



Worcester County Administration Office  
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Snow Hill, MD 21863  
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Email: [nrice@co.worcester.md.us](mailto:nrice@co.worcester.md.us)

## **Addendum # 1 Recreation Center Storage Addition**

Date of Addendum: 5/25/2023

### **NOTICE TO ALL BIDDERS AND PLANHOLDERS**

The Bid Documents for the above-referenced Project are modified as set forth in this Addendum. The original Bid Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the Bid Documents. Vendors will take this Addendum into consideration when preparing and submitting a bid, and shall acknowledge receipt of this Addendum in the space provided in the Bid Documents.

### **BID SUBMITTAL DEADLINE**

The bid submittal time has been changed from Friday, June 9, 2023 at 2:30pm to Monday, June 12, 2023 at 2:30pm. The last day for questions has been extended to noon on Friday, June 2, 2023.

### **1.0 – ATTACHMENTS**

<b>Item</b>	<b>Description</b>
1.1	REVISED FORM OF BID – The revised form of bid is to be used in lieu of the Form of Bid provided in the original Bid Documents. This revision includes a potential add alternate.
1.2	Pre-Bid Minutes
1.3	Pre-Bid Sign-In Sheet
1.4	Updated Project Drawings dated 5/24/23 – These updated drawings include the revisions listed in the Pre-Bid Minutes

**END OF ADDENDUM**

## REVISED - FORM OF BID

To whom it may concern:

We hereby submit our Bid Documents for “WORCESTER COUNTY RECREATION CENTER STORAGE ADDITION” as indicated in the Bid Documents. Having carefully examined the Bid Documents and having received clarification on all items of conflict or upon which any doubt arose, the undersigned hereby requests consideration of our Vendor for award of the referenced Bid.

ITEM	DESCRIPTION	EXTENDED PRICE
1	Provide labor, materials and equipment for the construction of an addition to the existing Worcester County Recreation Center as stated in the Bid Specifications.	

**ADD ALTERNATE**

ITEM	DESCRIPTION	EXTENDED PRICE
1	Provide and install an interior roll-up door in lieu of a double door – see architectural drawings update.	

Vendor agrees to have the Work completed within 12 months of Notice to Proceed. (Yes)\_\_\_\_ (No)\_\_\_\_  
 \_\_\_\_\_ Check One.

Have you included your certificate of good standing with the State of Maryland? (See Section I, Subsection H.1 for more information.) (Yes)\_\_\_\_ (No)\_\_\_\_ Check One.

Is your company currently involved in any active litigation? (Yes)\_\_\_\_ (No)\_\_\_\_ Check One.

Is your company currently involved in any mergers or acquisitions? (Yes)\_\_\_\_ (No)\_\_\_\_ Check One.

The Vendor agrees that their bid will be good for at least sixty days unless otherwise indicated in the bid specifications.

Note: This bid form must be signed by an officer of your company or an authorized agent for this bid to be considered valid by the county.

\_\_\_\_\_  
 Sign for Identification

\_\_\_\_\_  
 Printed Name

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Email

## WC Recreation Storage Addition Pre-bid Meeting Notes

5/19/23 at 10:00 AM

1. Worcester County began the meeting with introductions including:
  - a. Nicholas Rice, Purchasing Officer
  - b. Kelly Rados, Director of Recreation and Parks
  - c. Jacob Stevens, Parks Superintendent
  - d. Bill Bradshaw, County Engineer
  - e. Jason Pearce, Architect, Becker Morgan
2. Mr. Rice reviewed the bid submission location of Worcester County Government Center Administration Office by 2:30 PM on June 9, 2023.
  - a. Bid due date has been extended to Monday, June 12<sup>th</sup> at 2:30pm.
3. All questions shall be directed to the Purchasing officer. All questions must be submitted by noon on May 31, 2023.
  - a. The last day for questions has been extended to noon on Friday, June 2<sup>nd</sup>.
4. Attendance lists will be attached to the meeting notes and addendum.
5. The project scope was reviewed and includes the supply and installation of a pre-fabricated metal building lean-to style on the West side of the existing main structure. The addition is approximately 1,500 square feet in area. The project will include underground gas line re-location prior to foundation installation. The project also includes sidewalks and access road relocation. Owner access to the existing building will need to be maintained during the project.
6. The existing building manufacturer is CECO.
7. Permits will be required for the gas line relocation and for the building construction. Worcester County is the permitting authority and the permit will be no fee to the successful contractor. Specialty inspections including concrete (testing and inspection), electrical, and steel are the responsibility of the contractor and are third party requiring payment by the contractor as needed to complete the project.
8. The goal of the project is to blend in look with the existing structure (similar to rear storage lean-to addition) which is shown in the drawing elevation plans.
9. Submittals for material and equipment are required. Shop submittals are required for the building structural drawing and must be sealed by a Maryland Professional Engineer.
10. The architectural drawings will be updated as an addendum.
11. An add alternate is added for an interior roll-up door supply and install in lieu of a double door – see architectural drawings update.
12. The owner will install the electrical, mechanical HVAC, and fire alarm systems. The contractor will have responsibility for the fire suppression system design, supply and installation. See revised architectural drawing G001 notes.
13. The contractor will supply temporary electrical (e.g. lighting, tooling) and temporary heat as needed to complete the project.
14. Door hardware specifications are included per discussion at the pre-bid meeting – see architectural drawings update.
15. The site and building were toured by all attendees.
16. Meeting adjourned from tour.

## Revised Drawings – Becker Morgan

### Permit Revisions:

- 1) Drawing Sheet G001 – General Mechanical, Electrical, & Plumbing Notes: Note added - “2f. Egress lighting and exit signs as required by code.”
- 2) Drawing Sheet G101 – Construction Type corrected from Type III-B to Type II-B non-combustible. Type II-B does not require rated building components.
- 3) Drawing Sheet C-001 – Owners Certification – Name changed to current President.
- 4) Drawing Sheet C-002 – Note added below Demolition Construction Notes – “There are existing buried electric cables beyond the existing trash dumpster. There is a buried gas line running to the rear of the building (location unknown) that will need to be located prior to any work being performed.”
- 5) Drawing Sheet S001 – Wind load design data changed from 120mph to 124 mph.
- 6) Drawing Sheet A301 – Detail 3 revised to show continuous R-10 exterior insulation at exterior face of slab/foundation in lieu of insulation below the slab to comply with IECC.

### Addendum One Revisions (clouded)

- 1) Drawing Sheet G001 – General Mechanical, Electrical, & Plumbing Notes – revised as noted
- 2) Drawing Sheet S101 – Notes – Add Alternate Note 2 added.
- 3) Drawing Sheet A101 – Add Alternate Partial Plan 1A added.
- 4) Drawing Sheet A101 – Metal Liner Panel note added to Wall Section 3 for further clarification of Detail 4.
- 5) Drawing Sheet A601 – Door Schedule, Drawings, & Notes updated. Door Hardware Schedule added.



Worcester County Commissioners Office

Pre-Bid Sign In Sheet

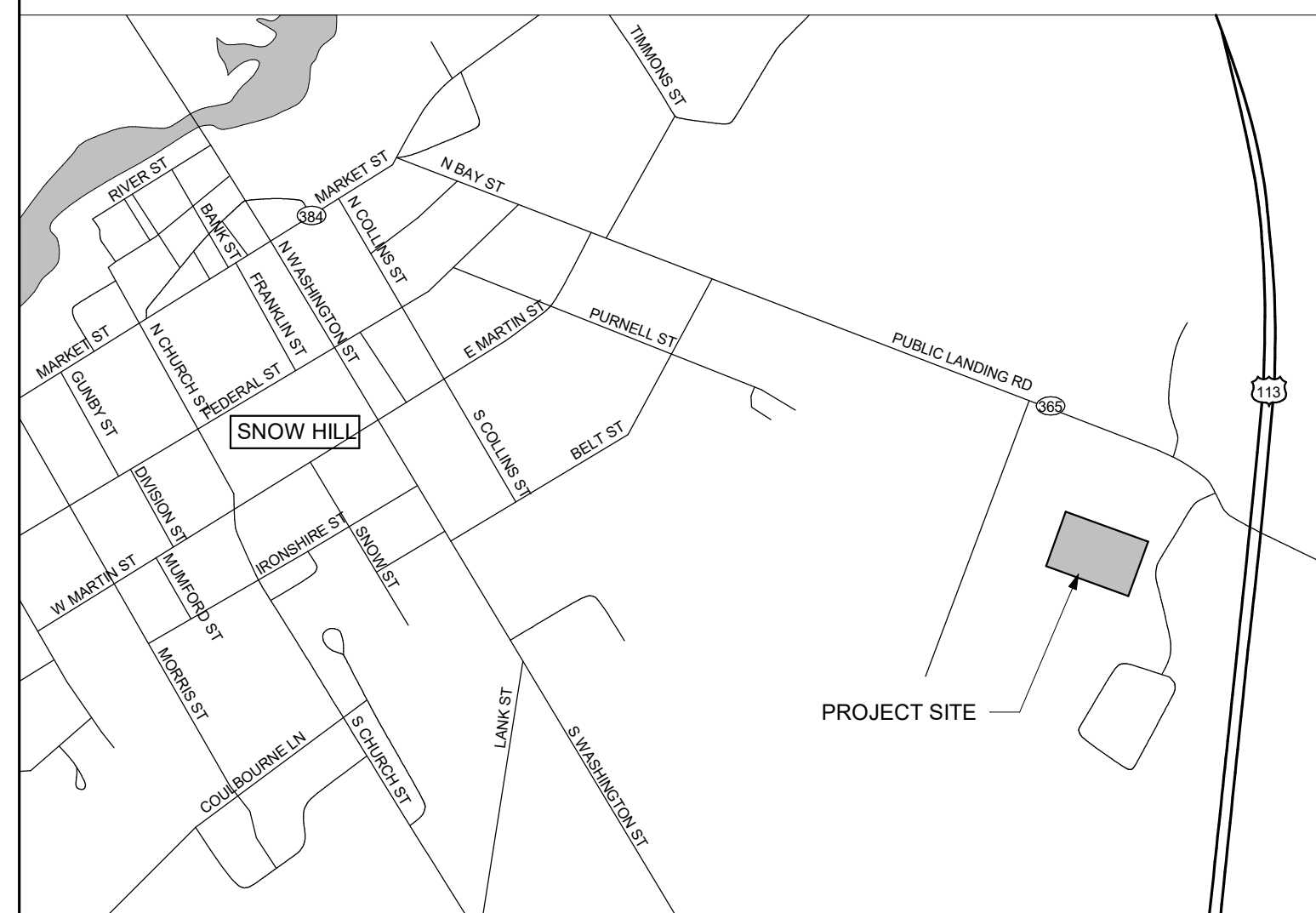
Bid: Rec Center Storage Addition

Date: 5/19/23

Name	Company	Title	Phone	E-Mail	Signature
<u>Dobbs Rice</u>	<u>Worcester County</u>	<u>Procurement Officer</u>	<u>On Site</u>	<u>[Signature]</u>	<u>[Signature]</u>
<u>KELLY RADOS</u>	<u>WORCESTER CO REC. PARKS</u>	<u>DIRECTOR P.P</u>	<u>410-632-2144 x8302</u>	<u>krados@co.worcesr.ma.us</u>	<u>[Signature]</u>
<u>Jimmy Johnson</u>	<u>REC</u>	<u>PM</u>	<u>410-749-0445</u>	<u>Jim Johnson @Procurement.com</u>	<u>[Signature]</u>
<u>Jason Peakes</u>	<u>Becken-Homans</u>	<u>Architect</u>	<u>410-546-9100</u>	<u>jpeakes@beckenhomans.com</u>	<u>[Signature]</u>
<u>Eric Bradshaw</u>	<u>WE</u>	<u>ENR</u>	<u>410-632-1200</u>	<u>bradshaw@co.worcesr.ma.us</u>	<u>[Signature]</u>
<u>DAN BYRER</u>	<u>EVANS BROS</u>	<u>PEERS</u>	<u>410-749-4600</u>	<u>daniel@evansbrothers.com</u>	<u>[Signature]</u>
<u>Bill Henley</u>	<u>AMENY CONSTRUCTION</u>	<u>DM</u>	<u>240-762-1268</u>	<u>Bill Henley construction.com</u>	<u>[Signature]</u>
<u>Tuesday Nicholson</u>	<u>David A. Bramble</u>	<u>FE</u>	<u>413-640-9403</u>	<u>Tnicholson@davidabrubble.com</u>	<u>[Signature]</u>
<u>Drake Greer</u>	<u>Bancroft</u>	<u>APM</u>	<u>302-255-6284</u>	<u>M.dawkins@bancroftusa.com</u>	<u>[Signature]</u>
<u>Kristina Koval</u>	<u>Whiting-Turner</u>	<u>PE</u>	<u>410-422-1734</u>	<u>Kristina.Koval@whiting-turner.com</u>	<u>[Signature]</u>
<u>Jacob Stephens</u>	<u>Worcester County</u>	<u>Parks Superintendent</u>	<u>413-783-9181</u>	<u>jstephens@co.worcesr.ma.us</u>	<u>[Signature]</u>



VICINITY MAP



# NEW CONSTRUCTION OF WORCESTER COUNTY RECREATION STORAGE ADDITION

ABBREVIATIONS

ACT	ACOUSTIC CEILING	F.E.C.	FIRE EXTINGUISHER	PT., PTD.	PAINTED
AC	TILE	FIN.F.F.F.	CABINERY	P.R.V.	POWER ROOF VENTILATOR
AL., ALUM.	ALUMINUM	F.OF.S.	FINISHED FLOOR	R.D.	ROOF DRAIN
A.P.	ACCESS PANEL	FRP	FACE OF STUD	REC.	RECESSED
A.R.GWB	ABUSE RESISTANT	FRP	FIREGLASS	RECPT.	RECEPTIONIST
A.F.F.	ABOVE FINISHED FLOOR	FTG.	REINFORCED PLASTIC	REQD.	REQUIRED
BD.	BOARD	F.V.C.	FOOTING	REQD.	REQUIRED
B.LDG.	BUILDING	FURR.	FURRING	R.L.	RAIN LEADER
B.M.	BENCH MARK	F.V.	FIELD VERIFY	R.M.	ROOM
BRG.	BEARING	F.V.C.	FIRE VALVE CABINET	R.O.	ROUGH OPENING
CAB.	CABINET	G.B.	GAUGE	RUB.	RUBBER (WALL BASE)
CB, C.B.	CHALKBOARD	G.B.	GRAB BAR	S.D.	SOAP DISPENSER
C.T.	CERAMIC TILE	G.W.B. GWB	GYP.SUM BOARD	S.G.F.T.	STRUCT. GLAZED
C.H.	CEILING HEIGHT	H.	HEIGHT	S.G.F.T.	FACING TILE
C.I., C.J.	CONTROL JOINT	H.C.	HANDICAPPED	S.H.	SHOWER HEAD
CLG.	CENTER LINE	HDW.	HARDWARE	SHT.	SHEET
CLO, C.	CLOSET	H.M.	HOLLOW METAL	SIM.	SIMILAR
CLR.	CLEAR	HR.	HOUR	S.M.	SURFACE MOUNTED
C.M.U., CMU	CONCRETE	H.P.	HIGH POINT	S.P.	STAND PIPE
COL.	COLUMN	ID.	INSIDE DIAMETER	S.S.	STAINLESS STEEL
CONC.	CONCRETE	INSUL.	INSULATION	S/S	STAINLESS STEEL
CONST.	CONSTRUCTION	J., JAN.	JANITOR	STL.	STEEL
CONT.	CONTINUOUS	J.O.	JOINT	STOR.	STORAGE
CORR.	CORRIDOR	JT.	JOINT	STRUC.	STRUCTURAL
C.R.	COLD ROLLED	LAM.	LAMINATE	SUSP.	SUSPENDED
D.A.	DISTURBED AREA	CONSTR.	CONSTRUCTION	SYN.F.L.	SYNTHETIC FLOOR
DET.	DETENTION	L.P.	LAVATORY	T.B.	TACKBOARD
D.F.	DRINKING FOUNTAIN	M.	MEN	TEL.	TELEPHONE
DBL	DOUBLE	MACH.	MACHINE	T.G.	TONGUE AND GROOVE
DA	DIAMETER	MAINT.	MAINTENANCE	THRESH.	THRESHOLD
DM.	DIMENSION	MAS.	MASONRY	T.O.B.	TOP OF BEARING
DISP.	DISPENSER	MAT.	MATERIALS	T.O.M.	TOP OF MASONRY PARAPET
DR.	DOOR	MAX.	MAXIMUM	T.P.	TOILET PAPER HOLDER
DW.	DRYWALL	MB, M.B.	MARKER BOARD	T.S.	TACK STRIP
DS	DOWNSPOUT	MECH.	MECHANICAL	T.W.	TEACHING WALL
DWG.	DRAWING	MET., MTL.	METAL	TYP.	TYPICAL
E.A.	EACH	MFR.	MANUFACTURER	U.L.	UNDERWRITERS
E.J., EJ	EXTERIOR	MIN.	MINIMUM	LABORATORIES	LABORATORIES
ELEC.	ELECTRIC WATER	M.O.	MASONRY OPENING	U.O.N. U.N.O.	UNLESS OTHERWISE NOTED
EP	EPOXY PAINT	M.S.	METAL SHELVING	U.S.G.	U.S. GYPSUM COMPANY
EQ.	EQUAL	MTD	MOUNTED	V.A.T.	VINYL ASBESTOS TILE
EQUIP.	EQUIPMENT	N.C.	NONCOMBUSTIBLE	V.C.T.	VINYL COMPOSITION TILE
E.W.G.	ELECTRIC	N.I.C.	NOT IN CONTRACT	VERT.	VERTICAL
EXP.	EXPANSION	NO. #	NUMBER	VEST., V.	VESTIBULE
EXT.	EXTERIOR	NOT TO SCALE	NOT TO SCALE	V.R.G.	VINYL REDUCING STRIP
F.C.	FIRE CODE	O.C.	ON CENTER	W.	WITH
F.C.U.	FAN COIL UNIT	O.D.	OUTSIDE DIAMETER	WAIN.	WAINSCOT
F.D.	FLOOR DRAIN	OFF.	OFFICE	WARD.	WARDROBE
FON.	FOUNDATION	O.H.	OPPOSITE HAND	WB, W.B.	WHITE BOARD
F.E.	FIRE EXTINGUISHER	OPNG.	OPENING	W.C.	WATER CLOSET
		PART.	PARTITION	W.C.	WOOD
		PL.	PLATE	WDR.	WARDROBE
		PLAM, P.LAM	PLASTIC LAMINATE	WL.	WALL
		P.LY, P.WD	PLYWOOD	W.M.	WALL MOUNTED
		P.NL	PANEL	W.W.W.	WELDED WIRE MESH
		PS., P.S.	PROJECTOR SCREEN		

SYMBOLS OF MATERIALS

	ALL METALS - SMALL SCALE		PARTICLE BOARD
	ACOUSTIC C.M.U. SMALL SCALE		RIGID INSULATION
	ACOUSTIC C.M.U. LARGE SCALE		SHINGLES
	INSULATION		SOLID CONCRETE MASONRY UNITS
	BRICK		STEEL - LARGE SCALE
	CAST STONE		STUD PARTITION
	CONCRETE		WOOD-FINISH
	CONCRETE MASONRY UNITS		WOOD BLOCKING
	EARTH		
	GLASS - LARGE SCALE		
	GLAZED C.M.U.		

