

# CASTLE ROCK PARK MAINTENANCE BUILDING

## ADAMS COUNTY

OWNER:

ADAMS COUNTY

401 Adams Street

Friendship, WI 53934

ARCHITECT/ CIVIL/  
STRUCTURAL/ HVAC/  
PLUMBING/ ELECTRICAL  
ENGINEER:

MSA PROFESSIONAL SERVICES, INC.

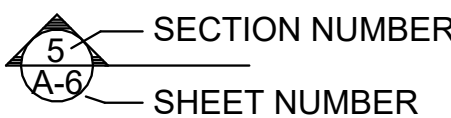
1230 SOUTH BLVD

BARABOO, WI 53913

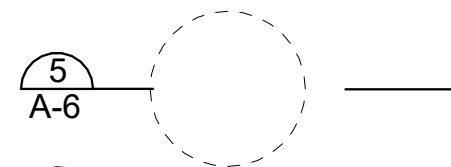
PH: 608-356-2771

SYMBOLS:

CROSS SECTION CUT



DETAIL OR SECTION CUT



DOOR IDENTIFICATION



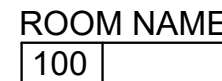
WINDOW IDENTIFICATION



NOTE IDENTIFICATION



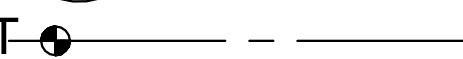
ROOM IDENTIFICATION



REVISION IDENTIFICATION



ELEVATION CONTROL POINT



PROJECT LOCATION:

PROJECT ADDRESS:  
2397 County Rd Z  
Friendship, WI  
53934



BUILDING INFORMATION:

CODE:	2018 WISCONSIN COMMERCIAL BUILDING CODE (2015 IBC)
BUILDING AREA	ENCLOSED: 2,560 SF COVERED: 640 SF TOTAL: 3,200 SF
BUILDING VOLUME:	OVER 50,000 CF
CONSTRUCTION TYPE:	VB
OCCUPANCIES:	
MAIN INDICATED:	S-2
VEHICLE GARAGE:	S-2
STORAGE:	S-1 (ACCESSORY)
ALLOWABLE AREA	
TABULAR:	13,500 SF
(IBC TABLE 506.2)	
SPRINKLERS:	NONE
NO SEPARATION OF OCCUPANCIES OR FIRE AREAS REQ'D	
EXIT DISTANCE:	300 FEET
OCCUPANT LOAD SUMMARY: # OF PERSONS	
GARAGE: 1,280 SF/200 SF/PERSON = 6	
STORAGE: 1,280 SF/300 SF/PERSON = 4	
TOTAL: 10	

NOTES:  
1. ACTUAL STAFF OCCUPANCY IS NOT EXPECTED TO EXCEED 4  
2. THIS IS AN AUXILIARY SUPPORT STRUCTURE WITH STAFF ACCOMODATIONS AND SANITARY FIXTURES PROVIDED IN THE EXISTING ONSITE PARK OFFICE AND FACILITIES

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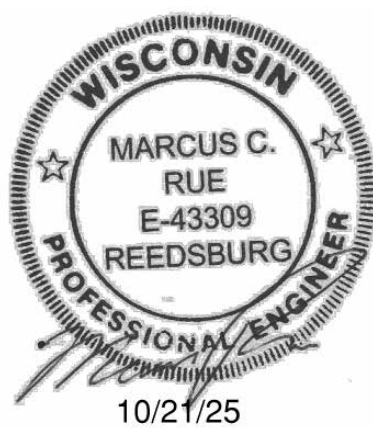
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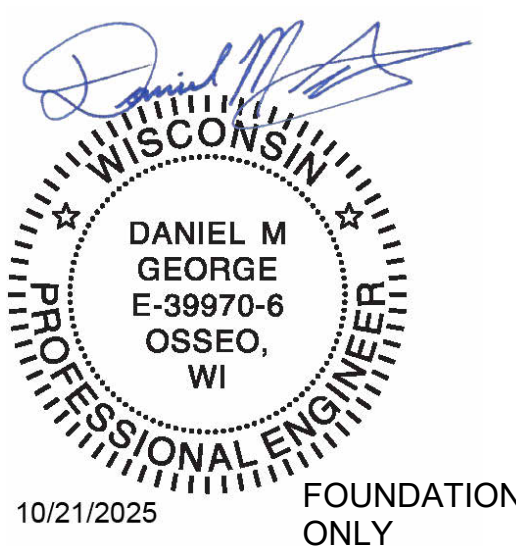
ABBREVIATIONS:

AB	ANCHOR BOLT	LVL	LAMINATED VENEER LUMBER
A/C	AIR CONDITIONER	LAV	LAVATORY
ADDL	ADDITIONAL	MAT'L	MATERIAL
ADJ	ADJACENT	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MBS	METAL BUILDING SYSTEM
AGGR	AGGREGATE	MECH	MECHANICAL
ALT	ALTERNATE	MFR / MANUF	MANUFACTURE(D) (R)
ALUM	ALUMINUM	MIN	MINIMUM
APPROX	APPROXIMATE(LY)	MISC	MISCELLANEOUS
ARCH	ARCHITECTURE (AL)	MPH	MILES PER HOUR
B	BOTTOM OF	MTL	METAL
BD	BOARD	MO	MASONRY OPENING
BIT	BITUMINOUS	NIC	NOT IN CONTRACT
BLDG	BUILDING	NOM	NOMINAL
BLKG	BLOCKING	NTS	NOT TO SCALE
BM	BEAM	OC	ON CENTER
BOT	BOTTOM	OD	OUTSIDE DIAMETER
BRCE	BRACE / BRACING	OF	OVERHEAD
BRG	BEARING	OH	OPENING
CJ	CONTROL / CONTRACTION JOINT	OPNG	OPPOSITE HAND
CL	CENTERLINE	OPP HD	POWER ACTUATED FASTENER
CLG	CEILING	PAF	PRECAST CONCRETE
CLR	CLEAR	PC	POUNDS PER CUBIC FOOT
CMU	CONCRETE MASONRY UNIT	PCF	PLATE
COL	COLUMN	PL	PROPERTY LINE
CONC	CONCRETE	PLBG	PLUMBING
CONT	CONTINUOUS	PLF	POUNDS PER LINEAL FOOT
CONTR	CONTRACTOR	PLWD / PLYWD	PLYWOOD
CORR	CORRUGATED	PLAM	PLASTIC LAMINATE
CPT	CARPET	PSF	POUNDS PER SQUARE FOOT
CT	CERAMIC TILE	PSI	POUNDS PER SQUARE INCH
CSJ	CONSTRUCTION JOINT	PSL	PRESSURATIVE / PRESSUR TREATED
DBL	DOUBLE	QT	QUARRY TILE
DEMO	DEMOLISH / DEMOLITION	RAD	RADIUS
DIA	DIAMETER	RCP	REFLECTED CEILING PLAN
DIM	DIMENSION	RD	ROOF DRAIN / ROOF DECK
DIV	DIVISION	REF	REFERENCE
DF	DRINKING FOUNTAIN	REINF	REINFORCE(D) (ING)
DS	DOWNSPOUT	REQD	REQUIRED
DT	DRAIN TILE	REV	REVISED, REVISION(S)
DTL	DETAIL	ROW	RIGHT OF WAY
DWG	DRAWING	RO	ROUGH OPENING
EF	EACH FACE	RTU	ROOFTOP UNIT
EL	ELEVATION	SCH	SCHEDULE
ELEC	ELECTRIC(AL)	SECT	SECTION
EOR	ENGINEER OF RECORD	SF	SQUARE FOOT
EQ	EQUAL	SHT	SHEET
EQUIV	EQUIVALENT	SIM	SIMILAR
EW	EACH WAY	SOG	SLAB-ON-GRADE
EWG	ELECTRIC WATER COOLER	SPECS	SPECIFICATIONS
EXP	EXPANSION	SQ	SQUARE
EXIST / (E)	EXISTING	SS	STAINLESS STEEL
EXT	EXTERIOR	S&V	STAIN AND VARNISH
FD	FLOOR DRAIN	STD	STANDARD
FDN	FOUNDATION	STL	STEEL
FE	FIRE EXTINGUISHER	STRUCT / STR	STRUCTURE (AL)
FF	FINISHED FLOOR	T	TOP OF
FG	FINISHED GRADE	T&B	TOP AND BOTTOM
FIN	FINISH(ED)	T&G	TONGUE AND GROOVE
FLR	FLOOR	THK	THICK(NESS)
FRP	FIBERGLASS REINFORCED POLYMER	THRU	THROUGH
FT	FOOT / FEET	TYP	TYPICAL
FTG	FOOTING	UNEX	UNEXCAVATED
GA	GAUGE	UNO	UNLESS NOTED OTHERWISE
GALV	HOT-DIPPED GALVANIZE(D)	VERT	VERTICAL
GC	GENERAL CONTRACTOR	VIF	VERIFY IN FIELD
GR	GRADE	VCT	VINYL COMPOSITION TILE
GYP	GYPSON	VWC	VINYL WALL COVERING
HB	HOSE BIBB	WI	WOOD
HC	HOLLOW CORE	WH	WATER HEATER
HDR	HORIZONTAL	WIN	WITHIN
HORIZ	HORIZONTAL	W/O	WITHOUT
HT	HEIGHT	WP	WORKING POINT
HTG	HEATING	WS	WATERSTOP
HM	HOLLOW METAL	WT	WEIGHT
HVAC	HEATING, VENTILATING, AIR	WMM	WELDED WIRE MESH
ID	INSIDE DIAMETER	WWR	WELDED WIRE REINFORCEMENT
IF	INSIDE FACE		
INCL	INCLUDE(D) (ING)		
INSUL	INSULATION		
INT	INTERIOR		
INV	INVERT		
JT	JOINT		
LL	LIVE LOAD		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		

CIVIL/SITE



STRUCTURAL



ARCHITECTURE



PLUMBING



HVAC



ELECTRICAL



PROJECT DATE:	OCTOBER 21, 2025	DRAWN BY:	CKW	DESIGNED BY:	ECA	CHECKED BY:	ECA
No	DATE	REVISIONS	BY				



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ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE BLDG

ADAMS COUNTY  
FRIENDSHIP, WI

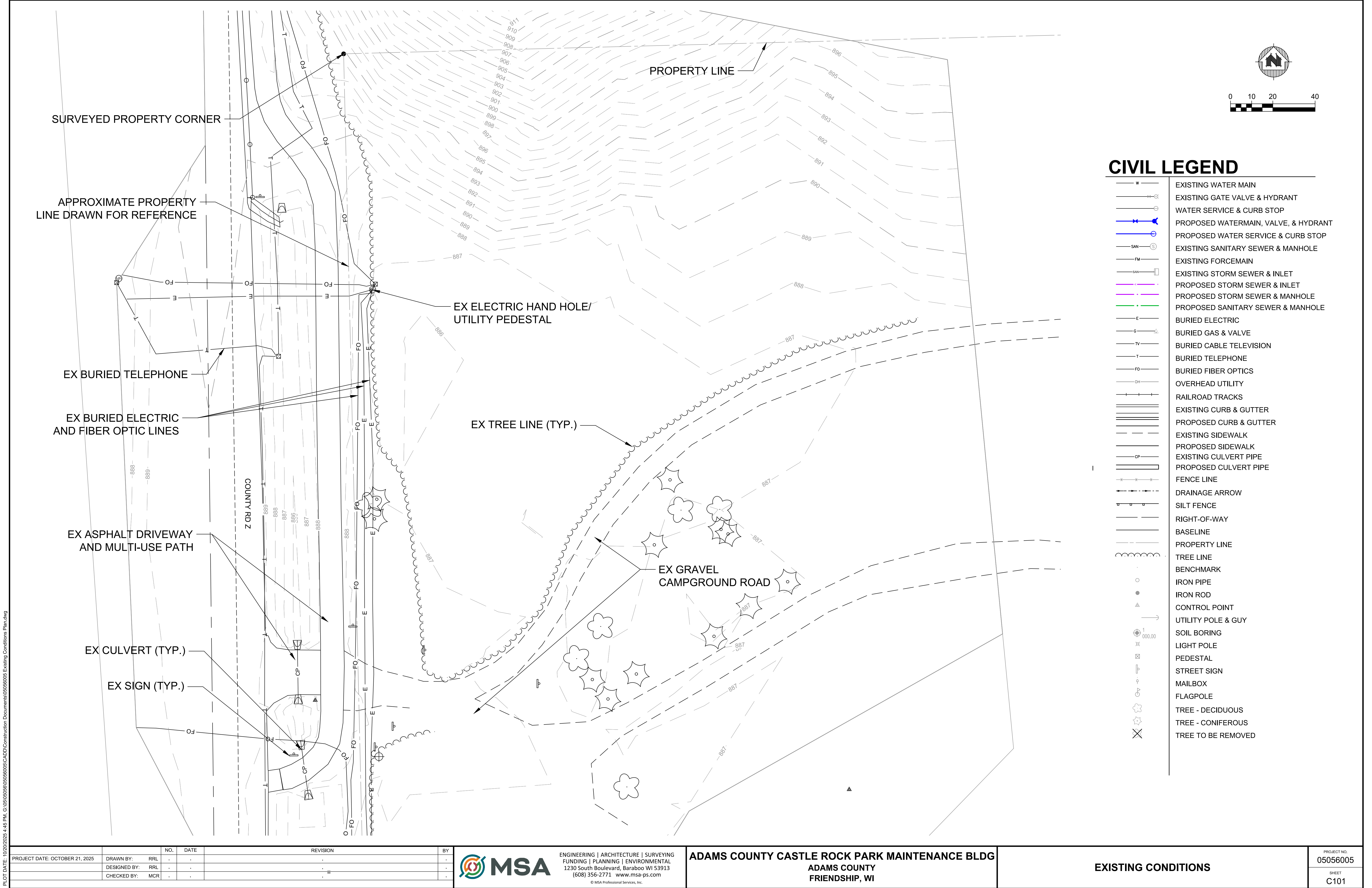
TITLE SHEET

PROJECT NO.  
05056005


SHEET  
T101



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PROJECT DATE: OCTOBER 21, 2025	DRAWN BY: RRL	NO.	DATE	REVISION	BY
	DESIGNED BY: RRL	.	.	.	.
	CHECKED BY: MCR	.	.	.	.



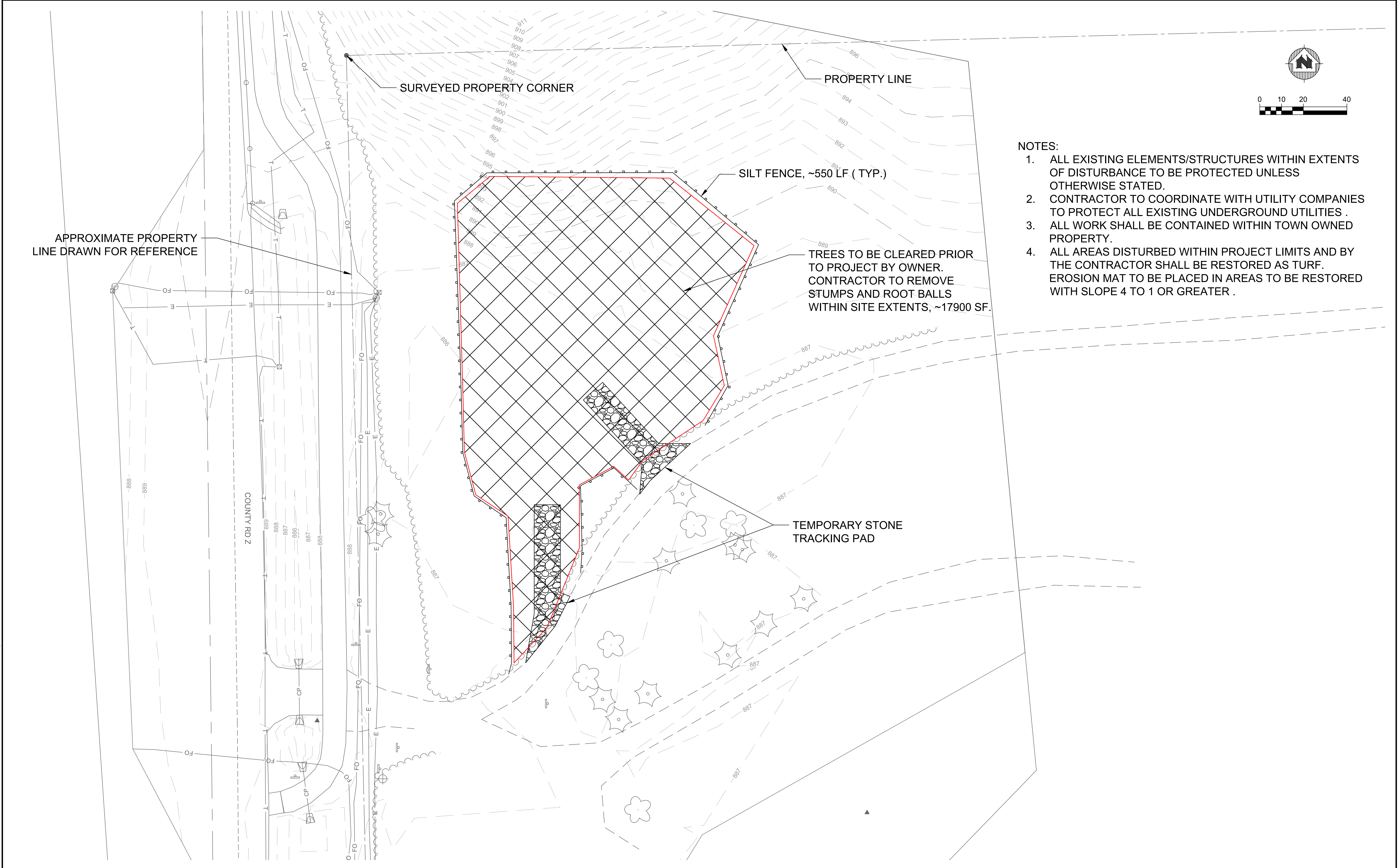
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**ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE BLDG**  
**ADAMS COUNTY**  
**FRIENDSHIP, WI**

<b>EXISTING CONDITIONS</b>		PROJECT NO. 05056005
		SHEET C101



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- NOTES:
1. ALL EXISTING ELEMENTS/STRUCTURES WITHIN EXTENTS OF DISTURBANCE TO BE PROTECTED UNLESS OTHERWISE STATED.
  2. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES TO PROTECT ALL EXISTING UNDERGROUND UTILITIES .
  3. ALL WORK SHALL BE CONTAINED WITHIN TOWN OWNED PROPERTY.
  4. ALL AREAS DISTURBED WITHIN PROJECT LIMITS AND BY THE CONTRACTOR SHALL BE RESTORED AS TURF. EROSION MAT TO BE PLACED IN AREAS TO BE RESTORED WITH SLOPE 4 TO 1 OR GREATER .

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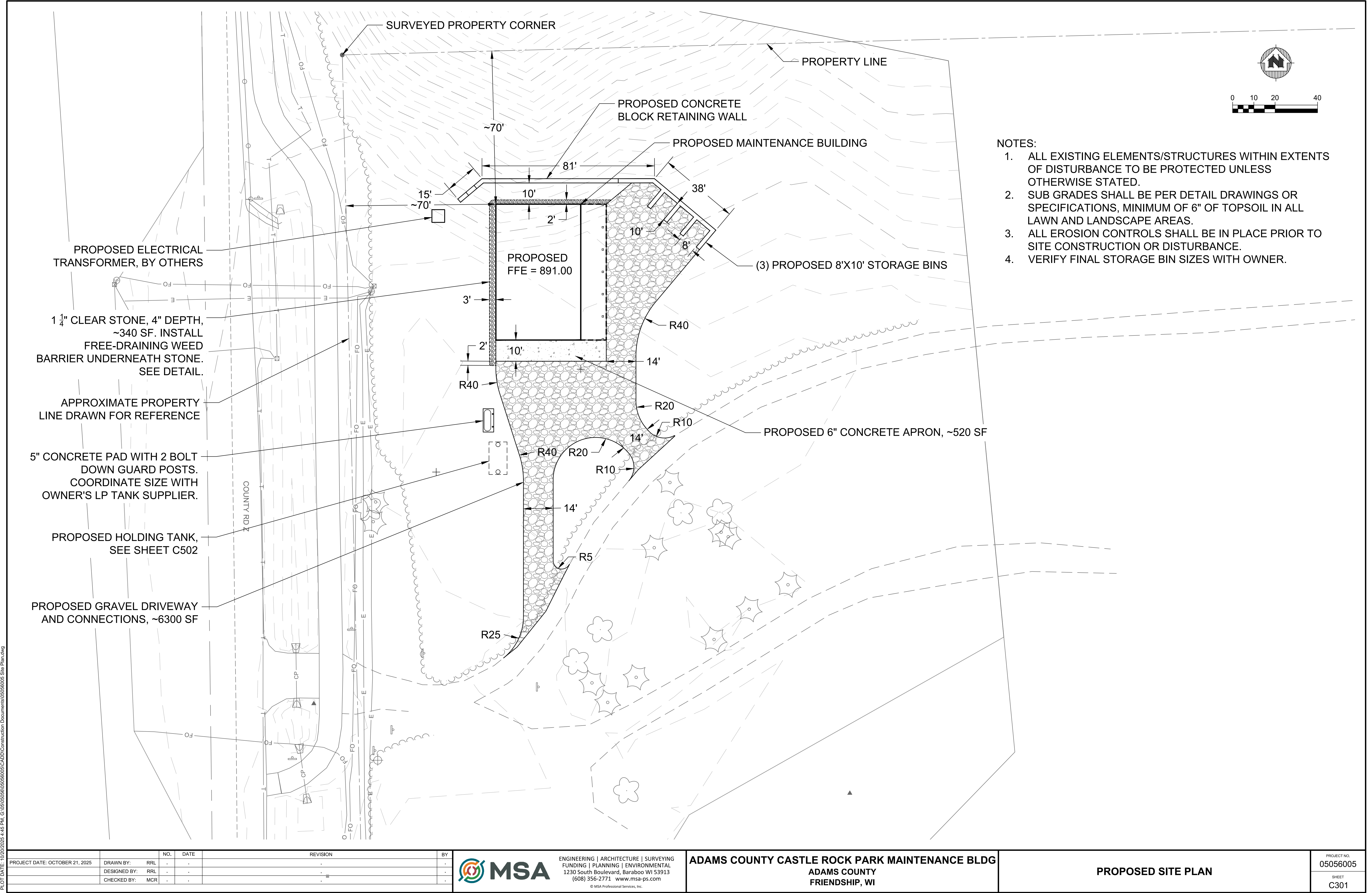
**ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE BLDG**  
**ADAMS COUNTY**  
**FRIENDSHIP, WI**

**DEMOLITION & EROSION CONTROL PLAN**

PROJECT NO.  
**05056005**

SHEET  
**C201**





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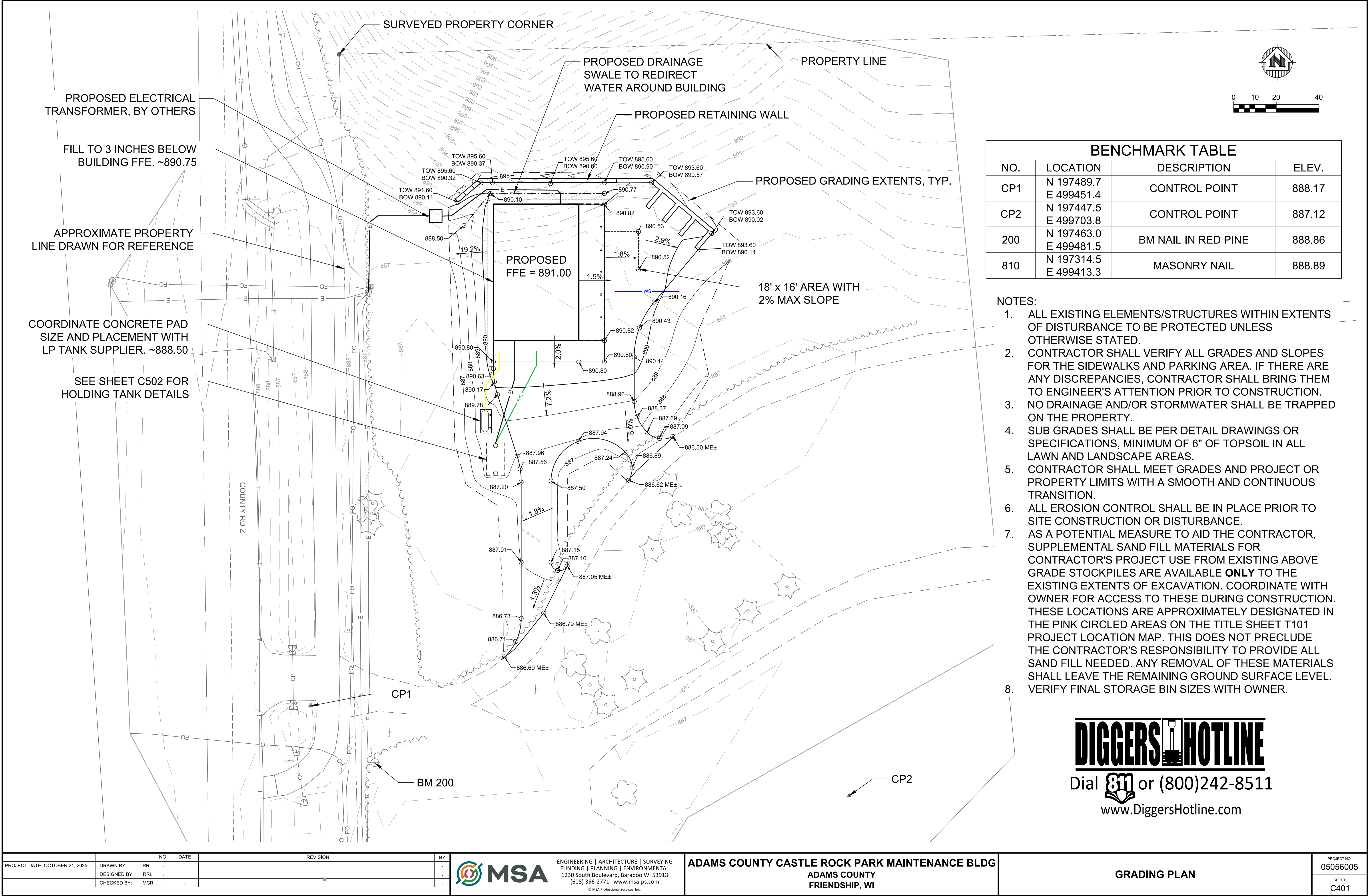
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ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE BLDG ADAMS COUNTY FRIENDSHIP, WI	PROPOSED SITE PLAN	PROJECT NO. 05056005
		SHEET C301





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**ADAMS COUNTY**  
**FRIENDSHIP, WI**

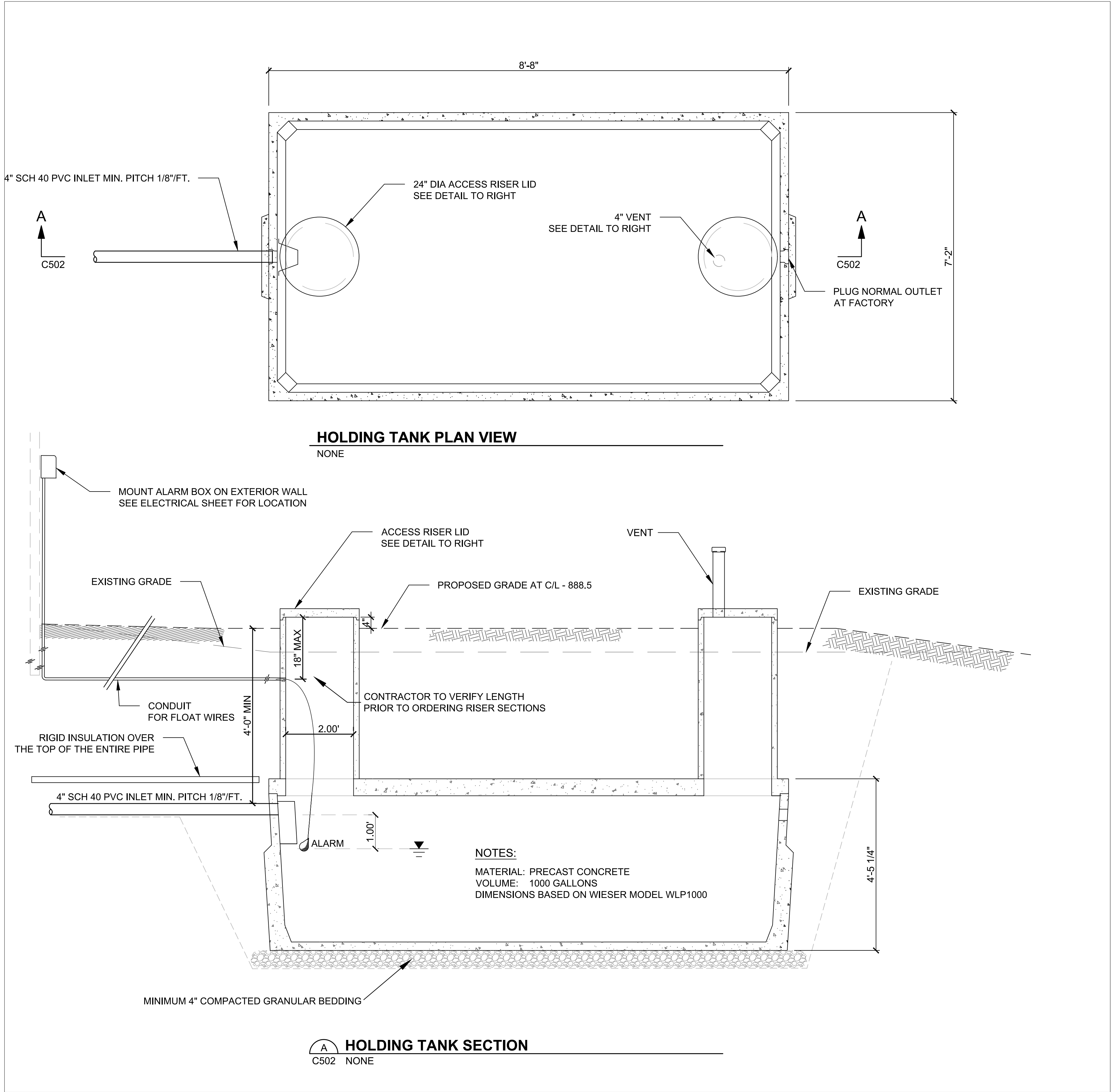
GRADING PLAN		PROJECT NO. 05056005
		SHEET C401





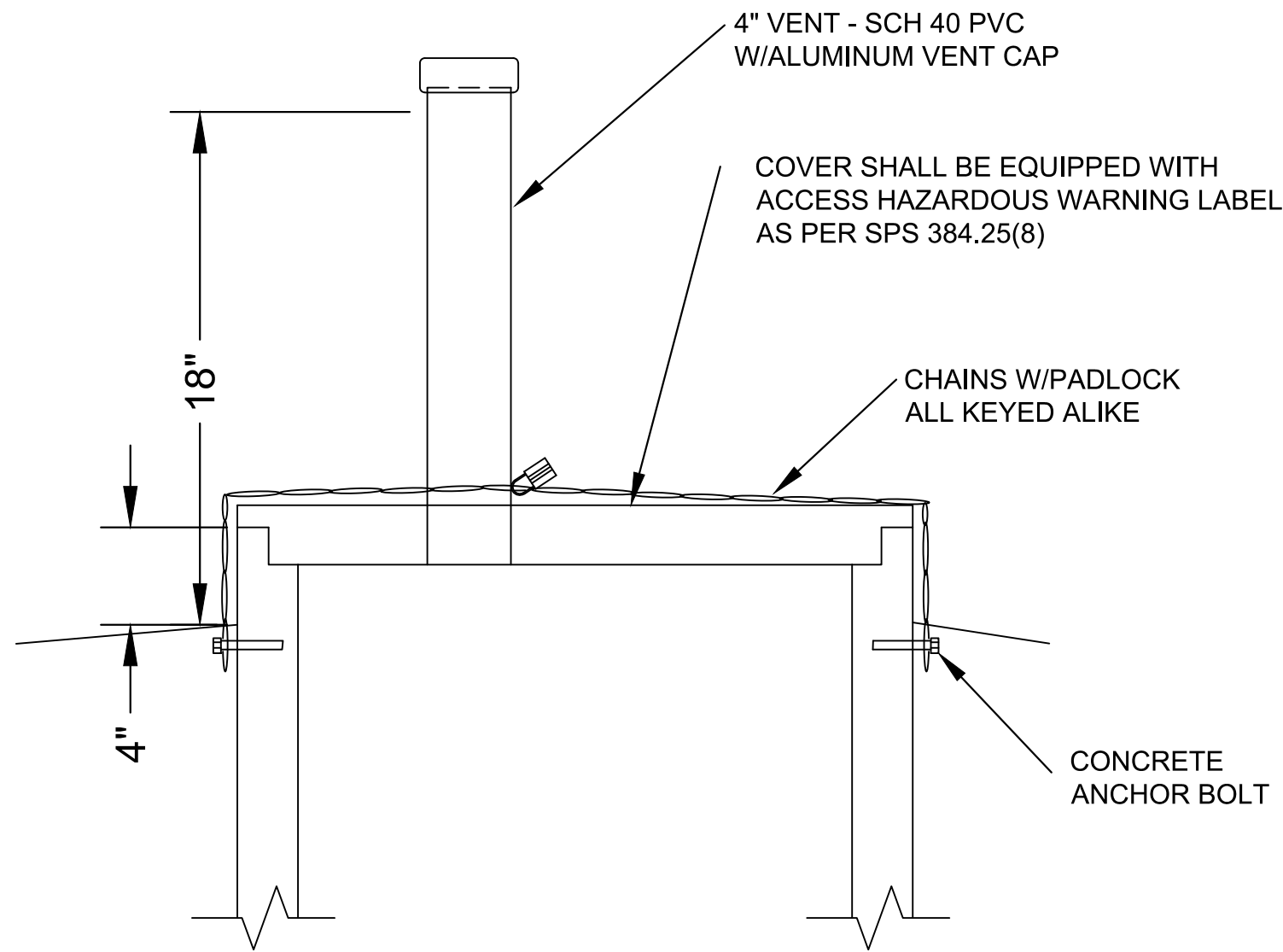


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GENERAL NOTES

- A. TONGUE AND GROOVE OR SHIPLAP JOINTS REQUIRED ON TANK TOP, TANK SECTIONS, RISERS AND ALL MANHOLE SECTIONS. CONTRACTOR SHALL VERIFY ALL DEPTHS AND ORDER RISER SECTIONS ACCORDINGLY.
- B. TANK SHALL BE PRECAST REINFORCED CONCRETE APPROVED FOR USE AS HOLDING TANK AND LISTED IN THE DSPS PLUMBING PRODUCTS REGISTER.
- C. PROVIDE WATERTIGHT CONNECTIONS AT ALL PIPE PENETRATIONS WITH FLEXIBLE CONNECTORS MEETING THE REQUIREMENTS OF ASTM STANDARD C-923 "RESILIENT CONNECTORS BETWEEN CONCRETE MANHOLE STRUCTURES AND PIPE".
- D. LOCATE TANK 15' MINIMUM FROM ALL WATER SERVICE LINES AS SHOWN ON CONTRACT DRAWINGS.
- E. ALL TANK OPENINGS >8" IN DIAMETER, EXTENDING ABOVE FINISHED GRADE, SHALL BE FURNISHED WITH A WARNING LABEL AS SPECIFIED IN SPS 384.25(8).
- F. ALL RISER COVERS EXTENDING ABOVE FINISHED GRADE SHALL TERMINATE 4" ABOVE GRADE AND BE FURNISHED WITH A LOCKING MECHANISM.
- G. ALL TANKS SHALL BE COATED ON THE OUTSIDE WITH A BITUMINOUS SEALANT SUCH AS TREMPROOF 60, LUCAS 4700 OR EQUAL AT THE FACTORY PRIOR TO SHIPMENT TO THE SITE.
- H. GRANULAR BEDDING MEETING THE REQUIREMENTS OF SPS 384 SHALL BE PROVIDED FOR TANK.
- I. BACKFILL FOR ALL TANKS SHALL BE TYPE II. NO SOIL OR ROCK FRAGMENTS GREATER THAT 2" IN SIZE SHALL BE ALLOWED WITHIN 12" OF THE SIDEWALL OF THE TANK OR PIPE. SUITABLE NATIVE MATERIAL MAY BE USED WITH ENGINEER'S APPROVAL.
- J. THE CONTRACTOR INSTALLING THE HOLDING TANK SHALL HOLD A VALID PLUMBER'S LICENSE ISSUED BY THE STATE OF WISCONSIN.
- K. CONTRACTOR SHALL SUBMIT REQUIRED SHOP DRAWINGS FOR REVIEW PRIOR TO ORDERING MATERIAL AND SHIPMENT TO THE SITE.
- L. THE HOLDING TANK INSTALLER SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE SITE GENERAL CONTRACTOR AND THE ELECTRICAL CONTRACTOR.
- M. ALL DISTURBED AREAS SHALL BE FINISHED WITH TOPSOIL, SEED, FERTILIZER AND MULCH AS REQUIRED BY THE CONTRACT DOCUMENTS.
- N. SEE SPECIFICATIONS FOR SEEDING MIXTURE AND APPLICATION RATE.



