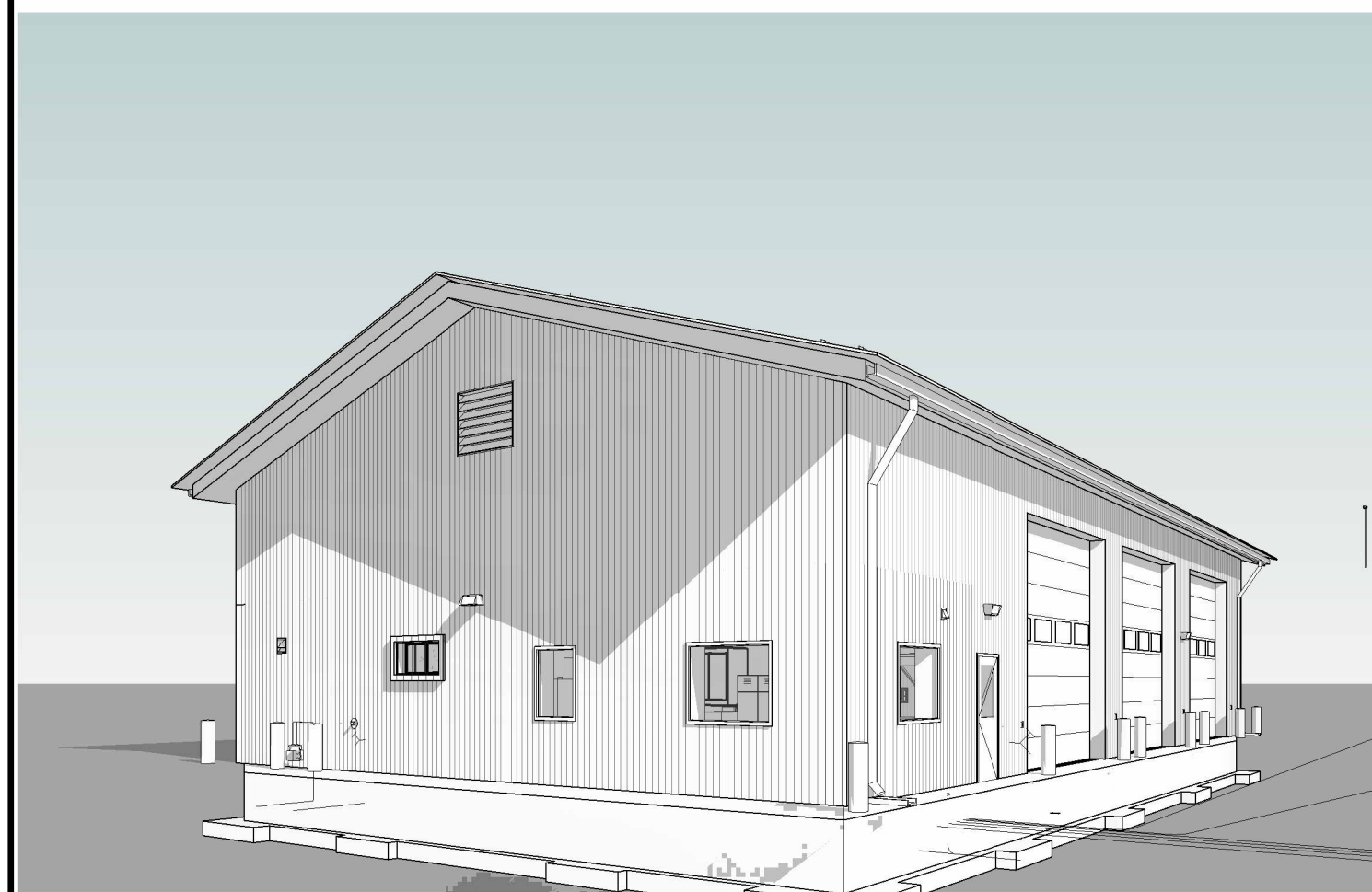


RYDELL NATIONAL WILDLIFE REFUGE

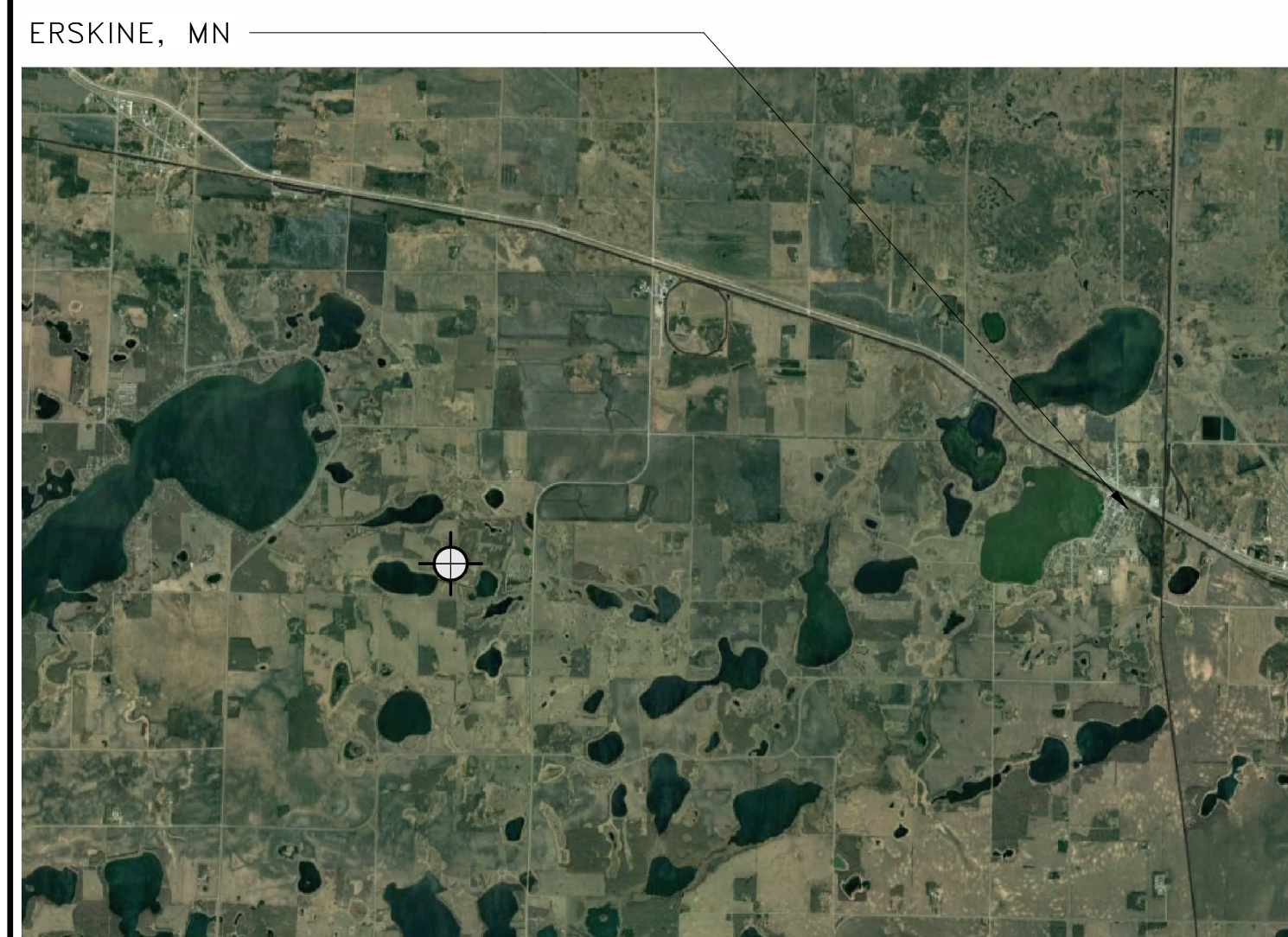
MAINTENANCE SHOP
ERSKINE, MN
US FISH AND WILDLIFE SERVICE
CONSTRUCTION DOCUMENTS



FOR VISUALIZATION PURPOSES ONLY — NOT
CONSTRUCTION DRAWING

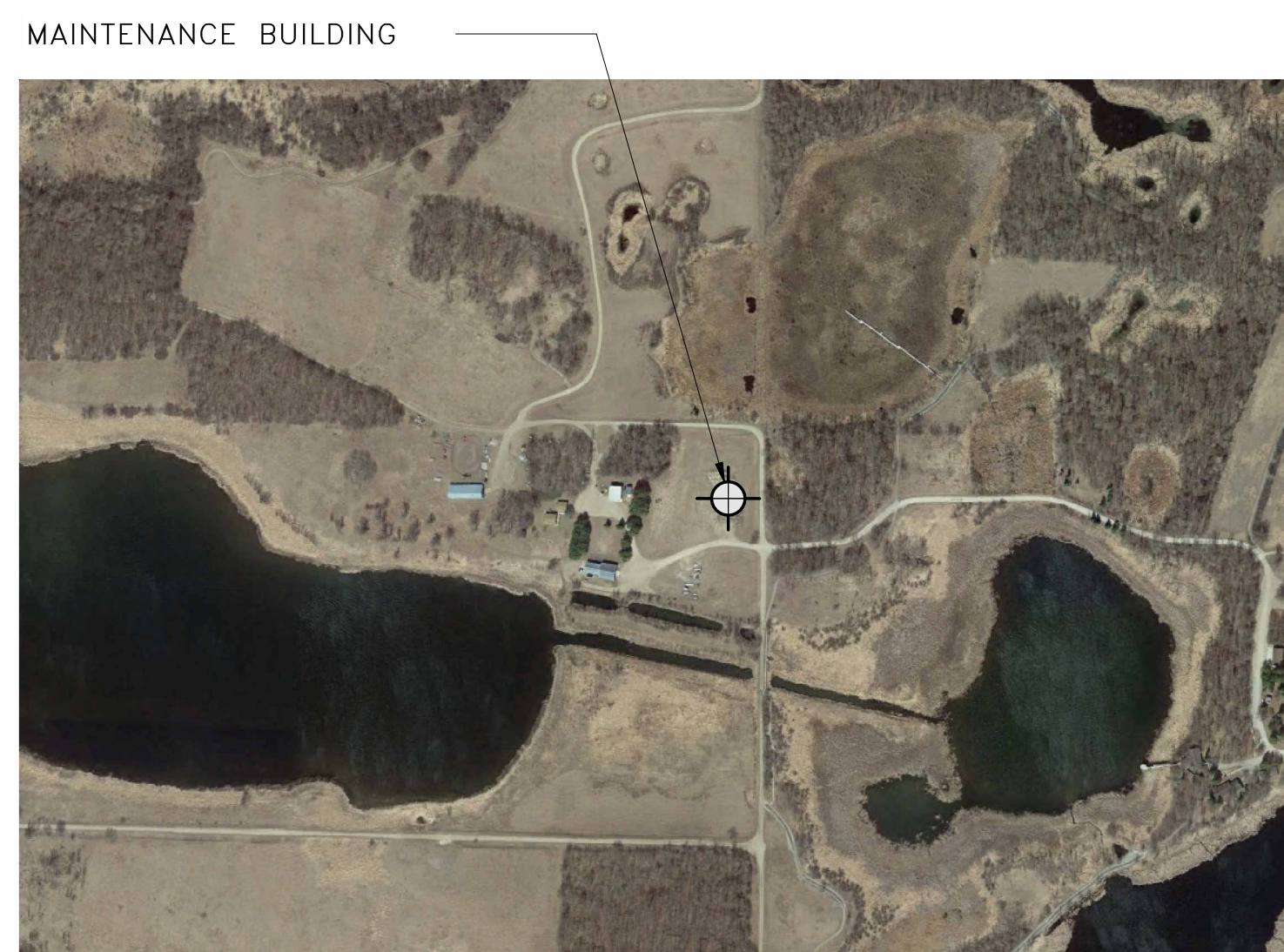


PERSPECTIVE AT MAINTENANCE SHOP



VICINITY MAP

NOT TO SCALE



PROJECT LOCATION MAP

NOT TO SCALE

PROJECT TEAM

PROJECT MANAGER
CUSHING TERRELL
800 WEST MAIN ST. — STE 800
BOISE, ID 83702
PM — SCOTT ROBERTS

CUSHING TERRELL DISCIPLINES
CIVIL
KRIS DESPER

ARCHITECTURE
TYLER MORTENSON

PLUMBING
JEREMY WILSON

MECHANICAL
PHILIP HARSH

ELECTRICAL
PATRICK MORANVILLE

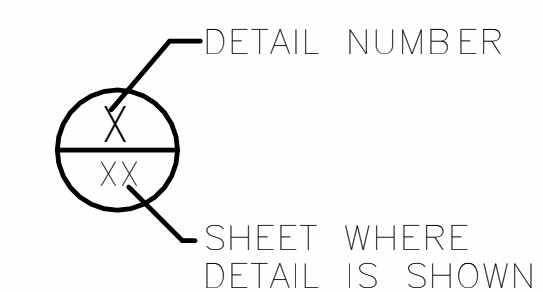
CALIBRE ENGINEERING DISCIPLINES
STRUCTURAL
ED SABIA

ABBREVIATIONS

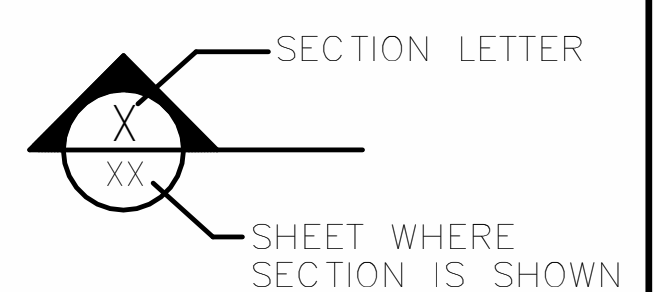
AG	ABOVE GROUND	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	NL	NIGHT LIGHT
ALUM	ALUMINUM	PT	PRESSURE TREATED
ATS	AUTOMATIC TRANSFER SWITCH	RE	REGARDING
C	CONDUIT GROUND GND	RO	ROUGH OPENING
CO	CONTRACTING OFFICER	OC	ON CENTER
CONT	CONTINUOUS	OD	OUTSIDE DIAMETER
E	EXISTING	SIM	SIMILAR
EC	ELECTRICAL CONTRACTOR	TOP	TOP OF PLATE
EG	EXISTING GRADE	TOW	TOP OF WALL
FF	FINISH FLOOR	TYP	TYPICAL
GC	GENERAL CONTRACTOR	VERT	VERTICAL
GWB	GYPSPUM WALL BOARD	W/	WITH
GS	GALVANIZED STEEL	WD	WOOD
HM	HOLLOW METAL	WP	WEATHER PROOF
LA	LAYER	UG	UNDERGROUND

DETAILING CONVENTIONS

DETAILS:



SECTIONS AND VIEWS:



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature: **R.M.**
Typed or Printed Name: Rebecca Muchow
Date: 01/20/24 License Number: 52502

VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" _____ 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP POLK COUNTY ERSKINE, MN			
COVER SHEET			
PROJECT NUMBER: 22-RF-027			
G1	DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024
	CADD:RDL122G4	DRAWING NO: 3R-MN-1176-122	CHECKED: TDF
			SHEET 1 OF 64

DRAWING INDEX

GENERAL

SHEET NO.	SHEET DESCRIPTION	RDL	CADD
G1	COVER SHEET	122	G4
G2	PROJECT DRAWING INDEX	123	G4
G3	CODE PLAN	124	G0
G4	ASSEMBLY DETAILS	125	G2

SURVEY

SHEET NO.	SHEET DESCRIPTION	RDL	CADD
V1	TOPOGRAPHIC SURVEY	126	C0

CIVIL

SHEET NO.	SHEET DESCRIPTION	RDL	CADD
C1	GENERAL NOTES	127	C4
C2	EROSION AND SEDIMENT CONTROL SPECIFICATIONS	128	C4
C3	EROSION AND SEDIMENT CONTROL PLAN	129	C0
C4	SITE PLAN	130	C0
C5	GRADING PLAN	131	C0
C6	UTILITY PLAN	132	C0
C7	DETAILS	133	C2
C8	DETAILS	134	C2

ARCHITECTURAL

SHEET NO.	SHEET DESCRIPTION	RDL	CADD
A1	FLOOR PLAN	135	A0
A2	DIMENSION FLOOR PLAN	136	A0
A3	ROOF PLAN	137	A0
A4	ROOF AND PLAN DETAILS	138	A2
A5	EXTERIOR ELEVATIONS	139	A1
A6	BUILDING SECTIONS	140	A2
A7	WALL SECTIONS	141	A2
A8	WALL SECTIONS	142	A2
A9	FINISH PLAN	143	A0
A10	INTERIOR MATERIAL LIST	144	A4
A11	STAIRS AND RAILING	145	A2
A12	BUILDING SIGNAGE PLAN	146	A0
A13	DOOR AND WINDOW SCHEDULES AND DETAILS	147	A3
A14	DOOR AND WINDOW DETAILS	148	A3
A15	ENLARGED PLANS AND ELEVATIONS	149	A4
A16	REFLECTED CEILING PLAN	150	A0
A17	RADON SYSTEM PLAN	151	A0

STRUCTURAL

SHEET NO.	SHEET DESCRIPTION	RDL	CADD
S1	GENERAL STRUCTURAL NOTES, DESIGN LOADS & ABBREVIATIONS	152	S4
S2	GENERAL STRUCTURAL NOTES	153	S4
S3	GENERAL STRUCTURAL NOTES AND QA NOTES & TABLES	154	S4
S4	QA NOTES & TABLES	155	S4
S5	FIRST FLOOR FRAMING PLAN	156	S0
S6	MEZZANINE FRAMING PLAN	157	S0
S7	ROOF FRAMING PLAN	158	S0
S8	STRUCTURAL DETAILS	159	S2
S9	STRUCTURAL DETAILS	160	S2
S10	STRUCTURAL DETAILS	161	S2

PLUMBING

SHEET NO.	SHEET DESCRIPTION	RDL	CADD
P1	PLUMBING SCHEDULES AND LEGENDS	162	P4
P2	PLUMBING SCHEDULES	163	P4
P3	DWV PLANS	164	P0
P4	PLUMBING PLANS	165	P0
P5	ENLARGED PLUMBING PLANS	166	P0
P6	PLUMBING DETAILS	167	P2
P7	PLUMBING DETAILS	168	P2
P8	PLUMBING DETAILS	169	P2

MECHANICAL

SHEET NO.	SHEET DESCRIPTION	RDL	CADD
M1	MECHANICAL NOTES, LEGENDS, AND SCHEDULES	170	M4
M2	MECHANICAL SCHEDULES	171	M4
M3	HVAC PLANS	172	M0
M4	HYDRONIC PLANS	173	M0
M5	MECHANICAL DETAILS	174	M2
M6	MECHANICAL DETAILS	175	M2
M7	TC DIAGRAMS	176	M4
M8	TC DIAGRAMS	177	M4

ELECTRICAL

SHEET NO.	SHEET DESCRIPTION	RDL	CADD
E1	ELECTRICAL LEGENDS	178	E4
E2	ONE-LINE DIAGRAM & SCHEDULES	179	E4
E3	SITE PLAN	180	E0
E4	LIGHTING PLAN	181	E0
E5	POWER PLAN	182	E0
E6	MECHANICAL POWER PLAN	183	E0
E7	SPECIAL SYSTEMS PLAN	184	E0
E8	LIGHTNING PROTECTION PLAN	185	E0

PROJECT BID ADDITIVES

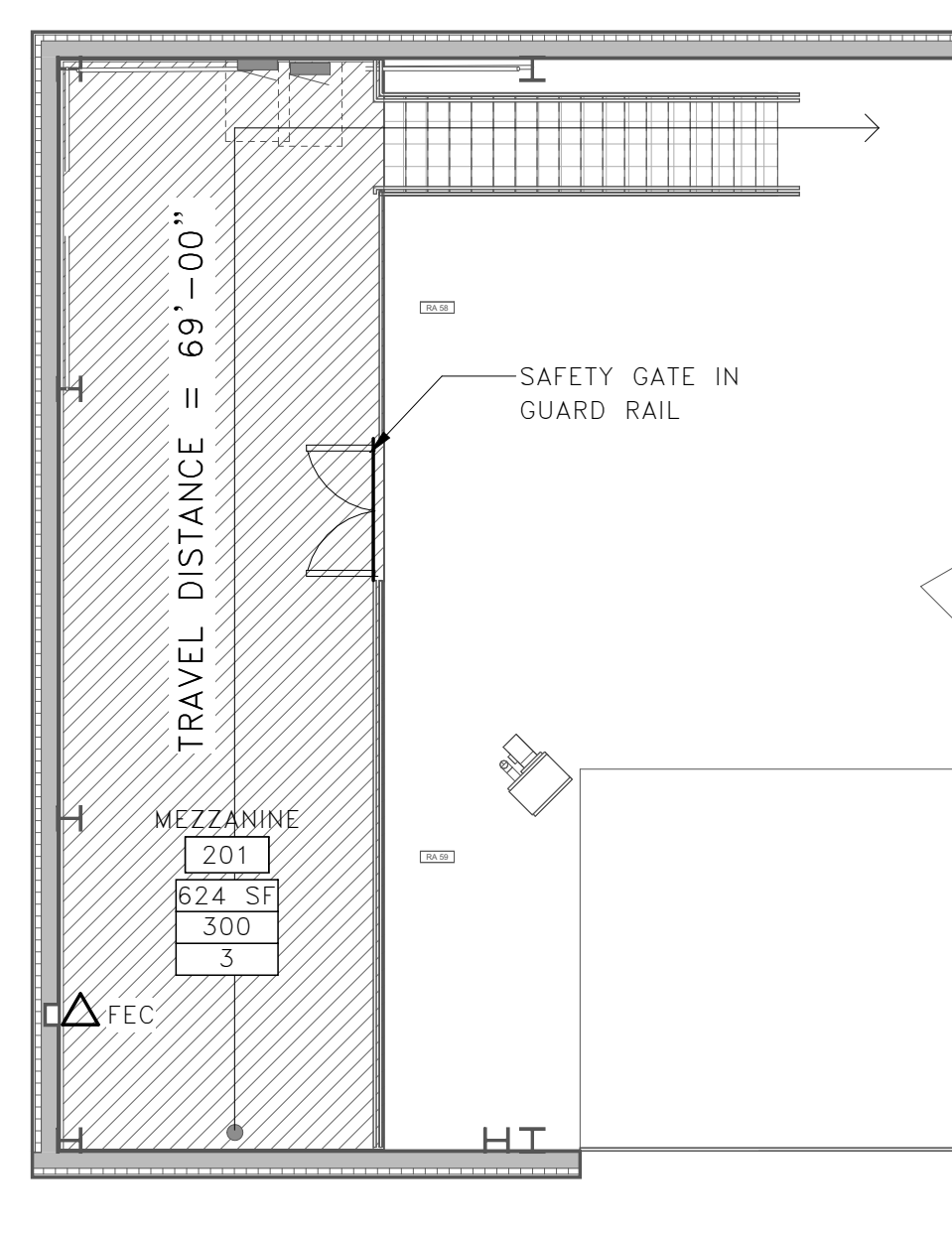
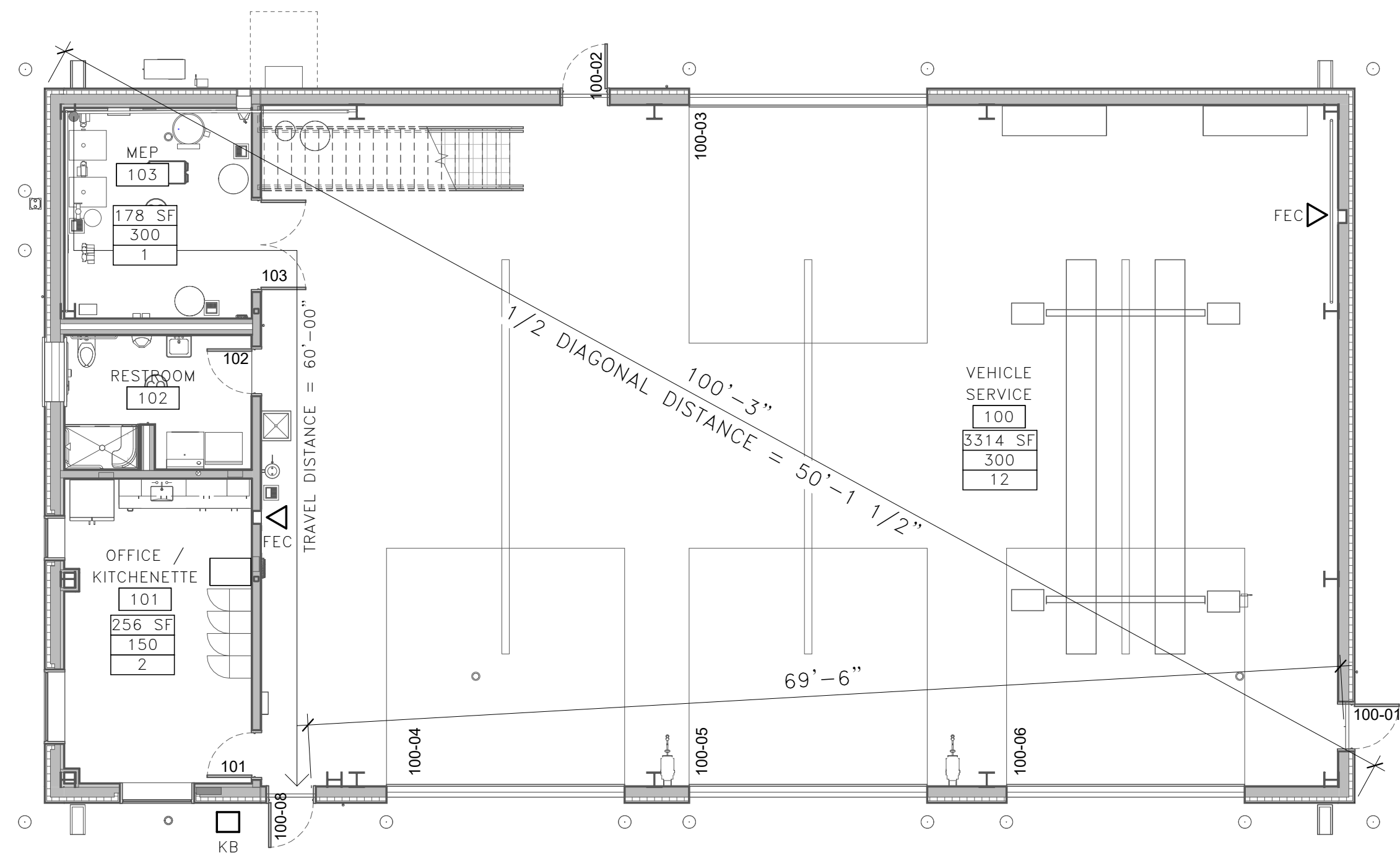
ADDITIVE #1: FURNISH AND INSTALL ROOF MOUNTED PHOTOVOLTAIC ARRAY. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: **R.M.**
 Typed or Printed Name: Rebecca Muchow
 Date: 01/12/24 License Number: 52502

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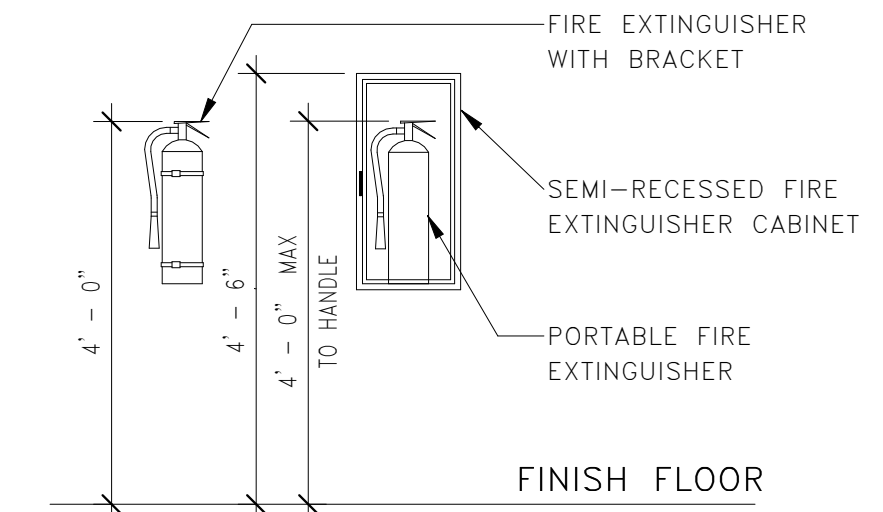
REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
PROJECT DRAWING INDEX			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL 123G4	DRAWING NO: 3R-MN-1176-123	SHEET 2 OF 64	

G2



GENERAL NOTES

- COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR ADDITIONAL REQUIREMENTS.



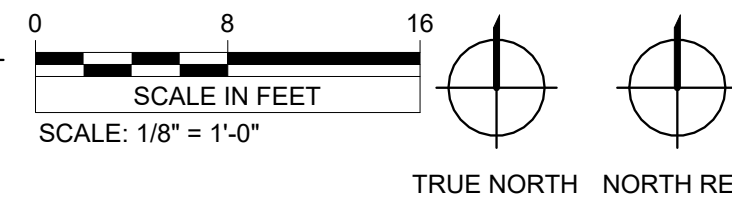
3 G3 FIRE EXTINGUISHER MOUNTING HEIGHT

CODE PLAN LEGEND

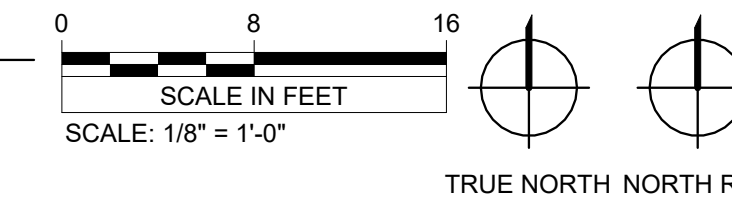
- 888 SF → OCCUPANCY TAG: NOTE: SEE ELECTRICAL FOR ILLUMINATED EXIT SIGNS AND FIRE ALARM DEVICES.
- XXX/XX → SPACE AREA
- 8888 → OCCUPANT LOAD FACTOR
- 8888 → OCCUPANT TOTAL
- ⊕ → OCCUPANT LOAD CALCULATED AT EXIT DOORS
- → EXIT PATH
- △ → NEW SEMI-RECESSED CABINET AND FIRE EXTINGUISHER - SEE SPECIFICATIONS
- FEC → KNOX BOX - CONTRACTOR TO PROVIDE KNOX BOX THAT COMPLIES WITH LOCAL FIRE DEPARTMENT RULES AND REGULATIONS. COORDINATE WITH FIRE DEPARTMENT.
- KB →

NOTE: SEE ELECTRICAL FOR ILLUMINATED EXIT SIGNS AND FIRE ALARM DEVICES.

1 G3 CODE PLAN



2 G3 CODE PLAN MEZZANINE



IBC 2021 CODE ANALYSIS
 OCCUPANCY: S-1
 CONSTRUCTION TYPE: V-B
 STORIES: 1
 NON-SPRINKLERED

- GOVERNING CODES:**
- INTERNATIONAL BUILDING CODE, 2021 EDITION.
 - NFPA 101 LIFE SAFETY CODE, 2021 EDITION.
 - NATIONAL ELECTRICAL CODE, 2023 EDITION.
 - INTERNATIONAL PLUMBING CODE, 2021 EDITION.
 - INTERNATIONAL MECHANICAL CODE, 2021 EDITION.
 - INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE, 2021 EDITION.
 - ASHRAE/IESNA 90.1 - 2010 ENERGY STANDARD FOR BUILDINGS.
 - ASHRAE STANDARD 55-2017, THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY.
 - ASHRAE 62.1 -2016 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY.
 - CLEAN WATER ACT
 - SAFE DRINKING WATER ACT
 - NPDES PERMITS AND OTHER FEDERAL, STATE, AND LOCAL ENVIRONMENTAL AND SANITARY/HEALTH RULES, REGULATIONS, AND REQUIREMENTS, AS APPLICABLE.
 - ARCHITECTURAL BARRIERS ACT.
 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES.
 - AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS (AASHTO) POLICIES AND GUIDELINES FOR THE DESIGN OF HIGHWAYS, STREETS, PAVEMENTS, AND ROADSIDE SAFETY.

TYPE V-B CONSTRUCTION - STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY THIS CODE.
 TYPE V-B - NOT ALL BUILDING ELEMENTS ARE RATED.

FIRE ALARM NOT REQUIRED.

THE BASIC ALLOWABLE HEIGHT AND AREA FROM TABLES 504.3, 504.4 IS AS FOLLOWS:

- ALLOWABLE HEIGHT: 1 STORY, 40 FEET FOR V-B, S-1 OCCUPANCY

MEZZANINE LESS THAN 1/3 FLOOR AREA OF ROOM FROM SECTION 505.2 (OKAY)

THE ALLOWABLE AREA PER TABLE 506.2 FOR S-1 OCCUPANCY:

- S-1 - 9,000 SF PER STORY (1 STORY ALLOWED)
- TOTAL GROSS PROPOSED BUILDING AREA = 4,057 SQUARE FEET (OKAY)
- BUILDING COMPLIES WITH SECTION 903.2.9.1 OF THE IBC AND IS NOT DICTATED TO RECEIVE AN AUTOMATIC SPRINKLER SYSTEM.

INCIDENTAL USES FROM TABLE 509

- NONE APPLICABLE. PER 509.4.1 FOR TYPE VB.

IBC 2021 CODE ANALYSIS - CONTINUED
 FIRE-RESISTANCE RATING REQUIREMENTS FOR THE BUILDING IS AS FOLLOWS:

- ELEMENTS FROM TABLE 601 FOR TYPE V-B, ALL ELEMENTS = 0 HOURS

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS IS AS FOLLOWS:

- BASED ON FIRE SEPARATION DISTANCE FROM TABLE 602 IF FIRE SEPARATION DISTANCE $X \geq 30$ FEET, FOR ALL CONSTRUCTION TYPES = 0 HOURS

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION FROM TABLE 705.8 IS AS FOLLOWS:

- IF FIRE SEPARATION DISTANCE IS 30 FEET OR GREATER FOR UNPROTECTED, NON-SPRINKLERED (UP, NS) OPENINGS = NO LIMIT

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY FROM TABLE 803.11 FOR GROUP S-1 (MOST RESTRICTIVE) NON-SPRINKLERED:

- EXIT ENCLOSURES AND EXIT PASSAGeways = B
- CORRIDORS = B
- ROOMS AND ENCLOSED SPACES = C

OCCUPANT LOAD FACTOR FROM TABLE 1004.5

- BUSINESS AREAS - OCCUPANT LOAD FACTOR - 150 GROSS (NFPA 101 SAME)
- STORAGE AREAS - OCCUPANT LOAD FACTOR - 300 GROSS (NFPA 101 SAME)
- LOCKER ROOMS - OCCUPANT LOAD FACTOR - 50 GROSS
- TOTAL BUILDING OCCUPANT LOAD - 24 OCCUPANTS WITH SPACES CALCULATED INDIVIDUALLY PER PLAN

MINIMUM CORRIDOR REQUIREMENTS FROM SECTION 1020.1

- MINIMUM CORRIDOR RATING, IF SERVING MORE THAN 30 OCCUPANTS IN S OCCUPANCY WITHOUT SPRINKLER SYSTEM = 1 HOUR | CORRIDORS SERVE LESS THAN 30 OCCUPANTS THEREFORE RATING IS NOT NEEDED.
- 1020.6 EXCEPTION #1 FOYERS, LOBBIES OR RECEPTION ROOMS CONSTRUCTED AS REQUIRED FOR CORRIDORS SHALL NOT BE CONSTRUED AS INTERVENING ROOMS.

PER TABLE 1020.2 - MINIMUM CORRIDOR WIDTH = 36 INCHES
 EGRESS WIDTH REQUIREMENTS PER 1005.3.2 - OTHER

- EGRESS COMPONENTS = $24 \times 0.2 = 4.8$ INCHES REQUIRED

COMMON PATH OF EGRESS TRAVEL FROM TABLE 1006.2.1

- SHALL NOT EXCEED 100 FEET FOR OCCUPANT LOAD LESS THAN 30

SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY FROM TABLE 1006.3.3(2)

- FOR S OCCUPANCY, MAXIMUM OCCUPANT LOAD = 29

IBC 2021 CODE ANALYSIS - CONTINUED
 EXIT ACCESS TRAVEL DISTANCE FROM TABLE 1017.2

- FOR OCCUPANCY S-1, WITHOUT SPRINKLER SYSTEM = 200 FEET

DEAD END CORRIDORS FROM SECTION 1020.4 = NO MORE THAN 20 FEET IN A NON-SPRINKLERED FACILITY.

MINIMUM NUMBER OF PLUMBING FIXTURES PER IBC TABLE 2902.1 BASED ON S OCCUPANCY (MOST RESTRICTIVE IN REGARD TO PLUMBING FIXTURES) = 12 MALES, 12 FEMALES

- WATER CLOSETS: 1 PER 100 OCCUPANTS
 - WATER CLOSETS REQUIRED: 1 UNISEX
- LAVATORIES: 1 PER 100 OCCUPANTS
 - REQUIRED: 1 UNISEX
 - 1 ACCESSIBLE SHOWER PROVIDED
- DRINKING FOUNTAIN: 1 PER 100 REQUIRED, 1 HIGH AND 1 LOW PROVIDED
- SERVICE SINK: 1 REQUIRED, 1 PROVIDED

NFPA 101 2021 CODE ANALYSIS
 OCCUPANCY: STORAGE
 CONSTRUCTION TYPE: V-000
 STORIES: 1
 NON-SPRINKLERED

PER CHAPTER 42
 OCCUPANCY: STORAGE
 STORIES: 1
 CONSTRUCTION TYPE: V-000 NON-SPRINKLERED

PER NFPA 101 TABLE 12.1.6. -
 V-000, NON-SPRINKLERED, SINGLE STORY, BUILDINGS ALLOWED FOR STORAGE BUILDINGS WITH AN OCCUPANT LOAD OF 300 OR LESS

PER NFPA 220 TABLE 4.1.1 -
 TYPE V-000 - BUILDING ELEMENTS REQUIRE NO RATING.

PER 42.1.5 AND 6.2 - CLASSIFICATION OF HAZARD CONTENTS - ORDINARY
 PER 42.2.5 - ARRANGEMENTS OF MEANS OF EGRESS IS AS FOLLOWS:

- DEAD-END CORRIDOR = 50' MAXIMUM
- COMMON PATH OF TRAVEL = 50' MAXIMUM

PER 42.2.6. - MAXIMUM TRAVEL DISTANCE TO EXITS = 200'

NFPA 101 2021 CODE ANALYSIS - CONTINUED
 PER 42.3.6 - CORRIDORS - TO HAVE A MIN. 1-HOUR FIRE RESISTANCE RATING IF SERVING AN OCCUPANT LOAD GREATER THAN 30 | CORRIDORS SERVE LESS THAN 30 OCCUPANTS THEREFORE RATING IS NOT NEEDED.

PER NFPA 220 TABLE 4.1.1 - TYPE V-000	BUILDING ELEMENT	HOURS
	EXTERIOR BEARING WALLS	0
	INTERIOR BEARING WALLS	0
	COLUMNS	0
	BEAMS, GIRDERS, TRUSSES	0
	FLOOR-CEILING ASSEMBLIES	0
	ROOF-CEILING ASSEMBLIES	0
	INTERIOR NONBEARING WALLS	0
	EXTERIOR NONBEARING WALLS	0

PER 12.2.1.2 ALL SHOWERS, IF INSTALLED, SHALL RECEIVE GRAB BARS.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: **R.M.**
 Typed or Printed Name: Rebecca Muchow
 Date: 01/20/24 License Number: 52502

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 ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY

**RYDELL NATIONAL WILDLIFE REFUGE
 MAINTENANCE SHOP**
 ERSKINE, MN

CODE PLAN

PROJECT NUMBER: 22-RF-027

DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL 124G0	DRAWING NO: 3R-MN-1176-124	SHEET 3 OF 64	

G3

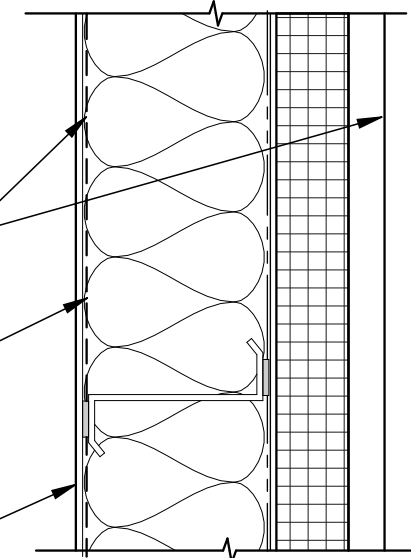
WALL ASSEMBLIES

**SEE STRUCTURAL DRAWINGS FOR ANY SPECIAL CONSIDERATIONS FOR INTERIOR SHEAR AND BEARING WALLS

EXTERIOR WALL SYSTEM BY METAL BUILDING MANUFACTURER. SEE SPECIFICATION 133419. R-13 CAVITY INSULATION + R-17 CONTINUOUS INSULATION OR INSULATED METAL PANEL

VAPOR RETARDER BY BUILDING MANUFACTURER

PRE-FINISHED METAL LINER PANEL ON VEHICLE SERVICE SIDE

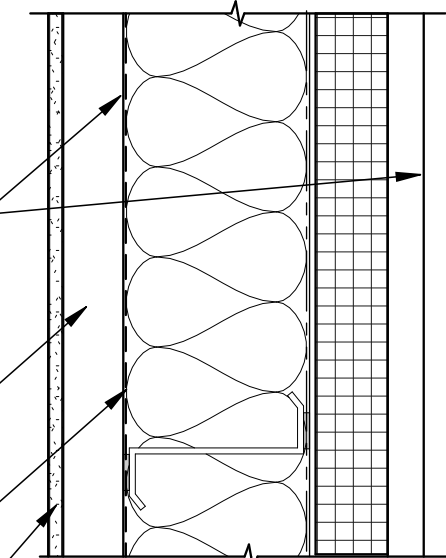


EXTERIOR WALL SYSTEM BY METAL BUILDING MANUFACTURER. SEE SPECIFICATION 133419. R-13 CAVITY INSULATION + R-17 CONTINUOUS INSULATION OR INSULATED METAL PANEL

2 1/2" METAL STUDS AT 16" O.C. TO UNDERSIDE OF MEZZANINE DECK

VAPOR RETARDER BY BUILDING MANUFACTURER

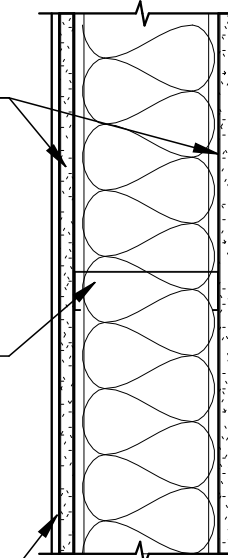
5/8" GYP BD, TYP.



5/8" GYP BD BOTH SIDES, TYP.

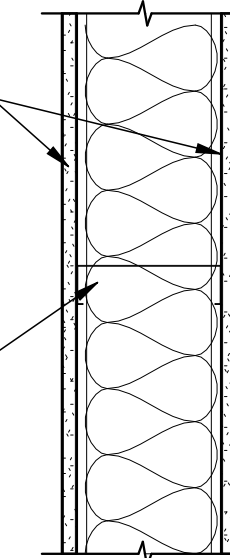
6" METAL STUDS AT 16" O.C. W/ SOUND BATT INSULATION

PRE-FINISHED METAL LINER PANEL ON VEHICLE SERVICE SIDE ONLY



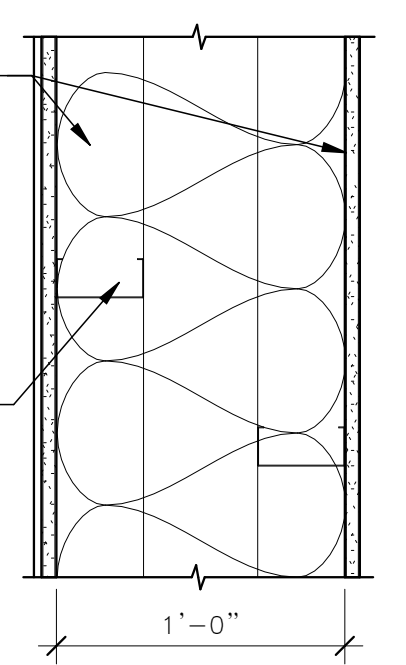
5/8" GYP BD BOTH SIDES, TYP.

6" METAL STUDS AT 16" O.C. W/ SOUND BATT INSULATION



5/8" GYP BD BOTH SIDES, TYP.

STAGGERED 3-5/8" METAL STUDS AT 16" O.C. W/ SOUND BATT INSULATION



1 METAL WALL SYSTEM EXTERIOR WALL ASSEMBLY INTERIOR WALL ASSEMBLY

2 METAL WALL SYSTEM EXTERIOR WALL ASSEMBLY INTERIOR WALL ASSEMBLY

WALL TYPE NOTES:
1. PROVIDE FIBERGLASS REINFORCED PANEL AND WATER RESISTANT GYPSUM BOARD ON RESTROOM SIDE OF WALL. SEE FINISH PLAN AND SCHEDULE ALSO.

3 PARTITION INTERIOR WALL ASSEMBLY

WALL TYPE NOTES:
1. PROVIDE FIBERGLASS REINFORCED PANEL AND WATER RESISTANT GYPSUM BOARD ON RESTROOM SIDE OF WALL. SEE FINISH PLAN AND SCHEDULE ALSO.

4 PARTITION INTERIOR WALL ASSEMBLY

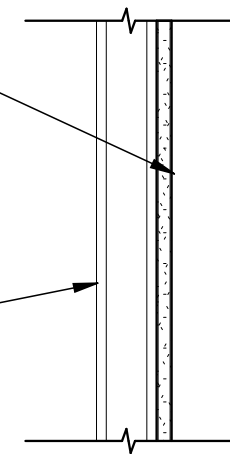
WALL TYPE NOTES:
1. PROVIDE FIBERGLASS REINFORCED PANEL AND WATER RESISTANT GYPSUM BOARD ON RESTROOM SIDE OF WALL. SEE FINISH PLAN AND SCHEDULE ALSO.

5 PARTITION INTERIOR WALL ASSEMBLY

WALL TYPE NOTES:
1. PROVIDE FIBERGLASS REINFORCED PANEL AND WATER RESISTANT GYPSUM BOARD ON RESTROOM SIDE OF WALL. SEE FINISH PLAN AND SCHEDULE ALSO.

5/8" GYP BD, TYP.

2 1/2" METAL STUDS AT 16" O.C.



6 PARTITION INTERIOR WALL ASSEMBLY

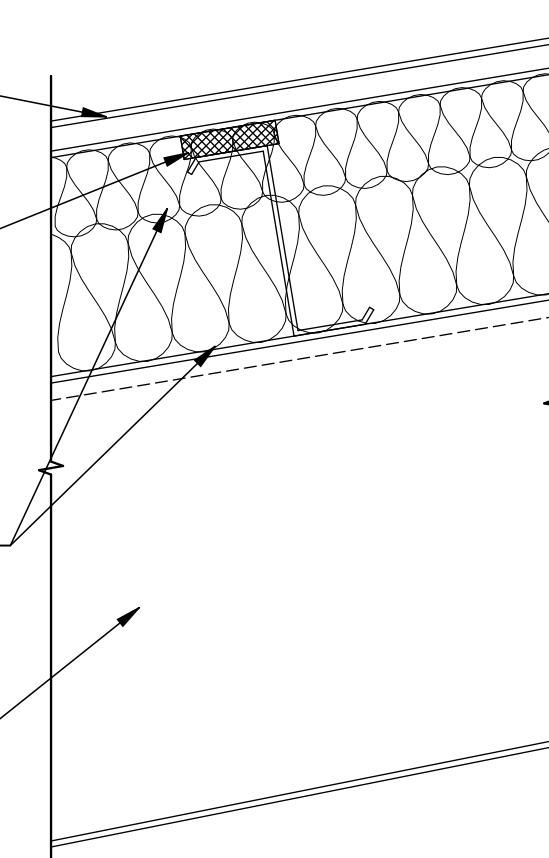
ROOF AND FLOOR ASSEMBLIES

METAL ROOF SYSTEM BY METAL BUILDING MANUFACTURER. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

THERMAL BLOCK

ROOF SYSTEM BY METAL BUILDING MANUFACTURER. SEE SPECIFICATION 133419. R-30 INSULATION + R-11 LINER SYSTEM.

STEEL FRAME BY METAL BUILDING MANUFACTURER



A METAL ROOF SYSTEM ROOF ASSEMBLY

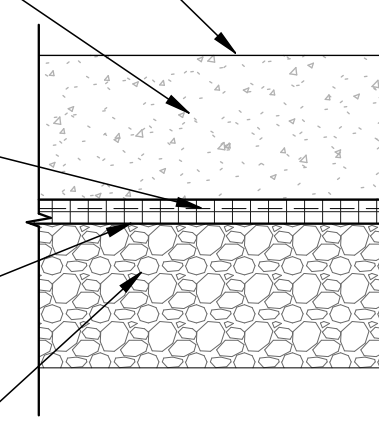
FLOOR FINISH - SEE FINISH PLAN AND SCHEDULE.

CONCRETE SLAB OVER VAPOR BARRIER, SEE STRUCTURAL DRAWINGS

VAPOR BARRIER, SEE STRUCTURAL DRAWINGS

R-5 UNDERSLAB INSULATION

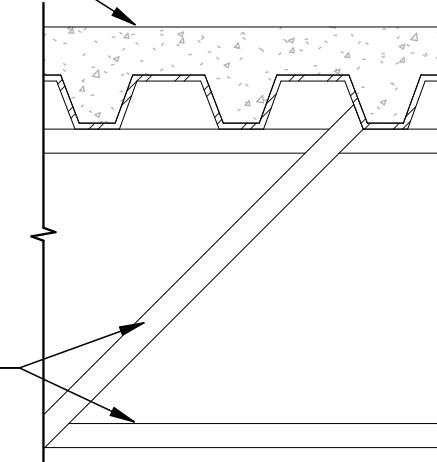
DRAINAGE COURSE - SEE STRUCTURAL DRAWINGS



B SLAB ON GRADE SYSTEM FLOOR ASSEMBLY

4" CONCRETE ON 1 1/2" METAL DECK, SEE STRUCTURAL DRAWINGS

STEEL JOISTS, SEE STRUCTURAL DRAWINGS



C CONC. FLOOR ASSEMBLY

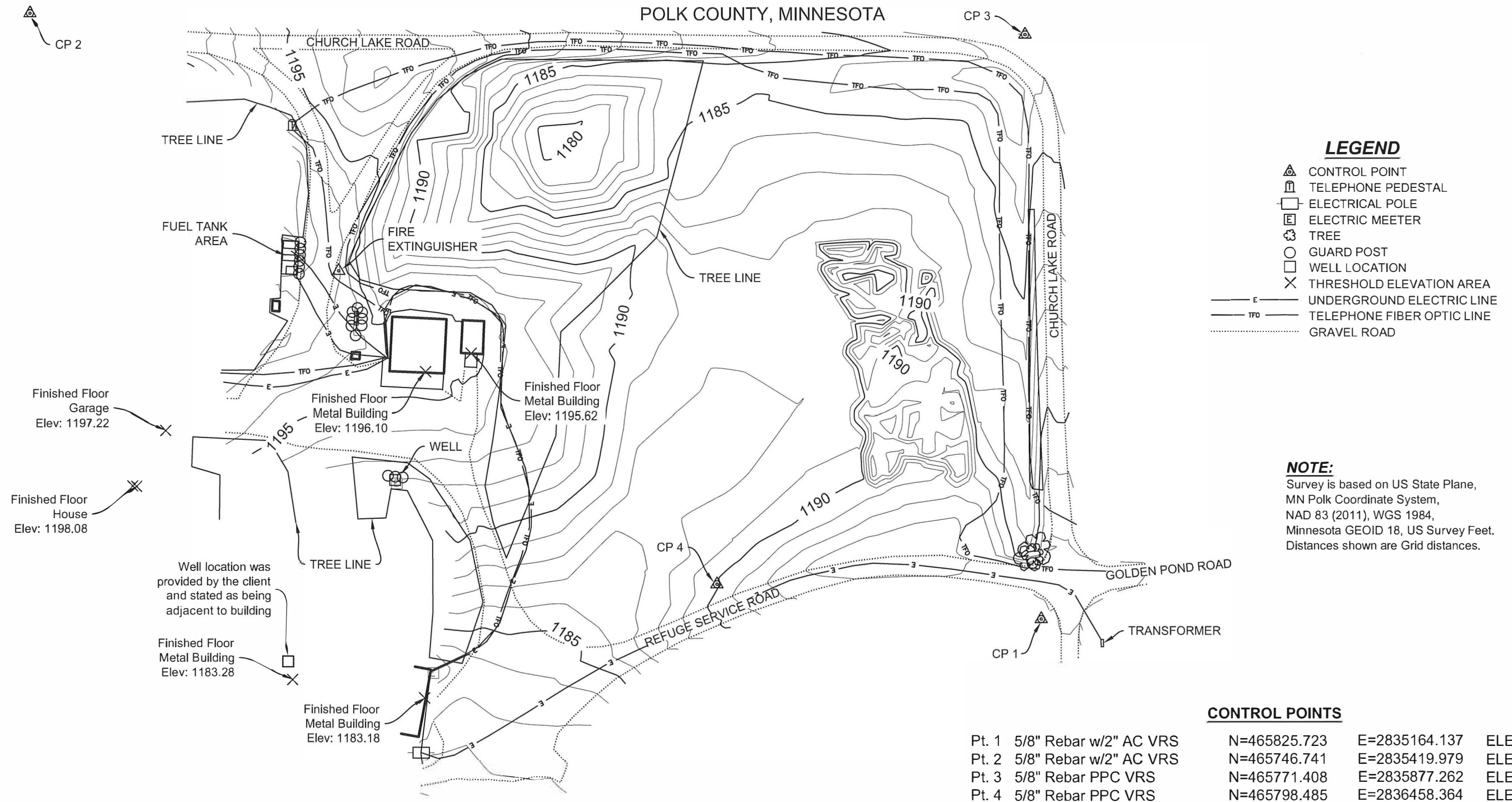
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ADJUST SCALES ACCORDINGLY. IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
ASSEMBLY DETAILS			
PROJECT NUMBER: 22-RF-027			
G4	DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024
	CADD:RDL 125G2	DRAWING NO: 3R-MN-1176-125	CHECKED: TDF
			SHEET 4 OF 64

TOPOGRAPHIC SURVEY

RYDELL WILDLIFE REFUGE LOCATED IN THE SOUTHWEST QUARTER OF
SECTION 02, TOWNSHIP 148 NORTH, RANGE 43 WEST, FIFTH PRINCIPAL MERIDIAN,
POLK COUNTY, MINNESOTA



LEGEND

- ▲ CONTROL POINT
- Ⓜ TELEPHONE PEDESTAL
- ELECTRICAL POLE
- Ⓜ ELECTRIC MEETER
- 🌳 TREE
- GUARD POST
- WELL LOCATION
- ✕ THRESHOLD ELEVATION AREA
- E — UNDERGROUND ELECTRIC LINE
- TFO — TELEPHONE FIBER OPTIC LINE
- ⋯ GRAVEL ROAD

NOTE:

Survey is based on US State Plane,
MN Polk Coordinate System,
NAD 83 (2011), WGS 1984,
Minnesota GEOID 18, US Survey Feet.
Distances shown are Grid distances.