DRAWING KEYS

	STRUCTURAL GRID LINES		SECTION
	ELEVATION		DETAILS IN PLAN, SECTION
	WALL TYPE, SEE A501		NEW WALL
	EXISTING WALL TO REMAIN		EXISTING WALL TO BE REMOVED
	ROOM NAME AND NUMBER		
	WINDOW TAG		
	DOOR TAG		

DRAWING LIST

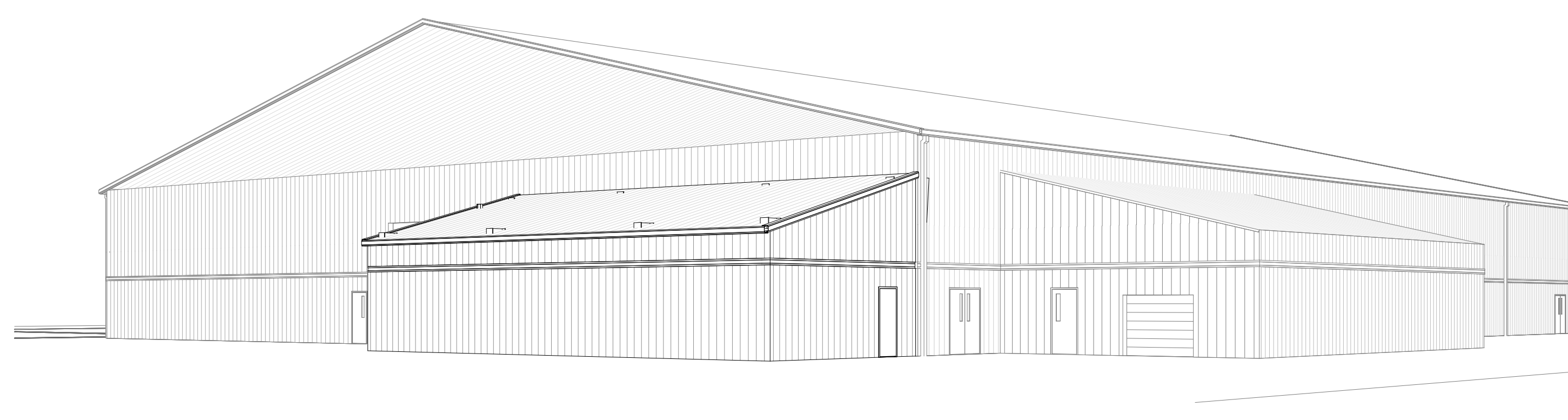
SHEET No.	SHEET TITLE
GENERAL	
G001	COVER SHEET
G101	LIFE SAFETY PLAN AND CODE STUDY
CIVIL	
C-001	SITE PLAN
C-002	EXISTING CONDITIONS & DEMOLITION PLAN
STRUCTURAL	
S001	SCHEDULES
S002	NOTES
S101.	FOUNDATION PLAN
S501	SECTIONS
ARCHITECTURAL	
A100	ARCHITECTURAL SITE PLAN
A101	FIRST FLOOR AND ROOF PLAN AND EXTERIOR ELEVATIONS
A301	BUILDING AND WALL SECTIONS AND DETAILS
A601	DOOR AND WINDOW TYPES AND SCHEDULE

GENERAL NOTES

- CODES:** ALL WORK ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, ORDINANCES, REGULATIONS, STANDARDS, AND ANY ADDITIONAL REQUIREMENT STATED IN ANY LAW, ORDINANCE, OR REGULATION PERTAINING TO CONSTRUCTION WITHIN THE LIMITS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROPOSED WORK (INCLUDING BUT NOT LIMITED TO: FIRE, ACCESSIBILITY, ZONING, WATER, WASTEWATER, ENVIRONMENTAL, STRUCTURAL, ARCHITECTURAL, HEALTH, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CONSERVATION), CONFORMITY TO ALL CODES APPLICABLE TO THIS PROJECT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- EGRESS:** ALL MEANS OF EGRESS SHALL BE CONTROLLED BY THE AUTHORITY HAVING JURISDICTION, INCLUDING EXITS, EXIT ACCESS, EXIT DISCHARGE, OTHER EGRESS PATHS, OCCUPANTS LOADS, SPRINKLER PROTECTION, ETC.
- ACCESSIBILITY:** ALL BUILDING COMPONENTS, FIXTURES, ACCESSORIES, ETC. SHALL BE INSTALLED WITH MANEUVERING AND OPERATING CLEARANCES, MOUNTING HEIGHTS, ETC. IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT STANDARDS, ICCANS117.1, AND STATE ACCESSIBILITY CODE. OPERABLE PARTS SHALL BE OPERABLE BY ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- FIELD VERIFICATION:** THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND PROPOSED BUILDING DIMENSIONS PRIOR TO CONSTRUCTION. ANY VARIATIONS, DISCREPANCIES, OR FIELD ALTERATIONS TO THESE DESIGN DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO CONSTRUCTION. IF CONTRACTOR COMMENCES CONSTRUCTION WITHOUT NOTIFYING ARCHITECT OF VARIATIONS, DISCREPANCIES, OR FIELD ALTERATIONS, THAT SHALL CONSTITUTE WAIVER TO ANY CLAIM BY CONTRACTOR FOR ADDITIONAL EXPENSES NECESSARY TO PERFORM WORK ASSOCIATED WITH THOSE CONDITIONS.
- SUBMITTALS:** CONTRACTOR SHALL SUBMIT ALL NECESSARY BUILDING COMPONENTS, SYSTEMS, EQUIPMENT, MATERIALS, FINISHES, ETC. FOR REVIEW BY ARCHITECT/OWNER PRIOR TO PROCUREMENT, FABRICATION, AND/OR INSTALLATION. STEEL BUILDING MANUFACTURERS TO SUBMIT SHOP DRAWINGS FOR REVIEW & APPROVAL PRIOR TO FABRICATION.
- INSTALLATION:** PROPER ASSEMBLY, INSTALLATION, AND OPERATION OF ALL MATERIALS, COMPONENTS, SYSTEMS, AND FINISHES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES.
- INCIDENTAL WORK:** ANY ITEMS NOT SPECIFICALLY SHOWN ON THE DRAWINGS, BUT WHICH ARE REASONABLY INCIDENTAL TO AND NECESSARY FOR THE SATISFACTORY COMPLETION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE CODES, ORDINANCES, REGULATIONS, AND STANDARDS, ARE INCLUDED WITHIN THE INTENT OF THESE DESIGN DRAWINGS.
- OWNER-PROVIDED WORK:** LOCATION OF ALL OWNER-PROVIDED FIXTURES, EQUIPMENT, ETC. SHALL BE COORDINATED TO ENSURE PROPER ALIGNMENT FOR INSTALLATION AND OPERATION. BLOCKING, ETC.
- SAFETY:** COMPONENTS FOR CONSTRUCTION SAFETY ARE NOT INDICATED IN THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL RULES AND OTHER REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND APPLICABLE STATE AND LOCAL SAFETY REQUIREMENTS DURING ALL CONSTRUCTION ACTIVITIES.
- INSPECTIONS:** CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL ON-SITE INSPECTIONS REQUIRED PRIOR TO OCCUPANCY APPROVAL.
- DIMENSIONS:** UNLESS OTHERWISE INDICATED, WALLS ARE TO FACE OF STUD FRAMING AND TO FACE OF MASONRY OPENING IN MASONRY. WINDOWS AND DOORS ARE TO CENTERLINE OF OPENING IN STUD FRAMING AND TO FACE OF MASONRY OPENING IN MASONRY. PLUMBING FIXTURES ARE TO CENTERLINE OF FIXTURE.
- BLOCKING:** PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF ALL PORTIONS OF THE WORK AND PER MANUFACTURER'S WRITTEN RECOMMENDATIONS, WHETHER OR NOT SPECIFICALLY INDICATED IN THESE DRAWINGS.
- METAL PROTECTION AT TREATED WOOD:** METAL CONNECTORS THAT COME IN CONTACT WITH TREATED LUMBER SHALL BE STAINLESS STEEL OR "ZMAX" CORROSION RESISTANT MATERIALS TO HELP PROTECT AGAINST ACCELERATED CORROSION. CONTRACTOR SHALL COORDINATE COMPATIBILITY OF ALL METALS USED WITH TREATMENT PRODUCT(S) MANUFACTURER(S) WRITTEN RECOMMENDATIONS.
- HURRICANE TIES:** CONTRACTOR SHALL PROVIDE HURRICANE TIES AND CONSTRUCTION CONNECTORS PER CODE AND AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
- WINDOWS AND DOORS:** WINDOWS AND DOORS ARE INDICATED USING NOMINAL DIMENSIONS. MATERIALS AND INSTALLATION SHALL COMPLY WITH DESIGN PRESSURE (DP) RATINGS, WATER INFILTRATION RATING, IMPACT/SAFETY GLAZING, WIND REQUIREMENTS, EGRESS HARDWARE, U-FACTOR / R-VALUE, ETC. ALL EXTERIOR UNITS SHALL HAVE CORROSION-RESISTANT HARDWARE.
- LIFE SAFETY COMPONENTS:** FINAL LOCATION OF FIRE EXTINGUISHERS, EMERGENCY LIGHTING, AND EXIT SIGNS TO BE AS DIRECTED BY LOCAL FIRE MARSHAL AND ARE SUBJECT TO FINAL ON-SITE INSPECTION AND EVALUATION. CONTRACTOR SHALL MAKE REVISIONS AND/OR ADDITIONS IN ACCORDANCE WITH FIRE MARSHAL'S INSPECTION.
- FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL WORK:** ALL FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED BY QUALIFIED, LICENSED (SUB)CONTRACTORS, AND BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, STANDARDS, ETC. ALL COMPONENTS SHALL BE INSTALLED ABOVE THE FLOOD ELEVATION AS REQUIRED BY FEMA (LOCAL A.H.J.) AND ALL APPLICABLE CODES. ALL MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION WORK TO BE COMPLETED ON A DESIGN / BUILD BASIS AND COORDINATE WITH OWNER / ARCHITECT PRIOR TO INSTALLATION.
- PIPE INSULATION:** CONTRACTOR SHALL INSULATE AND PROTECT PIPES AS REQUIRED BY CODE, AND AS REQUIRED TO PROTECT PIPING EXPOSED TO EXTERIOR CONDITIONS.
- GRADING:** CONTRACTOR SHALL COORDINATE SITE GRADING TO COMPLY WITH CODES AND ORDINANCES, AND TO MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING.

GENERAL MECHANICAL, ELECTRICAL & PLUMBING NOTES

- MECHANICAL, ELECTRICAL & PLUMBING ENGINEERING TO BE COMPLETED BY OWNER.
- ELECTRICAL (BY OWNER)
  - A NEW POWER FEED SHALL BE INSTALLED FROM THE EXISTING MAIN (MP) PANEL IN THE FACILITY ELECTRICAL/MECHANICAL ROOM AND SUPPLY A NEW TRANSFORMER AND 200 AMP SERVICE PANEL MOUNTED IN THE NEW STORAGE AREA. SQUARE D EQUIPMENT REQUIRED.
  - STORAGE AND LIGHTING SHALL BE LED - MATCH EXISTING BASIS OF DESIGN IS MALICE ROUND HIGH BAY LED PENDANT HP-160 U40 OR EQUIVALENT.
  - CONVENIENCE RECEPTACLES - EVERY WALL SPACING 25 FT OR PER CODE.
  - POWER TO OVERHEAD DOOR OPERATOR
  - POWER TO VAC EQUIPMENT
  - EGRESS LIGHTING AND EXIT SIGNS AS REQUIRED BY CODE.
- MECHANICAL (BY OWNER)
  - PROVIDE DAMEN DUCTLESS SPLIT SYSTEM. MINIMUM 2 INDOOR UNITS WALL MOUNTED.
  - PROVIDE OVERHEAD DOOR OPERATOR.
- PLUMBING - NONE
- FIRE SPRINKLERS (BY CONTRACTOR) - PROVIDE EXTENSION FROM THE EXISTING BUILDING SYSTEM FOR THE STORAGE ADDITION PER FP. COORDINATE WITH WORCESTER COUNTY FIRE MARSHAL'S OFFICE. MARYLAND LICENSED CONTRACTOR REQUIRED FOR DESIGN AND INSTALLATION
- FIRE ALARM SYSTEM (BY OWNER) - PROVIDE AND INSTALL EQUIPMENT COMPATIBLE WITH THE EXISTING JOHNSON CONTROLS SIMPLEX SYSTEM. MAIN PANEL IS LOCATED IN MECHANICAL/ELECTRICAL EQUIPMENT ROOM.



# BIDDING DOCUMENTS

05/24/2023

**DESIGN TEAM**

**BECKER MORGAN GROUP, INC.** ARCHITECTS, STRUCTURAL ENGINEERS, & CIVIL ENGINEERS

SPRINKLER SYSTEM

THIS STRUCTURE SHALL BE PROVIDED WITH AND PROTECTED BY A COMPLETE AUTOMATIC SPRINKLER SYSTEM, DESIGNED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MOST RECENT EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) NATIONAL FIRE CODE, NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND PLANS AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

ACCESSIBILITY



PROVISIONS FOR ACCESSIBILITY

THIS PROJECT, CONSISTING OF THE SITE AND BUILDING IMPROVEMENTS AND FACILITIES WITHIN THE BUILDING, SHALL MEET AND COMPLY WITH THE REQUIREMENTS OF BARRIER-FREE ACCESSIBILITY AND SHALL BE USABLE BY THE PHYSICALLY HANDICAPPED AND PERSONS WITH DISABILITIES AS INDICATED ON THE DRAWINGS AND/OR AS REQUIRED BY THE "HANDICAPPED AND ACCESSIBILITY" CODES.

AREAS AND ITEMS SO REQUIRED TO BE ACCESSIBLE AND USABLE, SHALL CONFORM TO ALL OF THE FOLLOWING: THE AMERICAN NATIONAL STANDARD INSTITUTE, INC. ANSI A117.1 - (LATEST EDITION); "SPECIFICATIONS FOR MARKING BUILDINGS AND FACILITIES ACCESSIBLE TO AND USABLE BY PHYSICALLY HANDICAPPED PEOPLE"; THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS; AND THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA). ALL AREAS AND ITEMS REQUIRED TO BE ACCESSIBLE AND USABLE SHALL BE CLEARLY IDENTIFIED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY FOR THE HANDICAPPED.

**BECKER MORGAN GROUP**

ARCHITECTURE ENGINEERING

Dover, DE  
309 S Governors Ave  
Dover, DE 19904  
302.734.7950

Salisbury, MD  
312 West Main St, Suite 300  
Salisbury, MD 21801  
410.546.9100

Wilmington, NC  
3205 Randall Parkway, Suite 211  
Wilmington, NC 28403  
910.341.7600

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**ALLEN & SHARIF ENGINEERING, LLC**

MECHANICAL & ELECTRICAL ENGINEERS

205 EAST MARKET STREET  
SALISBURY, MARYLAND  
21801  
(410) 341-0200 fax: (410) 341-0400



PROFESSIONAL CERTIFICATION  
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO: 5132-A  
EXPIRATION DATE: 03/09/2023

PROJECT TITLE

**WORCESTER COUNTY RECREATION STORAGE ADDITION**

NO.	DATE	REVISION
1	02/03/2023	PERMIT REVISION
2	05/24/2023	ADDENDUM 1

SHEET TITLE

**COVER SHEET**

PROJECT NO: 2013173.01

DATE: 05/24/2023

SCALE: As indicated

DRAWN BY: BMR PROJ MGR: JRP

**G001**

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S:\2023\11-24-23\Worcest\Worcest\Worcest County Recreation Center Addition\201317301.rvt



CODE STUDY DATA	
(WHEN ONLY ONE SOURCE IS NOTED, THE DATA LISTED REPRESENTS THE MOST STRINGENT REQUIREMENTS WHEN COMPARING THE TWO CODES)	
PROJECT	INFORMATION
PROJECT NAME	WORCESTER COUNTY RECREATION CENTER ADDITION
PROJECT LOCATION	6030 PUBLIC LANDING ROAD, SNOW HILL, MARYLAND
PROJECT DESCRIPTION	ADDITION OF 1,401 S.F. TO EXISTING RECREATION CENTER
PROPERTY TAX ACCOUNT NUMBER	0063-0012-0141-20100037.24-0000
APPLICABLE CODES	
2018 INTERNATIONAL BUILDING CODE (IBC)	
2018 NFPA 101 LIFE SAFETY CODE (NFPA)	
2017 ICC/ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	
2010 ADA STANDARD FOR ACCESSIBLE DESIGN	
MARYLAND ACCESSIBILITY CODE / STATE OF DELAWARE ARCHITECTURAL ACCESSIBILITY STANDARDS	
2019 STATE OF MARYLAND FIRE PREVENTION CODE / 2021 DELAWARE STATE FIRE PREVENTION REGULATIONS	
2018 INTERNATIONAL ENERGY CONSERVATION CODE / ASHRAE 90.1-2016 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS	