24" ROUND RISER DETAIL

PROJECT DATE: OCTOBER 21, 2025	DRAWN BY:	MDR	NO.	DATE	REVISION	BY:
	DESIGNED BY:	MDR	.	.	.	.
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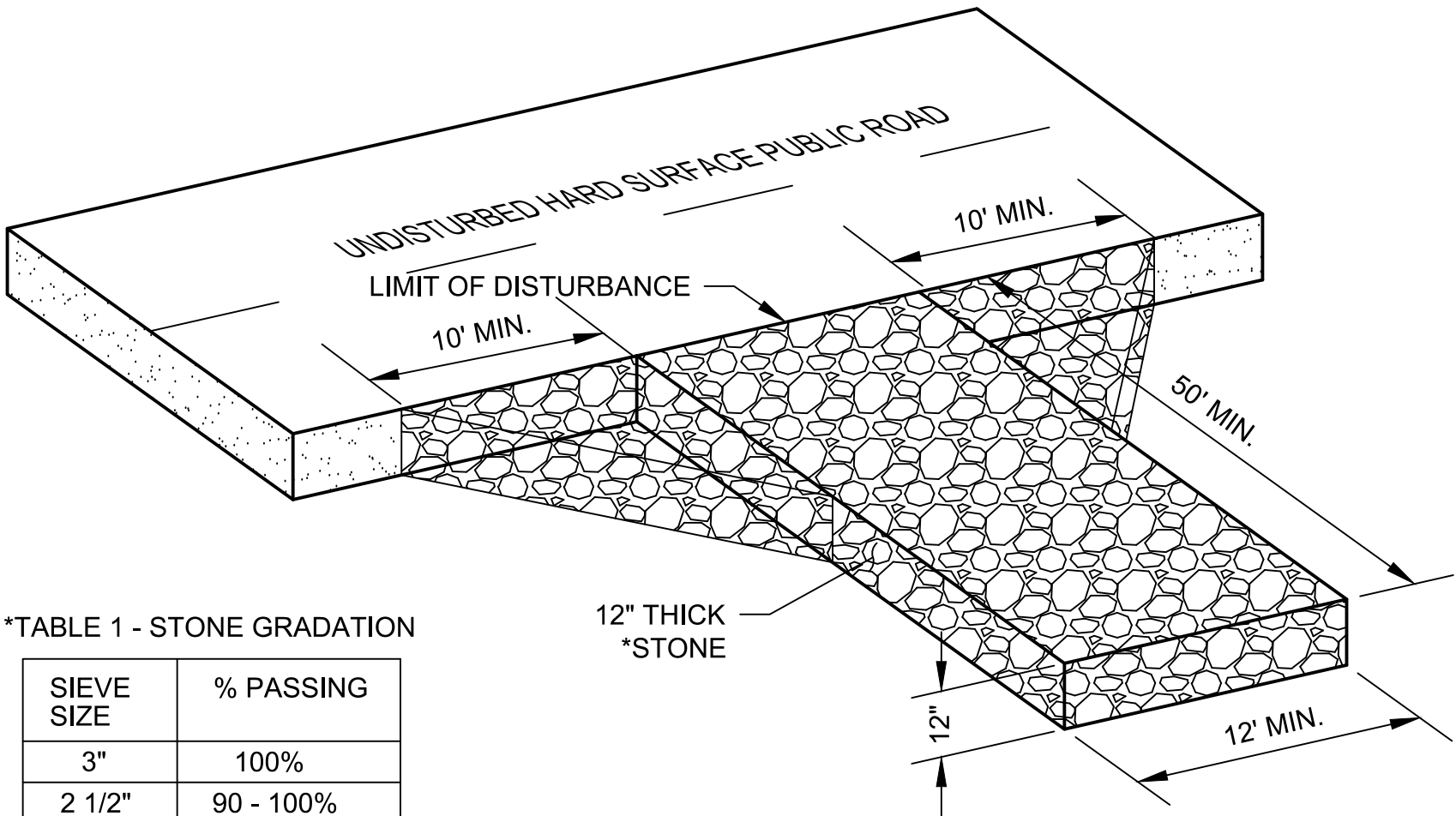
HOLDING TANK PLAN AND PROFILE

PROJECT NO.  
05056005  
SHEET  
C502



CONSTRUCTION SITE  
EROSION CONTROL REQUIREMENTS

1. SECTION NR216.46 OF WISCONSIN STATE ADMINISTRATIVE CODE IDENTIFIES REQUIREMENTS FOR CONSTRUCTION SITE AND POST-CONSTRUCTION EROSION CONTROL. IT IS THE INTENT OF THESE PLANS TO SATISFY THESE REQUIREMENTS. THE METHODS AND STRUCTURES USED TO CONTROL EROSION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL IMPLEMENT AN APPROPRIATE MEANS OF CONTROLLING EROSION DURING SITE OPERATION AND UNTIL THE VEGETATION IS RE-ESTABLISHED. ADJUSTMENTS TO THE CONTROL SYSTEM SHALL BE MADE AS REQUIRED.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WISCONSIN DNR'S CONSERVATION PRACTICE STANDARDS. THESE STANDARDS ARE PERIODICALLY UPDATED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REFERENCE THE MOST RECENTLY RELEASED STANDARD.
3. THIS INFORMATION IS ONLY ONE PART OF THE OVERALL EROSION CONTROL REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY ALSO BE SHOWN ON THE CONTRACT DRAWINGS AND IN THE ACCOMPANYING SPECIFICATIONS.
4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE OWNER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
5. THE AREA OF EROSION LAND EXPOSED TO THE ELEMENTS BY GRUBBING, EXCAVATION, TRENCHING, BORROW AND FILL OPERATIONS AT ANY ONE TIME SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING. ALL DISTURBED AREAS SHALL BE TREATED WITH PERMANENT STABILIZATION MEASURES WITHIN 3 WORKING DAYS OF FINAL GRADING.
6. ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN HAS OCCURRED. ALL NECESSARY REPAIR AND MAINTENANCE WILL BE DONE AT THIS INSPECTION TIME.
7. ALL EROSION CONTROL DEVICES AND/OR STRUCTURES SHALL BE PROPERLY INSTALLED PRIOR TO CLEARING AND GRUBBING OPERATIONS WITHIN THEIR RESPECTIVE DRAINAGE AREAS. THESE SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS RE-ESTABLISHED.
8. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY INSTALLED PRIOR TO ANY SOIL DISTURBANCE.
9. ANY SLOPES STEEPER THAN 3H:1V SHALL BE STAKED WITH EROSION CONTROL FABRIC UNLESS INDICATED ON THE PLAN.
10. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
11. WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH, OR A TACKING AGENT MAY BE REQUIRED TO PROTECT NEARBY RESIDENCES AND WATER RESOURCES.
12. CHANNELIZED RUNOFF ENTERING THE PROJECT SITE FROM ADJOINING LANDS SHALL BE DIVERTED THROUGH NATURALLY OR ARTIFICIALLY EROSION-RESISTANT CONVEYANCES. IF CHANNELIZED RUNOFF CANNOT BE DIVERTED, SITE BEST MANAGEMENT PRACTICES MUST ACCOUNT FOR THE ADDITIONAL FLOW RATES AND EROSION POTENTIAL THAT SUCH RUNOFF PRESENTS.
13. THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT SOILS FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEPED AND/OR SCRAPPED (NOT FLUSHED) PERIODICALLY TO REMOVE SOIL, DIRT, AND/OR DUST.
14. EROSION CONTROLS SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF TEMPORARY STOCKPILES. ANY SOIL STOCKPILE THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING. ALL STOCK PILES SHALL BE PLACED AT LEAST 75 FEET FROM STREAMS OR WETLANDS.
15. ADDITIONAL EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) SHALL INCLUDE THE FOLLOWING:
- a. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
- b. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
- c. DISCHARGE OF TRENCH WATER OR DEWATERING EFFLUENT MUST BE PROPERLY TREATED TO REMOVE SEDIMENT IN ACCORDANCE WITH THE WDNR CONSERVATION PRACTICE STANDARD 1061 - DEWATERING OR A SUBSEQUENT WDNR DEWATERING STANDARD PRIOR TO DISCHARGE INTO A STORM SEWER, DITCH, DRAINAGEWAY, OR WETLAND OR LAKE.
16. ALL DRAINAGE CULVERTS, STORM DRAIN INLETS, MANHOLES, OR ANY OTHER EXISTING STRUCTURES THAT COULD BE DAMAGED BY SEDIMENTATION SHALL BE PROTECTED ACCORDING TO THE VARIOUS METHODS PROVIDED IN THE PRINTED CONSERVATION PRACTICE STANDARDS.
17. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
18. THE FIRST SIX WEEKS AFTER INITIAL STABILIZATION, ALL NEWLY SEEDED AND MULCHED AREAS SHALL WATERED WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
19. WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BMP'S SUCH AS SILT FENCES, STRAW BALES, AND SEDIMENT TRAPS SHALL BE REMOVED AND THESE AREAS STABILIZED.
20. ALL TEMPORARY BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED.
21. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.



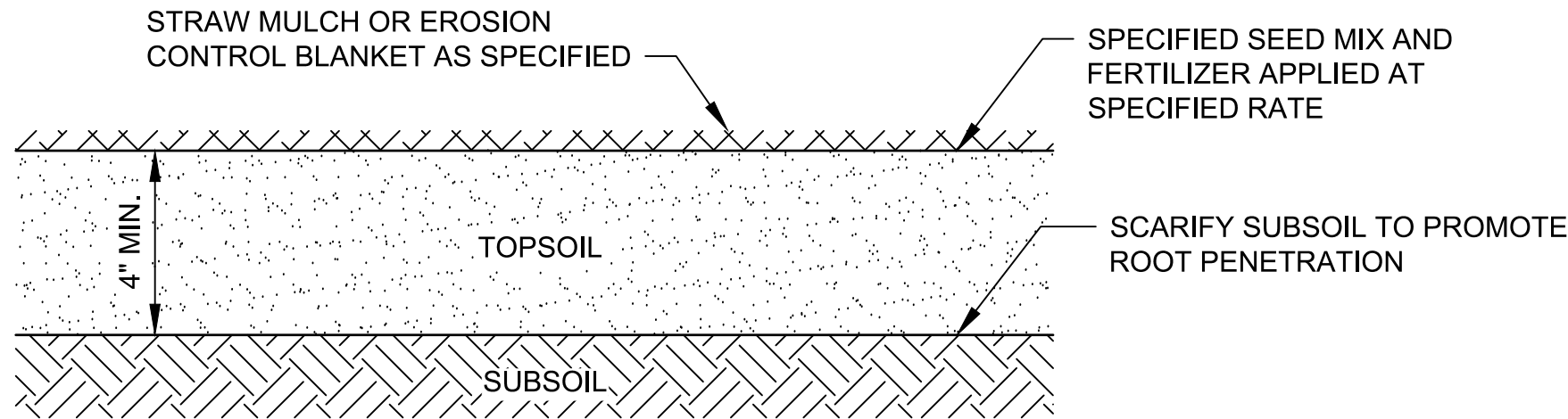
\*TABLE 1 - STONE GRADATION

SIEVE SIZE	% PASSING
3"	100%
2 1/2"	90 - 100%
1 1/2"	25 - 60%
3/4"	0 - 20%
3/8"	0 - 5%

NOTES:

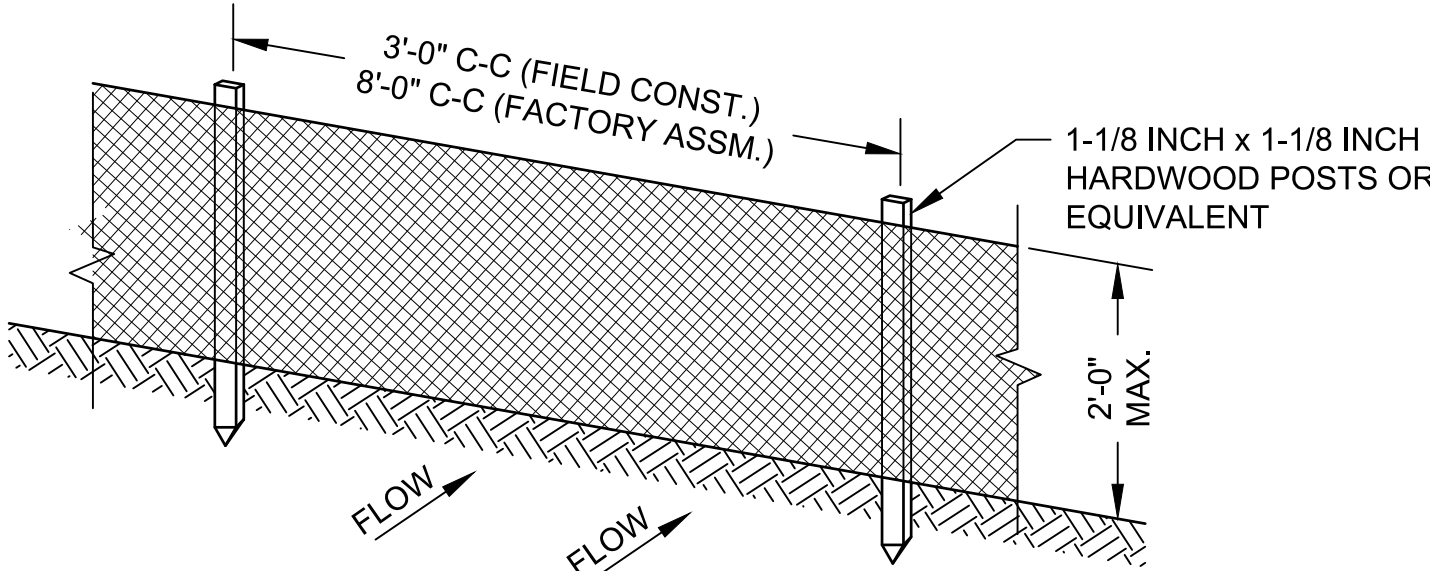
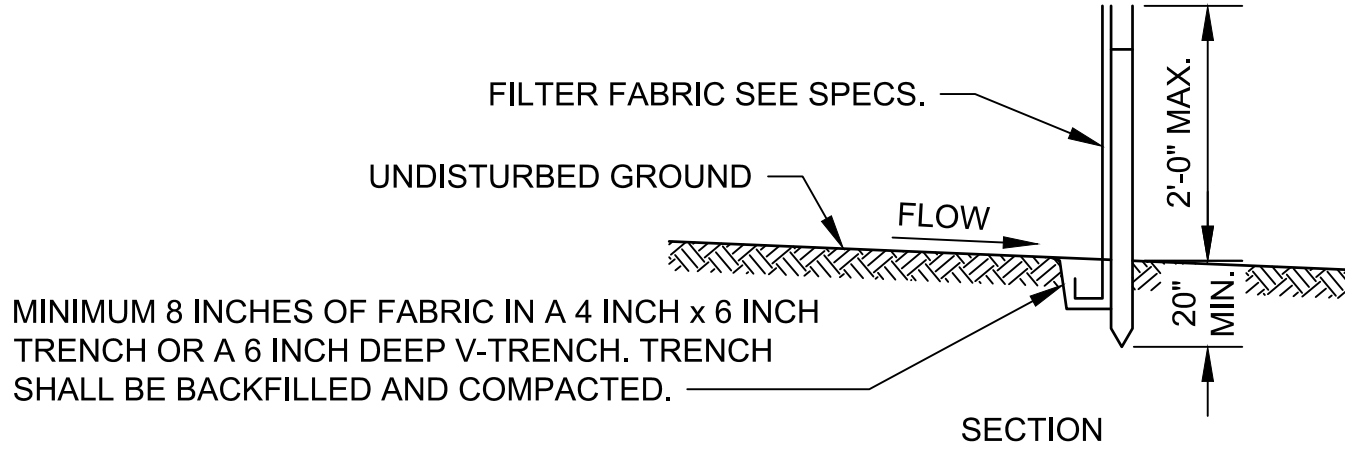
1. TRACKING PAD WIDTH SHALL BE AT LEAST THE FULL WIDTH OF THE EGRESS POINT OR 12' WIDE MINIMUM.
2. TRACKING PAD LENGTH SHALL BE 50' FOR CONSTRUCTION SITES, 30' FOR SINGLE FAMILY RESIDENTIAL, OR AS SPECIFIED IN THE CONTRACT DOCUMENTS. LENGTH OF TRACKING PAD MAY NEED TO BE INCREASED OR ADDITIONAL SEDIMENT CONTROL PRACTICES INSTALLED BY THE CONTRACTOR IF SEDIMENT TRACK-OUT OCCURS.
3. GEOTEXTILE FABRIC TYPE R SHALL BE INSTALLED BETWEEN THE STONE AND SUBGRADE ON SITES WHERE HIGH GROUND WATER IS OBSERVED.
4. CONTRACTOR SHALL CLEAN STREET/ROADWAY ADJACENT TO ALL CONSTRUCTION ACCESS POINTS AT THE END OF EACH WORKDAY OR MORE FREQUENTLY IF REQUESTED.

1 TEMPORARY STONE TRACKING PAD  
C901 NTS



NOTE: WHERE REQUIRED, PLANT HERBACEOUS PLUGS ACCORDING TO PLAN, OR AS DIRECTED BY ENGINEER.

3 TOPSOIL AND SEEDING DETAIL  
C901 NTS



GENERAL NOTES:

1. ENDS OF FENCE SHALL BE TURNED UPSLOPE 1 TO 2 FEET IN ELEVATION TO PREVENT FLANKING.
2. STAPLE FABRIC WITH 1/2 INCH (MINIMUM) STAPLES TO THE UPSLOPE SIDE OF THE POSTS.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.

2 TYPICAL SILT FENCE INSTALLATION AT SITE PERIMETER DETAIL  
C901 NTS

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PLOT DATE: 10/20/2025 4:46 PM G:\051056056\05056005\CADD\Construction Documents\05056005 Erosion Control Details.dwg

PROJECT DATE: OCTOBER 21, 2025	DRAWN BY: RRL	NO.	DATE	REVISION	BY
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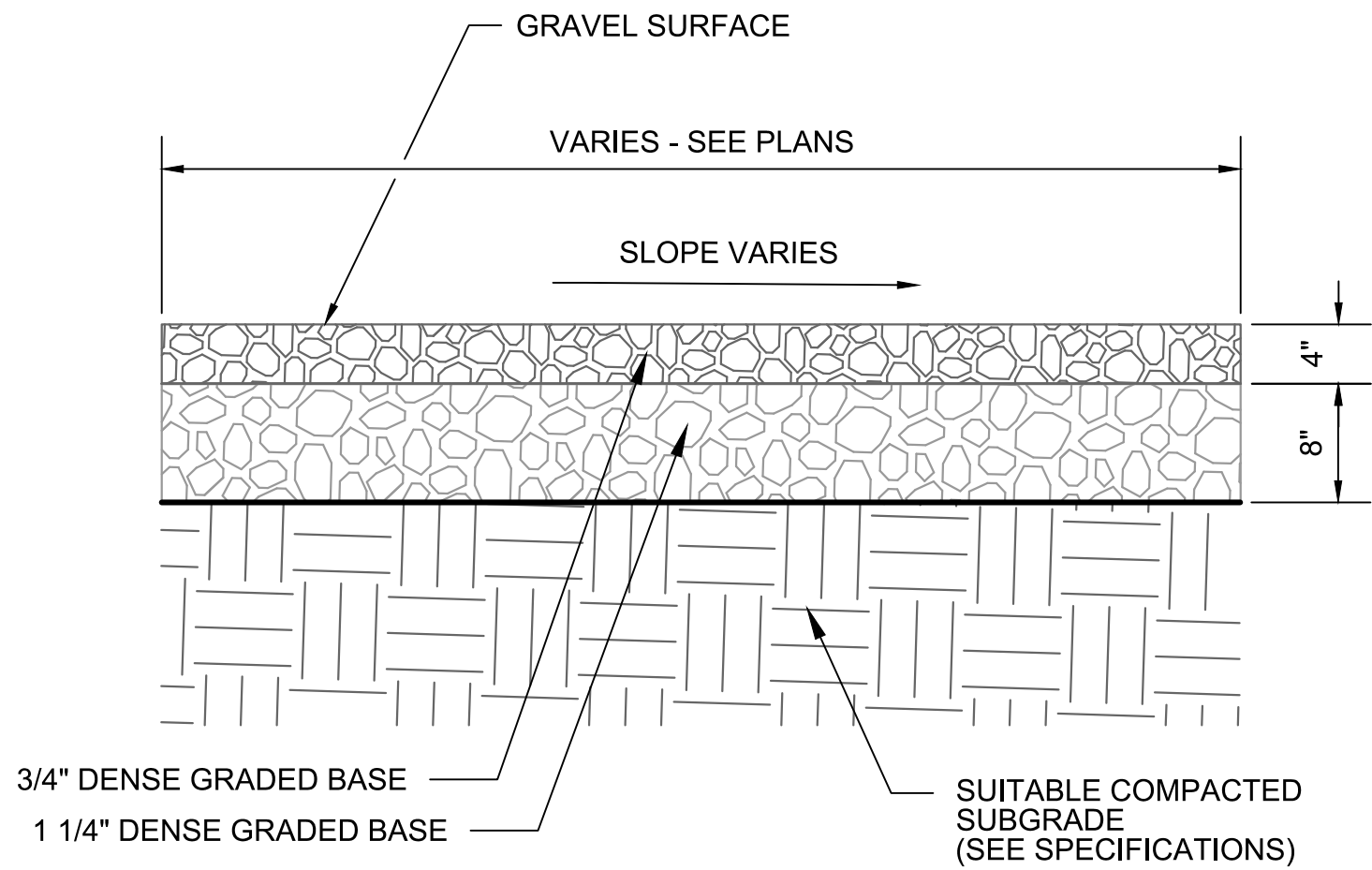
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EROSION CONTROL DETAILS

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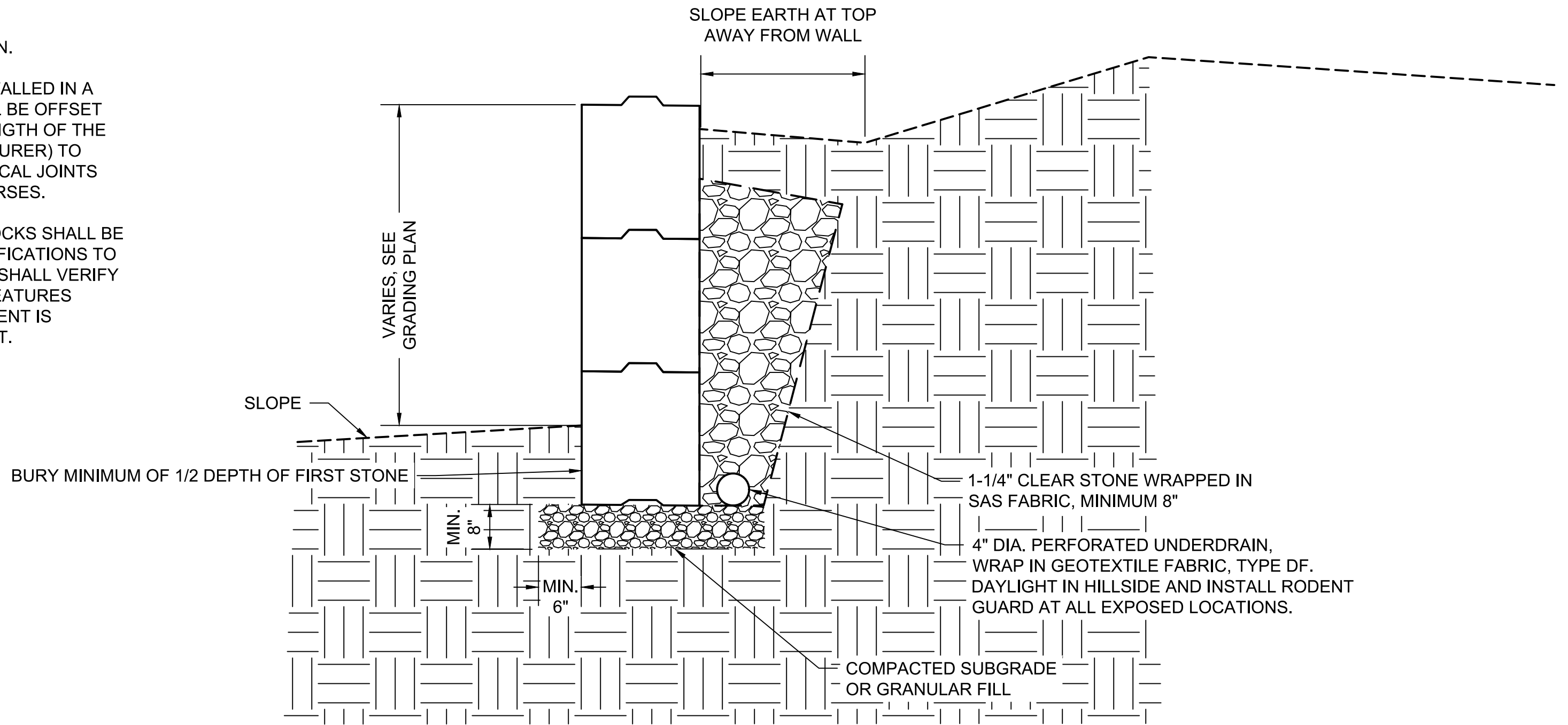


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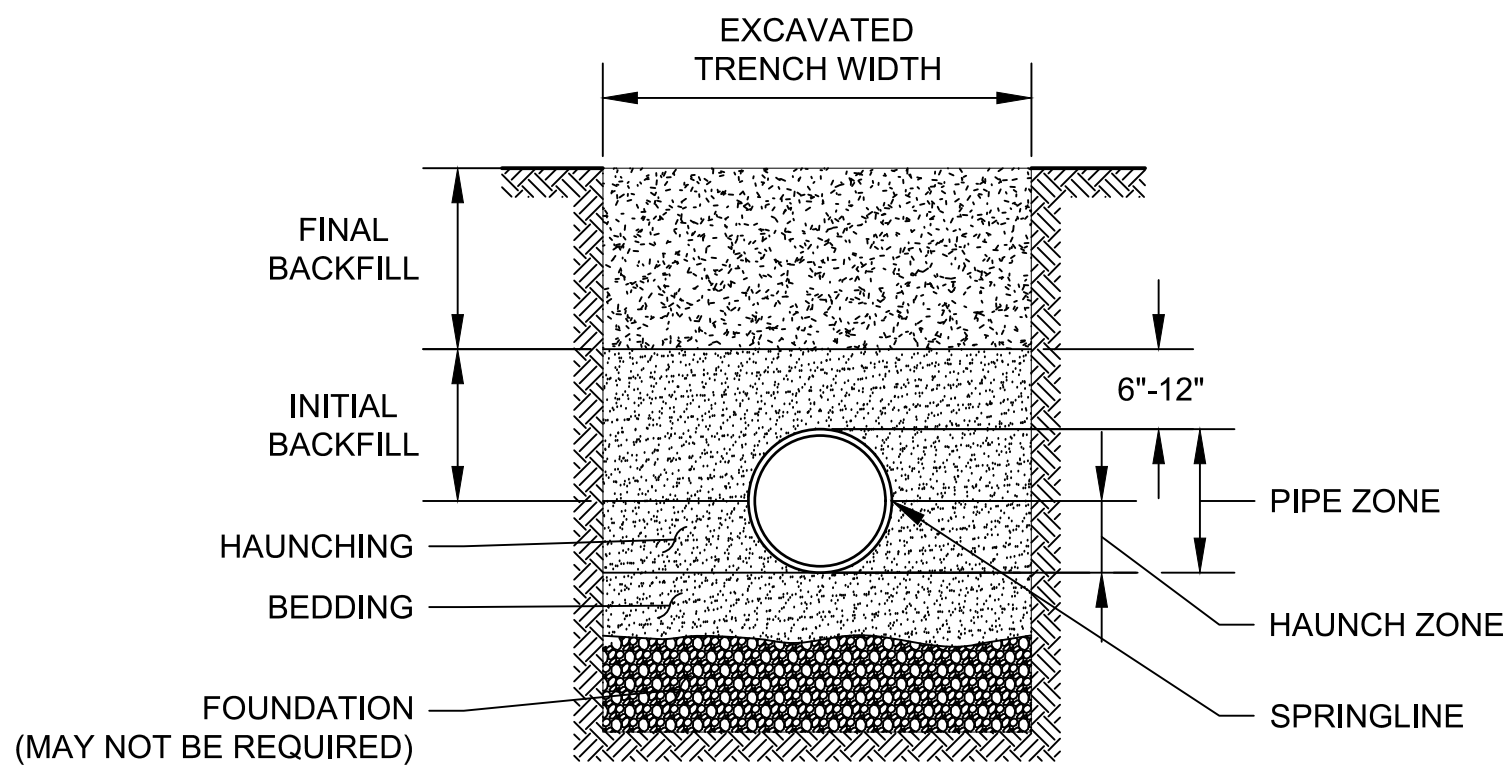


1 GRAVEL DRIVEWAY DETAIL  
C902 NTS

- NOTES:
1. VERIFY ALL ELEVATIONS WITH GRADING PLAN.
  2. ALL RETAINING WALL BLOCKS SHALL BE INSTALLED IN A STAGGERED PATTERN. EACH COURSE SHALL BE OFFSET FROM THE COURSE BELOW BY HALF THE LENGTH OF THE BLOCK (OR AS SPECIFIED BY THE MANUFACTURER) TO ENSURE STRUCTURAL INTEGRITY AND VERTICAL JOINTS SHALL NOT ALIGN BETWEEN ADJACENT COURSES.
  3. AT BIN WALL LOCATIONS AND CORNERS, BLOCKS SHALL BE INTERLOCKED PER MANUFACTURER'S SPECIFICATIONS TO ENSURE LATERAL STABILITY. CONTRACTOR SHALL VERIFY PROPER ENGAGEMENT OF INTERLOCKING FEATURES DURING INSTALLATION AND ENSURE ALIGNMENT IS MAINTAINED THROUGHOUT THE WALL HEIGHT.