CONTROL POINTS

Pt. 1	5/8" Rebar w/2" AC VRS	N=465825.723	E=2835164.137	ELEV=904.68'
Pt. 2	5/8" Rebar w/2" AC VRS	N=465746.741	E=2835419.979	ELEV=907.66'
Pt. 3	5/8" Rebar PPC VRS	N=465771.408	E=2835877.262	ELEV=908.47'
Pt. 4	5/8" Rebar PPC VRS	N=465798.485	E=2836458.364	ELEV=907.52'

SURVEYOR'S CERTIFICATE

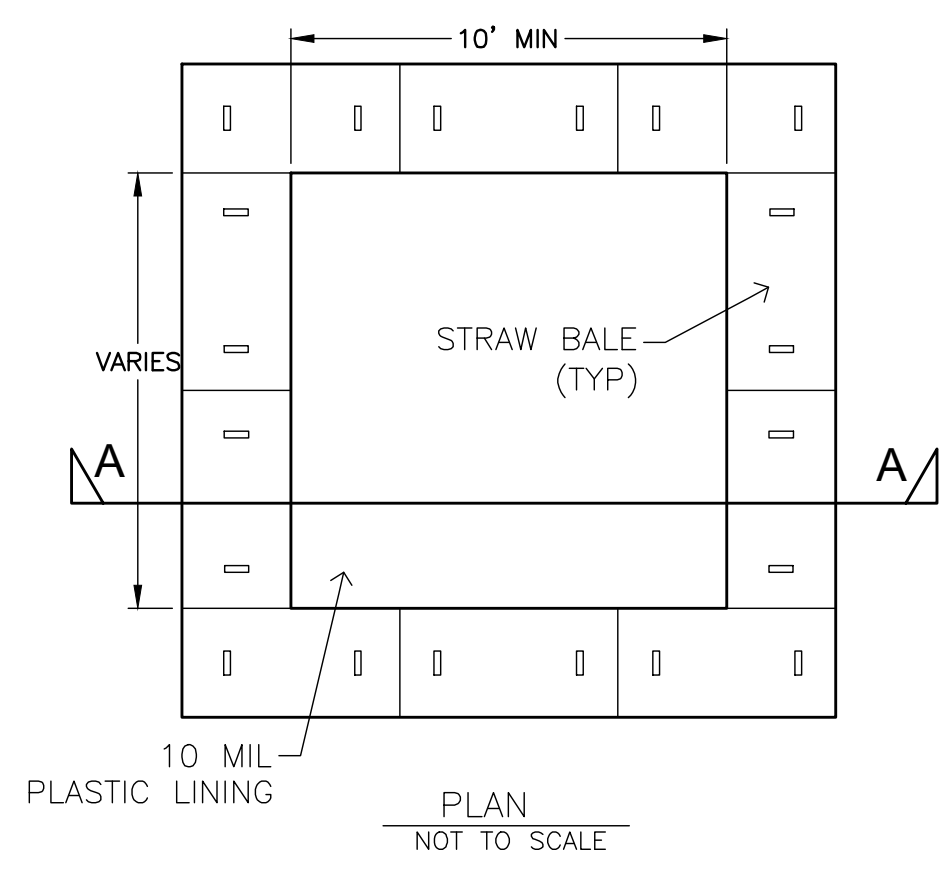
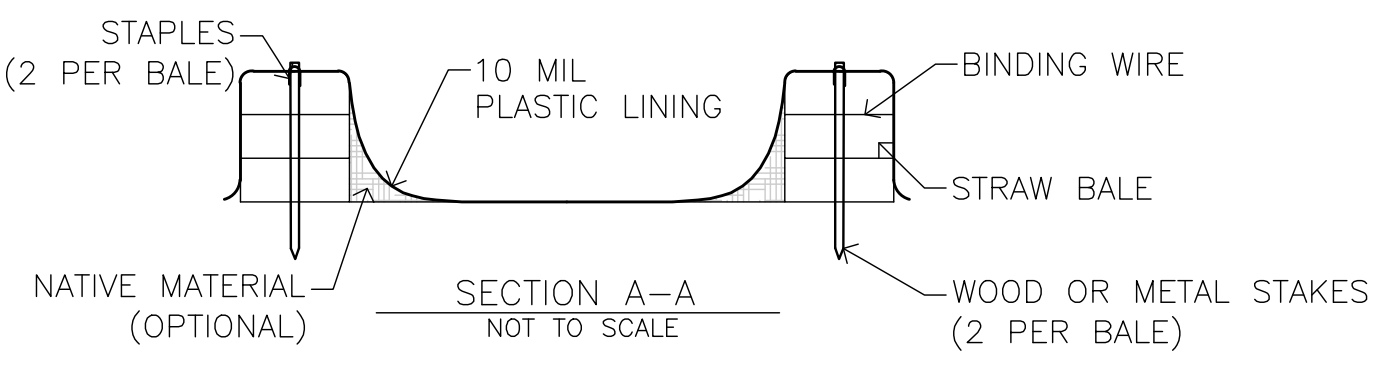
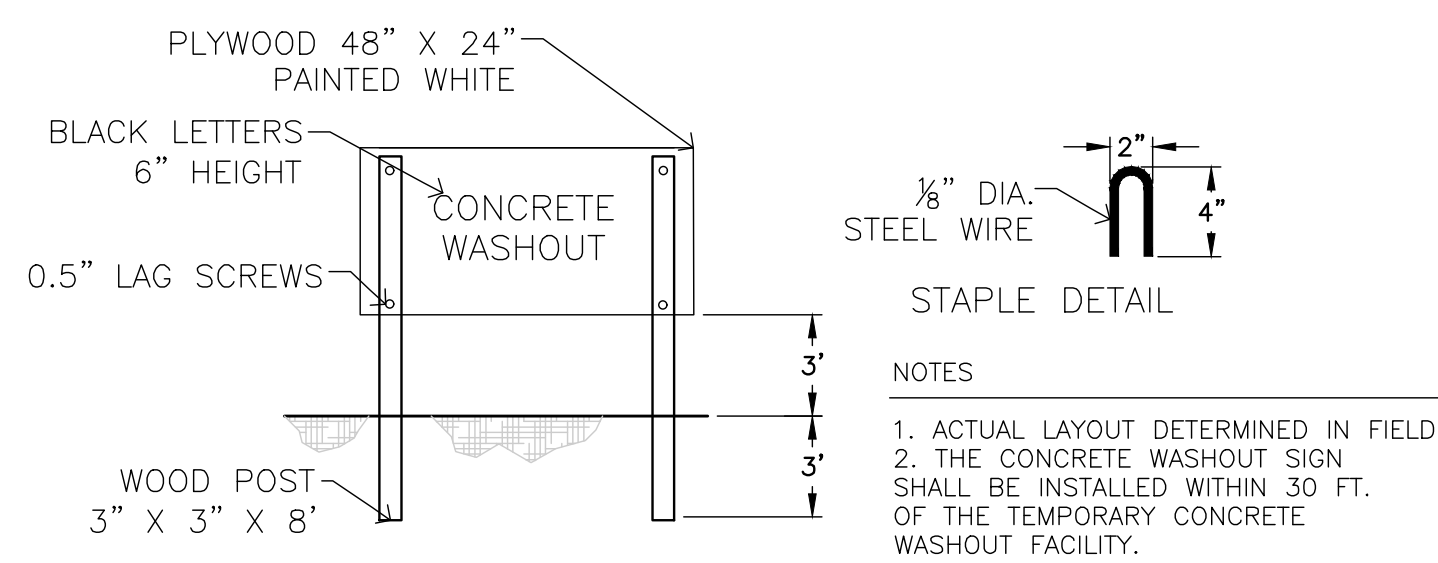
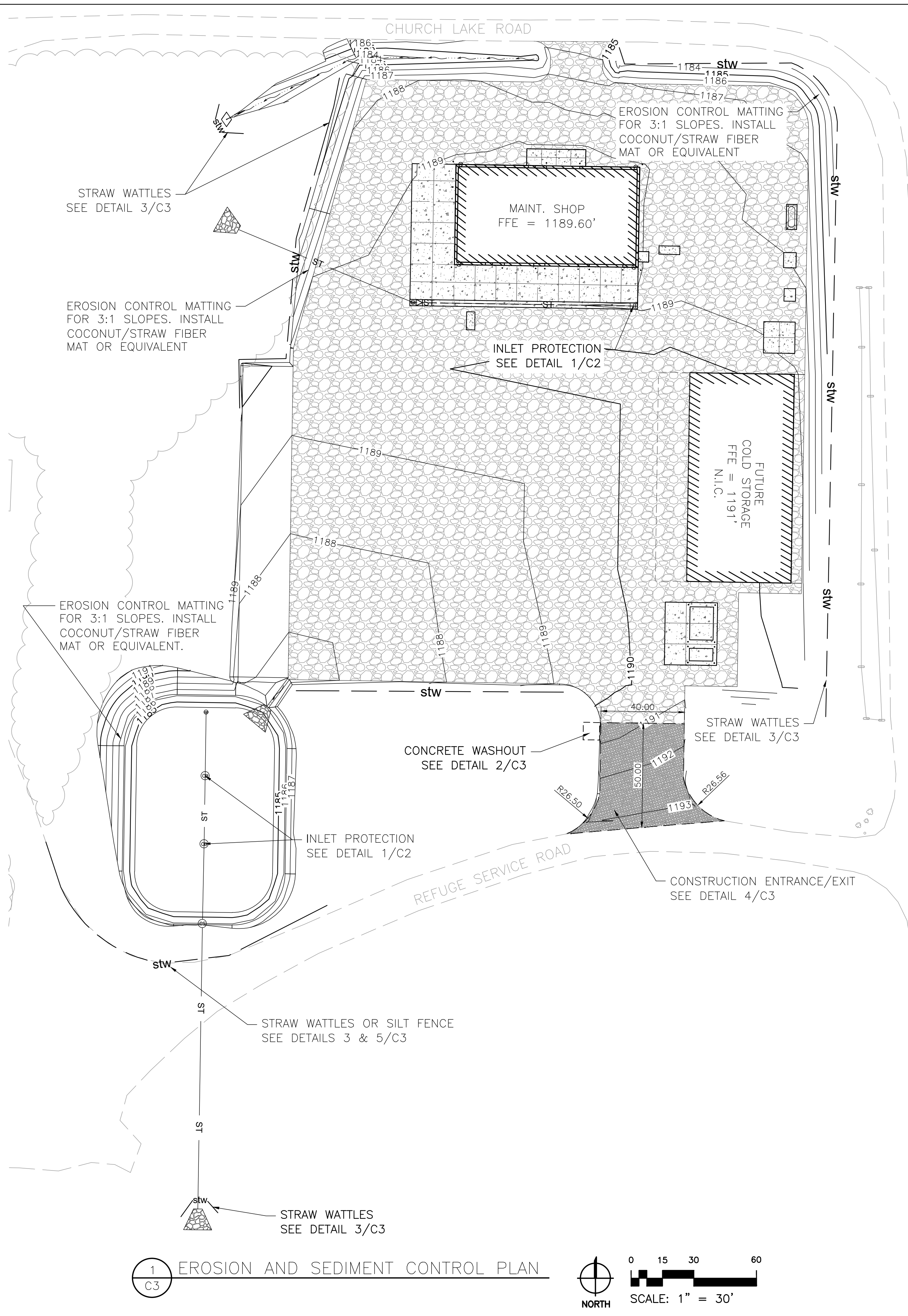
I, Jarrett Leas, Professional Land Surveyor, M.N. PLS No. LS-42619, do hereby certify that the tract survey shown hereon was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief.

Jarrett Leas
Jarrett Leas
M.N. PLS No. LS-42619

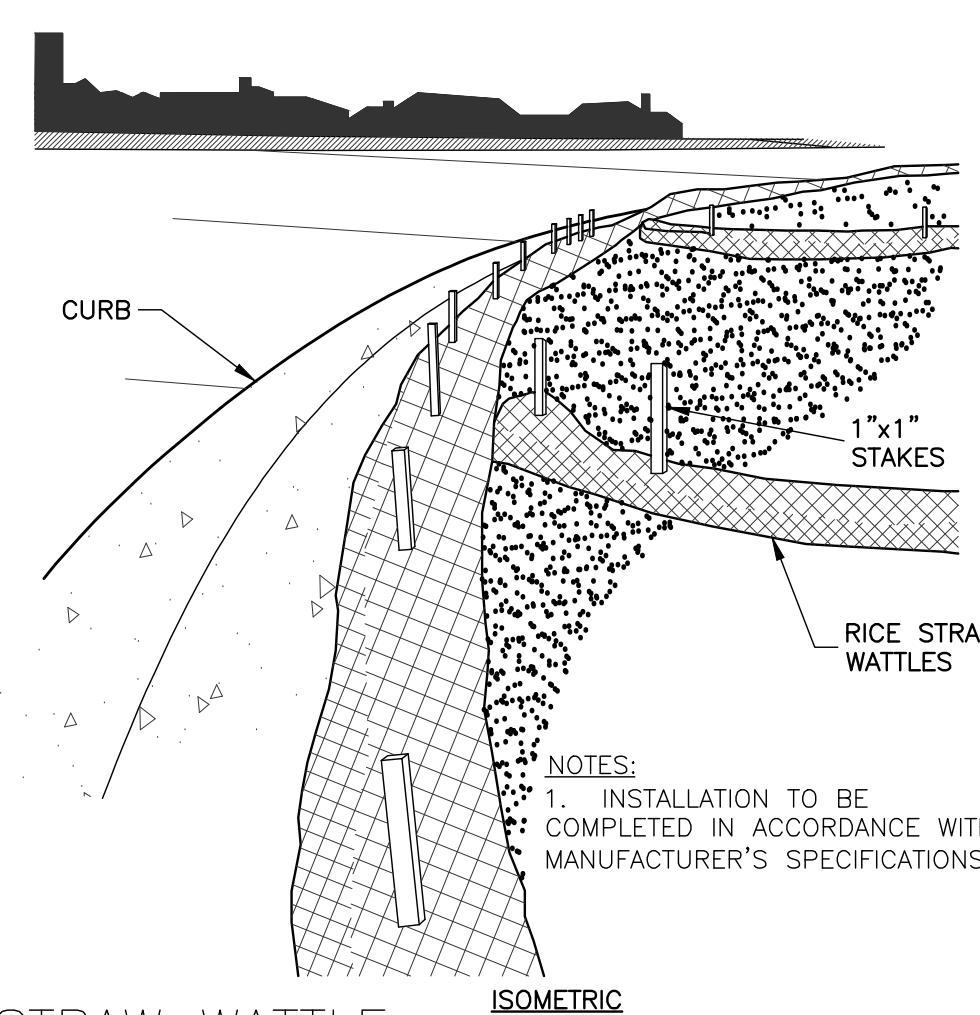
1/10/2024



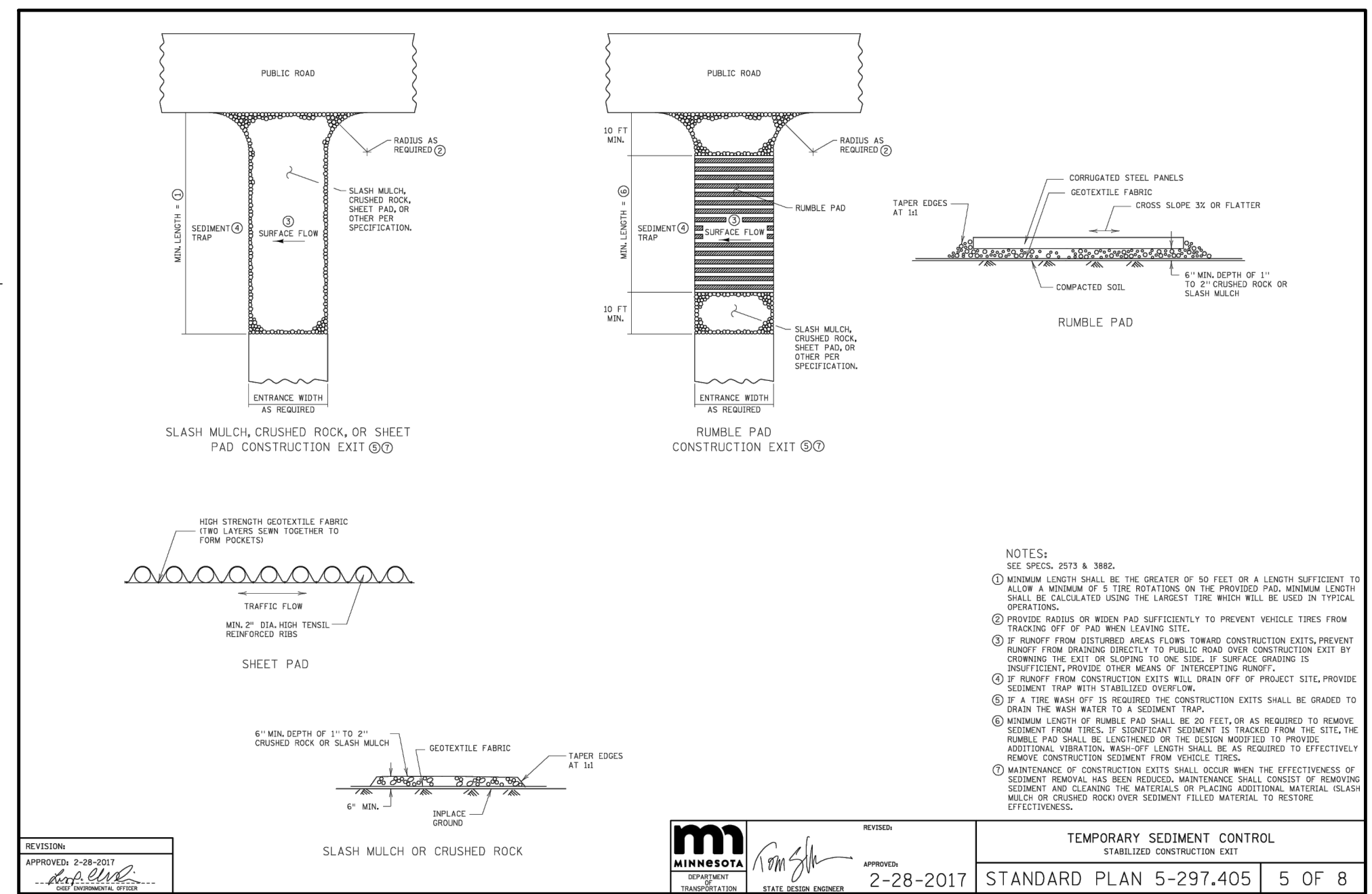
Rev'd. 11/10/2024	Field Book:		
TOPOGRAPHIC SURVEY			
CTA INC. dba CUSHING TERRELL			
800 W MAIN ST, SUITE 800, BOISE, ID 83702			
SHEET NO. 1			
SOUTHWEST QUARTER SEC 02, T148N, R43W, 5TH P.M. POLK COUNTY MINNESOTA			
DRWN BY CA	CHKD BY JL	PROJECT NO. 2324-01043	DATE 07/26/2023



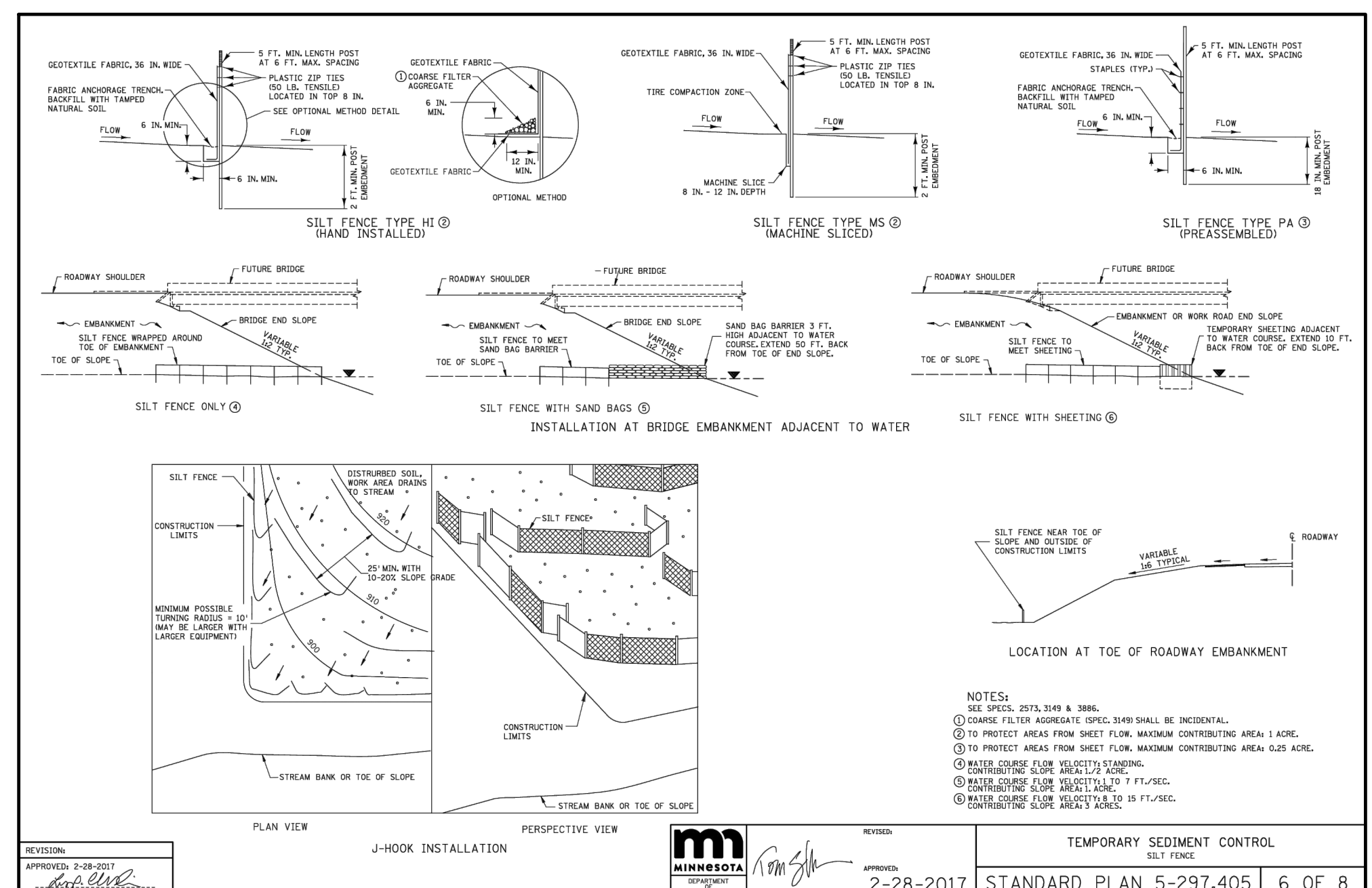
2 CONCRETE WASHOUT NOT TO SCALE



3 STRAW WATTLE NOT TO SCALE



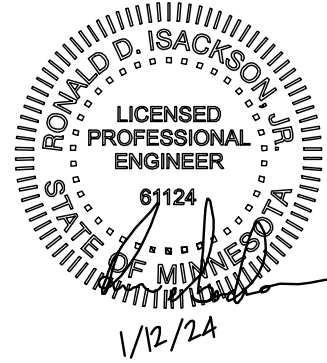
4 STABILIZED CONSTRUCTION ENTRANCE/EXIT NOT TO SCALE

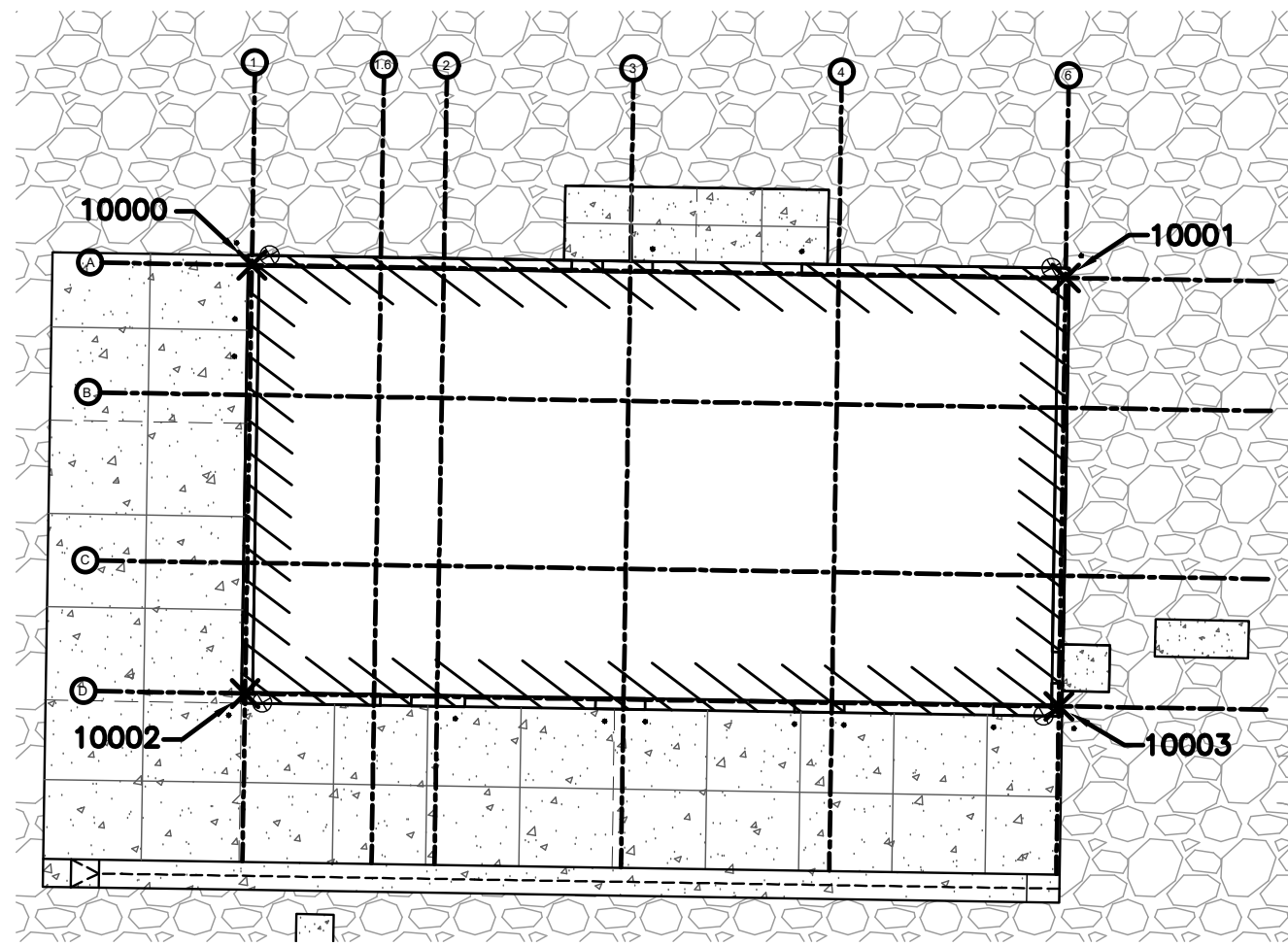


5 SILT FENCE NOT TO SCALE

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0" = 1"
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REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK, COUNTY ERSKINE, MN			
EROSION AND SEDIMENT CONTROL PLAN			
PROJECT NUMBER: 22-RF-027			
DESIGNED: CPM	DRAWN: CPM	DATE: 01.12.2024	CHECKED: TDF
CADD: RDL129CO	DRAWING NO: 3R-MN-1176-129	SHEET 08 OF 64	





BUILDING GRID HORIZONTAL CONTROL			
POINT #	NORTHING	EASTING	DESCRIPTION
10000	159208.51	565674.57	GRID A-1
10001	159207.13	565761.81	GRID A-6
10002	159162.60	565673.84	GRID D-1
10003	159161.22	565761.08	GRID D-6

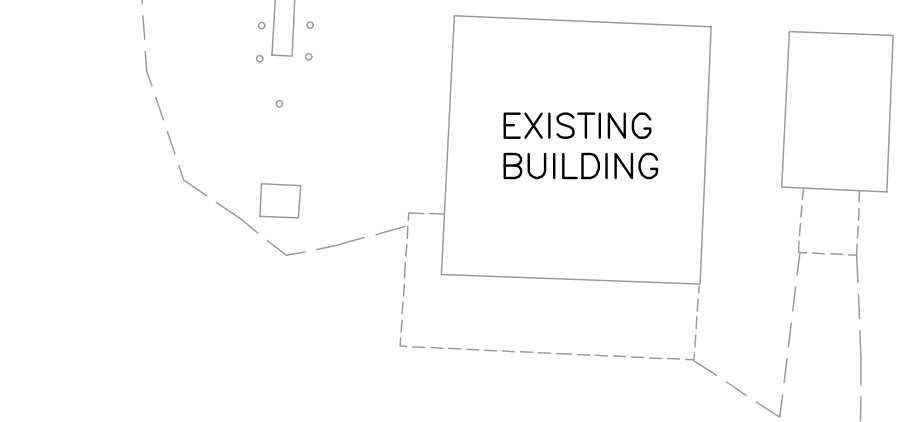
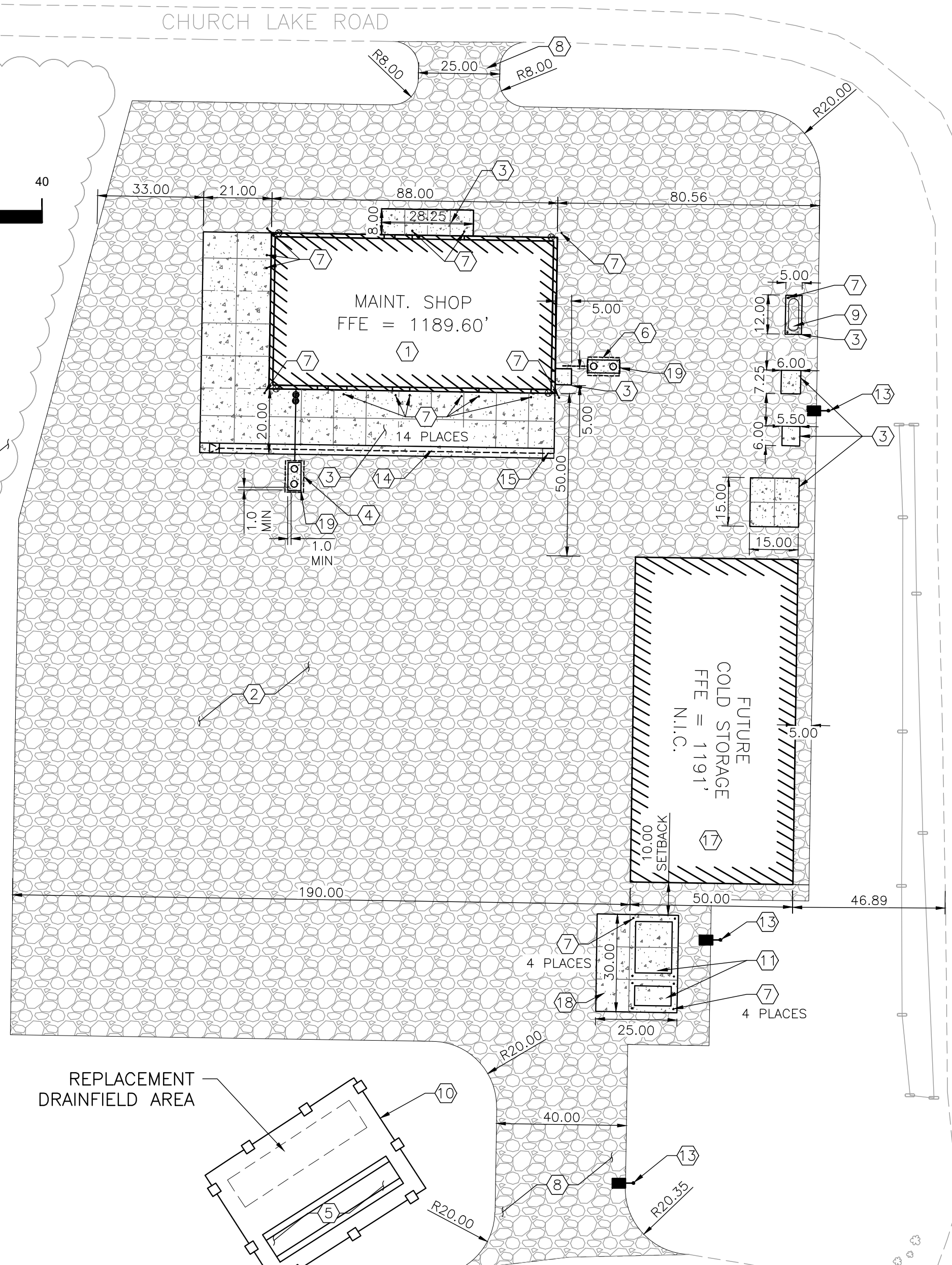
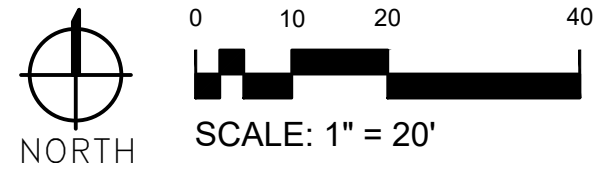
CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL REFER TO BUILDING PLANS FOR LOCATION AND DIMENSIONS OF SLOPED PAVING, EXIT PORCHES, TRUCK DOCKS, BUILDING DIMENSIONS, BUILDING ENTRANCE LOCATIONS, TOTAL NUMBER, LOCATIONS AND SIZES OF ROOF DOWNSPOUTS.
2. ALL TRAFFIC CONTROL SIGNS SHALL BE FABRICATED AS SHOWN IN THE NATIONAL MANUAL ON UNIFORM CONTROL DEVICES FOR STREETS AND HIGHWAYS EXCEPT AS NOTED ON THE PLANS.
3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
4. ALL WORK ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

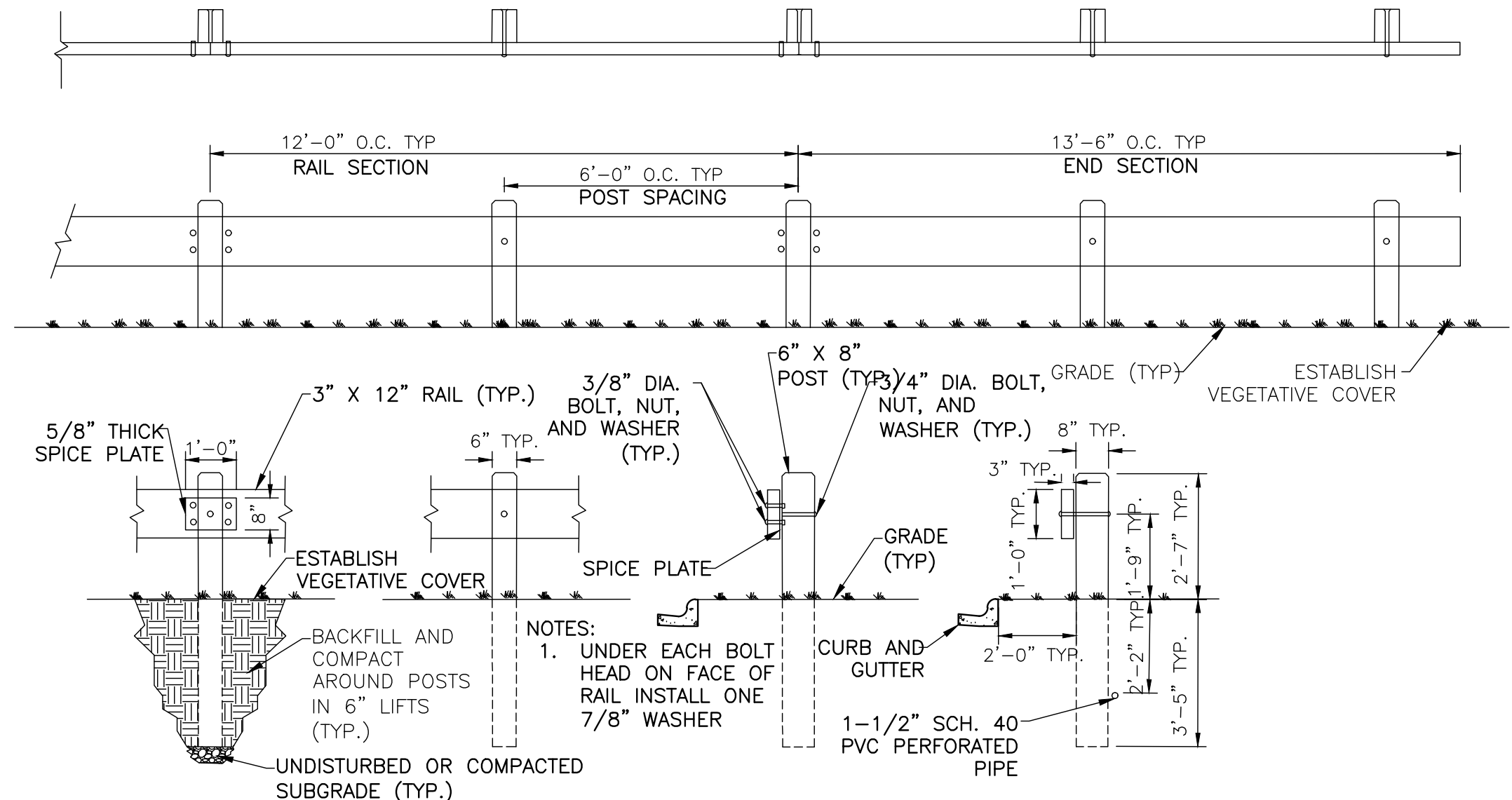
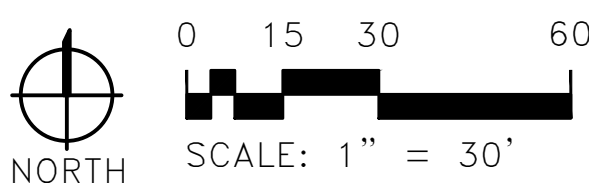
KEY NOTES

1. MAINTENANCE SHOP. SEE ARCHITECTURE.
2. CONSTRUCT GRAVEL MAINTENANCE YARD PER DETAILS 1/C7.
3. CONCRETE SLABS. SEE DETAIL 5/C7.
4. SEPTIC TANK. SEE DETAIL 3/C8.
5. SEPTIC DRAINFIELD. SEE DETAIL 1/C8.
6. 500 GALLON HOLDING TANK. SEE PLUMBING PLANS.
7. BOLLARDS. SEE DETAIL 8/C7.
8. GRAVEL ENTRANCE. SEE DETAIL 1/C7.
9. 500 GALLON PROPANE TANK ON CONCRETE PAD WITH BOLLARDS. SEE PLUMBING PLANS.
10. TIMBER SPLIT RAIL FENCE WITH DOUBLE LEAF SWING GATE AROUND DRAINFIELD AND REPLACEMENT DRAINFIELD AREAS. SEE DETAIL 3/C4.
11. 1000 GALLON BULLET PROOF ABOVEGROUND FUEL TANK AND ONE 2000 GALLON DIESEL TANK ON CONCRETE PADS. TANKS NOT IN CONTRACT, PROVIDED BY OTHERS.
12. EXISTING TREES TO REMAIN. RETAIN AND PROTECT PER TREE PROTECTION PLAN.
13. LIGHT POLE. SEE ELECTRICAL PLANS.
14. VALLEY GUTTER. SEE DETAIL 3/C7.
15. CATCH BASIN. SEE DETAIL 6/C7.
16. EXISTING WATER WELL.
17. GRADE FOR FUTURE COLD STORAGE BUILDING AND CONCRETE PAD. FUTURE COLD STORAGE BUILDING AND CONCRETE PAD NOT IN CONTRACT.
18. CONCRETE SLAB. SEE DETAIL 5/C8.
19. CONCRETE SLAB OVER SEWER TANK LIDS. MINIMUM 1' BEYOND RIM EDGES. SEE DETAIL 5/C7.
20. EXISTING TRANSFORMER. SEE ELECTRICAL PLANS.

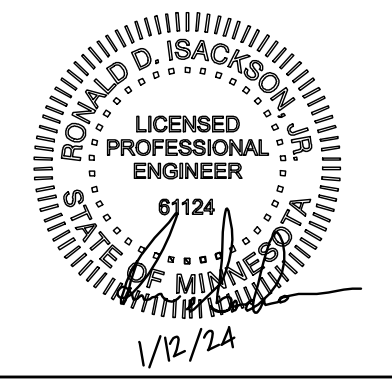
1 MAINTENANCE SHOP OUTLINE LAYOUT



2 SITE PLAN



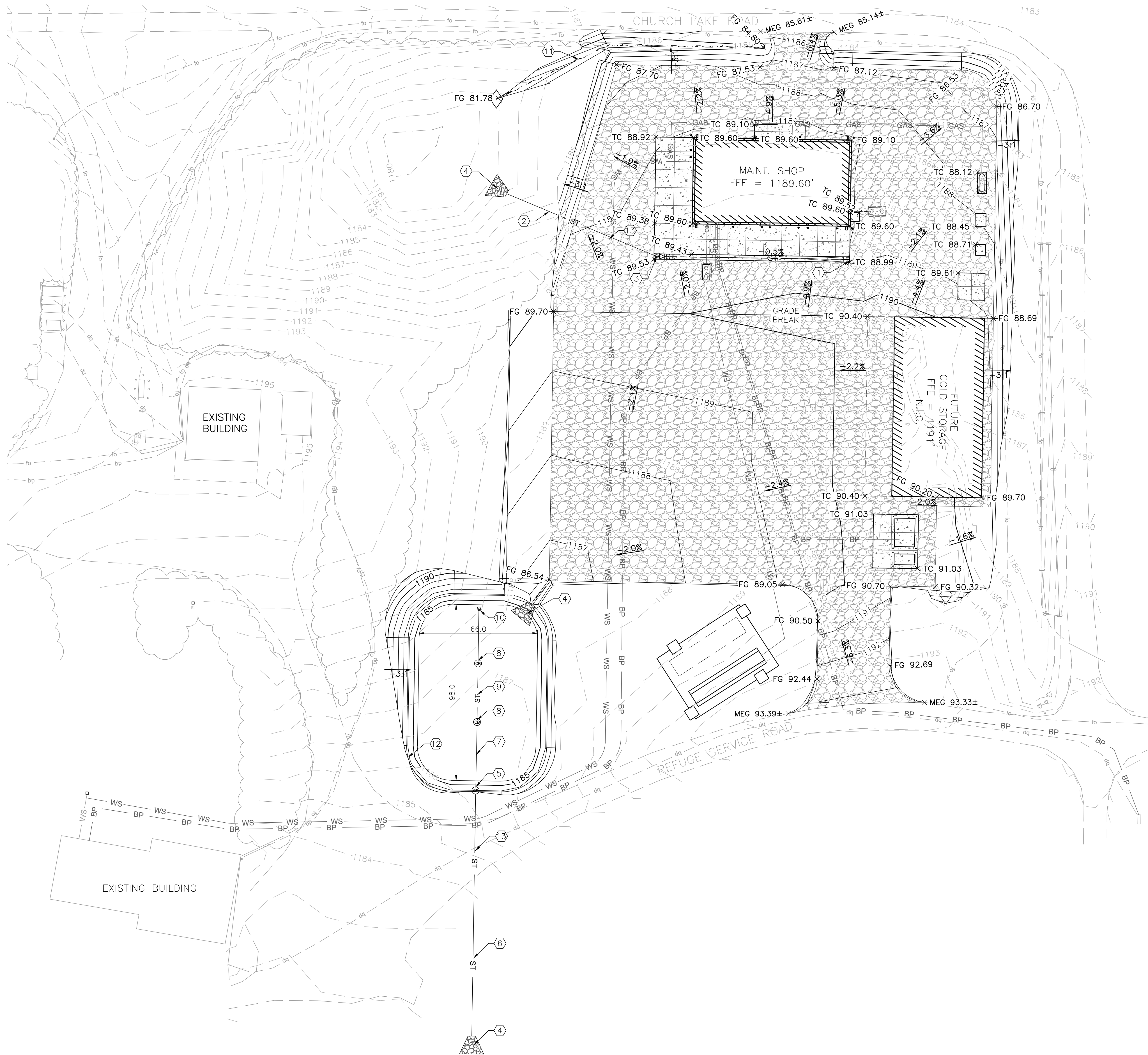
3 TIMBER SPLIT RAIL FENCE



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REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
SITE PLAN			ERSKINE, MN
PROJECT NUMBER: USFWS3_RYDMAINT			
DESIGNED: CPM	DRAWN: CPM	DATE: 01.12.2024	CHECKED: TDF
CADD: RDL130CO	DRAWING NO: 3R-MN-1176-130	SHEET 09 OF 64	

C4



GRADING NOTES

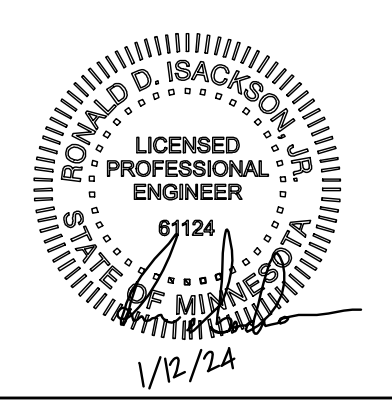
1. SITE GRADING SHALL NOT PROCEED UNTIL THE SWPPP HAS BEEN IMPLEMENTED.
2. ALL EARTHWORK AND GRADING SHALL PROCEED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
3. NO MATERIAL SHALL BE EXCAVATED, MOVED, OR COMPACTED WITHOUT THE PRESENCE OR AUTHORIZATION OF THE GOVERNMENT'S REPRESENTATIVE.
4. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING CONDITIONS AND LOCATE ALL EXISTING UTILITIES PRIOR TO COMMENCING EARTH MOVING OPERATIONS. NOTIFY GOVERNMENT OF ANY UNFORESEEN CONDITIONS.
5. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES, SIGNS AND EXISTING STRUCTURES AND REPAIR BACK TO ORIGINAL CONDITION IF DAMAGE HAS OCCURRED DURING CONSTRUCTION.
6. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
7. GRADES SHOWN REPRESENT FINISH GRADES UNLESS OTHERWISE NOTED.
8. SPOT ELEVATIONS INDICATE TOP OF GRAVEL, UNLESS OTHERWISE INDICATED.
9. FINISHED GRADE SPOT ELEVATIONS HAVE BEEN TRUNCATED. ADD 1100 FOR ACTUAL ELEVATION.
10. EXTERIOR CONCRETE FLATWORK ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDING AND NOT EXCEED 2%. 1% IS THE MINIMUM.
11. PROPOSED GRADE CONTOUR INTERVAL SHOWN AT ONE FOOT (1').
12. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING.
13. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH BUILDING PLANS AND SPECIFICATIONS.

STORMWATER NOTES

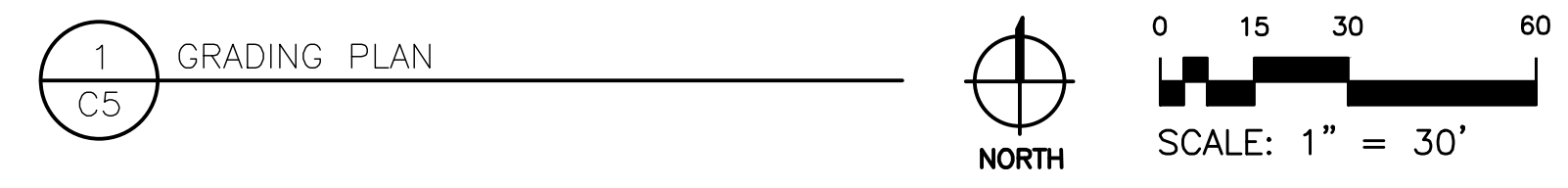
1. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (HS20) LOADING AND BE INSTALLED ACCORDINGLY.
2. TRENCHES SHALL BE PREPARED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
3. ALL PIPE MATERIAL, FITTINGS AND STRUCTURES SHALL FOLLOW THE CONSTRUCTION DRAWINGS. ALL STORMWATER PIPING SHALL BE ADS N-12 OR APPROVED EQUAL.
4. ALL STORMWATER TRENCHING, BEDDING AND PIPE LAYING, SHALL FOLLOW DETAIL 4/C7 AND PROJECT SPECIFICATIONS.
5. ALL JOINTS SHALL BE "WATERTIGHT".
6. PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL FLUSH AND CLEAN ALL STORM DRAINS AND REMOVE ALL FOREIGN MATERIAL FROM THE PIPING, MANHOLES, AND DRAINAGE INLETS.
7. CONTRACTOR SHALL SUPPLY ALL MATERIALS, EQUIPMENT AND FACILITIES REQUIRED FOR TESTING ALL UTILITY PIPES IN ACCORDANCE WITH DETAIL 4/C7 AND PROJECT SPECIFICATIONS. COST OF ALL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE MINIMUM DEPTH OF BURY TO THE TOP OF THE STORMWATER LINES IS 3.0 FT.
9. STORM SEWER PIPE AND MANHOLES SHALL BE TESTED FOR LEAKAGE.

KEY NOTES

1. INSTALL CONCRETE CATCH BASIN WITH VALLEY GUTTER RIM AND GRATE. RIM=1188.87' INV OUT W=1185.21' SEE DETAIL 6/C7.
2. INSTALL 197 LF OF 10" ADS N-12 STORM PIPE @ 1.0%. OUTLET INV=1183.21
3. INSTALL CLEANOUT IN CONCRETE APRON. SEE DETAIL 7/C8.
4. INSTALL RIPRAP APRON. SEE DETAIL 9/C7.
5. INSTALL CONTROL STRUCTURE RIM=1186.7'. INV IN 6" INV=1181.87. INV OUT 10"=1181.87 .SEE DETAIL 7/C7.
6. INSTALL 140 LF OF 10" ADS N-12 @ 0.5%. OUTLET INV=1181.17
7. INSTALL 37 LF OF 6" PERF PIPE @ 0.0%.
8. INSTALL CATCH BASIN WITH BEEHIVE GRATE. RIM=1184.87. INV=1181.87. SEE DETAILS 6/C7 AND 4/C8.
9. INSTALL 33 LF OF 6" PERF PIPE @ 0.0%.
10. INSTALL CLEANOUT. SEE DETAIL 2/C8.
11. CONSTRUCT SWALE. SEE DETAIL 2/C7.
12. CONSTRUCT POND. POND BOTTOM 1184.20'. POND SIZE 98' X 66'.
13. STORM PIPE AND WATER SERVICE CROSSING. SEE DETAIL 10/C7.

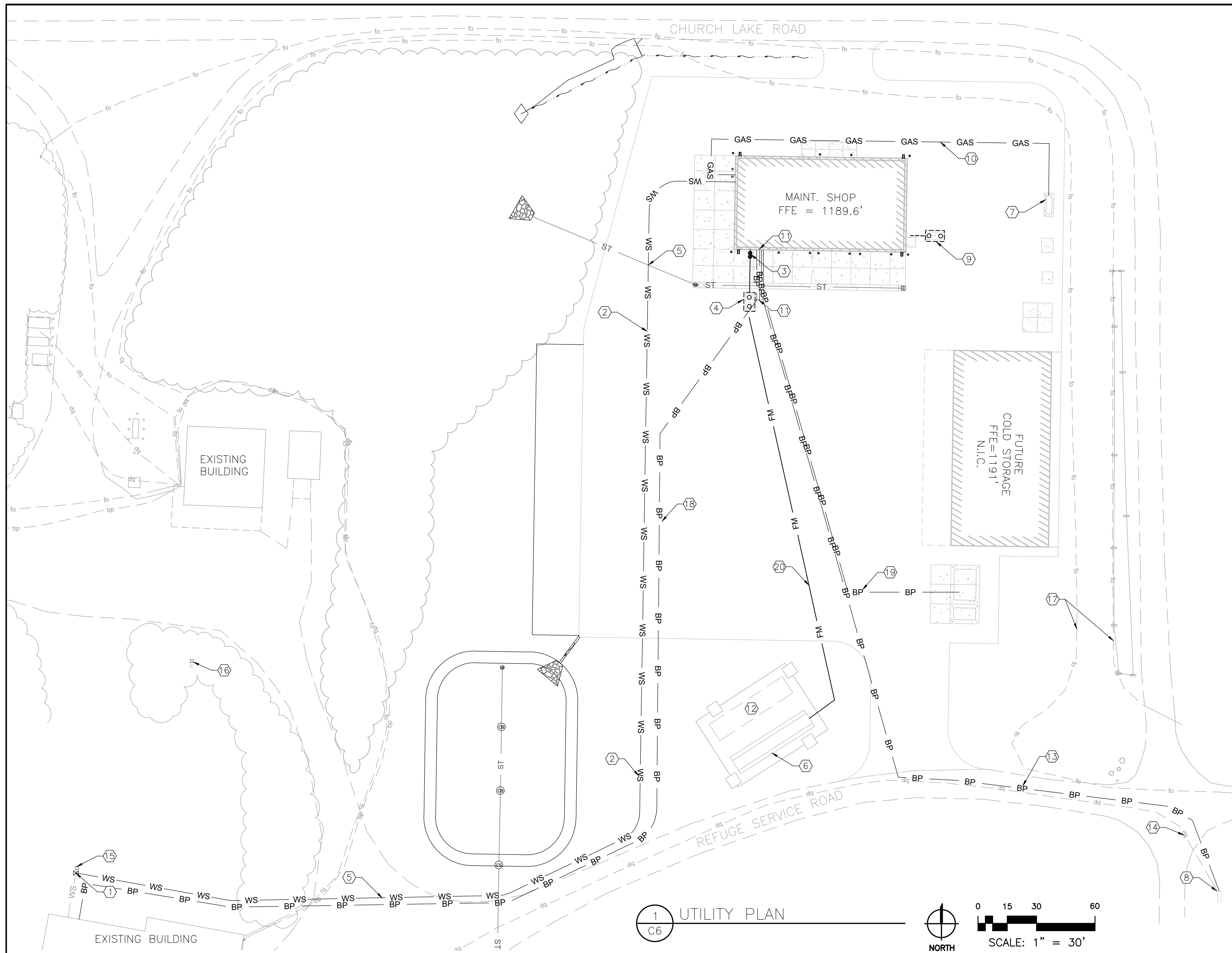


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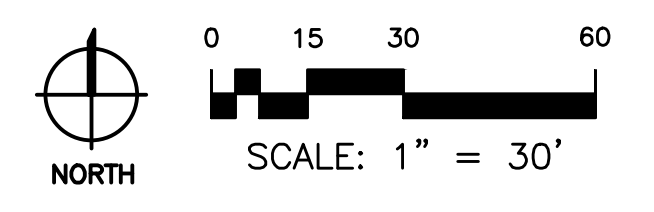


1 GRADING PLAN
C5

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK, COUNTY			ERSKINE, MN
GRADING PLAN			
PROJECT NUMBER: USFWS3_RYDMAINT			
C5	DESIGNED: CPM	DRAWN: CPM	DATE: 01.12.2024
	CADD: RDL131C0	DRAWING NO: 3R-MN-1176-131	CHECKED: TDF
			SHEET 10 OF 64



1 UTILITY PLAN
C6



KEY NOTES

1. CUT EXISTING WATER LINE AND SWITCH TO THE NEW MAINTENANCE SHOP NO MORE THAN 7 DAYS PRIOR TO SUBSTANTIAL COMPLETION OF THE NEW BUILDING. INSTALL 90° BEND AND CORP STOP VALVE WITH VALVE EXTENSION. ABANDON EXISTING WATER LINE IN PLACE. FIELD VERIFY.
2. INSTALL 700 LF OF 2" HDPE WATER PIPE TO MAINTENANCE SHOP. SEE PLUMBING FOR CONTINUATION.
3. INSTALL 22 LF OF 4" PVC SANITARY SERVICE LINE AT 2% SLOPE TO SEPTIC TANK. SEE PLUMBING FOR CONTINUATION AT MAINTENANCE SHOP. SEE PLUMBING DETAIL 7/C8 FOR CLEAN OUTS. INV IN AT BUILDING = 1186.79'
4. INSTALL 1,000 GALLON SEPTIC TANK/DOSING CHAMBER. SEE DETAIL 3/C8.
5. STORM PIPE AND WATER SERVICE CROSSING. SEE DETAIL 10/C7.
6. CONSTRUCT DRAINFIELD. SEE DETAIL 6/C8.
7. INSTALL PROPANE TANK. SEE MECHANICAL.
8. EXISTING TRANSFORMER. SEE ELECTRICAL.
9. INSTALL HOLDING TANK. INVERT IN FROM BUILDING 1186.68. SEE PLUMBING. DO NOT CONNECT TO SEPTIC SYSTEM.
10. INSTALL 231'± PROPANE GAS PIPE. PROPANE TANK TO MAINTENANCE SHOP. SEE MECHANICAL.
11. BURIED POWER TO SEWER DOSING CHAMBER CONTROL PANEL. MOUNT CONTROL PANEL ON BUILDING.
12. FUTURE DRAINFIELD AREA.
13. CONNECT NEW ELECTRICAL SERVICE LINE TO SHOP BUILDING. SEE ELECTRICAL.
14. EXISTING BURIED POWER.
15. EXISTING WATER WELL TO REMAIN INTACT.
16. EXISTING WATER WELL TO BE CAPPED AND ABANDONED AFTER A SUCCESSFUL INSTALLATION OF NEW WATER MAIN PIPING, TREATMENT EQUIPMENT, ETC. UNLESS OTHERWISE DIRECTED BY

17. EXISTING FIBER OPTICS TO REMAIN INTACT.
18. BURIED POWER TO PUMP. SEE ELECTRICAL.
19. BURIED POWER TO AUXILIARY FUEL STORAGE SYSTEM.
20. INSTALL 220 LF 2" PVC SANITARY SEWER FORCE MAIN

WATER NOTES

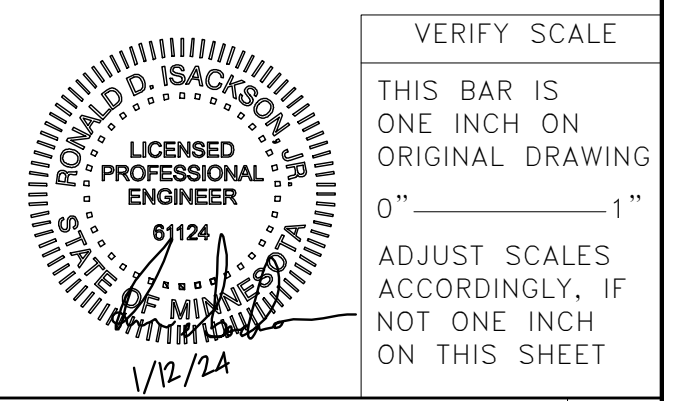
1. UNLESS OTHERWISE NOTED, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND THE AHJ.
2. UNLESS OTHERWISE SPECIFIED, WATER LINES SHALL BE HDPE IN CONFORMANCE WITH AWWA C906. ALL SERVICES AND CONNECTIONS SHALL BE HDPE WITH A PRESSURE RATING OF 160 PSI AND CONFORM TO THE MPCA STANDARDS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY FITTINGS, COUPLINGS, AND SPOOL PIECES FOR CONNECTING NEW UTILITIES TO EXISTING UTILITIES. THESE PLANS MAY NOT SHOW ALL REQUIRED COMPONENTS FOR MAKING THE CONNECTIONS.
4. THE MINIMUM DEPTH OF BURY TO THE TOP OF PIPE FOR WATER LINES IS 7.0 FT.
5. THE CONTRACTOR MUST ENSURE THAT A MINIMUM OF 10 FEET (OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) OF CLEARANCE IS MAINTAINED ON THE HORIZONTAL PLANE BETWEEN ALL WATER AND SEWER MAINS. ADDITIONALLY, THE CONTRACTOR MUST ALSO ENSURE THAT 18 INCHES OF VERTICAL CLEARANCE IS MAINTAINED BETWEEN WATER AND SEWER MAINS THAT CROSS. IMMEDIATELY NOTIFY GOVERNMENT OF CONFLICTS.
6. LOCATIONS OF FITTINGS, BENDS, VALVES, AND OTHER APPURTENANCE ARE APPROXIMATE. PROVIDE ADEQUATE SPACING BETWEEN FIXTURES TO MAINTAIN PIPE INTEGRITY. PROVIDE AS BUILT LOCATIONS FOR ALL FIXTURES.
7. ANY EXISTING OR NEW VALVES THAT CONTROL THE WELL'S WATER SUPPLY SHALL BE OPERATED BY AUTHORIZED PERSONNEL ONLY.
8. PRESSURE TEST AND DISINFECT ALL WATER LINES IN ACCORDANCE WITH AWWA C906 AND C651, AND ALL OTHER GOVERNING AGENCIES' STANDARDS.
9. THE CONTRACTOR SHALL HAVE THE WATER MAIN WORK (ie. CUT, GATE VALVES & PIPE INSTALLATION) INSPECTED AND TESTED PER CURRENT AWWA PROCEDURES AND OBSERVED BY A DESIGNATED GOVERNMENT INSPECTOR.