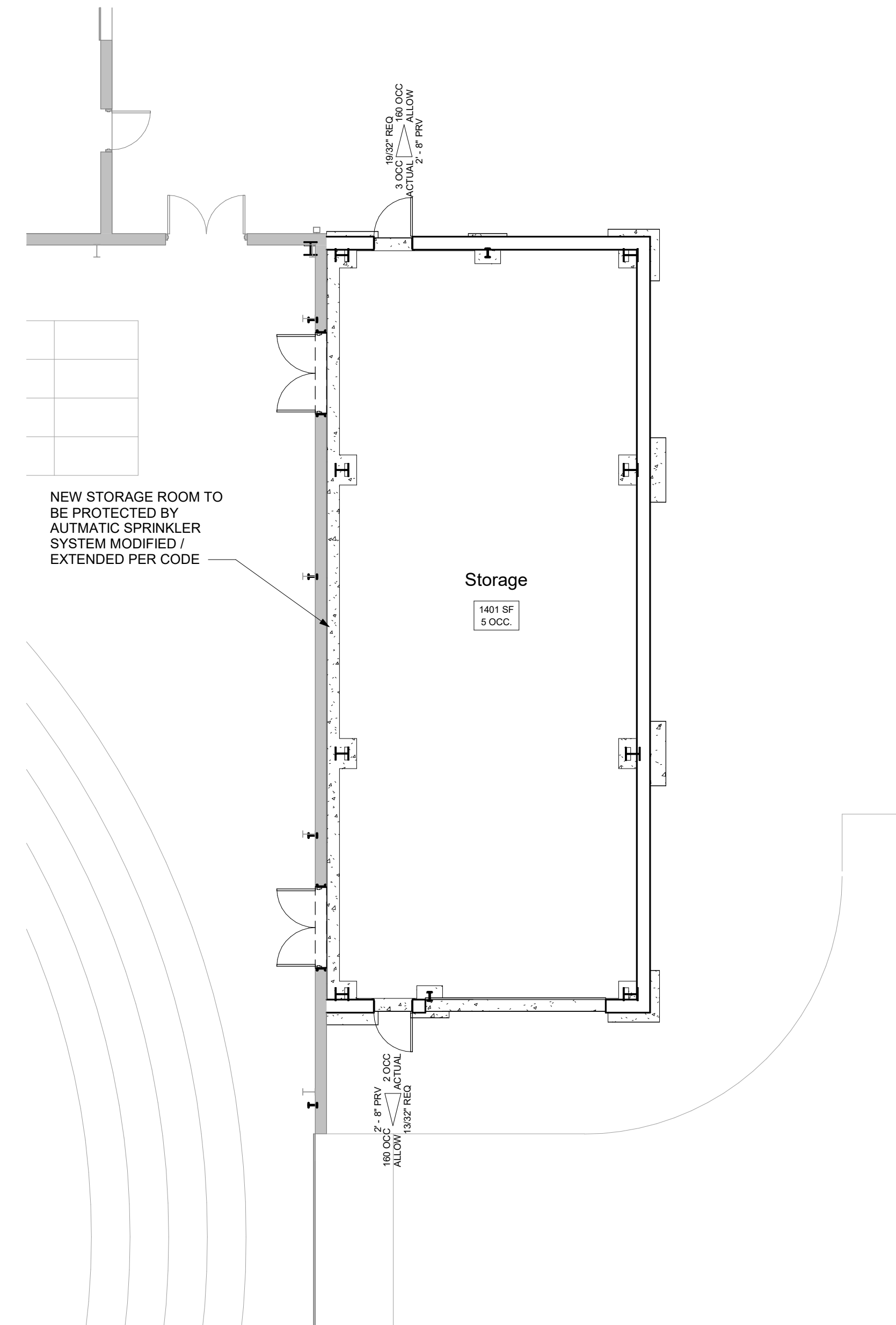
BUILDING USE AND CONSTRUCTION CLASSIFICATION		
BUILDING USE AND CONSTRUCTION CLASSIFICATION	LIFE SAFETY CODE REFERENCE	IBC REFERENCE
USE GROUPS (MIXED - NON-SEPARATED)	EXG. ASSEMBLY (13.1.1.1), EXG. BUSINESS (39.1.1.1), EXG. EDUCATIONAL (15.1.1.1), NEW & EXG. STORAGE (42.1.1.1)	ASSEMBLY A-3 (303.4), BUSINESS B (304.1), EDUCATION E (305.1) STORAGE S-1 (311.2)
CONSTRUCTION TYPE	II-000 (TABLE A-8.2.1.2)	II-B (TABLE 503 AND 601)
	FULLY SPRINKLERED	FULLY SPRINKLERED
ALLOWABLE BLDG HEIGHT		75', 3 STORIES (TABLE 503 W/ 504.2)
ACTUAL BLDG HEIGHT		23'-10", 1 STORY
ALLOWABLE BLDG AREA / OCCUPANCY		28,500 GSF (A-3, W/ SPRINKLER INCREASE PER 506.3), 57,000 GSF (B, W/ SPRINKLER INCREASE PER 506.3), 52,500 GSF (E, W/ SPRINKLER INCREASE PER 506.3), 29,000 GSF (S-1, W/ SPRINKLER INCREASE PER 506.3) = 167,000 TOTOAL BUILDING GSF
ACTUAL BLDG AREA / OCCUPANCY		1,401 S.F. S-1 = 1,401 GSF NEW ADDITION; 5,708 S.F. E + 7,863 S.F. B + 37,931 S.F. A-3 (UNLIMITED PER 507.7)+ 4,857 S.F. S-1 = 56,359 S.F. EXISTING BUILDING (57,760 GSF TOTAL BUILDING)

BUILDING COMPONENT FIRE RATING						
TABULAR FIRE RATING REQUIREMENTS OF STRUCTURAL ELEMENTS AND EGRESS COMPONENTS	REQUIRED RATING		LIFE SAFETY 2018 TYPE II-000 CONSTRUCTION	REQUIRED RATING		IBC 2018 III-B CONSTRUCTION
	WALL (HRS)	OPNG (HRS) - D (door) / W (window)		WALL (HRS)	OPNG (HRS)	
EXTERIOR BEARING WALLS - Supporting Roof 20' A.F.F.	0	0	NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
supporting more than one floor	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2 & TABLE 7.3.2.1	0	0	TABLES 601 & 602 & 716.5
support one floor only	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2 & TABLE 7.3.2.1	0	0	TABLES 601 & 602 & 716.5
supporting a roof only	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2 & TABLE 7.3.2.1	0	0	TABLES 601 & 602 & 716.5
EXTERIOR NON-BEARING WALLS	0	0	TABLE A.8.2.1.2 & TABLE 7.3.2.1	0	0	TABLES 601 & 602 & 716.5
VERTICAL EXIT ENCLOSURES	1	1 (D) - N.P. (W)	8.6.5 & TABLE 8.3.4.2	1	1	SECTION 704.4 & 1019.1 & T715.3
SHAFT ENCLOSURES	1	1	8.6.5 & TABLE 8.3.4.2	1	1	SECTION 707
CORRIDORS	1	1/3 (D) - 3/4 (W)	7.1.3.1	0	0	TABLE 1016.1
SMOKE BARRIERS	1	1/3 (D) - 3/4 (W)	8.5.1, & TABLE 8.3.4.2	1	1/3	SECTION 710, TABLE 715.4
INTERIOR BEARING WALLS - Supporting Roof 20' A.F.F.	0	N/A	NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
supporting more than one floor	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2	0	0	TABLE 601
supporting one floor only	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2	0	0	TABLE 601
supporting a roof only	0	0	TABLE A.8.2.1.2 & TABLE 8.3.4.2	0	0	TABLE 601
INTERIOR NON-BEARING PARTITIONS	0	0	TABLE A.8.2.1.2	0	0	TABLE 601
STRUCTURAL FRAME - Supportin Roof 20' A.F.F.	0	N/A	NFPA 5000 - 7.2.3.2.8	0	N/A	TABLE 601
COLUMNS - supporting more than one floor	0	N/A	TABLE A.8.2.1.2	0	N/A	TABLE 601
COLUMNS - supporting one floor only	0	N/A	TABLE A.8.2.1.2	0	N/A	TABLE 601
COLUMNS - supporting a roof only	0	N/A	TABLE A.8.2.1.2	0	N/A	TABLE 601
BEAMS, GIRDERS, TRUSSED, ARCHES - Supporting Roof 20' A.F.F.	0	N/A	NFPA 5000 - 7.2.3.2.8	0	N/A	TABLE 601
supporting more than one floor	0	N/A	TABLE A.8.2.1.2	0	N/A	TABLE 601
supporting one floor only	0	N/A	TABLE A.8.2.1.2	0	N/A	TABLE 601
supporting a roof only	0	N/A	TABLE A.8.2.1.2	0	N/A	TABLE 601
FLOOR-CEILING ASSEMBLIES	0	0	TABLE A.8.2.1.2	0	0	TABLE 601
ROOF-CEILING ASSEMBLIES	0	0	TABLE A.8.2.1.2	0	0	TABLE 601
ROOF-CEILING ASSEMBLIES - 20' A.F.F.	0	0	NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
OCCUPANCY SEPARATION A,B,E TO S-1				0	0	TABLE 602 AND TABLE 716.5, 508.3

TRAVEL DISTANCE LIMITS		
	LIFE SAFETY	IBC
MAXIMUM TRAVEL DISTANCE LIMIT TO AN EXIT OR EXIT ACCESS DOOR	250' (A) / 200' (E) / 400' (S-1) (TABLE A.7.6)	300' (B) / 250' (A,E,S-1) (TABLE 1016.2)
MAXIMUM COMMON PATH OF TRAVEL LIMIT	20/75' (TABLE A.7.6)	75' (1006.2.1)
MAXIMUM DEAD END CORRIDOR LIMIT	20' (TABLE A.7.6)	50' (1020.4 EXCEPTION 2)

MINIMUM NUMBER OF EXIT REQUIRED		
	LIFE SAFETY	IBC
FLOOR AREA OCCUPANCY LOAD BETWEEN 501 AND 1,000	-	3 EXITS (1006.3.2)
MINIMUM NUMBER OF EXITS PER STORY	2 EXITS (7.4.1.1 AND 39.2.4.1)	-
MINIMUM NUMBER OF ACCESSIBLE ENTRANCES/EXITS	1 (7.5.4.1.1 & 7.5.4.2.2)	2 (1009.1 & 1105.1)

MINIMUM INTERIOR FINISH REQUIREMENTS		
	LIFE SAFETY	IBC
MINIMUM INTERIOR FINISH REQUIREMENTS		
EXIT ENCLOSURES & EXIT PASSAGEWAYS - WALLS	CLASS B (39.3.3.2(1) TABLE A.10.2.2 WITH NOTE 6)	S - CLASS C (TABLE 803.11)
EXIT ENCLOSURES & EXIT PASSAGEWAYS - FLOORS	N/A (TABLE A.10.2.2 WITH NOTE 6)	CLASS II (804.4.2)
CORRIDORS & LOBBIES - WALLS	CLASS B (39.3.3.2(2) TABLE A.10.2.2 WITH NOTE 6)	S - CLASS C (TABLE 803.11)
CORRIDORS & LOBBIES - FLOORS	N/A (TABLE A.10.2.2 WITH NOTE 6)	DOC FF-1 (804.4.1)
ROOMS & ENCLOSED SPACES - WALLS	CLASS C (39.3.3.2(C) TABLE A.10.2.2)	S - CLASS C (TABLE 803.11)
ROOMS & ENCLOSED SPACES - FLOORS	N/A (TABLE A.10.2.2)	DOC FF-1(804.4.2)
TRIM		NOT IN EXCESS OF 10% OF AGGREGATE WALL & CEILING AREA OF ANY ROOM/SPACE SHALL BE PERMITTED TO BE CLASS C MATERIAL.



**1** FIRST FLOOR LIFE SAFETY PLAN  
SCALE: 1/8" = 1'-0"

CODE LEGEND	
	PATH OF EGRESS
	SMOKE PARTITION
	1 HR RATED FIRE & SMOKE BARRIER
	1/2 HR RATED ROOM
	1 HR RATED ROOM
NOTES	
1. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 10. THE STANDARD FOR PORTABLE FIRE EXTINGUISHERS. THE FIRE EXTINGUISHERS SHALL BE PERMANENTLY MOUNTED, REMAIN UNOBSTRUCTED AND BE INSPECTED ANNUALLY.	



ARCHITECTURE  
ENGINEERING

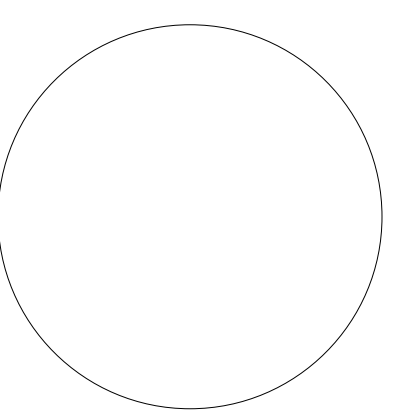
Delaware  
309 S Governors Ave  
Dover, DE 19904  
302.734.7950

The Tower at STAR Campus  
100 Discovery Boulevard, Suite 102  
Newark, DE 19713  
302.369.3700

Maryland  
312 West Main St, Suite 300  
Salisbury, MD 21801  
410.546.9100

North Carolina  
3333 Jackie Drive, Suite 120  
Wilmington, NC 28403  
910.341.7000

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PROFESSIONAL CERTIFICATION:  
I CERTIFY THAT THESE DOCUMENTS  
WERE PREPARED OR APPROVED BY ME,  
AND THAT I AM A LICENSED  
ARCHITECT UNDER THE LAWS OF THE  
STATE OF MARYLAND.  
LICENSE NUMBER: 5152-A  
EXPIRATION DATE: 03/09/2023

PROJECT TITLE  
**WORCESTER  
COUNTY  
RECREATION  
STORAGE  
ADDITION**

SHEET TITLE  
**LIFE SAFETY PLAN  
AND CODE STUDY**

Mark	Date	Description
2	05/24/2023	ADDENDUM 1
1	02/03/2023	PERMIT REVISION

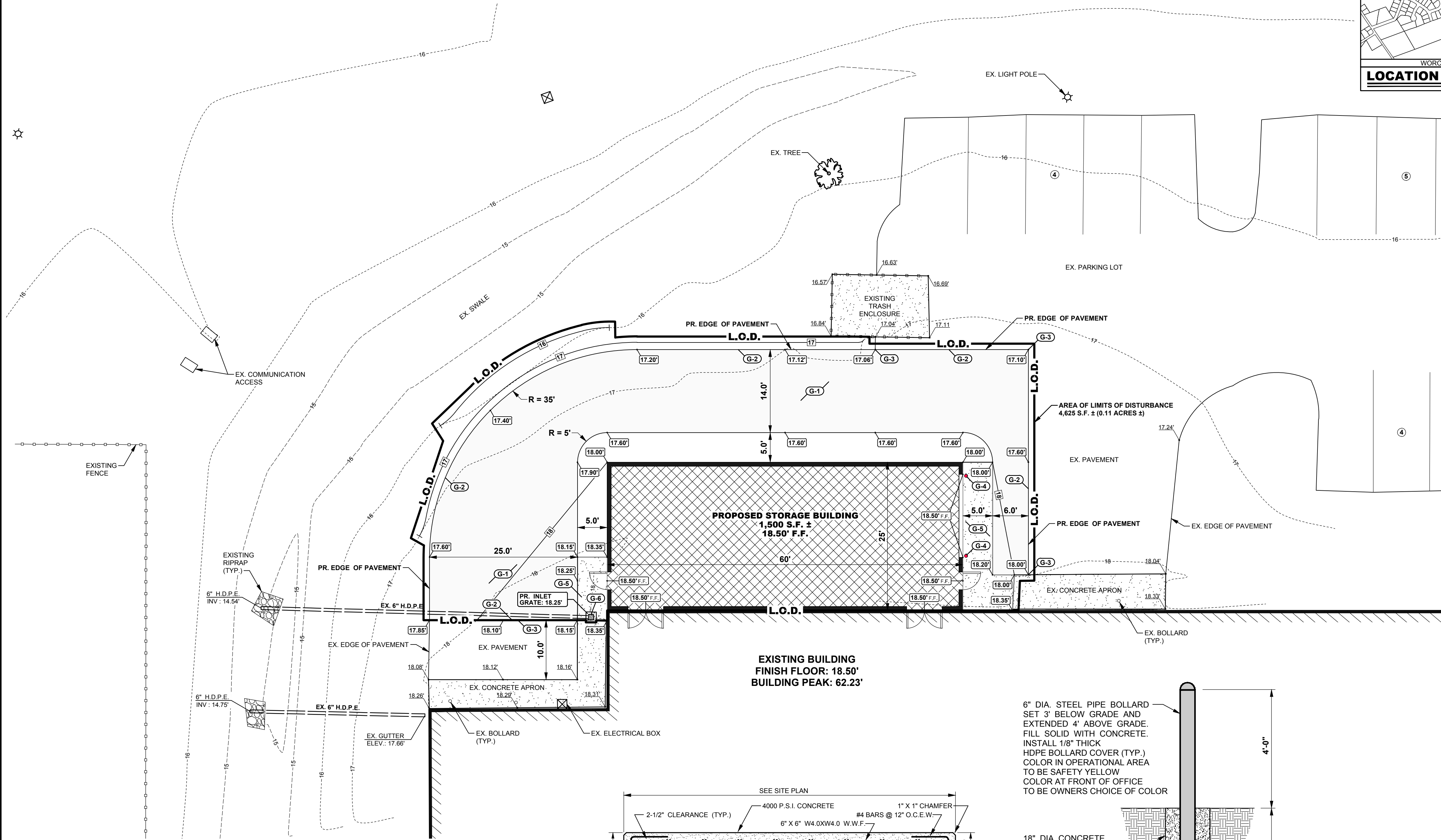
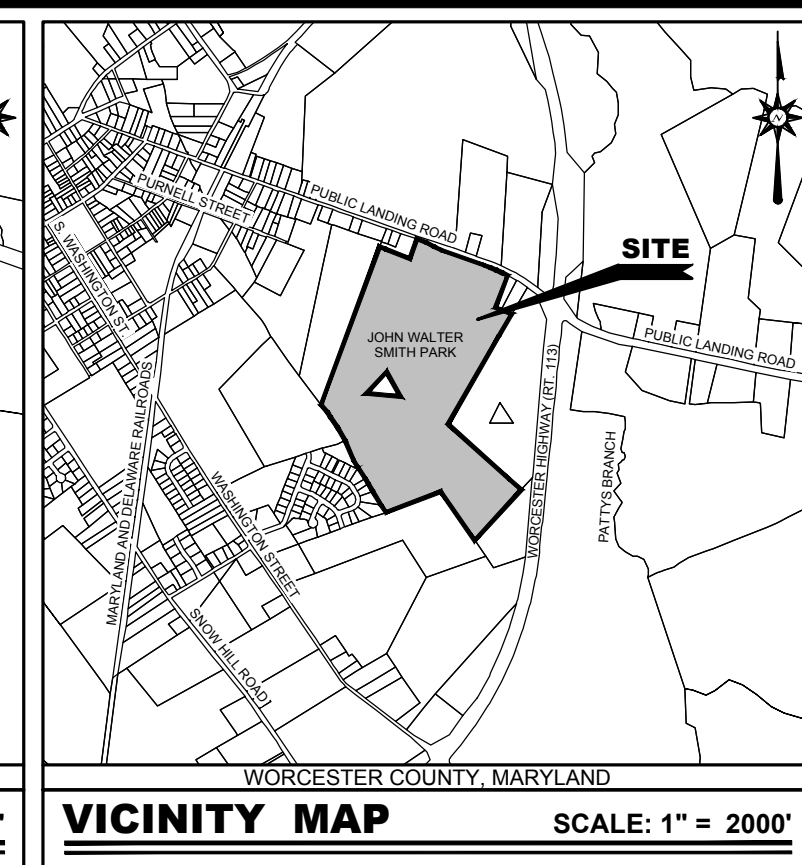
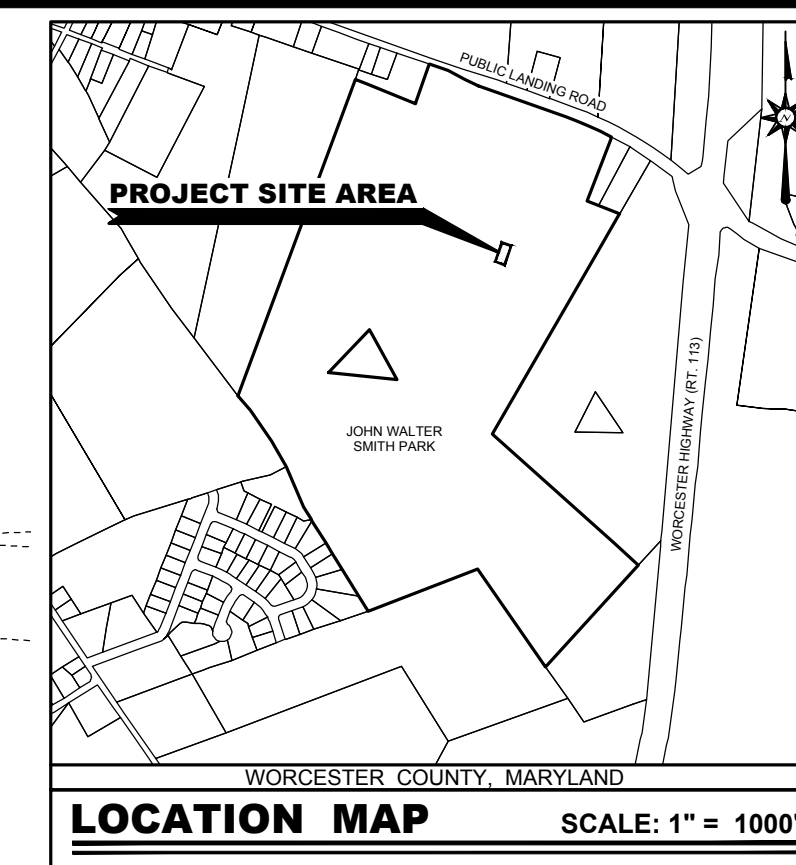
PROJECT NO: 2013173.01  
DATE: 05/24/2023  
SCALE: As Indicated  
DRAWN BY: BMR | PROJ MGR: JRP