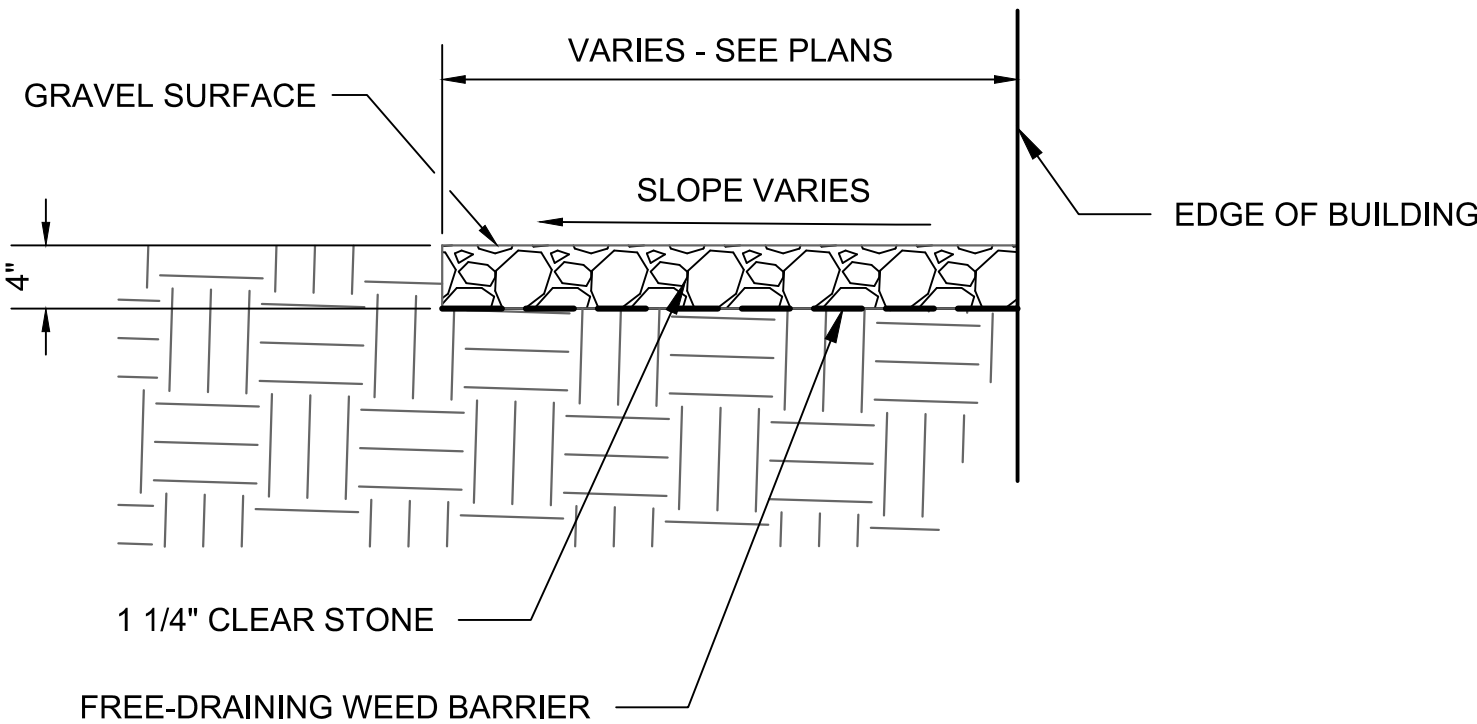
2 RETAINING WALL DETAIL  
C902 NTS



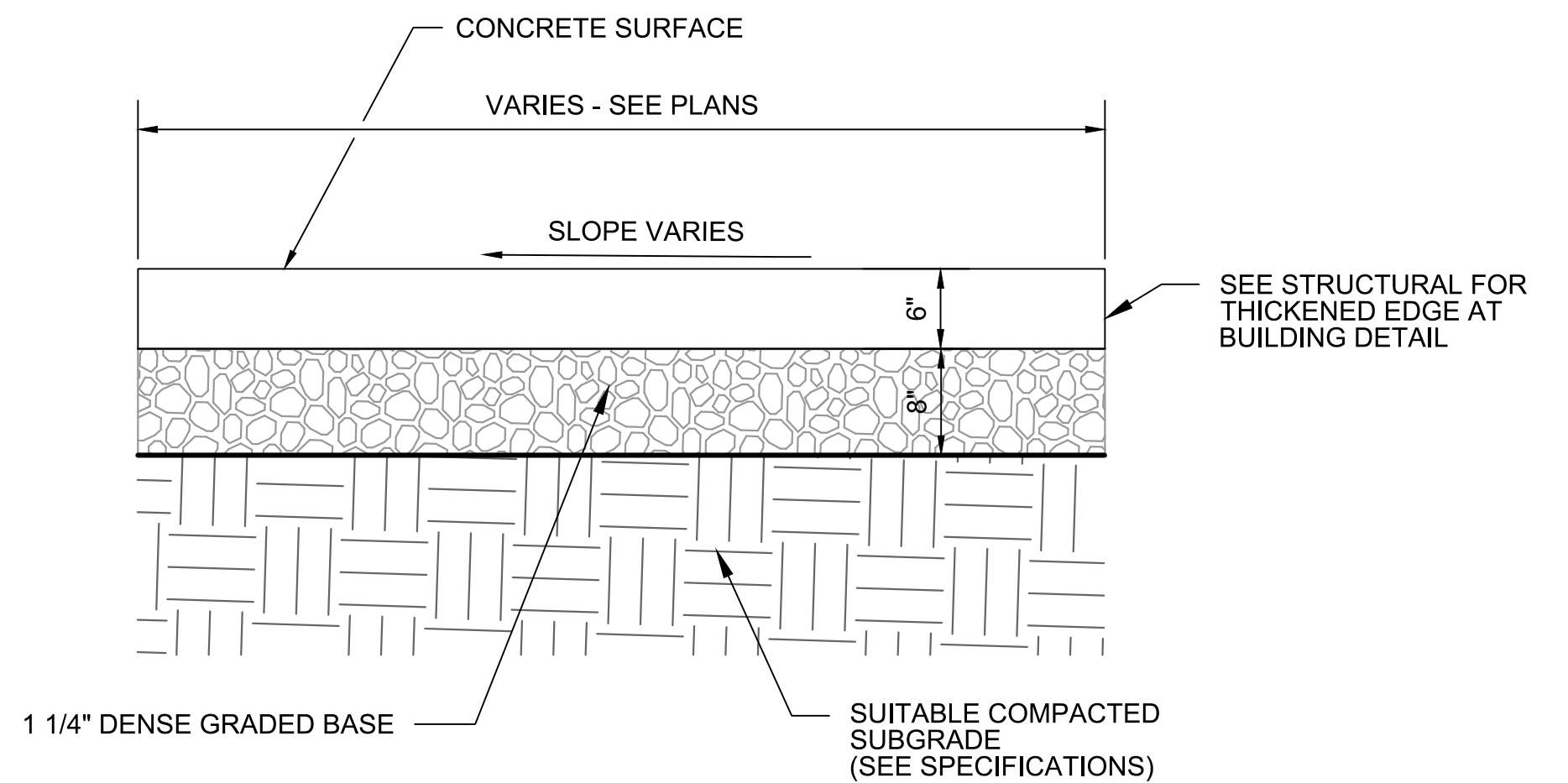
GENERAL NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM D2321.
2. CLASS II EMBEDMENT MATERIAL SHALL BE CLEAN, COARSE-GRAINED SOILS WITH LITTLE-TO-NO FINES. NO PARTICLES LARGER THAN 1 1/2 -INCHES SHALL BE USED IN THE PIPE EMBEDMENT.
3. WHERE HYDRAULIC GRADIENT EXISTS, USE A WELL-GRADED MIXTURE TO MINIMIZE MIGRATION OF FINES FROM ADJACENT SOIL.
4. CLASS II MATERIAL IS SUITABLE AS A FOUNDATION AND FOR REPLACING OVER-EXCAVATED AND UNSTABLE TRENCH BOTTOM MATERIAL. INSTALL AND COMPACT IN 6-INCH MAXIMUM LAYERS.
5. INSTALL AND COMPACT BEDDING IN 6-INCH MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM DEPTH 4 INCH (6 INCH IN ROCK CUTS.)
6. INSTALL AND COMPACT HAUNCHING IN 6-INCH MAXIMUM LAYERS. WORK MATERIAL AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
7. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6 INCH ABOVE PIPE CROWN.
8. EMBEDMENT COMPACTION: MINIMUM DENSITY 85% STANDARD PROCTOR. USE HAND TAMPERS OR VIBRATORY COMPACTORS.
10. EMBEDMENT INCLUDES BEDDING, HAUNCHING, AND INITIAL BACKFILL.

3 CLASS II - PIPE EMBEDMENT DETAIL  
C902 NTS



4 GRAVEL DRIP LINE DETAIL  
C902 NTS



5 CONCRETE APRON DETAIL  
C902 NTS

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GENERAL DETAILS

PROJECT NO.  
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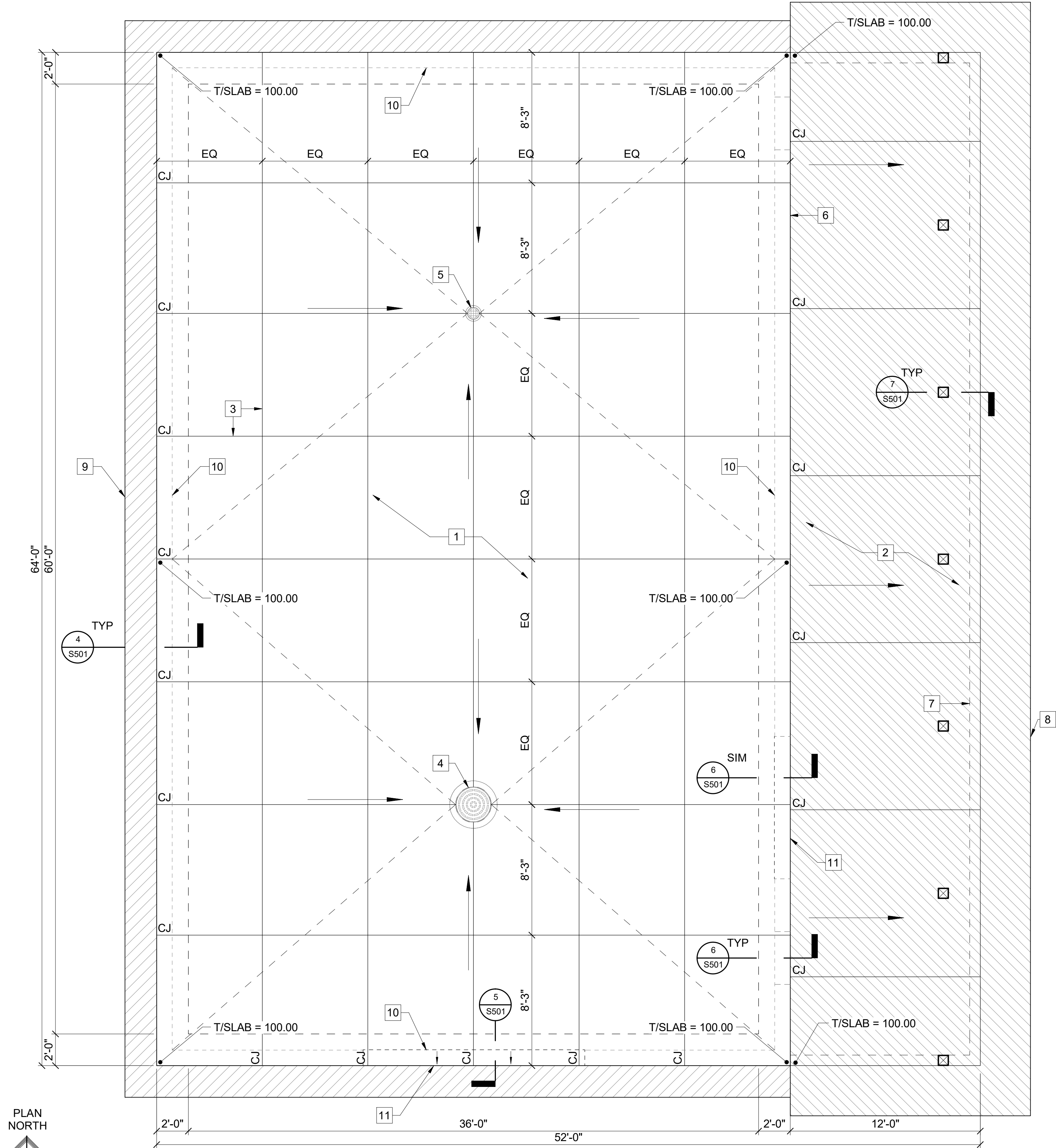


GENERAL FOUNDATION NOTES

- A. SEE SHEET S001 FOR GENERAL FOUNDATION NOTES, AND CONCRETE/REINFORCING NOTES
- B. SEE SHEET S001 FOR DESIGN LOADINGS AND DESIGN STRESSES
- C. FOR ALL MISCELLANEOUS PROCESS MECHANICAL OPENINGS THROUGH FOUNDATION WALLS OR FLOOR SLAB INTERRUPTING TYPICAL REINFORCEMENT, SEE DETAIL 2/S501
- D. POST-FRAMED POLE BUILDING IS BY OTHERS. CONTRACTOR TO SUBMIT BUILDING MANUFACTURER'S REACTIONS AND LATERAL LOAD TRANSFER ANALYSIS TO A/E PRIOR TO FOUNDATION INSTALLATION FOR FOUNDATION DESIGN VERIFICATION. FOUNDATION MAY REQUIRE MODIFICATIONS IF THE BUILDING MANUFACTURER'S DESIGN LOADINGS ARE DIFFERENT FROM WHAT IS SHOWN ON THIS SET OF PLANS. THE CONTRACTOR SHALL CONSTRUCT THE FOUNDATION AND BUILDING WITH THE MODIFICATIONS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. SEE DETAIL 3/S501 FOR TYPICAL POST-FRAMED BASE AT FOUNDATION AND ASSUMED MAXIMUM DESIGN LOAD REACTIONS.

KEYNOTES #

- 1 7" THICK CONCRETE SLAB w/ #4 BARS AT 18" OC EACH WAY OVER VAPOR BARRIER, 8" COMPACTED GRAVEL FILL, AND COMPACTED GRANULAR FILL - SEE DETAIL 4/S501.
- 2 8" THICK CONCRETE SLAB w/ #4 BARS AT 18" OC EACH WAY, OVER RIGID INSULATION, OVER SOIL - SEE DETAILS 6/S501 AND 7/S501
- 3 SLAB CONTROL/CONSTRUCTION JOINT (CJ) LOCATION, TYP - SEE DETAIL 1/S501
- 4 CATCH BASIN LOCATION. SLOPE FLOOR AS SHOWN TOWARDS DRAIN. SEE ARCH AND PLUMBING DRAWINGS FOR LOCATION AND REQUIRED FLOOR SLOPES
- 5 FLOOR DRAIN - SEE ARCHITECTURAL AND PLUMBING SHEETS FOR FLOOR DRAIN LOCATIONS AND REQUIRED FLOOR SLOPES
- 6 1/2" RIGID INSULATION w/ REMOVABLE CAP AND SELF-LEVELING SEALANT AT PERIMETER OF SLAB-SLAB JOINT, TYP
- 7 EXTERIOR COLUMN THICKENED SLAB EDGE, TYP
- 8 HATCH PATTERN INDICATES EXTENT OF RIGID BOARD INSULATION UNDER EXTERIOR CONCRETE SLAB - SEE DETAIL 7/S501 - EXTENT OF INSULATION SHOWN FOR REFERENCE. SEE ARCH'L FOR INFORMATION REGARDING INSULATION
- 9 HATCH PATTERN INDICATES EXTENT OF RIGID BOARD INSULATION BELOW GRADE OUTSIDE BUILDING FOUNDATION - EXTENT OF INSULATION SHOWN FOR REFERENCE. SEE ARCH'L FOR INFORMATION REGARDING INSULATION
- 10 DASHED LINES INDICATE WALL INSTALLED ON TOP OF THICKENED SLAB, TYP
- 11 OVERHEAD DOOR OPENING - SEE DETAIL 5/S501



FOUNDATION PLAN

1/4" = 1'-0" (22"x34") 0 2 4 8  
1/8" = 1'-0" (11"x17")

PROJECT DATE:	OCTOBER 21, 2025	DRAWN BY:	JRG	DESIGNED BY:	DMG	CHECKED BY:	ECA



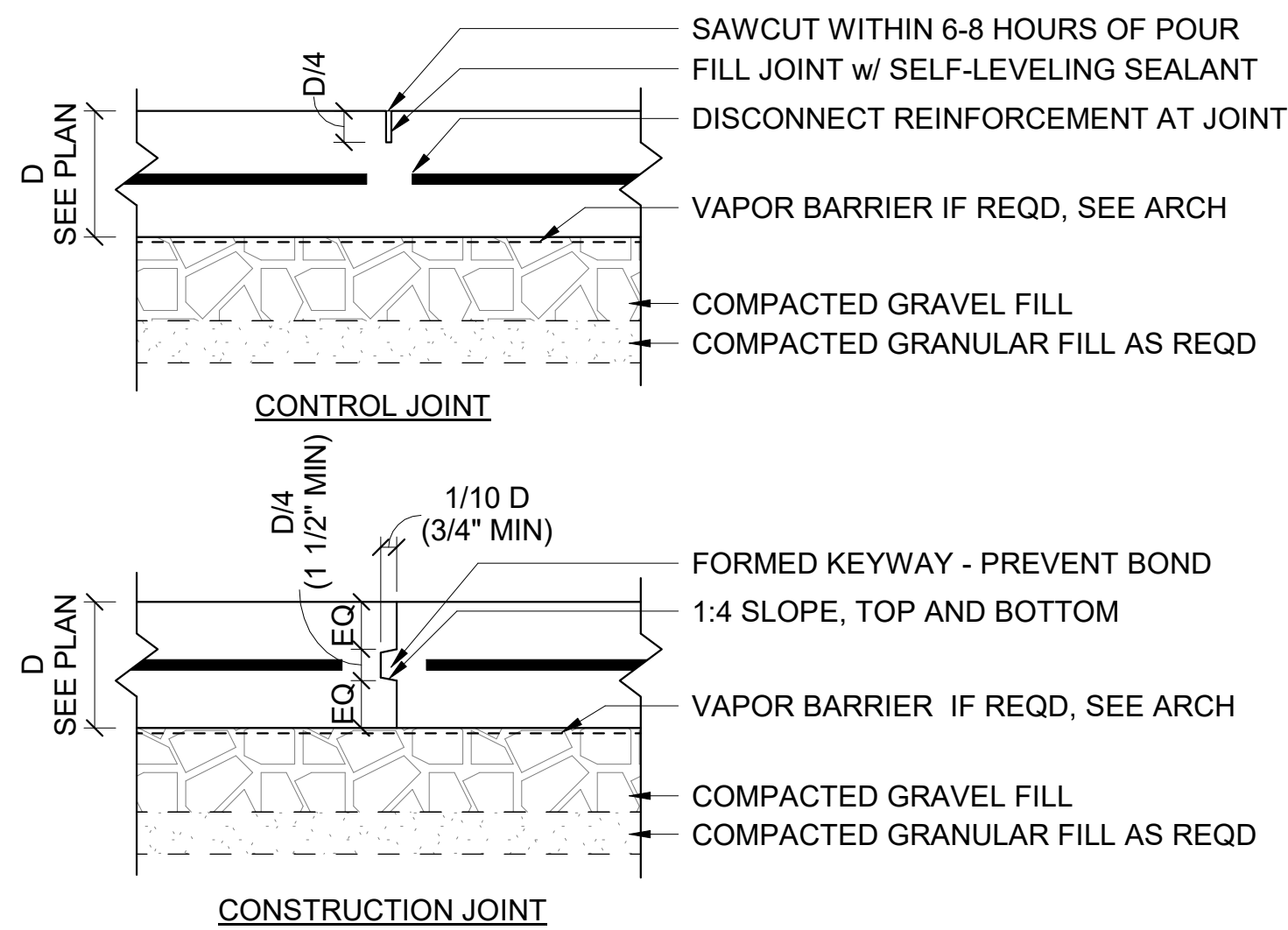
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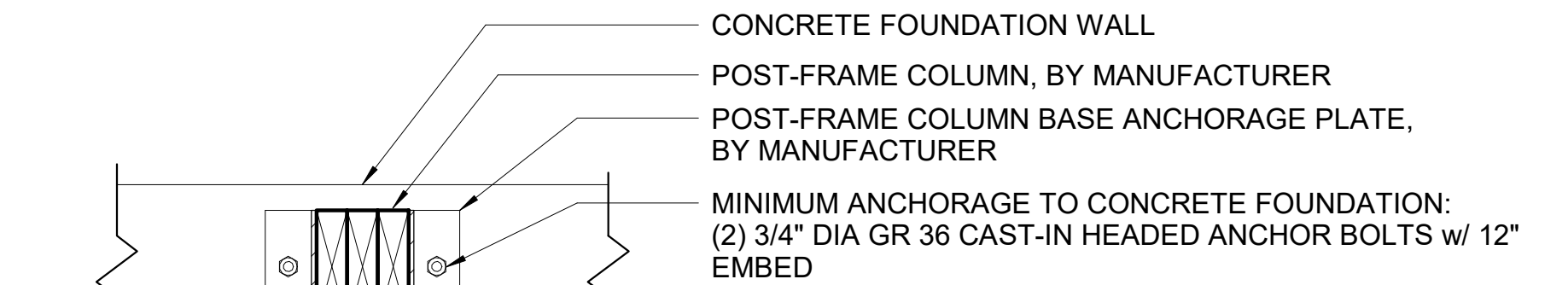
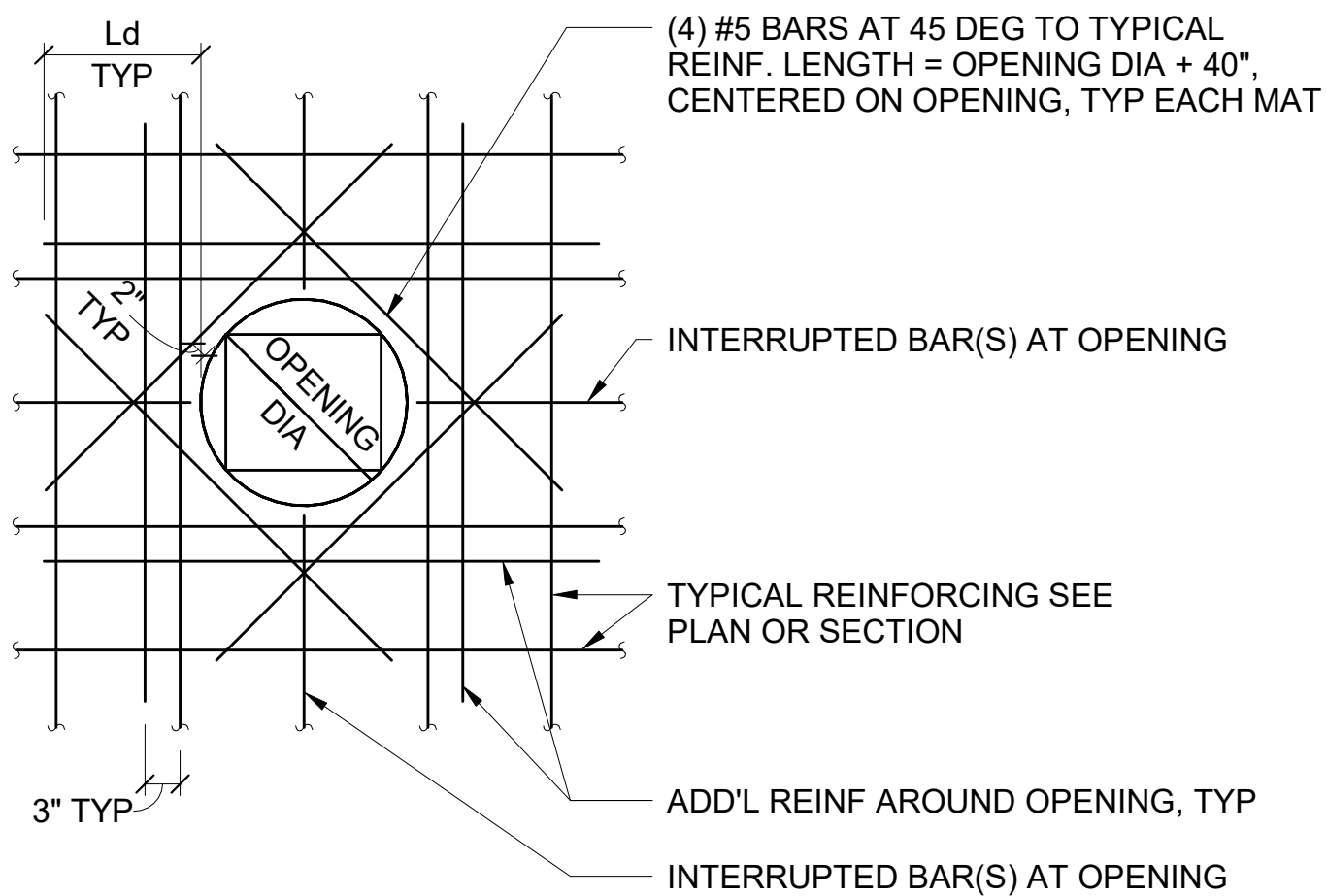
FOUNDATION PLAN

PROJECT NO.  
05056005  
SHEET  
S101





NOTES:  
1. ADDITIONAL REINFORCING SIM AT RECTANGULAR OPENINGS, UNO.  
2. PROVIDE ADD'L REINF OF THE SAME SIZE AS THE INTERRUPTED BARS. (1) ADD'L VERT BAR IS ADDED TO EACH SIDE OF THE OPENING FOR EACH INTERRUPTED VERT BAR, SIMILAR FOR HORIZ BARS.  
3. ADD'L REINF MAY TERMINATE WITH A STD HOOK WHERE WALL OR SLAB LENGTH DOES NOT ALLOW BAR TO EXTEND AS SHOWN. OTHERWISE, EXTEND BAR A FULL DEVELOPMENT LENGTH (Ld) PAST OPENING.



**ASSUMED MAXIMUM DESIGN LOADS FOR FOUNDATION DESIGN AND ANCHORAGE TO FOUNDATION**

A. UPLIFT: 1.3 KIPS WIND (ULTIMATE) PER MINIMUM (1) 8'-0" BAY

B. EXTERIOR WALL AXIAL (COMPRESSION): 4.1 KIPS DEAD (UNFACTORED) PER 8'-0" BAY

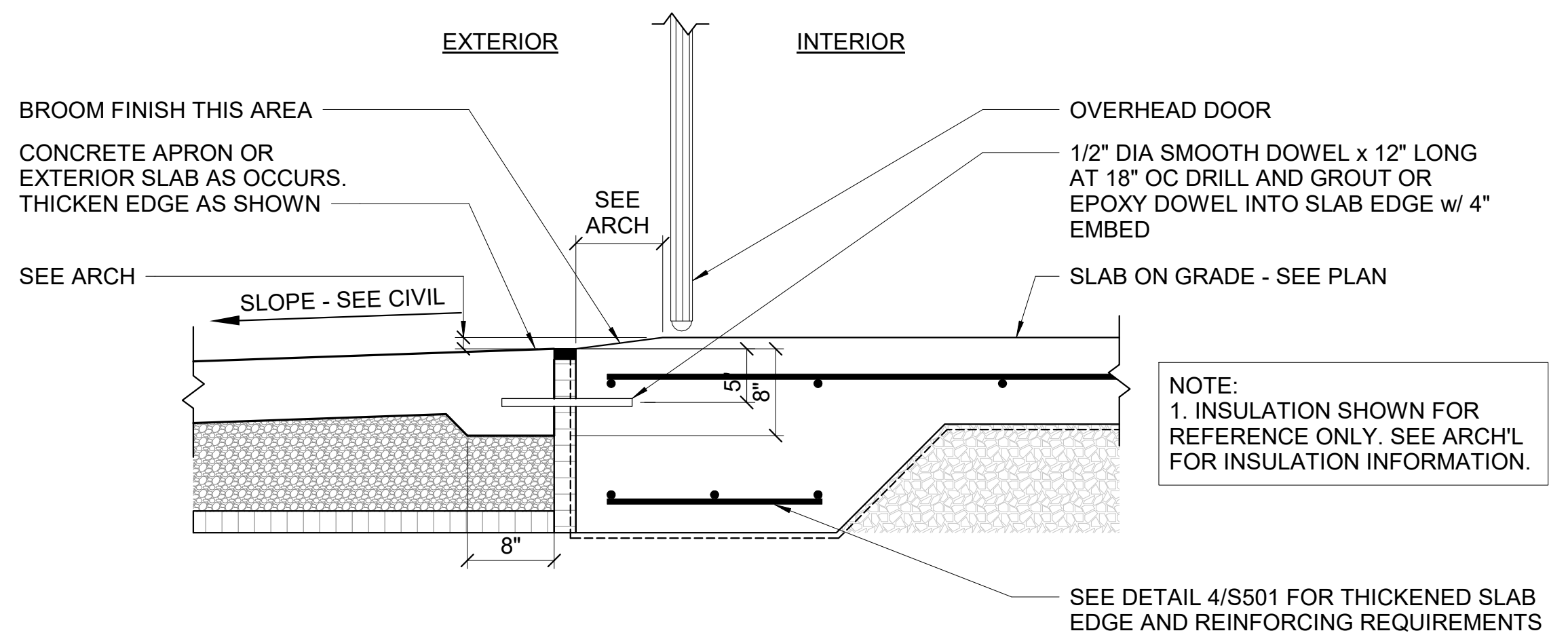
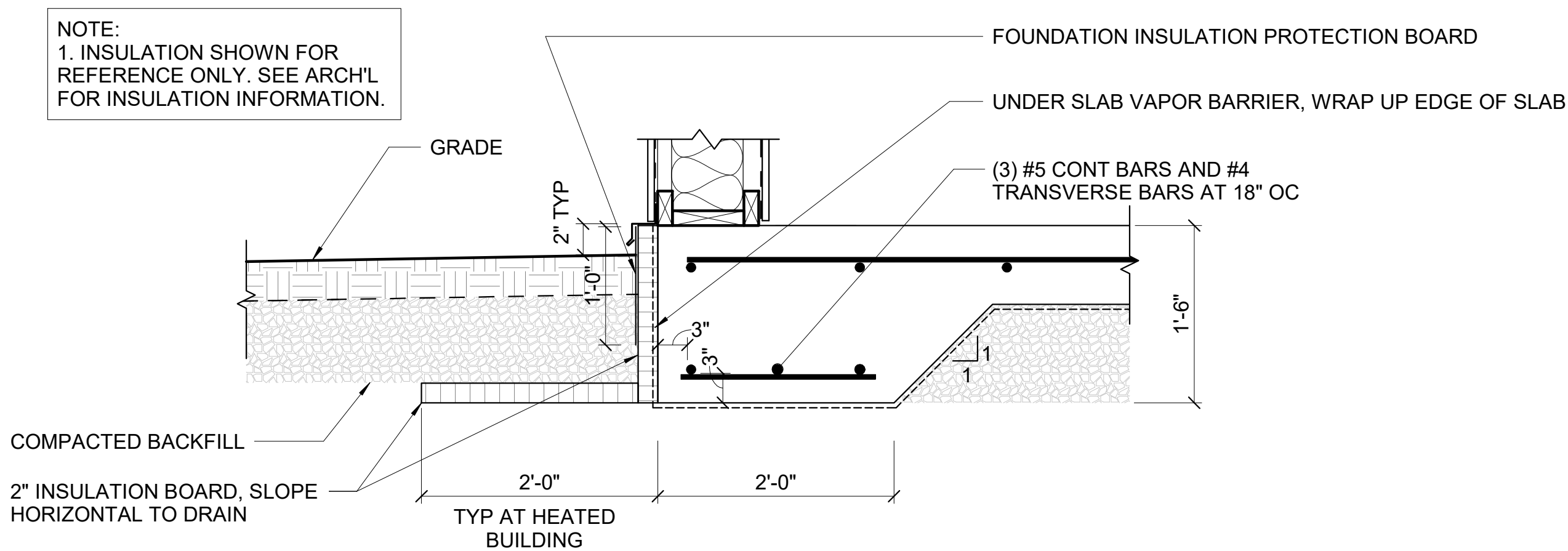
C. OUT-OF-PLANE LATERAL: 2.8 KIPS WIND (ULTIMATE) PER 8'-0" BAY

NOTE:  
1. FINAL POST-FRAME REACTIONS AND CONNECTIONS TO BE DESIGNED AND PROVIDED BY THE POST-FRAME BUILDING MANUFACTURER.  
2. POST-FRAMED POLE BUILDING ANCHORAGE TO CONCRETE WALLS IS BY OTHERS. CONTRACTOR TO COORDINATE BUILDING ANCHOR INSTALLATION WITH CONCRETE REINFORCEMENT LOCATIONS.

1 **TYPICAL INTERIOR SLAB-ON-GRADE CJ DETAIL**  
S501 NOT TO SCALE

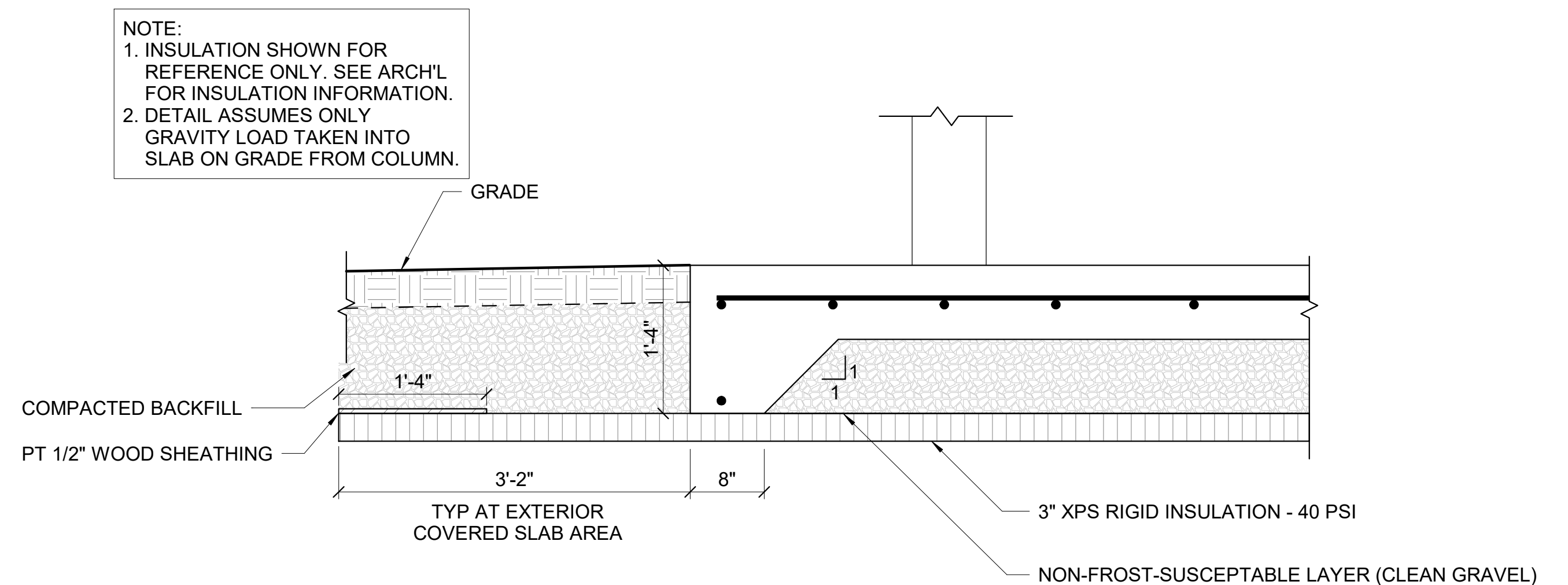
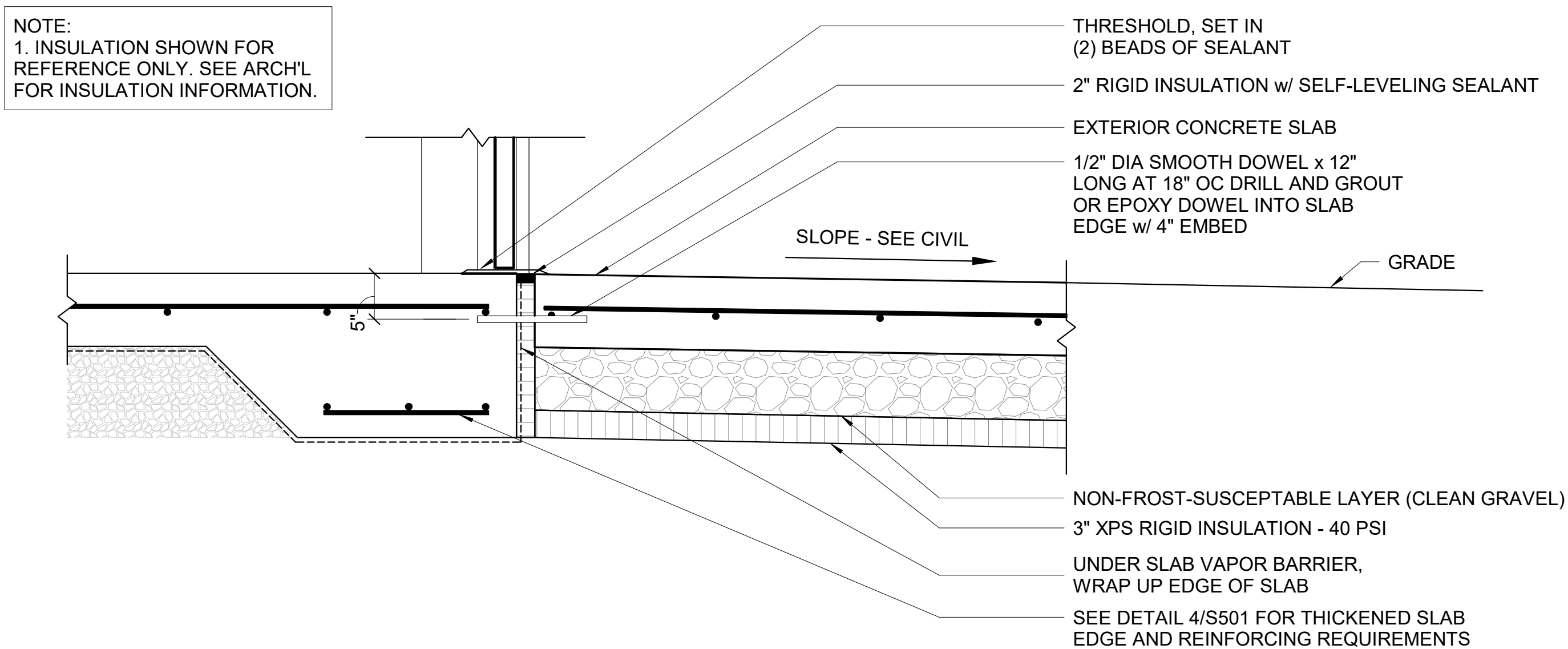
2 **ADDITIONAL REINFORCING AT CONCRETE WALL AND SLAB OPENINGS**  
S501 NOT TO SCALE

3 **POST FRAME BASE DETAIL**  
S501 NOT TO SCALE



4 **TYP SLAB EDGE DETAIL**  
S501 NOT TO SCALE

5 **OVERHEAD DOOR SILL DETAIL AT END WALL**  
S501 NOT TO SCALE



6 **TYPICAL EXTERIOR SLAB AT INTERIOR SLAB (SIMILAR AT OH DOOR AT SIDE WALL)**  
S501 NOT TO SCALE

7 **TYP SLAB EDGE DETAIL**  
S501 NOT TO SCALE

PLOT DATE: 10/20/2025 3:01:28  
Project: 05056005 - Adams County Castle Rock Maintenance Bldg, Structural Detail  
Drawing: 05056005-02 - Adams County Castle Rock Maintenance Bldg, Structural Detail