SEWER NOTES

1. UNLESS OTHERWISE NOTED, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CURRENT MINNESOTA POLLUTION CONTROL AGENCY (MPCA) STANDARDS. AND APPLICABLE MINNESOTA ADMINISTRATIVE RULES FOR INDIVIDUAL SUBSURFACE SEWAGE TREATMENT SYSTEMS.
2. UNLESS OTHERWISE SPECIFIED, SANITARY SEWER PIPE SHALL BE PVC IN CONFORMANCE WITH ASTM D-3034, SDR 26. ALL SERVICES AND CONNECTIONS SHALL CONFORM TO THE CURRENT MPCA STANDARD SPECIFICATIONS.
3. ALL GRAVITY SEWER PIPING SHALL BE INSTALLED WITH A MINIMUM BURY DEPTH OF 4 FEET AND BEDDED WITH BEDDING PER CURRENT MPCA STANDARDS AND SPECIFICATIONS.
4. PER CURRENT MPCA REQUIREMENTS, THE CONTRACTOR SHALL HAVE THE SEWER WORK INSPECTED AND TESTED PER MPCA'S WASTEWATER PERMIT USER'S MANUAL AND OBSERVED BY A DESIGNATED OWNERS INSPECTOR. MANHOLE TESTING SHALL BE PERFORMED PRIOR TO FINAL SURFACE RESTORATION.
5. CONTRACTOR SHALL SUPPLY ALL MATERIALS, EQUIPMENT AND FACILITIES REQUIRED FOR TESTING ALL UTILITY PIPES IN ACCORDANCE WITH MINNESOTA POLLUTION CONTROL AGENCY SPECIFICATIONS. COST OF ALL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. SANITARY SEWER PIPE AND MANHOLES SHALL BE TESTED FOR LEAKAGE PER CURRENT MPCA STANDARDS. AND A TELEVISION INSPECTION IS ALSO REQUIRED FOR THE SANITARY SEWER PIPE.
7. AT THE DISCRETION OF THE GOVERNMENT, THE CONTRACTOR SHALL CONDUCT DEFLECTION TESTING OF SANITARY SEWER PIPES BY PULLING AN APPROVED MANDREL THROUGH THE COMPLETED PIPE LINE FOLLOWING TRENCH COMPACTION. THE DIAMETER OF THE MANDREL SHALL BE 95% OF THE DESIGNED PIPE DIAMETER. TESTING SHALL BE CONDUCTED NO MORE THAN 7 DAYS AFTER THE TRENCH HAS BEEN BACKFILLED AND COMPACTED.
8. PRIOR TO MANDREL TESTING AND/OR TV INSPECTION, THE CONTRACTOR SHALL FLUSH AND CLEAN ALL SEWER PIPE AND MANHOLES.
9. CONTRACTOR SHALL FIELD VERIFY LINE AND GRADE OF ANY EXISTING AND PROPOSED UTILITY.

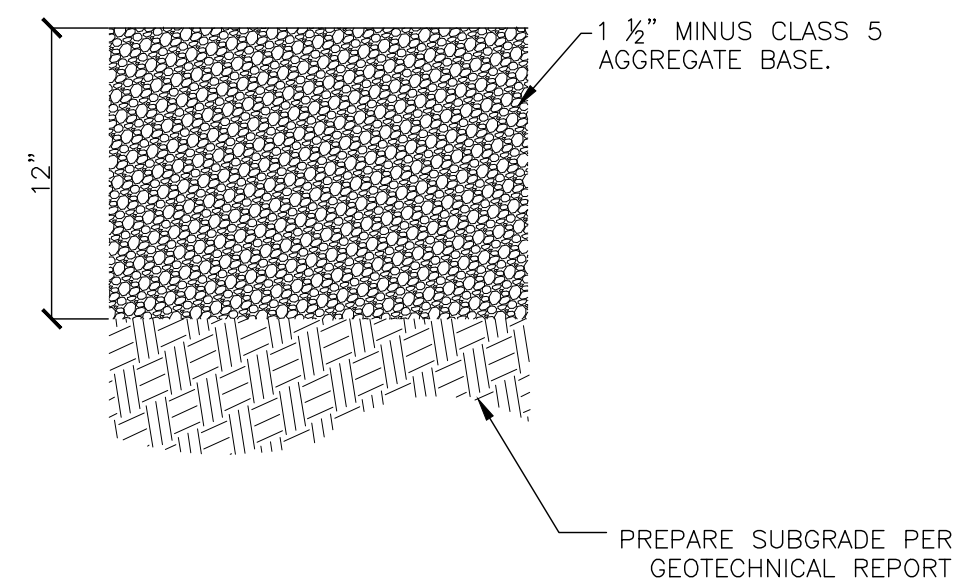
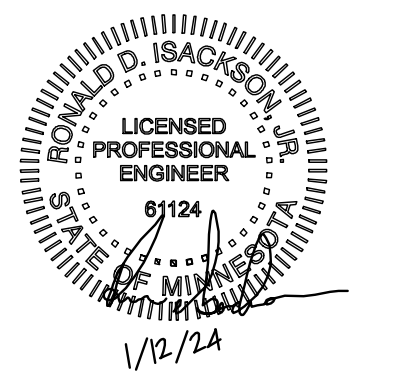
DRY UTILITY NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL "DRY" UTILITIES (ELECTRIC, GAS, TELEPHONE) WITH SERVICE PROVIDERS.
2. REFER TO ELECTRICAL PLANS FOR ADDITIONAL CONDUIT AND SITE LIGHTING REQUIREMENTS.

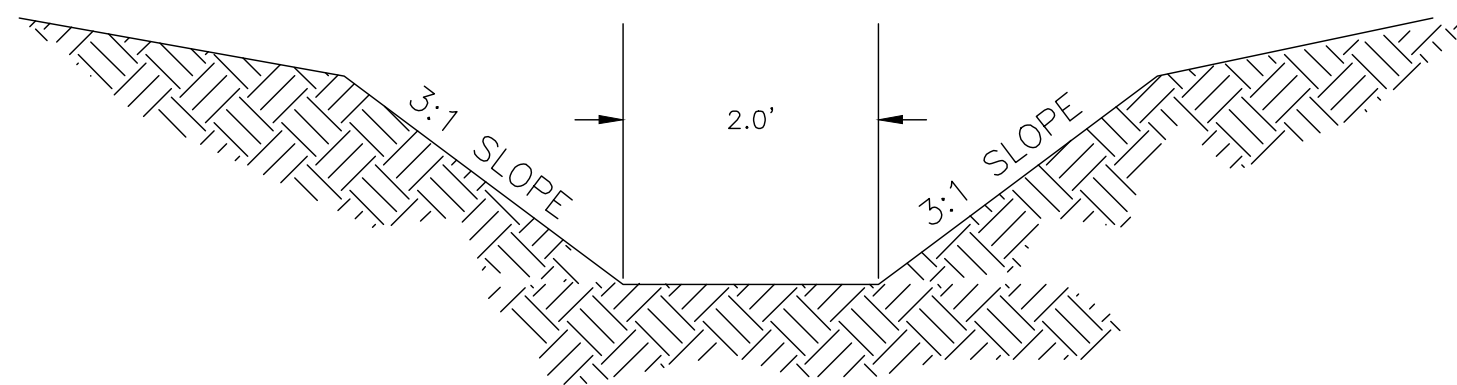


FROM SEPTIC TANK TO DRAINFIELD.

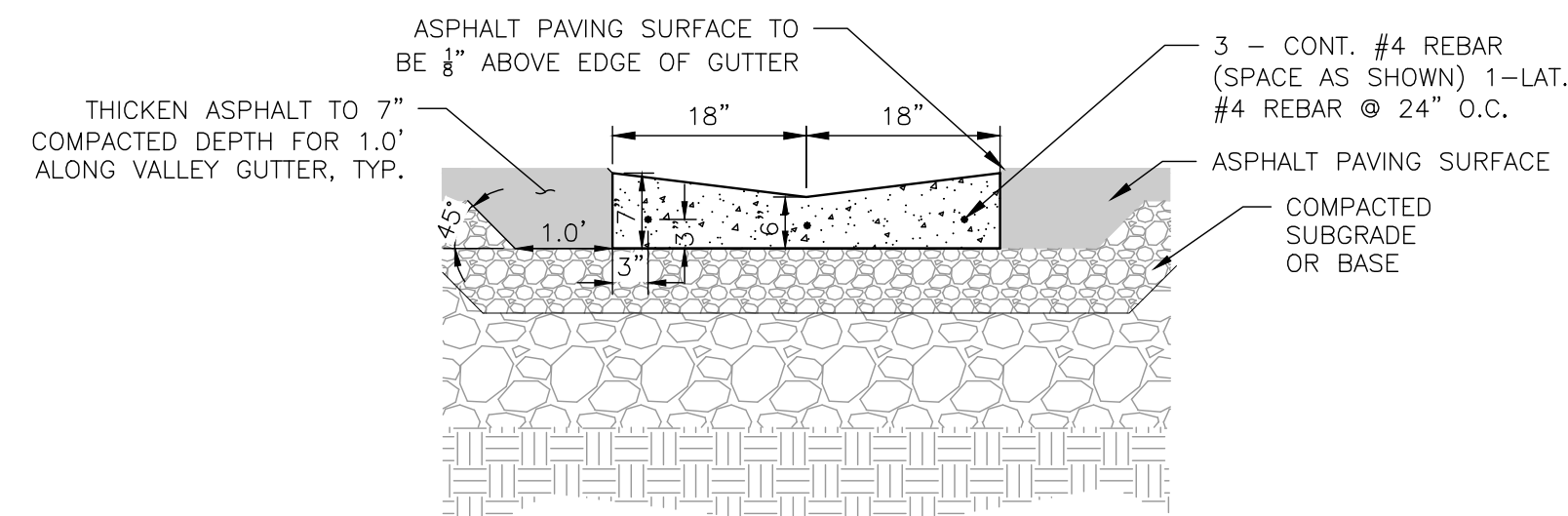
REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK, COUNTY		ERSKINE, MN	
UTILITY PLAN			
PROJECT NUMBER: 22-RF-027			
C6	DESIGNED: CPM	DRAWN: CPM	DATE: 01.12.2024
	CADD: RDL132C0	DRAWING NO: 3R-MN-1176-132	CHECKED: TDF
			SHEET 11 OF 64



- NOTES:
- SUBBASE AND BASE COURSE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY PER ASTM D698.
 - IF BASE IS OVER 3% OF OPTIMUM MOISTURE, CONTACT GOVERNMENT.
 - SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
 - AGGREGATE BASE SHALL BE INSTALLED AND COMPACTED IN MINIMUM 6" LIFTS.

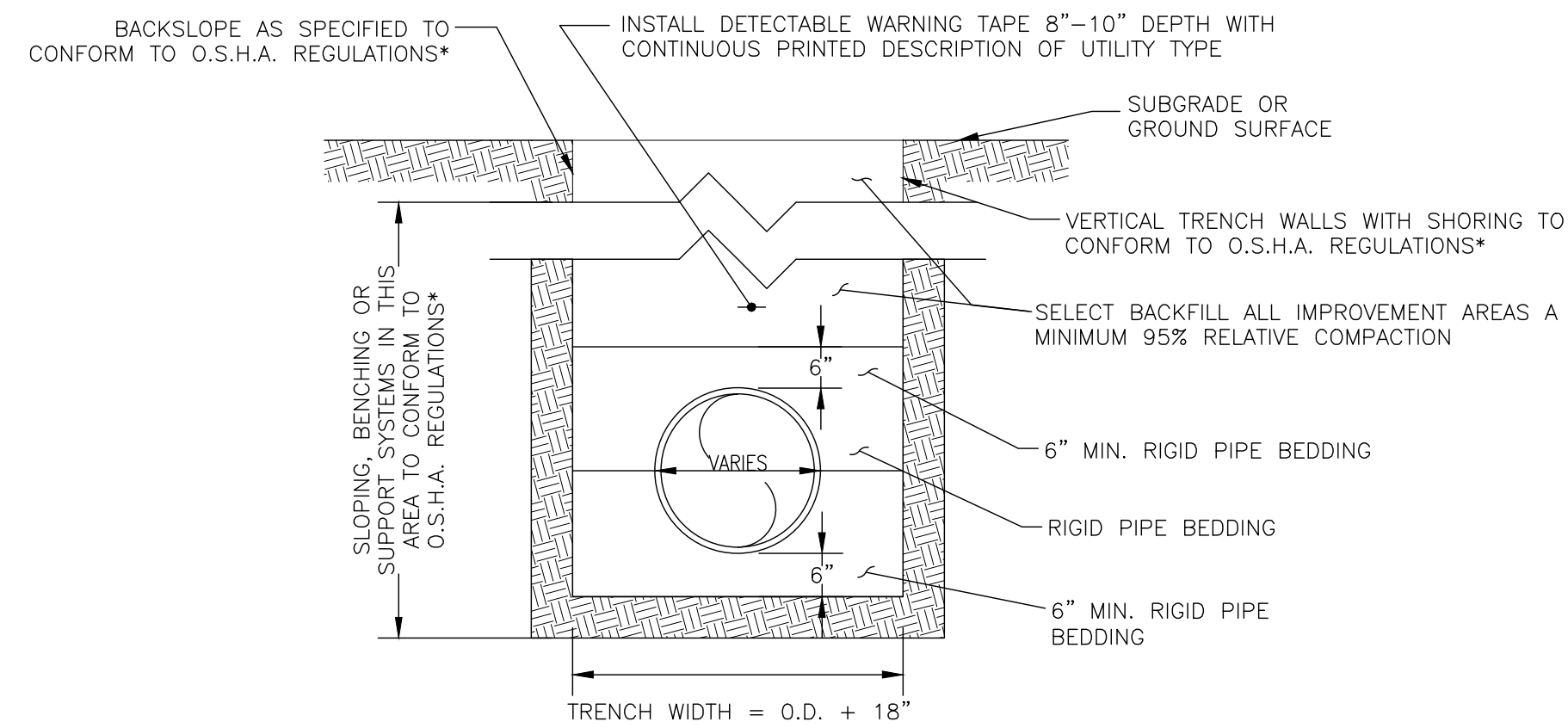


2 SWALE DETAIL
C7 NOT TO SCALE



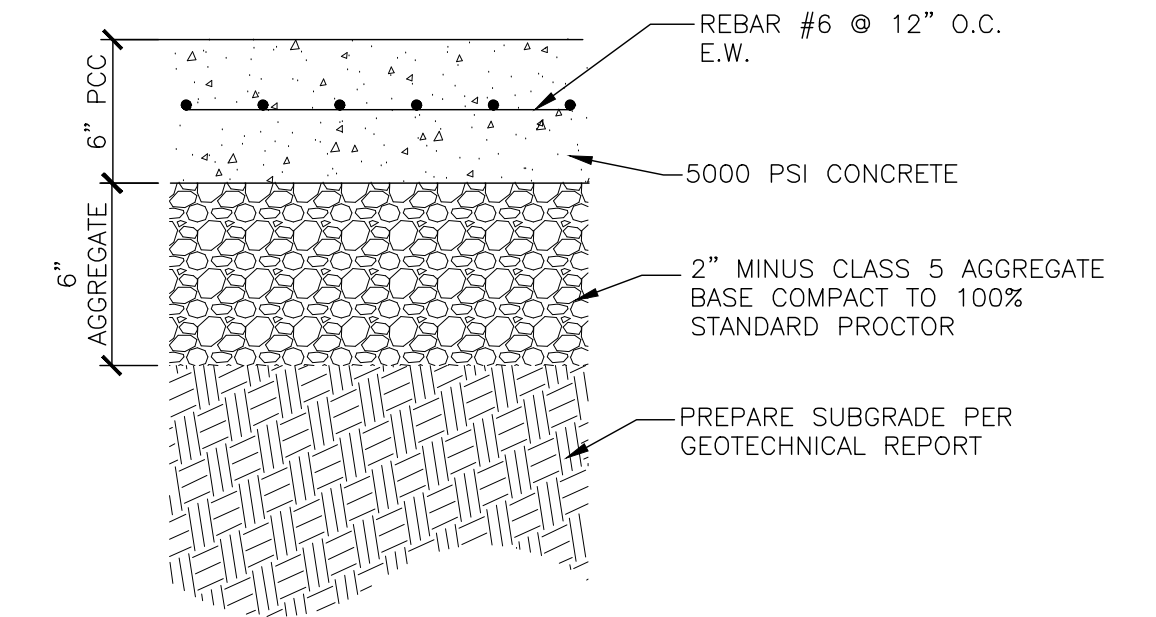
- NOTES:
- FINISH & JOINTS TO PER CONCRETE JOINTING DETAIL & MPWSS.
 - CONCRETE SHOULD HAVE MINIMUM ENTRAINED AIR CONTENT OF 5.0% AND UTILIZE TYPE II CEMENT.
 - THE SUBGRADE BELOW FLATWORK SHOULD BE PROOF-ROLLED. ANY DELETERIOUS MATERIALS SHOULD BE REMOVED AND REPLACED WITH COMPETENT FILL PER THE PROJECT GEOTECHNICAL REPORT.

3 STANDARD VALLEY GUTTER
C7 NOT TO SCALE



- NOTES:
- NATIVE BACKFILL, USED OUTSIDE ROAD PRISM, SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
 - SELECT BACKFILL/CRUSHED SURFACE BASE COURSE, IN ROAD AND MAINTENANCE YARD PRISM, SHALL BE COMPACTED TO 95% COMPACTION.
 - SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
 - SECURELY FASTEN TRACER WIRE ALONG PIPES.

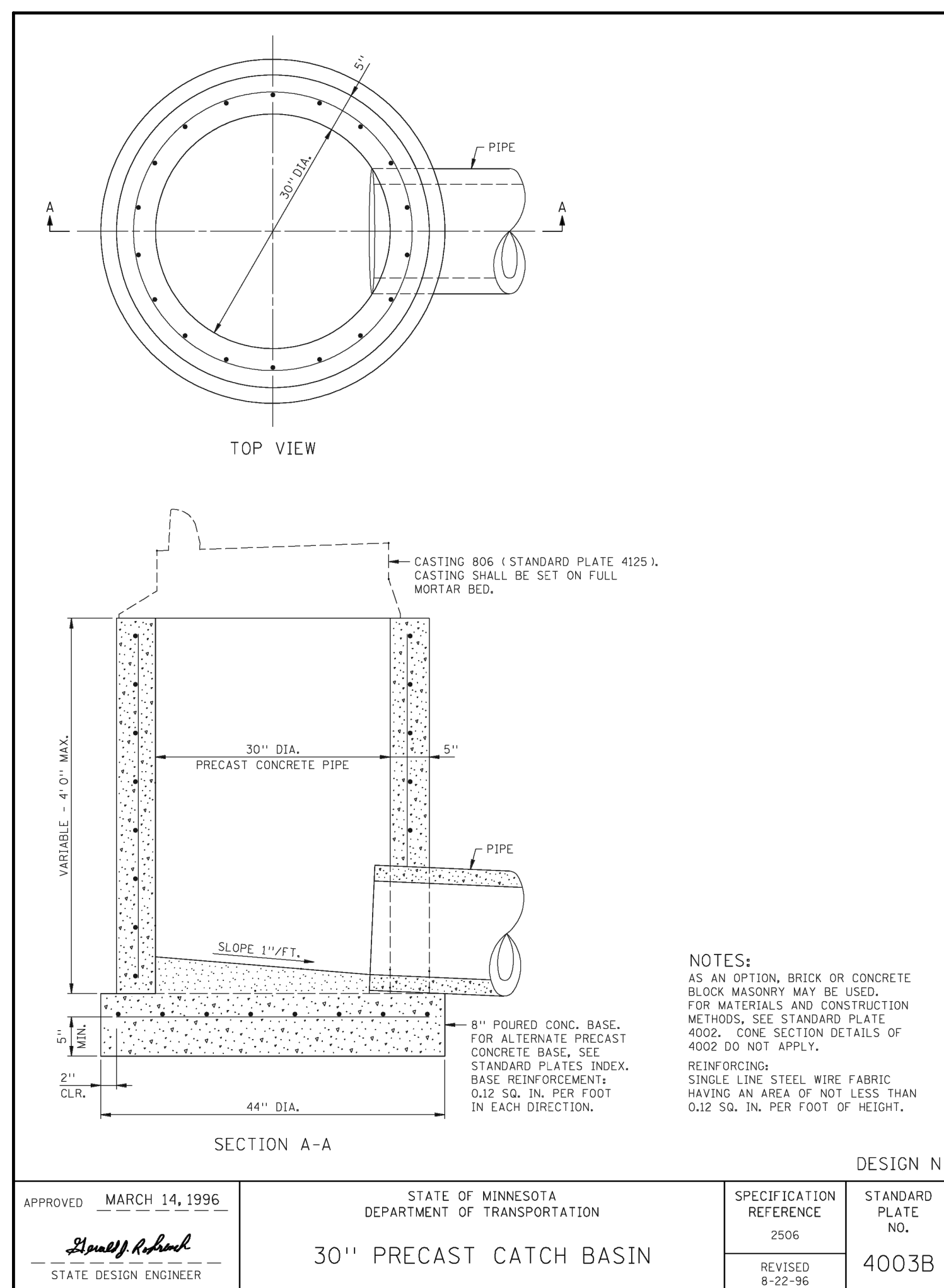
4 UTILITY TRENCH
C7 NOT TO SCALE



- NOTES:
- FINISH AND CONCRETE JOINTING TO BE PER PROJECT SPECIFICATIONS, MnDOT STANDARDS, AND GEOTECH REPORT.

5 REINFORCED CONCRETE
C7 NOT TO SCALE

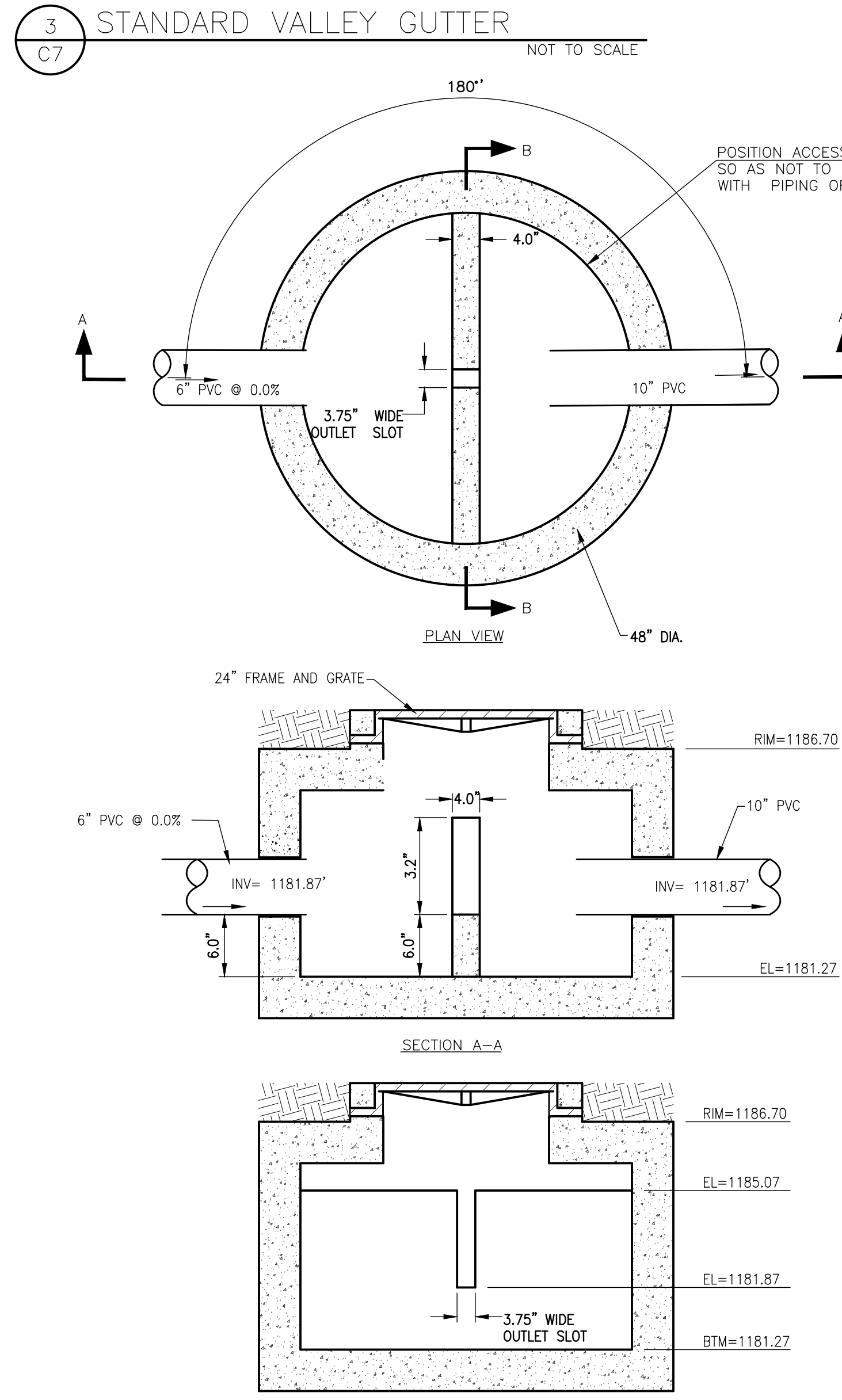
1 GRAVEL MAINTENANCE YARD/PARKING AREA
C7 NOT TO SCALE



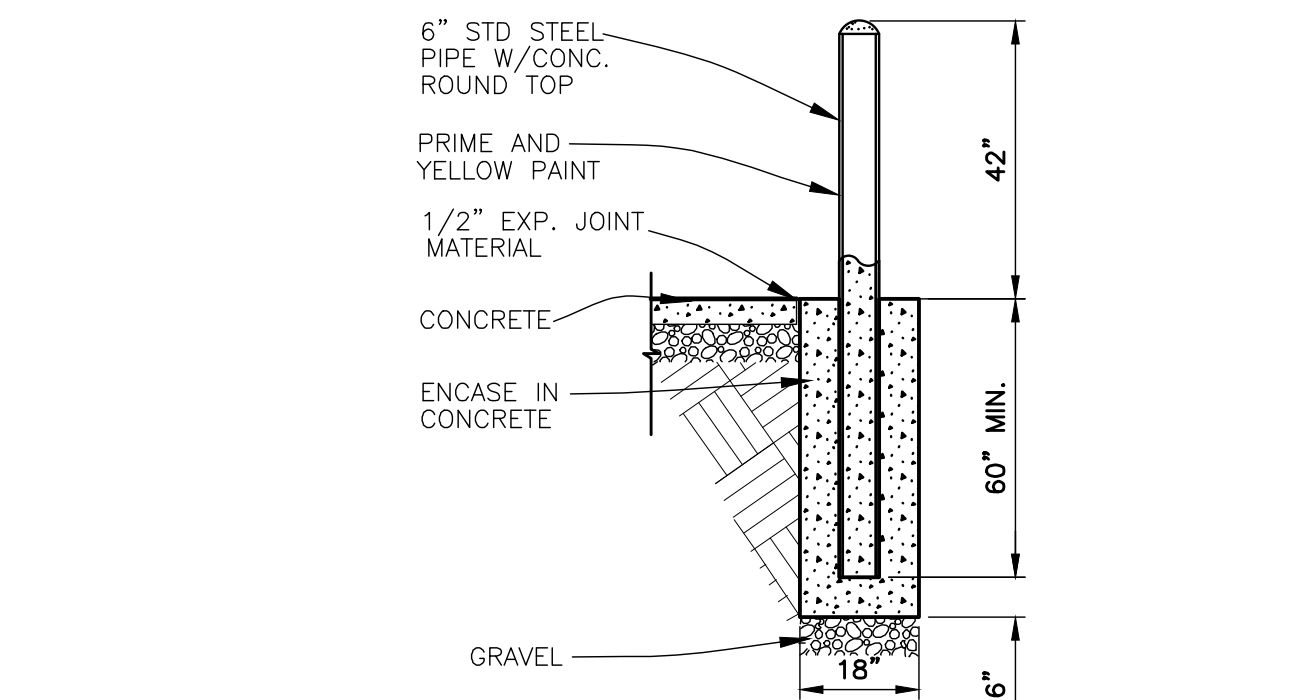
- NOTES:
- AS AN OPTION, BRICK OR CONCRETE BLOCK MASONRY MAY BE USED. FOR MATERIALS AND CONSTRUCTION METHODS, SEE STANDARD PLATE 4002. CONE SECTION DETAILS OF 4002 DO NOT APPLY.
 - REINFORCING: SINGLE LINE STEEL WIRE FABRIC HAVING AN AREA OF NOT LESS THAN 0.12 SQ. IN. PER FOOT IN EACH DIRECTION.

DESIGN N
STANDARD PLATE NO.
4003B

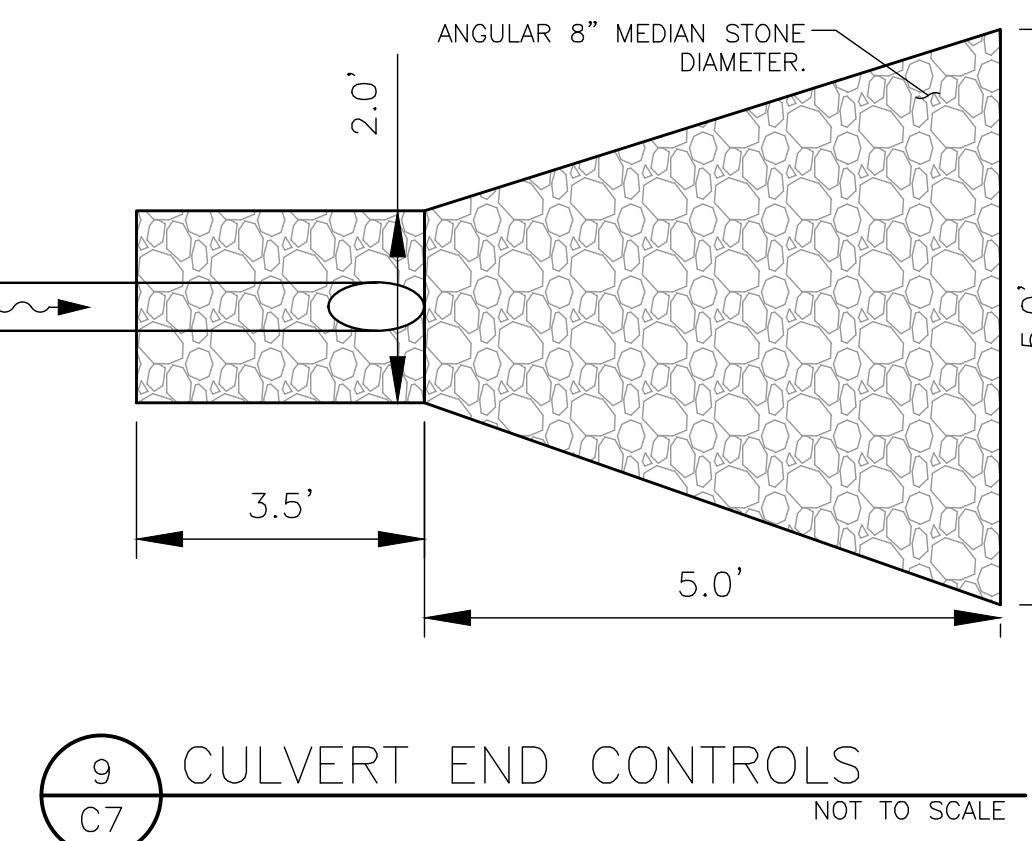
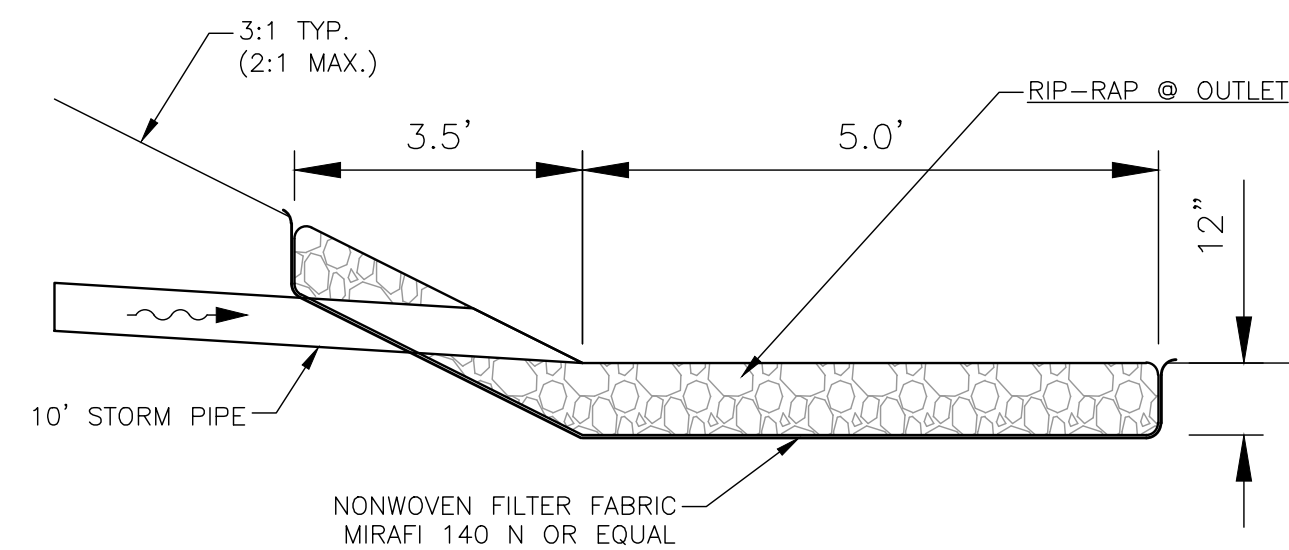
APPROVED	MARCH 14, 1996	STATE OF MINNESOTA DEPARTMENT OF TRANSPORTATION	SPECIFICATION REFERENCE 2506	REVISED 8-22-96
		30" PRECAST CATCH BASIN		



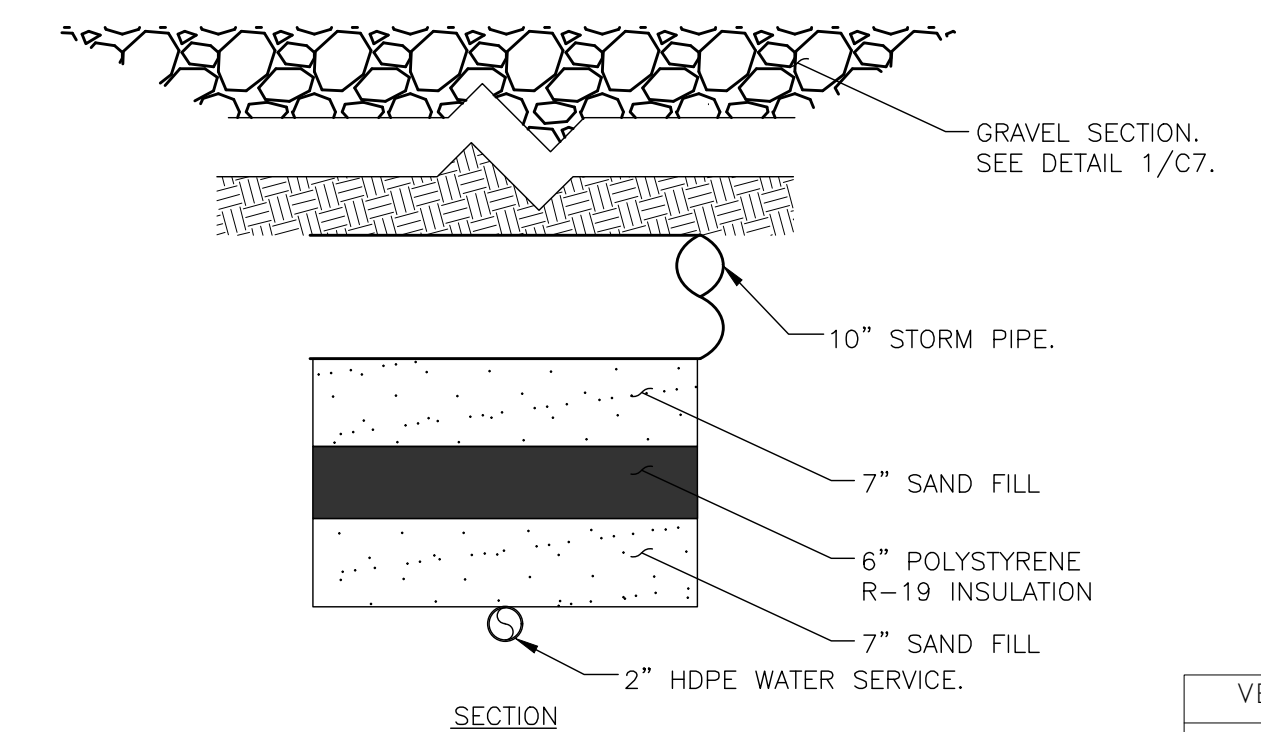
7 CONTROL STRUCTURE DETAIL
C7 NOT TO SCALE



8 PIPE BOLLARD
C7 NOT TO SCALE



9 CULVERT END CONTROLS
C7 NOT TO SCALE



- NOTE: SEE DETAIL 4/C7 FOR STANDARD UTILITY TRENCH FOR STORM AND WATER PIPING.

10 STORM AND WATER CROSSING
C7 NOT TO SCALE

VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK, COUNTY		ERSKINE, MN.	
DETAILS			
PROJECT NUMBER: USFWS3_RYDMAINT			
DESIGNED: CPM	DRAWN: CPM	DATE: 01.12.2024	CHECKED: TDF
CADD: RDL133C2	DRAWING NO: 3R-MN-1176-133	SHEET 12 OF 64	

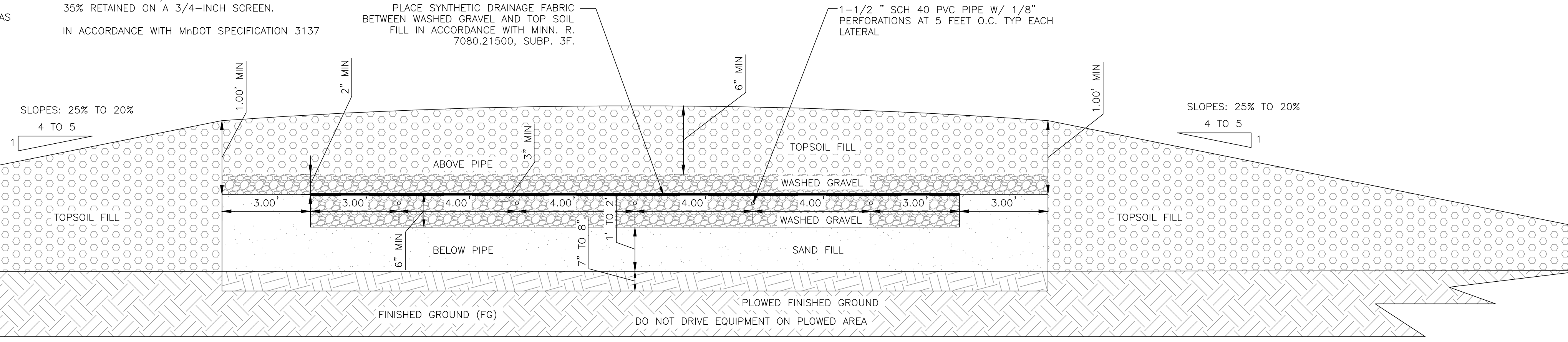
6 PRECAST CATCH BASIN
C7 NOT TO SCALE

ACCORDING TO MPCA DRAINFIELD ROCK DISTRIBUTION MEDIA RECOMMENDED STANDARDS:
MOUND SHALL BE CONSTRUCTED USING CLEAN, MEDIUM-TEXTURED SAND, SOMETIMES REFERRED TO AS CONCRETE SAND.

SAND SIZE SHALL BE SUCH THAT:
SIEVE SIZE PERCENT PASSING
NO.4 95-100
NO.8 80-100
NO.10 0-100
NO.40 0-100
NO.60 0-40
NO.200 0-5

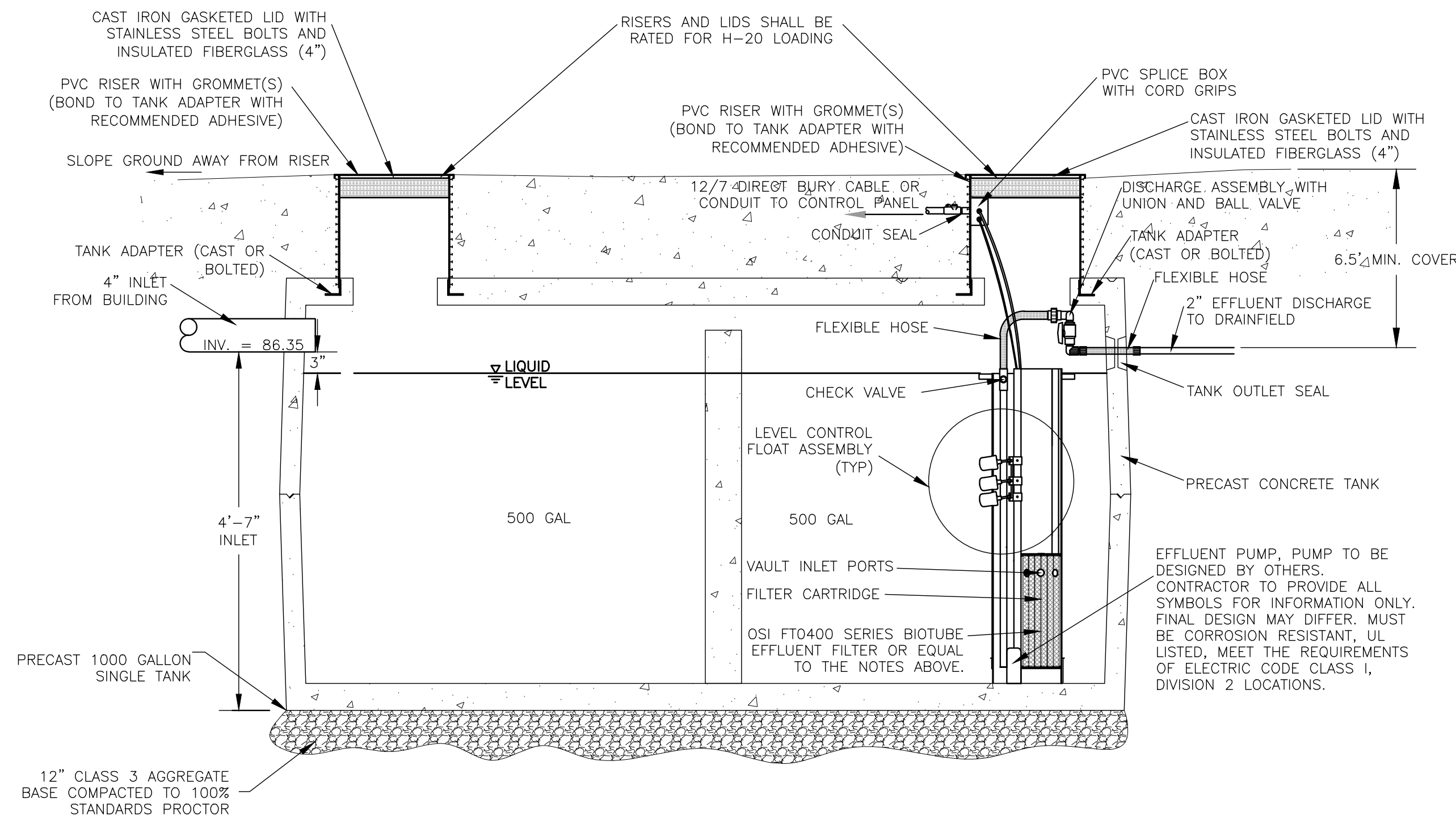
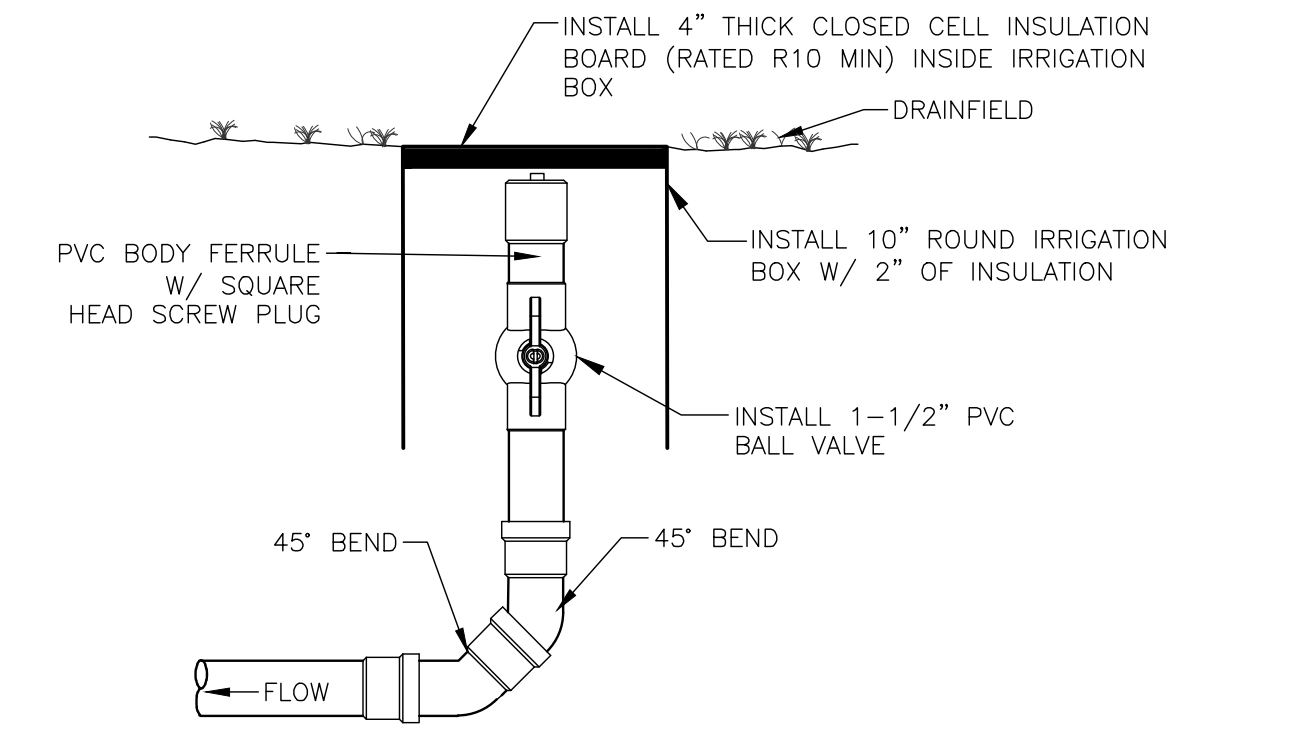
GRAVEL SIZE SHALL BE SUCH THAT:
100% PASS A 2-1/2-INCH SCREEN.
35% RETAINED ON A 3/4-INCH SCREEN.
IN ACCORDANCE WITH MnDOT SPECIFICATION 3137

SLOPES: 25% TO 20%
4 TO 5

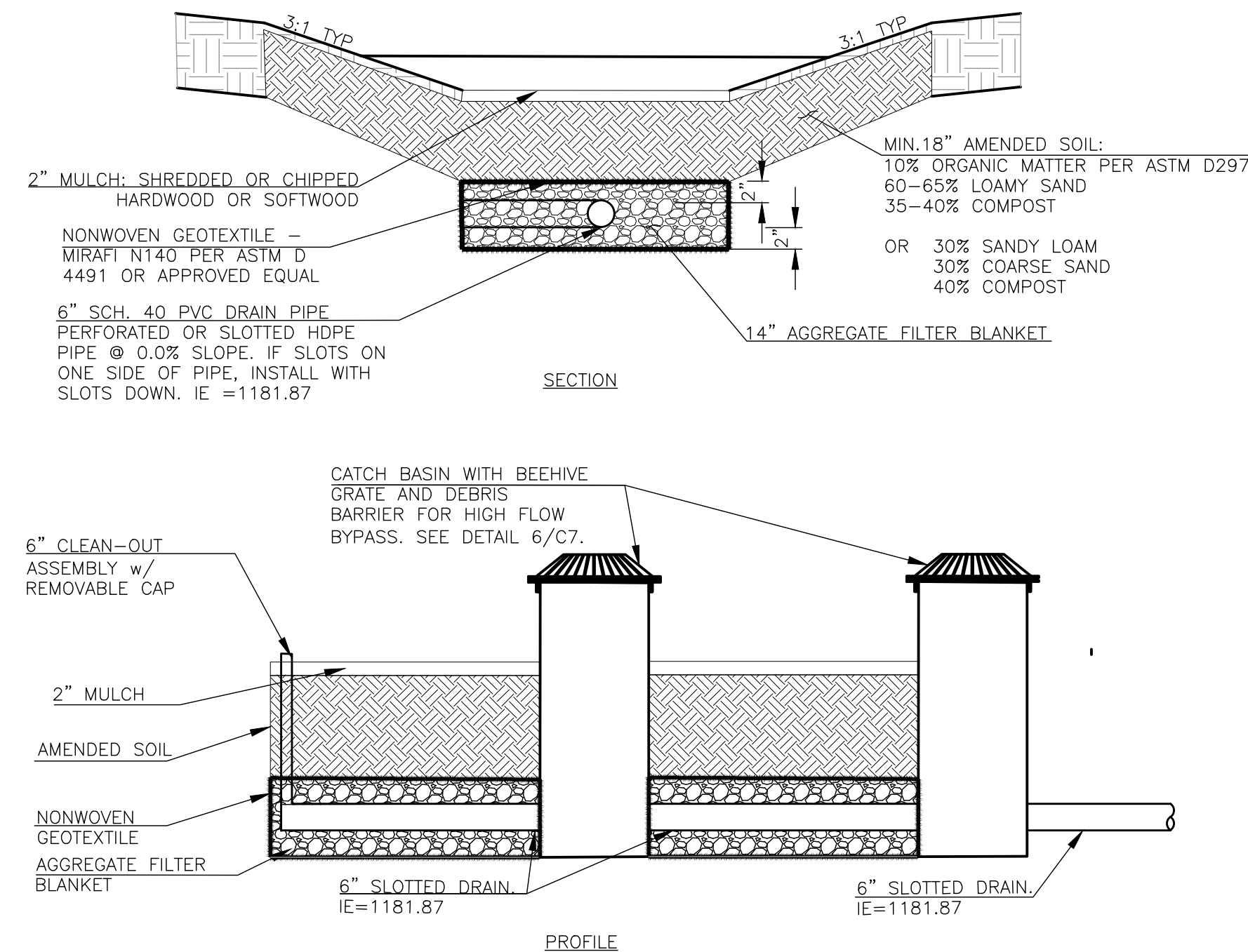


1 ELEVATED MOUND DRAINFIELD SECTION
C8 DESIGN FOR BID PURPOSE ONLY, FINAL DESIGN BY CONTRACTOR NOT TO SCALE

2 DRAINFIELD CLEANOUT
C8 DESIGN FOR BID PURPOSE ONLY, FINAL DESIGN BY CONTRACTOR NOT TO SCALE

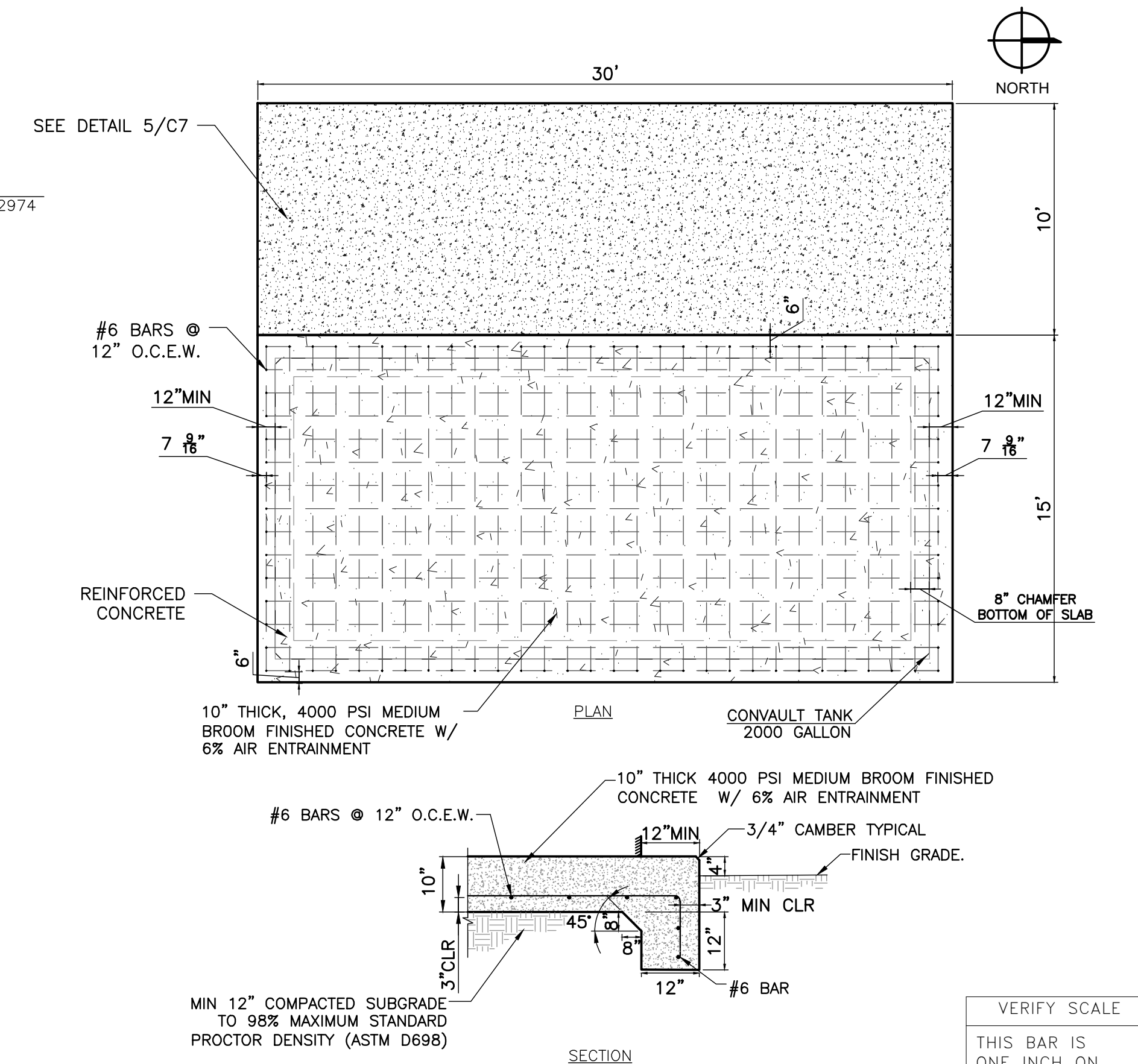


3 SIDE VIEW: 1000 GAL. CONCRETE SEPTIC/DOSING TANK
C8 DESIGN FOR BID PURPOSE ONLY, FINAL DESIGN BY CONTRACTOR NOT TO SCALE



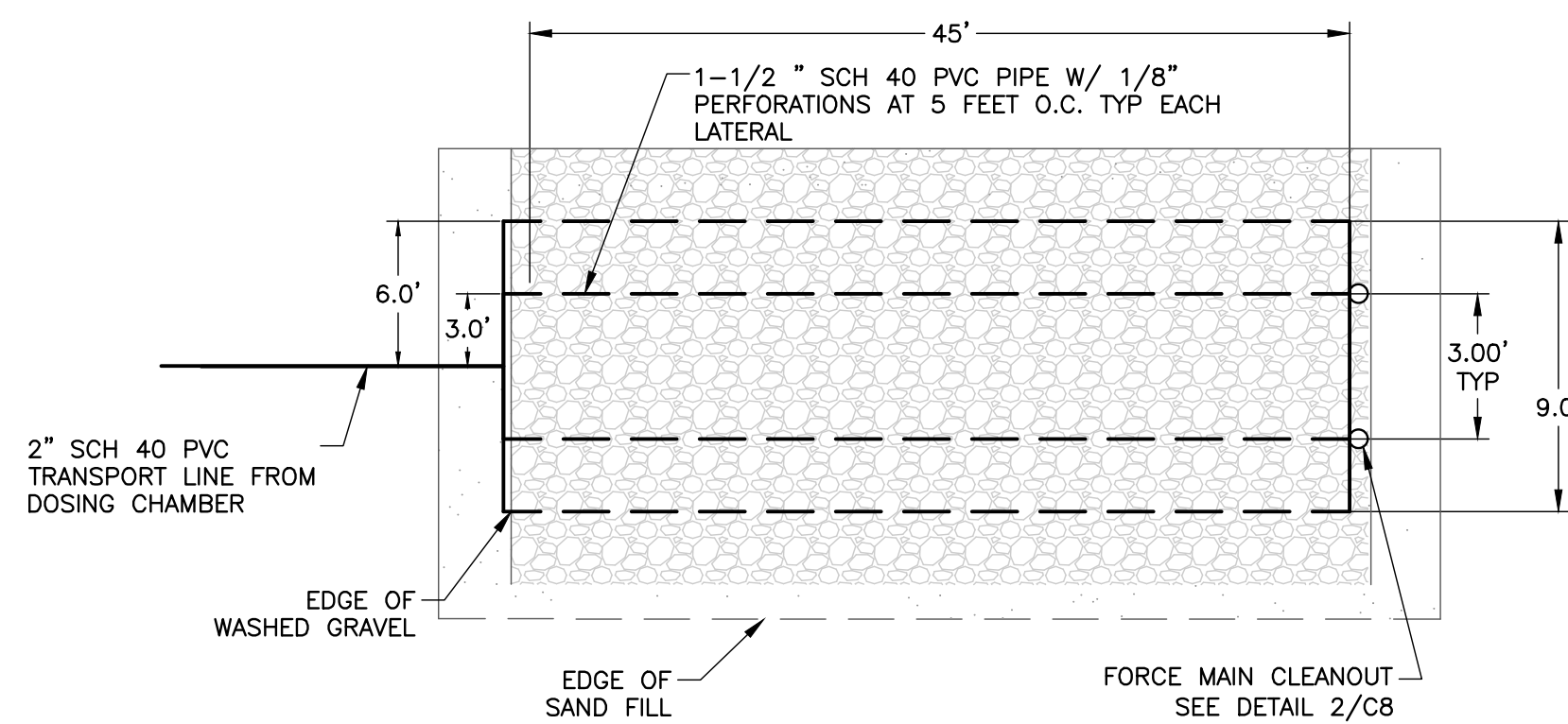
NOTES:
1. CATCH BASINS IN BIORETENTION BASIN SHALL HAVE BEEHIVE GRATES WITH 1\"/>