**G101**  
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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NUMBER: 30331  
EXPIRATION DATE: 09/23/24



**SITE DATA**

- OWNER OF RECORD: COUNTY COMMISSIONERS OF WORCESTER CO MD  
1 WEST MARKET STREET  
SNOW HILL MD 21863  
(410) 632-1194
- ENGINEER / SURVEYOR: BECKER MORGAN GROUP INC.  
309 SOUTH GOVERNORS AVENUE  
DOVER, DELAWARE  
(302) 734-7950
- PROPERTY MAP NUMBER: 0063-0012-0141-20100037.24-0000
- ZONING CLASSIFICATION: EXISTING: R3 / (WORCESTER COUNTY)  
PROPOSED: R3 / (WORCESTER COUNTY)
- DEED SUMMARY: 0042/00029
- PRESENT USE: RECREATION CENTER
- PROPOSED USE: RECREATION CENTER
- TOTAL SITE AREA: 49.00 ACRES
- PROPOSED BUILDING: BUILDING: 1,500 S.F.
- IMPERVIOUS COVERAGE: EXISTING (WITHIN L.O.D.): 1,795 S.F. ± (0.041 ACRES ±)  
PROPOSED (WITHIN L.O.D.): 3,796 S.F. ± (0.087 ACRES ±)
- BUILDING HEIGHT: PERMITTED: 35'- FLAT ROOF / 45.0'- PITCHED ROOF  
PROPOSED: 20.5'
- SURVEY BENCHMARK: VERTICAL: NADV-88  
HORIZONTAL: NAD-83
- TOTAL DISTURBED AREA: 4,625 S.F. ± (0.106 ACRES ±)
- BUILDING CONST. TYPE: III-B

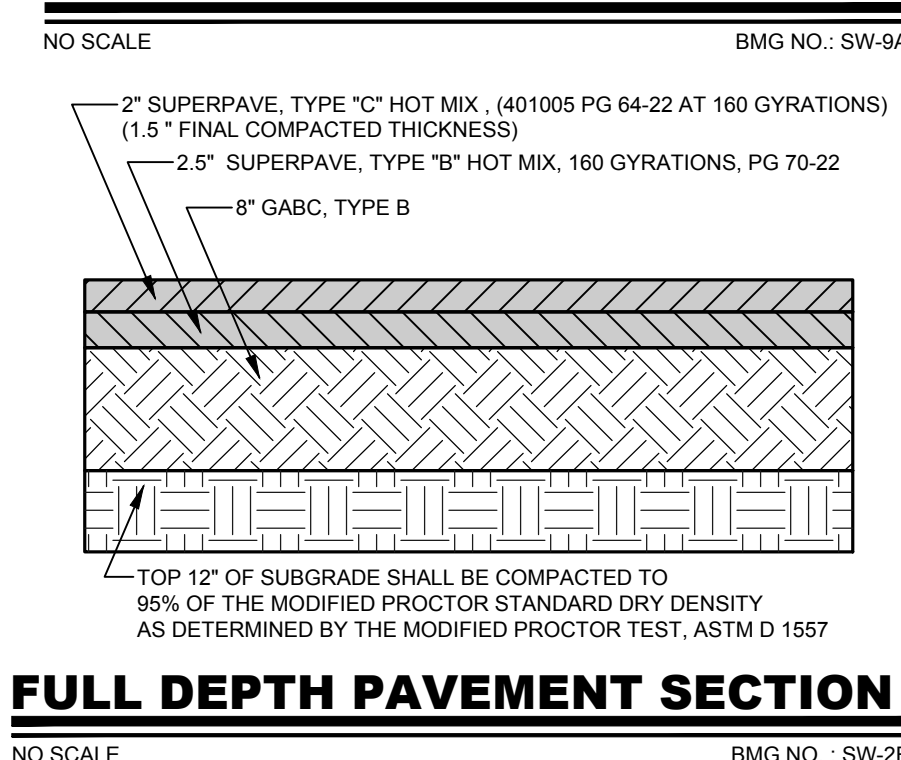
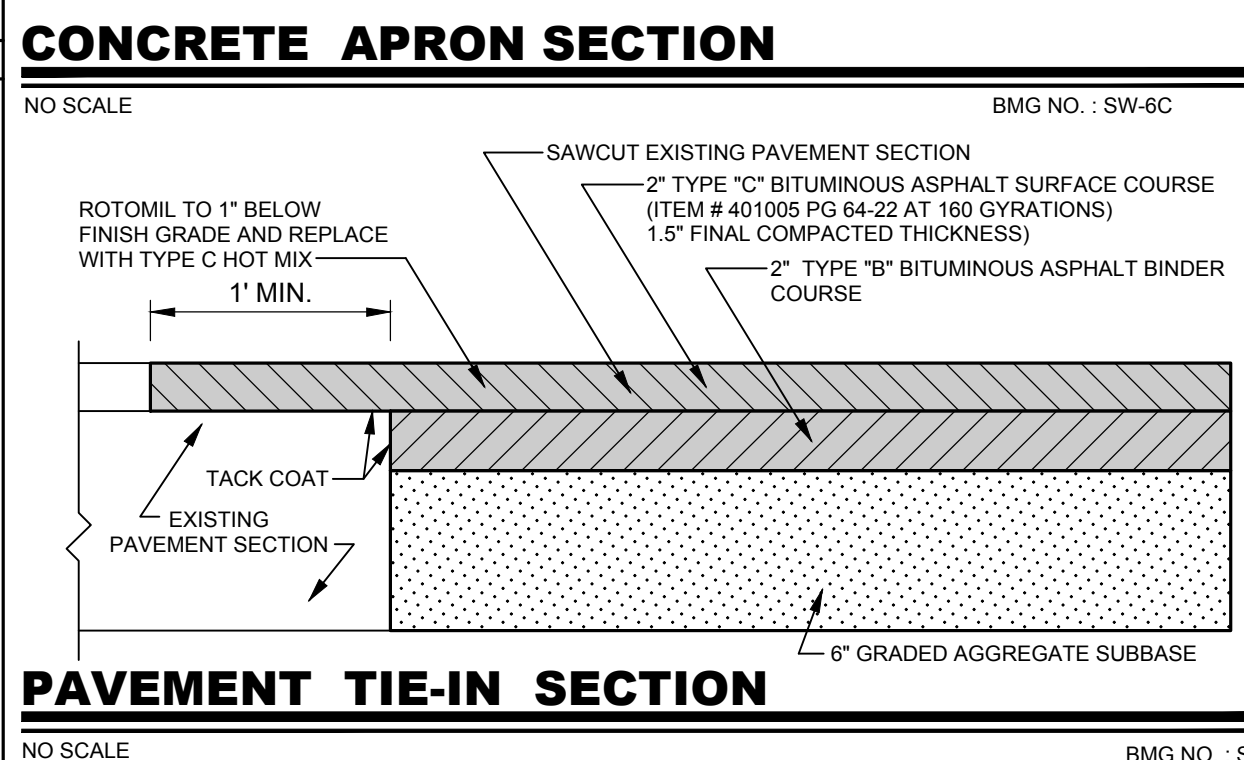
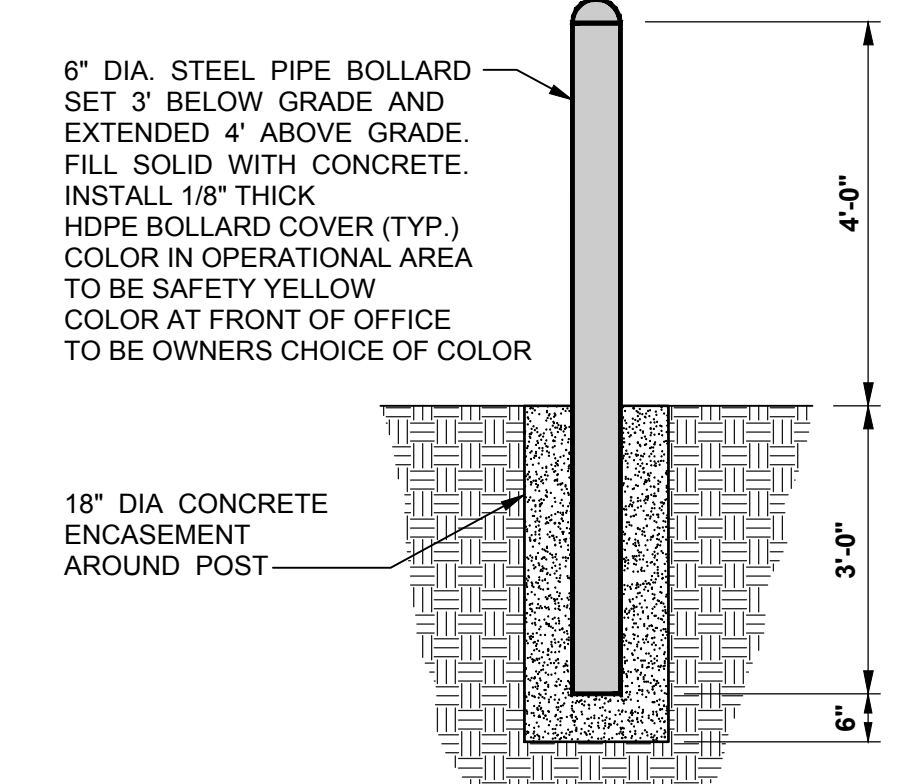
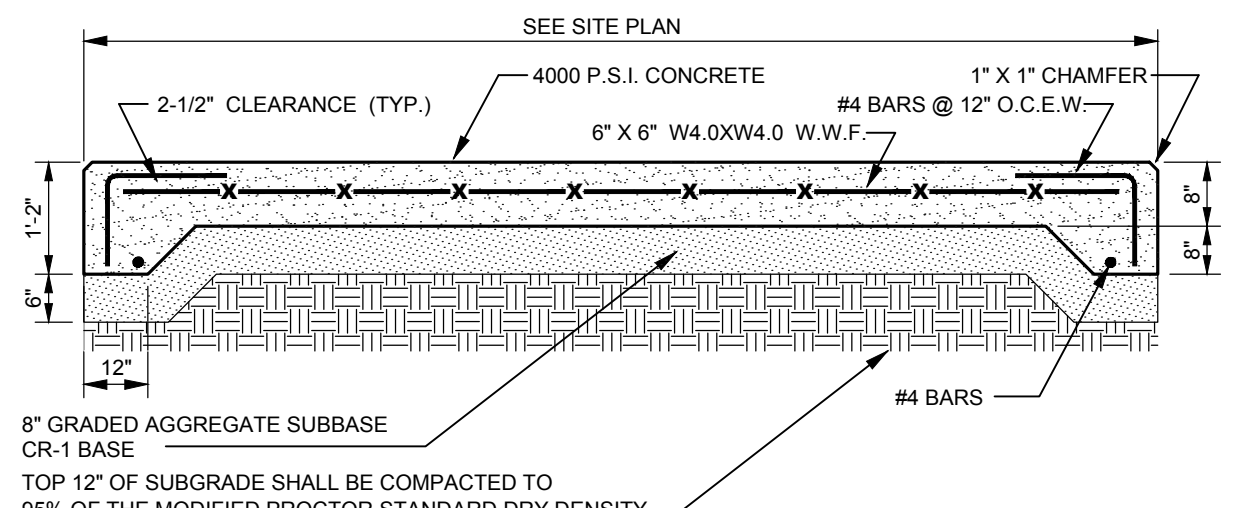
- GENERAL NOTES:**
- TOPOGRAPHIC SURVEY DATA SHOWN HEREON WAS PREPARED BY BECKER MORGAN GROUP, SALISBURY, MD. IN AUGUST 2022. VERTICAL DATUM IS BASED ON NAVD 88. HORIZONTAL DATUM IS BASED ON DELAWARE STATE PLANE NAD 83. GPS DERIVED FROM N.G.S. HORIZONTAL CONTROL MONUMENTS.
  - THE EXISTING UTILITIES SHOWN WERE TAKEN FROM THE BEST AVAILABLE RECORDS. THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELMARVA (1-800-282-8555) TO VERIFY THEIR EXACT LOCATION PRIOR TO THE START OF ANY CONSTRUCTION. ANY DAMAGE INCURRED TO ANY UTILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. IF THE CONTRACTOR RELIES ON THE UTILITY LOCATIONS SHOWN HEREON, HE DOES SO AT HIS OWN RISK AND WILL NOT BE ENTITLED TO ADDITIONAL COMPENSATION DUE TO TIME DELAYS FROM SAID RELIANCE.
  - THIS AREA OF DEVELOPMENT IS NOT IMPACTED BY THE 100 YEAR FLOOD PLAN AS SHOWN ON FIRM MAP 240470242H PANEL 242 OF 450 DATED JULY 16, 2015.
  - BECKER MORGAN GROUP CERTIFIES THAT THERE ARE NO FRESH WATER WETLANDS LOCATED WITHIN THE IMPROVED AREA.
  - ALL ROADS, PARKING AND OTHER PAVED AREAS WILL BE PRIVATELY OWNED AND MAINTAINED AND ARE NOT INTENDED FOR DEDICATION.
  - DELAWARE REGULATIONS PROHIBIT THE BURIAL OF CONSTRUCTION DEMOLITION DEBRIS, INCLUDING TREES AND STUMPS ON CONSTRUCTION SITES. ANY SOLID WASTE FOUND DURING EXCAVATION MUST BE REMOVED AND PROPERLY DISCARDED.
  - THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENT FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT.
  - ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE ACCORDING TO COUNTY OF WORCESTER AND THE STATE OF MARYLAND STANDARDS AND DNR.

**GENERAL CONSTRUCTION NOTES**

**G-1** PROPOSED FULL DEPTH BITUMINOUS PAVEMENT. SEE PAVEMENT SECTION DETAIL ON THIS SHEET.  
**G-2** PROPOSED EDGE OF BITUMINOUS PAVEMENT.  
**G-3** PROPOSED SAW CUT EXISTING PAVEMENT AND TIE IN PROPOSED PAVEMENT IN. SEE PAVEMENT TIE-IN SECTION DETAIL ON THIS SHEET.  
**G-4** PROPOSED CONCRETE BOLLARDS (2). SEE BOLLARD DETAIL ON THIS SHEET.  
**G-5** PROPOSED 8" CONCRETE APRON. SEE CONCRETE APRON DETAIL ON THIS SHEET.  
**G-6** CONTRACTOR TO RAISE ROOF DRAIN INLET USING NYOPLAST RISER OR EQUAL WITH 1" CONCRETE COLLAR. CONTRACTOR SHALL RAISE RIM ELEVATION TO 18.25'. CONTRACTOR SHALL SAW CUT EXISTING CONCRETE APRON PRIOR TO INSTALLATION OF 1" CONCRETE COLLAR. CONCRETE COLLAR TO BE POURED ONCE DRAIN INLET IS RAISED.