PROJECT DATE:	OCTOBER 21, 2025	DRAWN BY:	JRG	DESIGNED BY:	DMG	CHECKED BY:	ECA	No	DATE	REVISIONS	BY



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ADAMS COUNTY  
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**STRUCTURAL DETAILS**

PROJECT NO.  
05056005

SHEET  
S501

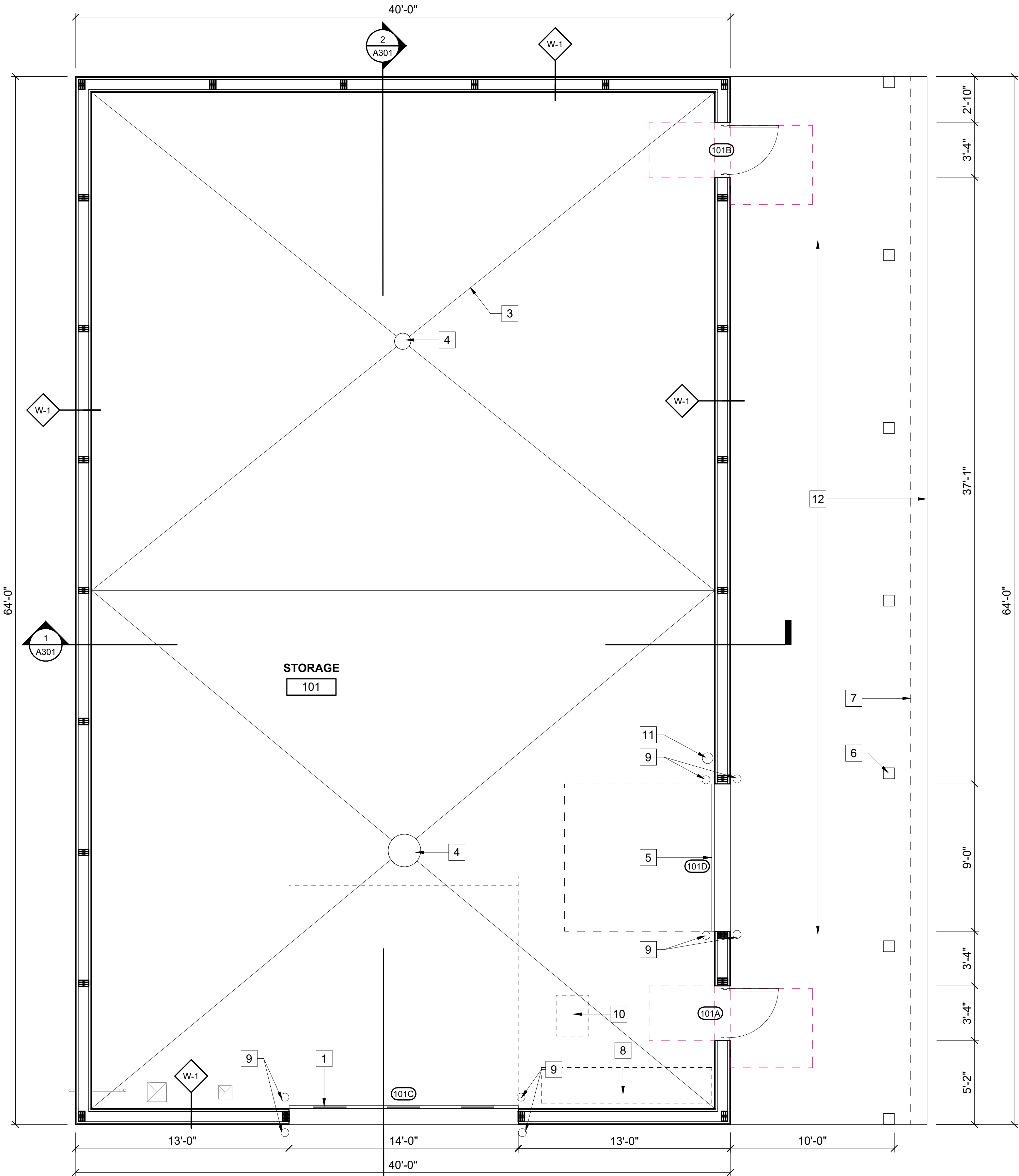


GENERAL NOTES

- A. ALL DIMENSIONING IS TO FACE OF STUD, FRAMING OR CONCRETE.
- B. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
- C. THE CONTRACT DOCUMENTS CONSIST OF THE SPECIFICATION MANUAL AND DRAWINGS WHICH ARE INTENDED TO BE COMPLEMENTARY AND TO BE USED IN CONJUNCTION WITH ONE ANOTHER.
- D. IF DISCREPANCIES OCCUR BETWEEN THE SPECIFICATION MANUAL AND THE DRAWINGS, NOTIFY THE ARCHITECT FOR A RESOLUTION.
- E. SLOPE FLOOR SLABS TO FLOOR DRAINS. SEE FOUNDATION PLAN AND COORDINATE WITH PLUMBING DRAWINGS. (MAX FLOOR SLOPE 1/4" PER FT).
- F. BUILDING MANUFACTURER/SUPPLIER TO PROVIDE STRUCTURAL MEMBERS FOR SUPPORTING ROOF HUNG HVAC EQUIPMENT AND LIGHTING.
- G. CONTRACTOR TO COORDINATE STRUCTURAL, ARCHITECTURAL, HVAC, AND PLUMBING PLANS FOR DETAILS, DIMENSIONS, ELEVATIONS, OPENINGS, INSERTS, ETC. NOTIFY ARCHITECT OF ANY VARIANCE BEFORE COMMENCING CONSTRUCTION.
- H. IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE, UNLESS APPROVED BY THE ENGINEER.

KEY NOTES #

- 1 GARAGE OVERHEAD DOOR
- 3 FLOOR AREA SLOPES
- 4 GARAGE FLOOR DRAIN OR CATCH BASIN - SEE PLUMBING
- 5 SECONDARY GARAGE DOOR
- 6 WOOD COLUMNS
- 7 OVERHANG ABOVE
- 8 WORK BENCH (BY OWNER)
- 9 BOLT DOWN BOLLARDS, SEE DETAIL 4/A502
- 10 ATTIC ACCESS HATCH, SEE DETAIL 5/A502
- 11 SURFACE MOUNTED FIRE EXTINGUISHER
- 12 INSULATED CONCRETE SLAB - SEE STRUCTURAL



FLOOR PLAN

1/4" = 1'-0" (22"x34")  
1/8" = 1'-0" (11"x17")



PLOT DATE: 10/21/2025 10:56:41 Autodesk Civil 3D 2025 Adams County Castle Rock Maintenance Bldg 05056005 Castle Rock Maintenance Building\_ARCH\_A101.dwg

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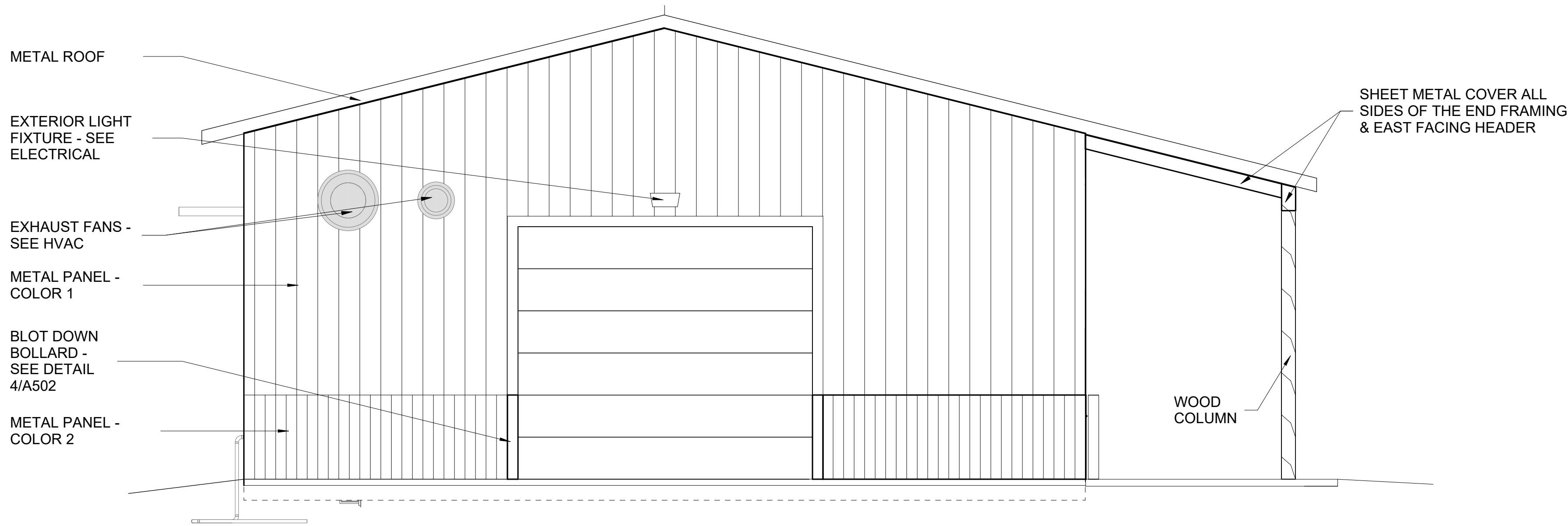
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FLOOR PLAN

PROJECT NO. 05056005
SHEET A101

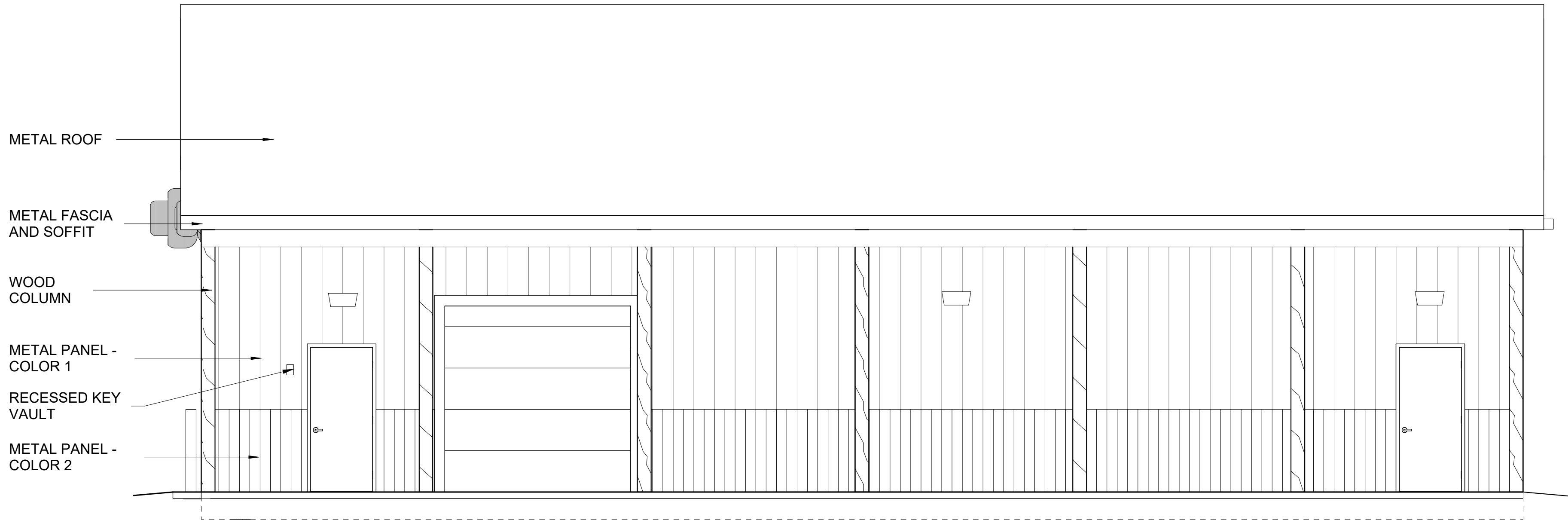


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**1 SOUTH EXTERIOR BUILDING ELEVATION**

A201 1/4" = 1'-0" (22"x34") 0 2 4 8  
1/8" = 1'-0" (11"x17")



**2 EAST EXTERIOR BUILDING ELEVATION**

A201 1/4" = 1'-0" (22"x34") 0 2 4 8  
1/8" = 1'-0" (11"x17")

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**EXTERIOR ELEVATIONS**

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A201



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SHEET METAL COVER ALL  
SIDES OF THE END FRAMING  
& EAST FACING HEADER

INTAKE LOUVER - SEE HVAC

METAL ROOF

METAL PANEL - COLOR 1

METAL PANEL - COLOR 2

**1 NORTH EXTERIOR BUILDING ELEVATION**  
A202 1/4" = 1'-0" (22"x34") 0 2 4 8  
1/8" = 1'-0" (11"x17")

METAL ROOF

METAL FASCIA  
AND SOFFIT

METAL PANEL - COLOR 1

METAL PANEL - COLOR 2

**2 WEST EXTERIOR BUILDING ELEVATION**  
A202 1/4" = 1'-0" (22"x34") 0 2 4 8  
1/8" = 1'-0" (11"x17")

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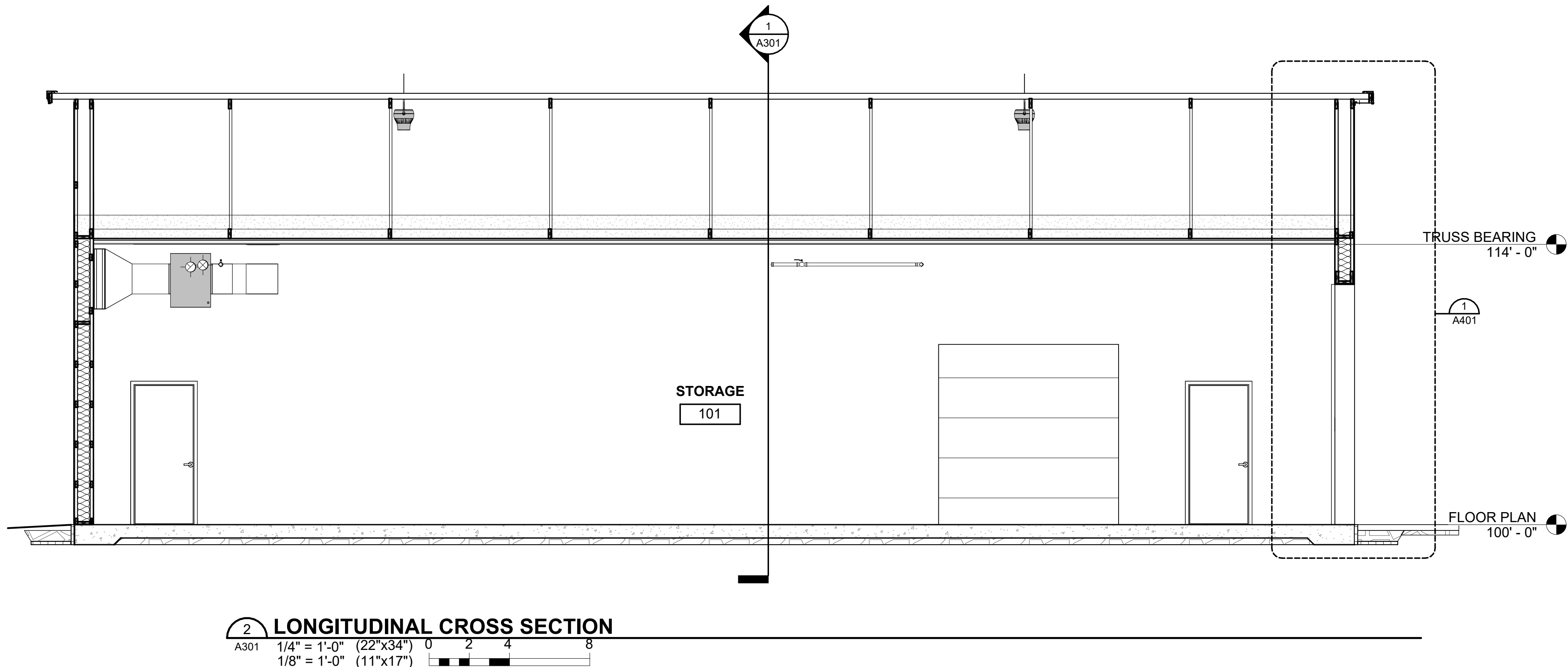
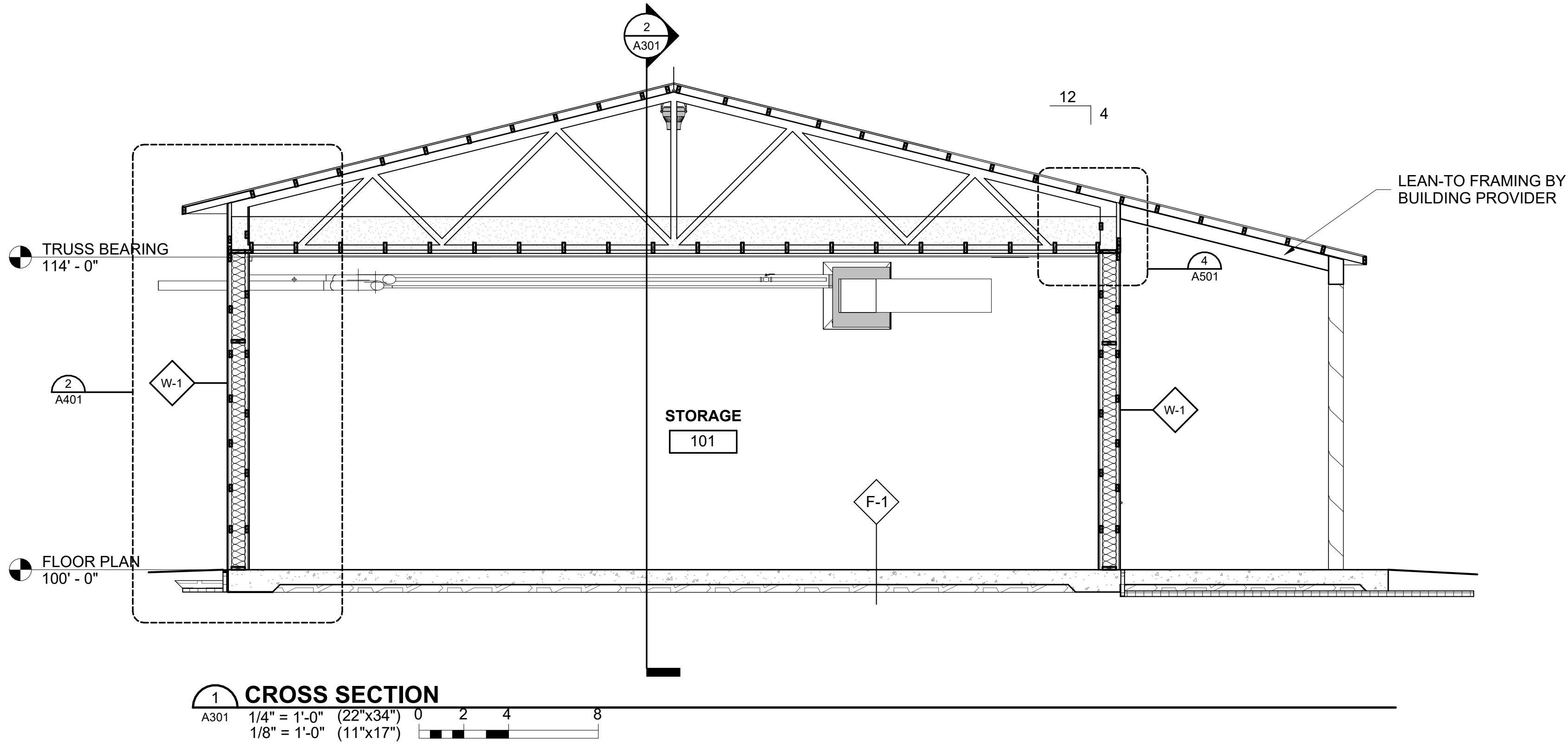
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**EXTERIOR ELEVATIONS**

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SHEET  
A202





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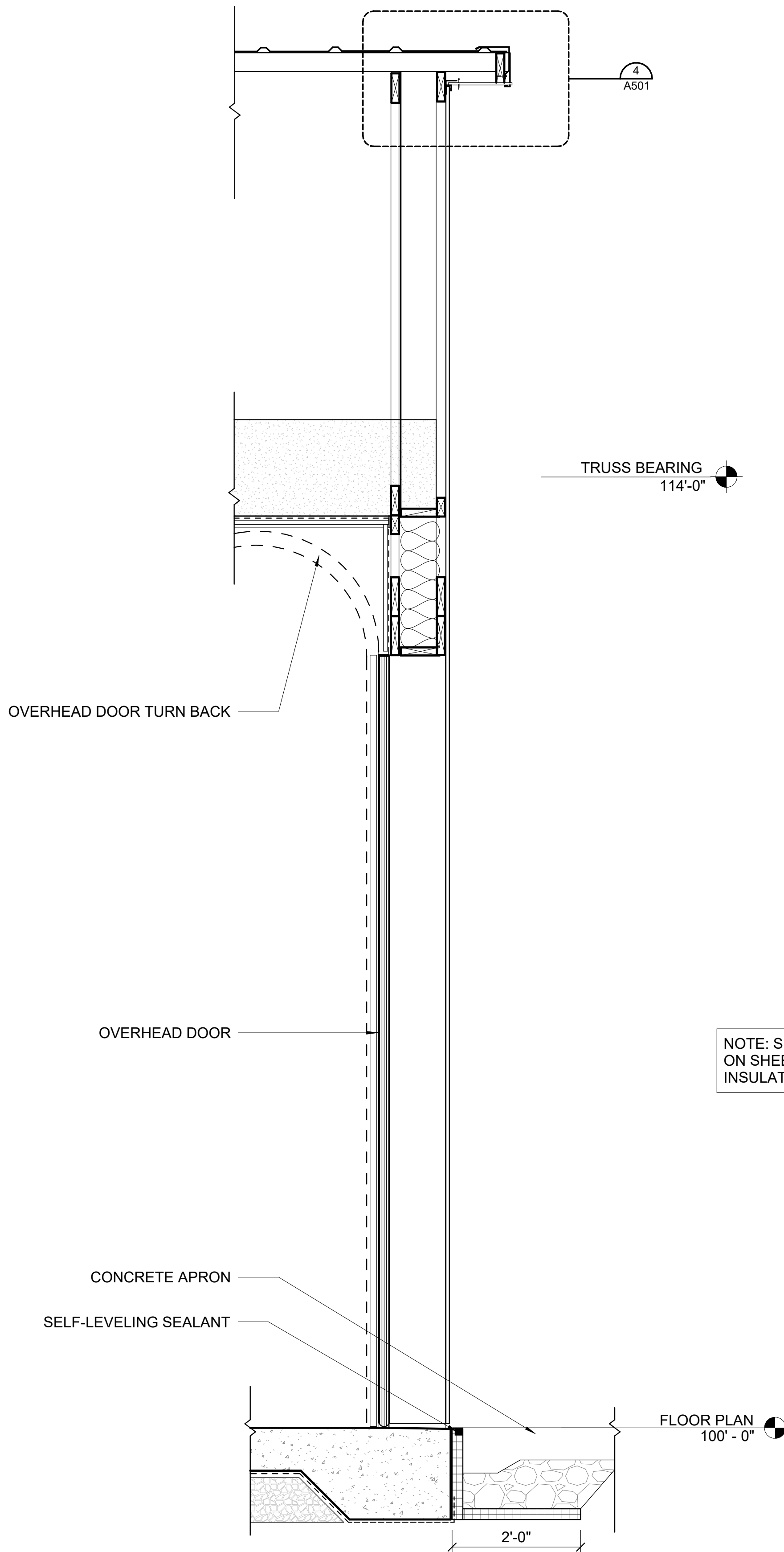
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**BUILDING SECTIONS**

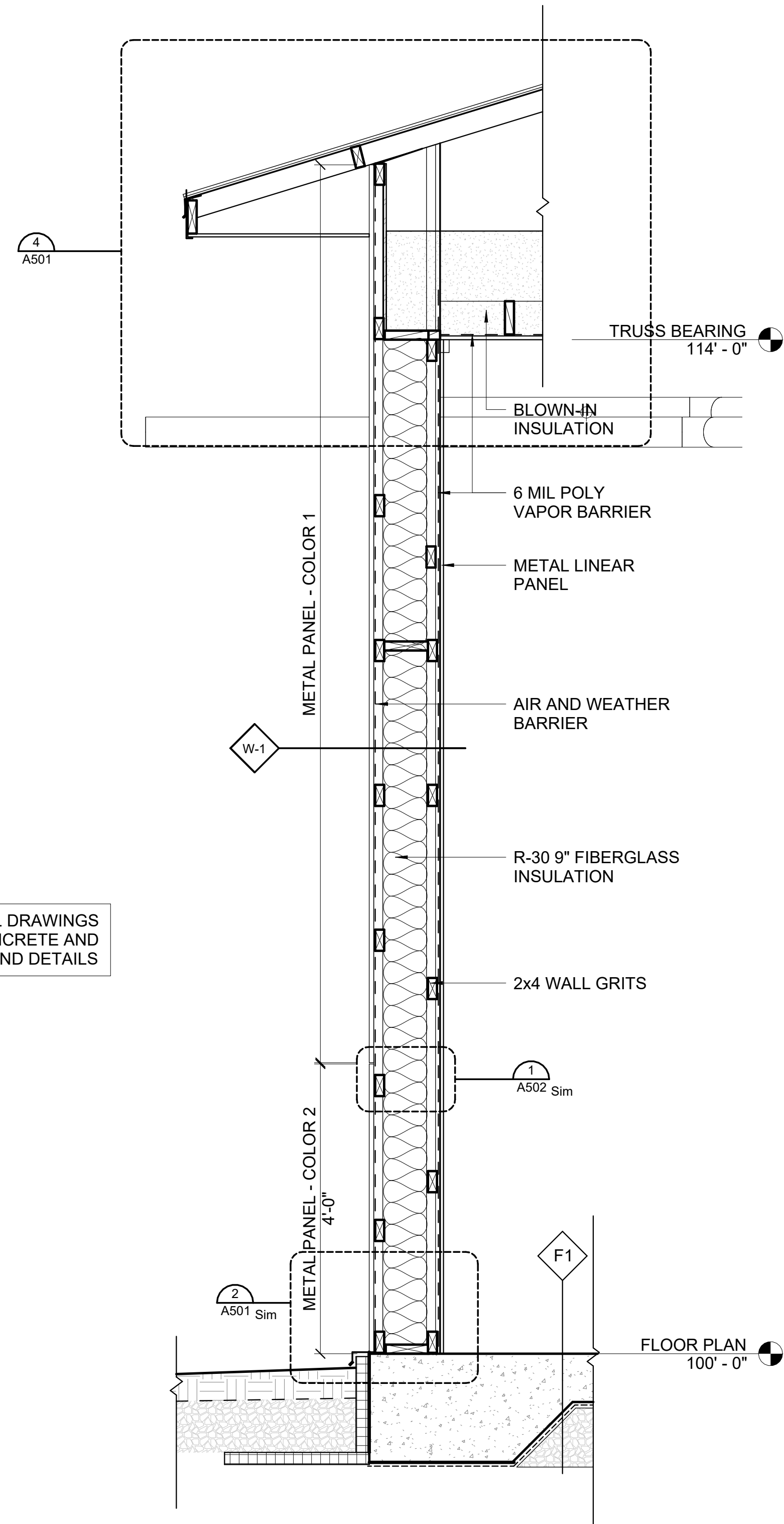
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A301



10/21/2025 10:56:42 Autodesk Civil 3D 2025 Adams County Castle Rock Maintenance Bldg 05056005 Castle Rock Maintenance Building\_A401\_R01.dwg



1 WALL SECTION AT OVERHEAD DOOR  
A401 3/4" = 1'-0" (22"x34") 0 6" 1' 2' 3'  
3/8" = 1'-0" (11"x17")



2 TYP EAVE WALL SECTION  
A401 3/4" = 1'-0" (22"x34") 0 6" 1' 2' 3'  
3/8" = 1'-0" (11"x17")

NOTE: SEE STRUCTURAL DRAWINGS  
ON SHEET S501 FOR CONCRETE AND  
INSULATION PROFILES AND DETAILS

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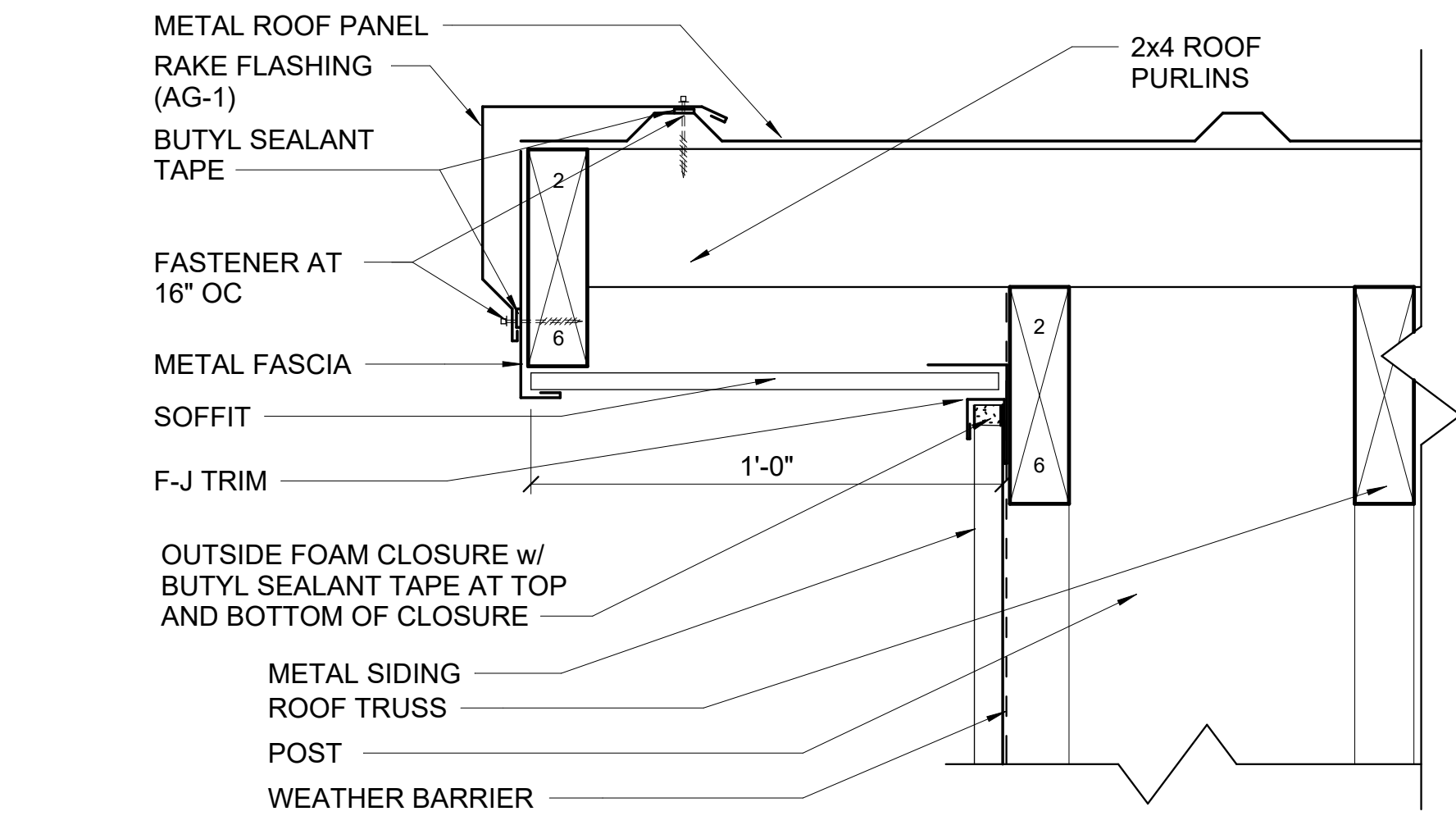
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**WALL SECTIONS**