4 BIORETENTION FACILITY SECTION
C8 NOT TO SCALE

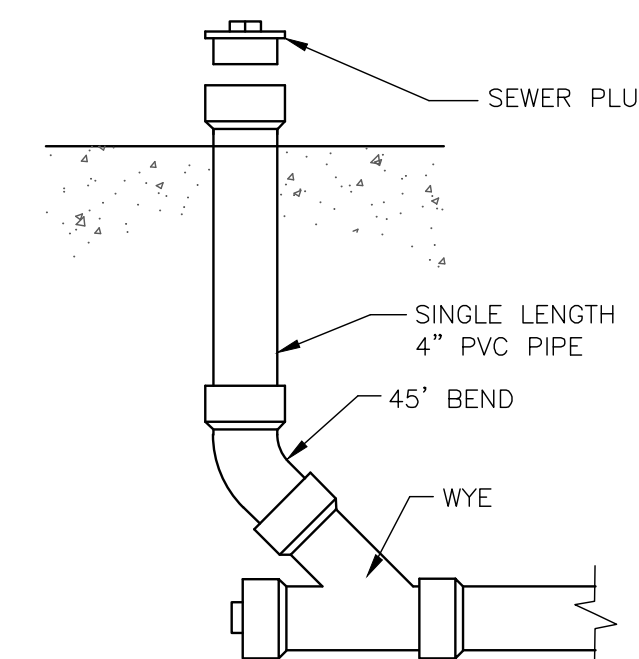


VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
1\"/>

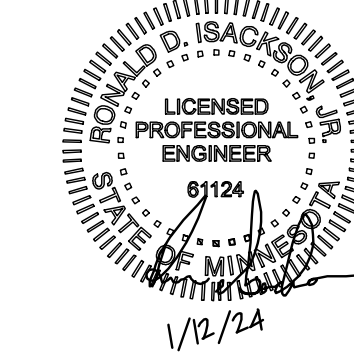
5 FUEL TANK PAD
C8 NOT TO SCALE



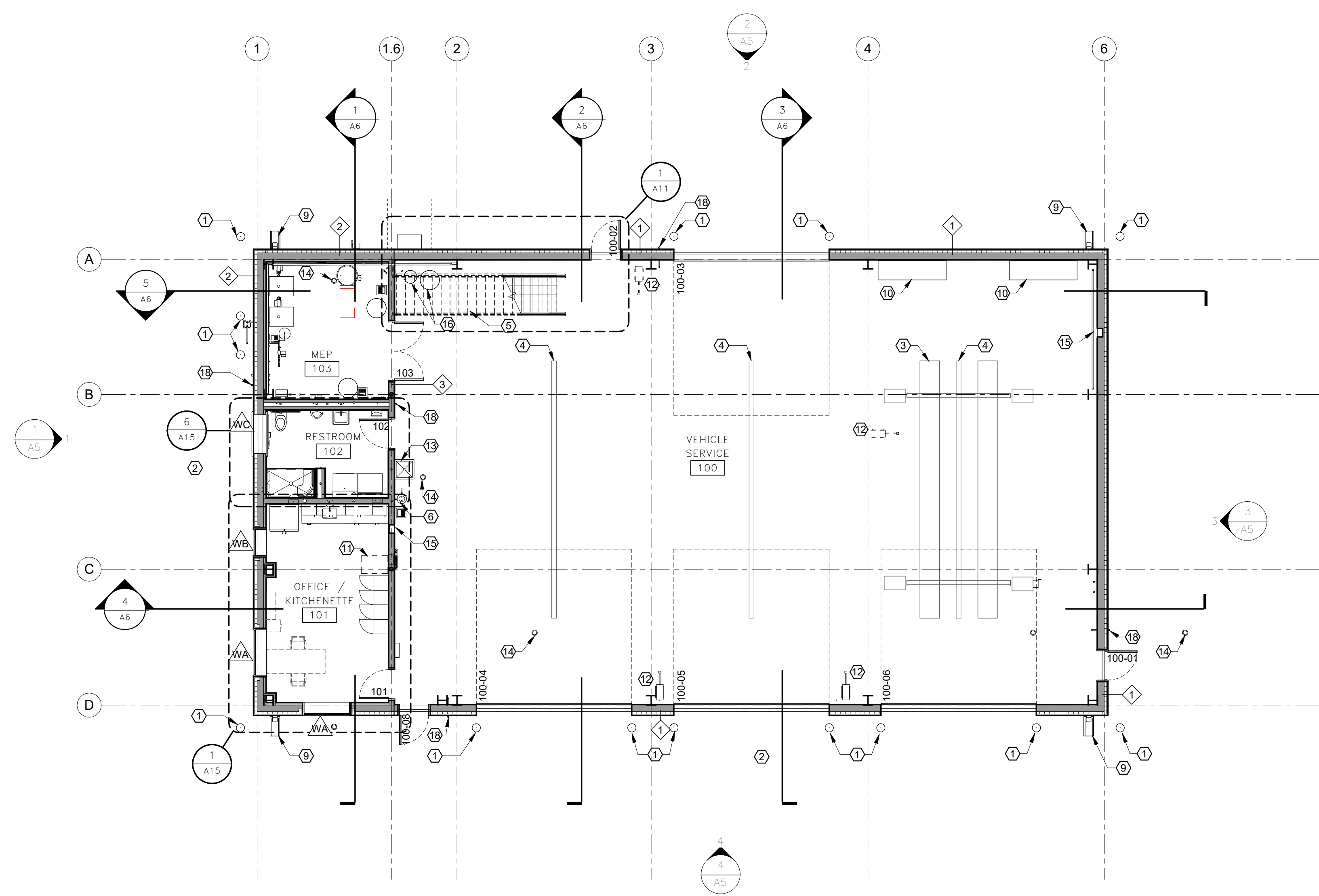
6 DRAINFIELD PLAN VIEW
C8 DESIGN FOR BID PURPOSE ONLY, FINAL DESIGN BY CONTRACTOR NOT TO SCALE



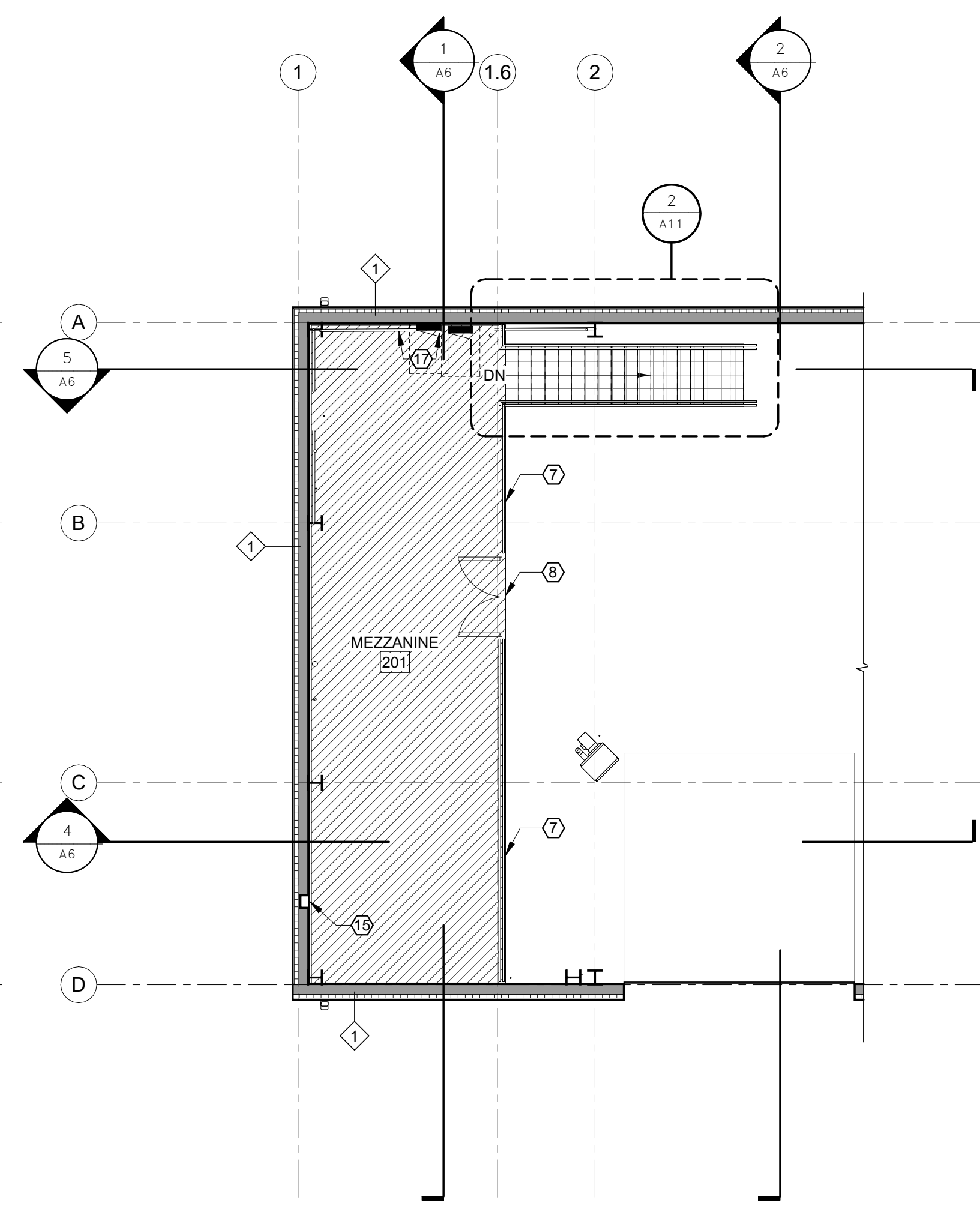
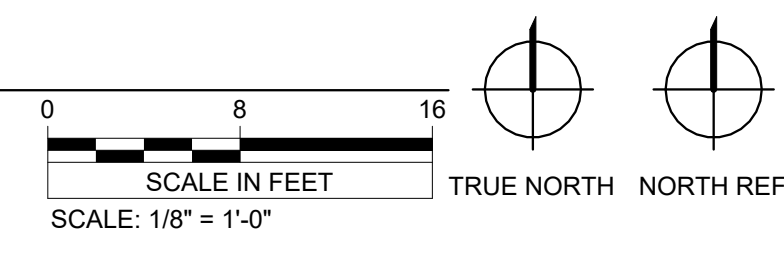
7 SEWER CLEANOUT
C8 NOT TO SCALE



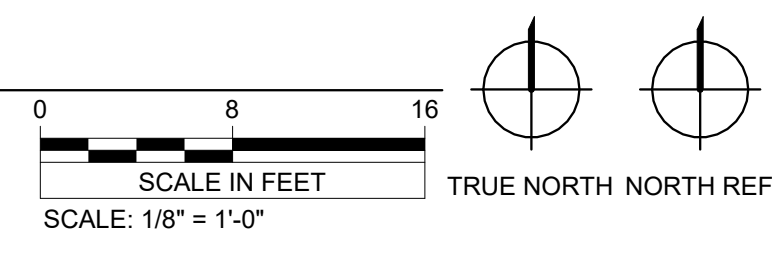
REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK, COUNTY ERSKINE, MN			
DETAILS			
PROJECT NUMBER: 22-RF-027			
DESIGNED: CPM	DRAWN: CPM	DATE: 01.12.2024	CHECKED: TDF
CADD: RDL134C2	DRAWING NO: 3R-MN-1176-134	SHEET 13 OF 64	



1 FIRST FLOOR PLAN
A1



2 MEZZANINE FLOOR PLAN
A1



GENERAL NOTES

- A. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO FACE OF STUD FOR WALL ASSEMBLIES.
- B. REFER TO ASSEMBLY DETAILS SHEET FOR WALL TYPES.
- C. PROVIDE 5/8" TYPE MOISTURE RESISTANT GYPSUM BOARD AT ALL RESTROOM WALLS, SEE SPECIFICATIONS.
- D. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED EQUIPMENT, MILLWORK, AND HARDWARE, SEE SPECIFICATIONS.
- E. ALL DOORS SET WITH HINGE SIDE 5" FROM BACK OF DOOR FRAME TO FACE OF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
- F. REFER TO DOOR AND WINDOW SCHEDULES AND DETAILS SHEET FOR DOOR AND FRAME INFORMATION.
- G. REFER TO DOOR AND WINDOW SCHEDULES AND DETAILS SHEET FOR WINDOW FRAME AND GLAZING TYPES.
- H. SEE DESIGNATED DIMENSION FLOOR PLAN FOR DIMENSIONS PERTAINING TO THE FLOOR PLAN. REFER TO ENLARGED PLANS FOR FURTHER DIMENSIONING OF ENLARGED AREAS.
- I. REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR FURTHER DIMENSIONING OF WALL AND FLOORING FINISHES.

SHEET NOTES

- 1 STEEL PIPE BOLLARD, SEE CIVIL FOR DETAIL. COORDINATE EXACT LOCATION WITH OWNER.
- 2 CONCRETE APRON AROUND THE BUILDING, SEE CIVIL.
- 3 VEHICLE HOIST, COORDINATE EXACT LOCATION IN FIELD WITH OWNER. SEE SPECIFICATIONS.
- 4 TRENCH DRAIN, SEE PLUMBING PLANS. FLAMMABLE WASTE TRAP, SEE PLUMBING PLANS.
- 5 CANE DETECTION UNDER STAIR.
- 6 EMERGENCY EYEWASH STATION.
- 7 PROVIDE GUARDRAIL AROUND ENTIRE PERIMETER OF MEZZANINE AS SHOWN.
- 8 PROVIDE GATE IN GUARDRAIL. COORDINATE EXACT LOCATION OF GATE IN FIELD WITH OWNER.
- 9 DOWNSPOUT BY METAL BUILDING MANUFACTURER, TYP. SEE SPECIFICATIONS. PROVIDE SPLASHBLOCKS AT ALL DOWNSPOUTS.
- 10 WORKBENCH PROVIDED AND INSTALLED BY OWNER.
- 11 ICE MAKER, N.I.C.
- 12 AIR COMPRESSOR HOSE REEL ABOVE. SEE PLUMBING.
- 13 SERVICE SINK AND BROOM HOLDER.
- 14 FLOOR CLEANOUT - SEE PLUMBING.
- 15 FEC - SEE CODE PLANS ALSO.
- 16 PLUMBING EQUIPMENT, SEE PLUMBING.
- 17 ELECTRICAL PANEL. SEE ELECTRICAL.
- 18 HOSE BIB, SEE PLUMBING DRAWINGS.

PLAN LEGEND

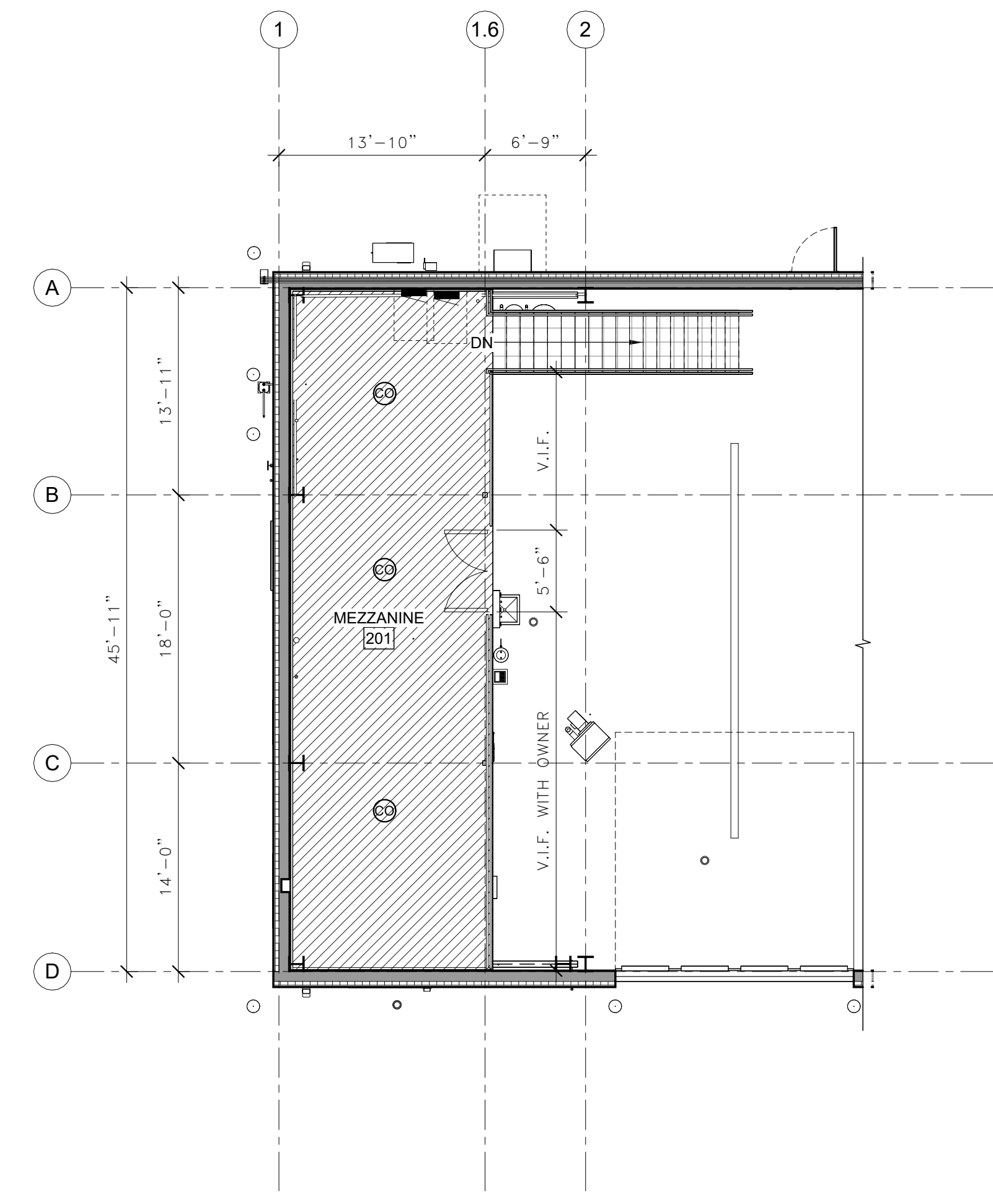
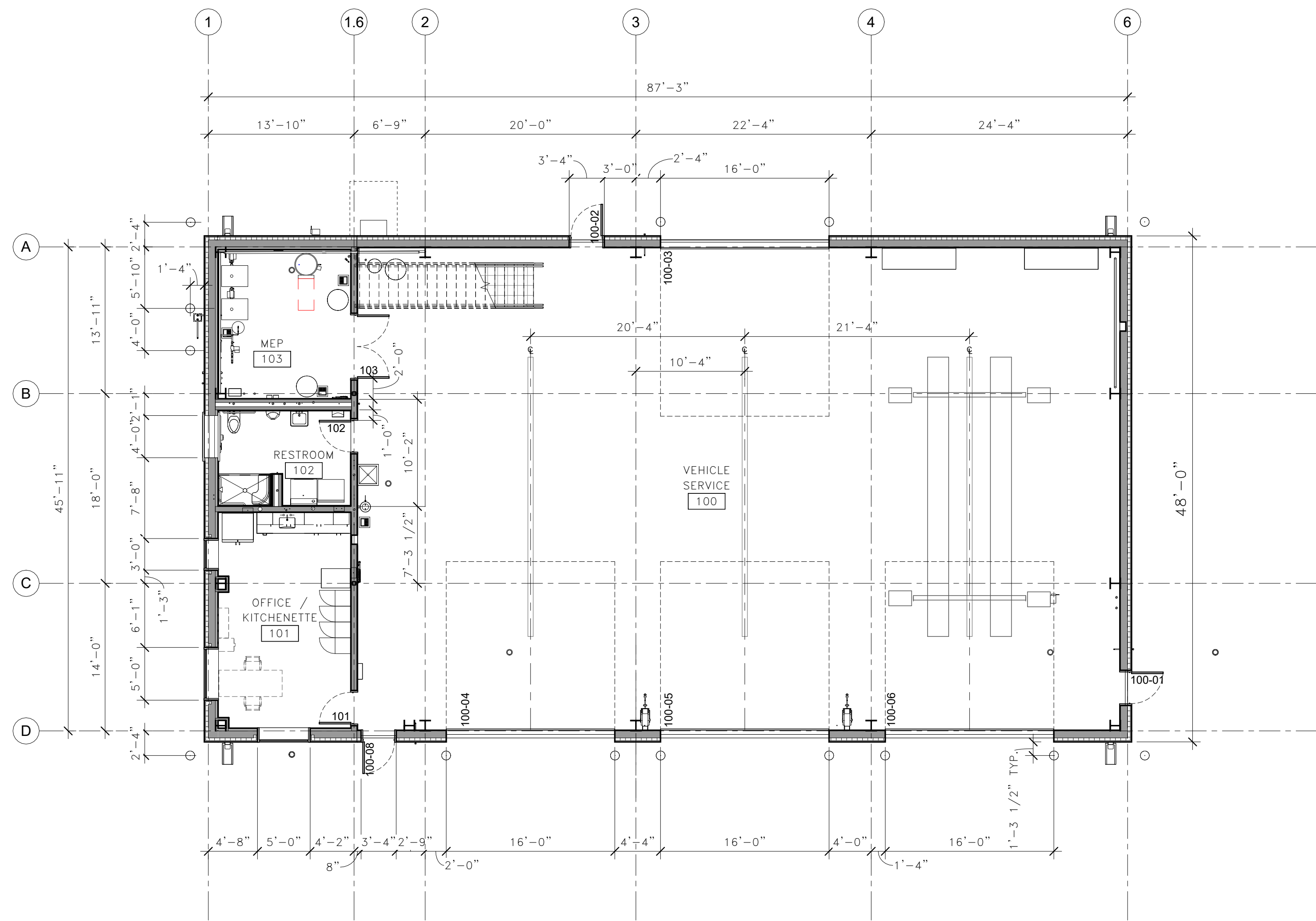
- WALL TYPE (SEE ASSEMBLY DETAILS SHEET)
- ROOM NUMBER
- WINDOW TYPE (SEE DOOR AND WINDOW SCHEDULES AND TYPES SHEET)
- SHEET NOTE
- DOOR NUMBER (SEE DOOR AND WINDOW SCHEDULES AND TYPES SHEET)
- DIMENSION TO FACE OF STUD

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: **RAM**
 Typed or Printed Name: Rebecca Muchow
 Date: 01/12/24 License Number: 52502

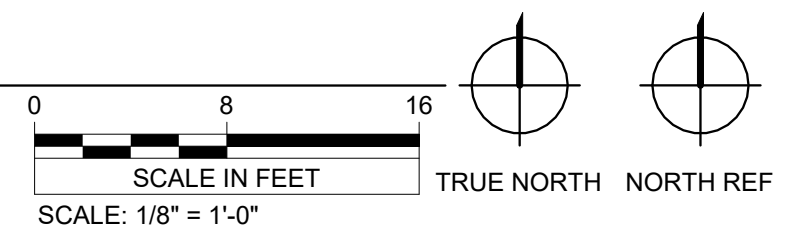
VERIFY SCALE
 THIS BAR IS ONE INCH ON ORIGINAL DRAWING
 0" _____ 1"
 ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
FLOOR PLAN			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL 135A0	DRAWING NO: 3R-MN-1176-135	SHEET 14 OF 64	

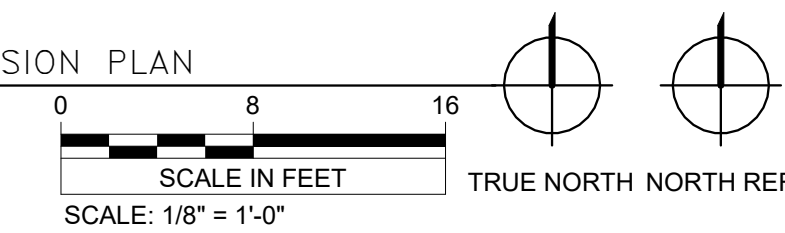
A1



1 FIRST FLOOR DIMENSION PLAN



2 MEZZANINE DIMENSION PLAN



GENERAL NOTES

- A. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO FACE OF STUD FOR WALL ASSEMBLIES.
- B. REFER TO ASSEMBLY DETAILS SHEET FOR WALL TYPES.
- C. PROVIDE 5/8" TYPE MOISTURE RESISTANT GYPSUM BOARD AT ALL RESTROOM WALLS, SEE SPECIFICATIONS.
- D. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED EQUIPMENT, MILLWORK, AND HARDWARE, SEE SPECIFICATIONS.
- E. ALL DOORS SET WITH HINGE SIDE 5" FROM BACK OF DOOR FRAME TO FACE OF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
- F. REFER TO DOOR AND WINDOW SCHEDULES AND DETAILS SHEET FOR DOOR AND FRAME INFORMATION.
- G. REFER TO DOOR AND WINDOW SCHEDULES AND DETAILS SHEET FOR WINDOW FRAME AND GLAZING TYPES.
- H. SEE DESIGNATED DIMENSION FLOOR PLAN FOR DIMENSIONS PERTAINING TO THE FLOOR PLAN. REFER TO ENLARGED PLANS FOR FURTHER DIMENSIONING OF ENLARGED AREAS.
- I. REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR FURTHER DIMENSIONING OF WALL AND FLOORING FINISHES.

PLAN LEGEND

- ▣xx WALL TYPE (SEE ASSEMBLY DETAILS SHEET)
- ▣ WALL TYPE NOTE
- 101 ROOM NUMBER
- △ WINDOW TYPE (SEE DOOR AND WINDOW SCHEDULES AND TYPES SHEET)
- SHEET NOTE
- 1/3 DOOR NUMBER (SEE DOOR AND WINDOW SCHEDULES AND TYPES SHEET)
- ↔ DIMENSION TO FACE OF STUD

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: *RAM*
 Typed or Printed Name: Rebecca Muchow
 Date: 01/12/24 License Number: 52502

VERIFY SCALE
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 0" 1"
 ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
DIMENSION FLOOR PLAN			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD: RDL 136A0	DRAWING NO: 3R-MN-1176-136	SHEET 15 OF 64	

A2

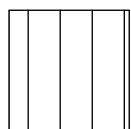
GENERAL NOTES

- A. PROVIDE SADDLES AT CURB LOCATION TO DIVERT THE WATER
- B. SEE STRUCTURAL FRAMING PLAN FOR MEZZANINE FRAMING PLANS
- C. COORDINATE AND VERIFY ALL MECHANICAL AND PLUMBING ROOF PENETRATIONS, SIZES AND LOCATIONS WITH MECHANICAL AND PLUMBING PLANS. COORDINATE AND FLASH ALL OPENINGS THROUGH ROOF SYSTEM. ALL CURBS BY GENERAL CONTRACTOR. ALL FINISHED ROOF SLOPES AS INDICATED IN DIRECTION INDICATED. IT IS THE RESPONSIBILITY OF THE ROOFING CONTRACTOR TO INSTALL ROOFING COMPONENTS TO MEET THESE REQUIREMENTS.
- D. CONSTRUCTION SHALL BE IN FULL COMPLIANCE WITH ALL CURRENT LOCAL CODES AND REGULATIONS IN EFFECT AT THE TIME OF AGREEMENT BETWEEN OWNER AND CONTRACTOR.
- E. SEE ASSEMBLY DETAILS SHEET FOR ALL ROOF ASSEMBLIES AND CONFIGURATION OF MATERIALS.
- F. ALL FLASHINGS, GUTTERS, AND DOWNSPOUTS ARE TO BE THE SAME FINISH COLOR AS THE STANDING SEAM METAL ROOF.
- G. SEE SPECIFICATIONS FOR FURTHER INFORMATION ON ALL MATERIALS.
- H. PROVIDE PRE-FINISHED METAL CLOSURE PIECE TO MATCH FINISH AND GAUGE OF SOFFIT AT ALL TRANSITIONS.

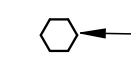
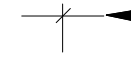

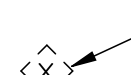
SHEET NOTES

- 1 GUTTER BY METAL BUILDING MANUFACTURER, TYP. SEE 3/A4 FOR GUTTER DETAIL.
- 2 DOWNSPOUT BY METAL BUILDING MANUFACTURER, TYP. SEE SPECIFICATIONS.
- 3 PROVIDE PRE-FINISHED METAL RIDGE CAP. SEE 5/A4 FOR TYPICAL RIDGE DETAIL.
- 4 PROVIDE TWO ROWS OF CONTINUOUS SNOW GUARD AS INDICATED. SEE SPECIFICATIONS.
- 5 TYPICAL VENT THROUGH ROOF, INSTALL PER STANDING SEAM METAL ROOF MANUFACTURER'S DETAILS, COORDINATE LOCATION MEP. SEE 2/A4 FOR TYPICAL VENT DETAIL AND 7/A4 FOR VENT THROUGH BOOT FLASHING DETAIL.
- 6 BID ALTERNATE 1: INSTALL PV ARRAY. SEE ELECTRICAL DRAWINGS.

MATERIALS LEGEND

 STANDING SEAM METAL ROOF BY METAL BUILDING MANUFACTURER. SEE SPECIFICATION 074113.16

PLAN LEGEND

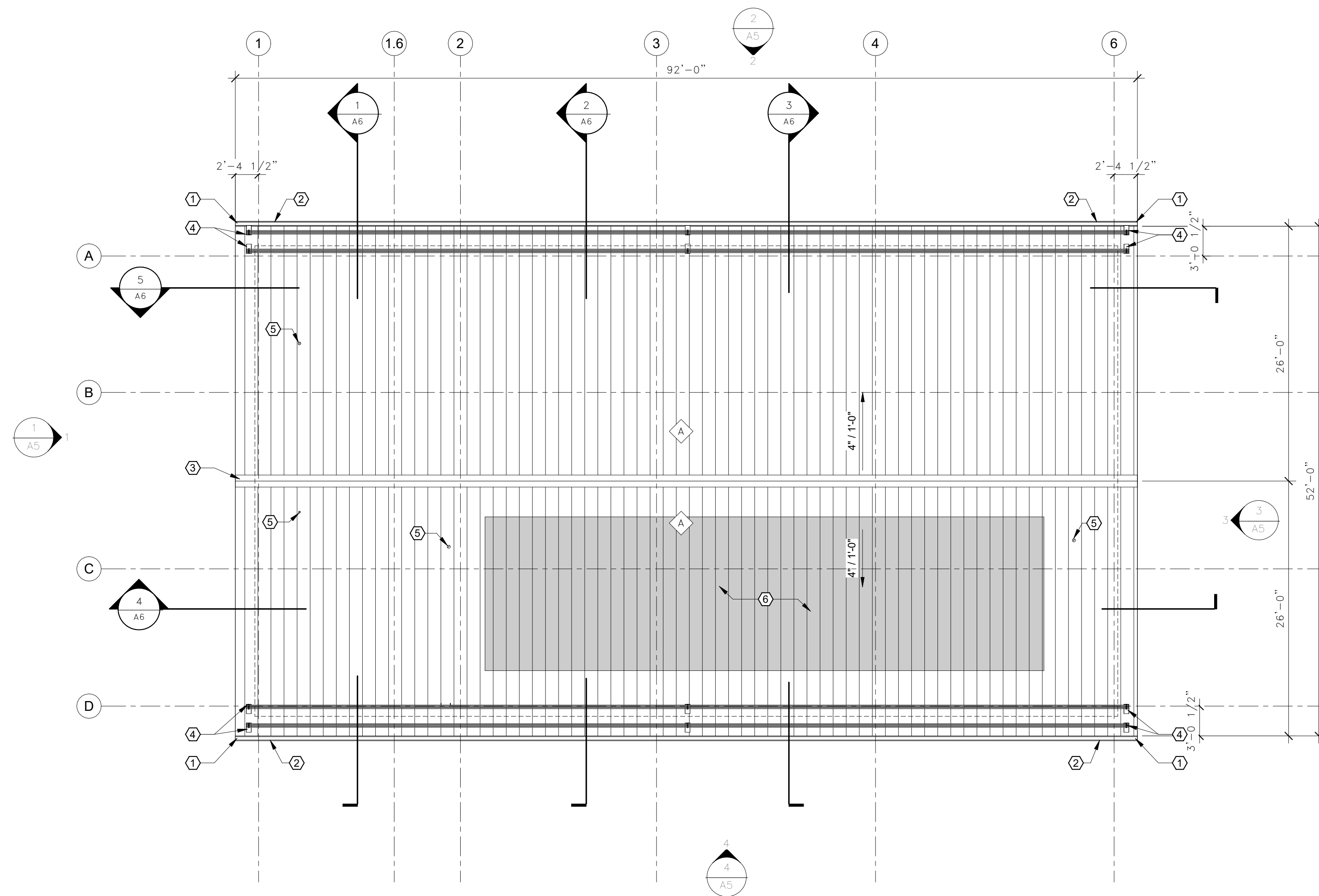
-  SHEET NOTE
-  DIMENSION TO FACE OF STUD
-  INDICATES ROOF SLOPE
-  ROOF TYPE - SEE ASSEMBLIES ON G4

VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" _____ 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature: **RAM**
Typed or Printed Name: Rebecca Muchow
Date: 01/12/24 License Number: 52502

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
ROOF PLAN			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD: RDL 137A0	DRAWING NO: 3R-MN-1176-137	SHEET 16 OF 64	

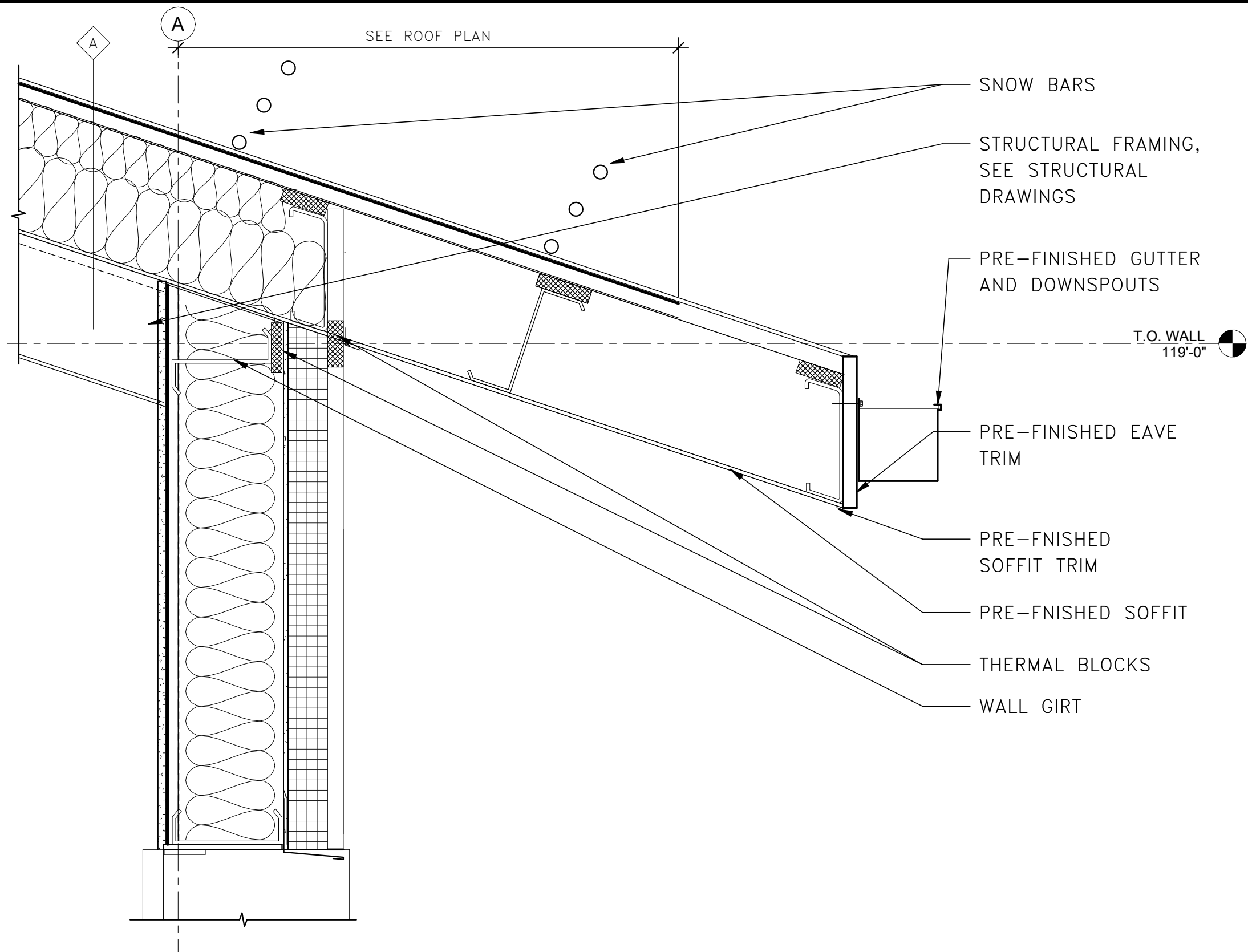
A3



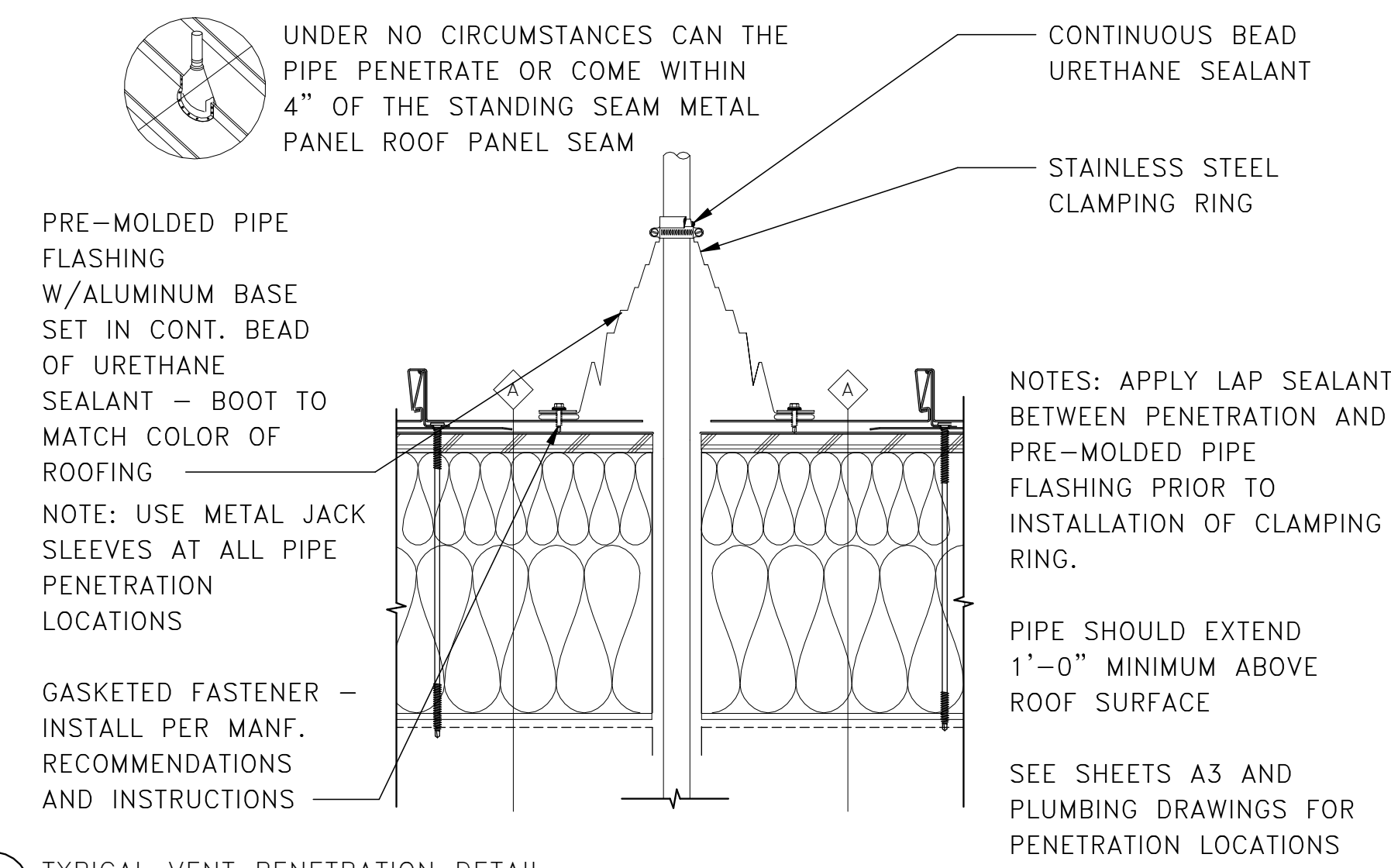
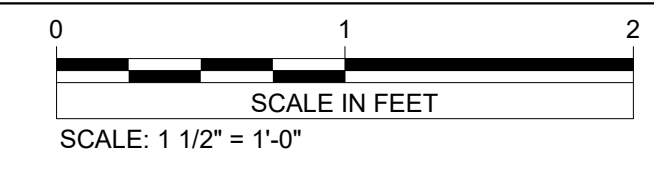
1 ROOF PLAN
A3

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SCALE: 1/8" = 1'-0"

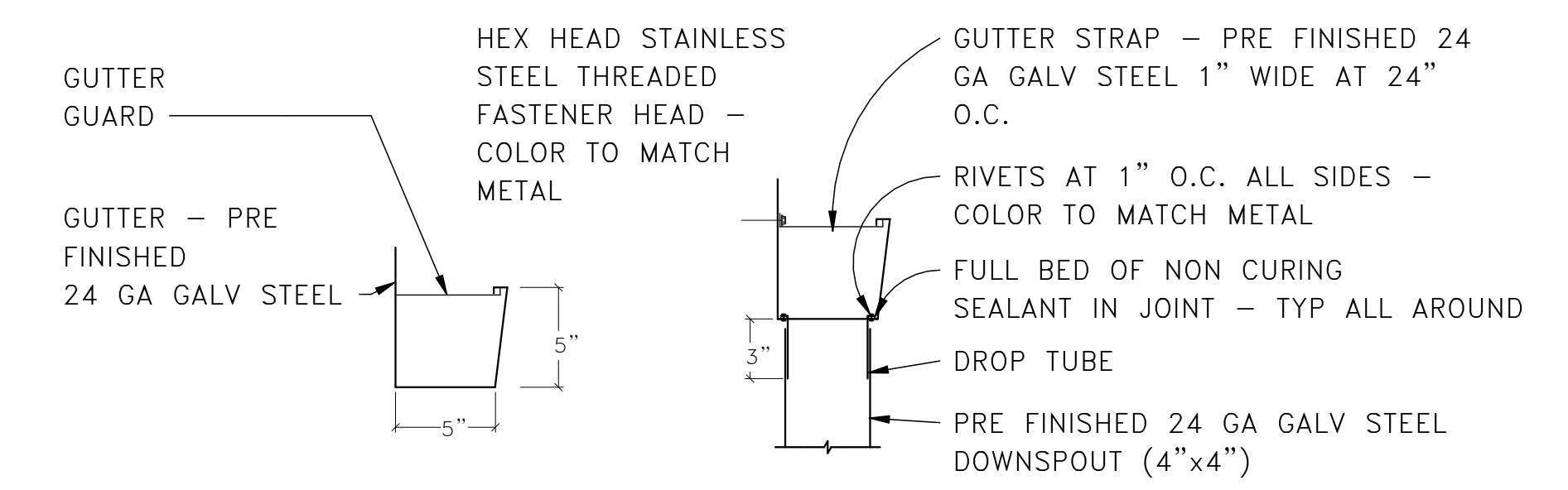
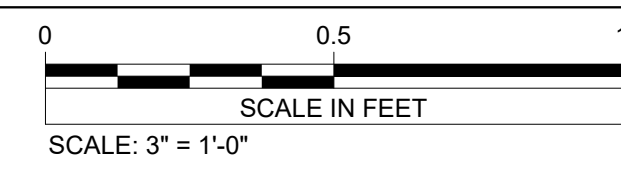
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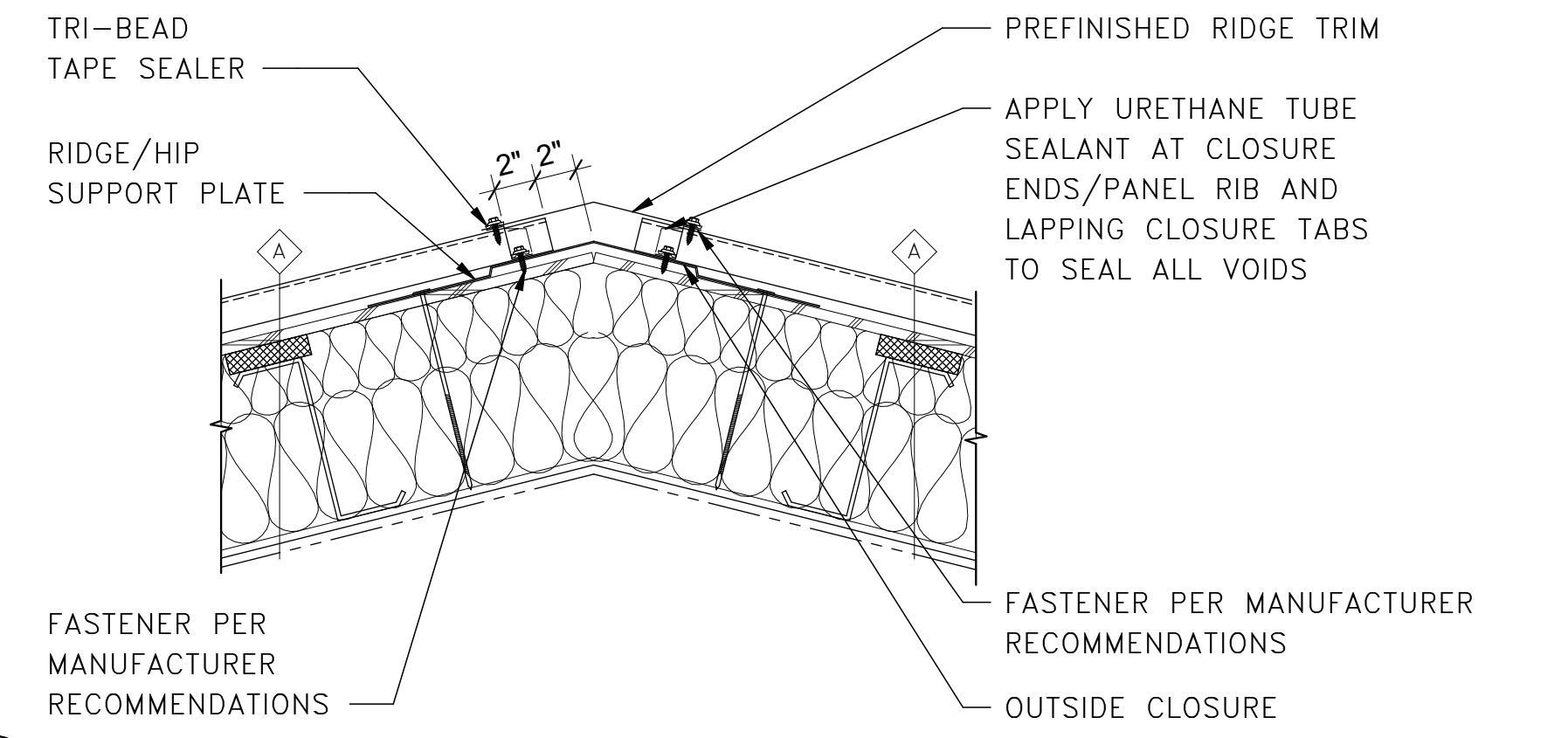
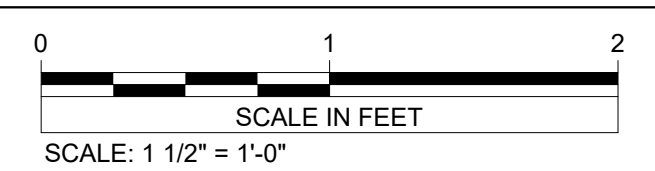
1 TYPICAL ROOF DETAIL



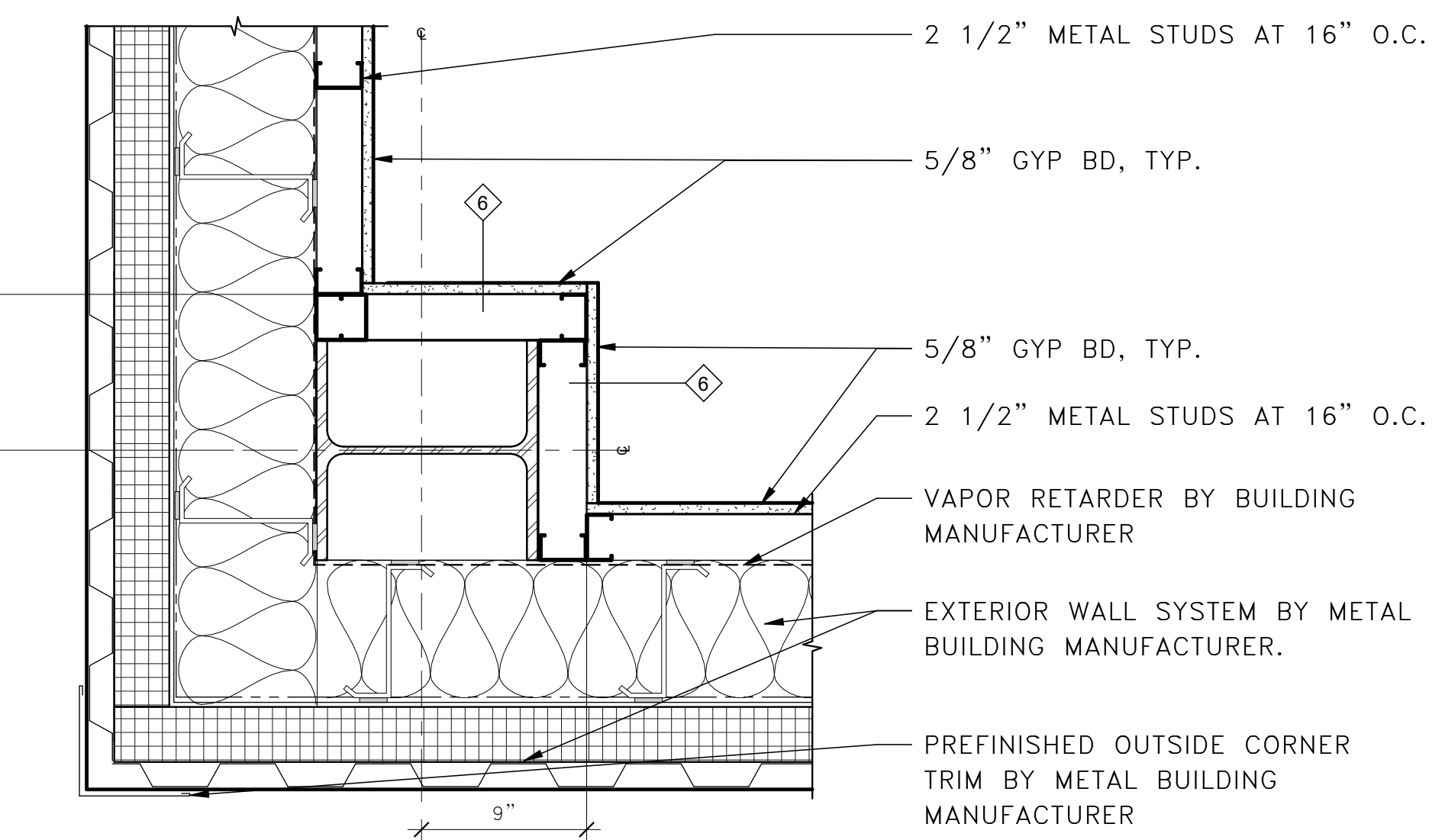
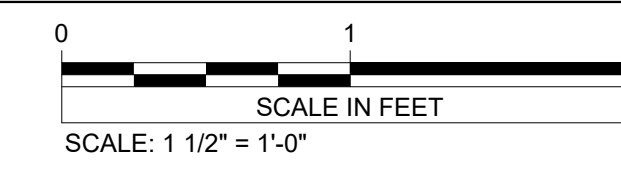
2 TYPICAL VENT PENETRATION DETAIL



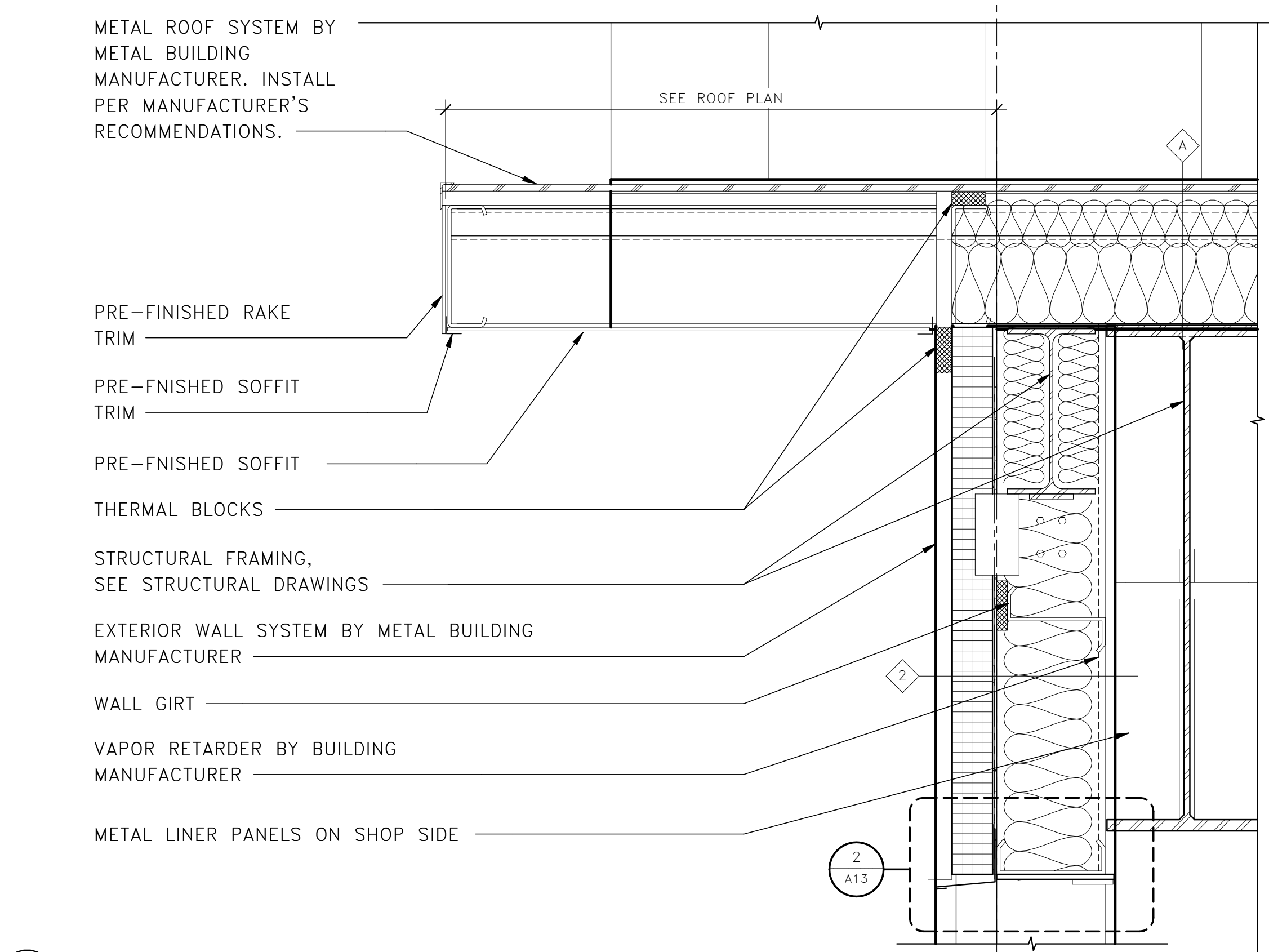
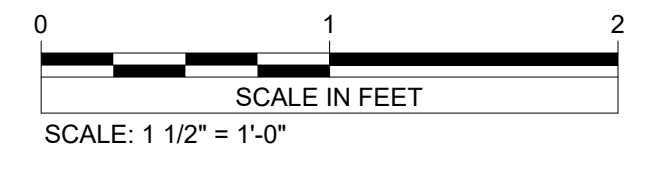
3 GUTTER DIMENSIONS / STRAP AND DROP TUBE