**LEGEND**

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONCRETE CURB & GUTTER			SANITARY GRAVITY SEWER LINE (S) SIZE & FLOW DIRECTION	EX. 10" S	10" S
CONCRETE SIDEWALK, SLAB / PAVING			SANITARY SEWER FORCE MAIN (F.M.) SIZE & FLOW DIRECTION	EX. 10" F.M.	12" F.M.
IMPERVIOUS SURFACED ROAD, DRIVE OR PARKING LOT			SANITARY SEWER CLEANOUT (C.O.)	EX. 10" W	12" W
INDIVIDUAL TREE OR BUSH	EVERGREEN DECIDUOUS	N/A	WATER MAIN & SIZE	EX. 10" W	12" W
WIRE FENCE			FIRE HYDRANT (F.H.)	F.H.	F.H.
CHARLINK FENCE			WATER VALVE (W.V.) OR METER (W.M.)	W.M. W.V.	W.M. W.V.
STOCKADE FENCE			STORM DRAIN MANHOLE (S.D.M.H.)		
STRUCTURE (CONCRETE, WOOD, METAL, ETC.)			STORM DRAIN LINE (CMP, RCP, HDPE)		
DRAINAGE DITCH OR SWALE			CATCH BASIN (C.B.)		
WETLAND BOUNDARY LINE			UTILITY POLE W/ OVERHEAD SERVICE (TELEPHONE (O.T.), ELECTRIC (O.E.))	U.E.	U.E.
CONTOUR	49.55	55	UNDERGROUND ELECTRIC (U.E.)	U.T.	U.T.
ELEVATION SPOT SHOT	49.55	25.50 T.C. 25.00 B.C.	UNDERGROUND GAS MAIN (G)	EX. 2" G	2" G
BENCH MARK					
PROPERTY OR RIGHT-OF-WAY LINE					
CENTERLINE					
LIGHT POLE					



**OWNERS CERTIFICATION**

WE, WORCESTER COUNTY, HEREBY CERTIFY THAT WE ARE THE OWNER OF THE PROPERTY DESCRIBED AND SHOWN ON THIS PLAN, THAT THE PLAN WAS MADE AT OUR DIRECTION, AND THAT WE ACKNOWLEDGE THE SAME TO BE OUR ACT AND DESIRE THE PLAN TO BE DEVELOPED AS SHOWN IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.

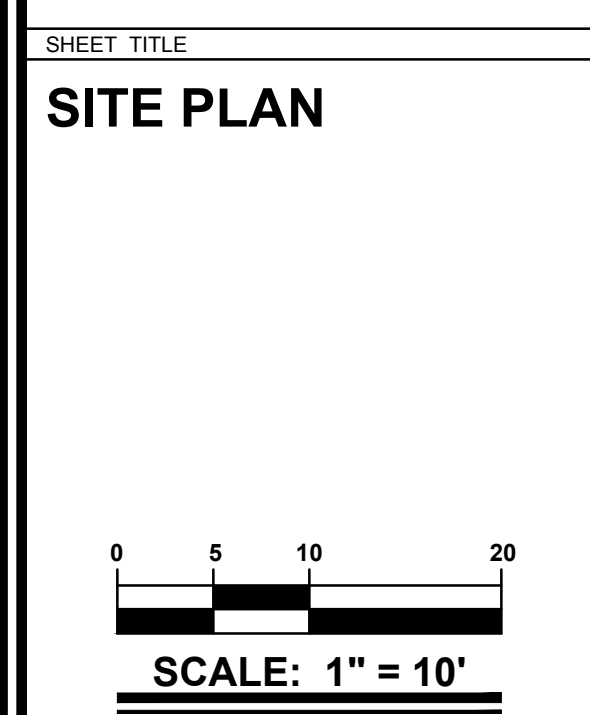
ANTHONY W. BERTINO, JR. - PRESIDENT - COUNTY COMMISSIONERS OF WORCESTER COUNTY DATE

**ENGINEERS CERTIFICATION**

I, JEFFREY A. HARMAN, HEREBY CERTIFY THAT I AM A REGISTERED ENGINEER IN THE STATE OF MARYLAND, THAT THE INFORMATION SHOWN HEREON HAS BEEN PREPARED UNDER MY SUPERVISION AND TO MY BEST KNOWLEDGE AND BELIEF REPRESENTS GOOD ENGINEERING PRACTICES AS REQUIRED BY THE APPLICABLE LAWS OF THE STATE OF MARYLAND.

JEFFREY A. HARMAN, P.E. P.E. NO. 30331 DATE

PROJECT TITLE  
**WORCESTER COUNTY RECREATION CENTER STORAGE BUILDING ADDITION**  
6030 PUBLIC LANDING ROAD  
SNOW HILL  
WORCESTER COUNTY, MD  
21863

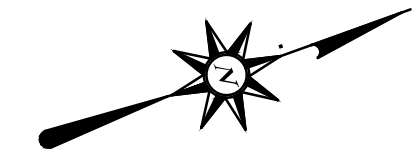


ISSUE BLOCK

MARK	DATE	DESCRIPTION
LAYER/STATE: C-001		
PROJECT NO.:	2013173.01	
DATE:	08/19/2022	
SCALE:	1" = 10'	
DRAWN BY:	S.L.G. / PROJ. MGR.: J.A.H.	
SHEET		
<b>C-001</b>		

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LICENSE NUMBER: 30331  
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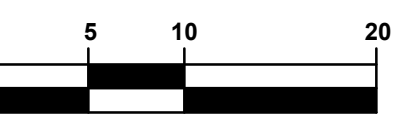
PROJECT TITLE

**WORCESTER COUNTY  
RECREATION CENTER  
STORAGE  
BUILDING  
ADDITION**

6030 PUBLIC LANDING ROAD  
SNOW HILL  
WORCESTER COUNTY, MD  
21863

SHEET TITLE

**EXISTING  
CONDITIONS &  
DEMOLITION  
PLAN**



SCALE: 1" = 10'

ISSUE BLOCK

MARK	DATE	DESCRIPTION

PROJECT NO.: 2013173.01

DATE: 08/19/2022

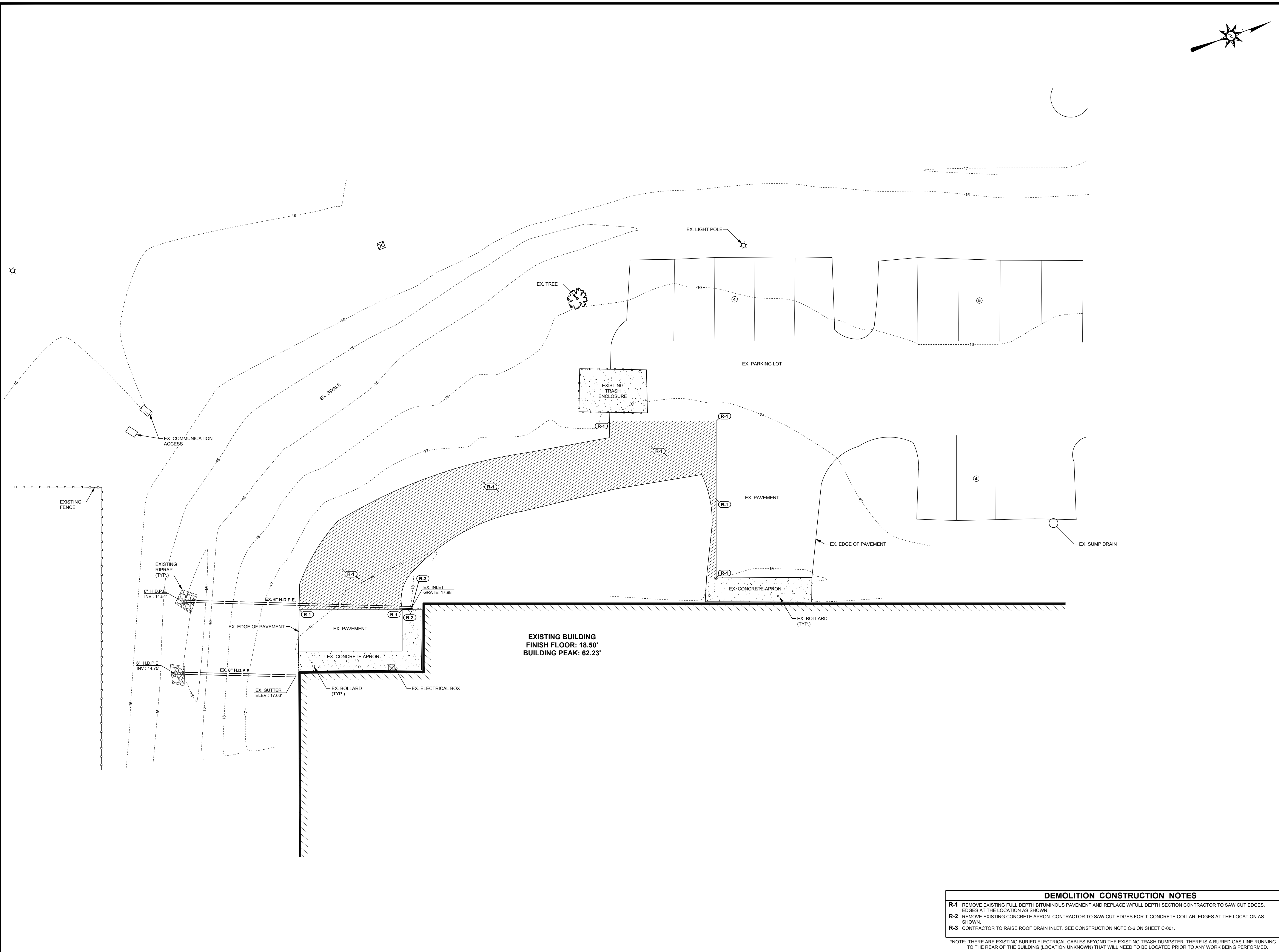
SCALE: 1" = 10'

DRAWN BY: S.L.G. PROJ. MGR.: J.A.H.

SHEET

**C-002**

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**DEMOLITION CONSTRUCTION NOTES**

- R-1** REMOVE EXISTING FULL DEPTH BITUMINOUS PAVEMENT AND REPLACE WITH FULL DEPTH SECTION CONTRACTOR TO SAW CUT EDGES, EDGES AT THE LOCATION AS SHOWN.
- R-2** REMOVE EXISTING CONCRETE APRON. CONTRACTOR TO SAW CUT EDGES FOR 1' CONCRETE COLLAR, EDGES AT THE LOCATION AS SHOWN.
- R-3** CONTRACTOR TO RAISE ROOF DRAIN INLET. SEE CONSTRUCTION NOTE C-6 ON SHEET C-001.

\*NOTE: THERE ARE EXISTING BURIED ELECTRICAL CABLES BEYOND THE EXISTING TRASH DUMPSTER. THERE IS A BURIED GAS LINE RUNNING TO THE REAR OF THE BUILDING (LOCATION UNKNOWN) THAT WILL NEED TO BE LOCATED PRIOR TO ANY WORK BEING PERFORMED.







**FOUNDATION**

WHERE REQUIRED, STEP FOOTINGS IN A RATIO OF 2 HORIZONTAL TO 1 VERTICAL. ANCHOR BOLTS SHALL BE MAX. 12" FROM PLATE ENDS, MINIMUM OF (2) PER PLATE SECTION. 12" WATERPROOF PARGING OR BITUMINOUS WATERPROOFING SHALL BE APPLIED TO FOUNDATION WALLS U.N.O. FOUNDATION DRAINS ARE THE RESPONSIBILITY OF THE ARCHITECT OR CONTRACTOR UNLESS SHOWN ON THE STRUCTURAL DRAWINGS. **SUBGRADE & BASE** EARTHWORK AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE FOUNDATION AND GEOTECHNICAL SPECIFICATIONS. IN CASE OF A FOUNDATIONS AND SOILS INVESTIGATION, THE REQUIREMENTS OF THESE SPECIFICATIONS SHALL APPLY. WHERE CONFLICTS EXIST, THE MORE STRINGENT SHALL APPLY, UNLESS APPROVED IN WRITING BY THE GEOTECHNICAL ENGINEER AND STRUCTURAL ENGINEER.

FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL HAVING AN ALLOWABLE BEARING CAPACITY OF AS NOTED ON PLAN OR GREATER. THE CONTRACTOR SHALL VERIFY THE ASSUMED BEARING CAPACITY OF THE BEARING SOILS IN THE FOOTING EXCAVATION PRIOR TO CASTING ANY FOOTINGS. FOOTING EXCAVATION SHALL BE INSPECTED BY THE BUILDING OFFICIAL AND/OR REGISTERED GEOTECHNICAL ENGINEER PRIOR TO POURING CONCRETE. WRITTEN VERIFICATION SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER.

THE BOTTOM OF EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 2"4" BELOW FINISH GRADE FOR PROTECTIVE. THE BOTTOM OF INTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 1'-0" BELOW FINISH FLOOR.

PLACE FOOTINGS ON FIRM, DRY, NON-FROZEN SUBGRADE. REMOVE SOFT SOILS ENCOUNTERED DURING EXCAVATION. SOILS, FOOTINGS, FOUNDATION WALLS AND SLABS SHALL NOT BE PLACED ON OR IN MARINE CLAY, PEAT OR OTHER ORGANIC MATERIALS.

ENGINEERED FILL SHALL BE PLACED IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. UNDER STRUCTURES, BUILDING SLABS, STEPS, AND PAVEMENTS, SCARIFY AND RECOMPACT TOP 12 INCHES OF EXISTING SUBGRADE AND EACH LAYER OF BACKFILL OR FILL SOIL MATERIAL. COMPACT SOIL MATERIALS TO NOT LESS THAN 95% OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D1557 (MODIFIED PROCTOR). ENGINEERED FILL SHALL BE BROUGHT TO WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT BEFORE COMPACTION. DO NOT PLACE BACKFILL OR FILL SOIL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.

BACKFILL TRENCHES EXCAVATED UNDER FOOTINGS AND WITHIN 18 INCHES OF BOTTOM OF FOOTINGS WITH SATISFACTORY SOIL; FILL WITH CONCRETE TO ELEVATION OF BOTTOM OF FOOTINGS.

ENGINEERED FILL SHALL COMPLY WITH ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, OR SM, AASHTO M 145 GROUPS A-1, A-2.4, A-2.5, OR A-3, OR A COMBINATION OF THESE GROUPS; FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER. ENGINEERED FILL SHALL HAVE A LIQUID LIMIT OF 34 AND A PLASTICITY INDEX OF 7.

SLABS ON GRADE SHALL BE SUPPORTED BY A DRAINAGE COURSE TO PROVIDE A CAPILLARY BREAK. DRAINAGE COURSE SHALL CONSIST OF A NARROWLY GRADED MIXTURE OF WASHED CRUSHED STONE, OR CRUSHED OR UNCRUSHED GRAVEL; ASTM D448; COARSE-AGGREGATE GRADING SIZE 57; WITH 100 PERCENT PASSING A 1-1/2 INCH SIEVE AND ZERO TO 5 PERCENT PASSING A NO. 8 SIEVE. PLACE DRAINAGE COURSE ON SUBGRADES FREE OF MUD, FROST, SNOW, OR ICE.

CONTRACTOR TO IMMEDIATELY NOTIFY THE OWNERS REPRESENTATIVE & ENGINEER IF UNUSUAL SOIL CONDITIONS ARE FOUND.

PROVIDE FREE DRAINING, GRANULAR BACKFILL WITH A MAXIMUM EQUIVALENT FLUID PRESSURE OF 30 PSF PER FOOT OF DEPTH AGAINST BASEMENT AND RETAINING WALLS. IF BACKFILL PRESSURE EXCEEDS 30 PSF, THEN WALL MUST BE DESIGNED FOR ACTUAL PRESSURES BY STRUCTURAL ENGINEER.

**STEEL**

FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION STEEL CONSTRUCTION MANUAL.

STRUCTURAL STEEL SHALL CONFORM TO:

- WF BEAMS ASTM A992 (50KSI)
- RECT. HSS ASTM A500 GRADE B (46KSI)
- ROUND HSS ASTM A500 GRADE B (42KSI)
- STEEL PIPE ASTM A53 GRADE B (35KSI)
- PLATES, ANGLES & CHANNELS ASTM A36 (36KSI)
- BOLTS ASTM A325-N (3/4" Ø U.N.O.)
- ANCHOR BOLTS ASTM F1554 GRADE 36

PROVIDE WELDED CONNECTIONS TYPICALLY UNLESS OTHERWISE NOTED.

WELDING ELECTRODES SHALL BE E70 SERIES.

WELDS SHALL BE MADE ONLY BY WELDERS WHO HAVE BEEN PREQUALIFIED BY TESTS OF THE AMERICAN WELDING SOCIETY, (PRESCRIBED IN THE STRUCTURAL WELDING CODE, AWS D11 (LATEST EDITION).

ANY CONNECTION NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED AND DETAILED BY THE STRUCTURAL STEEL FABRICATOR. SEE THE TYPICAL BEAM CONNECTION DETAILS ON THE DRAWINGS.

CONNECTIONS SHALL BE AISC STANDARD.

PROVIDE BASE PLATE FOR ALL STRUCTURAL STEEL BEAMS BEARING ON CONCRETE OR MASONRY. GROUT FOR SETTING BEARING SURFACES SHALL BE NON-SHRINK, NOT-STAINING.

ALL STEEL SUPPORT COLUMNS SHALL BEAR DIRECTLY ON MASONRY OR CONCRETE FOUNDATION SYSTEMS.

ALL EXTERIOR STEEL SHALL BE HOT-DIP GALVANIZED U.N.O. ZINC COATING SHALL BE APPLIED TO THE STRUCTURAL STEEL BY THE HOT-DIP PROCESS IN ACCORDANCE WITH ASTM A123-A123M. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780/A780M.

ALL STEEL SHALL RECEIVE SHOP PRIMER EXCEPT THE FOLLOWING, SURFACES EMBEDDED IN CONCRETE OR MORTAR, SURFACES TO BE FIELD WELDED, HIGH-STRENGTH BOLTED SLIP-CRITICAL CONNECTIONS, SURFACES TO RECEIVE SPRAYED FIRE-RESISTIVE MATERIAL, GALVANIZED SURFACES (UNLESS INDICATED TO BE PAINTED), AND CORROSION-RESISTING (WEATHERING) STEEL SURFACES. SHOP PRIMER SHALL BE FABRICATORS STANDARD LEAD AND CHROMATE-FREE, NONASPHALTIC, RUST-INHIBITING PRIMER COMPLYING WITH MPI #79 AND COMPATIBLE WITH TOPCOAT.

MISCELLANEOUS STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND SHALL BE ASTM A36. BOLTS SHALL BE HIGH STRENGTH 3/4" DIAMETER CONFORMING TO ASTM A325. WELDING SHALL BE DONE ONLY BY CERTIFIED WELDERS, WELD IN ACCORDANCE WITH THE AISC "STANDARD CODE OF PRACTICE" AND GAS WELDING IN BUILDINGS. STRUCTURAL STEEL SURFACES CAST INTO CONCRETE SHALL BE UNPAINTED.