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SHEET  
A401

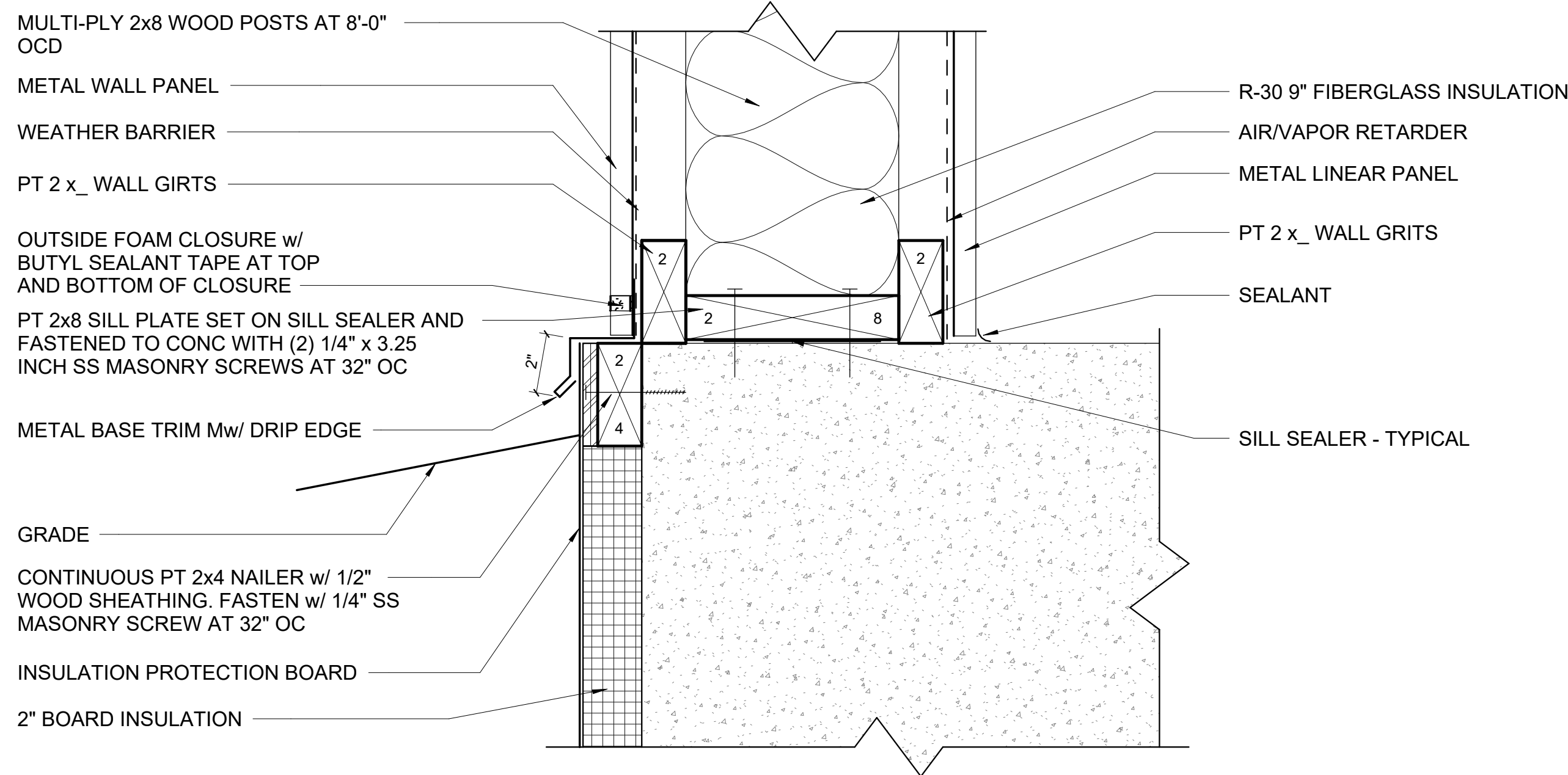


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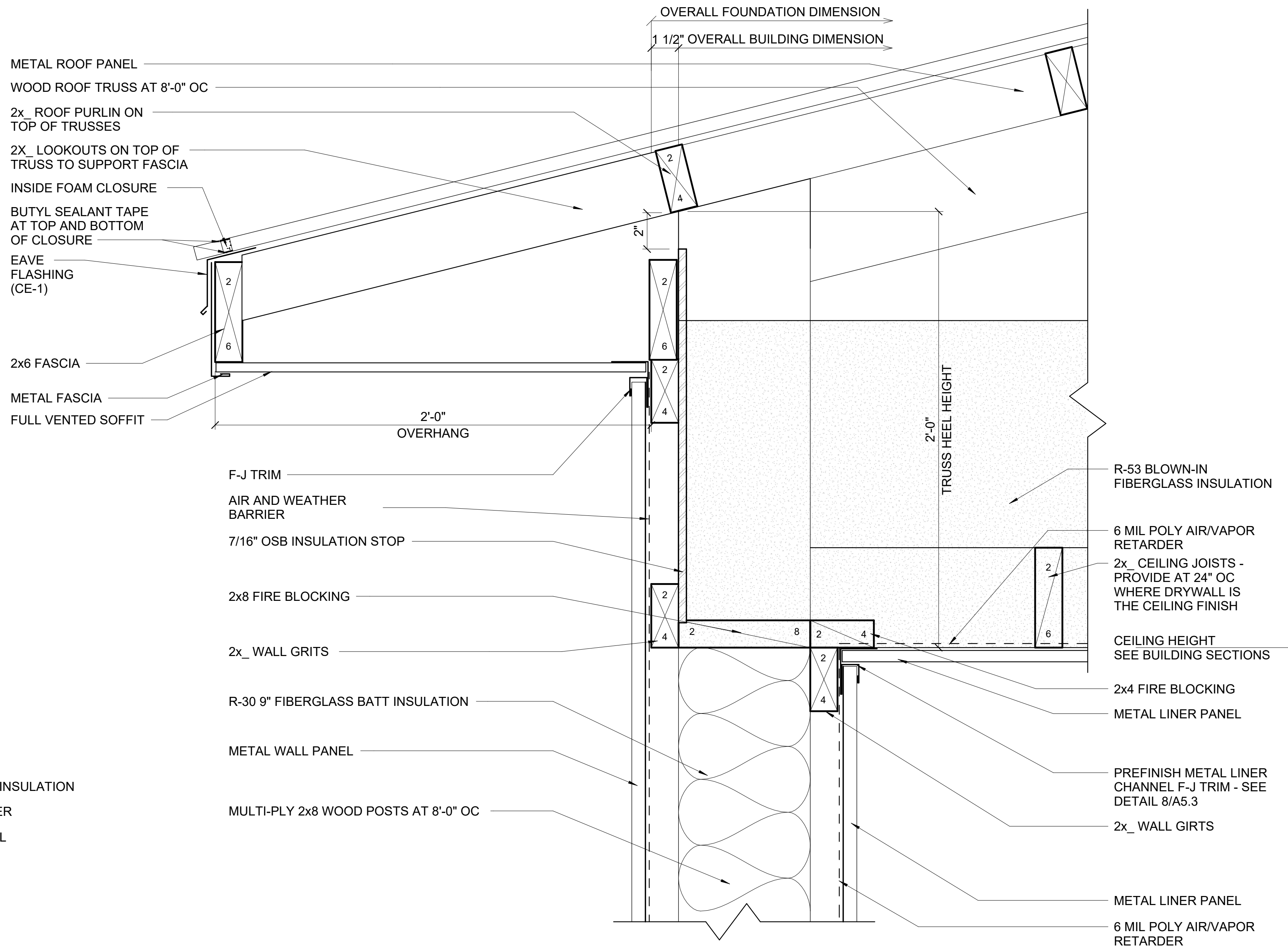
**1 RAKE DETAIL**

A501 3" = 1'-0" (22"x34") 0 1 1/2" 3" 6" 9"  
1 1/2" = 1'-0" (11"x17")



**2 TYPICAL BASE OF WALL DETAIL**

A501 3" = 1'-0" (22"x34") 0 1 1/2" 3" 6" 9"  
1 1/2" = 1'-0" (11"x17")



**4 EAVE DETAIL**

A501 3" = 1'-0" (22"x34") 0 1 1/2" 3" 6" 9"  
1 1/2" = 1'-0" (11"x17")



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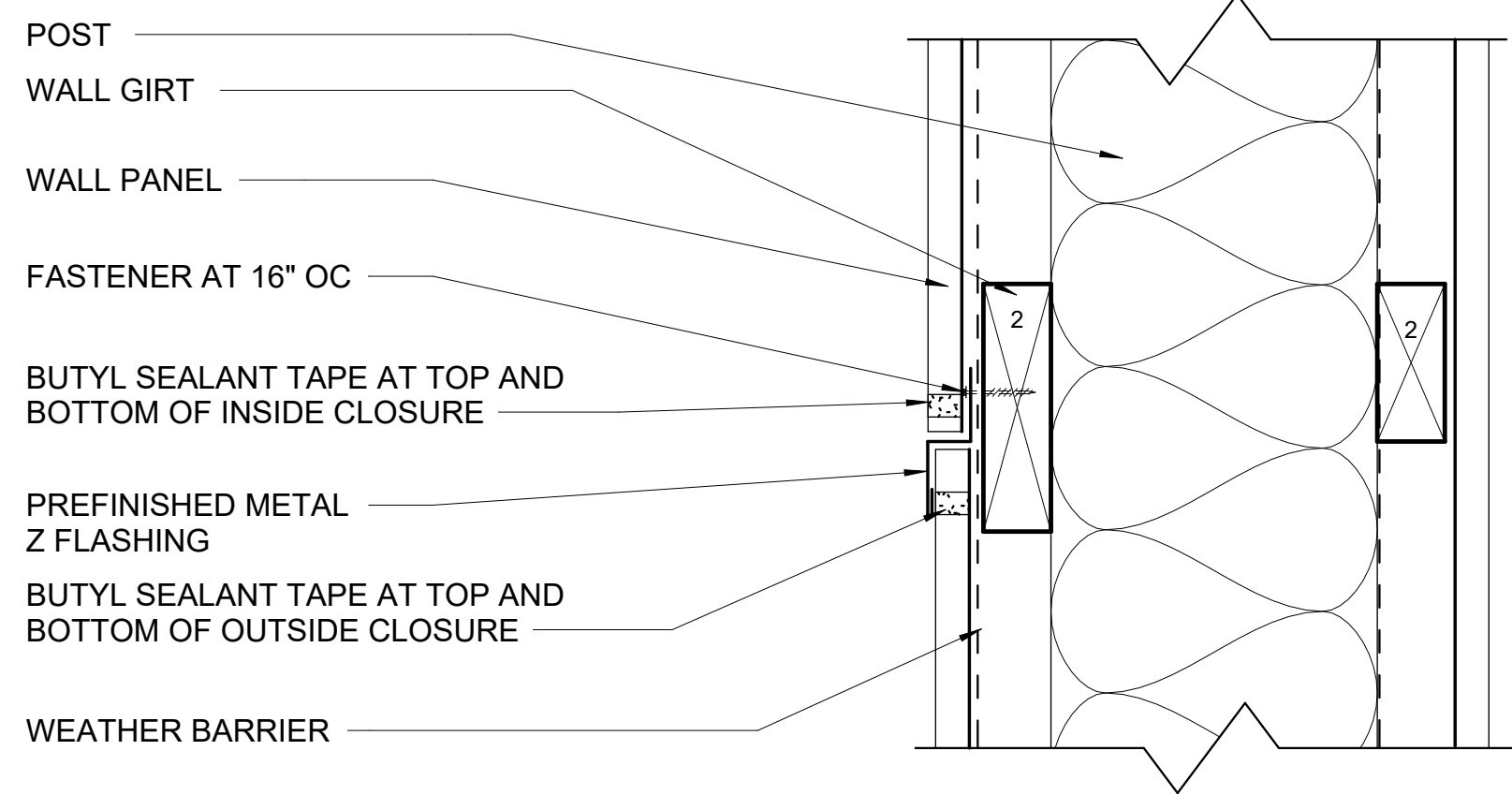
ARCHITECTURAL DETAILS

PROJECT NO.  
05056005

SHEET  
A501

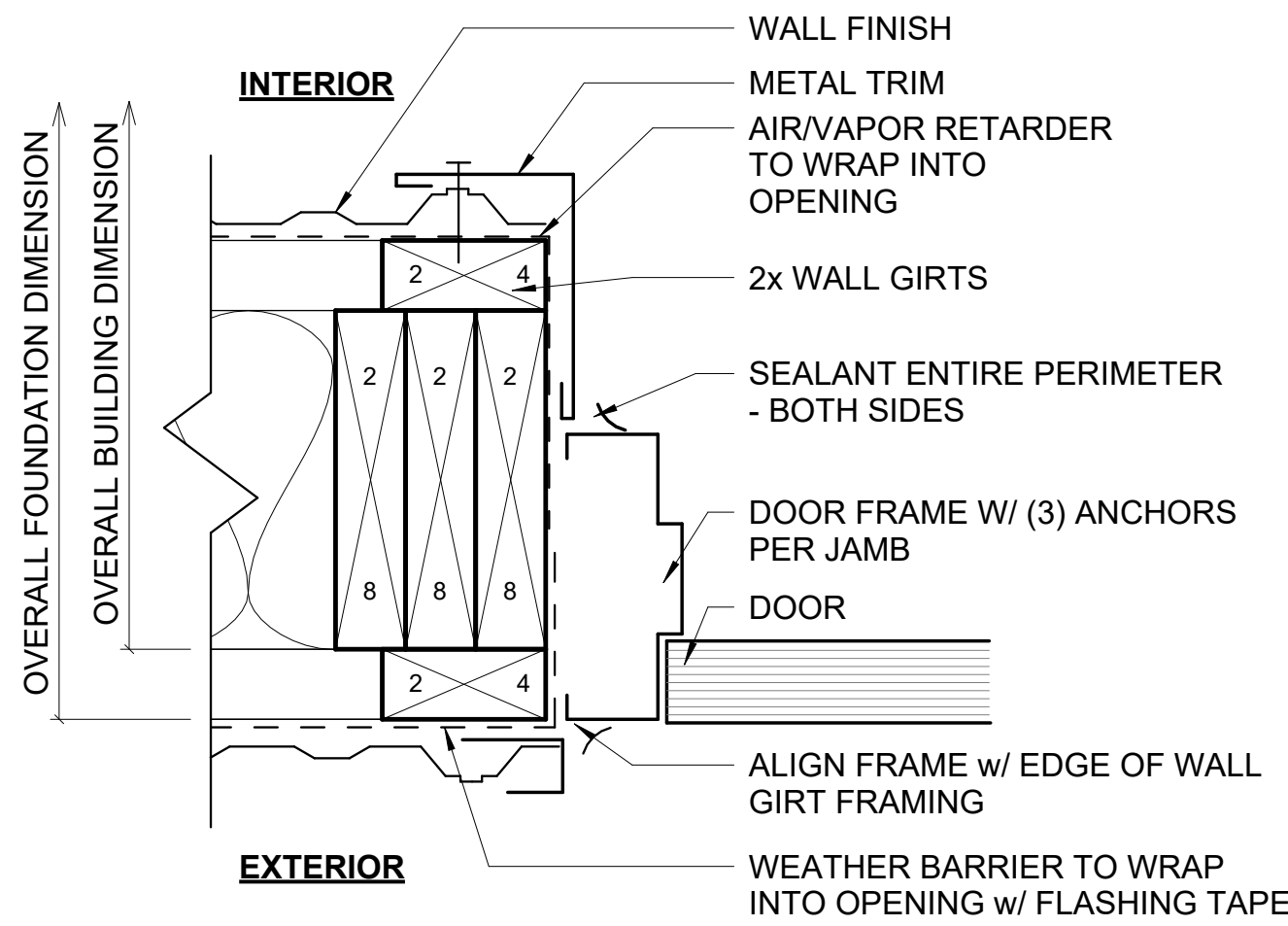


PLOT DATE: 10/2/2025 10:56:42 Autodesk Docs:05056005\_Adams County Castle Rock Maintenance Shed (05056005 Castle Rock Maintenance Building\_A502).Rvt 04



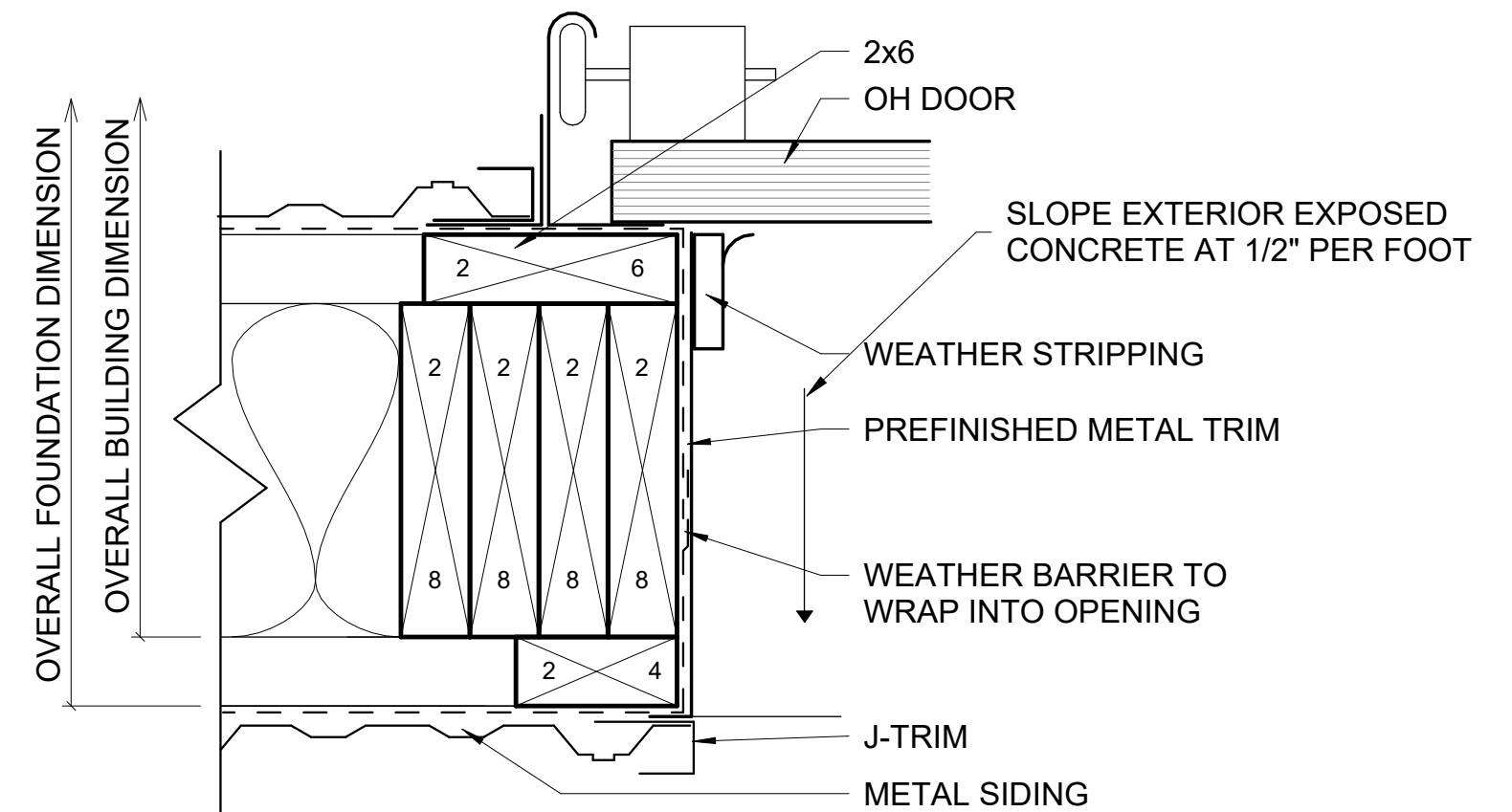
1 EXTERIOR WALL PANEL TRANSITION DETAIL

A502 3" = 1'-0" (22"x34") 0 1 1/2" 3" 6" 9" 1 1/2" = 1'-0" (11"x17")



2 EXTERIOR DOOR JAMB DETAIL - HEAD SIM

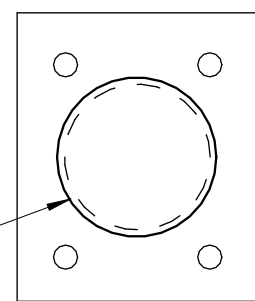
A502 3" = 1'-0" (22"x34") 0 1 1/2" 3" 6" 9" 1 1/2" = 1'-0" (11"x17")



3 OH DOOR JAMB DETAIL - HEAD SIM

A502 3" = 1'-0" (22"x34") 0 1 1/2" 3" 6" 9" 1 1/2" = 1'-0" (11"x17")

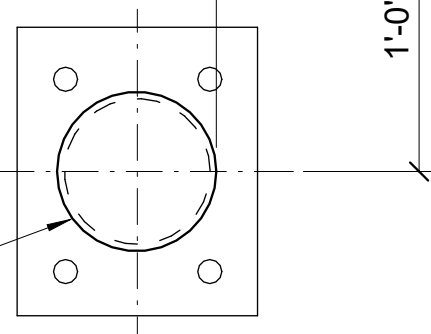
6" x 42" BOLT DOWN PIPE BOLLARD AT THE INTERIOR SIDE OF ALL OVERHEAD DOORS



DOOR

BUILDING WALL

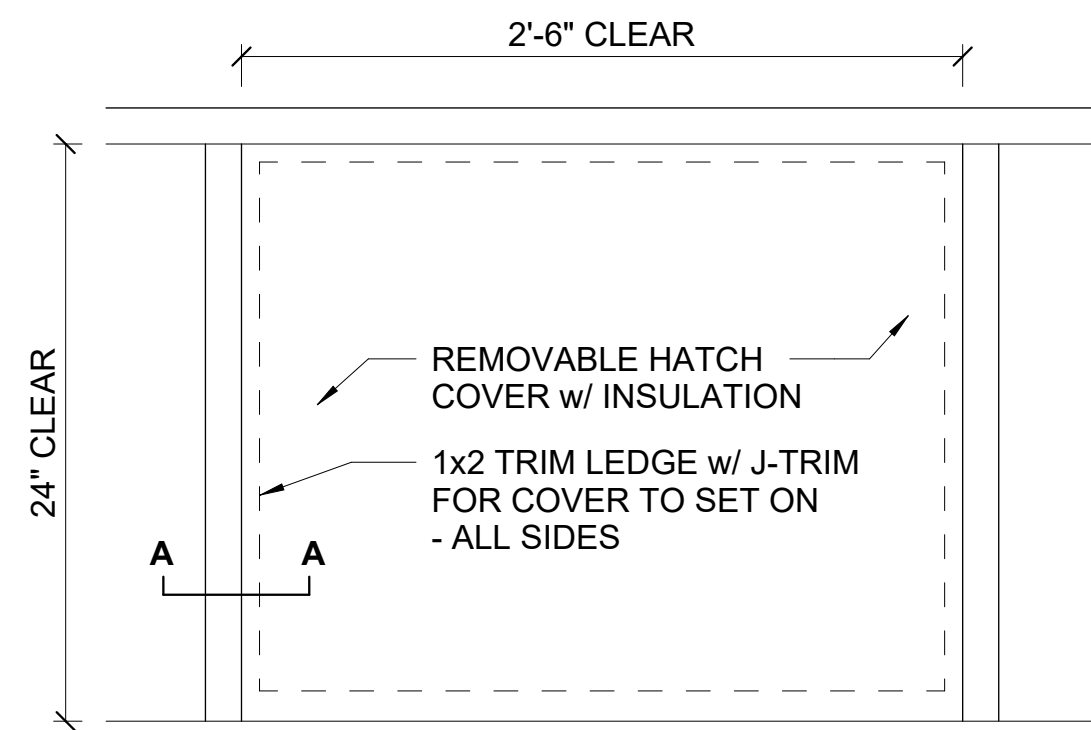
6" x 42" BOLT DOWN PIPE BOLLARD AT THE EXTERIOR SIDE OF ALL OVERHEAD DOORS



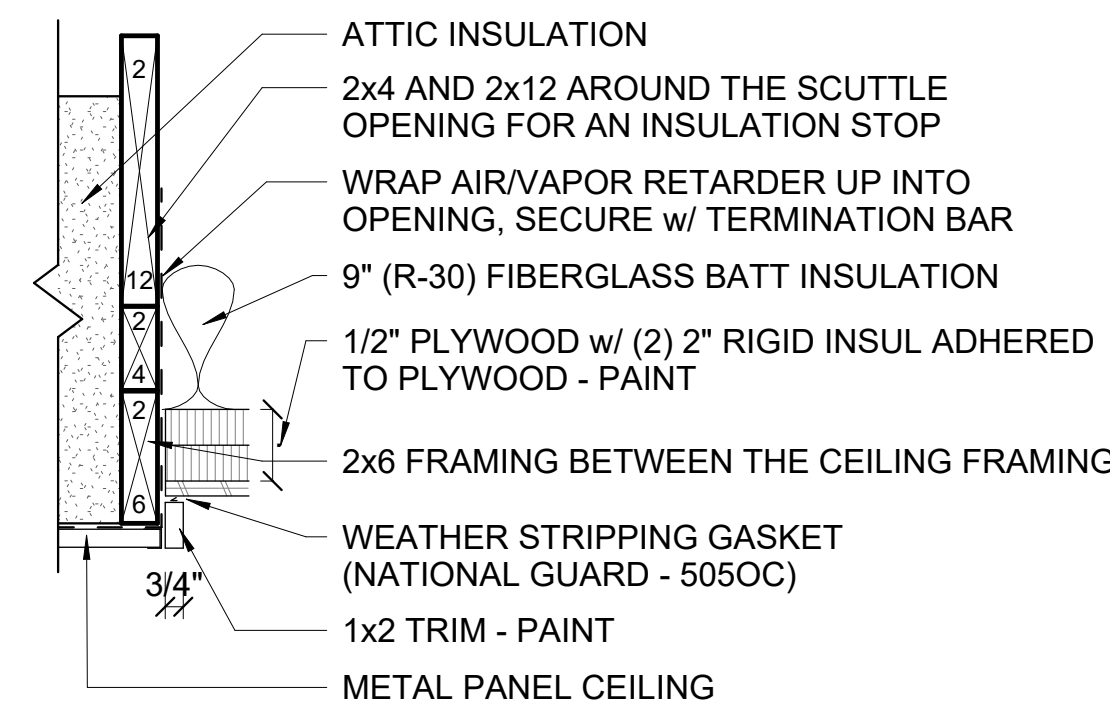
PLAN VIEW

4 BOLLARD DETAIL

A502 NTS



PLAN VIEW



SECTION A-A

5 ATTIC ACCESS HATCH

A502 NTS

PROJECT DATE:	OCTOBER 21, 2025	DRAWN BY:	CKW	DESIGNED BY:	ECA	CHECKED BY:	ECA	No	DATE	REVISIONS	BY



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ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE BLDG

ADAMS COUNTY  
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ARCHITECTURAL DETAILS

PROJECT NO.  
05056005  
SHEET  
A502



PLOT DATE: 10/2/2025 10:56:43  
 Autodesk Docs: 05056005 - Adams County Castle Rock Maintenance Shed (05056005 Castle Rock Maintenance Building\_A601\_20x14)

DOOR SCHEDULE

GENERAL NOTES

A. JAMB SEAL (WEATHERSTRIPPING AT JAMBS AND HEAD) SHALL BE CONTINUOUS

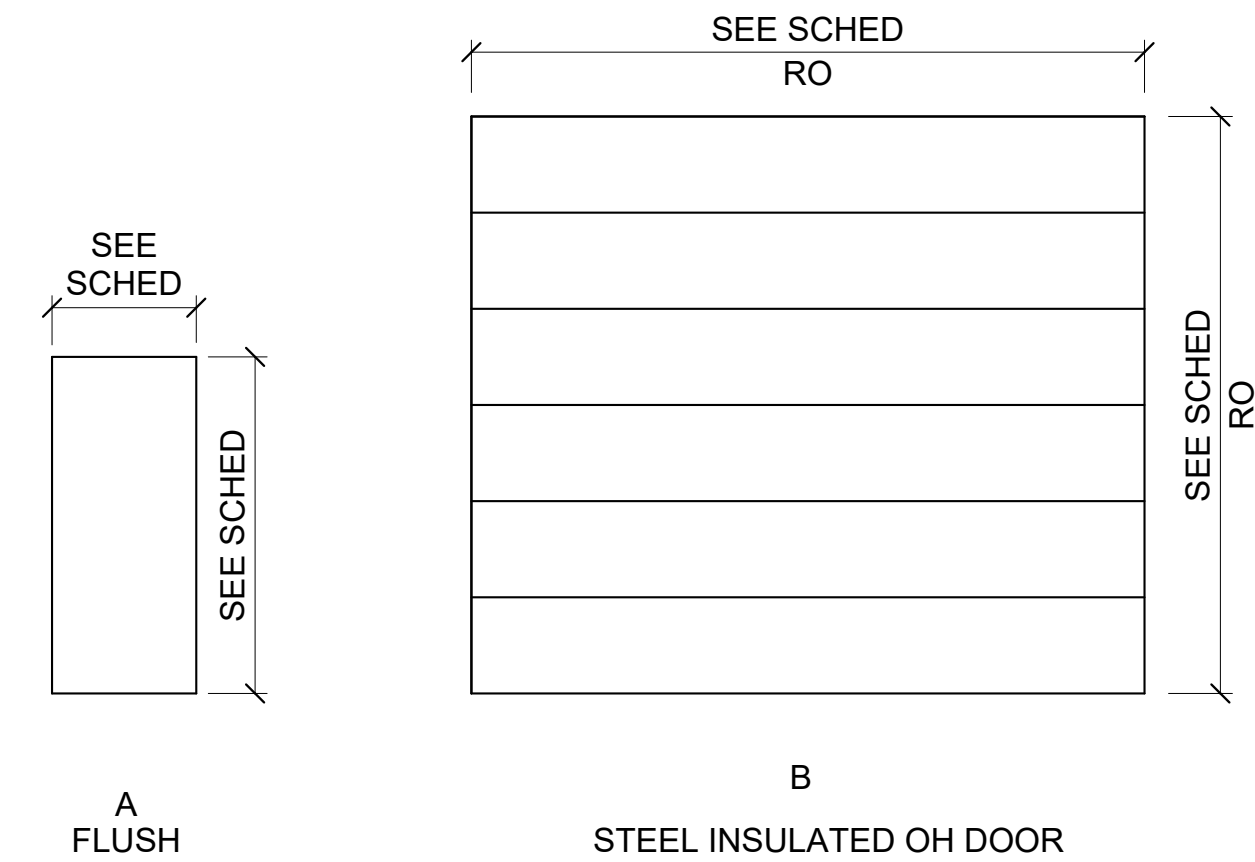
REMARKS

1. TRACK AND HARDWARE SUPPLIED BY DOOR MANUFACTURER.  
2. OH DOOR SIZE SCHEDULED IS OPENING SIZE. OPENING SIZE SHALL BE 2" NARROWER AND 1" LOWER.  
3. SET THRESHOLD IN A BEAD OF SEALANT.

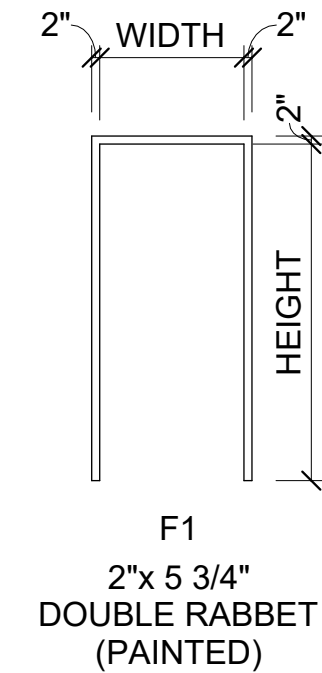
SCHEDULE


OPENING No	DOOR					FRAME					HW SET	GLASS TYPE	FIRE RATING	REMARKS
	TYPE	MAT'L	NOMINAL SIZE			TYPE	MAT'L	DETAILS						
			WIDTH	HEIGHT	THICKNESS			HEAD	JAMB	SILL				
101A	A	HM	3' - 0"	7' - 0"	1 3/4"	F1	HM	2/A502	2/A502	6/S501	1	-	-	3.
101B	A	HM	3' - 0"	7' - 0"	1 3/4"	F1	HM	2/A502	2/A502	6/S501	1	-	-	3.
101C	B	STL	14' - 0"	12' - 0"	2"	-	-	3/A502	3/A502	5/S501	-	-	-	1.2
101D	B	STL	9' - 0"	9' - 0"	2"	-	-	3/A502	3/A502	6/S501	-	-	-	1.2.

DOOR TYPES



FRAME TYPES



#	ASSEMBLY CONSTRUCTION SCHEDULE	
TAG	ASSEMBLY	DESCRIPTION
FLOORS		
F-1		- CONCRETE FLOOR SLAB - SEE STRUCTURAL - PROVIDE OIL-WATER REPELLENT COATING (AT ROOM 101)
WALLS		
W-1		- METAL WALL PANEL - WEATHER BARRIER - 2x WALL GIRTS BY SECTION 13 34 20 - MULTI-PLY 2x8 WOOD POSTS AT 8'-0" OC - 9" (R-30) FIBERGLASS BATT INSULATION - 2x WALL GIRTS - AIR/VAPOR RETARDER - METAL LINER PANEL AND TRIM
ROOF		
R-1		- METAL ROOF PANEL - 2x ROOF PURLINS - WOOD FRAMED TRUSS AR 8'-0" OC - R-53 BLOWN-INJ FIBERGLASS INSULATION - AIR/VAPOR RETARDER - METAL LINER PANEL AND TRIM

No	DATE	REVISIONS	BY
PROJECT DATE:	OCTOBER 21, 2025		
DRAWN BY:	CKW		
DESIGNED BY:	ECA		
CHECKED BY:	ECA		

 <div>           ENGINEERING   ARCHITECTURE   SURVEYING            FUNDING   PLANNING   ENVIRONMENTAL            1835 N STEVENS ST. RHINELANDER WI 54501            (715) 362-3244    www.msa-ps.com  <small>© MSA Professional Services, Inc.</small> </div>	<b>ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE BLDG</b>  <b>ADAMS COUNTY</b> <b>FRIENDSHIP, WI</b>	<b>SCHEDULES</b>	PROJECT NO. 05056005
			SHEET
			A601



PLUMBING SYMBOLS AND ABBREVIATIONS

THIS IS A COMPREHENSIVE SYMBOL AND ABBREVIATION LIST - NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS.

PIPING SYSTEMS

CW	DOMESTIC COLD WATER - HARD
CWS	DOMESTIC COLD WATER - SOFT
HW	DOMESTIC HOT WATER - SUPPLY 120
HW-140	DOMESTIC HOT WATER - SUPPLY 140
HWR	DOMESTIC HOT WATER - RETURN 120
HWR-140	DOMESTIC HOT WATER - RETURN 140
NP-CW	NON-POTABLE COLD WATER - HARD
NP-CWS	NON-POTABLE COLD WATER - SOFT
NP-HW	NON-POTABLE HOT WATER - SUPPLY
NP-HWR	NON-POTABLE HOT WATER - RETURN
DI	DEIONIZED WATER
RO	REVERSE OSMOSIS WATER
TW	TEMPERED WATER - SUPPLY
TWR	TEMPERED WATER - RETURN
SAN	SANITARY WASTE
V	SANITARY VENT
GW	GREASE WASTE
AW	ACID WASTE
AV	ACID VENT
ST	STORM DRAINAGE - PRIMARY
OF	OVERFLOW DRAINAGE - SECONDARY
CLV	CLEAR WATER VENT
CLW	CLEAR WATER WASTE
DT	DRAIN TILE
PW	PROCESS WASTE
PV	PROCESS VENT
PD	PUMPED DISCHARGE
EXHAUST	EQUIPMENT - EXHAUST
INTAKE	EQUIPMENT - INTAKE
CA	COMPRESSED AIR
G	NATURAL GAS
LP	LIQUID PROPANE
M-AIR	MEDICAL - AIR
M-CO	MEDICAL - CARBON DIOXIDE
M-N	MEDICAL - NITROGEN
M-NO	MEDICAL - NITROUS OXIDE
M-OX	MEDICAL - OXYGEN
M-VAC	MEDICAL - VACUUM
ACE	WELDING - ACETYLENE
ARG	WELDING - ARGON
ARG/CO	WELDING - ARGON/CARBON DIOXIDE
OX	WELDING - OXYGEN
WV	WELDING - VENT
-----	DEMOLISHED PIPING

ACCESSORIES

	BACKFLOW PREVENTER - DC
	BACKFLOW PREVENTER - DCDA
	BACKFLOW PREVENTER - PVB
	BACKFLOW PREVENTER - RP
	BALL VALVE
	BUTTERFLY VALVE
	BALANCING VALVE
	BACKWATER VALVE
	CHECK VALVE
	GATE VALVE
	THERMOSTATIC MIXING VALVE
	DRAIN TEMPERING VALVE
	THREE WAY VALVE - ELECTRICAL
	THREE WAY VALVE
	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	MECHANICAL VALVE
	SUCTION DIFFUSER
	THERMOMETER
	WATER HAMMER ARRESTER
	PRESSURE GAUGE

FITTINGS

	ELBOW LONG SWEEP 90
	ELBOW SHORT SWEEP 90
	ELBOW
	TEE
	TEE
	CROSS
	TEE DOUBLE
	WYE 45 DEG
	WYE 45 DEG DOUBLE
	WYE COMBINATION
	WYE COMBINATION DOUBLE
	CAP
	COUPLING
	PLUG
	PIPE BREAKLINE
	P TRAP
	PIPE DROP / DOWN
	PIPE RISE / UP
	PIPE BRANCH RISE / UP
	PIPE BRANCH DROP / DOWN
	PIPE TAG: SIZE & SYSTEM ABBREVIATION
	PIPE TAG: SIZE
	PIPE TAG: SYSTEM ABBREVIATION
	PIPE TAG: SIZE & FIXTURE UNITS

GENERAL

ANNOTATION SYMBOLS

	REFERS TO PLAN NOTE NUMBER
	FIXTURE AND EQUIPMENT TAG
	SPECIALTY EQUIPMENT REFERENCE TAG
	DETAIL NUMBER
	SHEET NO. WHERE DETAIL IS LOCATED
	VIEW REFERENCE TAG
	VIEW REFERENCE TAG
	VIEW REFERENCE TAG
	PIPE BREAKLINE
	CONNECT NEW TO EXISTING
	REVISION NUMBER
	ARCH = XXX.XX' CIVIL = XXX.XX'
	ELEVATION MARKER

ABBREVIATIONS

ABV	ABOVE
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
ARCH	ARCHITECT / ARCHITECTURAL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
BAS	BUILDING AUTOMATION SYSTEM
BFF	BELOW FINISHED FLOOR
BJ	BETWEEN JOISTS
BLDG	BUILDING
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
BV	BALANCE VALVE
CB	CONSTRUCTION BULLETIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CM	CONSTRUCTION MANAGER
CLG	CEILING
DEG	DEGREE(S)
DIA	DIAMETER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EX	EXISTING
F	DEGREES FAHRENHEIT
FBO	FURNISHED BY OTHERS
FFE	FINISHED FLOOR ELEVATION
FPC	FIRE PROTECTION / SPRINKLER CONTRACTOR
FT	FOOT / FEET
GA	GAUGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HC	HVAC CONTRACTOR
HP	HORSE POWER
HVAC	HEATING, VENTILATION, AIR CONDITIONING
ID	INSIDE DIAMETER
I.E.	INVERT ELEVATION
IN	INCH
INV	INVERT
LB	POUND
LF	LINEAR FOOT / FEET
MAX	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MIN	MINUTE
MISC	MISCELLANEOUS
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
Ø	DIAMETER
OC	ON CENTER
OD	OUTSIDE DIAMETER
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PRESS	PRESSURE
PS	PROJECT SUPPLEMENT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
REC	RECESSED
REV	REVISION
RI	ROUGH-IN
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SF	SQUARE FOOT
TEMP	TEMPERATURE
TYP	TYPICAL
UC	UNDERCOUNTER
UG	UNDERGROUND
VTR	VENT THROUGH ROOF
W/	WITH
W/O	WITHOUT

PLUMBING CONNECTION SCHEDULE

TAG	DESCRIPTION	COLD WATER CONNECTION SIZE	CWFU	HOT WATER CONNECTION SIZE	HWFU	WASTE CONNECTION SIZE	WFU
CB-1	VEHICLE TRAFFIC AREA	-	-	-	-	4	3
FD-1	VEHICLE STORAGE AREAS	-	-	-	-	4	4
HD-1	INDIRECT WASTE	-	-	-	-	4	4

GENERAL DEMOLITION NOTES

- SEE SPECIFICATIONS FOR MORE INFORMATION.
- EXISTING ITEMS SHOWN ON THESE DRAWING REFLECT A COMBINATION OF THE EXISTING CONTRACT DRAWINGS, AS-BUILT RECORD DRAWINGS, FIELD SURVEYS AND THE ENGINEER'S ESTIMATION OF PIPE ROUTES. ALL EXISTING PIPE LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. NOTIFY THE ENGINEER FOR ANY REUSE OF EXISTING PIPING THAT IS IN GOOD CONDITION AND SIZE APPROPRIATELY.
- ITEMS SHOWN AS HEAVY DASHED ARE TO BE DEMOLISHED.
- ITEMS SHOWN AS LIGHTER ARE EXISTING TO REMAIN.
- COORDINATE DEMOLITION OF EXISTING PIPING TO BE REMOVED WITH GENERAL CONTRACTOR.
- FIELD VERIFY LOCATIONS OF EXISTING PIPE MAINS. REUSE ANY PIPING OF SUFFICIENT SIZE IN GOOD CONDITION. REROUTE AS REQUIRED PER FIELD CONDITIONS.
- WHERE EXISTING PIPING IS SHOWN TO BE REMOVED, CAP BRANCH PIPE IF NOT BEING USED FOR NEW CONSTRUCTION.