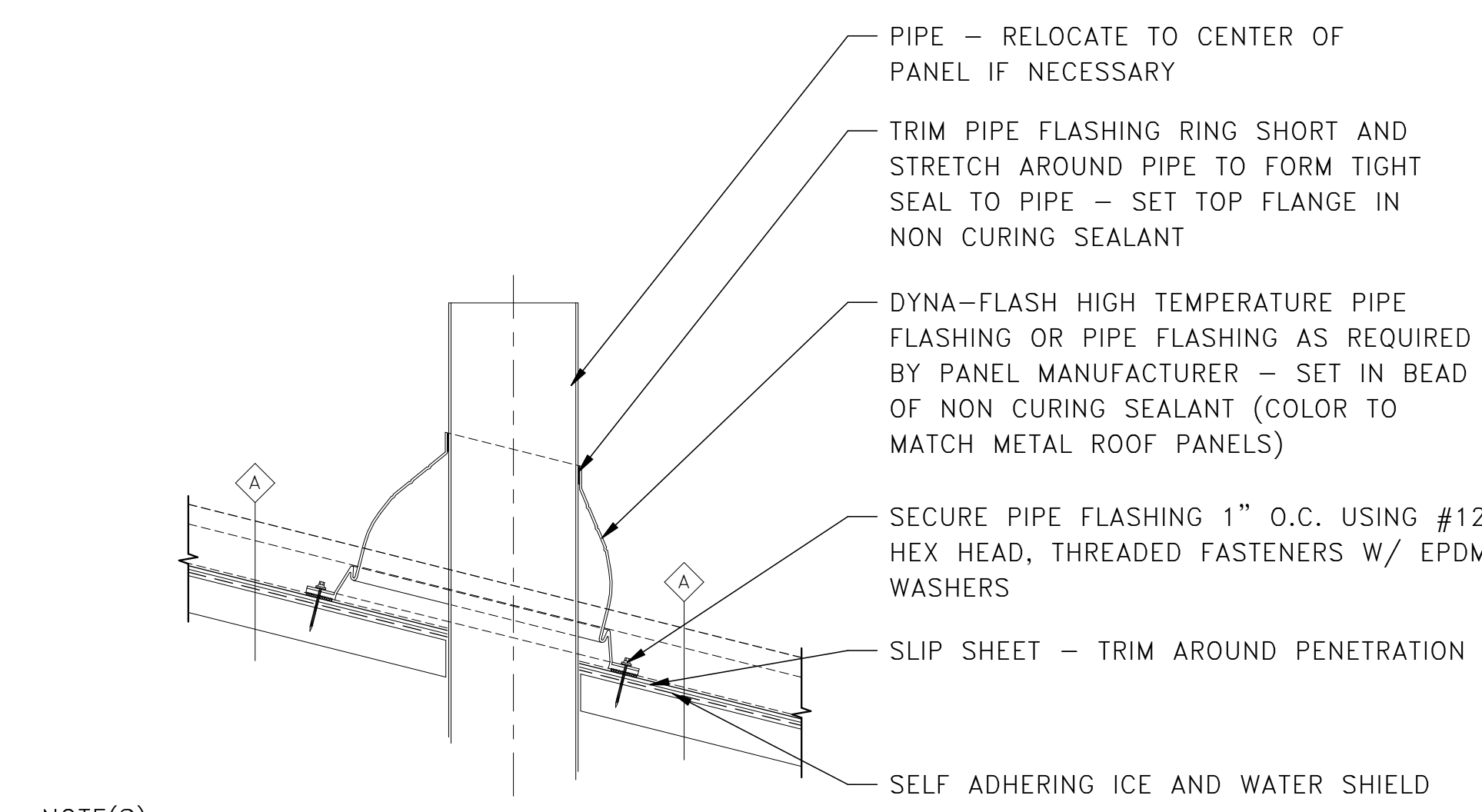
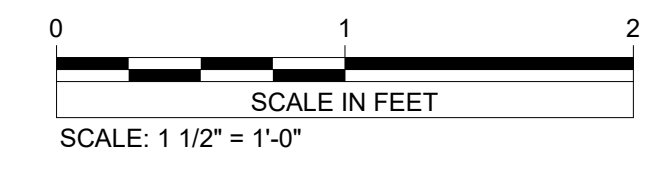
5 TYPICAL RIDGE DETAIL



6 BUILDING CORNER AT OFFICE



4 TYPICAL RAKE DETAIL



7 VENT THROUGH ROOF BOOT FLASHING



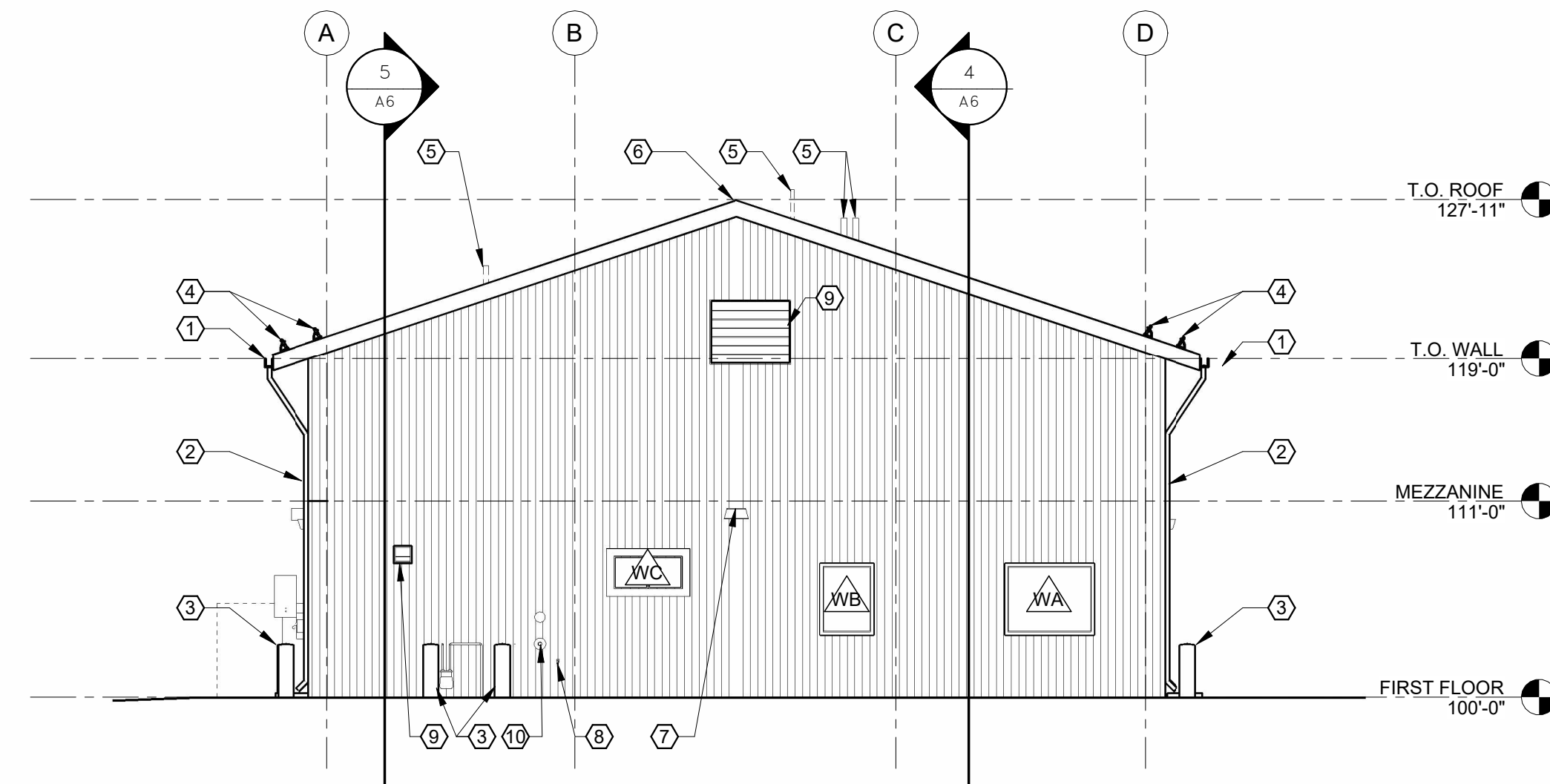
- NOTE(S):
1. SEAL AROUND PIPE USING HIGH TEMPERATURE URETHANE SEALANT PRIOR TO INSTALLING BOOT FLASHING.
 2. PANEL LAYOUT TO BE CALCULATED FOR PIPE PENETRATION TO FALL IN THE CENTER OF A PANEL.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: **RAM**
 Typed or Printed Name: Rebecca Muchow
 Date: 01/22/24 License Number: 52502

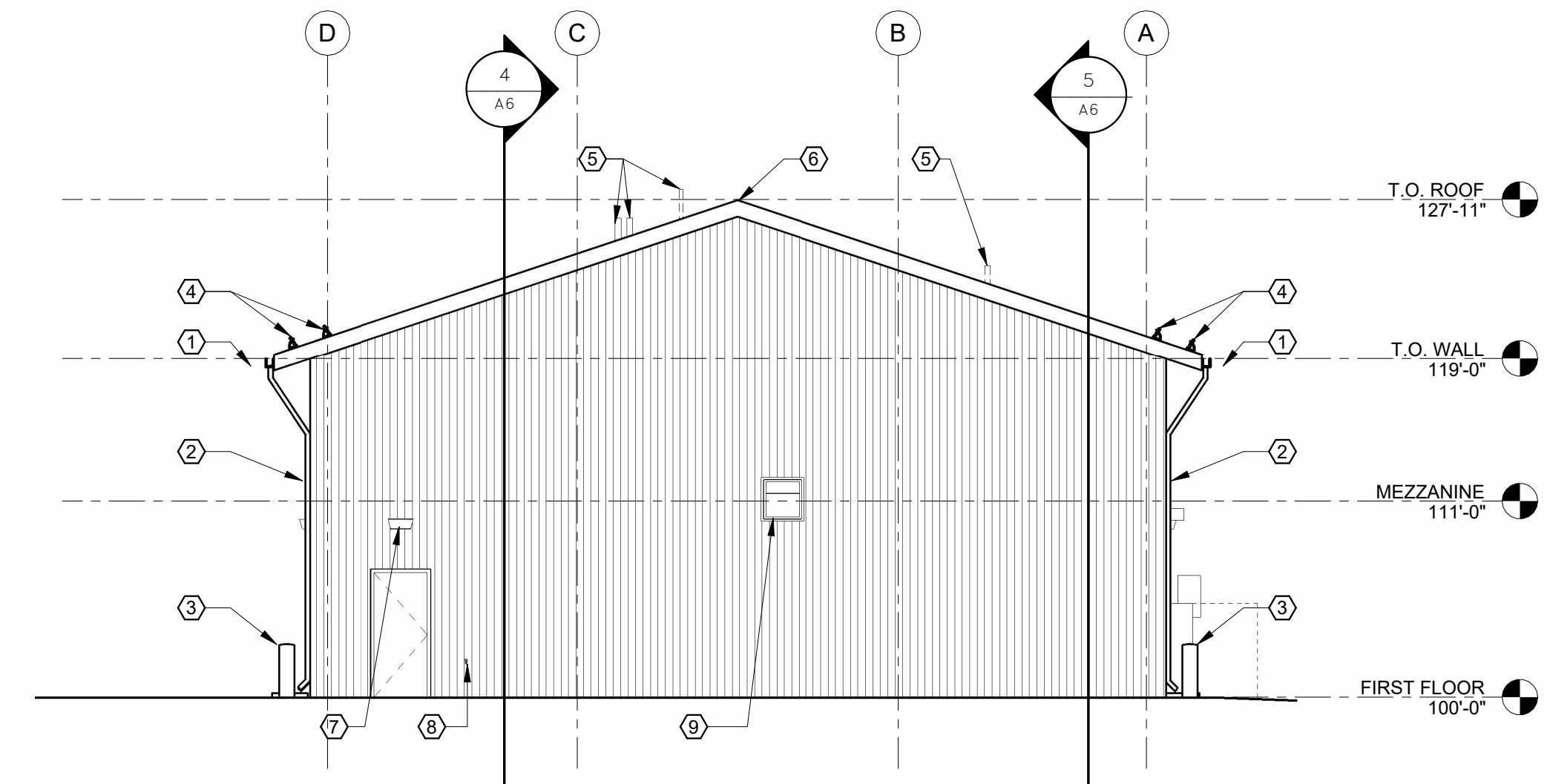
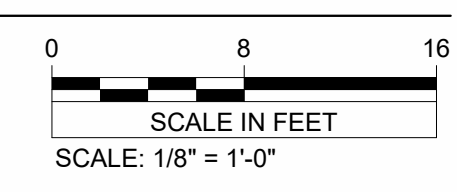
VERIFY SCALE
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 ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
ROOF AND PLAN DETAILS			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL138A2	DRAWING NO: 3R-MN-1176-138	SHEET 17 OF 64	

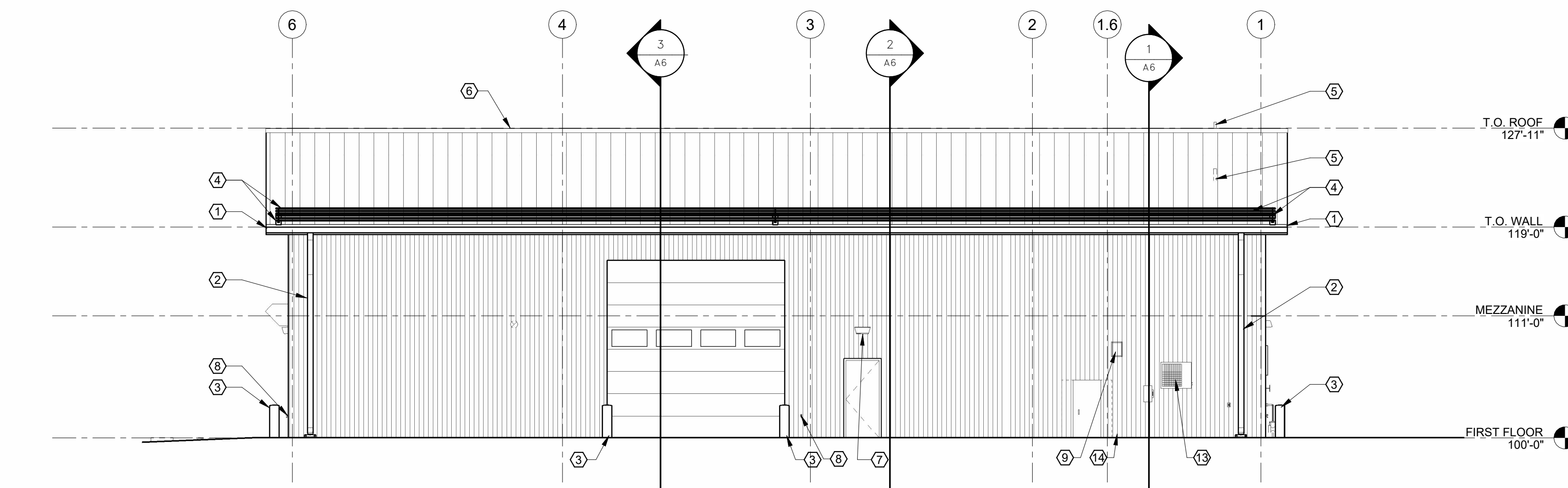
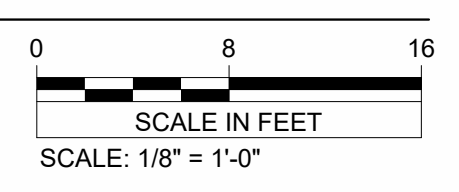
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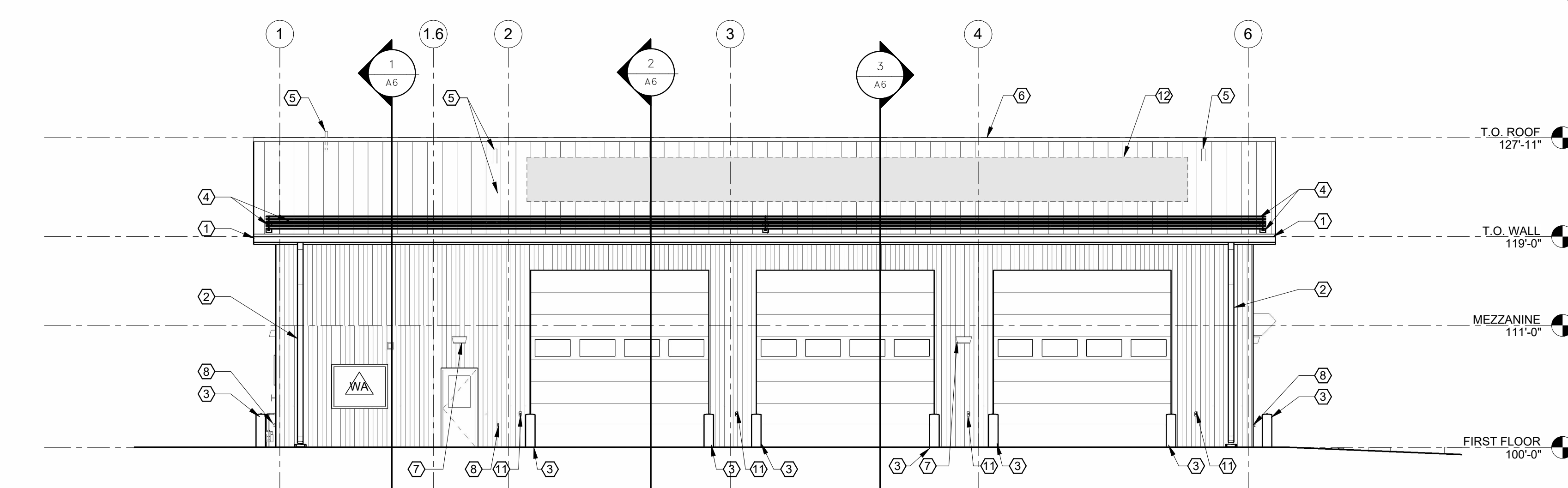
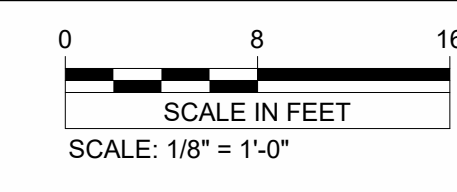
1 WEST ELEVATION



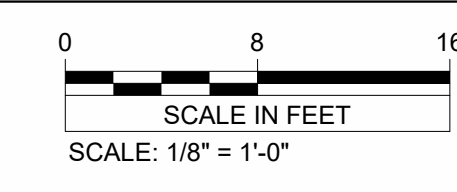
3 EAST ELEVATION



2 NORTH ELEVATION



4 SOUTH ELEVATION



GENERAL NOTES

- A. PAINT ALL EXPOSED TO VIEW FERROUS METAL PER SPECIFICATION DIVISION 9 "FINISHES".
- B. REFER TO ROOF PLAN SHEET FOR ADDITIONAL INFORMATION REGARDING DETAILS, GUTTERS, AND SNOWGUARDS.
- C. REFER TO STRUCTURAL DRAWINGS FOR SIZE AND CONNECTION DETAILS OF FRAMING COMPONENTS, BEAMS, DECKING AND OTHER SECTIONS.
- D. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING OF CONCRETE SLAB, FOOTINGS, AND FOUNDATION.
- E. REFER TO FLOOR PLANS SHEETS AND DOOR AND WINDOW SCHEDULES AND DETAILS SHEET FOR EXTERIOR DOOR AND WINDOW FRAME TYPES AND LOCATIONS IN RELATION TO FINISH FLOOR.

SHEET NOTES

- 1 GUTTER BY METAL BUILDING MANUFACTURER, TYP. SEE SPECIFICATIONS.
- 2 DOWNSPOUT BY METAL BUILDING MANUFACTURER, TYP. SEE SPECIFICATIONS.
- 3 STEEL PIPE BOLLARD, SEE CIVIL FOR DETAIL. COORDINATE EXACT LOCATION WITH OWNER.
- 4 PROVIDE TWO ROWS OF CONTINUOUS SNOW GUARD AS INDICATED. SEE SPECIFICATIONS.
- 5 TYPICAL VENT THROUGH ROOF, INSTALL PER STANDING SEAM METAL ROOF MANUFACTURER'S DETAILS, COORDINATE LOCATION MEP.
- 6 PROVIDE PRE-FINISHED METAL RIDGE CAP.
- 7 LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
- 8 HOSE BIB, SEE PLUMBING DRAWINGS.
- 9 MECHANICAL LOUVER, SEE MECHANICAL DRAWINGS.
- 10 HOSE 2". SEE PLUMBING DRAWINGS.
- 11 ELECTRICAL OUTLET, SEE ELECTRICAL.
- 12 PV ARRAY AS BID ADDITIVE, SEE ELECTRICAL.
- 13 MINI SPLIT, SEE MECHANICAL DRAWINGS.
- 14 GENERATOR TRANSFER SWITCH, SEE ELECTRICAL.

MATERIALS LEGEND

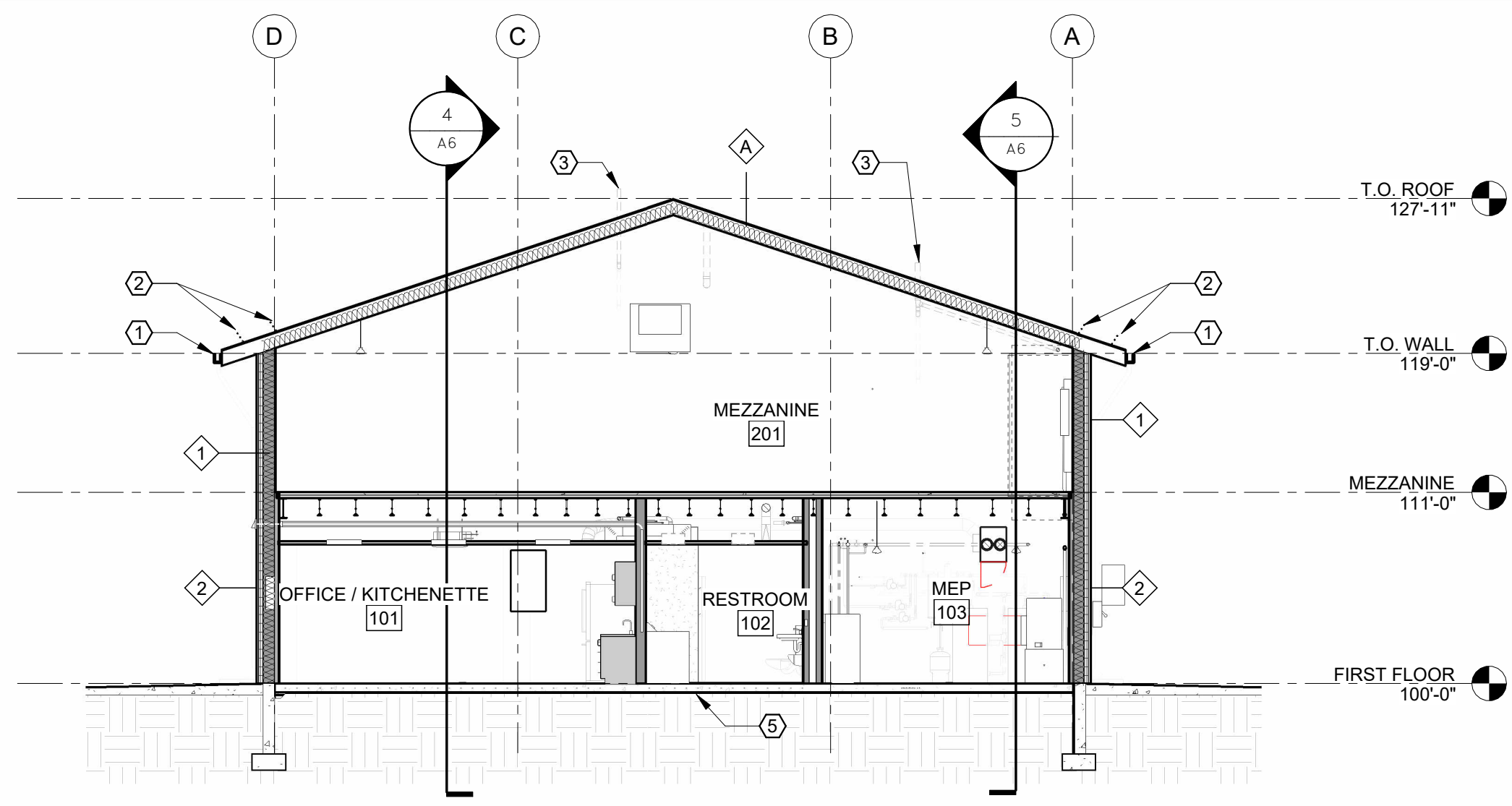
- METAL WALL PANELS BY METAL BUILDING MANUFACTURER. SEE SPECIFICATION 133419
- STANDING SEAM METAL ROOF BY METAL BUILDING MANUFACTURER. SEE SPECIFICATION 074113.16

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 Signature: **R.M.**
 Typed or Printed Name: Rebecca Muchow
 Date: 01/20/24 License Number: 52502

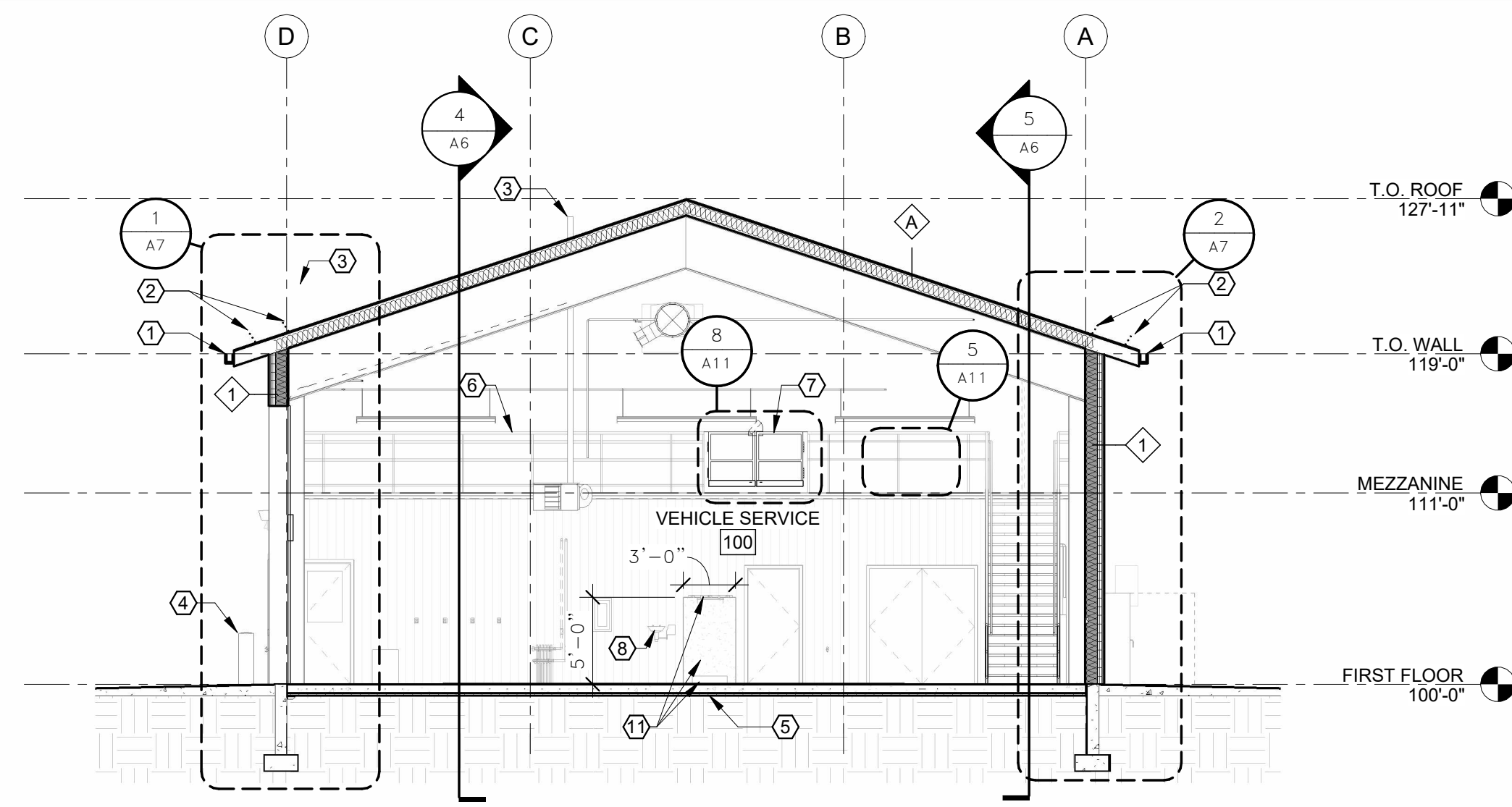
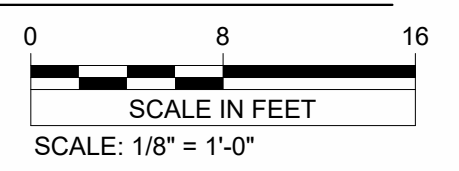
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REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY, MINN. ERSKINE, MN			
EXTERIOR ELEVATIONS			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL 139A1	DRAWING NO: 3R-MN-1176-139	SHEET 18 OF 64	

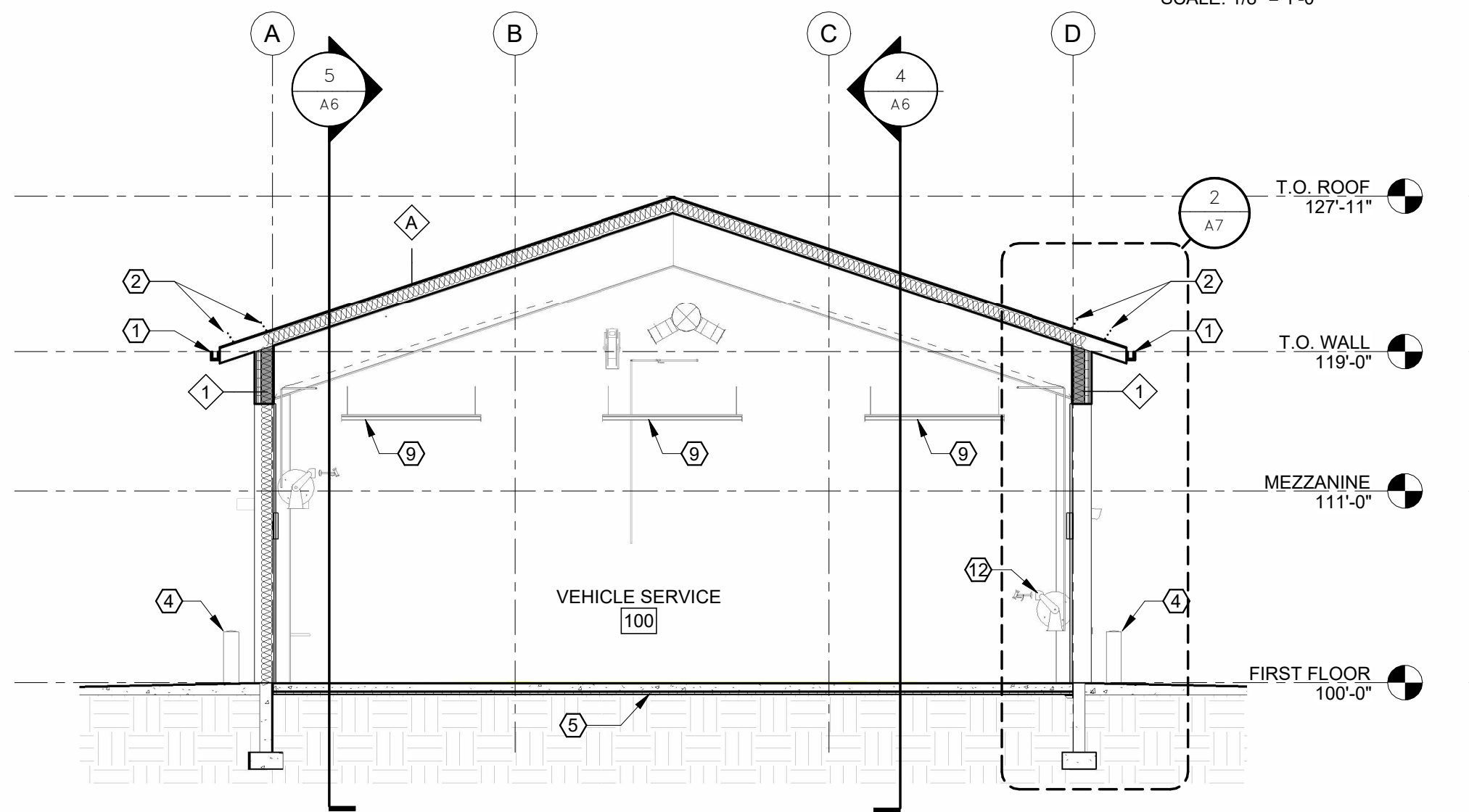
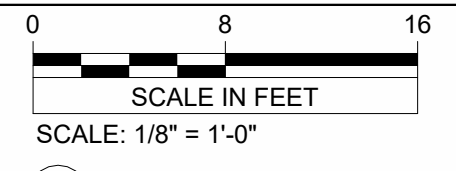
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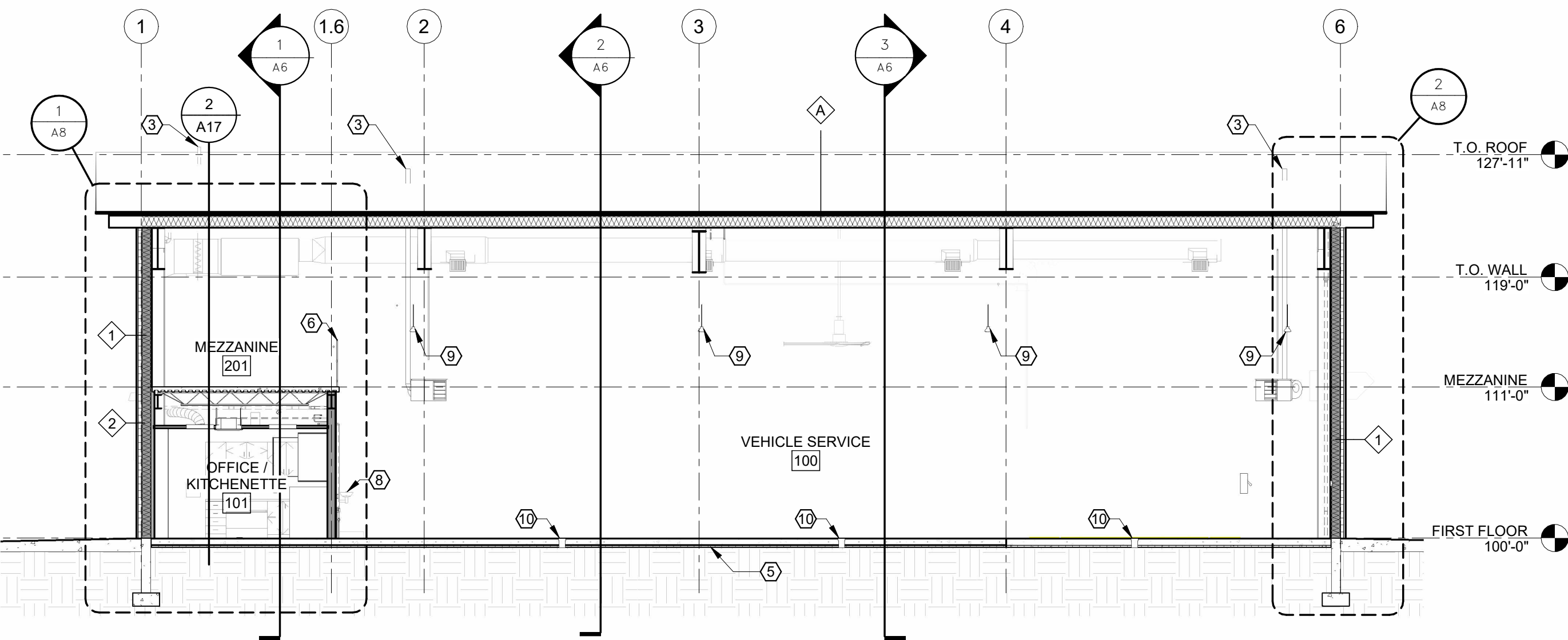
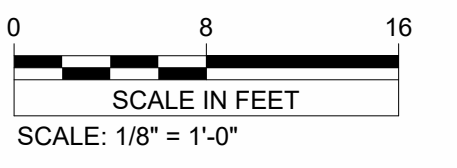
1 BUILDING SECTION 01



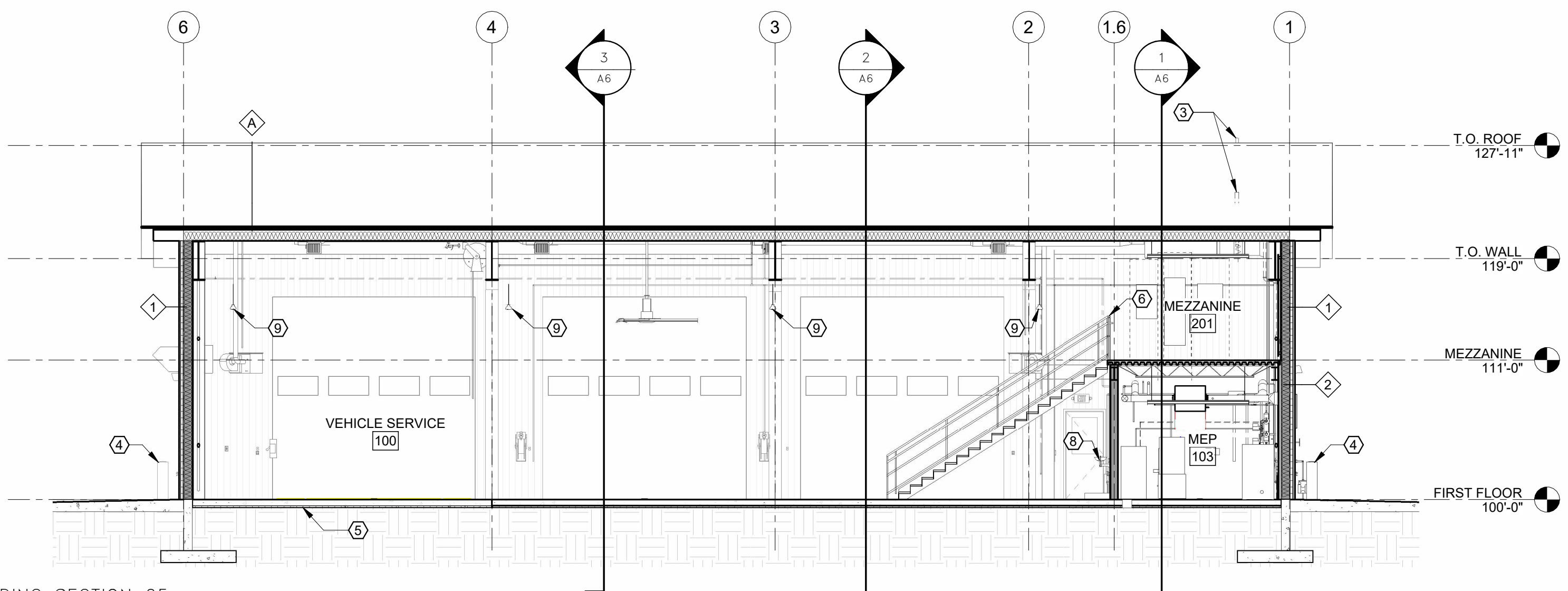
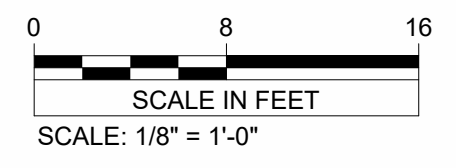
2 BUILDING SECTION 02



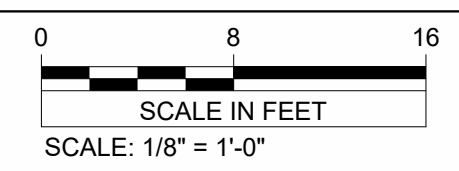
3 BUILDING SECTION 03



4 BUILDING SECTION 04



5 BUILDING SECTION 05



GENERAL NOTES

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- C. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING OF CONCRETE SLAB, FOOTINGS, AND FOUNDATION.
- D. REFER TO FLOOR PLANS SHEETS AND DOOR AND WINDOW SCHEDULES AND DETAILS SHEET FOR EXTERIOR DOOR AND WINDOW FRAME TYPES.
- E. PROVIDE VAPOR RETARDER UNDER SLAB-ON-GRADE, SEE STRUCTURAL DRAWINGS.

SHEET NOTES

- 1 GUTTER BY METAL BUILDING MANUFACTURER, TYP. SEE SPECIFICATIONS.
- 2 PROVIDE TWO ROWS OF CONTINUOUS SNOW GUARD AS INDICATED. SEE SPECIFICATIONS.
- 3 TYPICAL VENT THROUGH ROOF, INSTALL PER STANDING SEAM METAL ROOF MANUFACTURER'S DETAILS, COORDINATE LOCATION WITH MEP.
- 4 STEEL PIPE BOLLARD, SEE CIVIL FOR DETAIL. COORDINATE EXACT LOCATION WITH OWNER.
- 5 R5 UNDERSLAB INSULATION ACROSS ENTIRE BUILDING
- 6 PROVIDE GUARDRAIL AROUND ENTIRE PERIMETER OF MEZZANINE AS SHOWN.
- 7 PROVIDE GATE IN GUARDRAIL. COORDINATE EXACT LOCATION OF GATE IN FIELD WITH OWNER.
- 8 EMERGENCY EYEWASH STATION.
- 9 LIGHTING, SEE ELECTRICAL.
- 10 TRENCH DRAIN, SEE PLUMBING PLANS. FLAMMABLE WASTE TRAP, SEE PLUMBING PLANS.
- 11 SERVICE SINK AND MOP/BROOM HOLDER. INSTALLED FRP ON WALL. SEE PLUMBING.
- 12 AIR COMPRESSOR HOSE REEL ABOVE. SEE PLUMBING.

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 Typed or Printed Name: Rebecca Muchow
 Date: 01/12/24 License Number: 52502

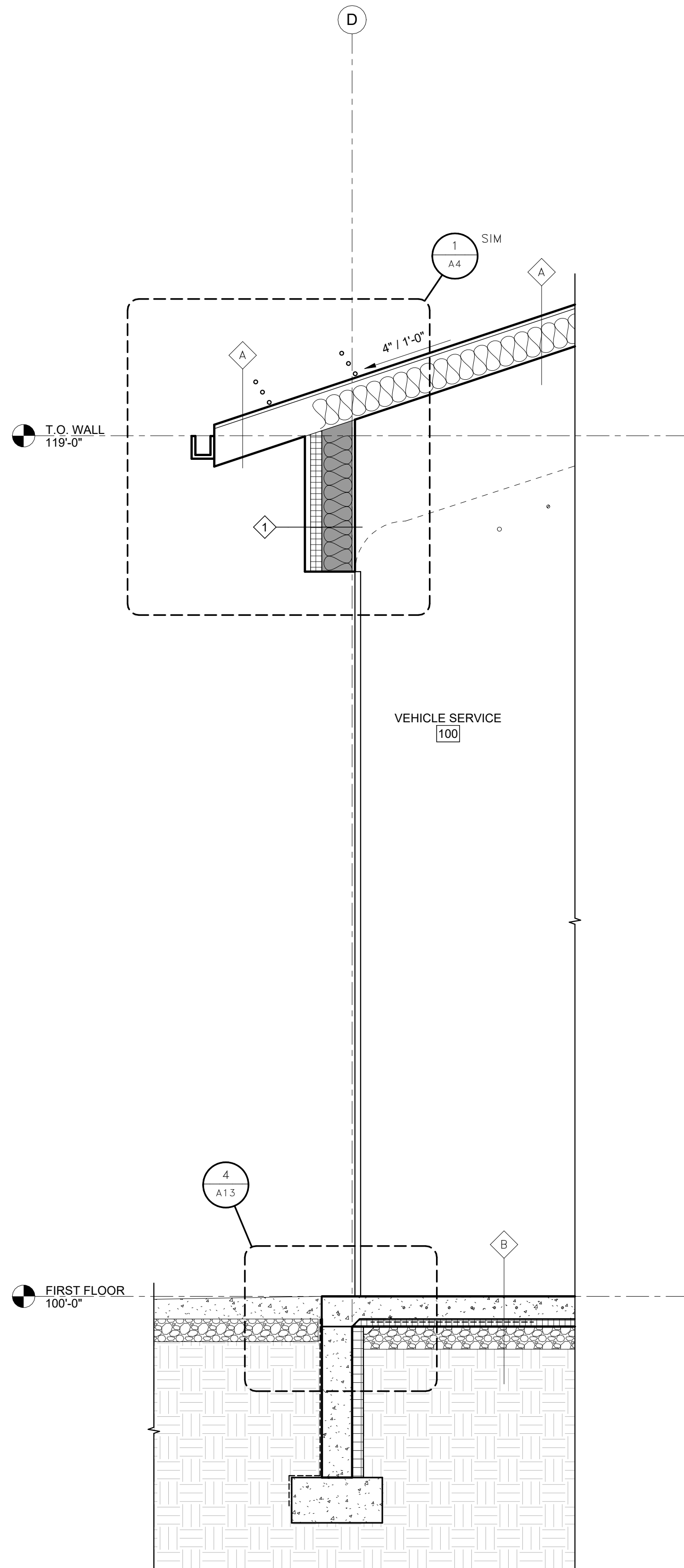
VERIFY SCALE
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REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY, IOWA ERSKINE, MN			
BUILDING SECTIONS			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD: RDL 140A2	DRAWING NO: 3R-MN-1176-140	SHEET 19 OF 64	

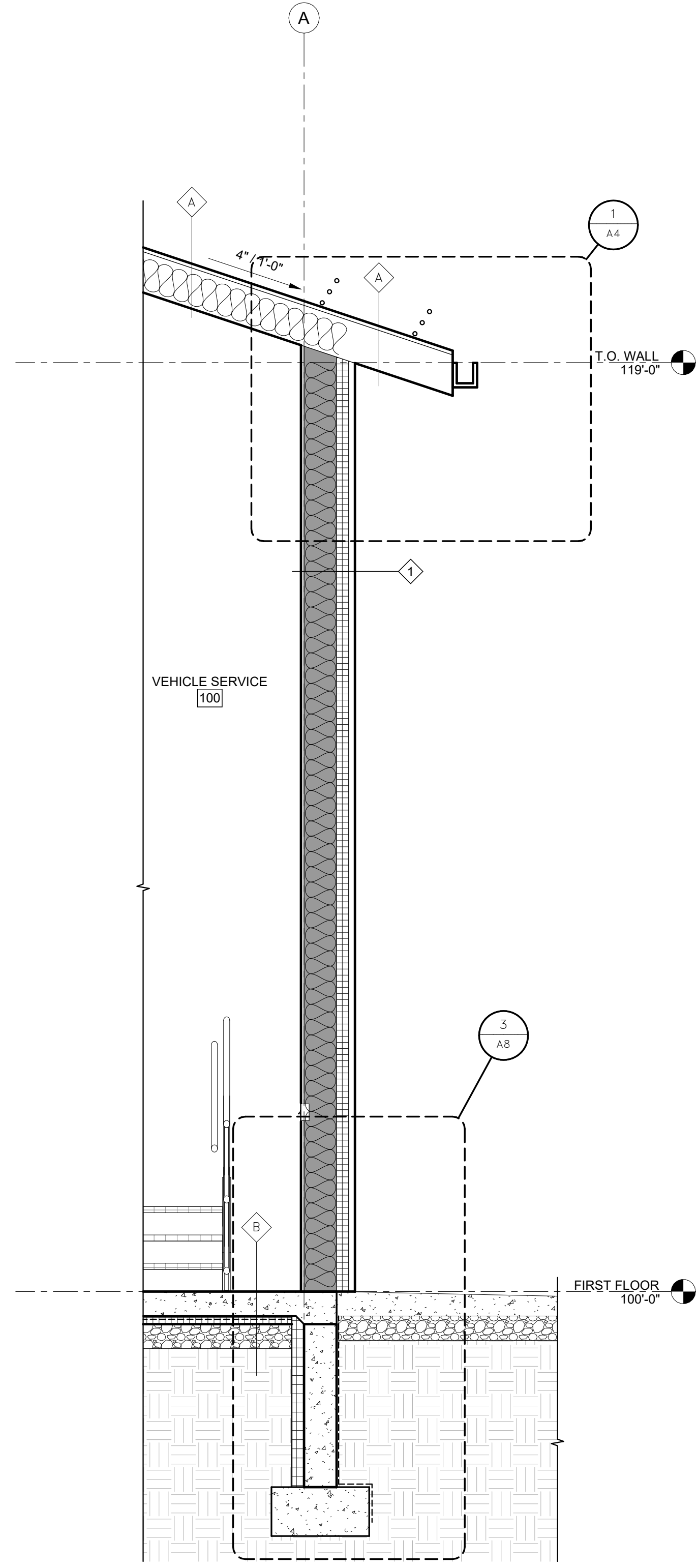
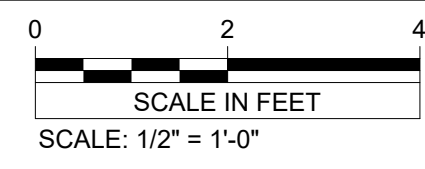
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GENERAL NOTES

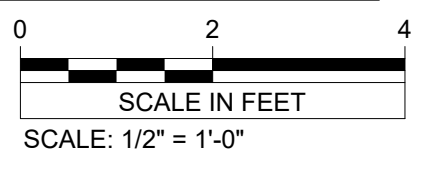
- A. PAINT ALL EXPOSED TO VIEW FERROUS METAL PER SPECIFICATION DIVISION 9 "FINISHES".
- B. REFER TO ROOF PLAN SHEET FOR ADDITIONAL INFORMATION.
- C. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING OF CONCRETE SLAB, FOOTINGS, AND FOUNDATION.
- D. REFER TO FLOOR PLANS SHEETS AND DOOR AND WINDOW SCHEDULES AND DETAILS SHEET FOR EXTERIOR DOOR AND WINDOW FRAME TYPES.
- E. PROVIDE VAPOR RETARDER UNDER SLAB-ON-GRADE, SEE STRUCTURAL DRAWINGS.