SUBMIT STRUCTURAL STEEL SHOP DRAWINGS SHOWING COMPLETE DIMENSIONS AND DETAILS FOR APPROVAL PRIOR TO FABRICATION. THE STRUCTURAL STEEL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING, VERIFICATION, AND FOR COORDINATION OF DIMENSIONS AND DETAILS WITH THE STRUCTURAL AND OTHER PORTIONS OF THE CONTRACT DRAWINGS. THE STRUCTURAL CONTRACT DRAWINGS SHALL NOT BE REPRODUCED AS SHOP DRAWINGS UNLESS THE STRUCTURAL ENGINEER'S APPROVAL IS OBTAINED IN WRITING.

**CONCRETE (CAST-IN-PLACE)**

CONCRETE CONSTRUCTION SHALL COMPLY WITH REFERENCED OR LATEST EDITIONS OF THE FOLLOWING STANDARDS:

- 1) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318", AMERICAN CONCRETE INSTITUTE.
- 2) "ACI MANUAL OF CONCRETE PRACTICE - PARTS 1 THROUGH 5", AMERICAN CONCRETE INSTITUTE.
- 3) "MANUAL OF STANDARD PRACTICE", CONCRETE REINFORCING STEEL INSTITUTE.
- 4) "ACI DETAILING MANUAL, SP-66", AMERICAN CONCRETE INSTITUTE.
- 5) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 301", AMERICAN CONCRETE INSTITUTE.

CONTRACTOR SHALL SUBMIT MIX DESIGNS IN ACCORDANCE WITH ASTM C94 ACCOMPANIED BY APPROPRIATE GRAPHS AND BACKGROUND DATA FOR APPROVAL. MIX DESIGN SHALL INDICATE 7 AND 28 DAYS STRENGTHS, CEMENT CONTENT, AIR CONTENT, WATER-CEMENT RATIO, AMOUNT OF FINE AND COARSE AGGREGATES, AND ADMIXTURES. CONCRETE SHALL BE MADE IN ACCORDANCE WITH DESIGN MIXES WHICH ARE TO BE APPROVED BY THE ARCHITECT OR ENGINEER PRIOR TO CASTING ANY CONCRETE. MIXES SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE ACI 318.

USE OF ADDITIVES SHALL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER. USE OF ADDITIVES CONTAINING CALCIUM CHLORIDE SHALL NOT BE PERMITTED. HIGH-RANGE WATER REDUCING ADMIXTURES SHALL NOT BE USED IN AIR-ENTRAINED CONCRETE WITHOUT WRITTEN APPROVAL FROM CONCRETE PROVIDER AND VERIFICATION THAT THE ADMIXTURES ARE APPROVED TO BE USED TOGETHER.

ADDITION OF WATER TO THE CONCRETE AT THE JOB SITE FOR THE PURPOSE OF INCREASING THE SLUMP OR FOR RETEMPERING THE CONCRETE WHICH HAS BEGUN TO SET IS STRICTLY PROHIBITED.

LIQUID-MEMBRANE CURING COMPOUNDS SHALL BE HIGH-SOLIDS, WATER AND ACRYLIC-BASED, COMPLYING WITH ASTM C309 AS TESTED UNDER ASTM C156.

EXPOSED CONCRETE BEAMS, WALLS AND COLUMNS SHALL HAVE CHAMFERED EDGES.

ALL CONCRETE WORK, REINFORCING PLACEMENT, FORMWORK AND SHORING SHALL BE INSPECTED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER. CONCRETE QUALITY CONTROL, INSPECTION AND TESTING SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AS WELL AS LOCAL BUILDING CODE REQUIREMENTS.

REINFORCING BARS SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064. BARS SHALL BE BRANDED BY THE MANUFACTURER WITH BAR SIZE AND GRADE OF STEEL AND CERTIFIED MILL REPORTS SHALL BE SUBMITTED FOR RECORD. REINFORCING STEEL SHALL BE DETAILED FABRICATED, AND PLACED IN ACCORDANCE WITH ACI 318, ACI 315, AND CRSI STANDARDS.

**CONCRETE (CAST-IN-PLACE) (CONT)**

CONTRACTOR SHALL SUBMIT REBAR LAYOUT SHOP DRAWINGS FOR REVIEW AND MATERIAL TEST REPORTS FOR REINFORCEMENT TO BE WELDED IN ACCORDANCE WITH ASTM A706.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064, GRADE 60. LAP WELDED WIRE FABRIC ONE FULL MESH AT ENDS AND SIDES.

ALL REINFORCING STEEL (INCLUDING WELDED WIRE FABRIC) SHALL BE SECURELY TIED AND ANCHORED IN PLACE TO PREVENT DISLOCATION DURING THE PLACING OPERATION.

REINFORCEMENT INSTALLATION SHALL COMPLY WITH CRSIS' "MANUAL OF STANDARD PRACTICE" FOR PLACING AND SUPPORTING REINFORCEMENT.

REINFORCEMENT FOR SLABS ON GRADE SHALL BE SUPPORTED IN PLACE PRIOR TO PLACING CONCRETE. PLACE CONCRETE OVER 10 MIL. POLYETHYLENE VAPOR BARRIER AND 4 INCHES MINIMUM OR COURSE AGGREGATE OR AS RECOMMENDED BY GEOTECHNICAL ENGINEER. THE AGGREGATE LAYER SHALL BE PLACED OVER APPROVED SUBGRADE.

POUR SLABS ON GRADE IN ALTERNATE PANELS WITH A MAXIMUM OF 600 SF AND PROVIDE CONTROL AND KEVED CONSTRUCTION JOINTS AT 16'-0" MAXIMUM OR AS REQUIRED TO PREVENT UNCONTROLLED CRACKING. CONCRETE FOR SLABS-ON-GRADE SHALL BE PLACED IN A SEQUENCE AND MANNER THAT IS CONSISTENT WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE. LOCATE CONSTRUCTION AND CONTROL JOINTS IN SUCH A WAY TO MINIMIZE THE EFFECTS OF SHRINKAGE OF THE CONCRETE SLAB SECTIONS. SUBMIT TO THE ARCHITECT/ENGINEER THE SEQUENCE AND METHOD OF CASTING CONCRETE.

AREAS NOT EXPOSED TO PUBLIC VIEW SHALL RECEIVE AN AS-CAST FINISH IN ACCORDANCE WITH ACI 301 3F.1.0. WHERE AS-CAST FINISH IS USED, PATCH VOIDS LARGER THAN 1" 1/2" WIDE OR 1/2" DEEP, REMOVE PROJECTIONS GREATER THAN 1", SURFACE TOLERANCE SHALL BE ACI 117 CLASS D.

SLAB CONTROL JOINTS: SAW CUT OR FORM TO 1/3 SLAB DEPTH. SPACE NO MORE THAN 15 FEET APART. DISCONTINUE REINFORCEMENT AT CONTROL JOINTS. PROVIDE JOINTS ON GROUND SUPPORTED SLABS IN RECTANGULAR CONFIGURATION, WITH THE LONGER SIDE NO MORE THAN ONE-AND-ONE-HALF TIMES THE LENGTH OF THE SHORTER SIDE.

SLAB ISOLATION JOINTS: PROVIDE PRE-MOLDED JOINT FILLER AROUND ALL PIPING, PIERS AND FOUNDATION WALLS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ANCHOR BOLTS, CLIPS, INSERTS, CONNECTION PLATES, SLEEVES, SLOTS AND OTHER REQUIRED ITEMS IN ACCORDANCE WITH THE CONTRACT DRAWINGS, AND IN COOPERATION WITH OTHER TRADES PRIOR TO PLACING CONCRETE. USE SETTINGS DRAWINGS, TEMPLATES, DIAGRAMS, INSTRUCTIONS, AND DIRECTIONS FURNISHED WITH ITEMS TO BE EMBEDDED. ANCHOR BOLTS ACCURATELY LOCATED, TO ELEVATIONS REQUIRED AND COMPLYING WITH TOLERANCES IN SECTION 7.5 OF ANSIAISC 303.

CONCRETE TOPPING OVER BASE SLAB (SLAB-ON-GRADE OR STRUCTURAL FLOOR SLAB) SHALL BE UNBONDED TOPPING. PROVIDE PLASTIC SHEETING, ROOFING FELT OR BOND-BREAKING COMPOUND AS REQUIRED BETWEEN BASE SLAB AND TOPPING. CONCRETE TOPPING SHALL BE REINFORCED WITH 6#-W/2 DWK 0 WELDED WIRE FABRIC, GALVANIZED W.I.F., AT PARKING LEVELS AND EXPOSED TOPPING. PROVIDE ADDITIONAL REINFORCING AS INDICATED ON THE DRAWINGS. TOPPING CONCRETE STRENGTH SHALL MATCH THE BASE SLAB CONCRETE UNLESS OTHERWISE NOTED. ALL JOINT LOCATIONS AND JOINT TYPE SHALL MATCH THE BASE SLAB U.N.O. PROVIDE SAW CUT CONTROL JOINTS AT 4'-0" MAX. O.C. U.N.O.

Table with 7 columns: CLASS, USAGE, TYPE, EXPOSURE CLASS, MAXIMUM F<sub>c</sub> (28 DAYS), MAXIMUM W/C, AIR CONTENT, MAXIMUM CHLORIDE/ION CONTENT. Rows include Footings, Foundation Walls & Pedestals, and Typ. Interior Slabs on Grade.

LIMIT PERCENTAGE BY WEIGHT OF CEMENTITIOUS MATERIALS OTHER THAN PORTLAND CEMENT IN CONCRETE AS FOLLOWS: FLY ASH OR OTHER POZZOLANS: 25% BY MASS; SLAG CEMENT: 50% BY MASS; SILICA FUME: 10% BY MASS; TOTAL FLY ASH OR POZZOLANS, SLAG CEMENT, & SILICA FUME: 50% BY MASS, WITH FLY ASH OR POZZOLANS NOT EXCEEDING 25% BY MASS AND SILICA FUME NOT EXCEEDING 10% BY MASS; TOTAL OF FLY ASH OR OTHER POZZOLANS & SILICA FUME: 35% BY MASS WITH FLY ASH OR POZZOLANS NOT EXCEEDING 25% BY MASS AND SILICA FUME NOT EXCEEDING 10% BY MASS.

Table with 2 columns: PORTLAND CEMENT, TYPE III. Rows include Fly Ash, Slag Cement, Silica Fume, Aggregates, and Materials (Water Reducer, Air-entrainer, High-range Water Reducer). Includes a section for Minimum Clearances (Cover for Reinforcement) for Footing and concrete cast against earth, Formed concrete exposed to earth or weather, and Slabs on grade.

Table with 3 columns: Slab covering or area usage, Floor flatness (F<sub>F</sub>), Floor levelness (F<sub>L</sub>). Rows include Areas/Admixtures (Carpet, Areas with thin floor coverings), Very flat (high-speed fork lifts & roller rings), Polished floors, and Wood floor on sleepers.

**MISCELLANEOUS ITEMS**

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY REGULATIONS, PROGRAMS AND PRECAUTIONS RELATED TO ALL WORK ON THIS PROJECT AND FOR THE PROTECTION OF PERSONS AND PROPERTY EITHER ON OR ADJACENT TO THE PROJECT AND SHALL PROTECT SAME AGAINST INJURY, DAMAGE OR LOSS.

THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE. SUCH LOADS SHALL NOT EXCEED THE CAPACITY OF THE STRUCTURE AT ANY TIME. THE STRUCTURAL INTEGRITY OF THE BUILDING IS DEPENDANT UPON COMPLETION ACCORDING TO PLANS AND SPECIFICATIONS. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION. THE METHOD OF CONSTRUCTION AND SEQUENCE OF OPERATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUPPLY ANY NECESSARY SHORING, BRACING, GUYS, ETC., TO PROPERLY BRACE THE STRUCTURE AGAINST WIND, DEAD AND LIVE LOADS UNTIL THE BUILDING IS COMPLETED ACCORDING TO THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL NOT PLACE BACK FILL AGAINST BASEMENT WALLS UNTIL THE FLOOR SYSTEM IS COMPLETELY INSTALLED OR CONTRACTOR HAS PROVIDED ADEQUATE SHORING AND BRACING. ANY QUESTIONS REGARDING TEMPORARY SHORING REQUIREMENTS SHOULD BE FORWARDED TO THE STRUCTURAL ENGINEER FOR REVIEW.

THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION, AND ANY TEMPORARY BRACING OR SUPPORT REQUIRED TO ACCOMMODATE THE CONTRACTOR'S MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR IS TO VERIFY ALL OPENING SIZES AND LOCATIONS WITH THE REQUIREMENTS OF OTHER TRADES PRIOR TO FABRICATION AND ERECTION.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THE WORK OF ALL TRADES IS COORDINATED WITH ADJACENT WORK.

EARTH RETAINING WALLS, OTHER THAN CANTILEVERED TYPE WALLS, SHALL BE ADEQUATELY BRACED UNTIL CONCRETE FOR SUPPORTING SLABS HAS BEEN PLACED AND ALL CONCRETE HAS CURED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING, FURNISHING, ERECTING AND REMOVING ANY TEMPORARY SHORING AND BRACING DURING CONSTRUCTION.

THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED AT THE PROPER TIME WHEN ALL ITEMS ARE READY FOR OBSERVATION. SUFFICIENT NOTICE SHALL BE GIVEN BY THE CONTRACTOR TO ALLOW FOR SCHEDULING OF OBSERVATIONS.

SAFETY REGULATIONS SHALL BE STRICTLY FOLLOWED BY THE CONTRACTOR OR SUBCONTRACTOR DURING ALL TIMES OF WORK ON THIS PROJECT. THE ARCHITECT OR ENGINEER SHALL NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR ACTS OF OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

ALL SPECIALTY BOLTS, INCLUDING EXPANSION TYPE AND EPOXY TYPE ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.

THE CONTRACTOR SHALL PROTECT FROM DAMAGES EXISTING BUILDING(S), OWNER EQUIPMENT, ROADS, WALKS AND UTILITIES. THE CONTRACTOR SHALL MAINTAIN THESE DURING THE COURSE OF THE WORK, AND SHALL REPAIR ALL DAMAGES AT NO ADDITIONAL EXPENSE TO THE OWNER.

IN AREAS WHERE THE DRAWINGS DO NOT ADDRESS METHODOLOGY, THE CONTRACTOR SHALL BE BOUND TO PERFORM IN STRICT COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.

ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

THE GENERAL NOTES AND TYPICAL DETAILS APPLY THROUGHOUT THE JOB UNLESS OTHERWISE NOTED OR SHOWN.

THE CONTRACTOR SHALL COMPARE AND COORDINATE ALL DRAWINGS. IF A DISCREPANCY EXISTS, HE SHALL PROMPTLY REPORT IT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK.

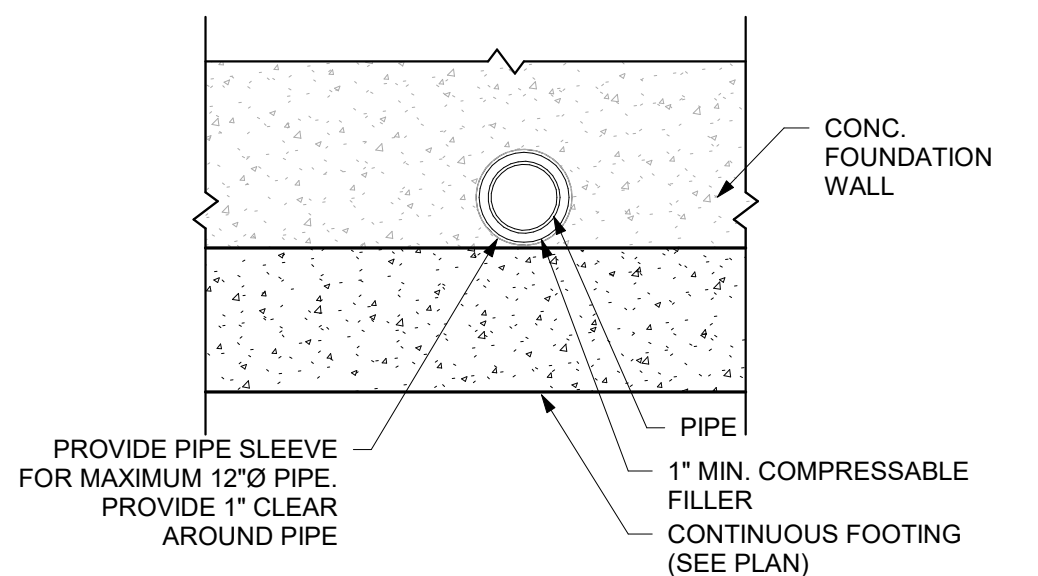
IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN OR NOTED.

THESE PLANS ARE SUBJECT TO MODIFICATIONS AS NECESSARY TO MEET CODE REQUIREMENTS OR TO FACILITATE MECHANICAL, PLUMBING INSTALLATIONS OR TO INCORPORATE DESIGN IMPROVEMENTS.