GENERAL INSTALLATION NOTES

- SEE PLUMBING SPECIFICATIONS FOR MORE INFORMATION.
- PLUMBING INSTALLATION SHALL BE INSTALLED PER WISCONSIN UNIFORM PLUMBING CODE AND PER LOCAL PLUMBING CODE FOR ITEMS NOT NOTED OR SHOWN ON THESE DRAWINGS.
- FIELD VERIFY UNDERGROUND PIPING LOCATION, DEPTH AND SIZE AT POINT OF CONNECTION AND THAT NEW PIPE ROUTE IS CLEAR OF UTILITIES AND OTHER OBSTRUCTIONS PRIOR TO INSTALLATION OF ANY UNDERGROUND PIPING. COSTS INCURRED FOR FAILURE TO DO SO SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL PIPING IS TO BE CONCEALED. IF BUILDING CONSTRUCTION DOES NOT PERMIT CONCEALING PIPING, LOCATIONS AND ROUTING ARE TO BE APPROVED BY ARCHITECT/OWNER PRIOR TO INSTALLATION.
- ROUTE ALL PIPING IN COORDINATION WITH OTHER TRADES.
- FLOOR AND WALL CLEANOUT LOCATIONS NOT PERMITTED TO BE MOVED WITHOUT APPROVAL OF ARCHITECT/ENGINEER.
- SEE ARCHITECTURAL PLANS FOR ADA RELATED INSTALLATION DETAILS.
- SEE STRUCTURAL FOOTING, TRUSS, AND JOIST ELEVATIONS AND DETAILS.
- SEE HVAC PLANS FOR AREAS THAT ARE USED AS A RETURN AIR PLENUM. PROVIDE PLENUM RATED PIPE OR PIPE WRAP AS PER PROJECT'S PLUMBING SPECIFICATIONS.
- SEE HVAC PLANS AND HVAC CONTRACTOR FOR FINAL LOCATION OF HVAC EQUIPMENT IN MECHANICAL / BOILER ROOMS TO COORDINATE FINAL LOCATIONS OF FLOOR / HUB / SITE DRAINS PRIOR TO INSTALLATION.
- SEE PLUMBING ISOMETRIC SHEETS FOR PIPE SIZE AND LOAD INFORMATION NOT SHOWN ON FLOOR PLANS.
- SLOPE ALL SANITARY PIPING 3" AND LARGER AT 1/8"/FT UNLESS NOTED OTHERWISE.

DESIGN PROFESSIONAL

NAME: ALEX FEUDNER, PE  
COMPANY: MSA  
EMAIL: AFEUDNER@MSA-PS.COM  
PHONE: (608) 355-8869  
MSA PROJECT: #####

PLUMBING SHEET INDEX

P000	GENERAL NOTES, DETAILS, SCHEDULES
P100	FLOOR PLANS
P200	SANITARY DWV ISOMETRIC
P300	DETAILS AND SCHEDULES

10/27/2025 9:28:53 AM  
Project: 10506005 - Adams County Castle Rock Maintenance Bldg, Castle Rock Maintenance Bldg, PLUMB, 204.rvt  
PLOT DATE: 10/27/2025 9:28:53 AM

PROJECT DATE:	October 21, 2025	DRAWN BY:	AMF	DESIGNED BY:	AMF	CHECKED BY:	ML

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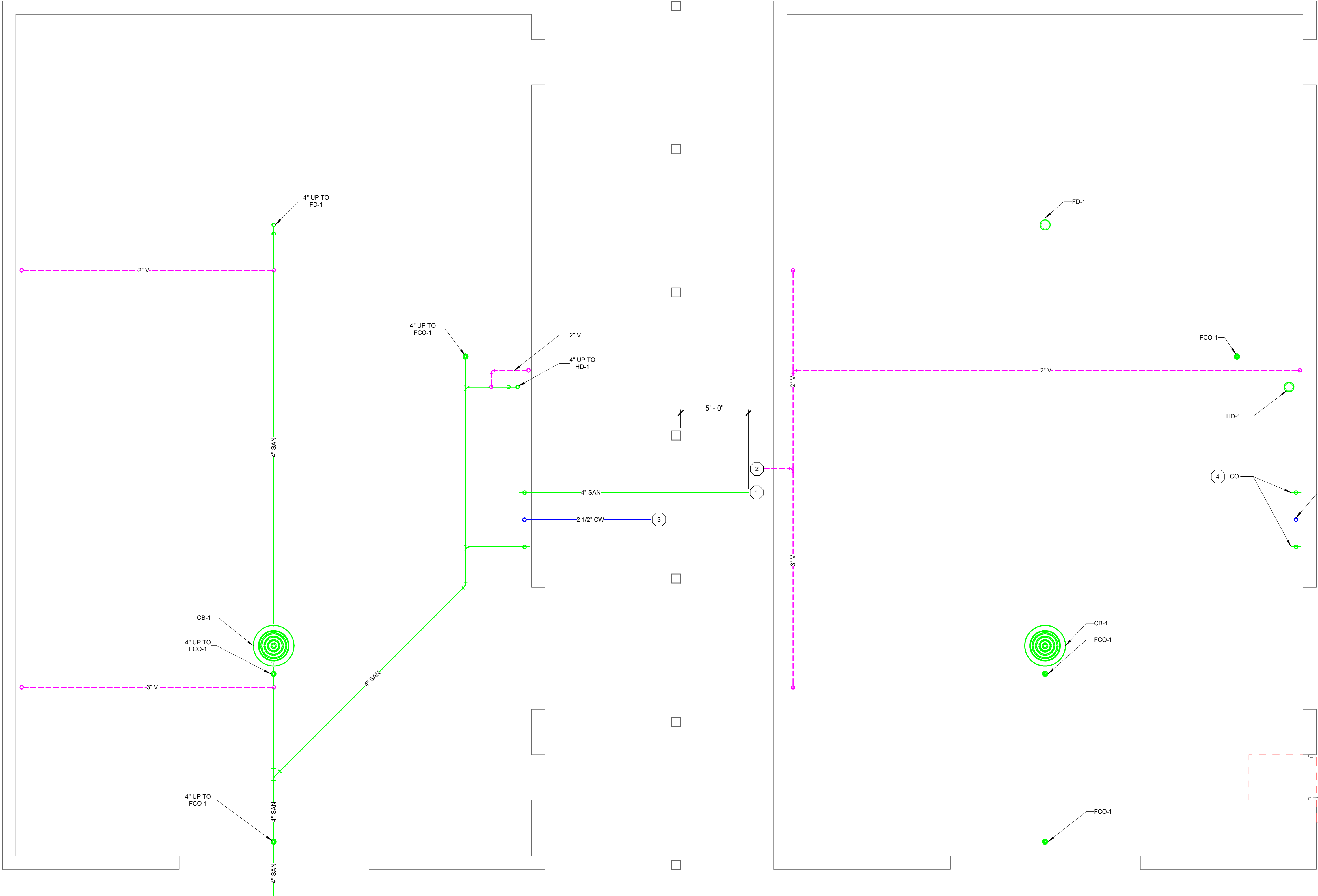
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GENERAL NOTES, DETAILS, SCHEDULES

PROJECT NO. 05056005
SHEET P000



10/21/2025 9:28:53 AM Autodesk Docs\\10556005\_Adam County Castle Rock Park Maintenance Bldg\_10556005\_Castle Rock Maintenance Bldg.dwg PLANT 204.rvt



SHEET KEYNOTES	
1	TERMINATE SANITARY DRAIN PIPING TO MINIMUM 5'-0" OUTSIDE CONCRETE SLAB FOR FUTURE SEWER CONNECTION. PROVIDE INVERT 6'-0" BFF.
2	TERMINATE VENT PIPE MIN 6" OUTSIDE OVERHANG. PROVIDE 90 DEGREE ELBOW DOWN WITH BIRD SCREEN.
3	TERMINATE WATER SERVICE PIPING 5 FEET OUTSIDE OF BUILDING FOR EXTENSION TO MINIMUM 5'-0" OUTSIDE CONCRETE SLAB BY SITE UTILITY CONTRACTOR. FIELD VERIFY INVERT ELEVATIONS PRIOR TO ANY INSTALLATION. PROVIDE A MINIMUM OF 6.5 FEET OF GROUND COVER OVER WATER SERVICE PIPING. SEE CIVIL SHEETS FOR MORE INFORMATION.
4	STUB UP ABOVE FLOOR FOR FUTURE CONNECTIONS. PROVIDE CLEANOUT ON TOP OF PIPE MIN 6" AFF.
5	STUB UP ABOVE FLOOR FOR FUTURE CONNECTIONS. PROVIDE VALVE AND CAP MIN 6" AFF.

FOUNDATION PLAN

1/4" = 1'-0" (22"x34")  
1/8" = 1'-0" (11"x17")



FIRST FLOOR PLAN

1/4" = 1'-0" (22"x34")  
1/8" = 1'-0" (11"x17")



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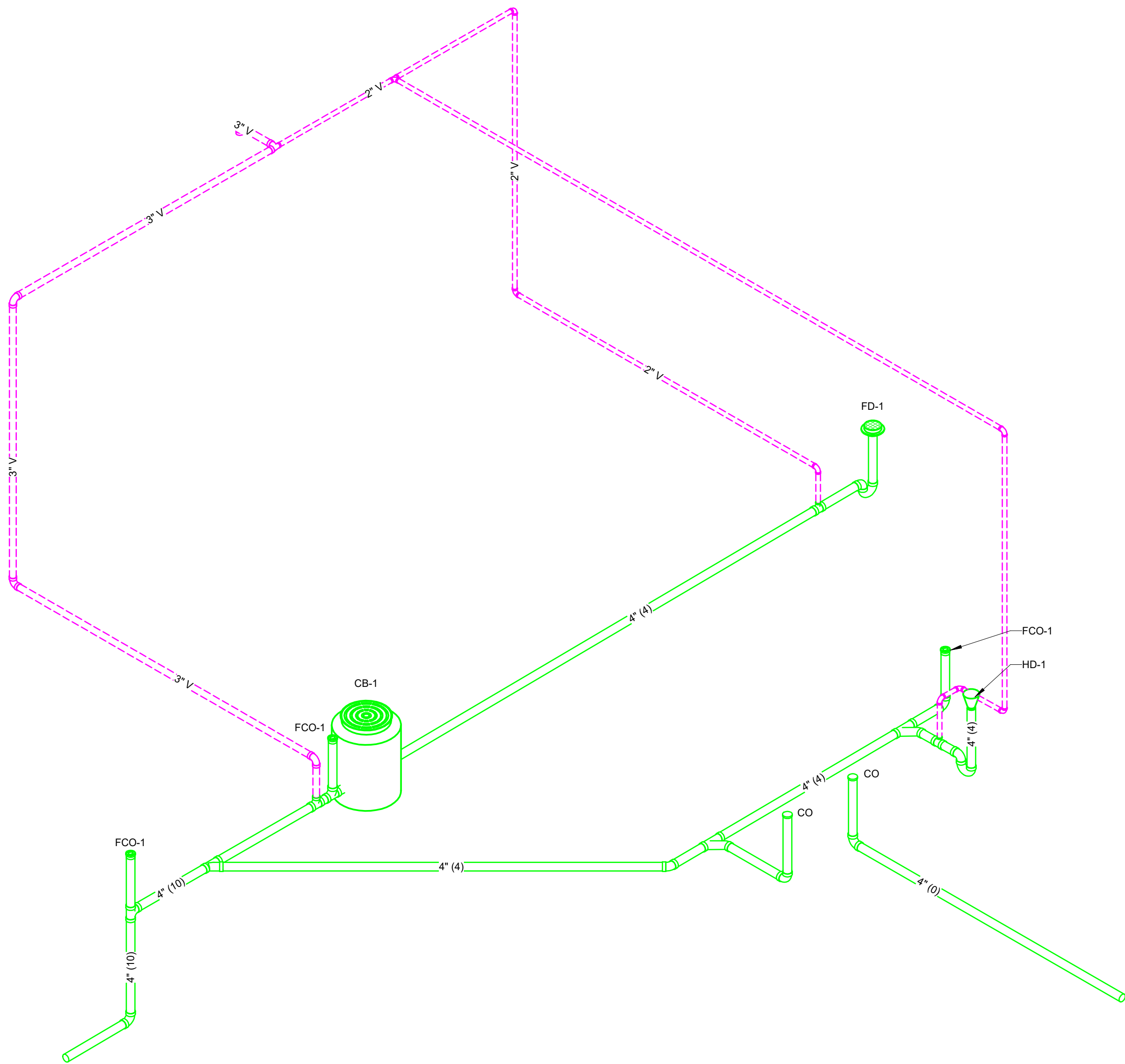
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FLOOR PLANS

PROJECT NO. 05056005
SHEET P100



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SANITARY DWV ISOMETRIC

PROJECT DATE:	October 21, 2025	DRAWN BY:	AMF	DESIGNED BY:	AMF	CHECKED BY:	ML

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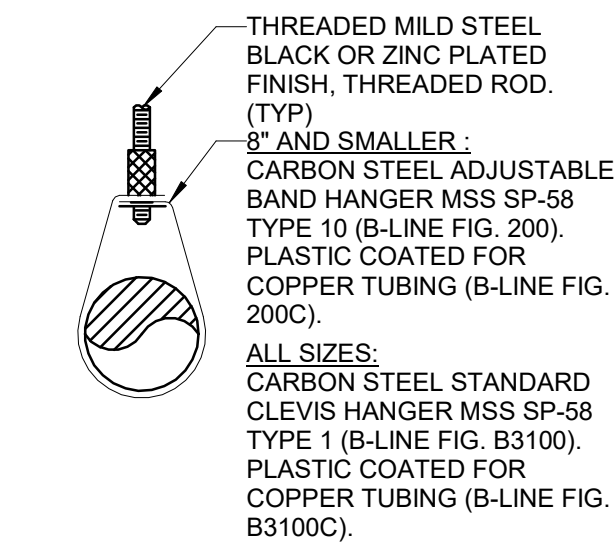
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P200





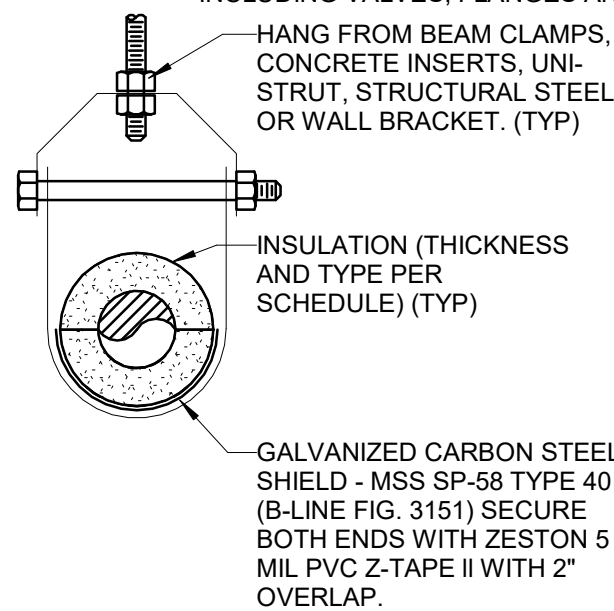
**APPLICATIONS**  
- HOT AND COLD WATER PIPING

## APPLICATIONS

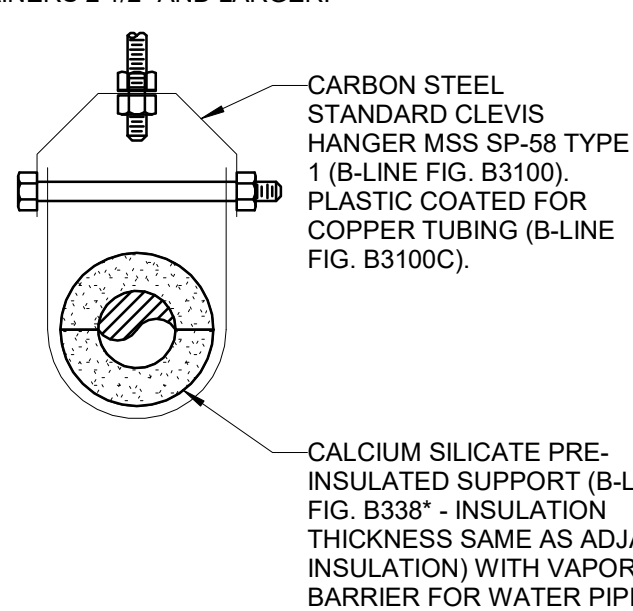
- HOT AND COLD WATER PIPING

MAX. SPACING BETWEEN PIPE SUPPORTS AND MIN. HANGER ROD SIZES											
PIPE SIZE	STEEL			COPPER			PVC	CPVC	PEX	CAST IRON	MIN. ROD
	WATER	GAS	MIN. ROD	WATER	GAS	MIN. ROD					
1/4"-1/2"	7"	8"	3/8"	5"	6"	3/8"	4"	3"	32"	5"	3/8"
3/4"	7"	9"	3/8"	5"	7"	3/8"	4"	3"	32"	5"	3/8"
1"	7"	9"	3/8"	6"	8"	3/8"	4"	3"	32"	5"	3/8"
1 1/4"	7"	9"	3/8"	7"	9"	3/8"	4"	4"	32"	5"	3/8"
1 1/2"	9"	12"	3/8"	8"	10"	3/8"	4"	4"	32"	5"	3/8"
2"	10"	12"	3/8"	8"	11"	3/8"	4"	4"	-	5"	3/8"
2 1/2"	11"	12"	3/8"	9"	12"	3/8"	4"	4"	-	5"	3/8"
3"	12"	12"	3/8"	10"	12"	3/8"	4"	4"	-	5"	3/8"
4"	12"	12"	3/8"	12"	12"	3/8"	4"	4"	-	5"	3/8"
5"	12"	12"	3/8"	12"	12"	3/8"	4"	4"	-	5"	3/8"
6"	12"	12"	1/2"	-	-	-	4"	4"	-	5"	3/8"
8"	12"	12"	1/2"	-	-	-	4"	4"	-	5"	3/8"
10"	12"	12"	1/2"	-	-	-	4"	4"	-	-	3/8"
12"	12"	12"	5/8"	-	-	-	4"	4"	-	-	3/8"
14"	12"	12"	5/8"	-	-	-	4"	4"	-	-	3/8"
16"	12"	12"	3/4"	-	-	-	4"	4"	-	-	3/8"
MAX VERT. (1)	15'	15'	-	10'	10'	-	10'	10'	10'	-	-

(1) SUPPORT AT MINIMUM EVERY FLOOR LEVEL OR SPACING LISTED.  
(2) SPACING MAY BE INCREASED TO 10' FOR 10' PIPE LENGTHS.  
MSS = MANUFACTURER'S STANDARDIZATION SOCIETY  
- INSTALL ADDITIONAL HANGERS WITHIN 12" OF ELBOWS AND TEES AND AT CONCENTRATED LOADS,  
INCLUDING VALVES, FLANGES AND STRAINERS 2 1/2" AND LARGER.

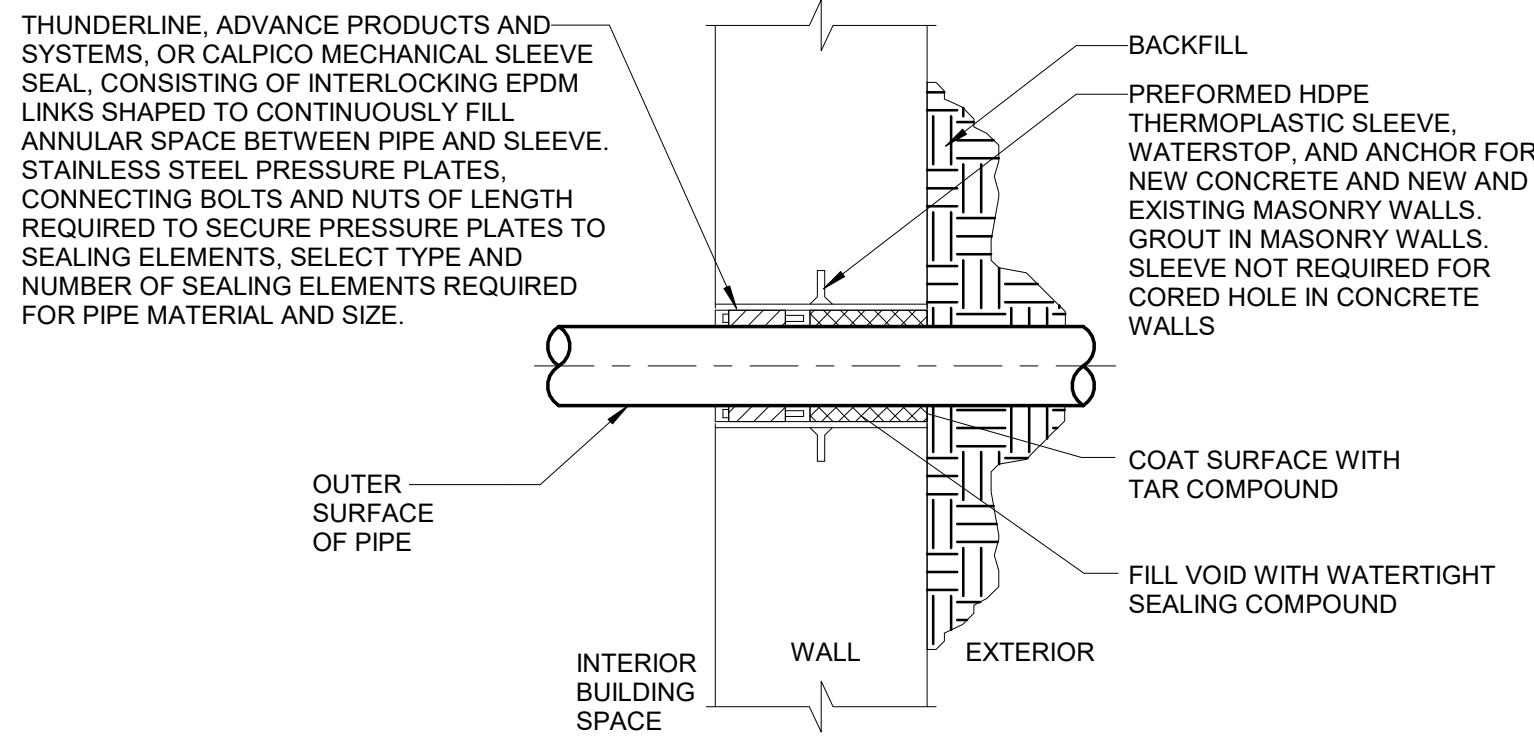


**APPLICATIONS**  
- HOT AND COLD WATER PIPING

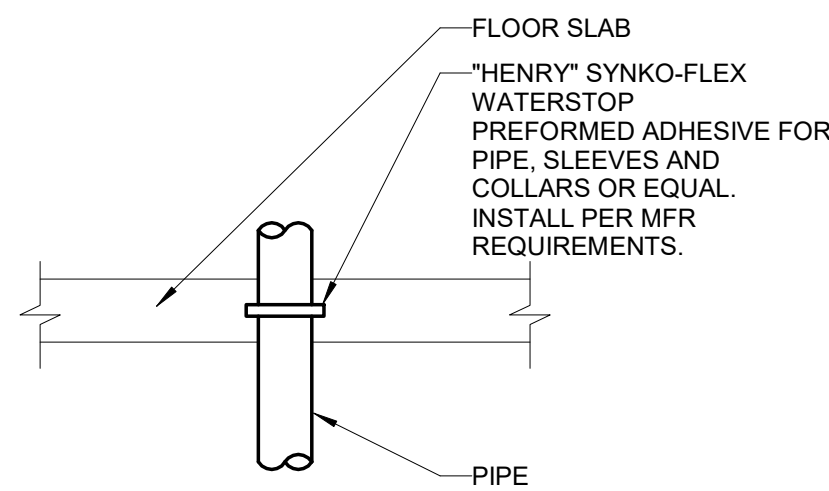


## APPLICATIONS

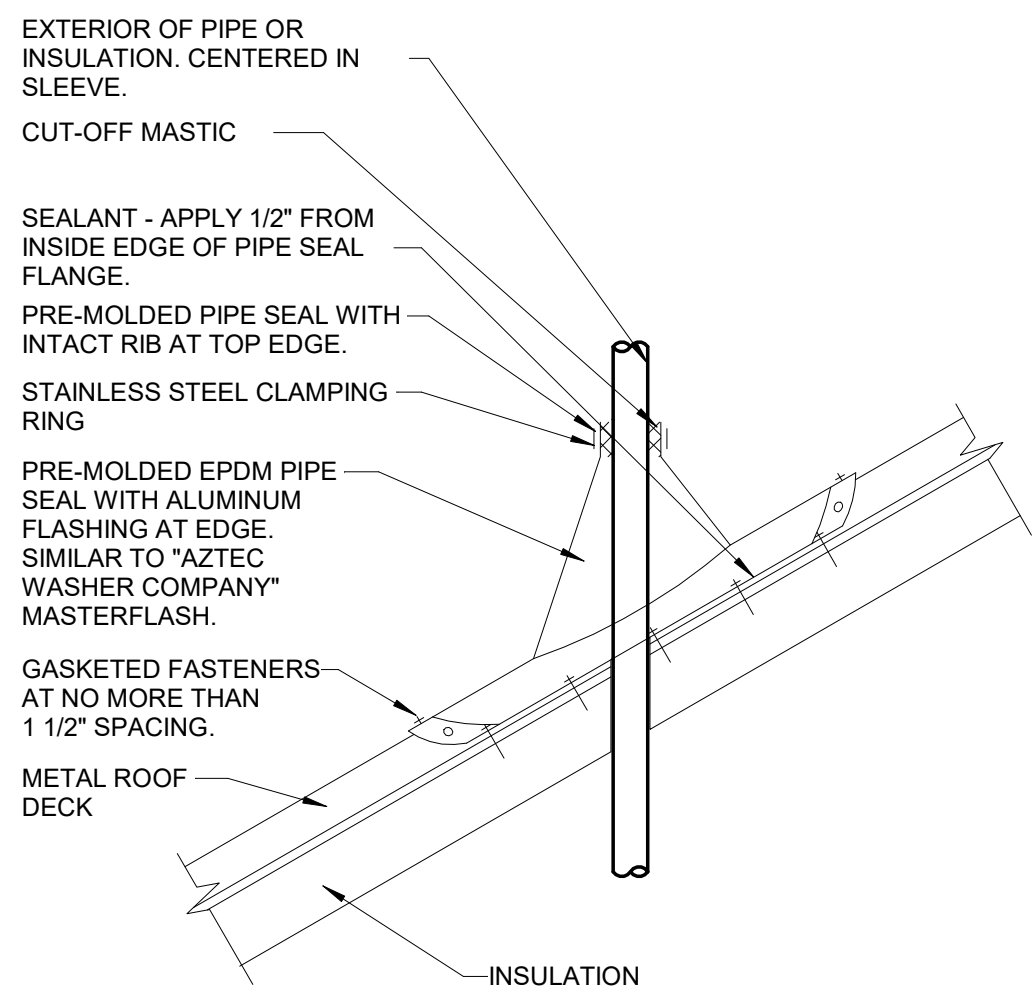
- HOT AND COLD WATER PIPING



**APPLICATIONS**  
- PIPE PENETRATION THRU BELOW GRADE EXTERIOR WALL



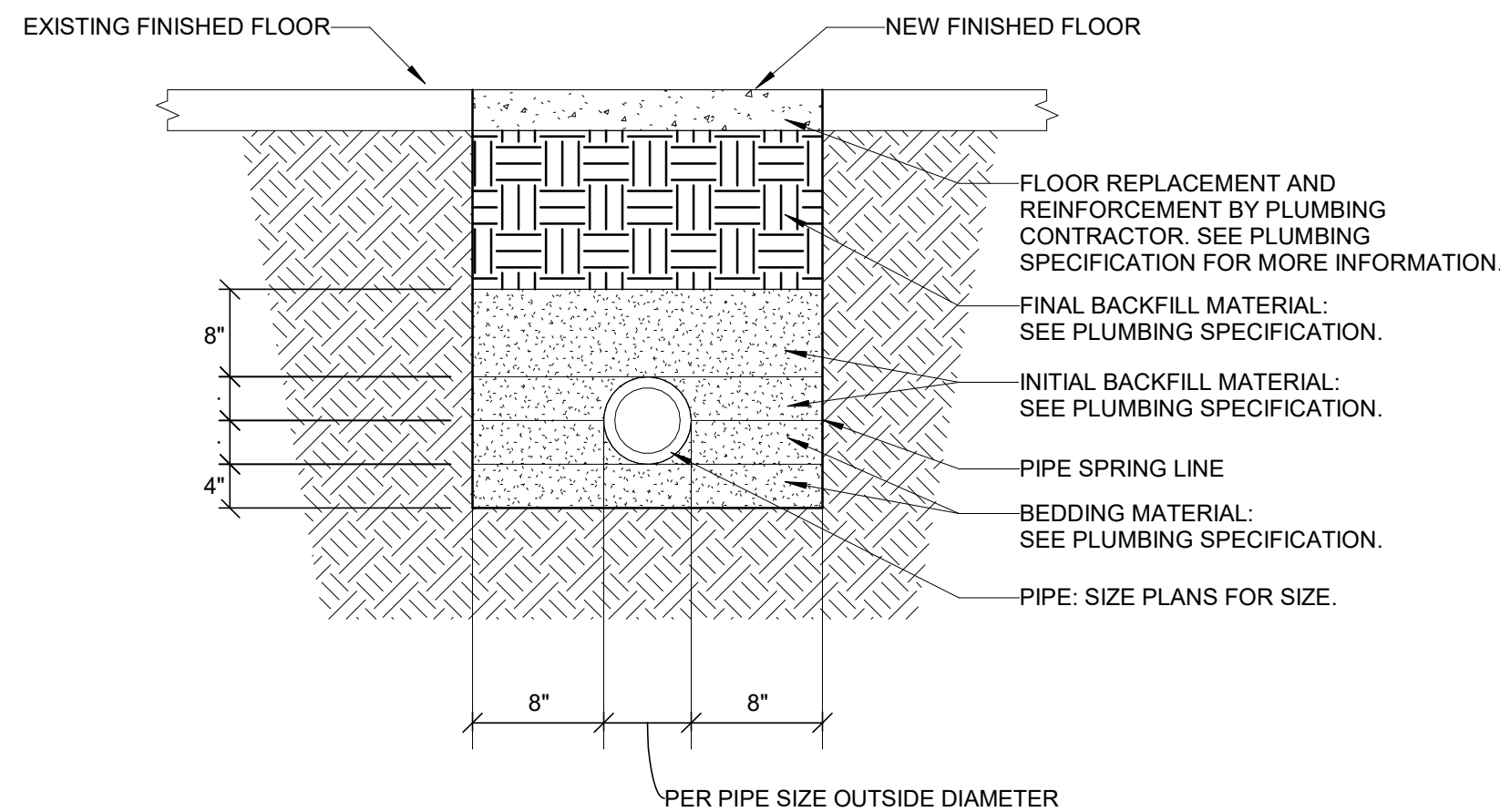
APPLICATIONS  
- SLAB ON GRADE PIPE PENETRATION DETAIL



## APPLICATIONS

- METAL ROOF PIPE PENETRATION DETAIL

## P300



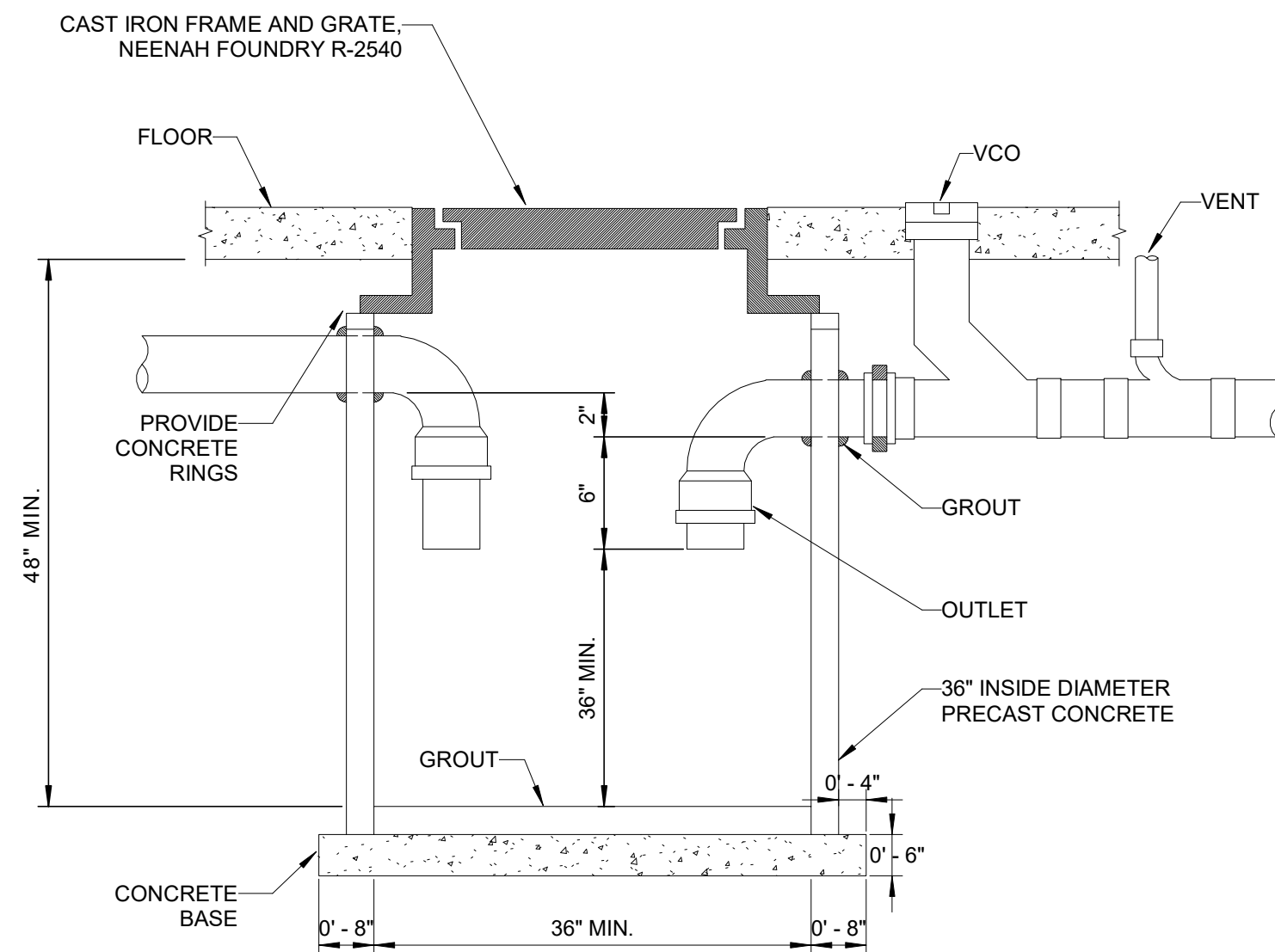
**NOTE:**  
COORDINATE FINAL FLOOR ELEVATION  
WITH GENERAL CONTRACTOR AND  
FLOOR COVERING CONTRACTOR.