1 WALL SECTION - 01



2 WALL SECTION - 02

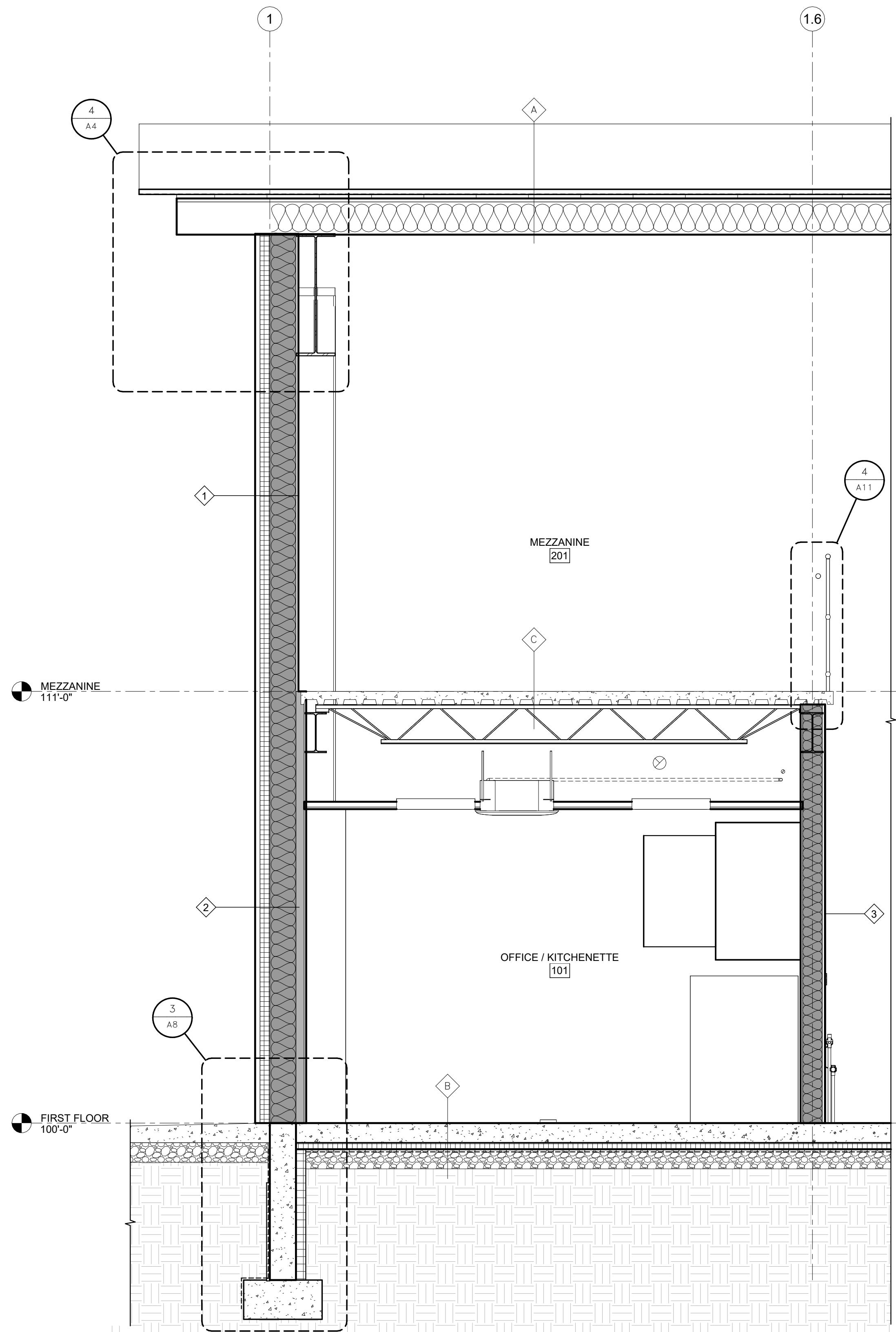


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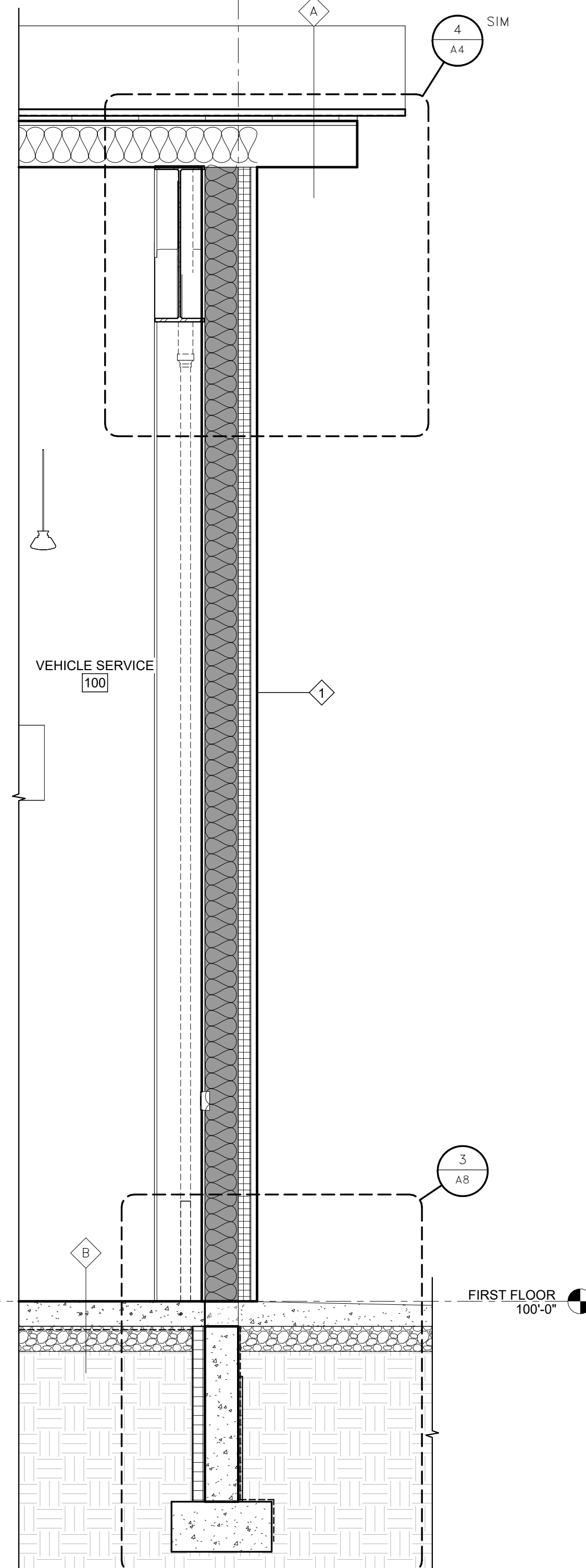
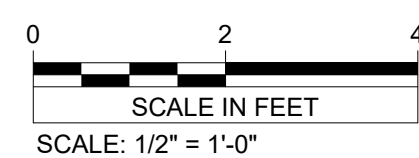
REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
WALL SECTIONS			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL 141 A2	DRAWING NO: 3R-MN-1176-41	SHEET 20 OF 64	

A7



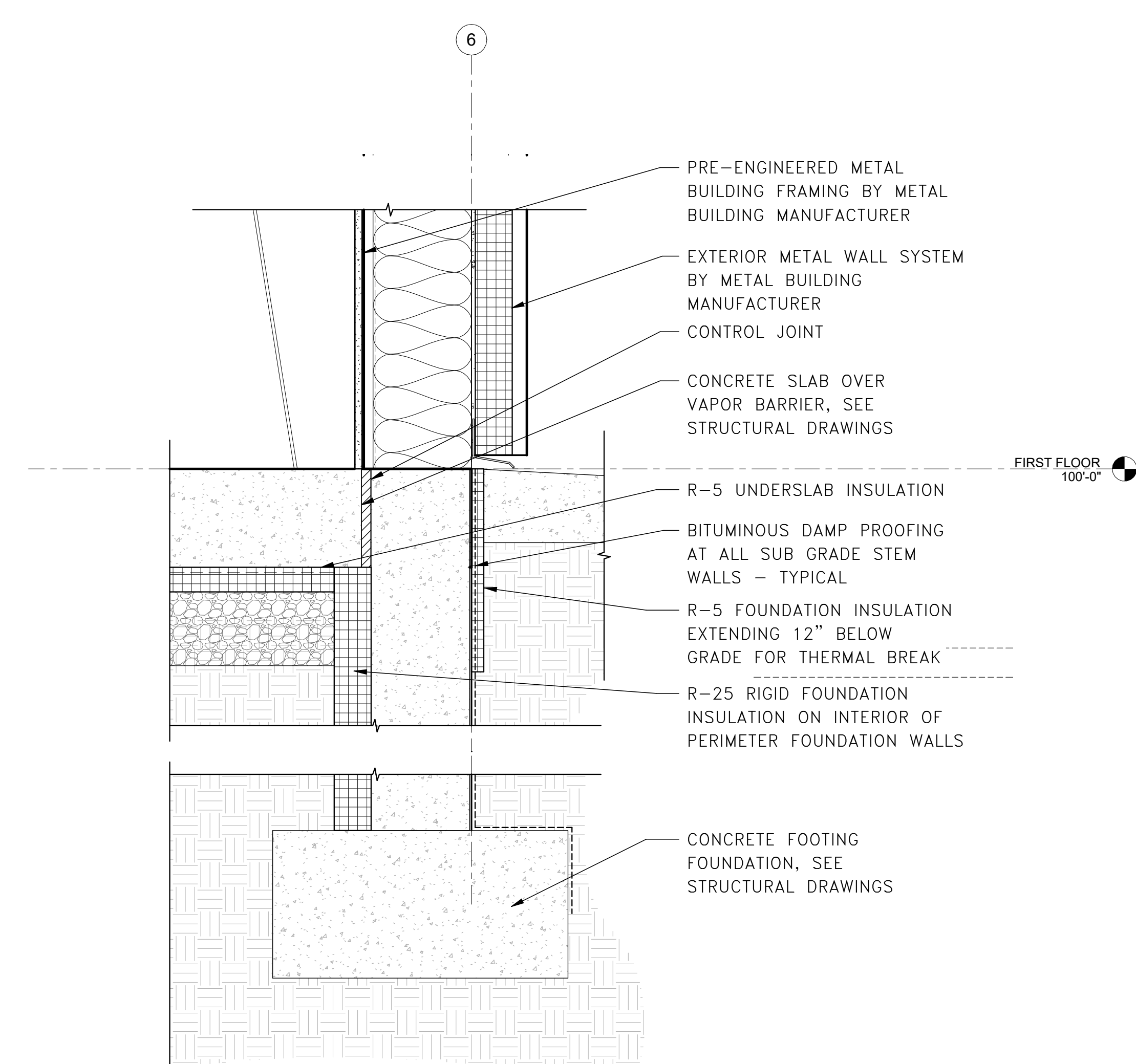
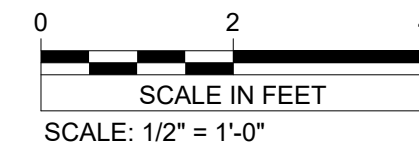
1 WALL SECTION - 04

A8



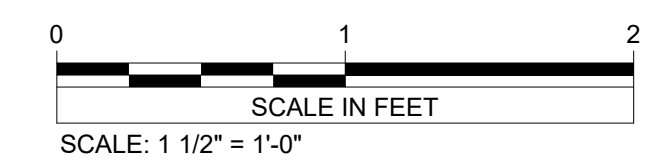
2 WALL SECTION - 05

A8



3 WALL BASE DETAIL

A8



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REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
			ERSKINE, MN
WALL SECTIONS			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL 142A2	DRAWING NO: 3R-MN-1176-142	SHEET 21 OF 64	

A8

SHEET NOTES

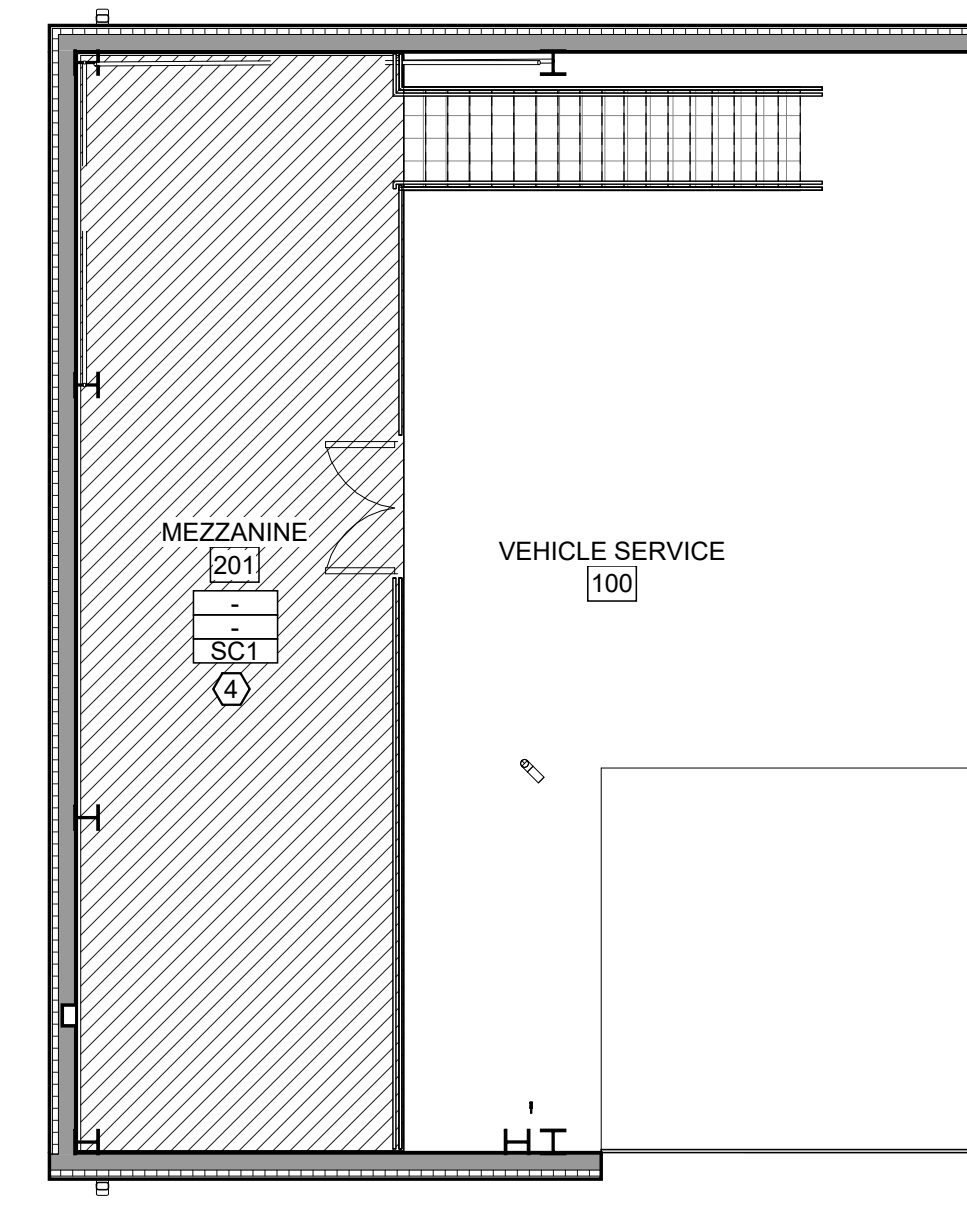
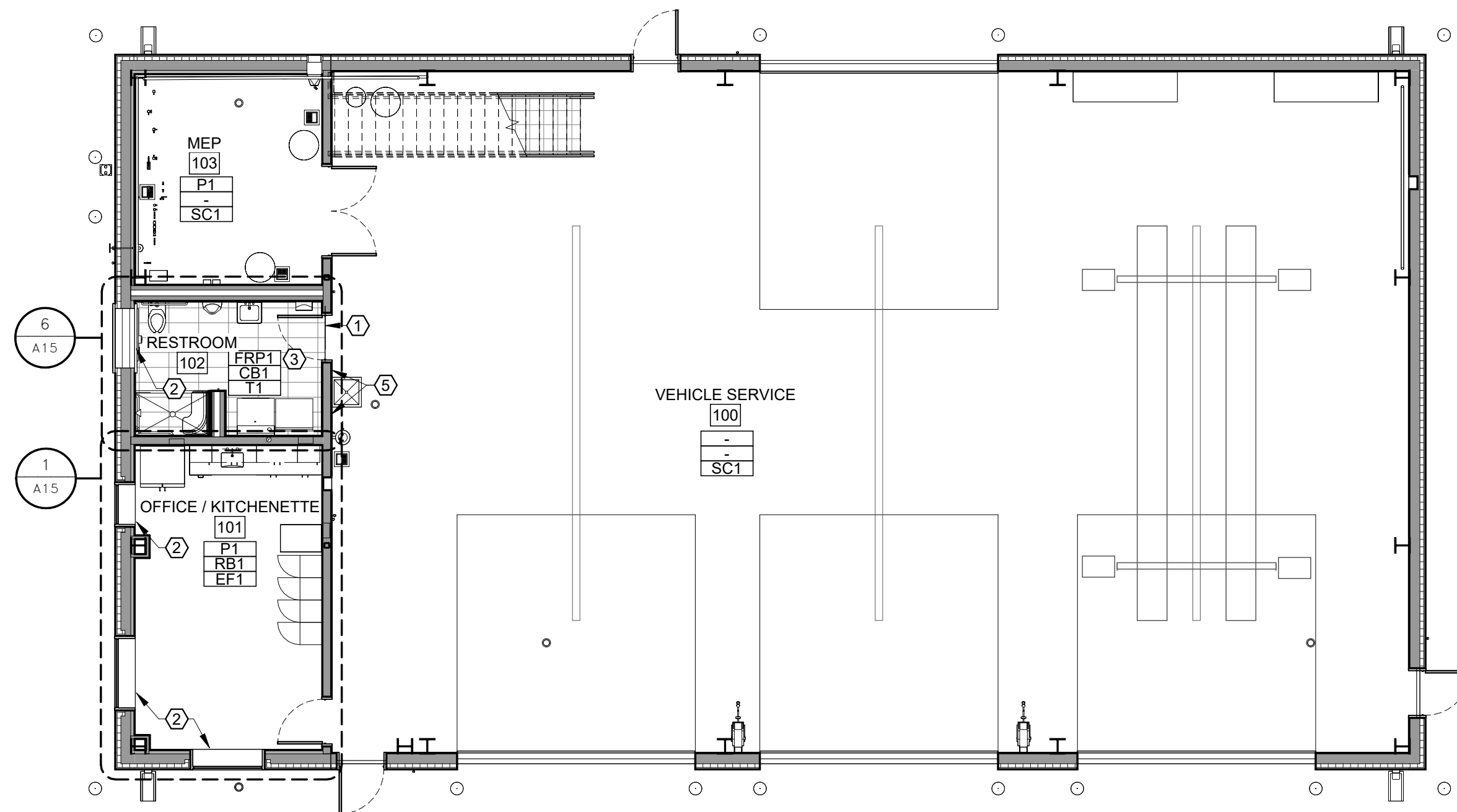
- 1 PROVIDE METAL TRANSITION STRIP (TS1) FOR SMOOTH TRANSITION.
- 2 PROVIDE ROLLER SHADE (RS1) AT WINDOWS
- 3 WALL PROTECTION TO RUN TOP OF BASE, 8' H WITH EPOXY PAINT ABOVE. PROVIDE TRIM AT TOP OF PANEL. SEAMS TO BE CAULKED NO MORE THAN 1/8" THICK.
- 4 RAILING TO BE PAINTED EP1.
- 5 INSTALL FRP1 AT SERVICE SINK AREA.

GENERAL NOTES

- A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS, USING MANUFACTURER'S ADHESIVES, TOOLS, AND METHODS. REFER TO SPECIFICATIONS FOR ALL FINISH MATERIAL PRODUCT INFORMATION.
- B. REFER TO INTERIOR ELEVATIONS SHEETS FOR ADDITIONAL FINISHES.
- C. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND ADDITIONAL FINISHES.
- D. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER.
- E. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- F. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOORS UNLESS NOTED OTHERWISE.
- G. ALL FLOOR TRANSITIONS ARE TO BE ADA COMPLIANT.
- H. ALL EXPOSED STRUCTURE, GYPSUM CEILINGS, AND SOFFITS TO BE TO BE PAINTED 'P1' UNLESS OTHERWISE NOTED.
- I. REFER TO REFLECTED CEILING PLANS FOR LOCATIONS OF EXPOSED CEILINGS THAT ARE NOT TO BE PAINTED.
- J. ALL HOLLOW METAL FRAMES TO BE PAINTED 'P2' UNLESS OTHERWISE NOTED.
- K. ALL METAL ACCESS PANELS, COVER PLATES, VENTS, AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON.
- L. ALL WINDOW COVERINGS ARE TO BE FIELD MEASURED, INSTALLED WITH ALL COMPONENTS, AND INSIDE MOUNTED TO JAMBS.
- M. REFER TO SPECIFICATION SECTION 101423 PANEL SIGNAGE FOR ADDITIONAL SIGNAGE LOCATIONS AND REQUIREMENTS.
- N. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED EQUIPMENT, MILLWORK, AND HARDWARE, SEE SPECIFICATIONS.

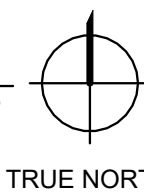
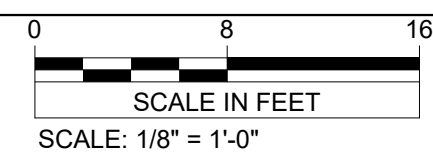
FINISH PLAN LEGEND

- 101 ROOM NUMBER
 - ⊗ PLAN NOTE
 - XX### FINISH TAG, ACCENT MATERIAL
 - XX### EXTENT OF ACCENT PAINT OR WALL FINISHES
- FINISH TAGS DISPLAYED IN GROUPING ON FINISH PLAN REPRESENT MAJORITY ROOM FINISH SELECTIONS. ORDER OF GROUPING DEFINED IN EXAMPLE BELOW:
- XX### MAJORITY WALL FINISH
 - XX### MAJORITY BASE FINISH
 - XX### MAJORITY FLOOR FINISH
- SC1 T1



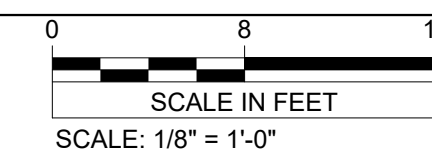
1 FIRST FLOOR FINISH PLAN

A9



2 MEZZANINE FINISH PLAN

A9



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REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
FINISH PLAN			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL143AO	DRAWING NO: 3R-MN-1176-143	SHEET 22 OF 64	

A9

MATERIALS LIST

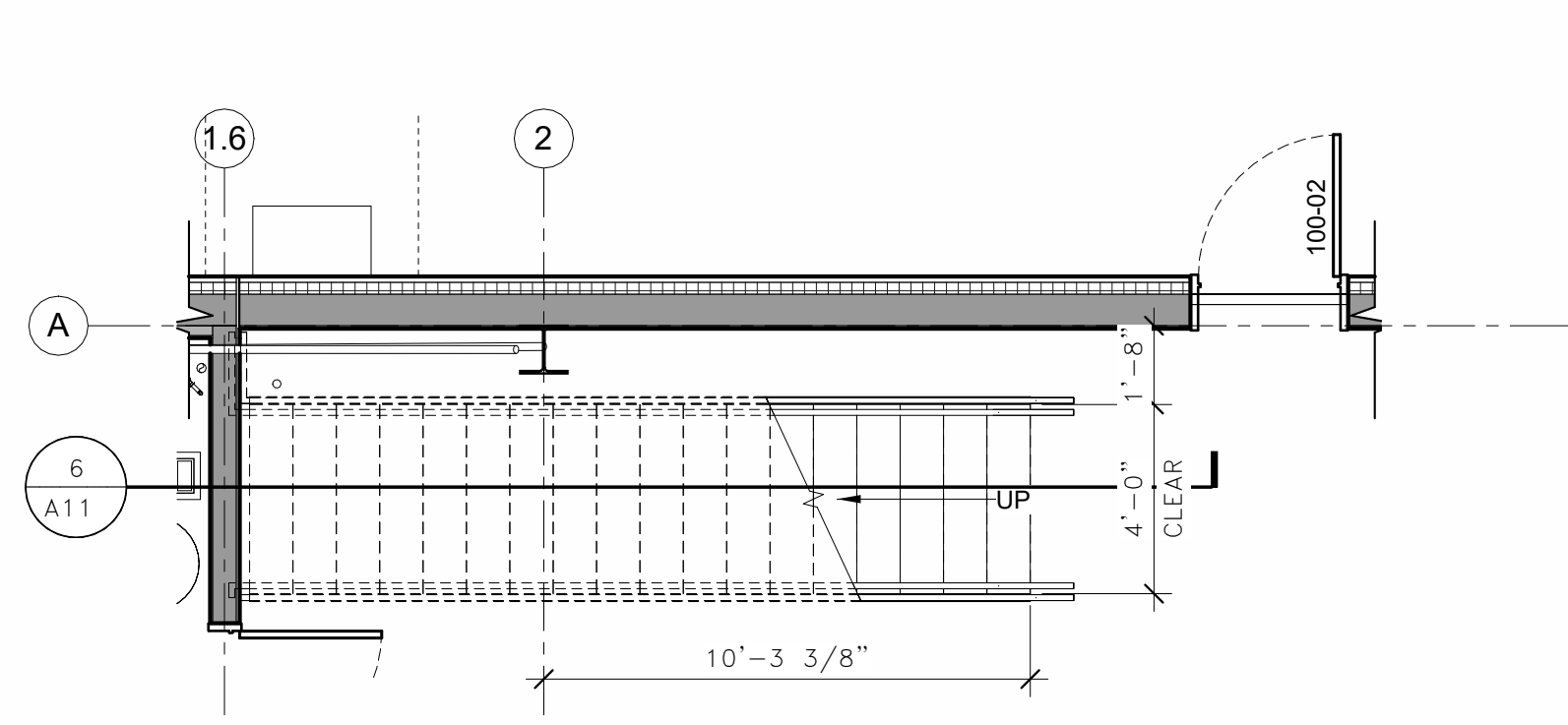
ITEM NO	PRODUCT TYPE	MANUFACTURER	DESCRIPTION	COLOR	SIZE	LOCATION	NOTES	CONTACT
CASEWORK								
PL1	PLASTIC LAMINATE	ARBORITE	CABINET FACE PLASTIC LAMINATE	RUCHED FLAX	-	SEE FINISH PLANS	PATTERN TO RUN VERTICALLY.	JOHN SHAW 206.280.4286
QZ1	QUARTZ COUNTERTOP	COSENTINO	COUNTERTOP	COPPER MIST - POLISHED	2 CM	SEE FINISH PLANS	-	JAIME SPENCER 385.282.3732
CEILING								
ACT	ACCOUSTIC CEILING TILE	ARMSTRONG	CIRRUS 15/16" ANGLED TEGULAR	WHITE	24"x24"	SEE REFLECTED CEILING PLANS	SEE SPECIFICATIONS	-
FLOORING								
EF1	EPOXY FLOOR FINISH	SHERWIN WILLIAMS	ARMORSEAL 8100	STAMPED CONCRETE	-	SEE FINISH PLANS	SEMI-GLOSS FINISH	-
SC1	SEALED CONCRETE	SHERWIN WILLIAMS	WATER-BASED CONCRETE SEALER	CLEAR	-	SEE FINISH PLANS	FLOORING TO HAVE NON-SLIP TEXTURE APPLIED TO TOP SURFACE. BASIS OF DESIGN TO BE SURECRETE NON SLIP GRIP ADDITIVE SUREGRIP.	-
T1	PORCELAIN TILE	DALTILE	MUSEO	EXHIBITION WHITE MU30	12" X 24"	SEE FINISH PLANS	GROUT COLOR TO BE DETERMINED BY ARCHITECT FROM MANUFACTURER LINE. STACKED INSTALLATION PATTERN.	JOHN PASTERNAK 208.375.4466
FLOORING TRANSITION								
TS1	TRANSITION STRIP	SCHLUTER	RENO-RAMP	BRUSHED STAINLESS STEEL	-	SEE FINISH PLANS	FLOOR TILE TO CONCRETE.	CORBAN BRENT 425.297.0356
MISC.								
LK1	LOCKERS	SCRANTON PRODUCTS	TUFTEC LOCKERS	BLUEBERRY	18" X 72"	SEE FINISH PLANS	-	JOHN MCKEON 971.400.7358
RS1	ROLLER SHADE	MECHOSHADE	MANUAL SINGLE ROLLER, 3% THERMOVEIL DENSE BASKET WEAVE 1500	TBD	-	SEE FINISH PLANS	COLOR TO BE DETERMINED BY ARCHITECT FROM MANUFACTURER LINE.	-
WALL BASE								
-	WALL BASE	-	-	-	-	SEE FINISH PLANS	NO BASE REQUIRED IN THIS SPACE.	-
CB1	COVED BASE	DALTILE	MUSEO	EXHIBITION WHITE MU30	6" X 12"	SEE FINISH PLANS	GROUT COLOR TO BE DETERMINED BY ARCHITECT FROM MANUFACTURER LINE. USE ALL COORDINATING OUTSIDE CORNERS.	JOHN PASTERNAK 208.375.4466
RB1	WALL BASE	ROPPE	CONTOURS MILLWORK BASE. SIMPLICITY BOLD #5 PV4005	LUNAR DUST	6" X MFR STANDARD ROLL	SEE FINISH PLANS	-	-
WALL FINISH								
-	PREMANUFACTURED METAL PANEL	-	-	-	-	SEE FINISH PLANS	PRE-ENGINEERED METAL BUILDING, SEE ARCHITECTURAL.	-
EP1	SAFETY RAILING AND TRIM PAINT	SHERWIN WILLIAMS	EPOXY PAINT	CAUTION YELLOW SW4084	-	SEE FINISH PLANS	SEMI-GLOSS FINISH	ANNA ATCHISON 971.330.0728
P1	WALL PAINT	SHERWIN WILLIAMS	PAINT	CANVAS TAN SW7531	-	SEE FINISH PLANS	EGGSHELL FINISH	ANNA ATCHISON 971.330.0728
P2	WALL PAINT	SHERWIN WILLIAMS	PAINT	KHAKI SHADE SW7533	-	SEE FINISH PLANS	EGGSHELL FINISH	ANNA ATCHISON 971.330.0728
WT1	WALL TILE	FIRECLAY TILE	QUICK SHIP ESSENTIALS	CLOUD COVER SATIN	3" X 9"	SEE FINISH PLANS	GROUT COLOR TO BE DETERMINED BY ARCHITECT FROM MANUFACTURER LINE. STACKED INSTALLATION PATTERN.	LISA DECAIRE 720.640.6086
WALL PROTECTION								
FRP1	FIBERGLASS REINFORCED PANEL	CRANE COMPOSITES	GLASBORD W/ SURFASEAL. EMBOSSED (PEBBLE TEXTURE)	WHITE	4' X 8'	SEE FINISH PLANS	PROVIDE MATCHING TRIM PIECES.	-

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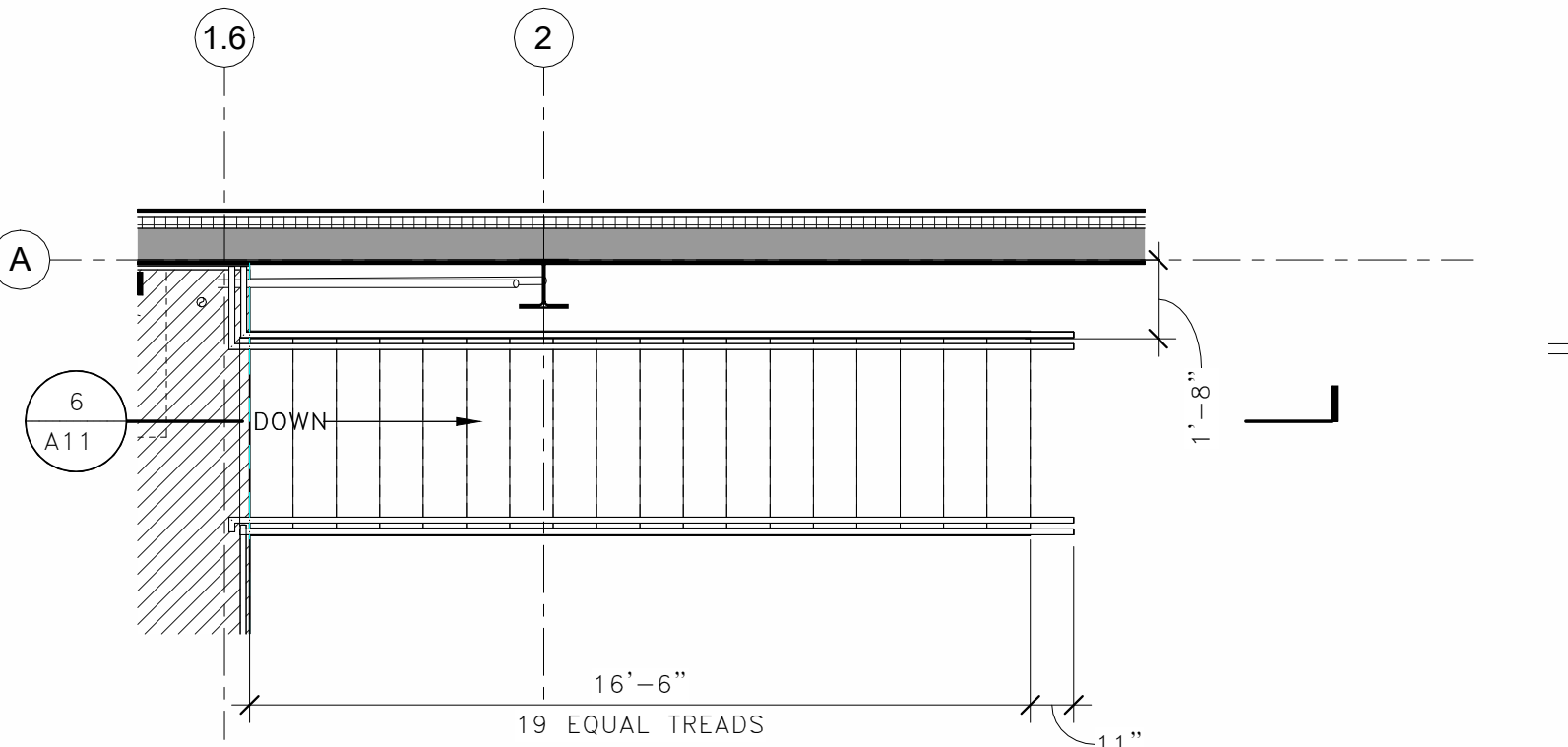
VERIFY SCALE
 THIS BAR IS ONE INCH ON ORIGINAL DRAWING
 0" _____ 1"
 ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
INTERIOR MATERIAL LIST			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL 144A4	DRAWING NO: 3R-MN-1176-144	SHEET 23 OF 64	

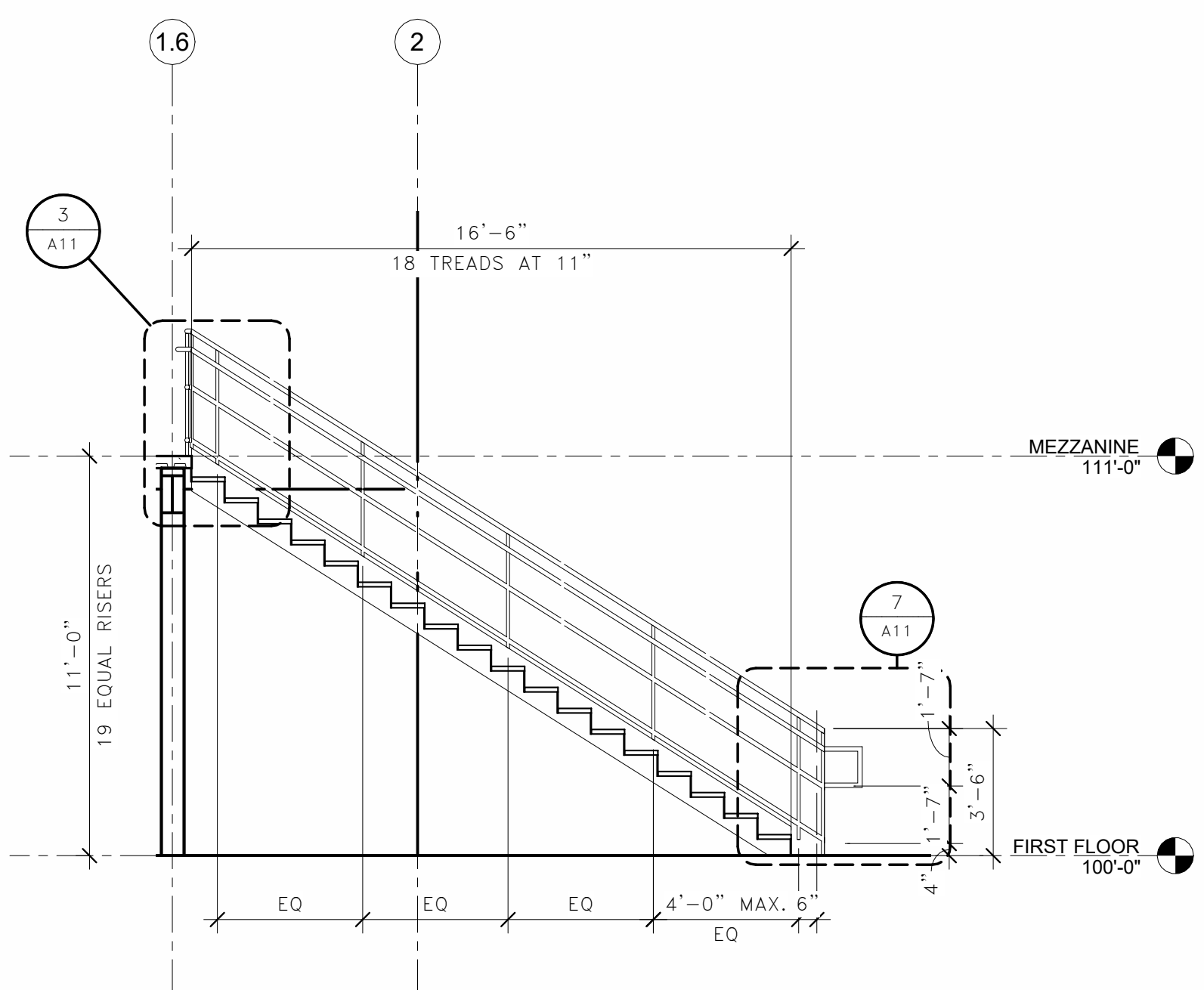
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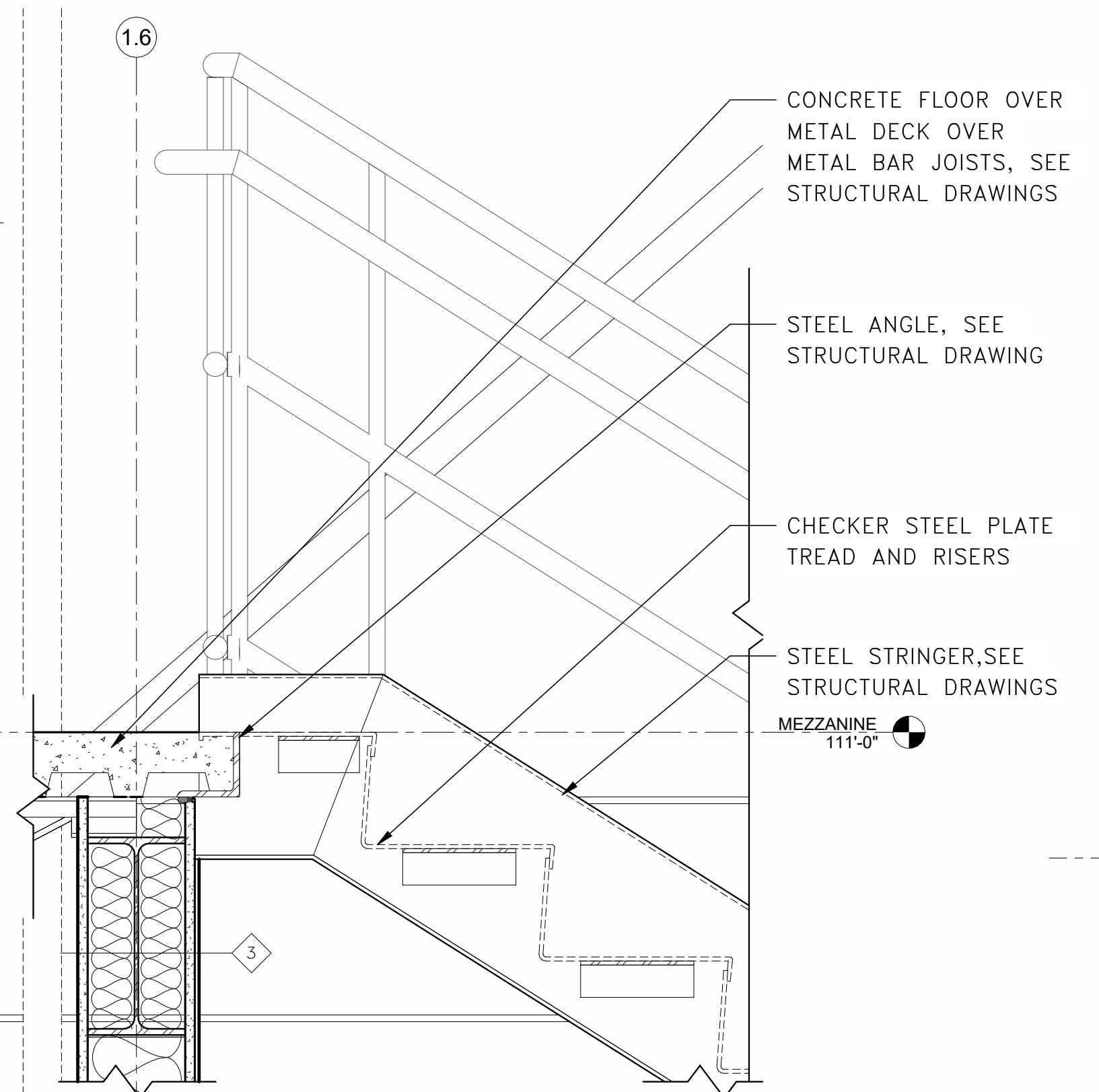
1 ENLARGED STAIR PLAN - MAIN FLOOR
 SCALE IN FEET
 SCALE: 1/4" = 1'-0"



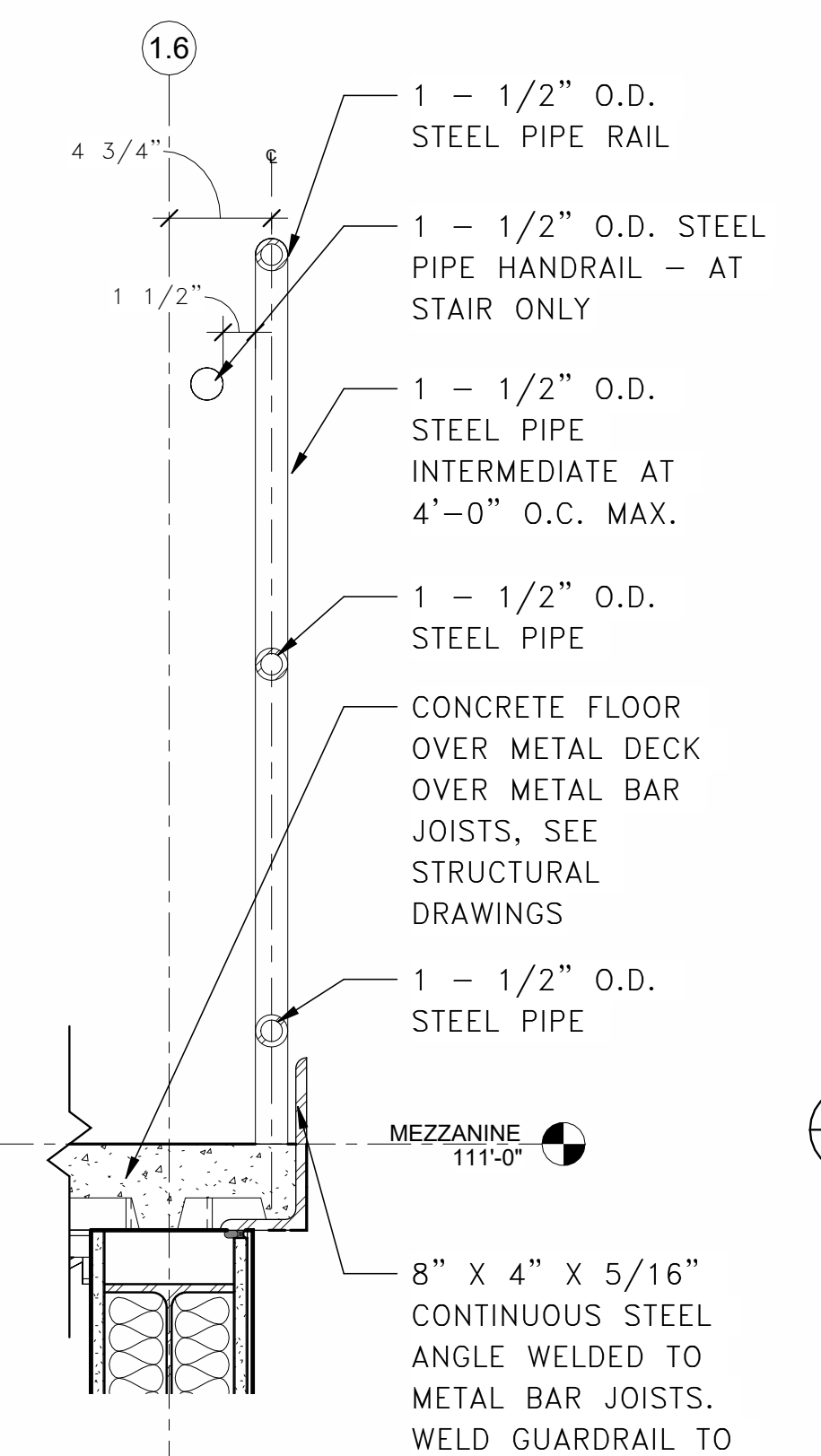
2 ENLARGED STAIR PLAN - MAZZANINE
 SCALE IN FEET
 SCALE: 1/4" = 1'-0"



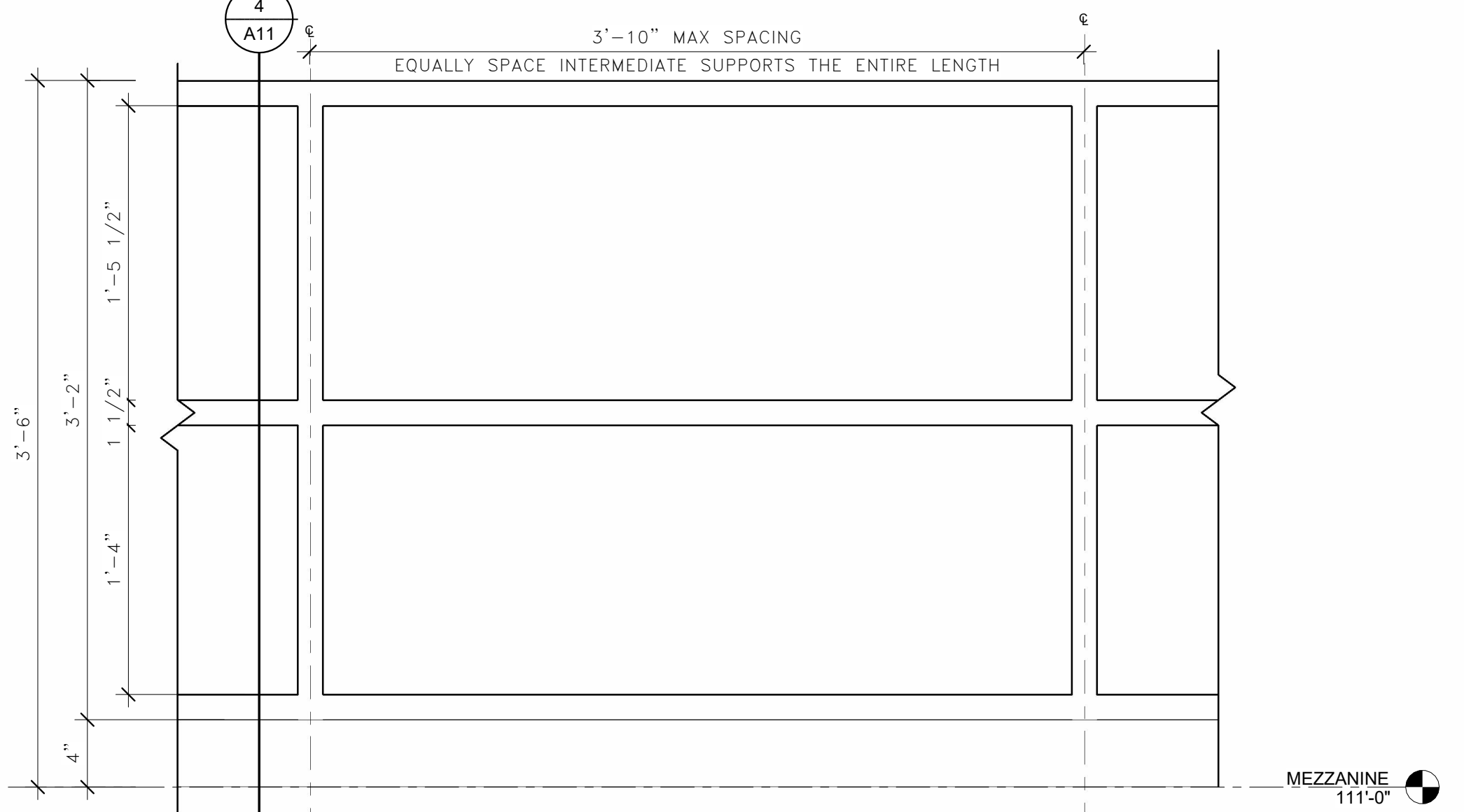
6 STAIR SECTION
 SCALE IN FEET
 SCALE: 1/4" = 1'-0"



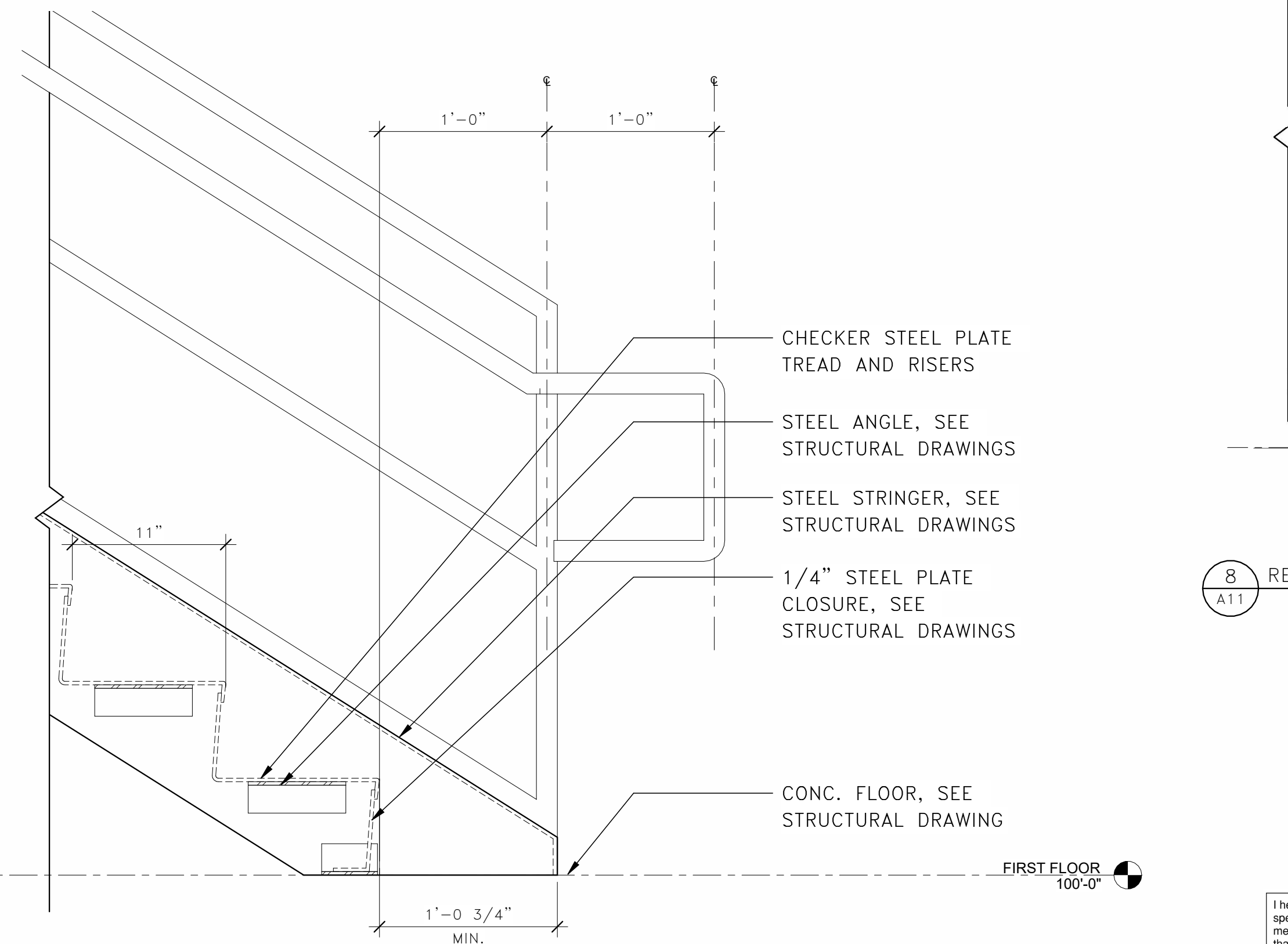
3 STAIR DETAIL 02
 SCALE IN FEET
 SCALE: 1 1/2" = 1'-0"



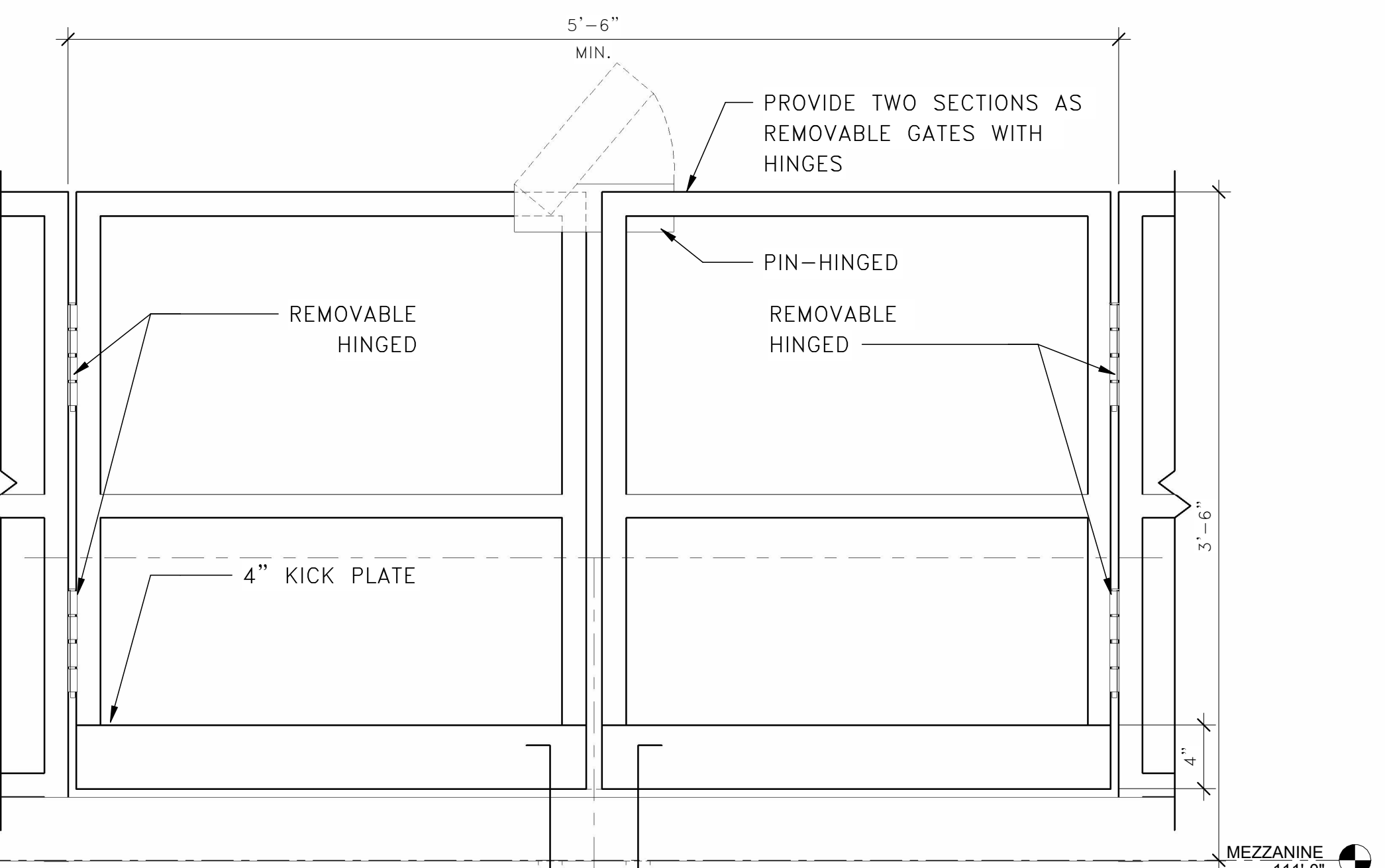
4 GUARDRAIL DETAIL
 SCALE IN FEET
 SCALE: 1 1/2" = 1'-0"



5 GUARDRAIL ELEVATION
 SCALE IN FEET
 SCALE: 1 1/2" = 1'-0"



7 STAIR DETAIL 01
 SCALE IN FEET
 SCALE: 1 1/2" = 1'-0"



8 REMOVABLE GATE ELEVATION
 SCALE IN FEET
 SCALE: 1 1/2" = 1'-0"

VERIFY SCALE
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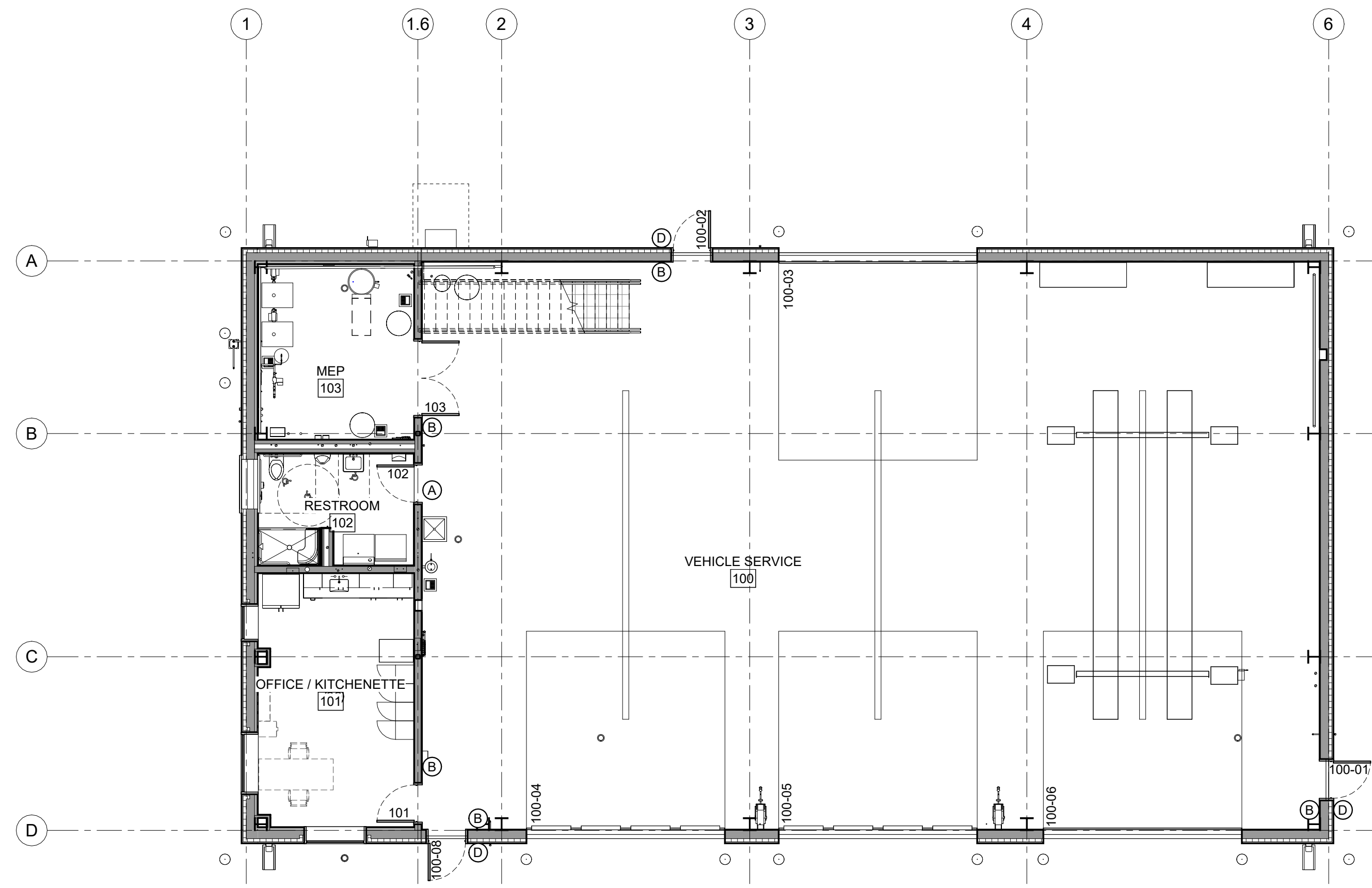
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: **RAM**
 Typed or Printed Name: Rebecca Muchow
 Date: 01/20/24 License Number: 52502

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP STAIRS AND RAILING POLK COUNTY, IOWA ERSKINE, MN			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD: RDL145A2	DRAWING NO: 3R-MN-1176-145	SHEET 24 OF 64	

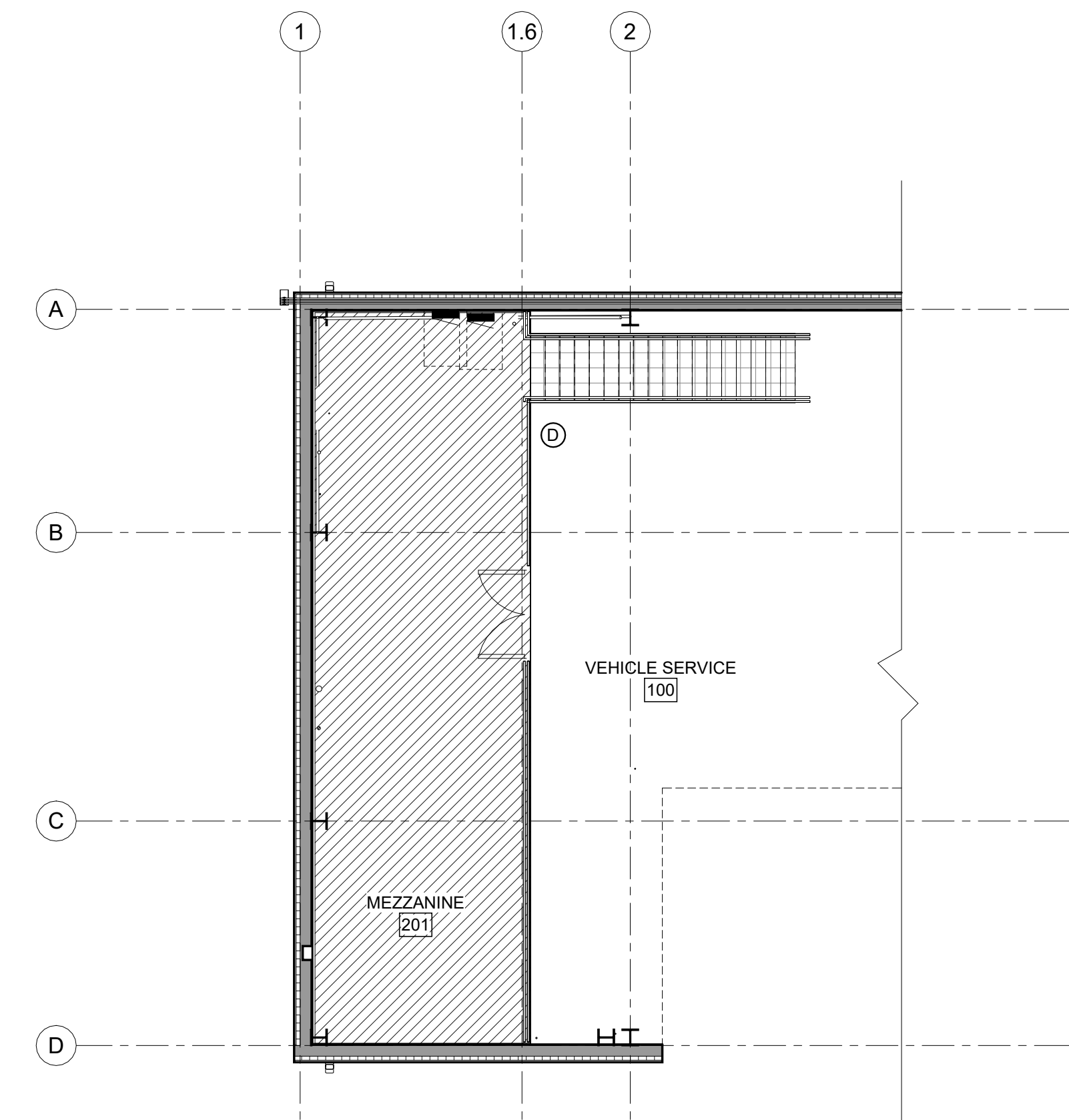
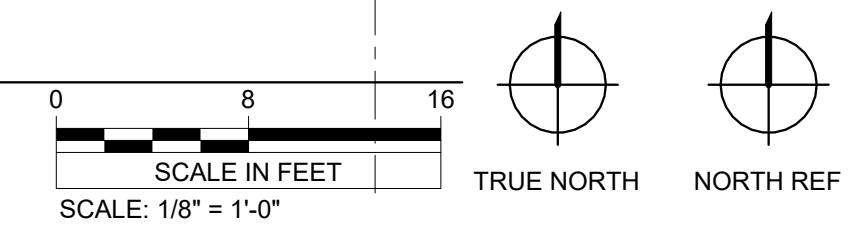
A11

GENERAL NOTES

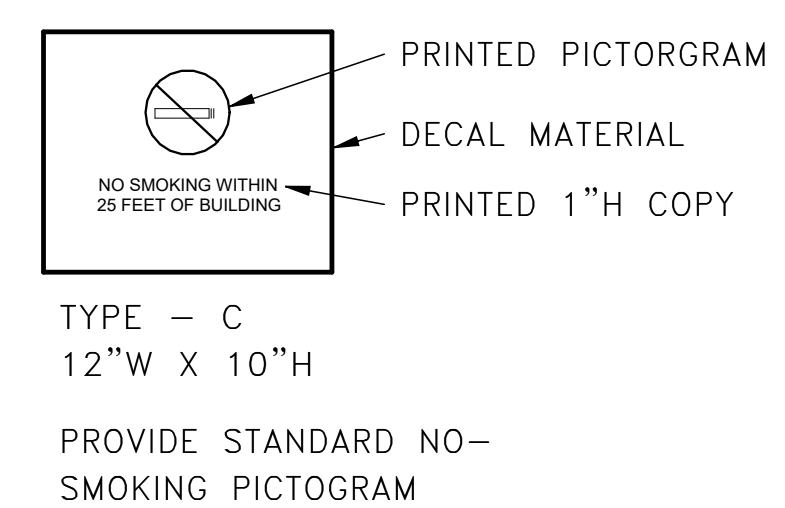
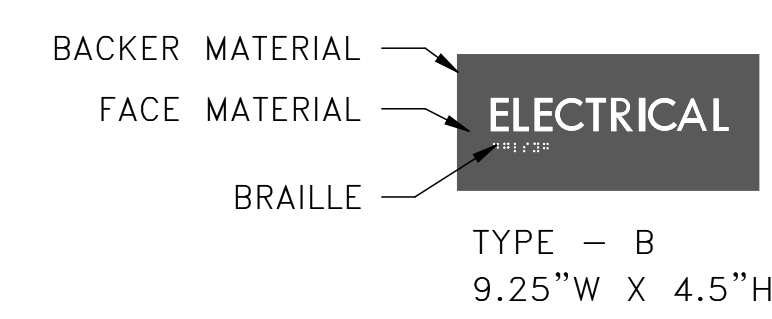
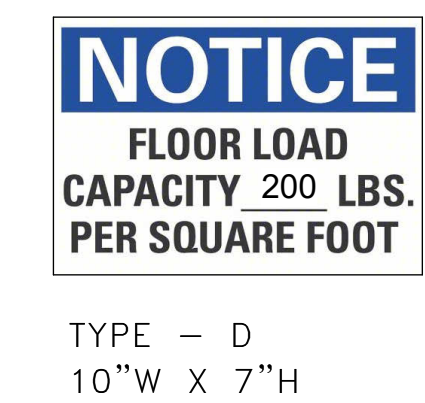
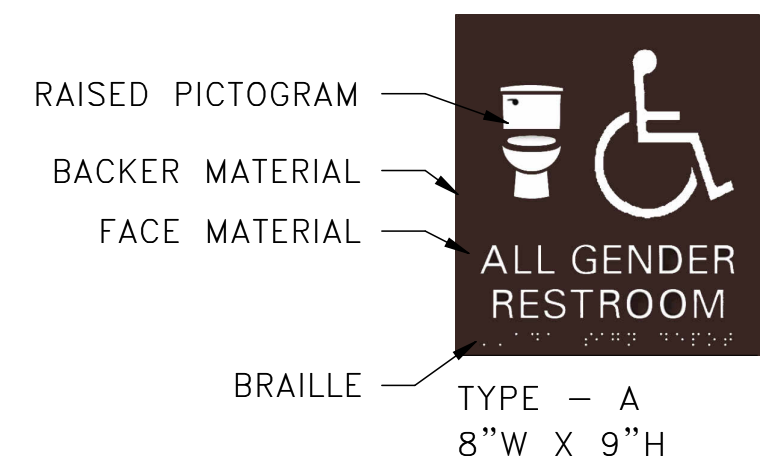
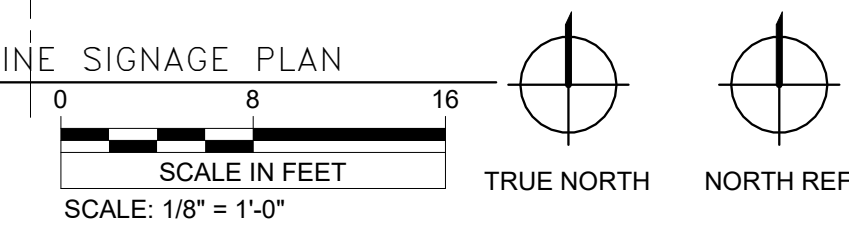
- A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS, USING MANUFACTURER'S ADHESIVES, TOOLS, AND METHODS. REFER TO SPECIFICATIONS FOR ALL MATERIAL PRODUCT INFORMATION.
- B. REFER TO SPECIFICATIONS FOR ALL MATERIAL PRODUCT INFORMATION.
- C. ALL SIGN TYPES FABRICATION AND INSTALLATION TO MEET CURRENT FEDERAL ADA AND ALL STATE AND LOCAL REQUIREMENTS.
- D. ALL SIGNS TO BE INSTALLED TO LATCH SIDE OF DOOR, RIGHT SIDE OF DOUBLE DOORS, OR RIGHT SIDE OF OPENING. IF SIGN DOES NOT FIT GOVERNMENT TO PROVIDE PREFERRED SIGN PLACEMENT.
- E. WHERE ADA SIGNS ARE INSTALLED ON GLASS PROVIDE OPAQUE VINYL BACKER TO CONSEAL ADHESIVE, MATCHING SIGN SHAPE AND COLOR.