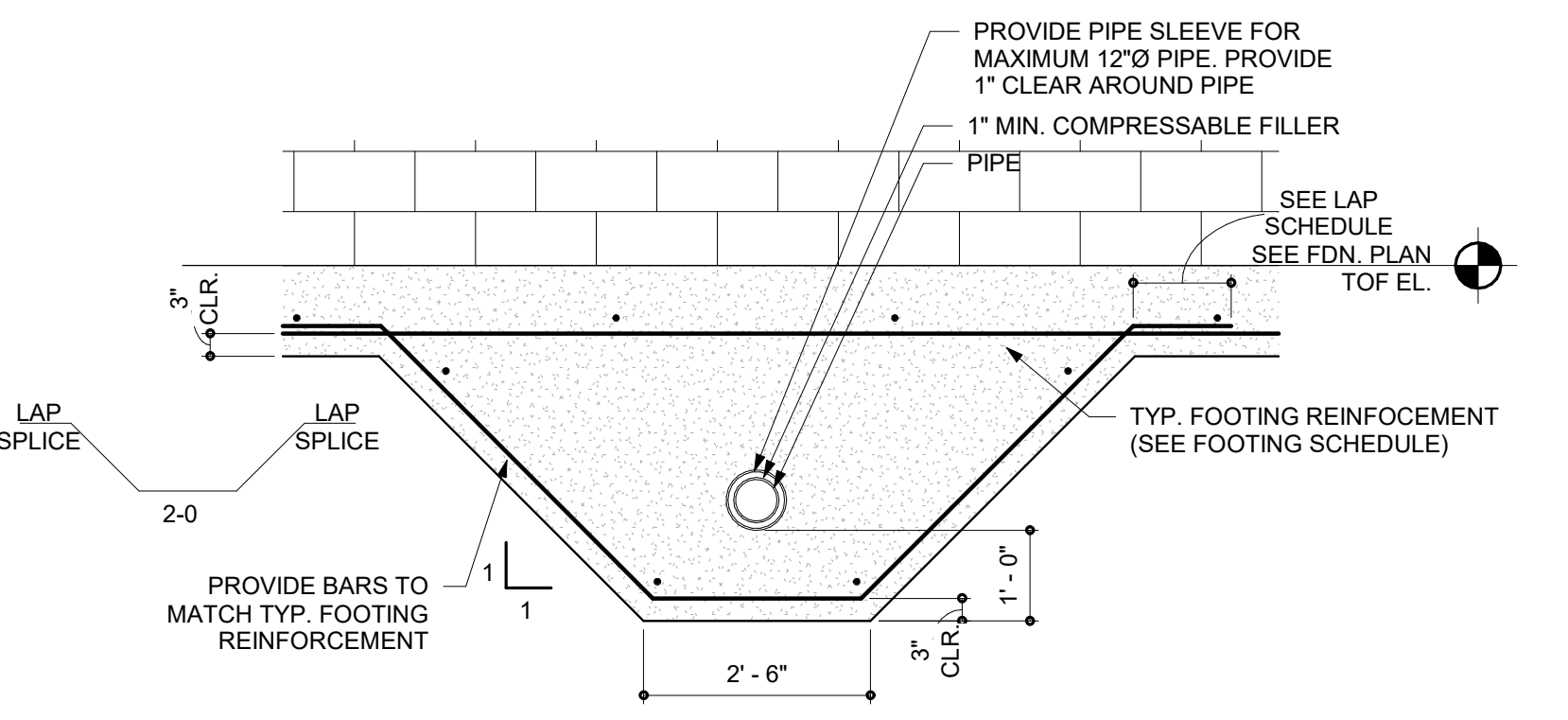
DO NOT BUILD OVER GAS LINES OR ENCLOSE THE METER. CONSULT THE LOCAL GAS COMPANY PRIOR TO CONSTRUCTION.

DESIGN OF FRAMING MEMBERS SHALL CONFORM TO AISI SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL MEMBERS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE DESIGN AND DETAILING OF ALL MEMBERS AND CONNECTIONS IN CONFORMANCE WITH THE GENERAL LAYOUT, PROPERTIES AND BASIC MEMBER SIZES SPECIFIED. SUBMIT STRUCTURAL

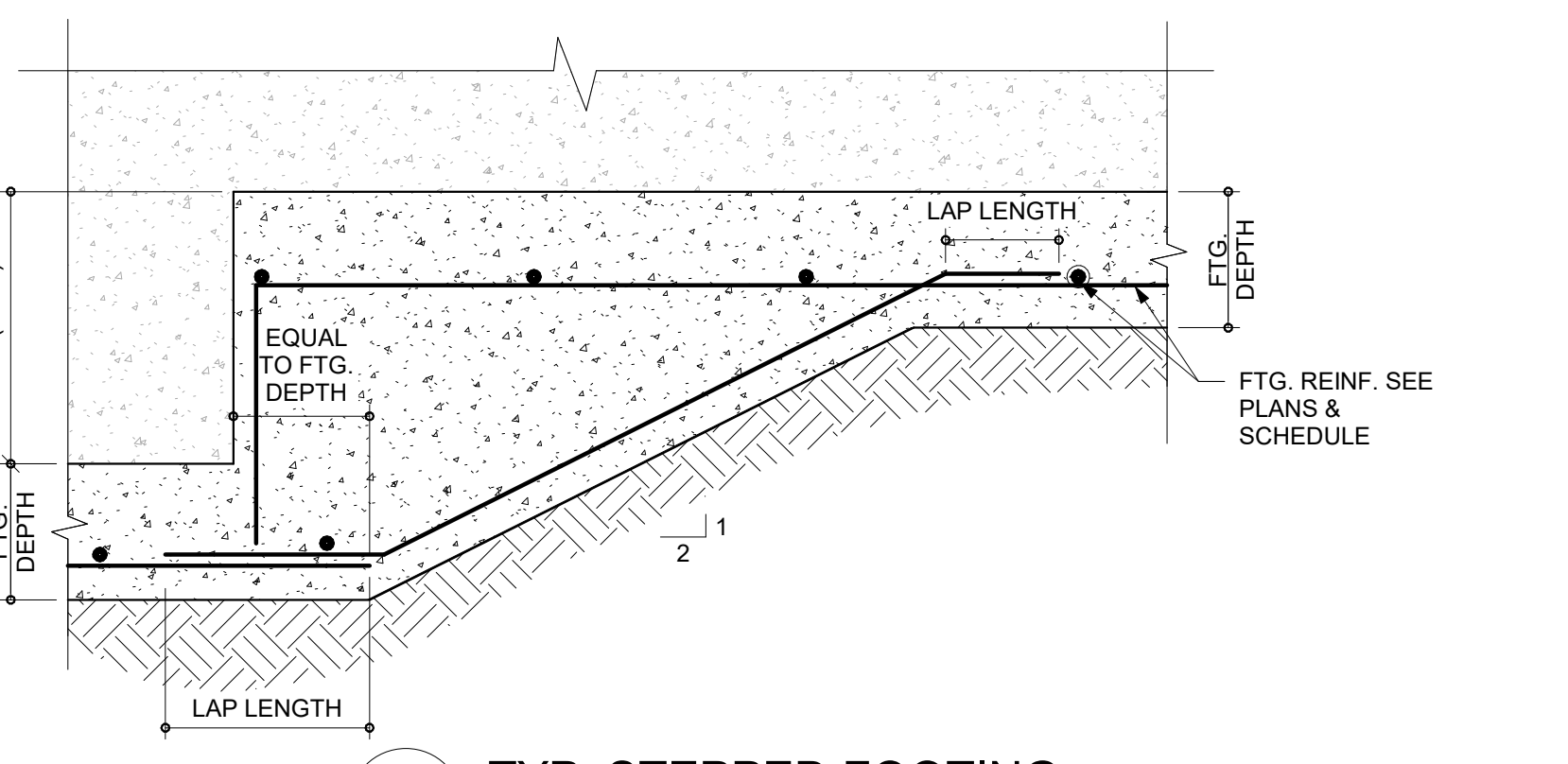
STUDS, BRIDGING AND ACCESSORIES SHALL HAVE A MINIMUM YIELD STRENGTH OF 50,000 PSI FOR 16 GAGE AND THICKER MATERIALS, AND 33,000 PSI FOR MATERIALS THINNER THAN 16 GAGE.



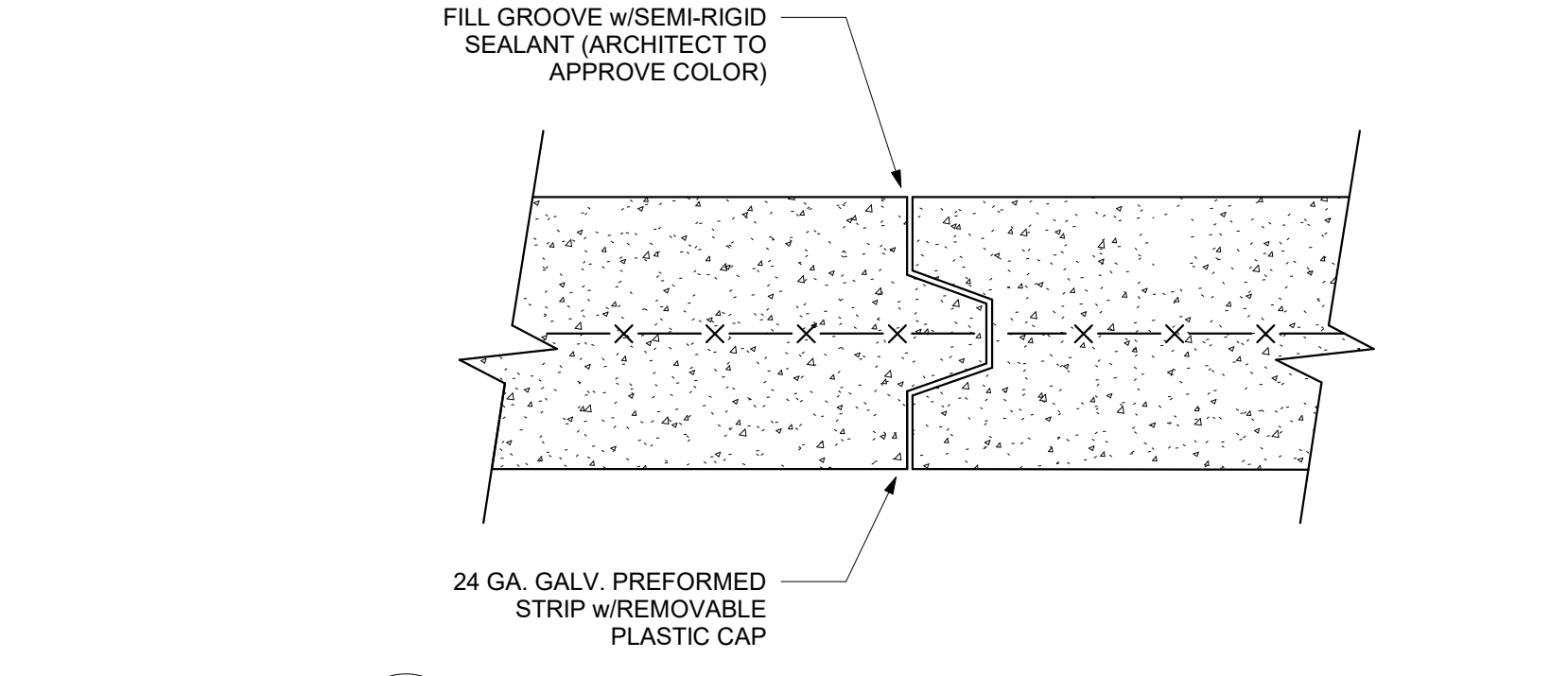
1 TYP. FOUNDATION WALL PENETRATION DETAIL SCALE: 3/4" = 1'-0"



2 TYP. FOUNDATION PENETRATION SCALE: 1/2" = 1'-0"



3 TYP. STEPPED FOOTING SCALE: 3/4" = 1'-0"



4 CONCRETE CONSTR. JOINT SCALE: 3\"/>

BECKER MORGAN GROUP ARCHITECTURE ENGINEERING Delaware 309 S Galloway Ave Dover, DE 19904 302.734.7950 The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19711 302.369.3700 Maryland 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 North Carolina 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com

THIS DRAWING HAS BEEN PREPARED BY BECKER MORGAN GROUP INC. SOLELY FOR THIS PROJECT PURSUANT TO A LIMITED SERVICES AGREEMENT FOR ARCHITECTURAL AND STRUCTURAL ENGINEERING DESIGN ONLY. SERVICES EXCLUDE RESPONSIBILITY FOR A LANDSCAPE ARCHITECTURE AND ALL OTHER ENGINEERING - CIVIL, GEOTECHNICAL, MECHANICAL, ELECTRICAL, ACOUSTICAL, ETC. PROJECT SPECIFICATIONS, FIELD COORDINATION, DETAILING AND COMPLIANCE WITH ALL REGULATORY REQUIREMENTS - BUILDING, ZONING AND OTHER RELEVANT CODES, REMAINS THE RESPONSIBILITY OF THE CONTRACTOR FOR THE EXECUTION OF THIS WORK.

Professional Engineer Seal for Robert J. Morgan, State of Delaware, License No. 18535, Expiration Date 06/30/2022.

PROJECT TITLE WORCESTER COUNTY RECREATION STORAGE ADDITION 6030 PUBLIC LANDING ROAD SNOW HILL, MARYLAND

Table with 3 columns: Mark, Date, Description. Includes PROJECT NO: 2013173.01, DATE: 01.13.2023, SCALE: As indicated, DRAWN BY: CMK, PROJ MGR: JIW.

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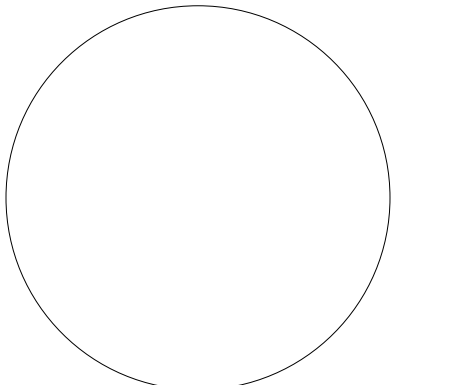












PROFESSIONAL CERTIFICATION:  
I CERTIFY THAT THESE DOCUMENTS  
WERE PREPARED OR APPROVED BY ME,  
AND THAT I AM A FULLY LICENSED  
ARCHITECT UNDER THE LAWS OF THE  
STATE OF MARYLAND.  
LICENSE NUMBER: 5152-A  
EXPIRATION DATE: 03/09/2023

PROJECT TITLE

**WORCESTER COUNTY RECREATION STORAGE ADDITION**

SHEET TITLE

**FIRST FLOOR AND ROOF PLAN AND EXTERIOR ELEVATIONS**

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

REVISION BLOCK

Mark	Date	Description
2	05/24/2023	ADDENDUM 1
1	02/03/2023	PERMIT REVISION

PROJECT NO: 2013173.01  
DATE: 05/24/2023  
SCALE: 1/8" = 1'-0"

DRAWN BY: BMR PROJ MGR: JRP

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**DEMOLITION NOTES**

- THE OWNER WILL REMOVE ALL FURNITURE AND EQUIPMENT PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITY.
- NO HAZARDOUS MATERIALS ARE EXPECTED TO BE ENCOUNTERED IN THIS AREA. SEE SPECIFICATION PROCEDURE FOR HAZARDOUS MATERIALS ENCOUNTERED DURING DEMOLITION.
- SEE STRUCTURAL AND CIVIL DRAWINGS FOR ADDITIONAL WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS.
- EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DEMOLITION OPERATIONS.
- COORDINATE EXTENT OF DEMOLITION REQUIRED WITH NEW WORK.
- UNLESS OTHERWISE INDICATED, INFILL, PATCH, AND REPAIR SURFACES AT DEMOLISHED ITEMS TO MATCH ADJACENT UNDAMAGED SURFACES.
- CONTRACTOR TO PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED TO ACCOMPLISH DEMOLITION ACTIVITIES AND MAINTAIN STRUCTURAL STABILITY UNTIL NEW WORK IS ACCOMPLISHED.