## P300

DRAIN SCHEDULE								
TAG	MANUFACTURER	MODEL	TYPE	APPLICATION	BODY MATERIAL	STRAINER TOP SIZE	STRAINER TOP MATERIAL	NOTES
FD-1	ZURN	Z508	FLOOR	VEHICLE STORAGE AREAS	CAST IRON	9" DIA.	CAST IRON	(1)(8)
HD-1	ZURN	Z326	RECEPTOR	INDIRECT WASTE	NICKEL BRONZE	4" DIA.	-	(2)

CLEANOUT SCHEDULE								
TAG	MANUFACTURER	MODEL	TYPE	APPLICATION	BODY MATERIAL	ACCESS COVER SIZE	ACCESS COVER MATERIAL	NOTES
CO	-	-	-	ABV. CLGS & EXPOSED PIPE	PVC	-	-	(1)
FCO-1	ZURN	Z1400-HD	INTERIOR	VEHICLE TRAFFIC AREAS	CAST IRON	-	CAST IRON	

## P300



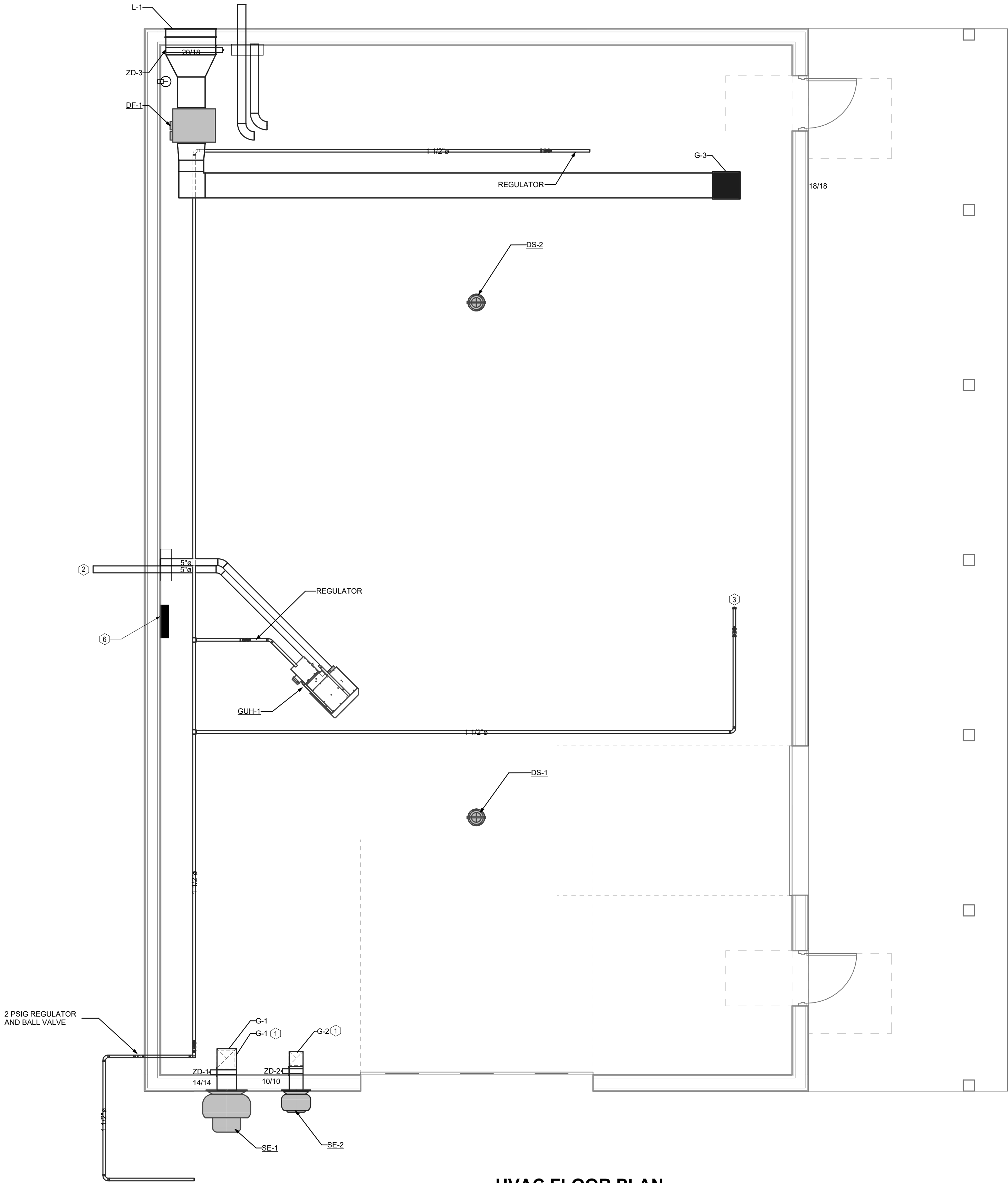
PLOT DATE: 10/21/2025 8:26:54 AM  
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PLOT DATE: 10/2/2025 11:17:29 AM Autodesk Docs:05056005\_Adams County Castle Rock Maintenance Shed 05056005\_Castle Rock Maintenance Building HVAC\_R01.rvt

KEYED NOTES	
HEX KEY	DESCRIPTION
1	ROUTE TO 16" AFF.
2	PROVIDE CONCENTRIC VENT KIT MIN 10'-0" FROM ANY FRESH AIR INTAKES OR OPENINGS.
3	CAP FOR FUTURE CONNECTIONS.
6	CO2/NO2 CONTROL PANEL. PROVIDE SENSORS THROUGHOUT PER MANUFACTURERS REQUIREMENTS.PROVIDE AUDIBLE ALARM AND SEND SIGNAL TO MAKE-UP AIR AND EXHAUST CONTROLS.

SEQUENCE OF OPERATION

SE-1: TO RUN CONTINUOUSLY. INTERLOCK WITH ZD-1  
SE-2: TO RUN DURING OCCUPANCY. INTERLOCK WITH ZD-2, ZD-3, DF-1 AND CO2/NO2 SENSOR  
-SE-2 TO RUN CONTINUOUSLY WHEN OCCUPANCY SENSORS OR LIGHT SWITCH ARE ACTIVE  
-SE-2 TO RUN CONTINUOUSLY WHEN CO2/NO2 SENSOR DETECTS VEHICLES  
DF-1: TO RUN DURING OCCUPANCY. INTERLOCK WITH ZD-2, ZD-3 AND SE-1  
-DF-1 TO RUN CONTINUOUSLY WHEN SE-2 IS RUNNING  
DS-1/2: TO RUN DURING OCCUPANCY.  
-DS-1/2 TO RUN CONTINUOUSLY WHEN OCCUPANCY SENSORS OR LIGHT SWITCH ARE ACTIVE  
GUH-1: TO BE CONTROLLED BY REMOTE THERMOSTAT  
-SEE LOCATION OF THERMOSTAT ON PLANS. SET THERMOSTAT TO 55 DEGREES F



HVAC FLOOR PLAN

1/4" = 1'-0" (22"x34") 0 2 4 8  
1/8" = 1'-0" (11"x17")



PROJECT DATE:	October 21, 2025	DRAWN BY:	AMF	No	DATE	REVISIONS	BY
		DESIGNED BY:	AMF				
		CHECKED BY:	JT				



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ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE BLDG

ADAMS COUNTY  
FRIENDSHIP, WI

HVAC PLAN

PROJECT NO.  
05056005

SHEET  
H100



PLOT DATE: 10/2/2025 10:05:32  
APP: 10556005  
ADAMS COUNTY CASTLE ROCK MAINTENANCE SCHED 10556005  
Castle Rock Maintenance Building HVAC P24.rvt

DESTRATIFICATION FANS					
UNIT NO.	CFM OF STD. AIR	FAN DIA	MOTOR WATTS	BLADE HEIGHT A.F.F.	MANUF. MODEL
DS-1	318	1' - 0 13/16"	15 W	11' - 0"	AIRIUS AIR PEAR
DS-2	318	1' - 0 13/16"	15 W	11' - 0"	AIRIUS AIR PEAR

GAS FIRED UNIT HEATERS												
UNIT NO.	SERVICE	GAS INPUT MBH	GAS OUTPUT MBH	CFM OF STD. AIR	GAS TYPE	MOTOR HP	FAN TYPE	COMB. AIR VENT DIA.	FUEL VENT DIA.	DIFFUSER	ELEV. ABOVE FIN. FL.	MANUF. MODEL
GUH-1	HEATING	120,000	99,600	2,049	NAT. GAS	0.75	PROP.	4"	4"	HORIZ.	11' - 0"	REZNOR UBXC

GRILLES AND DIFFUSERS						
TAG NO.	SERVICE	NECK SIZE	DUCT CONN. SIZE	VOLUME DAMPER LOCATION	AIR PATTERN	MANUF. MODEL
G-1	SIDEWALL EXHAUST GRILLE	44x10	-	DUCT TAKEOFF	45°	PRICE 530
G-2	SIDEWALL EXHAUST GRILLE	14x6	-	DUCT TAKEOFF	45°	PRICE 530
G-3	SIDEWALL SUPPLY GRILLE	38x10	-	DUCT TAKEOFF	22.5°	PRICE 520

SEPARATED COMBUSTION GAS FIRED DUCT FURNACES									
UNIT NO.	SERVICE	CFM OF STD. AIR	HEATING SECTION		GAS TYPE	GAS PRESS. IN PSIG	COMB. AIR VENT DIA.	FUEL VENT DIA.	MANUF. MODEL
			GAS INPUT BTU	GAS OUTPUT BTU					
DF-1	HEATING	2,000	150,000	120	LP	2	6"	6"	REZNOR SC

SIDEWALL EXHAUSTERS								
UNIT NO.	SERVICE	CFM OF STD. AIR	EXT. S.P. IN IN. WATER	MOTOR HP	DRIVE	MOTOR TYPE	VOLUME CONTROL	MANUF. MODEL
SE-1	EXHAUST	2,000	0	0.75	DIRECT	ODP	SP.SW.	COOK ACRUD-150
SE-2	EXHAUST	150	0	0.125	DIRECT	ODP	SP.SW.	COOK ACRUD-90

WEATHERPROOF LOUVERS						
UNIT NO.	SERVICE	NOM. WIDTH (IN.)	NOM. HEIGHT (IN.)	CFM	MAX FREE AREA VELOCITY (FPM)	MANUF. MODEL
L-1	INTAKE	36	36	2,000	1,000	RUSKIN ELF6375DX

MOTOR STARTERS									
DESCRIPTION	MCA	MOTOR HP	VOLTAGE	PHASE	KW	STARTER FURNISHED BY	STARTER INSTALLED BY	STARTER LOCATION	STARTER TYPE
DF-1	2		120	1		HVAC	HVAC	PRE-WIRED	-
DS-1			120	1	0.02	HVAC	EC	NEAR UNIT	SP. SW.
DS-2			120	1	0.02	HVAC	EC	NEAR UNIT	SP. SW.
GUH-1		0.75	120	1		HVAC	EC	NEAR UNIT	MAN.
SE-1		0.75	120	1		HVAC	EC	NEAR UNIT	SP.SW.
SE-2		0.125	120	1		HVAC	EC	NEAR UNIT	SP.SW.

		No	DATE	REVISIONS	BY
PROJECT DATE:	October 21, 2025	DRAWN BY:	AMF		
		DESIGNED BY:	AMF		
		CHECKED BY:	JT		



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ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE  
BUILDING  
ADAMS COUNTY  
FRIENDSHIP, WI

HVAC SCHEDULES

PROJECT NO.  
05056005  
SHEET  
H200

ELECTRICAL SYMBOLS AND ABBREVIATIONS  
THIS IS A COMPREHENSIVE SYMBOL AND ABBREVIATION LIST - NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS.

ELECTRICAL DISTRIBUTION EQUIPMENT	
	UTILITY TRANSFORMER
	UTILITY TRANSFORMER
	CT CABINET AND METER SOCKET
	GENERATOR ANNUNCIATOR PANEL FLUSH OR SURFACE
	PANEL - NEW SURFACE MOUNTED; TAG = "XX"
	PANEL - NEW FLUSH MOUNTED; TAG = "XX"
	PANEL - EXISTING SURFACE MOUNTED; TAG = "XX"
	PANEL - EXISTING FLUSH MOUNTED; TAG = "XX"
	TRANSFORMER - FLOOR MOUNT; TAG = "T-XX"
	TRANSFORMER - WALL MOUNT; TAG = "T-XX"
	TRANSFER SWITCH; TAGS = "ATS-XXX-Y", "MTS-XXX-Y" TAGS XXX, 700=EMERGENCY SYSTEM 701=LEGALLY REQUIRED STANDBY SYSTEM 702=OPTIONAL STANDBY SYSTEM TAG Y=SYSTEM NUMBER
	SURGE PROTECTION DEVICE; TAG = SPD CONTACTOR ENCLOSURE PANEL; TAG = CX X = CONTACTOR NUMBER

MOTOR CONTROL	
	HEAVY DUTY DISCONNECT; TAG XX, WP=WEATHERPROOF, F=FUSIBLE
	NON-COMBINATION STARTER
	COMBINATION STARTER
	MANUAL STARTER
	MOTOR OUTLET TERMINAL, ON ROOF MOUNTED UNITS PROVIDE WEATHER PROOF DISCONNECTS. X = HORSE POWER OR MOTOR NUMBER IF SCHEDULE IS PROVIDED

WIRING DEVICES	
SWITCHES	
	SX SINGLE POLE SWITCH; TAG X, 3=3 WAY, 4=4 WAY, D=DIMMER, I=ILLUMINATED, K=KEYED, M=MOTION SENSOR SWITCH, P=PILOT, R=RELAY, WP=WEATHERPROOF, LVX=LOW VOLTAGE, TAG X = INDICATES NUMBER OF BUTTONS AT EACH SWITCH LOCATION
	\$X SWITCH TO BE DEMOLISHED, X = ABBREVIATIONS ABOVE
	SINGLE PUSH BUTTON - ADA DOOR BUTTON ADDITIONAL FUNCTIONALITY DEFINED ON PLANS
	UP/DN PUSH BUTTON
	MULTI PUSH BUTTON

RECEPTACLES	
NO TAG=STANDARD RECEPTACLE, TAGS X, ARC=ARC FAULT RATED, CM=CEILING MOUNTED, CW=CLOTHES WASHER, D=EXTRA DEEP, DW=DISH WASHER, EWC=ELECTRIC WATER COOLER, FM=FLOOR MOUNTED, FR=FREEZER, HG=HOSPITAL GRADE, GD=GARBAGE DISPOSER, GFI=GROUND FAULT INTERRUPTER, GR=GAS RANGE, ICE=ICE MACHINE, IG=ISOLATED GROUND, MIC=MICROWAVE, REF=REFRIGERATOR, SP=SURGE PROTECTED, UCRF=UNDER COUNTER REFRIGERATOR, DEVICE, UPS=UNINTERRUPTED POWER SUPPLY, USB=UNIVERSAL SERIAL BUS, VM=VENDING MACHINE, WP/GFI=WEATHER PROOF/GROUND FAULT INTERRUPTER	
	RECEPTACLE - SINGLE OR SIMPLEX
	RECEPTACLE - DUPLEX
	LINE INDICATES DEVICE MOUNTED AT 42" TO CENTER. NO LINE INDICATES DEVICE MOUNTED AT STANDARD HEIGHT UNLESS TAGGED OTHERWISE, TYPICAL ALL RECEPTACLE TYPES AND BLANK BOXES
	XX RECEPTACLE - TAG XX, CD=CLOTHES DRYER (NEMA14-30R) ER=ELECTRIC RANGE (NEMA14-50R), K=KILN W=WELDER (NEMA 6-50R)
	X RECEPTACLE - DUPLEX MOUNTED ABOVE COUNTER
	X RECEPTACLE - DUPLEX WITH TOP HALF SWITCHED
	X RECEPTACLE - DOUBLE DUPLEX
	X RECEPTACLE - DUPLEX TRIPLE
	X RECEPTACLE - DUPLEX QUAD
	X BLANK OUTLET FOR FUTURE DEVICES 4" BOX, SINGLE GANG RING, BLANKPLATE, 1". STUBBED INTO ACCESSIBLE CEILING

WIRING DEVICES	
MISCELLANEOUS	
	SURFACE RACEWAY
	EQUIPMENT CONNECTION
	X SPECIAL OUTLET, TAG = NUMBER ON SCHEDULE
	H ELECTRIC HAND/HAIR DRYER
	X DUAL SERVICE FLOOR BOX, TAG = TYPE IN SPECS
	X SINGLE SERVICE FLOOR BOX, TAG = TYPE IN SPECS
	X POKE THROUGH FLOOR BOX, TAG = TYPE IN SPECS
	CD CORD DROP
	CR CORD REEL
	LB 90° CONDUIT BODY - THROUGH WALL
	LR 90° CONDUIT BODY - TURN RIGHT
	LL 90° CONDUIT BODY - TURN LEFT
	X EV ELECTRIC VEHICLE CHARGING STATION, SEE PLANS FOR TYPES
	X RV RECREATIONAL VEHICLE CHARGING STATION, SEE PLANS FOR TYPES
	X SP MARINA SHORE POWER STATION, SEE PLANS FOR TYPES
	PP POWER POLE - CEILING DOWN TO FLOOR
	J J-BOX
	CONDUIT STUB THROUGH WALL BUSHED EACH END
	CABLE TRAY

LIGHTING	
FIXTURES	
	X LIGHT FIXTURE - POLE MOUNTED; TAG = TYPE IN FIXTURE SCHEDULE
	LIGHT FIXTURE - CEILING MOUNTED FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
	WALL MOUNTED - FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
	LIGHT FIXTURE - FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
	EMERGENCY BATTERY UNIT LIGHT - WALL MOUNTED
	EMERGENCY BATTERY UNIT LIGHT - CEILING MOUNTED
	REMOTE EMERGENCY LIGHT
EXITS	
	EXIT LIGHT - ONE FACE
	EXIT LIGHT - ONE FACE WITH EMERGENCY HEADS
	EXIT LIGHT - TWO FACE
SENSORS	
	DUAL TECHNOLOGY OCCUPANCY SENSOR
	EXIT LIGHT - ONE FACE WITH EMERGENCY HEADS
	ARROWS INDICATE DIRECTION TO EXIT
	EXIT LIGHT - TWO FACE
FIRE ALARM PANELS & FIRE ALARM SUPPORT ITEMS	
	FACP FIRE ALARM CONTROL PANEL
	FAAP FIRE ALARM ANNUNCIATOR PANEL, FLUSH OR SURFACE
	FAPS FIRE ALARM POWER SUPPLY
	FACC FIRE ALARM COMMAND CENTER WITH MICROPHONE
	FM FIRE ALARM MICROPHONE ENCLOSURE, FLUSH OR SURFACE
	RTS REMOTE TEST SWITCH
NOTIFICATION APPLIANCE	
	X WALL MOUNTED AUDIO (HORN) / VISUAL NOTIFICATION APPLIANCE
	X WALL MOUNTED AUDIO (VOICE) / VISUAL NOTIFICATION APPLIANCE
	X WALL MOUNTED FIRE ALARM SPEAKER
	SVX WALL MOUNTED VISUAL NOTIFICATION APPLIANCE
	X CEILING MOUNTED AUDIO (HORN) / VISUAL NOTIFICATION APPLIANCE
	X CEILING MOUNTED AUDIO (VOICE) /VISUAL NOTIFICATION APPLIANCE
	X CEILING MOUNTED FIRE ALARM SPEAKER
	SVX CEILING MOUNTED VISUAL NOTIFICATION APPLIANCE
	F WALL MOUNTED AUDIO (HORN) NOTIFICATION APPLIANCE
	B WALL MOUNTED BELL
	MH MAGNETIC DOOR HOLDER
	EH ELECTRIC DOOR HOLDER
	CM ADDRESSABLE CONTROL MODULE

FIRE ALARM	
INITIATION DEVICE	
	XX MANUAL PULL STATION; TAG XX, LC=LEXAN COVER, DS=DIGITAL W/ DATA & W/SPEAKER & FLASHER, DSF=DIGITAL W/SPEAKER & FLASHER, DV=DIGITAL VIDEO DISPLAY WITH DATA, IP=INFRASTRUCTURE SYNCHRONIZED TIMEKEEPING SYSTEM VIA NETWORK TIME PROTOCOL, WG=WIRE GUARD
	G EX-EXPLOSION PROOF, WP=WEATHERPROOF
	H HEAT DETECTOR
	S SMOKE DETECTOR
	S SMOKE DETECTOR WITH SOUNDER BASE
	DS DUCT SMOKE DETECTOR
	ES ELEVATOR SMOKE DETECTOR
	CM CARBON MONOXIDE DETECTOR
	FS SPRINKLER FLOW SWITCH
	PS SPRINKLER PRESSURE SWITCH
	TS SPRINKLER TAMPER SWITCH
	ADDRESSABLE MONITOR MODULE

COMMUNICATION	
DATA RACKS	
TAGS, TC#X = TELECOMMUNICATION CLOSET NUMBER	
	H DATA RACK - OPEN FRAME 2 POST FLOOR MOUNTED
	DATA RACK - OPEN FRAME 4 POST FLOOR MOUNTED
	DATA RACK - OPEN FRAME WALL MOUNTED
	DATA RACK - ENCLOSED WALL MOUNTED
	GROUND BAR

DATA / IP PHONE, WAP & TELEPHONE DEVICES	
TAGS X, NO TAG=SINGLE DROP, NUMBER INDICATES NUMBER OF DROPS IN EACH LOCATION, A=ATTENDANCE SCANNER, C=IP SECURITY CAMERA, K=KEYLESS ENTRY, USB=UNIVERSAL SERIAL BUS, V=VAPE SENSOR, W=WALL PHONE, PROVIDE 4" SQUARE DEEP BOX, 1-GANG RING, 1" CONDUIT STUBBED INTO ACCESSIBLE CEILING.	
	X DATA / IP PHONE OUTLET (STANDARD HEIGHT)
	X DATA / IP PHONE OUTLET (MOUNTED AT 42" TO CENTER)
	WAP X WIRELESS ACCESS POINT DATA OUTLET
	CDF X COILED DATA FOR FUTURE USE
	X DATA / TELEPHONE OUTLET (STANDARD HEIGHT)
	X DATA / TELEPHONE OUTLET (MOUNTED AT 42" TO CENTER)
	X TELEPHONE OUTLET (STANDARD HEIGHT)
	X TELEPHONE OUTLET (MOUNTED AT 42" TO CENTER)

SOUND SYSTEM INPUTS PAGING/INTERCOM SYSTEM	
TAGS XX, NO TAG=GENERAL PUBLIC ANNOUNCEMENTS, AS=AUDITORIUM, CL=CLASSROOM, CS=CAFETERIA, FH=FIELD HOUSE, FS=FITNESS, GS=GYM, IP=INFRASTRUCTURE, MP=MULTI-PURPOSE, PS=POOL, WS=WEIGHT ROOM	
	XX AUXILIARY/INPUT SOUND JACK
	XX MICROPHONE OUTLET
	XX ADMINISTRATION STATION SEE SOUND SYSTEM RISER
	XX VOLUME CONTROL
	C WALL MOUNTED CALL-IN SWITCH BOX OR HANDSET

SPEAKERS	
TAGS XX, NO TAG=GENERAL PUBLIC ANNOUNCEMENTS, AS=AUDITORIUM, CL=CLASSROOM, CS=CAFETERIA, FH=FIELD HOUSE, FS=FITNESS, GS=GYM, IP=INFRASTRUCTURE, MP=MULTI-PURPOSE, PS=POOL, WS=WEIGHT ROOM, WP=WEATHER PROOF	
	XX SPEAKER - WALL RECESSED MOUNTED
	XX SPEAKER - WALL SURFACE MOUNTED WITH METAL ENCLOSURE
	XX SPEAKER - WALL SURFACE MOUNTED - TWO SIDED
	XX SPEAKER - WALL BRACKET MOUNTED
	XX SPEAKER HORN - WALL SURFACE MOUNTED
	XX SPEAKER - CEILING RECESSED MOUNTED
	XX SPEAKER - CEILING SURFACE MOUNTED WITH METAL ENCLOSURE
	XX SPEAKER - CEILING SURFACE MOUNTED WITH METAL ENCLOSURE - TWO SIDED
	XX SPEAKER - PENDANT MOUNTED
	XX SPEAKER - PENDANT MOUNTED - TWO SIDED
	XX SPEAKER LOUD - SUSPENDED

PUBLIC ANNOUNCEMENT INDICATION DEVICE	
	PUBLIC ANNOUNCEMENT INDICATION STROBE LIGHT - WALL MOUNTED
	PUBLIC ANNOUNCEMENT INDICATION STROBE LIGHT - CEILING MOUNTED

COMMUNICATION	
CLOCKS	
TAGS XX, NO TAG=ANALOG, D=DIGITAL, DS=DIGITAL W/ DATA & W/SPEAKER, DSF=DIGITAL W/SPEAKER & FLASHER, DV=DIGITAL VIDEO DISPLAY WITH DATA, IP=INFRASTRUCTURE SYNCHRONIZED TIMEKEEPING SYSTEM VIA NETWORK TIME PROTOCOL, WG=WIRE GUARD	
	XX CLOCK - WALL MOUNTED - SINGLE FACE
	XX CLOCK - WALL MOUNTED - TWO FACE
	XX CLOCK - CEILING SURFACE MOUNTED - TWO FACE
	CLOCK / SPEAKER BAFFLE - COMBINATION
TECHNOLOGY	
	D HDMI OUTLET
	TV COAX OUTLET
	CEILING MOUNTED PROJECTOR PLATE
	P MEDIA DELIVERY INPUT
	PP MEDIA DELIVERY LOCATION
MISCELLANEOUS	
	ARS AREA OF REFUGE (CALL BOX) / TWO-WAY COMMUNICATION SYSTEM
	ARM AREA OF REFUGE MASTER (BASE STATION) / TWO-WAY COMMUNICATION SYSTEM
	TWC TWO-WAY COMMUNICATION (CALL BOX)
	TWCM TWO-WAY COMMUNICATION MASTER (BASE STATION)

SECURITY	
DOOR CONTROL	
	AI 2 WAY INTERCOM SYSTEM DOOR STATION
	AM 2 WAY INTERCOM SYSTEM MASTER STATION
	AO AUTOMATIC DOOR OPENER
	CA COMBINATION CARD READER AND KEY PAD
	CR CARD READER
	DB DURESS BUTTON
	DC DOOR POSITION SWITCH CONTACT
	DP DOOR POSITION SWITCH
	EL ELECTRIC TRIM LATCH
	ES ELECTRIC DOOR STRIKE
	GB GLASS BREAK SENSOR
	KP KEY PAD
	LS LIMIT SWITCH
	SECURITY SYSTEM MOTION DETECTOR CEILING MOUNTED 360°
	SECURITY SYSTEM MOTION DETECTOR - WALL MOUNTED
	HM MAGNETIC LOCK
	P PANIC PULL STATION
	RX REQUEST TO EXIT
	SS SECURITY STROBE
	I SINGLE PUSH BUTTON - FUNCTIONALITY DEFINED ON PLANS

CAMERAS	
	SECURITY CAMERA - DIRECTIONAL
	LINES REPRESENT WALL OR POLE MOUNTED NO LINES REPRESENT CEILING MOUNTED (TYPICAL)
	SECURITY CAMERA - 90°
	SECURITY CAMERA - 180°
	SECURITY CAMERA - 270°
	SECURITY CAMERA - 360°

HEALTHCARE	
	NH NURSE CALL LIGHT
	N NURSE CALL BEDSIDE STATION
	NS NURSE CALL STAFF ACKNOWLEDGE
	NS NURSE CALL CONTROL ROOM STATION
	NCPs NURSE CALL POWER SUPPLY

GENERAL	
ANNOTATION SYMBOLS	
	X REFERS TO PLAN NOTE NUMBER
	XXX SPECIALTY EQUIPMENT REFERENCE TAG
	XX - DETAIL NUMBER
	XXX - SHEET NO. WHERE DETAIL IS LOCATED
LINE LEGEND	
	CIRCUIT HOMERUN TO 20A/1P BREAKER UNLESS SHOWN OTHERWISE ON DRAWINGS.
	INDICATES ITEMS CONNECTED TO SAME CIRCUIT BUT CONTROLLED SEPARATELY
	INDICATES ITEMS CONNECTED TO SAME CIRCUIT AND CONTROLLED TOGETHER
	BURIED UNDERGROUND CONDUIT
ABBREVIATIONS	
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CCU	COOLING CONDENSER UNIT
CKT	CIRCUIT
CM	CEILING MOUNTED
CT	CURRENT TRANSFORMER
CON	CONTACTOR
CP	CONTROL PANEL
CUH	CABINET UNIT HEATER
DIS	DISCONNECT
DM	DEMARC
EB	EXISTNG BREAKER TO REMAIN UNLESS NOTED OTHERWISE
EBB	ELECTRICAL BASE BOARD
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EL	ELEVATION
EM	EMERGENCY
EQ	EQUIPMENT
EOL	END OF LINE RESISTOR
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WALL HEATER
EX	EXPLOSION PROOF
F	FUSIBLE PROOF
FBO	FURNISHED BY OTHERS
FC	VARIABLE SPEED FAN CONTROL SWITCH
FR	FREEZER
FSD	FIRE SMOKE DAMPER
GC	GENERAL CONTRACTOR
(GFI)	GROUND FAULT INTERRUPTER BREAKER LOCATED IN ELECTRICAL PANEL
GND	GROUND
GSP	GYM SWITCH PANEL
GUH	GAS UNIT HEATER
HF	HEAT FAN
HP	HORSE POWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IDF	INTERMEDIATE DISTRIBUTION FRAME
JB	JUNCTION BOX
MAU	MAKEUP AIR UNIT
MB	MOTORIZED BACKBOARD
MC	MECHANICAL CONTRACTOR
MDF	MAIN DISTRIBUTION FRAME
MOD	MOTOR OPERATED DAMPER
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
NL	NIGHT LIGHT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OHD	OVERHEAD DOOR
OC	ON CENTER
PDB	PUNCH DOWN BLOCK
PNL	PANELBOARD
PS	POWER SUPPLY
RCP	RELAY CONTROL PANEL
RTU	ROOF TOP UNIT
SAP	SECURITY ANNUNCIATOR PANEL
SCP	SECURITY CONTROL PANEL
SD	SMOKE DAMPER
SJB	SOUND SYSTEM JUNCTION BOX
SPD	SURGE PROTECTION DEVICE
SS	STAINLESS STEEL
SV	SOLENOID VALVE
TC	TELECOMMUNICATION CLOSET
TGP	TEMPERATURE CONTROL PANEL
TGB	TELECOMMUNICATION GROUND BAR MASTER
TJB	TERMINAL JUNCTION BOX
TRN	TRANSFORMER
TRS	TRANSFER SWITCH
TTB	TELEPHONE TERMINAL BOARD
UC	UNDERCOUNTER
UPS	UNINTERRUPTED POWER SUPPLY
UH	UNIT HEATER
VFD	VARIABLE FREQUENCY DRIVE
W	WELDER
WE	WALL EXHAUST
WG	WIRE GUARD
WH	WATER HEATER
WP	WEATHER PROOF
WP/GFI	WEATHER PROOF / GROUND FAULT INTERRUPTER
XP	CLASS 1, DIV. 1 EQUIPMENT

ELECTRICAL SHEET LIST	
Sheet Number	Sheet Name
E000	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E050	ELECTRICAL SITE PLAN
E101L	FLOOR PLAN - LIGHTING
E101P	FLOOR PLAN - POWER
E200	ONE-LINE DIAGRAM
E300	ELECTRICAL DETAILS & FIXTURE SCHEDULE

PLOT DATE: 10/21/2025 10:27:21

Adams County Castle Rock Maintenance Bldg (05056005) Castle Rock Maintenance Building, ELECT, R04.v4

PROJECT DATE:	OCTOBER 21, 2025	DRAWN BY:	DLO	DESIGNED BY:	MTP	CHECKED BY:	MTP	No	DATE	REVISIONS	BY



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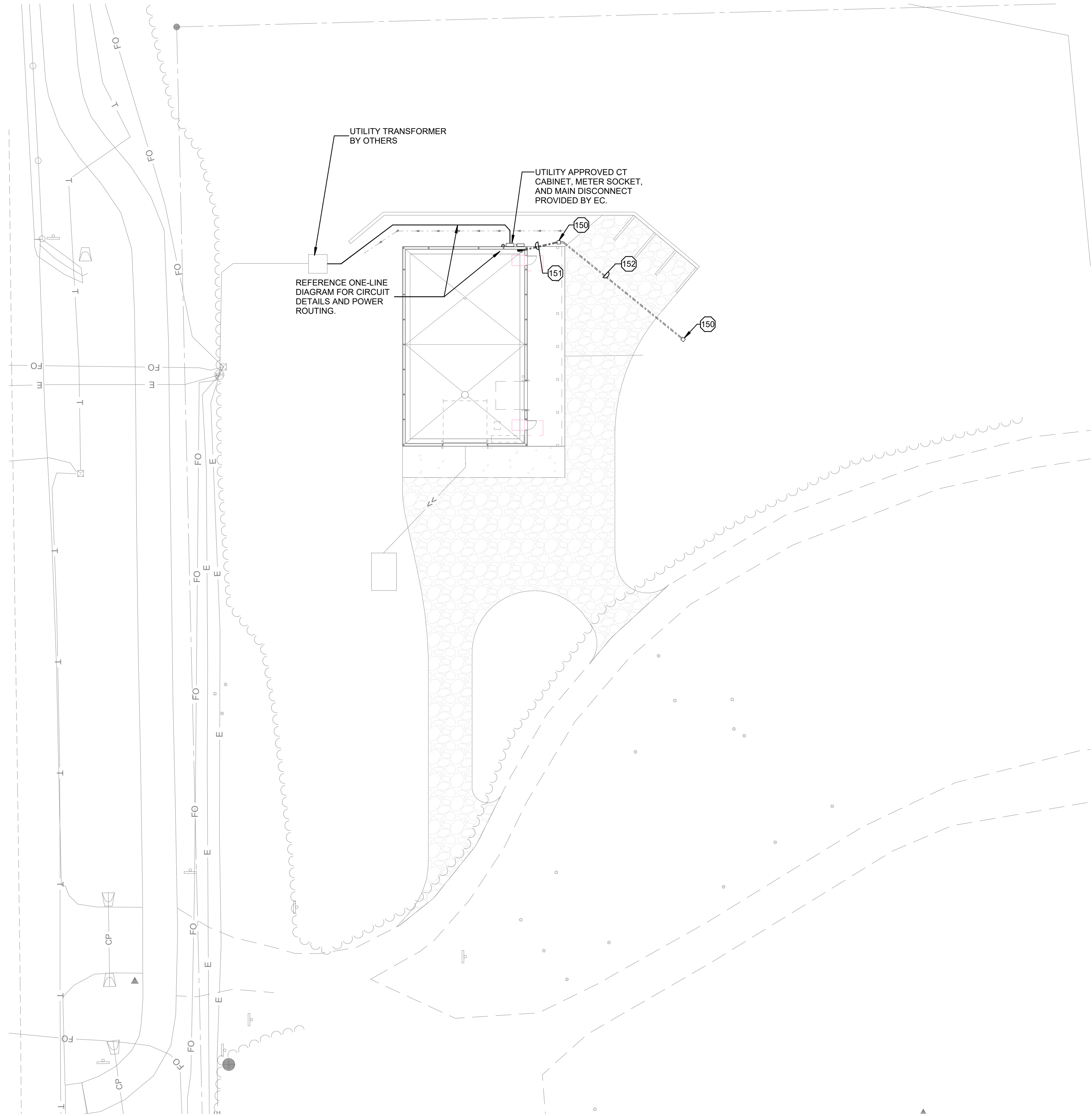
ADAMS COUNTY CASTLE ROCK PARK MAINTENANCE BLDG  
ADAMS COUNTY  
FRIENDSHIP, WI

ELECTRICAL SYMBOLS AND ABBREVIATIONS

PROJECT NO.  
05056005  
SHEET  
E000

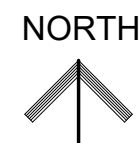


10/21/2025 10:27:22 Autodesk Civil 3D 2025 Adams County Castle Rock Maintenance Shed 05056005 Castle Rock Maintenance Building\_ELECT\_2024.rvt PLOT DATE: 10/21/2025 10:27:22



ELECTRICAL SITE PLAN

1" = 20'-0" (22"=34") 0 10 20 40  
1/2" = 20'-0" (11"X17")



GENERAL NOTES

- UNLESS SHOWN OTHERWISE, ALL WIRING SHOWN IS (2)#10 AND #10 GROUND IN 1" PVC.
- INSTALL PULL CORD IN ALL EMPTY CONDUITS.
- UNLESS SHOWN OTHERWISE, ALL CONDUITS BURIED 2'-6" BELOW FINISHED GRADE.
- BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL CONDITION IF TRENCHING IS DONE ON COMPACTED SURFACES.
- ALL CONDUITS STUBBED OUT OF BUILDINGS SHALL BE DONE PER DETAIL 1  
E300.
- PROVIDE EMPTY UNDERGROUND CONDUITS AND HAND HOLES FOR OWNER FUTURE USE. THE (2) EMPTY 2-1/2" CONDUITS ARE INTENDED FOR POTENTIAL FUTURE RV CAMPSITE ELECTRICAL PEDESTALS BY OWNER. THE (2) SPARE 100A / 2P BREAKERS FO ELECTRICAL PANEL "MDP" ARE PROVIDED FOR THIS INTENDED FUTURE USE BY OWNER.