1 MAINTENANCE BUILDING FIRST FLOOR SIGNAGE PLAN
A12



2 MAINTENANCE BUILDING MEZZANINE SIGNAGE PLAN
A12



* SIZE AND SHAPE PER MANUFACTURER'S STANDARD DESIGN, TYP

3 STANDARD SIGN TYPES
A12

SIGN SCHEDULE		
DOOR NUMBER	SIGN TYPE	RAISED COPY
100-01	B,C	EXIT
100-02	B,C	EXIT
100-03		
100-04		
100-05		
100-06		
100-08	B,C	EXIT
101	B	OFFICE
102	A	
103	B	MEP

VERIFY SCALE
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0" _____ 1"
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Signature: *R.M.*
Typed or Printed Name: Rebecca Muchow
Date: 01/20/24 License Number: 52502

REV.	DATE	DESCRIPTION	BY

**RYDELL NATIONAL WILDLIFE REFUGE
MAINTENANCE SHOP**

BUILDING SIGNAGE PLAN

POLK COUNTY ERSKINE, MN

PROJECT NUMBER: 22-RF-027

DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL146A0	DRAWING NO: 3R-MN-1176-146	SHEET 25 OF 64	

A12

DOOR, FRAME, AND HARDWARE SCHEDULE															
DOOR NUMBER	ROOM NUMBER	ROOM NAME	DOOR				FRAME			FIRE RATING	NOTES	HARDWARE GROUP	DOOR NUMBER		
			W	H	T	TYPE	MTL	FINISH	GLAZE					MTL	TYPE
100-01	100	VEHICLE SERVICE	3' - 0"	7' - 0"	1 3/4"	A	IHM	PT	-	IHM	1	PT	-	1	100-01
100-02	100	VEHICLE SERVICE	3' - 0"	7' - 0"	1 3/4"	A	IHM	PT	-	IHM	1	PT	-	1	100-02
100-03	100	VEHICLE SERVICE	16' - 0"	16' - 0"	1 1/2"	OH	ST	FF	A	ST	-	FF	-	1	100-03
100-04	100	VEHICLE SERVICE	16' - 0"	16' - 0"	1 1/2"	OH	ST	FF	A	ST	-	FF	-	1	100-04
100-05	100	VEHICLE SERVICE	16' - 0"	16' - 0"	1 1/2"	OH	ST	FF	A	ST	-	FF	-	1	100-05
100-06	100	VEHICLE SERVICE	16' - 0"	16' - 0"	1 1/2"	OH	ST	FF	A	ST	-	FF	-	1	100-06
100-08	100	VEHICLE SERVICE	3' - 0"	7' - 0"	1 3/4"	B	IHM	PT	A	IHM	1	PT	-	1	100-08
101	101	OFFICE / KITCHENETTE	3' - 0"	7' - 0"	1 3/4"	B	HM	PT	B	HM	1	PT	-	2	101
102	102	RESTROOM	3' - 0"	6' - 8"	1 3/4"	A	HM	PT	-	HM	1	PT	-	3	102
103	103	MEP	6' - 0"	6' - 8"	1 3/4"	AA	HM	PT	-	HM	1	PT	-	4	103

DOOR HARDWARE GROUPS

SEE SPECIFICATION 087111 DOOR HARDWARE - SEE 084113 FOR STOREFRONT DOOR HARDWARE

SET 1

- HINGES
- SURFACE CLOSER
- LOCKSET (SELF-CONTAINED ELECTRONIC ENTRANCE LEVER)
- KICKPLATE
- THRESHOLD
- WEATHERSTRIP
- DOOR SWEEP

SET 2

- HINGES
- WALL STOP
- LOCKSET (OFFICE LEVER)
- SILENCER

SET 3

- HINGES
- SURFACE CLOSER
- WALL STOP
- LOCKSET (BATHROOM LEVER)
- SILENCER

SET 4

- HINGES
- WALL STOP
- LOCKSET (STORAGE LEVER)
- DOOR SWEEP
- SILENCER

GENERAL NOTES

- FOR FRAME TYPE LOCATIONS, SEE FLOOR PLAN SHEETS.
- FIELD VERIFY ALL ROUGH OPENING DIMENSIONS PRIOR TO FABRICATION/ INSTALLATION.
- PAIN ALL HOLLOW METAL FRAMES PER SPECIFICATION DIVISION 9.

GLAZING TYPES

- INSULATED FULLY TEMPERED GLAZING UNIT
- FULLY TEMPERED GLASS

ABBREVIATIONS

AL	ALUMINUM
FF	FACTORY FINISH
HM	HOLLOW METAL
IHM	INSULATED HOLLOW METAL
PT	PAINT
ST	STEEL

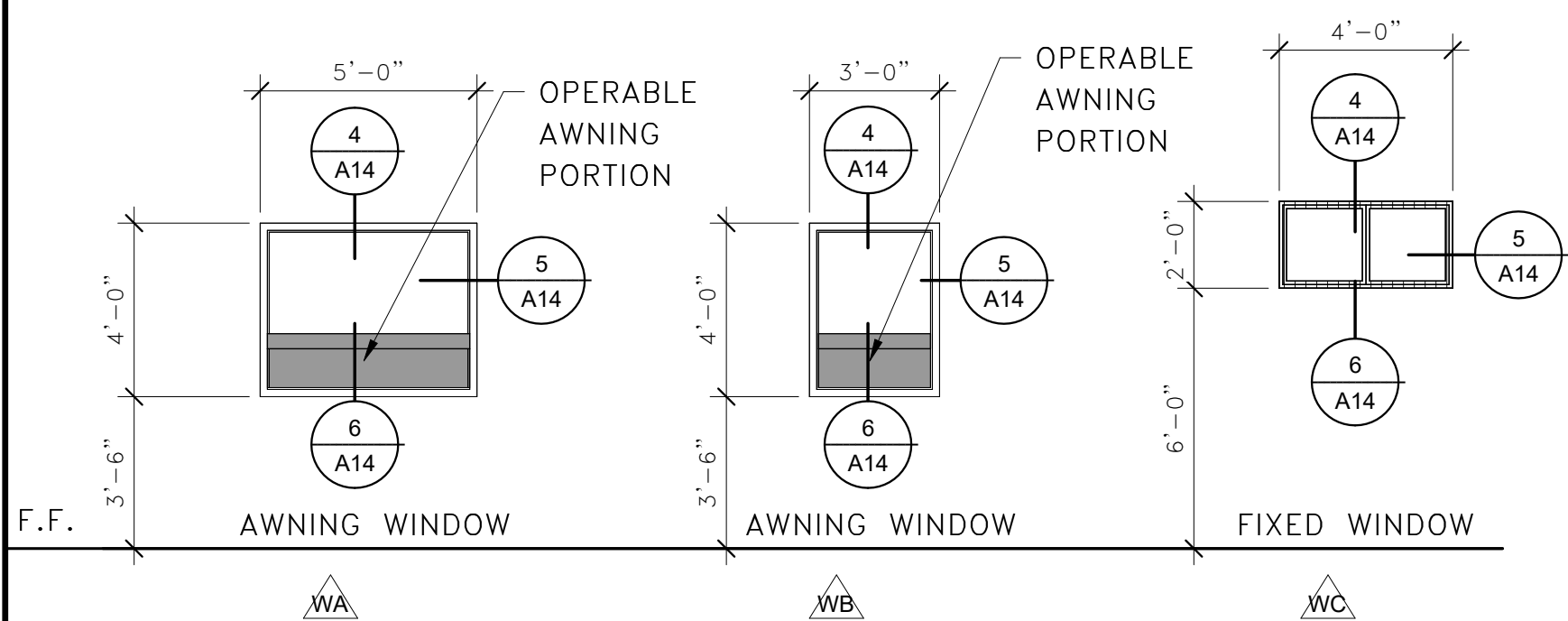
SCHEDULE NOTES

- OVERHEAD DOOR. SEE SPEC FOR MORE INFORMATION.

WOOD FRAMED WINDOWS W/ ALUMINUM CLAD EXTERIOR

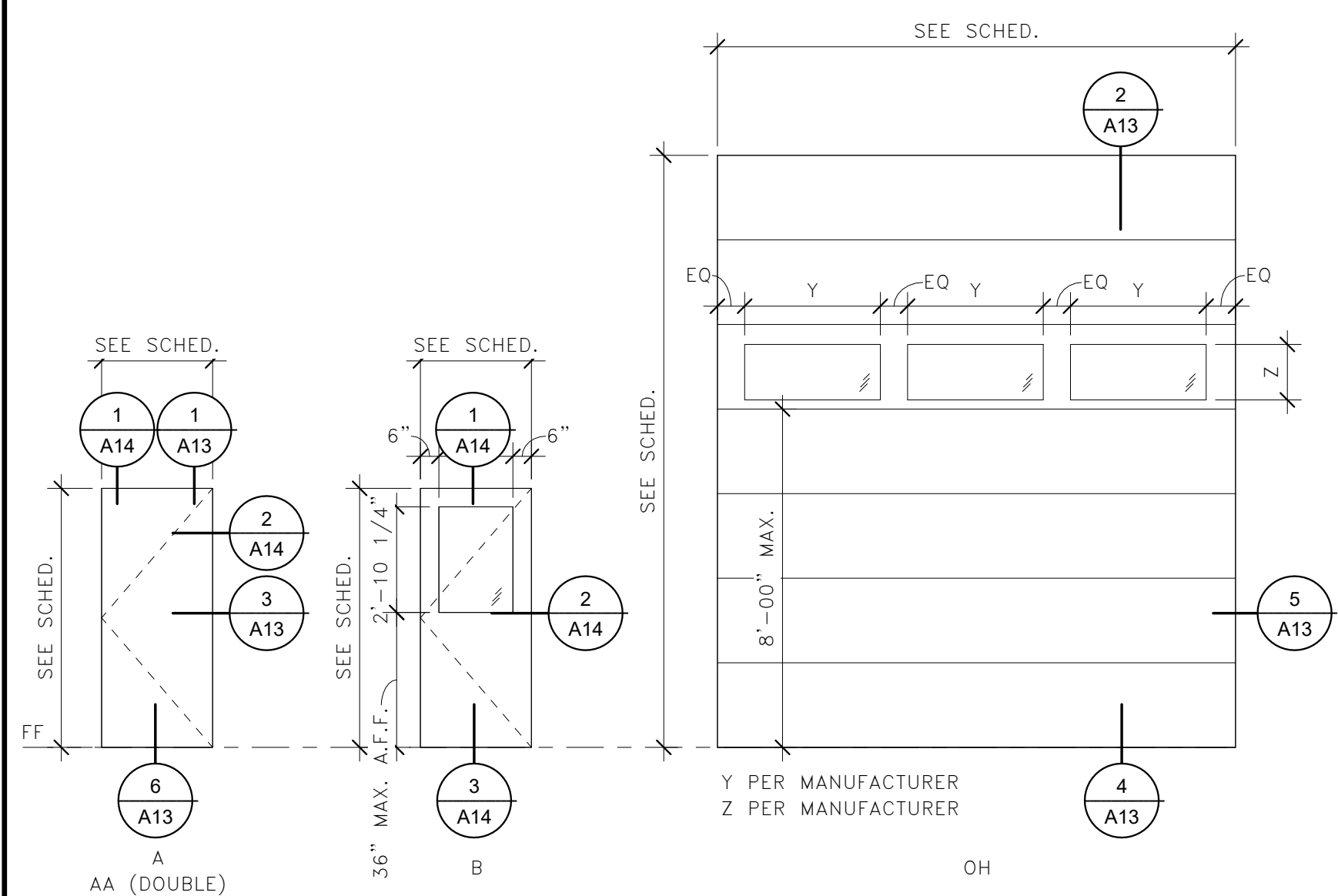
SEE SPECIFICATION 085200 - GLAZING FOR THESE WINDOWS IS TO BE PER SPECIFICATION 085200

*ALL OPERABLE WINDOW PORTIONS TO RECEIVE INSECT SCREENS



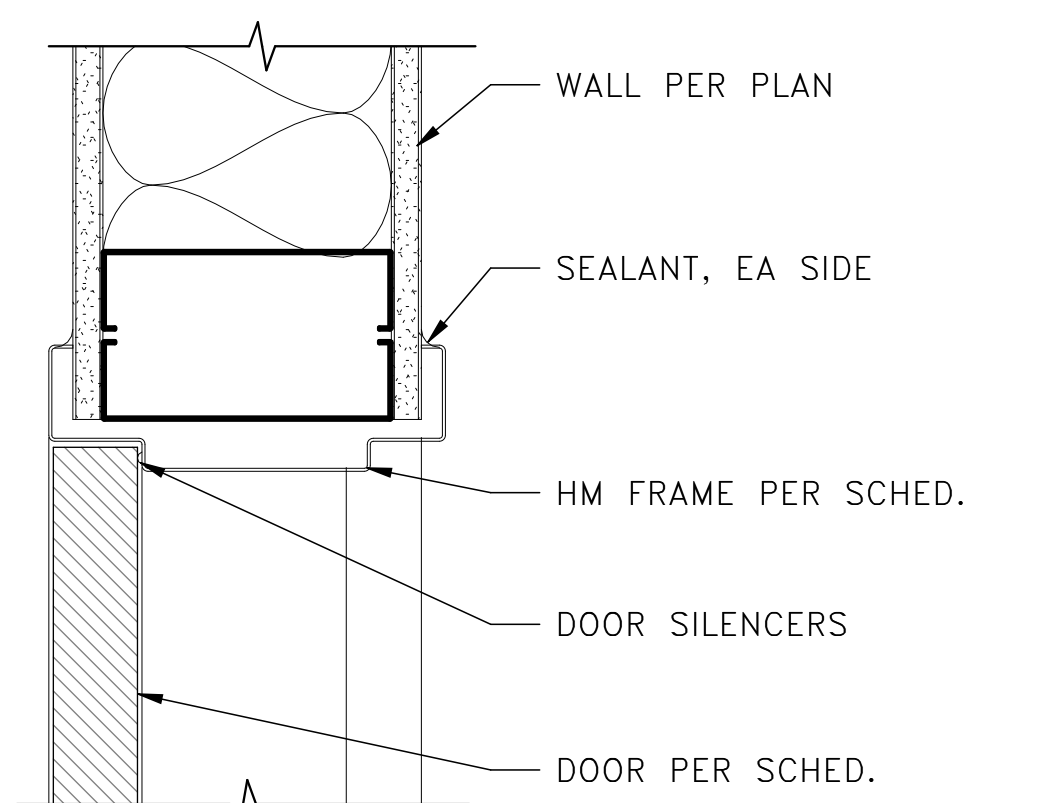
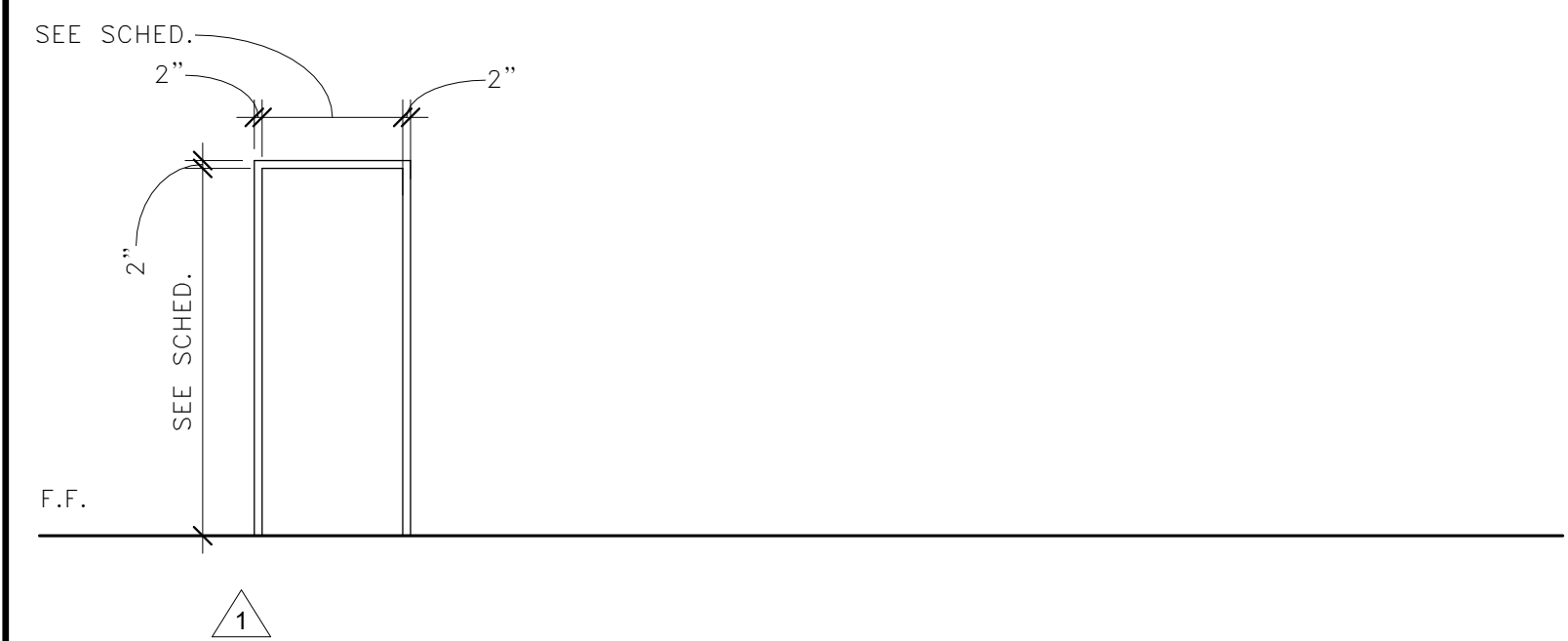
DOOR TYPES

SEE SCHEDULE FOR MATERIAL TYPE



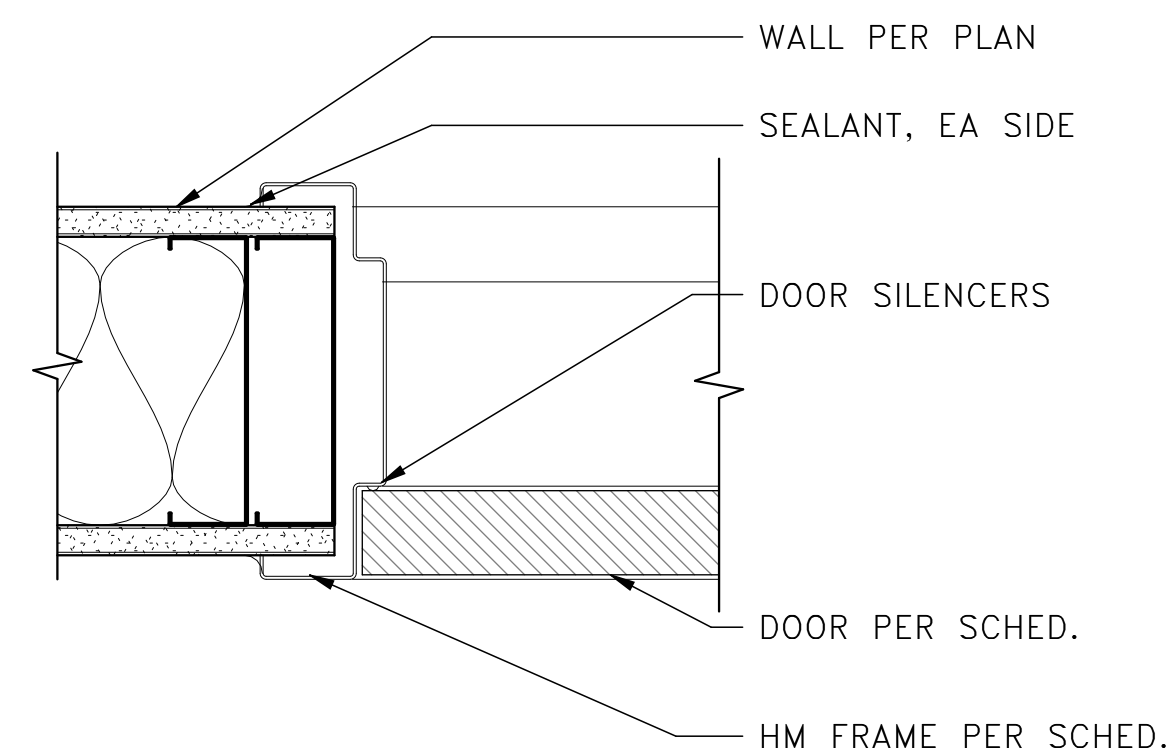
HOLLOW METAL FRAME TYPES

SEE SPECIFICATION 081113



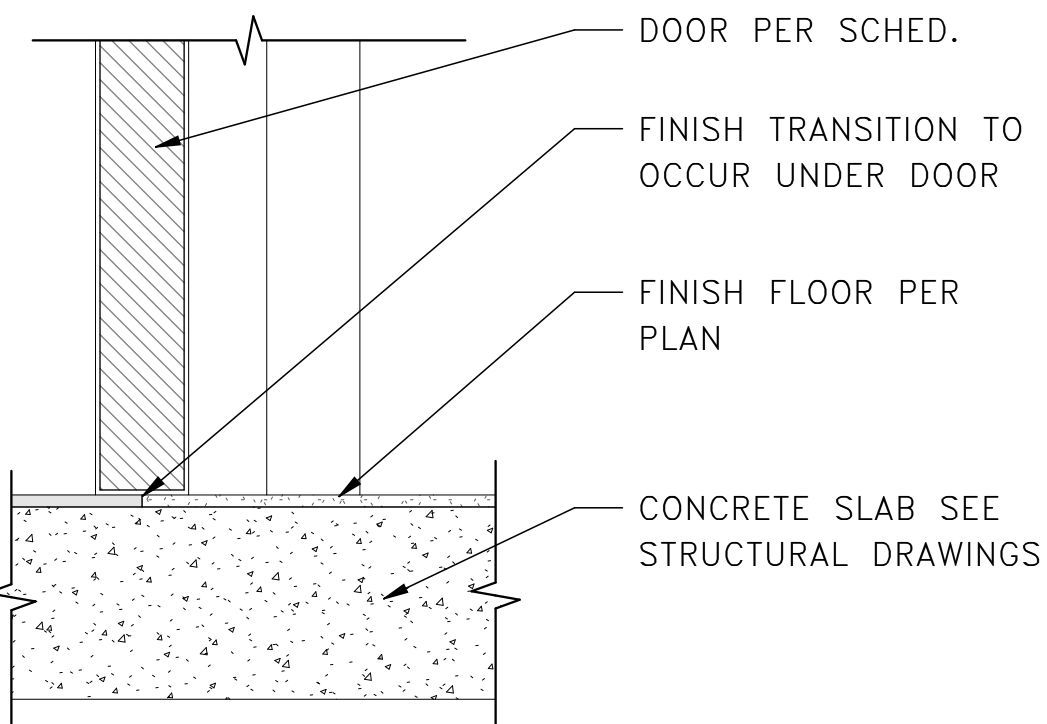
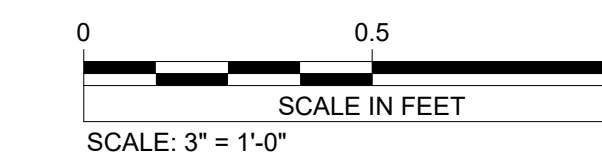
1 TYPICAL INTERIOR HM DOOR HEAD

A13



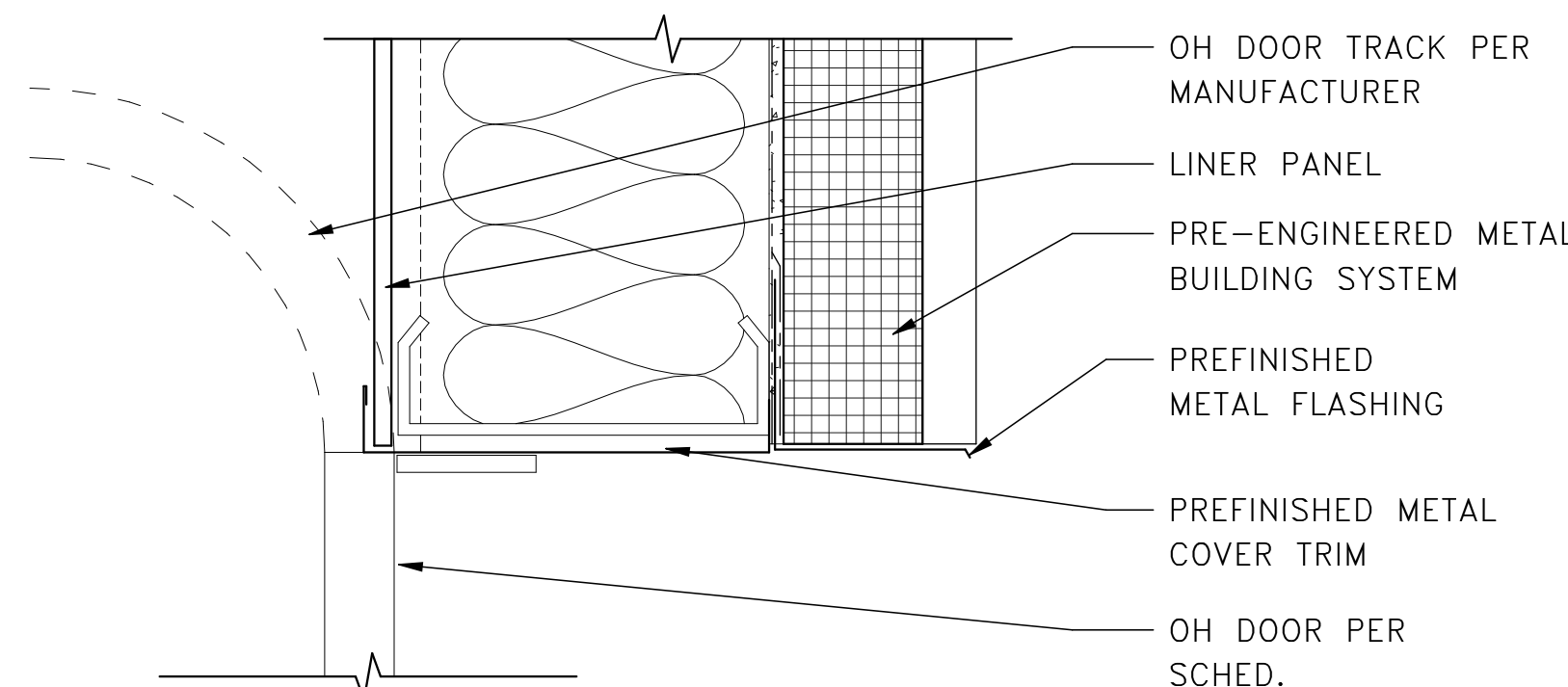
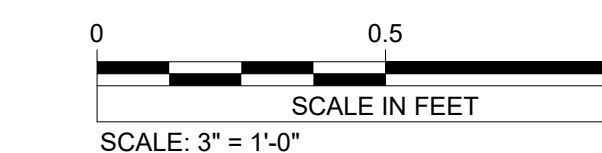
3 TYPICAL INTERIOR HM DOOR JAMB

A13



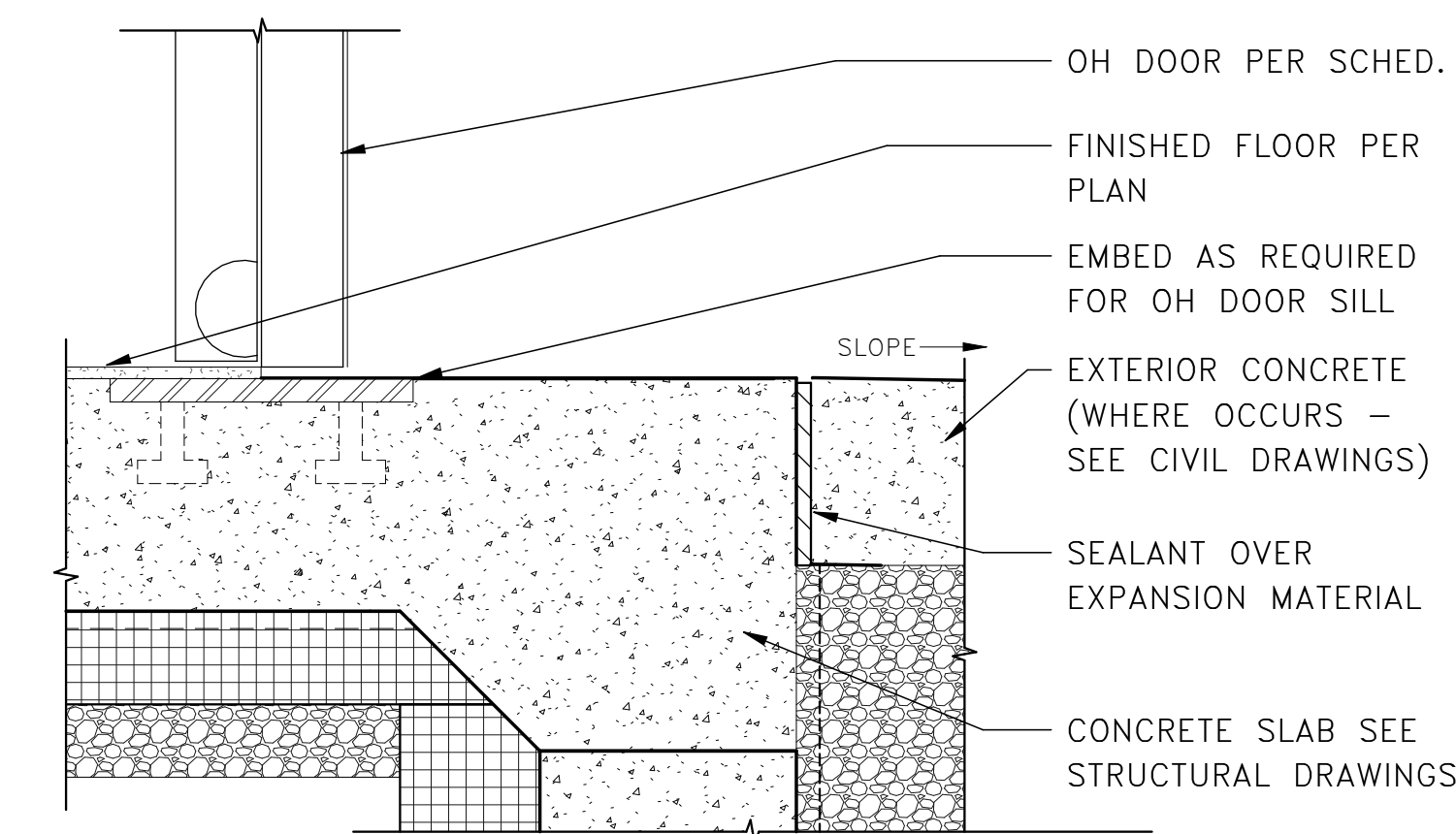
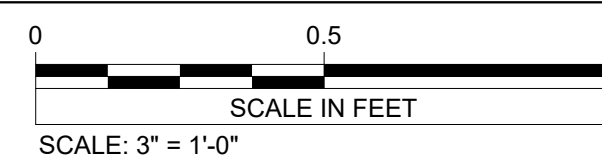
6 TYPICAL INTERIOR HM DOOR SILL

A13



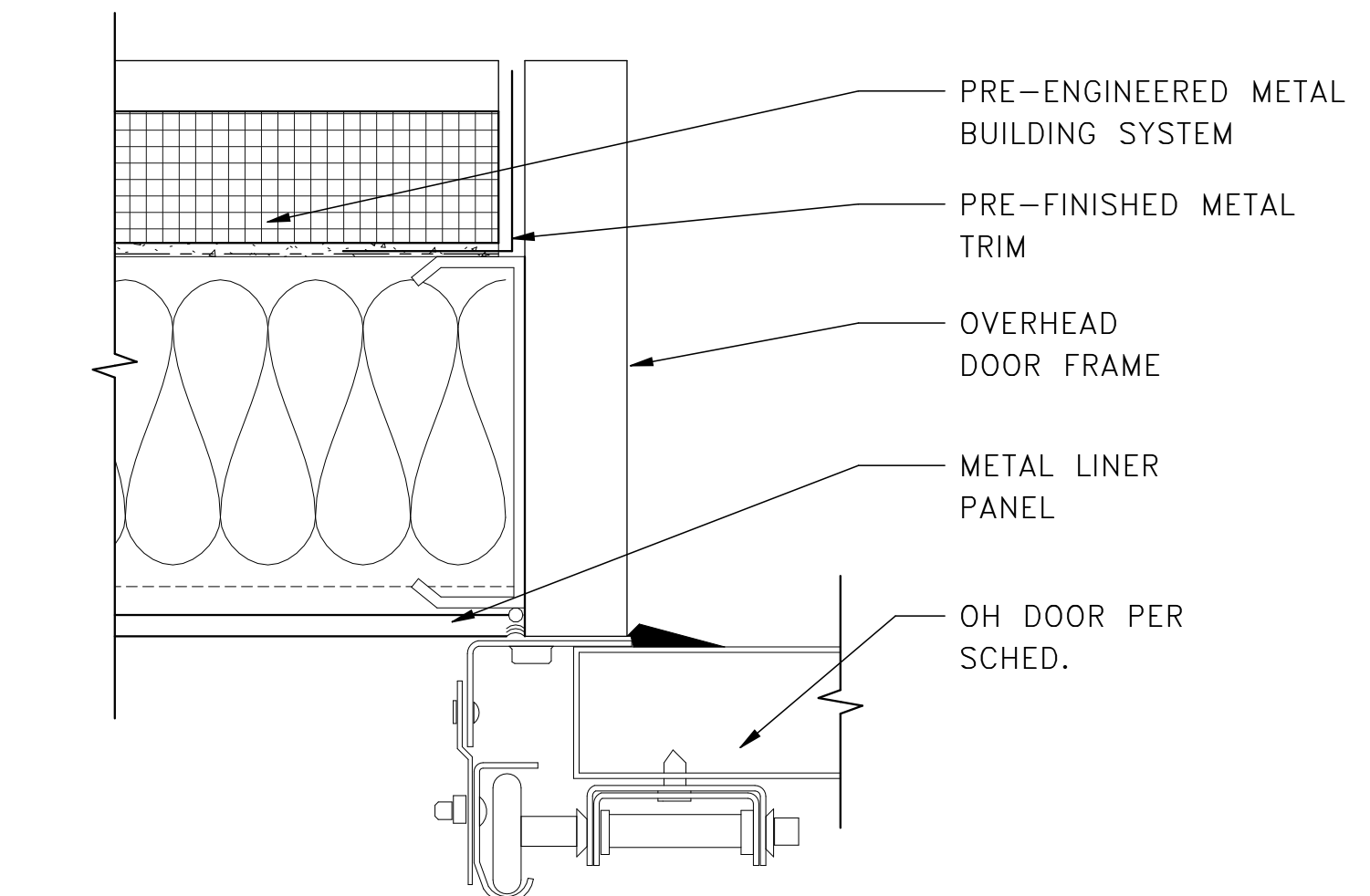
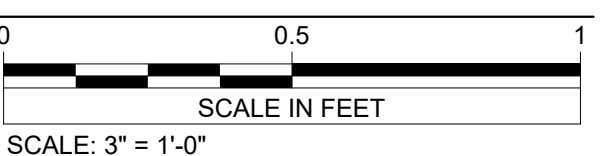
2 TYPICAL EXTERIOR OVERHEAD DOOR HEAD

A13



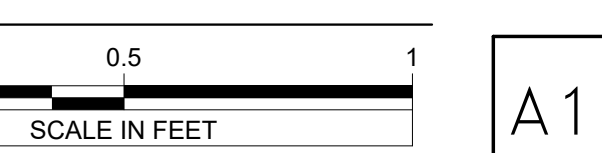
4 TYPICAL EXTERIOR OVERHEAD DOOR SILL

A13



5 TYPICAL EXTERIOR OVERHEAD DOOR JAMB

A13

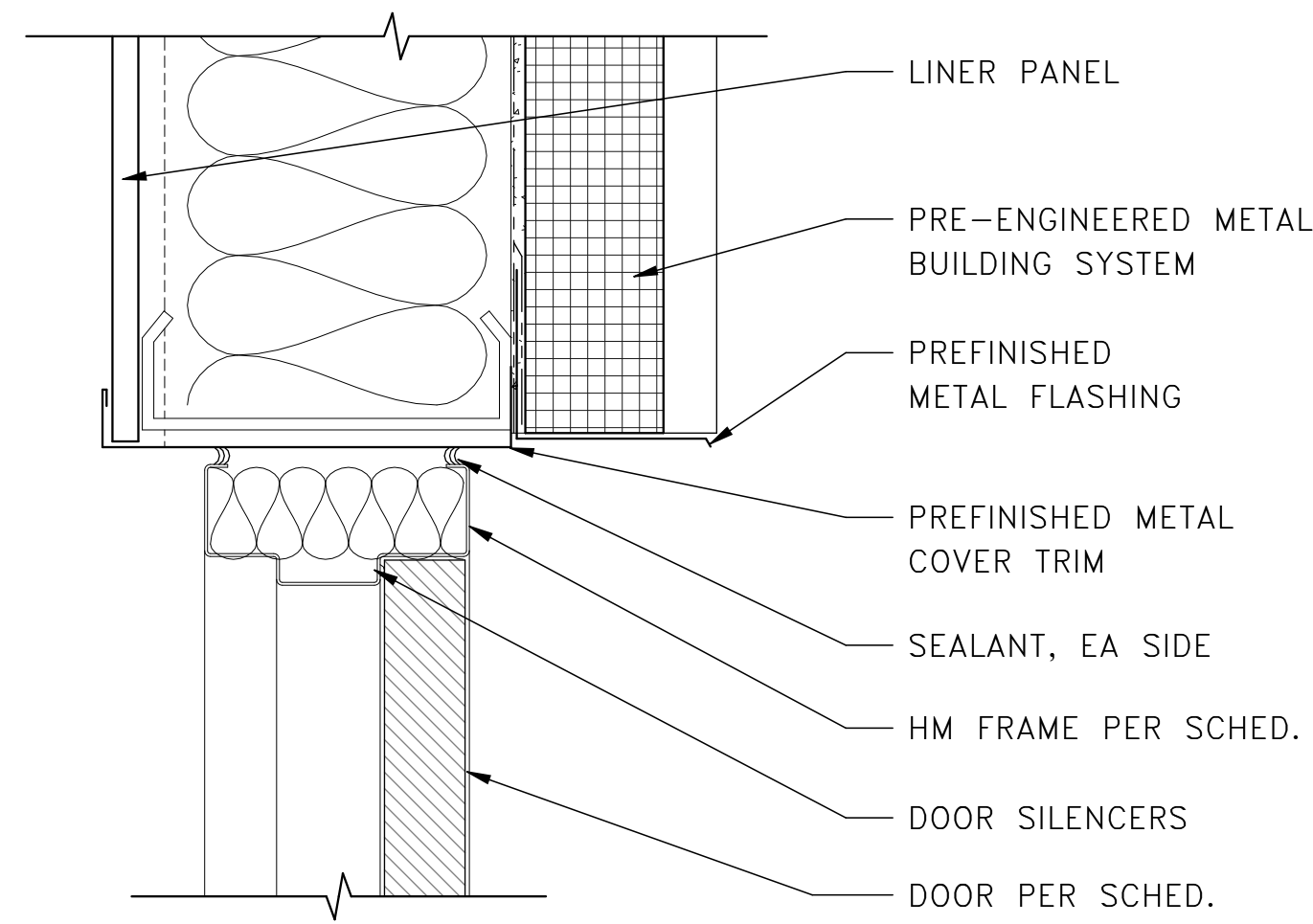


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Typed or Printed Name: Rebecca Muchow
Date: 01/12/24 License Number: 52502

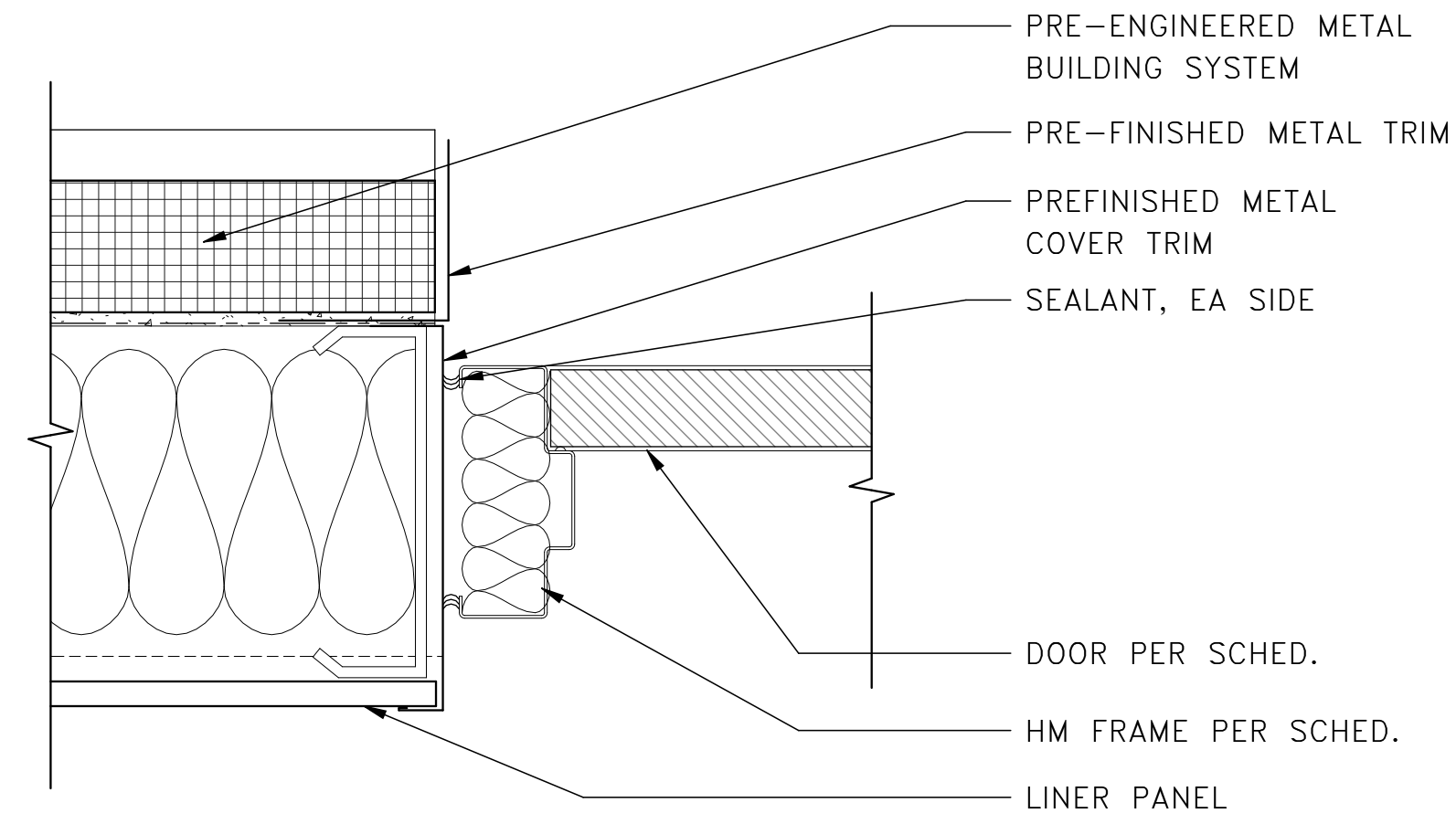
VERIFY SCALE
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0" _____ 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
DOOR AND WINDOW SCHEDULES AND DETAILS			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL147A3	DRAWING NO: 3R-MN-1176-447	SHEET 26 OF 64	

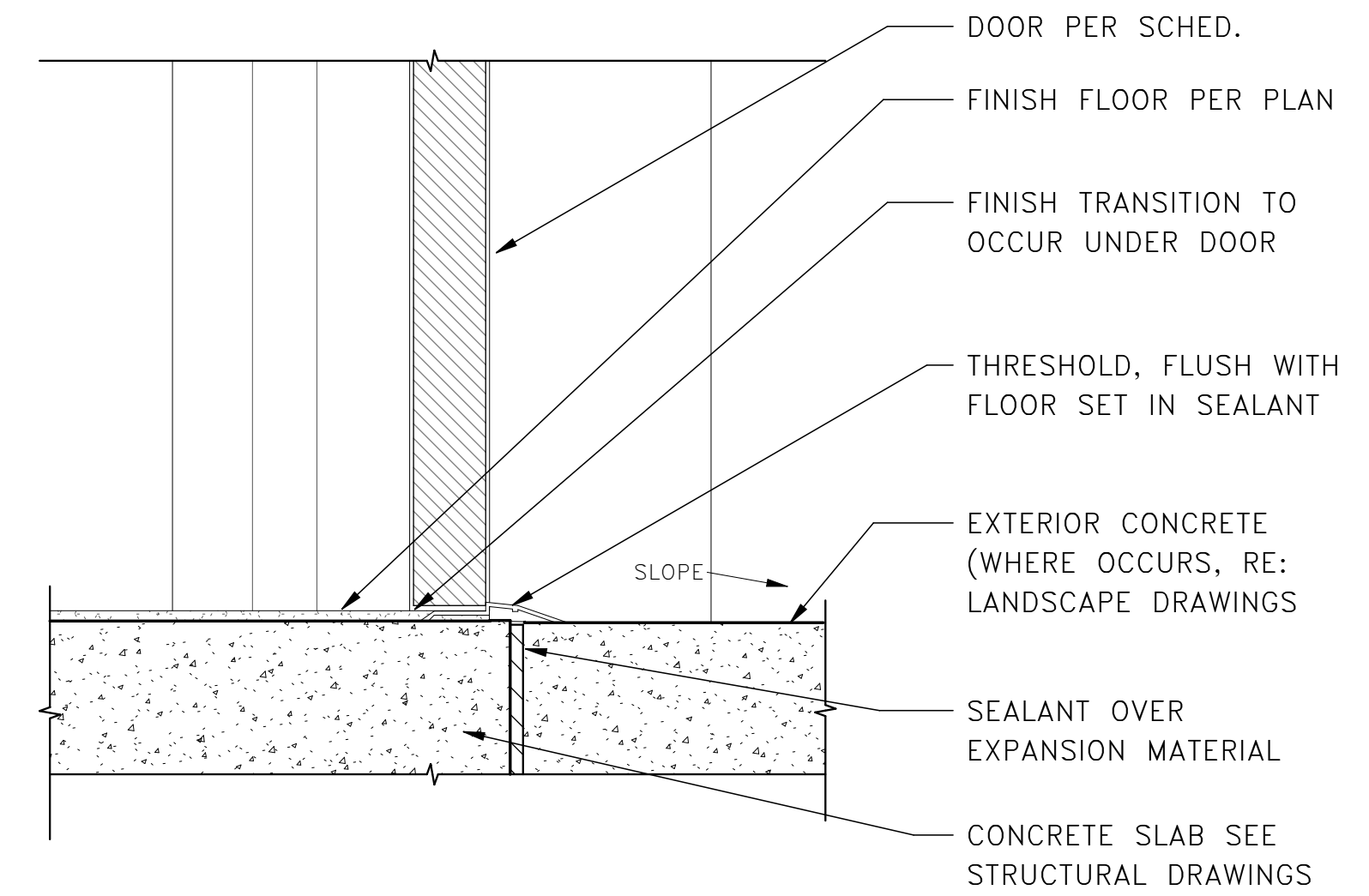
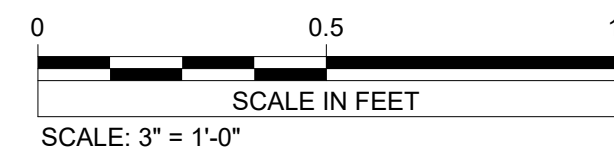
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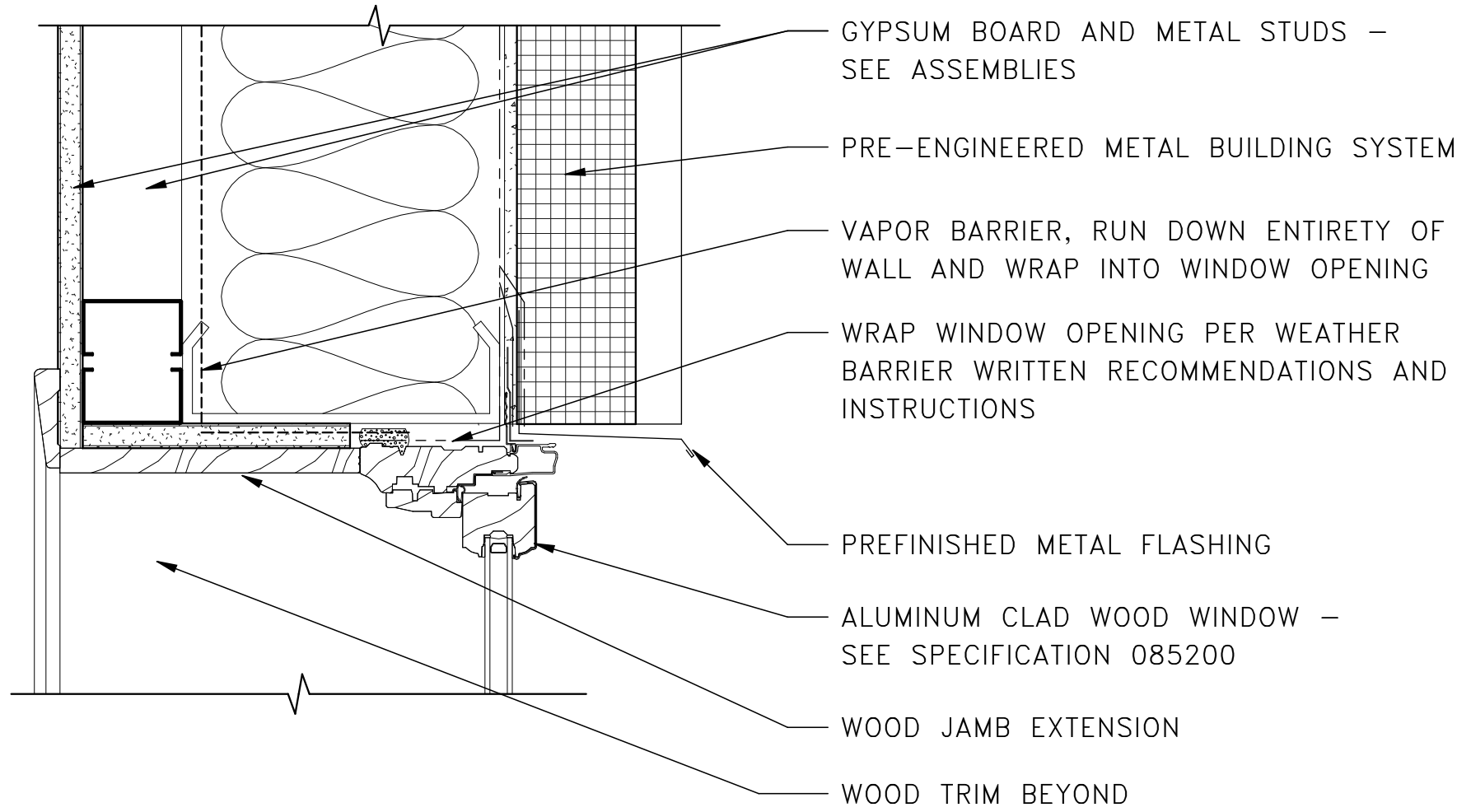
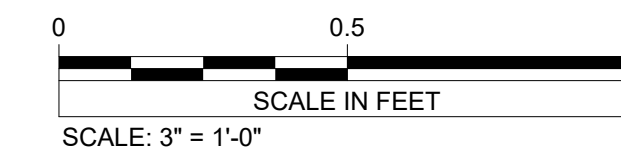
1 TYPICAL EXTERIOR HM DOOR HEAD
A14



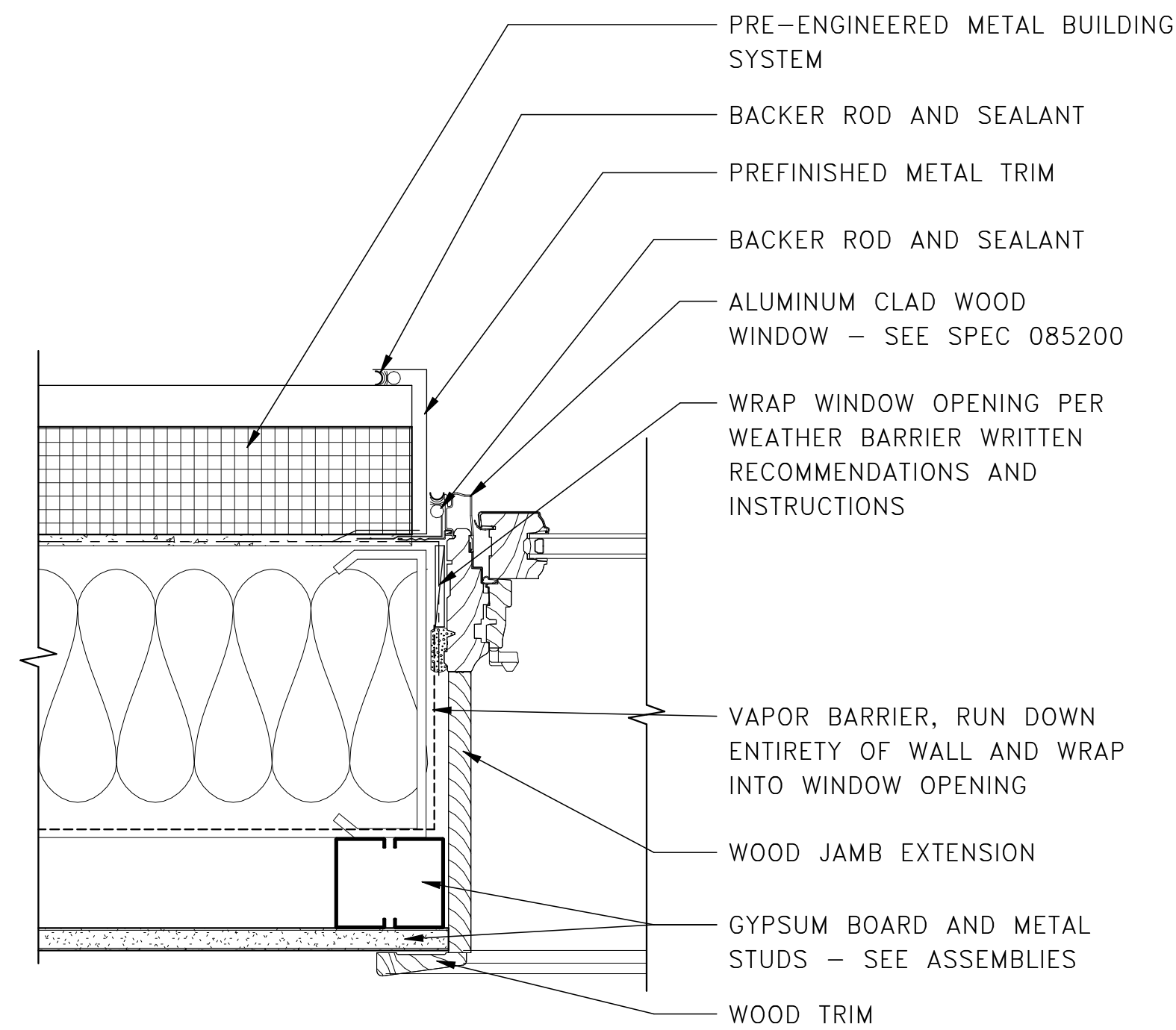
2 TYPICAL EXTERIOR HM DOOR JAMB
A14



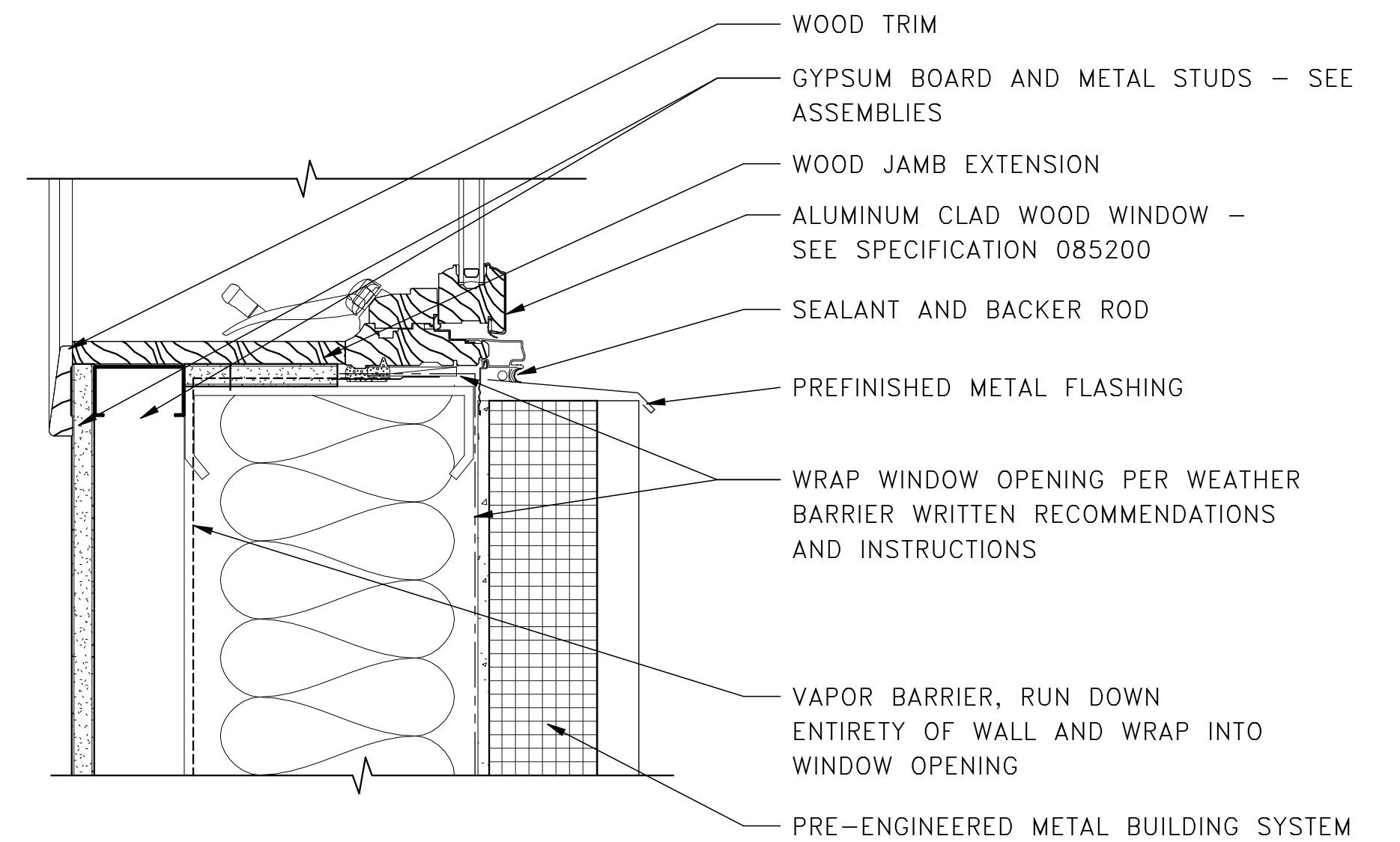
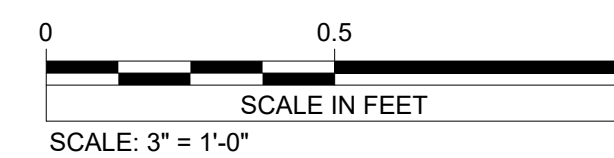
3 TYPICAL EXTERIOR HM DOOR SILL
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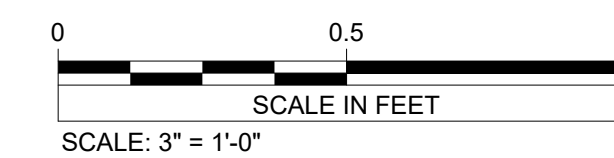
4 TYPICAL EXTERIOR WINDOW HEAD
A14



5 TYPICAL EXTERIOR WINDOW JAMB
A14



6 TYPICAL EXTERIOR WINDOW SILL
A14



VERIFY SCALE
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Typed or Printed Name: Rebecca Muchow
Date: 01/22/24 License Number: 52502

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP POLK COUNTY, IOWA ERSKINE, MN			
DOOR AND WINDOW DETAILS			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL148A3	DRAWING NO: 3R-MN-1176-148	SHEET 27 OF 64	

A14

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: **R.M.**
 Typed or Printed Name: Rebecca Muchow
 Date: 01/12/24 License Number: 52502

GENERAL NOTES

- A. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO THE FACE OF STUD.
- B. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOORS UNLESS OTHERWISE NOTED.
- C. COORDINATE ALL FLOOR PENETRATIONS WITH RESPECTIVE TRADES.
- D. COORDINATE ALL PLUMBING FIXTURES WITH PLUMBING PLANS AND SPECIFICATIONS.
- E. ALL DOORS SET WITH HINGE SIDE 5" FROM BACK OF DOOR FRAME TO FACE OF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
- F. COORDINATE WITH FLOOR PLAN FOR LOCATION OF WALL TYPES AND ASSEMBLIES.
- G. FOR WALL AND FLOOR FINISHES SEE FINISH PLAN SHEETS.
- H. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED EQUIPMENT, MILLWORK, AND HARDWARE, SEE SPECIFICATIONS.
- I. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND ADDITIONAL FINISHES.

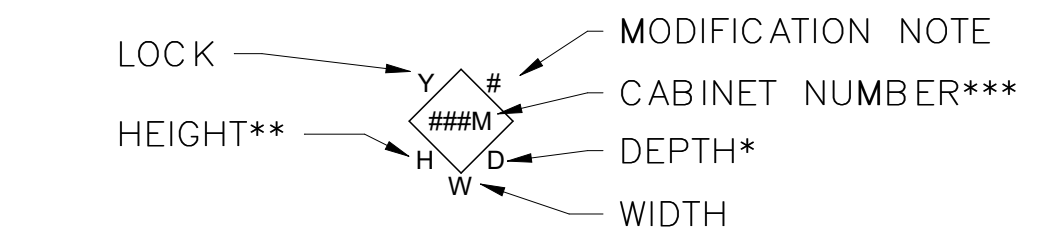
ACCESSORY NOTES

- CR CURTAIN ROD, SEE SPEC 102800
- FS FOLDING SHOWER SEAT, SEE SPEC 102800.
- GB GRAB BAR, SEE SPEC 102800. INSTALL ALL GRAB BARS PER ANSI/ABA HANDICAP ACCESSIBILITY STANDARDS.
- MH MOP HOLDER, SEE SPEC 102800.
- MU MIRROR UNIT, SEE SPEC 102800.
- PT PAPER TOWEL DISPENSER, SEE SPEC 102800.
- RH ROBE HOOK, SEE SPEC 102800.
- SC SHOWER CURTAIN, SEE SPEC 102800
- SND SANITARY NAPKIN DISPOSAL UNIT, SEE SPEC 102800.
- TP TOILET PAPER DISPENSER, SEE SPEC 102800.
- UR WALL MOUNTED URINAL, SEE PLUMBING.
- VGB VERTICAL GRAB BAR, SEE SPEC 102800. INSTALL ALL GRAB BARS PER ANSI/ABA HANDICAP ACCESSIBILITY STANDARDS.
- WT WALL MOUNTED TOILET, SEE PLUMBING.
- WS WALL MOUNTED SINK, SEE PLUMBING.
- HD HAND DRYER, SEE SPEC 102800

SHEET NOTES

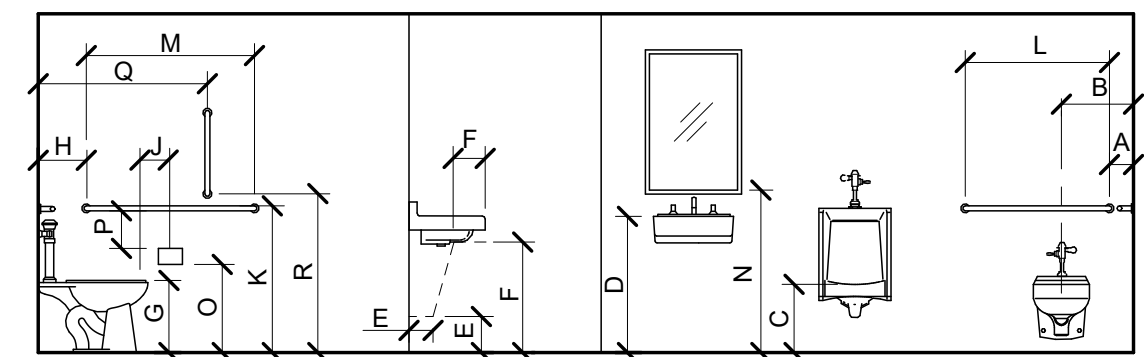
- 1 ICE MAKER, N.I.C.
- 2 OFFICE FURNITURE N.I.C.
- 3 REFRIGERATOR.
- 4 FREE-STANDING WASTE RECEPTACLE.

CASEWORK LEGEND

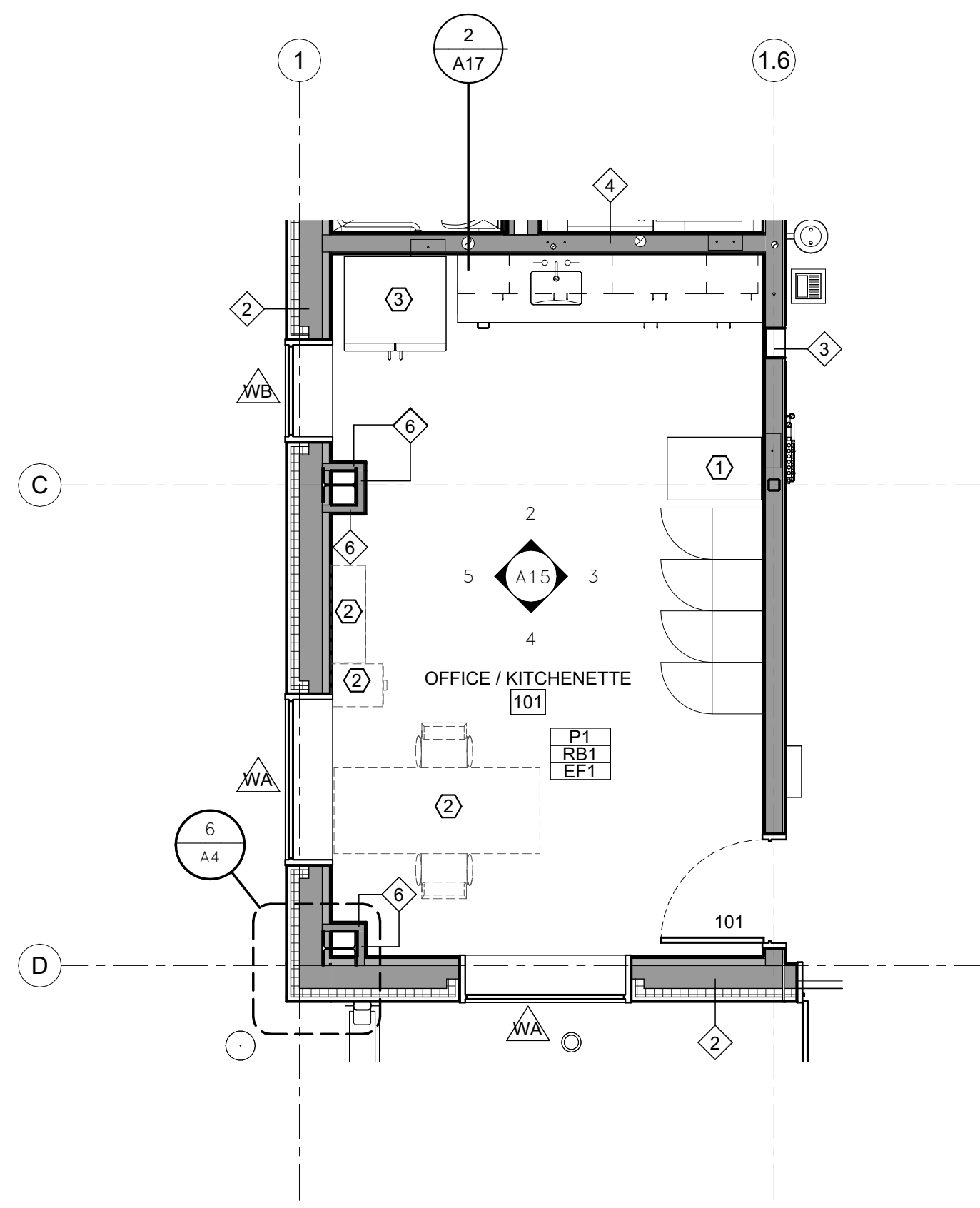


- * INDICATES DEPTH OF BASE CABINET - COUNTERTOPS OVERHANG 1-1/2"
- ** INDICATES APPROXIMATE HEIGHT OF CABINET, SEE ELEVATIONS FOR OVERALL HEIGHT OF CABINET AND COUNTERTOP.
- *** "M" INDICATES A DESIGN MODIFICATION TO THE STANDARDS CASEWORK DESIGNATED

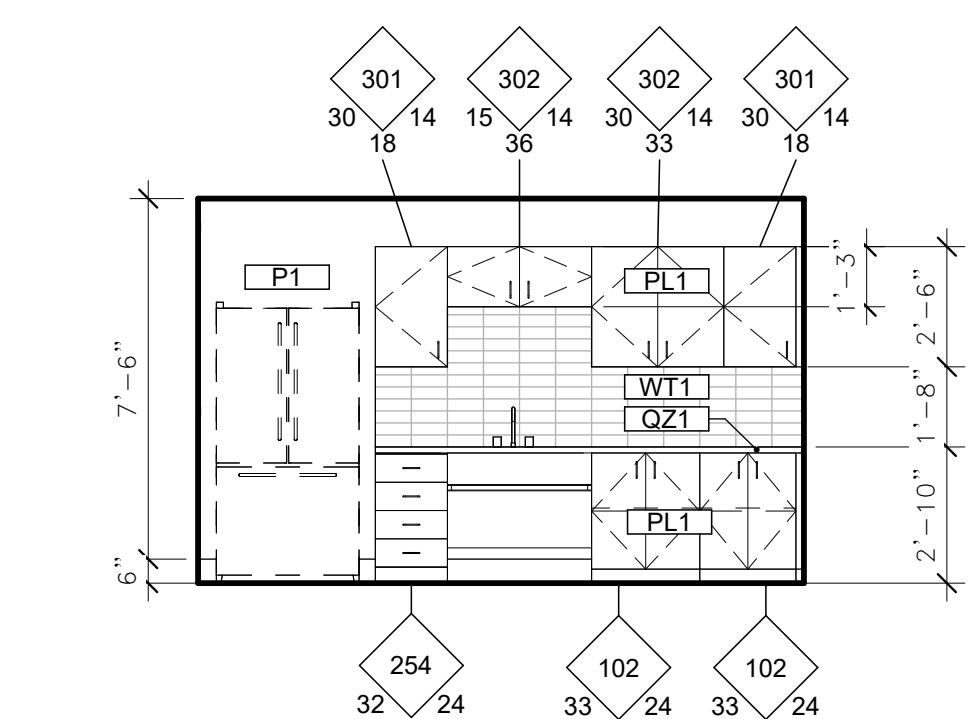
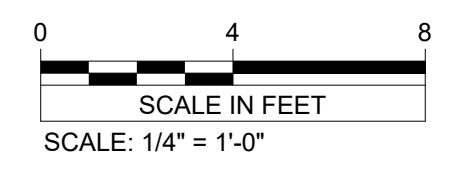
VERIFY SCALE
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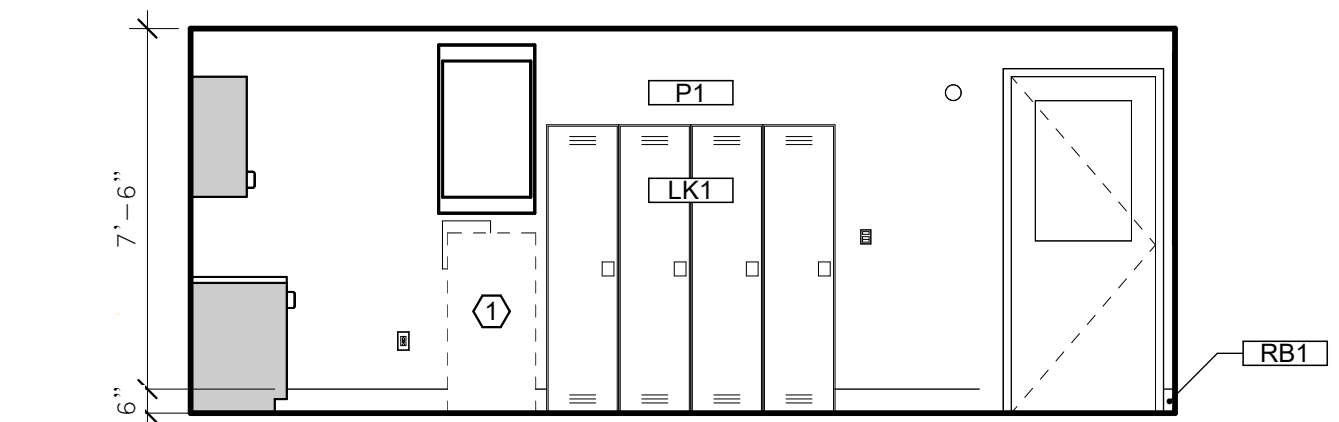
FIXTURE	DIM#	MOUNTING HEIGHT
GRAB BAR	A	6" TO CENTER FROM ADJACENT WALL
TOILET (ADA)	B	18" TO CENTER FROM ADJACENT WALL
URINAL	C	24" TO RIM ABOVE FINISH FLOOR
URINAL (ADA)	C	17" TO RIM ABOVE FINISH FLOOR
SINK (ADA)	D	34" MAX TO SINK RIM ABOVE FINISH FLOOR
SINK (ADA)	E	9" HIGH X 6" DEEP TOE CLEARANCE
SINK (ADA)	F	27" MIN X 8" DEEP KNEE CLEARANCE
TOILET	G	14" TO TOP OF SEAT
TOILET (ADA)	G	17" - 19" TOP OF SEAT
GRAB BAR (ADA)	H	12" TO CENTER FROM ADJACENT WALL
TOILET PAPER HOLDER	J	7" - 9" TO CENTERLINE FROM TOILET
GRAB BAR	K	33" - 36" TO TOP A.F.F.
GRAB BAR	L	36" OUTSIDE TO OUTSIDE
GRAB BAR	M	42" OUTSIDE TO OUTSIDE
MIRROR	N	40" MAX TO BOT OF MIRROR SURFACE
TOILET PAPER HOLDER	O	19" MIN. TO CENTER ABOVE FINISH FLOOR
TOILET PAPER HOLDER	P	1 1/2" MIN. FROM BOTTOM OF GRAB BAR
18" VERTICAL GRAB BAR	Q	39" - 41" FROM WALL
18" VERTICAL GRAB BAR	R	39" - 41" FROM FLOOR



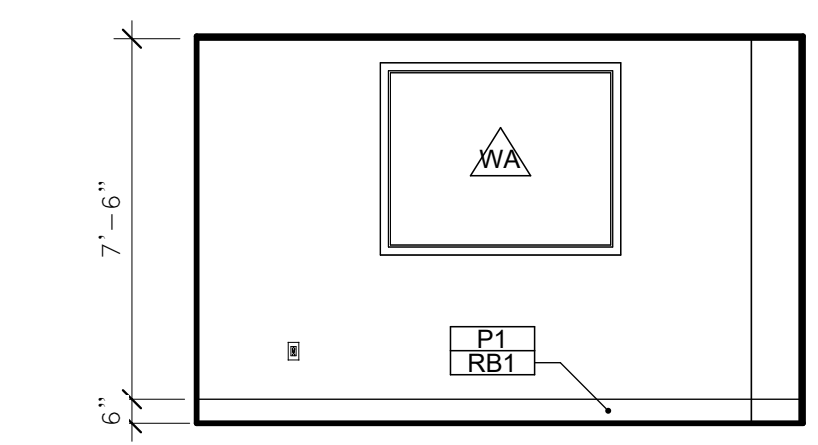
1 MAINTENANCE BUILDING - ENLARGED PLAN OFFICE AND KITCHEN
 A15



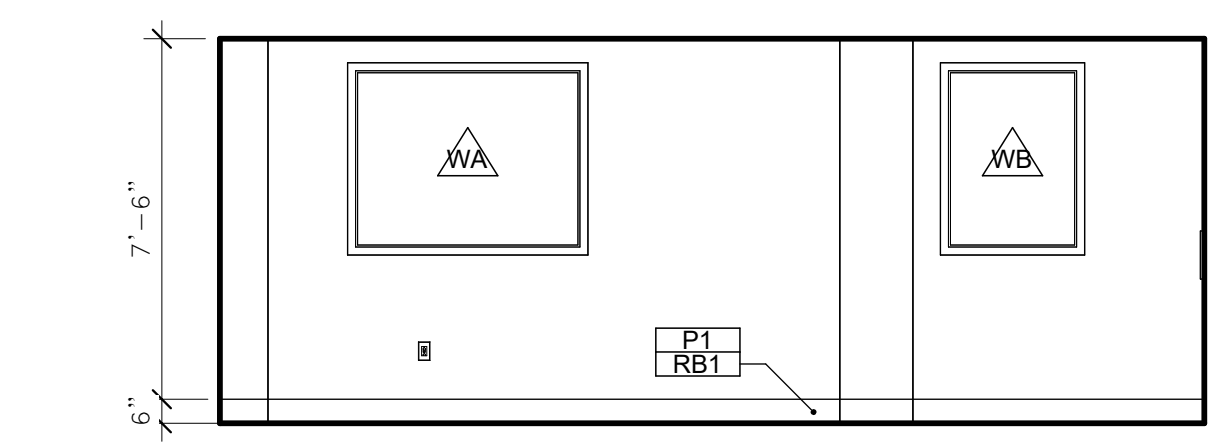
2 OFFICE / KITCHENETTE 101 - NORTH
 A15



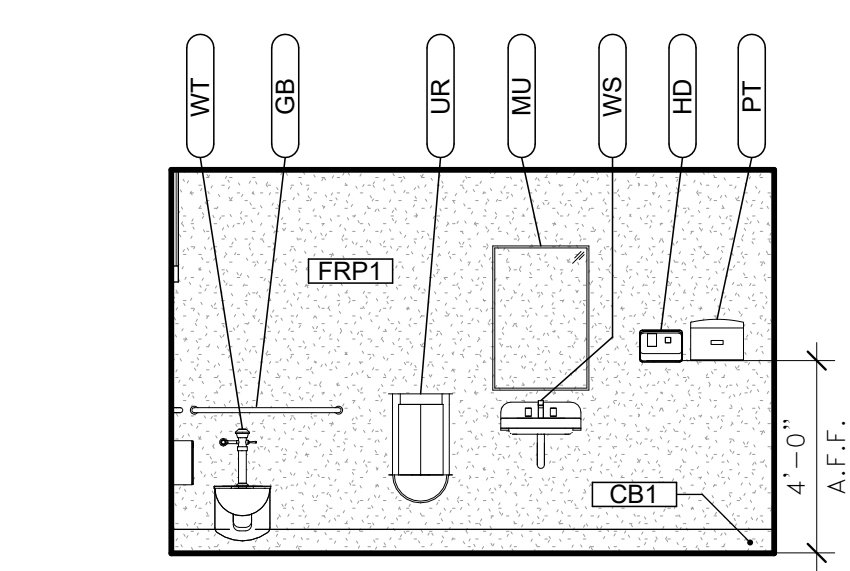
3 OFFICE / KITCHENETTE 101 - EAST
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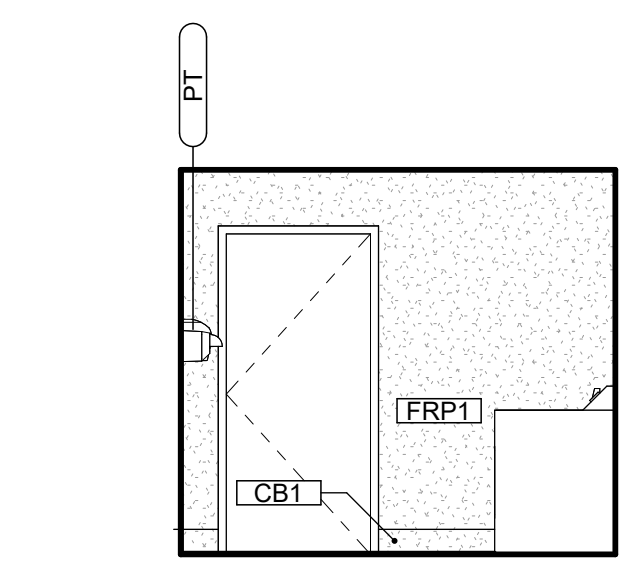
4 OFFICE / KITCHENETTE 101 - SOUTH
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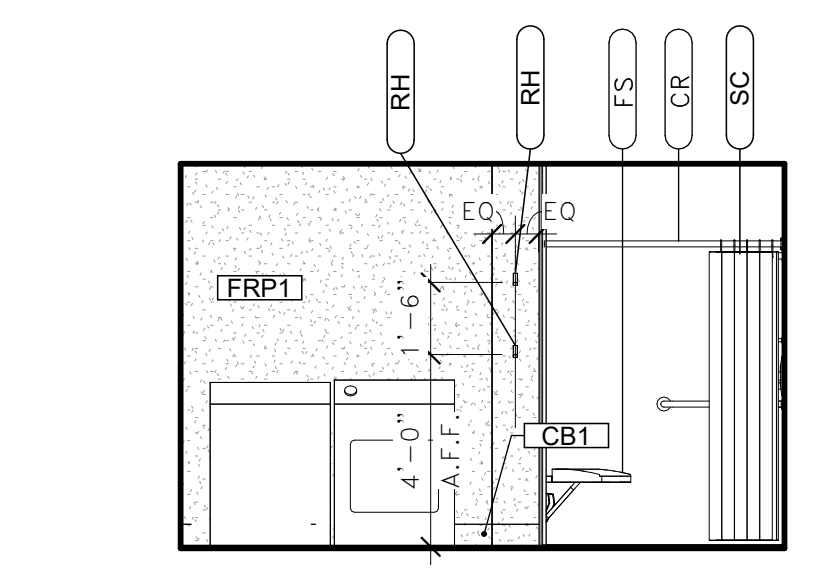
5 OFFICE / KITCHENETTE 101 - WEST
 A15



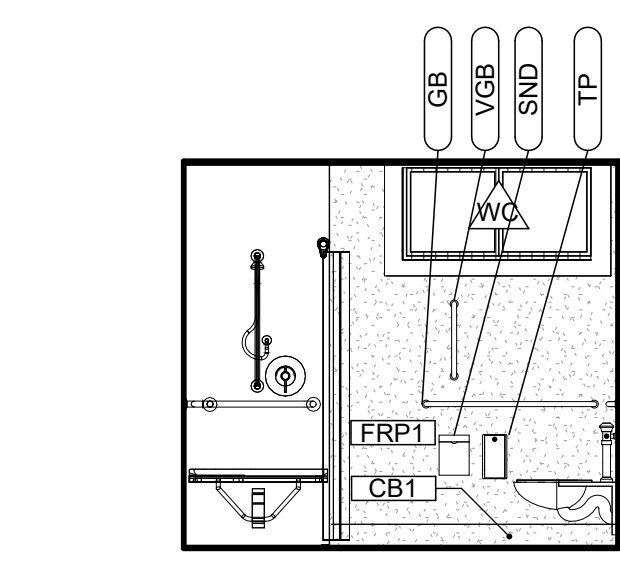
7 RESTROOM 102 - NORTH
 A15



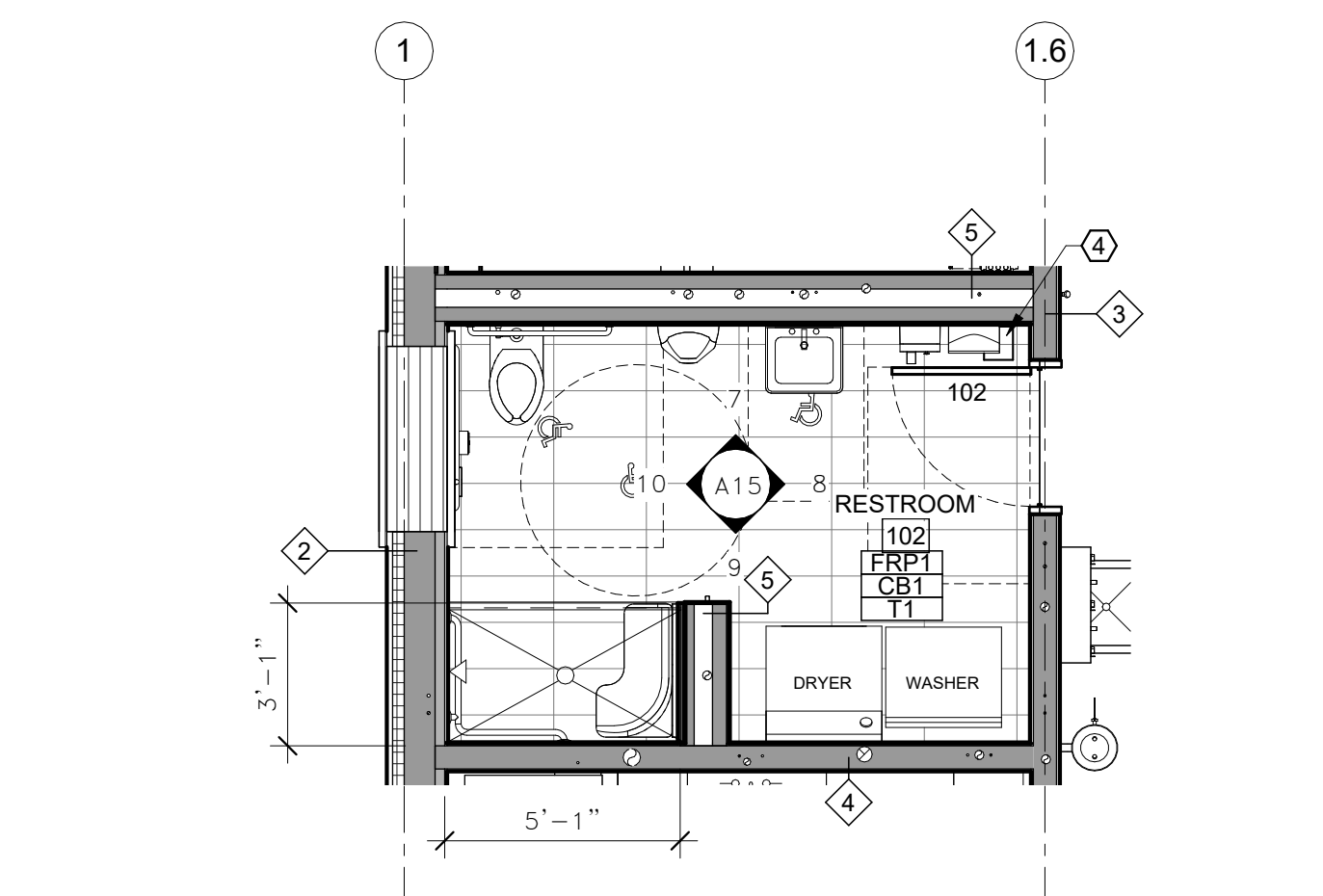
8 RESTROOM 102 - EAST
 A15



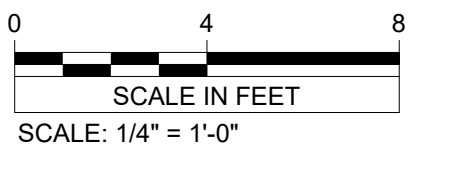
9 RESTROOM 102 - SOUTH
 A15



10 RESTROOM 102 - WEST
 A15



6 MAINTENANCE BUILDING - ENLARGED PLAN RESTROOM
 A15



REV.	DATE	DESCRIPTION	BY

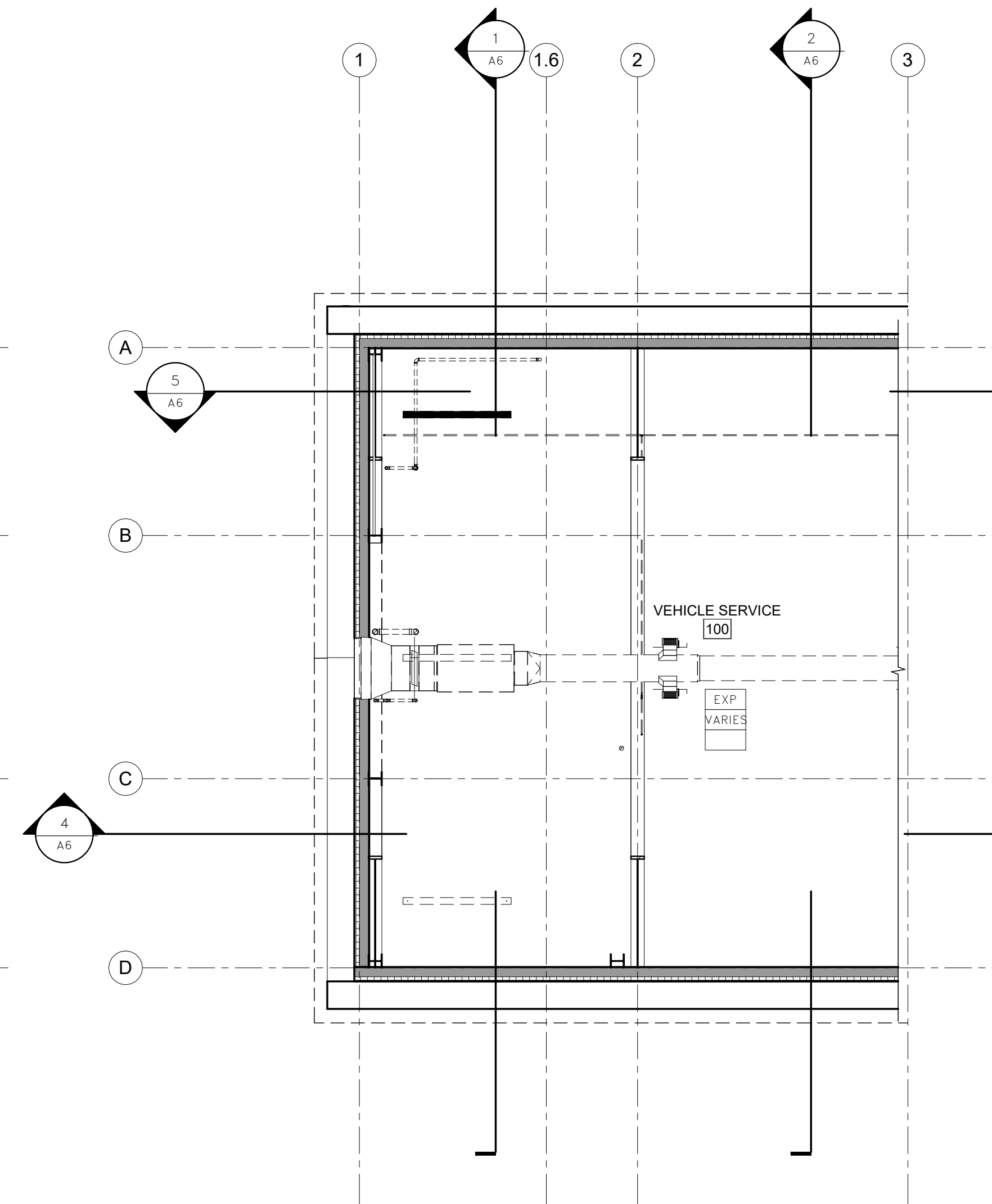
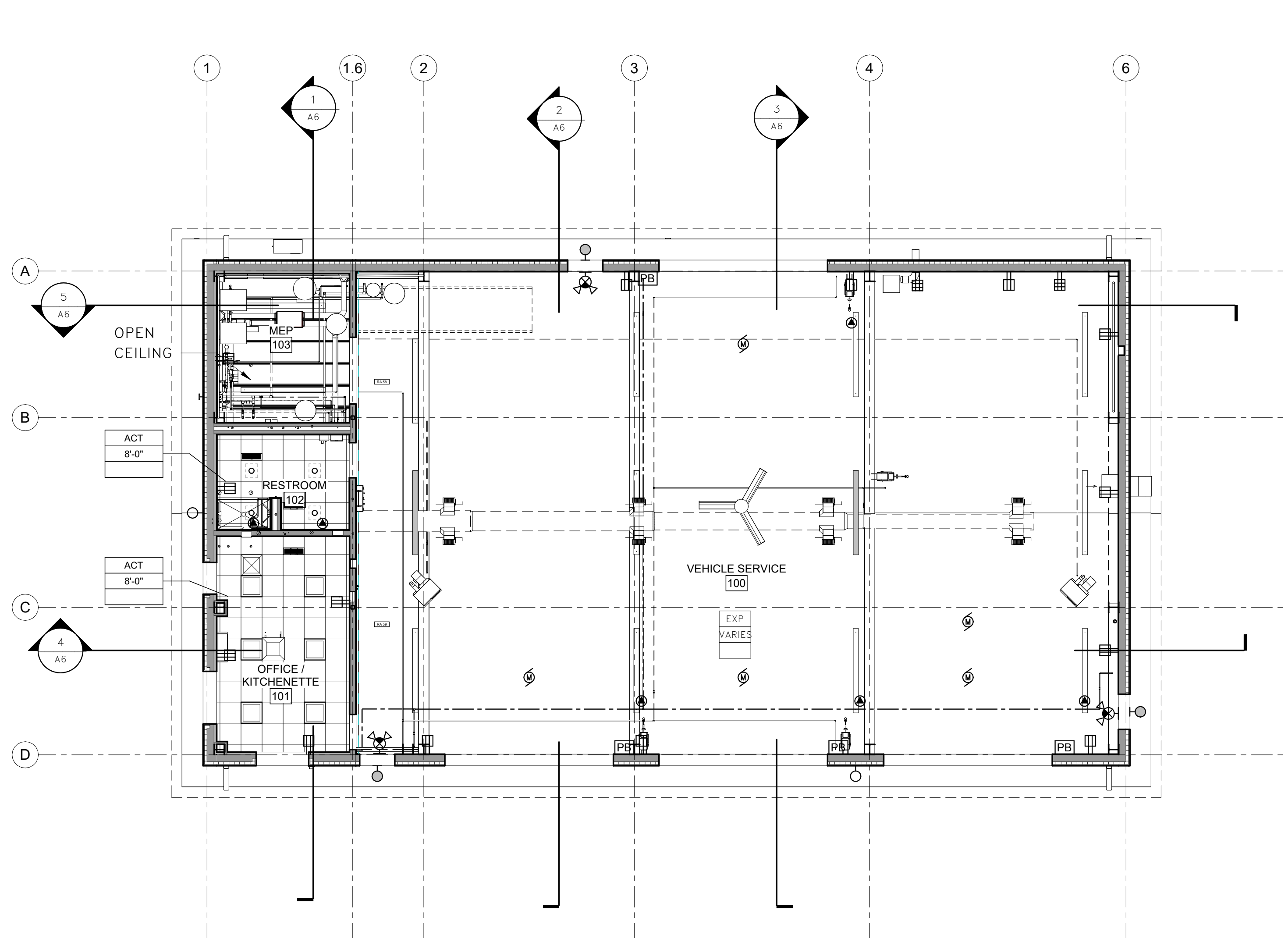
**RYDELL NATIONAL WILDLIFE REFUGE
 MAINTENANCE SHOP**

ENLARGED PLANS AND ELEVATIONS

PROJECT NUMBER: 22-RF-027

DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL149A4	DRAWING NO: 3R-MN-1176-149	SHEET 28 OF 64	

A15



GENERAL NOTES

- A. REFER TO STRUCTURAL SHEETS FOR LOCATION OF STRUCTURAL ELEMENTS.
- B. REFER TO ELECTRICAL SHEETS FOR LOCATION OF ELECTRICAL ELEMENTS.
- C. REFER TO MECHANICAL SHEETS FOR LOCATION OF MECHANICAL ELEMENTS.
- D. REFER TO PLUMBING SHEETS FOR LOCATION OF PLUMBING ELEMENTS.

REFLECTED CEILING LEGEND

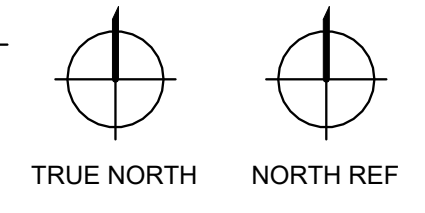
CEILING MATERIAL	ACT
CEILING HEIGHT	00'-00"
ADDITIONAL NOTES	NOTES

	2X2 ACOUSTICAL LAY-IN CEILING		HVAC REGISTERS - SEE MECHANICAL
	EXPOSED STRUCTURE AND DECK - PAINT		LIGHTING - SEE ELECTRICAL

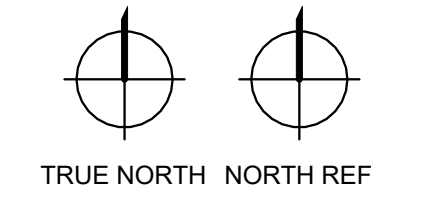
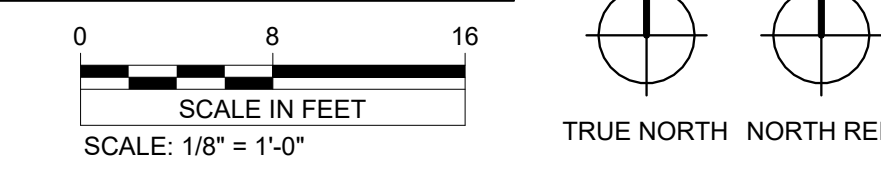
CEILING MATERIAL
 ACT1 2X2 ACOUSTICAL LAY-IN PANEL
 EXP EXPOSED STRUCTURE AND DECK - PAINT
 MTL METAL SOFFIT PANEL

CEILING HEIGHT
 VAR VARIES

1 A16 FIRST FLOOR REFLECTED CEILING PLAN



2 A16 SECOND FLOOR REFLECTED CEILING PLAN

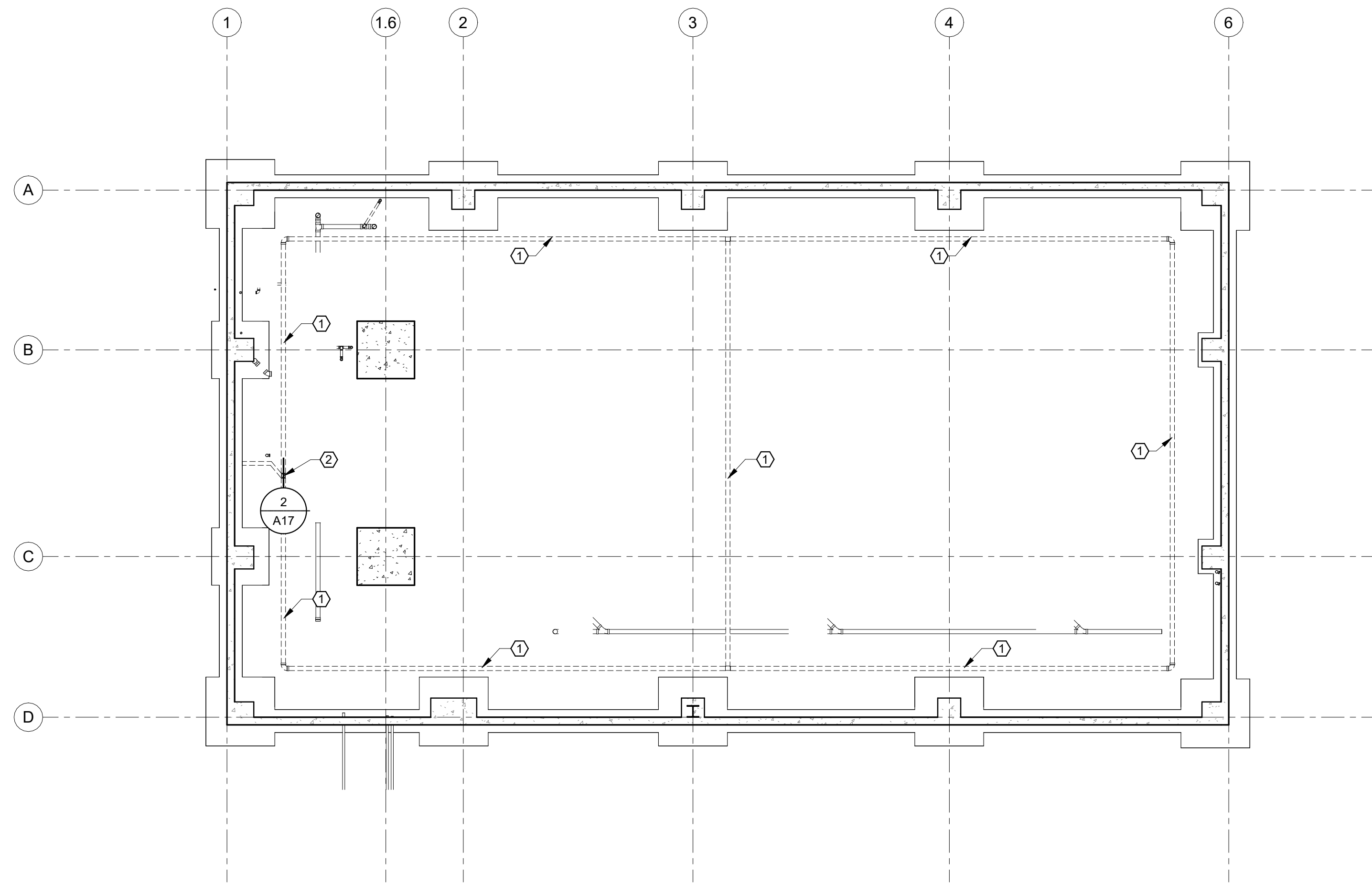


I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: *RAM*
 Typed or Printed Name: Rebecca Muchow
 Date: 01/12/24 License Number: 52502

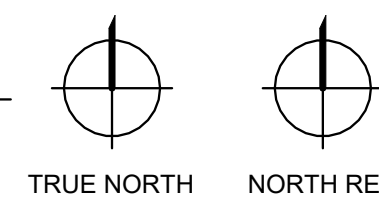
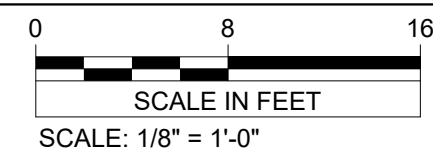
VERIFY SCALE
 THIS BAR IS ONE INCH ON ORIGINAL DRAWING
 0" = 1"
 ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
REFLECTED CEILING PLAN			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD:RDL 150AO	DRAWING NO: 3R-MN-1176-150	SHEET 29 OF 64	

A16

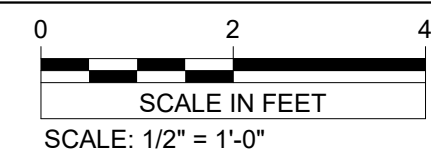
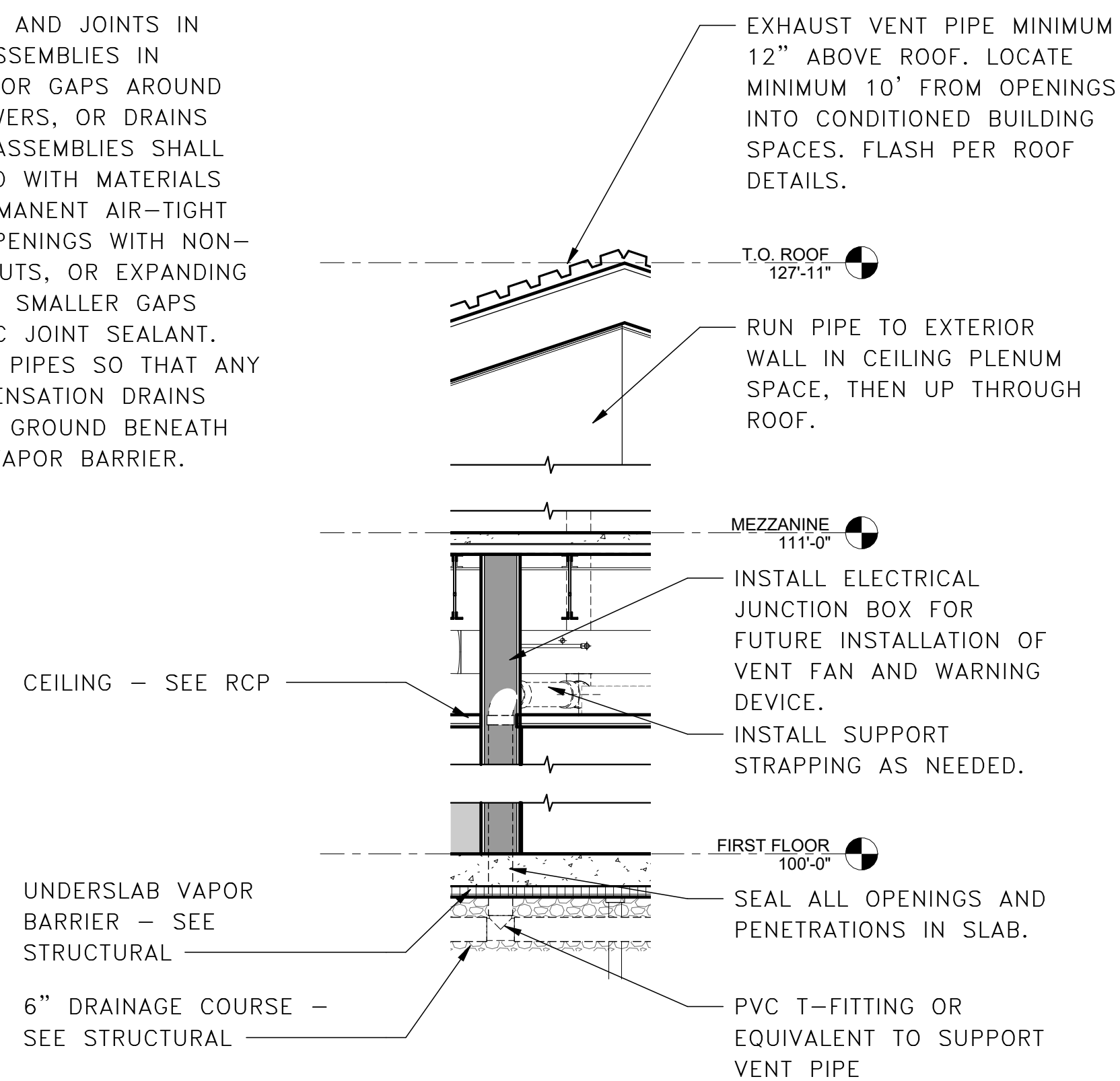


1 FIRST FLOOR RADON PLAN
A17



NOTES:

- ALL OPENINGS, GAPS, AND JOINTS IN FLOOR AND WALL ASSEMBLIES IN CONTACT WITH SOIL, OR GAPS AROUND PIPES, TOILETS, SHOWERS, OR DRAINS PENETRATING THESE ASSEMBLIES SHALL BE FILLED OR CLOSED WITH MATERIALS THAT PROVIDE A PERMANENT AIR-TIGHT SEAL. SEAL LARGE OPENINGS WITH NON-SHRINK MORTAR, GROUTS, OR EXPANDING FOAM MATERIALS AND SMALLER GAPS WITH AN ELASTOMERIC JOINT SEALANT.
- INSTALL RADON VENT PIPES SO THAT ANY RAINWATER OR CONDENSATION DRAINS DOWNWARD INTO THE GROUND BENEATH THE SLAB OR SLAB VAPOR BARRIER.



2 RADON VENT SECTION
A17

SHEET NOTES

- 4" SCHEDULE 40 PVC PERFORATED PIPE SET IN STRUCTURAL DRAINAGE COURSE.
- 4" SCHEDULE 40 PVC PERFORATED PIPE SET IN STRUCTURAL DRAINAGE COURSE. RUN TO EXTERIOR WALL IN FIRST FLOOR CEILING SPACE THEN UP THROUGH ROOF.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature: **R.M.**
Typed or Printed Name: Rebecca Muchow
Date: 01/20/24 License Number: 52502

VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" _____ 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
RYDELL NATIONAL WILDLIFE REFUGE MAINTENANCE SHOP			
POLK COUNTY		ERSKINE, MN	
RADON SYSTEM PLAN			
PROJECT NUMBER: 22-RF-027			
DESIGNED: TRM	DRAWN: PSM	DATE: 1.12.2024	CHECKED: TDF
CADD: RDL 151A0	DRAWING NO: 3R-MN-1176-151	SHEET 30 OF 64	

A17