PLAN NOTES (X)

- |     |   |
|-----|---|
| 150 | PROVIDE HAND HOLE FLUSH WITH GRADE PER DETAIL, FOR OWNER FUTURE USE.  |
| 151 | PROVIDE (1) EMPTY 1-1/2" RGS CONDUIT AND (2) EMPTY 2-1/2" RGS CONDUITS FOR OWNER FUTURE USE.  |
| 152 | PROVIDE (2) EMPTY 2-1/2" SCH 80 PVC CONDUITS INTENDED FOR POTENTIAL FUTURE RV CAMPSITE ELECTRICAL PEDESTALS BY OWNER. PROVIDE (2) SPARE 100A / 2P BREAKERS OF ELECTRICAL PANEL "MDP" FOR THIS INTENDED FUTURE USE BY OWNER - REFER TO ONE-LINE DIAGRAM ON SHEET E200. |

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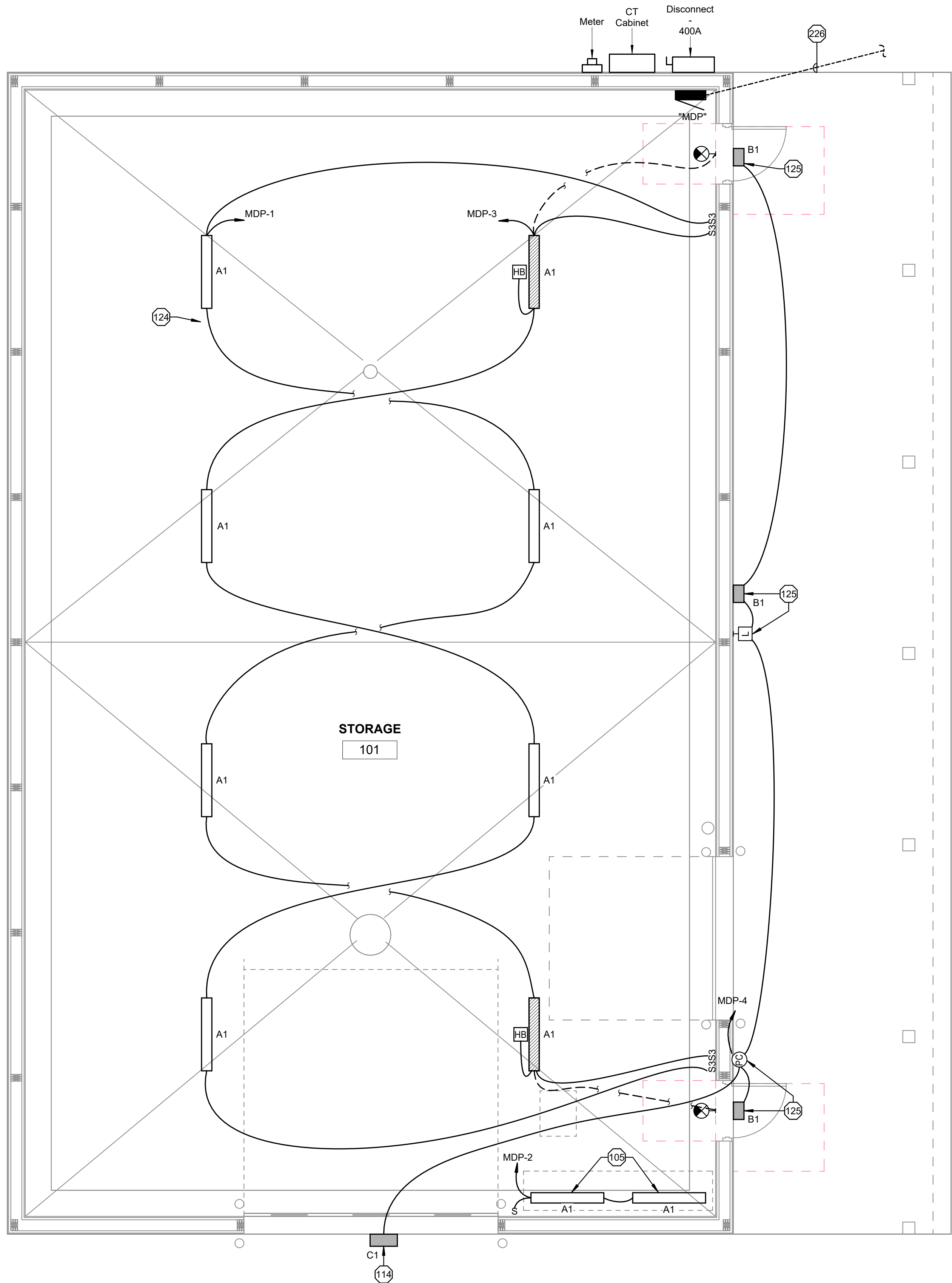
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ELECTRICAL SITE PLAN

PROJECT NO.  
05056005  
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E050

10/21/2025 10:27:23 - Autodesk Docs:05056005\_Adams County Castle Rock Maintenance Shop (05056005 Castle Rock Maintenance Building\_ELECT\_0504.rvt) PLOT DATE: 10/21/2025 10:27:23




FLOOR PLAN - LIGHTING

1/4" = 1'-0" (22"x34")  
1/8" = 1'-0" (11"x17")



GENERAL NOTES

- IN ROOMS WITH OCCUPANCY SENSOR ALL LIGHTING IN ROOM SHALL BE CONTROLLED BY SENSOR UNLESS SPECIFICALLY SHOWN AS NIGHTLIGHT. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL **E300**.
- SHADED FIXTURE (  ) INDICATES FIXTURE SHALL BE PROVIDED WITH INTEGRAL EMERGENCY BATTERY.

PLAN NOTES (X)

- |     |  |
|-----|--|
| 105 | WORKBENCH FIXTURES TO BE SUSPENDED FROM METAL CIELING 5'-0" TO BOTTOM OF FIXTURE (FIXTURE TO BE MOUNTED AT 9'-0" FROM GARAGE FLOOR). |
| 114 | MOUNT AT 13'-6" AFG.   |
| 124 | MOUNT FIXTURES TO GARAGE CEILING PER MANUFACTURER GUIDELINES.  |
| 125 | MOUNT AT 10'-0" AFG.   |
| 226 | REFER TO ELECTRICAL SITE PLAN (SHEET E050) FOR REQUIRED UNDERGROUND CONDUITS AND HAND HOLES.   |

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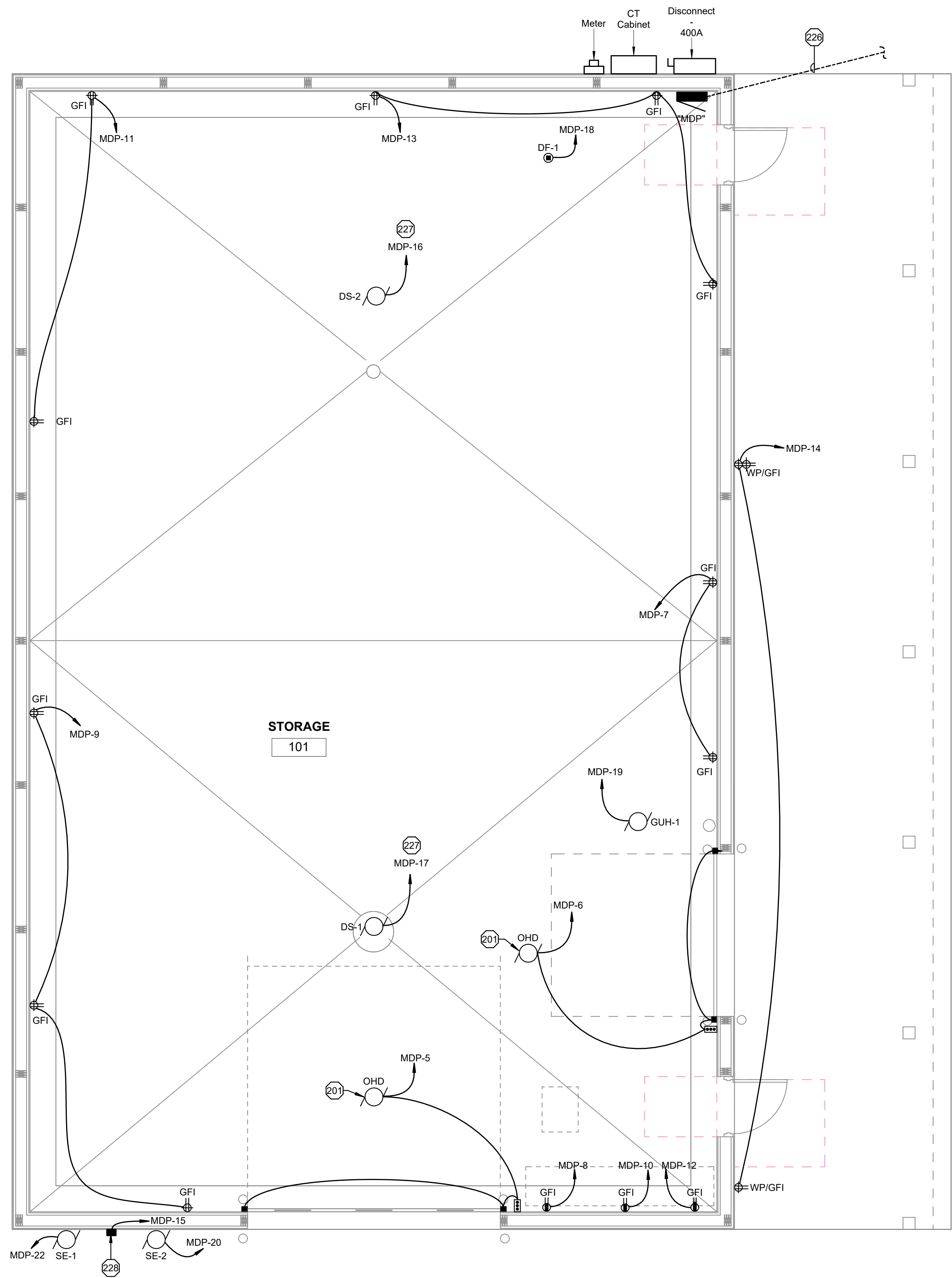
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ADAMS COUNTY  
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FLOOR PLAN - LIGHTING

PROJECT NO.  
05056005  
SHEET  
E101L



10/21/2025 10:27:23 - Autodesk Docs:05056005 - Adams County Castle Rock Maintenance Shop (05056005) Castle Rock Maintenance Building - ELEC\_201-11



### FLOOR PLAN - POWER

1/4" = 1'-0" (22"x34")  
1/8" = 1'-0" (11"x17")



### GENERAL NOTES

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL [4](#) [E300](#).
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL [1](#) [E300](#).
3. CONFIRM EXACT LOCATION OF ALL OUTLETS WITH OWNER PRIOR TO ROUGH-IN.
4. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

### PLAN NOTES (X)

- 201 PROVIDE CONNECTION TO OVERHEAD DOOR OPERATOR. MOUNT AND WIRE ALL CONTROLS. VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIED PRIOR TO ROUGH-IN. PROVIDE SWITCH NEAR OPERATOR TO DISCONNECT POWER TO OPERATOR. PROVIDE ENGRAVED LABEL, SEE DETAIL [2](#) [E300](#).
- 226 REFER TO ELECTRICAL SITE PLAN (SHEET E050) FOR REQUIRED UNDERGROUND CONDUITS AND HAND HOLES.
- 227 INSTALL FAN CONTROL AT A LOCATION THAT HAS BEEN SELECTED AND COORDINATED WITH OWNER AND MECHANICAL CONTRACTOR. FAN CONTROL DEVICE PROVIDED BY OTHERS, BUT CONTROL DEVICE BOX, CONDUIT, AND WIRING BY E.C.
- 228 HOLDING TANK ALARM PANEL PROVIDED BY OTHERS, BUT 120V POWER CONNECTION BY E.C.

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FLOOR PLAN - POWER

PROJECT NO.  
05056005  
SHEET  
E101P





PLOT DATE: 10/21/2025 10:27:38  
A:\Adams County Castle Rock Maintenance Bldg (05056005) Castle Rock Maintenance Building - ELEC - R04.dwg

CASTLE ROCK MAINTENANCE BUILDING FIXTURE SCHEDULE

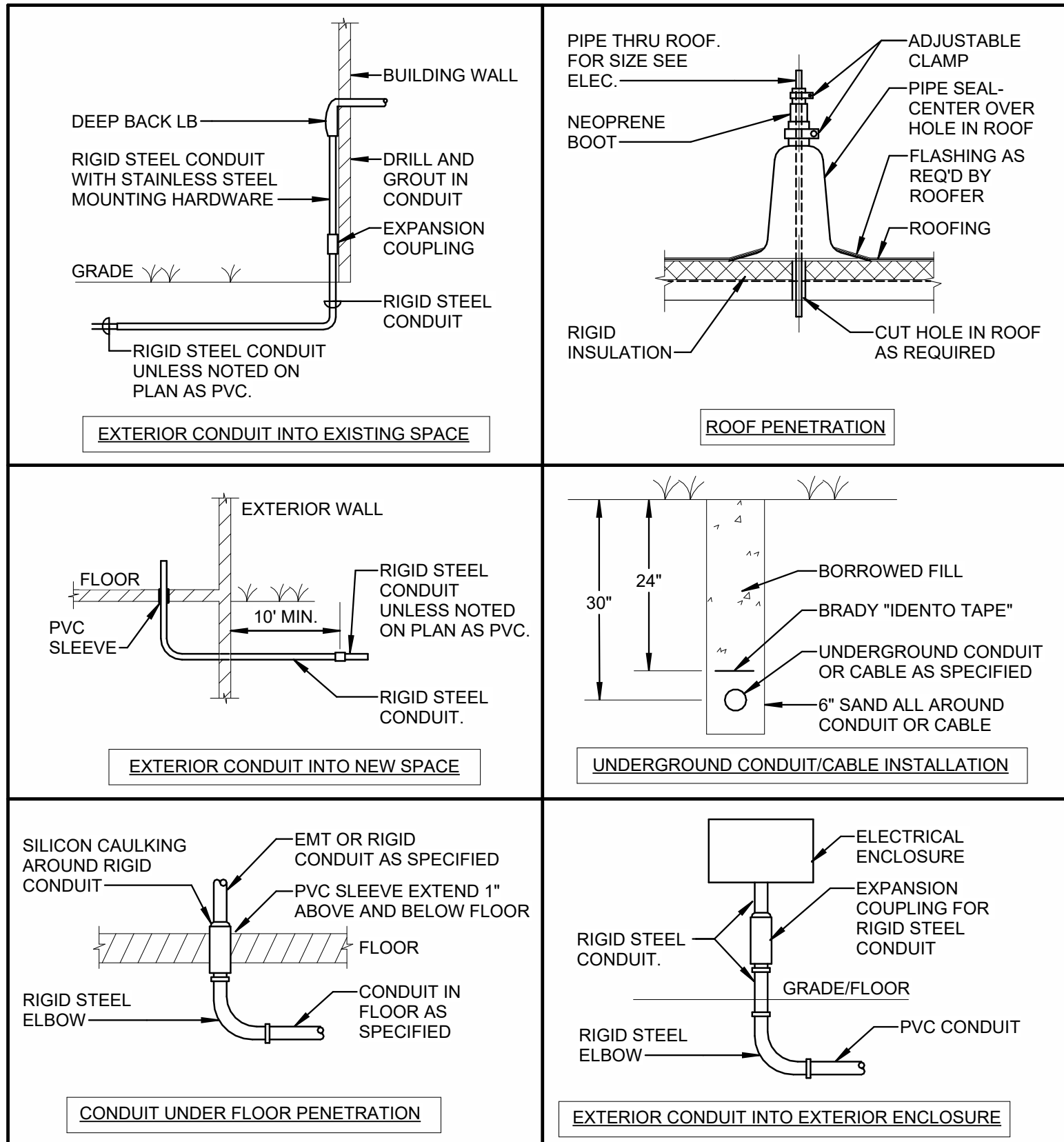
TYPE	DESCRIPTION	WATTS	LAMP TYPE	MANUFACTURER	CATALOG NUMBER	NOTE
A1	LOW PROFILE ENCLOSED GASKETED LED	39	4000K LED	LITHONIA	6000LM LPPFL WD MVOLT GZ10	2, 4, 5
B1	WDGE2 LED W/ P4- PERFORMANCE PACKAGE, 4000K, 80CRI, TYPE 1 SHORT OPTIC	23	4000K LED	LITHONIA	WDGE2 LED P3 40K 80CRI VW MVOLT SRM	1, 3
C1	WDGE3 LED W/ P4- PERFORMANCE PACKAGE, 4000K, 80CRI FORWARD THROW OPTIC	59	4000K LED	LITHONIA	WDGE3 LED P2 40K 80CRI RFT MVOLT SRM	1, 3
	WALL MOUNT EXIT LIGHT	3.5	N/A	LITHONIA	LQM S W RG MVOLT EL HO M6	

GENERAL NOTES:

1. ALL FIXTURES SHALL BE UNIVERSAL VOLTAGE UNLESS OTHERWISE NOTED.
2. ALL INTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 80+.

SCHEDULE NOTES:

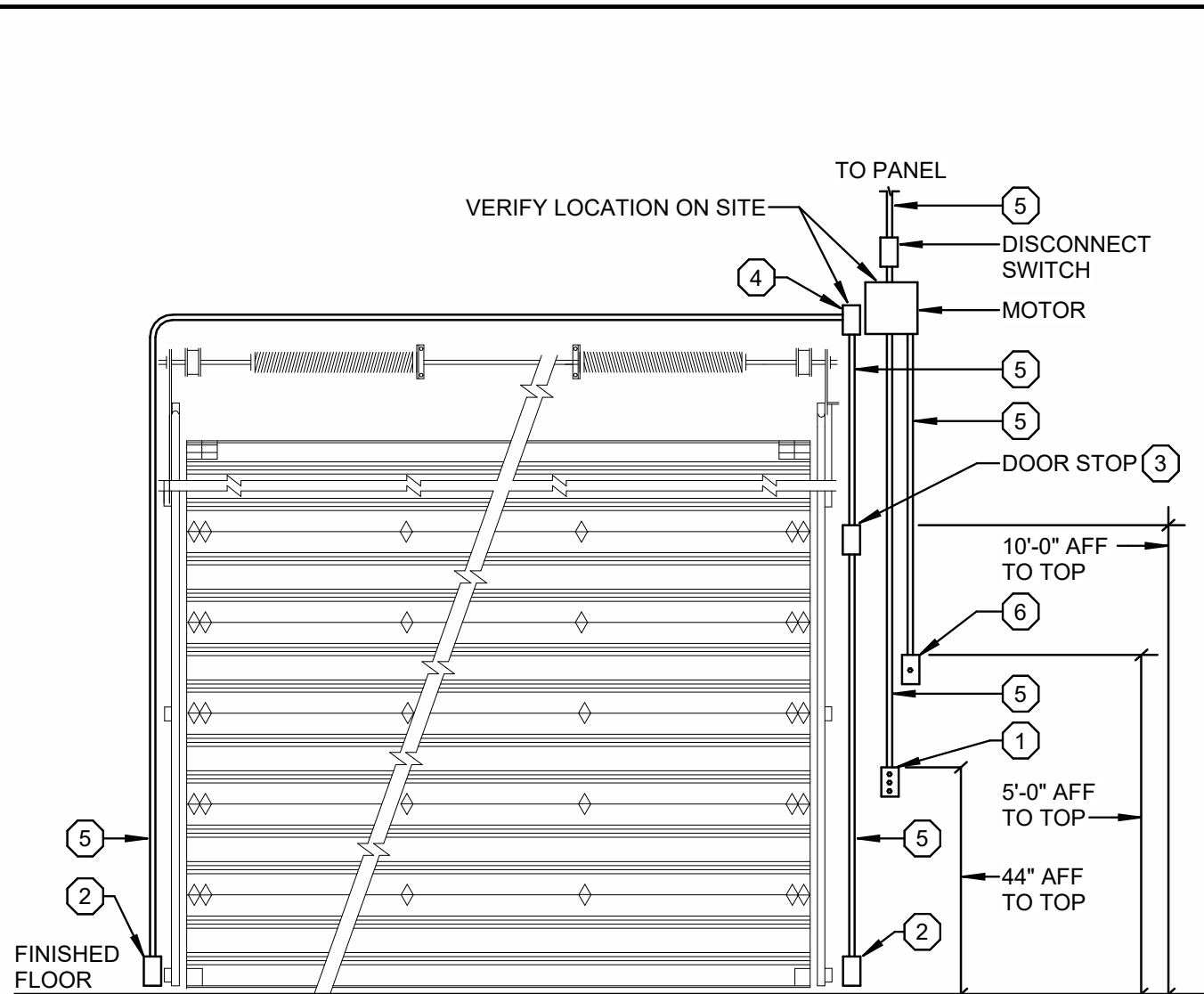
1. VERIFY FINISH WITH ARCHITECT FROM ALL STANDARD OPTIONS AVAILABLE.
2. PROVIDE ALL NECESSARY MOUNTING CANOPIES.
3. VERIFY MOUNTING HEIGHTS WITH DRAWINGS AND ARCHITECT PRIOR TO ROUGH-IN.
4. PROVIDE ALL NECESSARY CHAINS AND HANGERS FOR A COMPLETE INSTALLATION.
5. PROVIDE INTEGRAL BATTERY FOR SHADED FIXTURES (BE6WCP FOR LITHONIA).



NOTES:

1. E.C. MAY USE PVC COATED RIGID STEEL CONDUIT IN LIEU OF RIGID CONDUIT AND PVC SLEEVE.
2. PVC SLEEVE TO BE AS SNUG AS POSSIBLE ON RIGID CONDUIT.

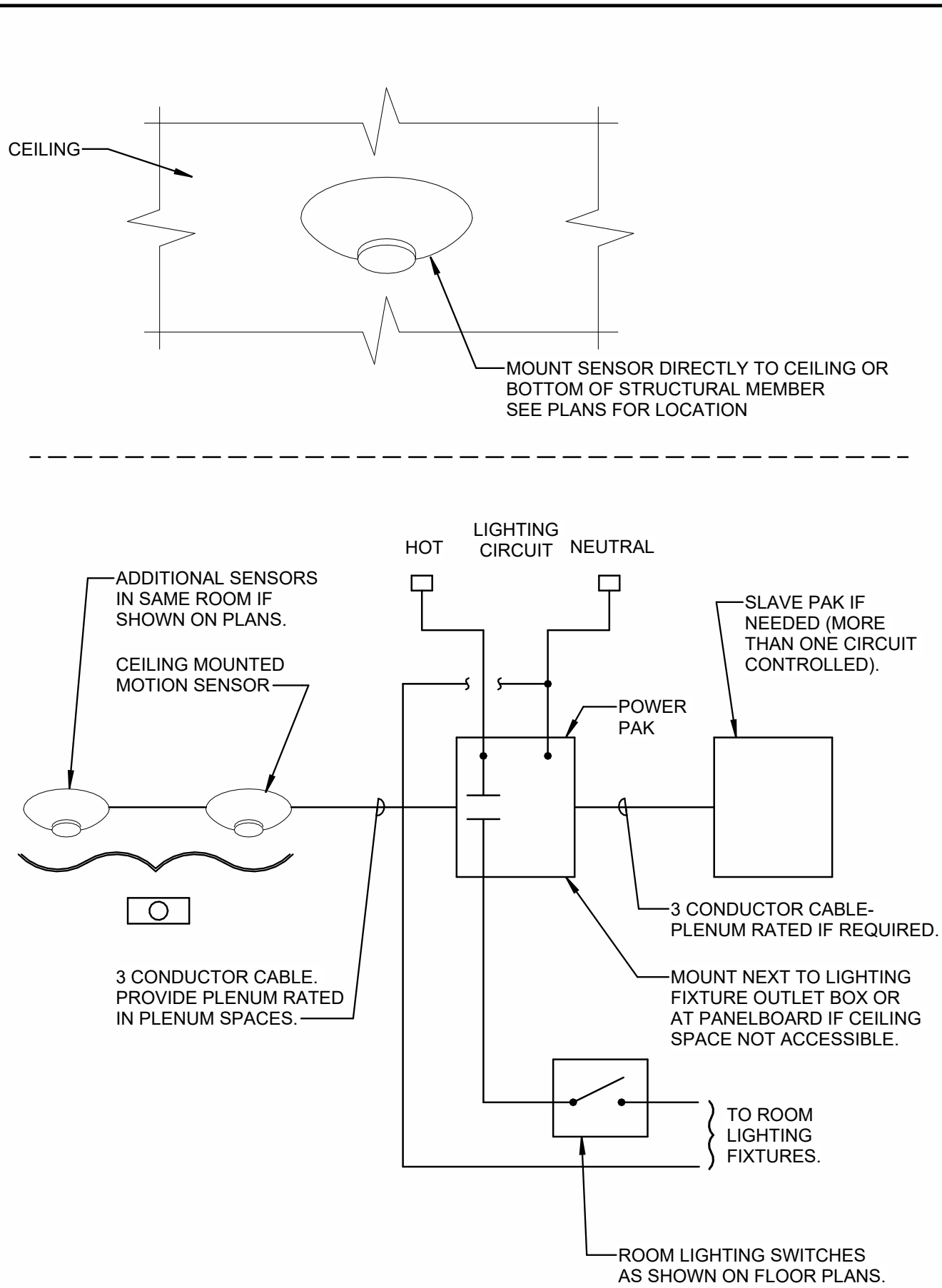
**1**  
**E300**  
CONDUIT DETAILS  
SCALE: NTS



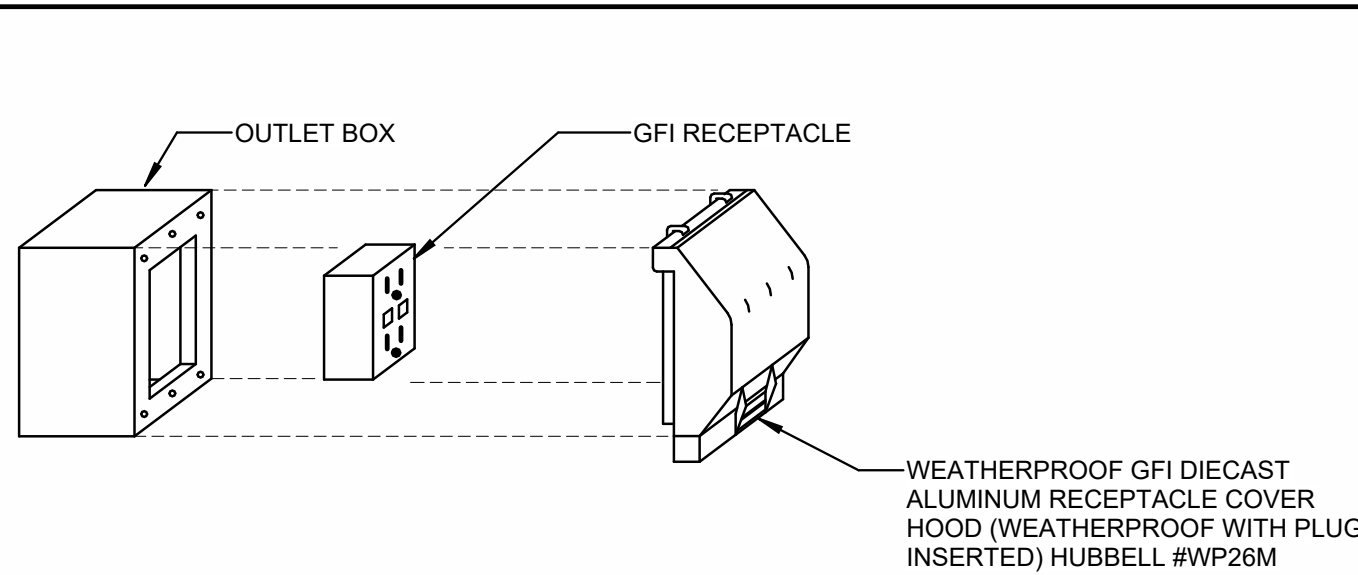
PLAN NOTES: (X)

1. 1-GANG PUSH BUTTON DOOR OPENER (FBO) FLUSH MOUNTED ON BUILDING INTERIOR.
2. PROVIDE A FLUSH 1-GANG J-BOX FOR STOP EYE, WIRING BY SUPPLIER.
3. PROVIDE A FLUSH 1-GANG J-BOX FOR STOP SWITCH, WIRING BY SUPPLIER.
4. PROVIDE A FLUSH 1-GANG J-BOX FOR CONTROL, WIRING BY SUPPLIER.
5. PROVIDE A FLUSH MOUNTED 1/2"C.
6. PROVIDE A FLUSH MOUNTED 1-GANG J-BOX FOR DOOR CIRCUIT INDICATOR LED. WIRING BY SUPPLIER.

**2**  
**E300**  
OVERHEAD GARAGE DOOR DETAIL WITH INDICATOR  
SCALE: NTS



**3**  
**E300**  
MOTION SENSOR LIGHTING CONTROL  
SCALE: NTS



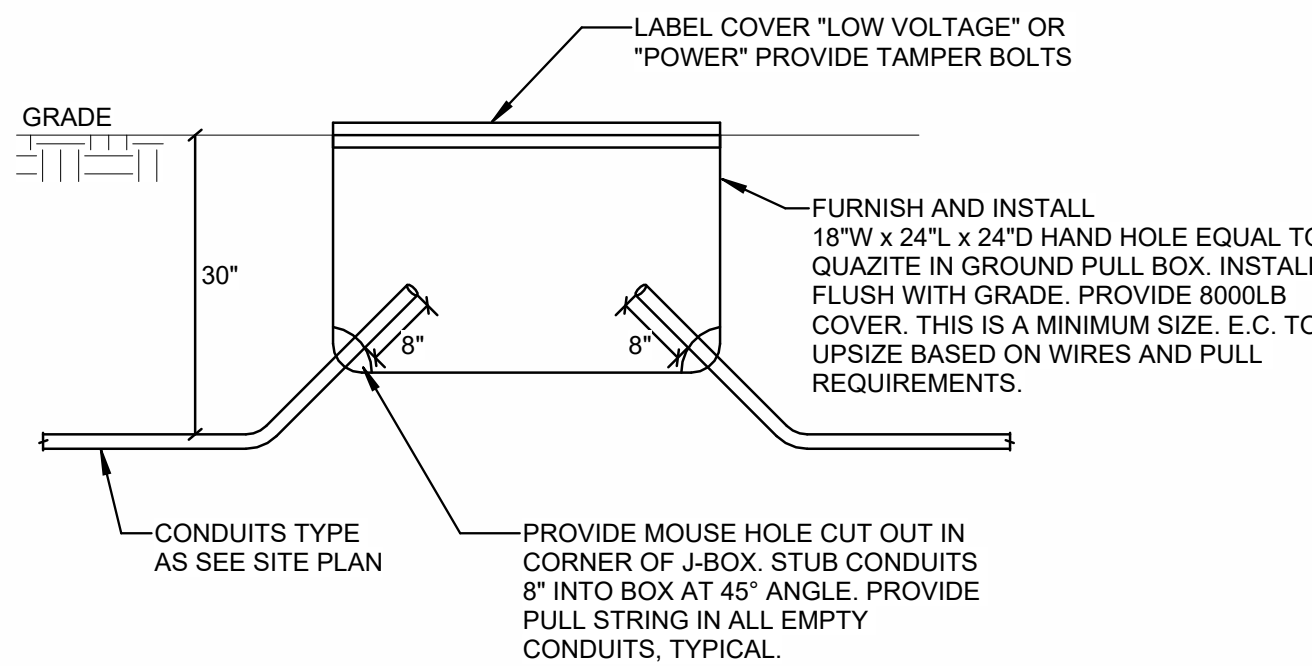
NOTE:

FOR ALL NEW CONSTRUCTION BOX IS TO BE FLUSH MOUNTED.

OUTLET BOX:

FLUSH: 3 1/2" DEEP 1-GANG MASONRY BOX SURFACE: F.S. BOX

**4**  
**E300**  
GFI/WP RECEPTACLE MOUNTING DETAIL  
SCALE: NTS



**5**  
**E300**  
QUAZITE BELOW GRADE PULL BOX  
SCALE: NTS

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ELECTRICAL DETAILS & FIXTURE SCHEDULE

PROJECT NO.  
05056005  
SHEET  
E300