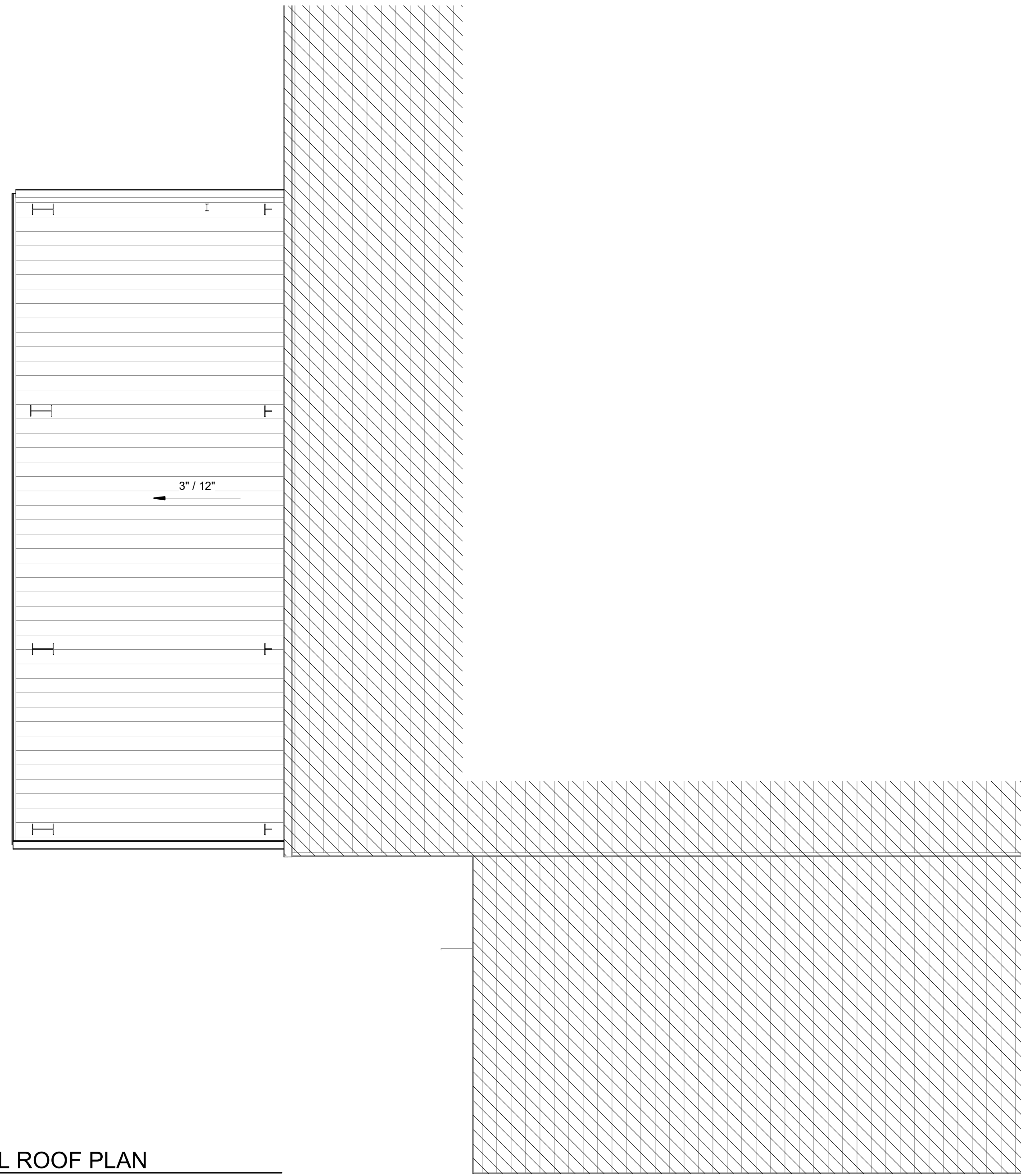
**DEMOLITION LEGEND**

AREA NOT IN CONTRACT

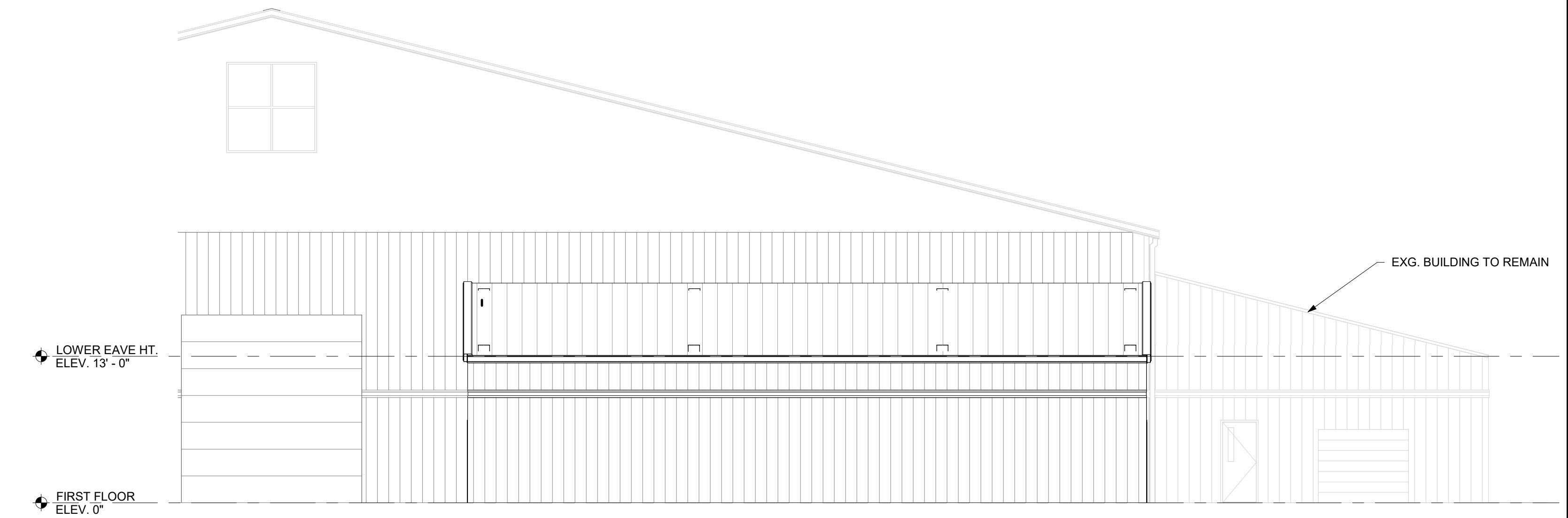
**FLOOR PLAN**

WALL TO REMAIN      WALL TO BE REMOVED      DOOR TO REMAIN      DOOR TO BE REMOVED

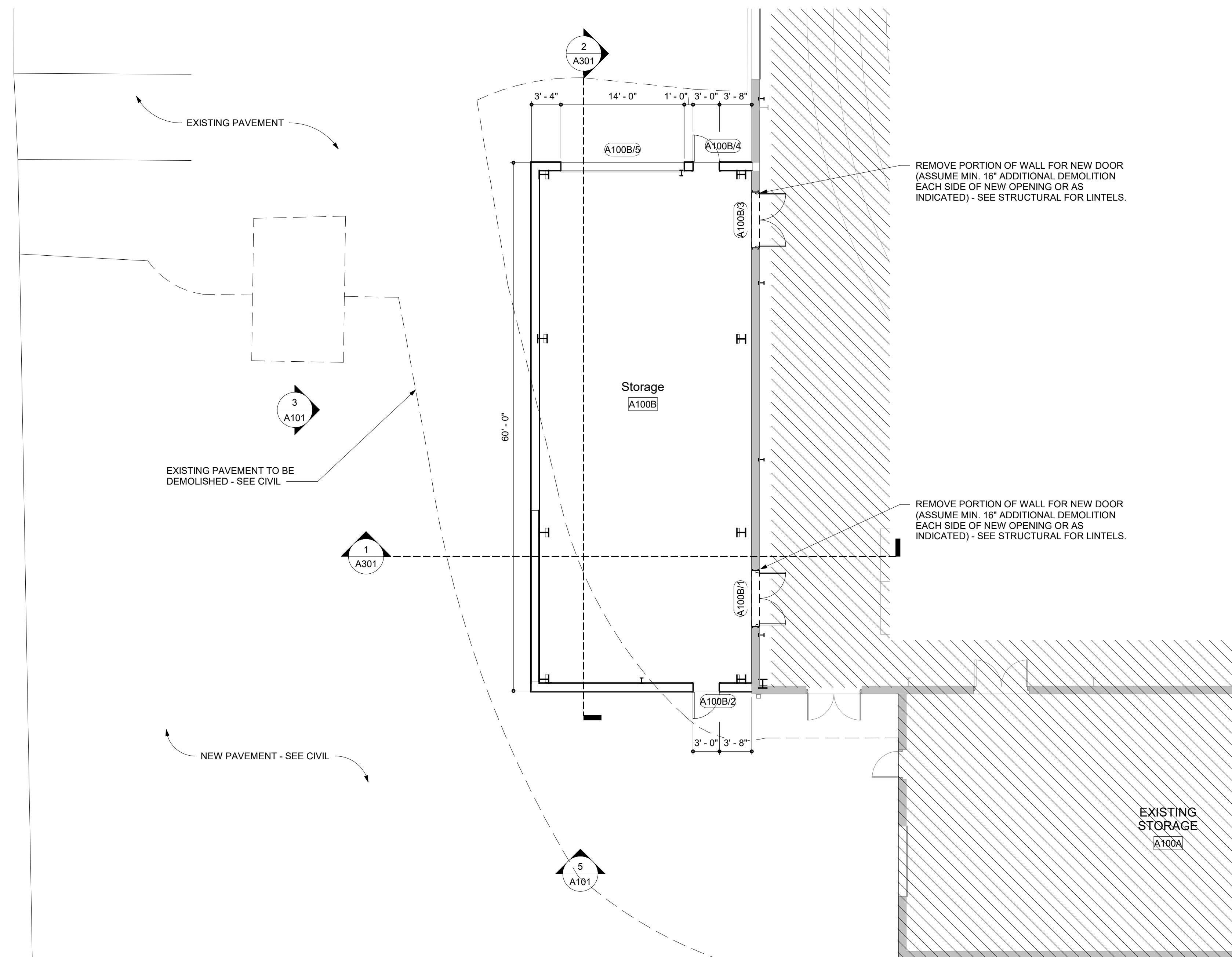
PORTION OF FLOOR TO BE REMOVED - COORD. W/ PLUMBING AND STRUCTURAL DRAWINGS.



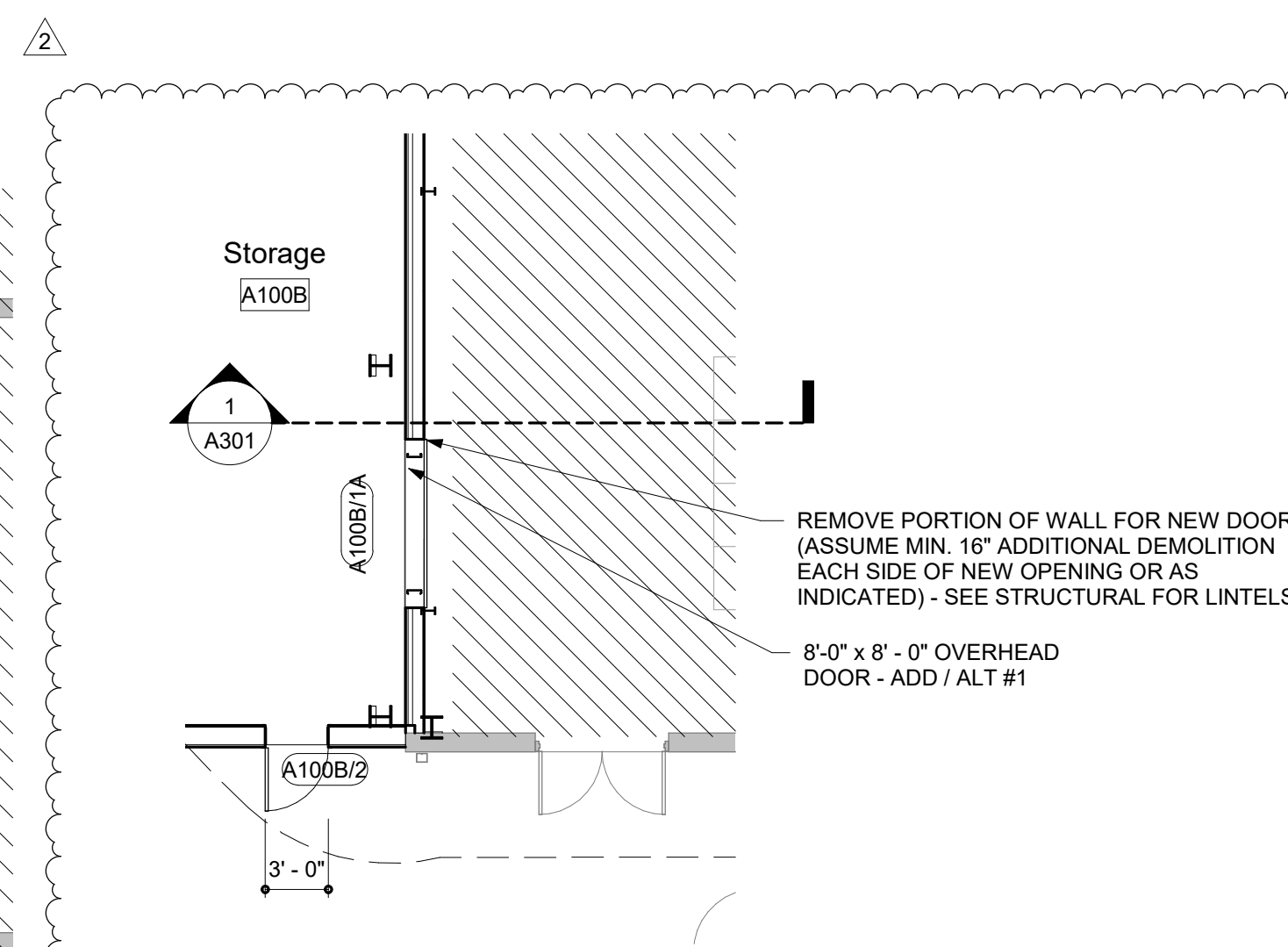
**2 PARTIAL ROOF PLAN**  
SCALE: 1/8" = 1'-0"



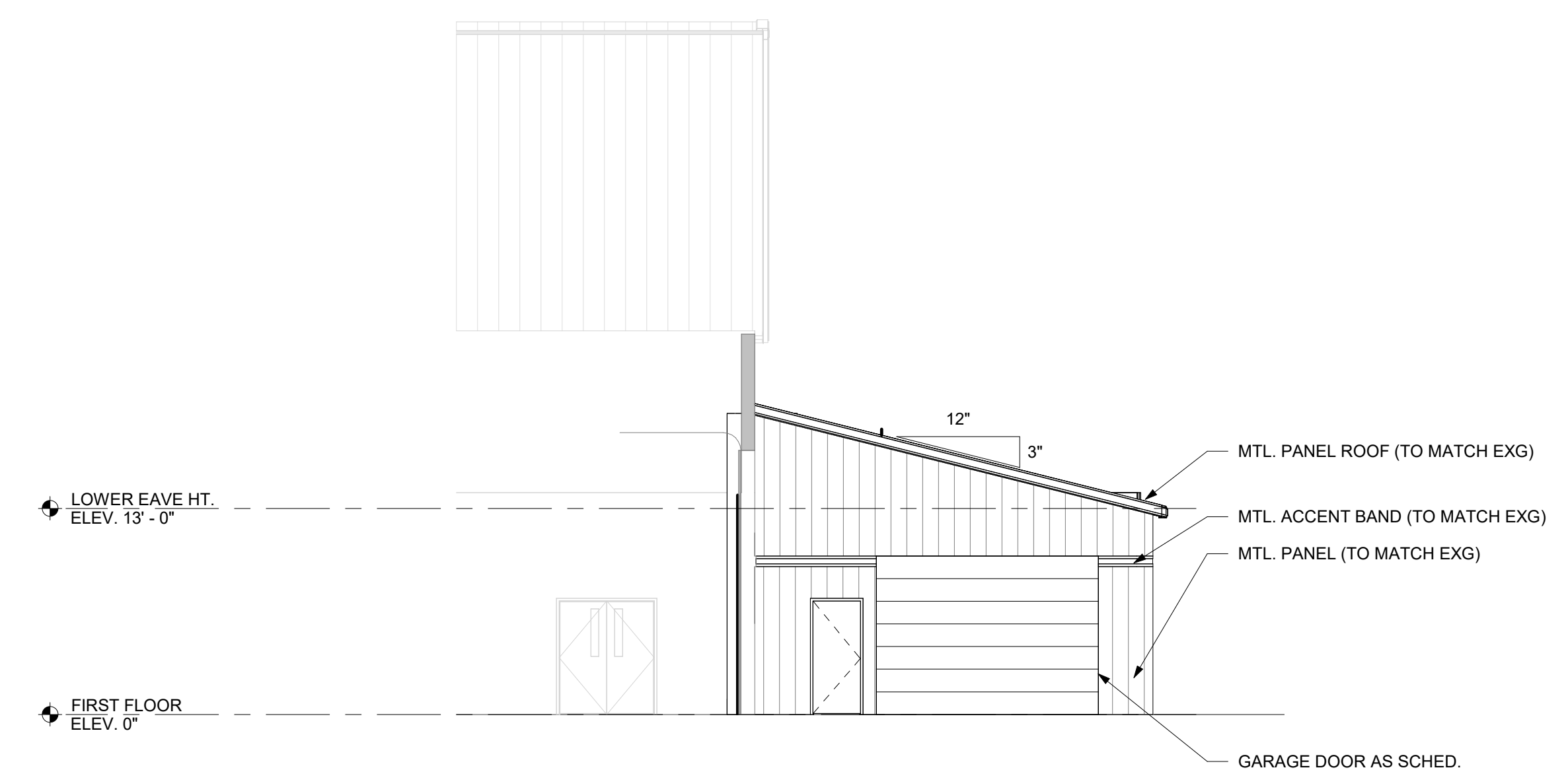
**3 PARTIAL WEST ELEVATION**  
SCALE: 1/8" = 1'-0"



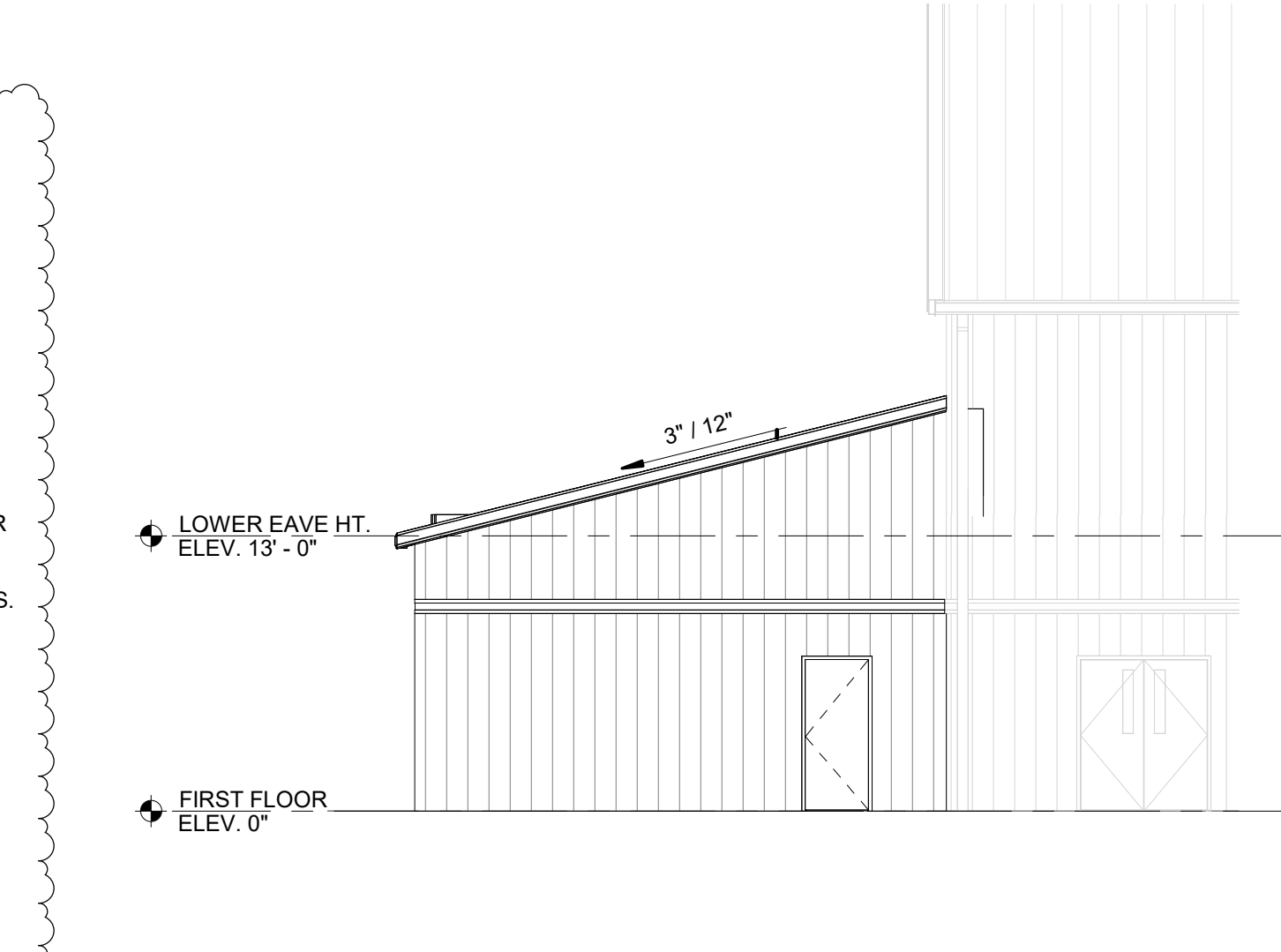
**1 PARTIAL FIRST FLOOR AT STORAGE**  
SCALE: 1/8" = 1'-0"



**1A PARTIAL FIRST FLOOR AT STORAGE (ADD/ALT #1)**  
SCALE: 1/8" = 1'-0"



**4 PARTIAL NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



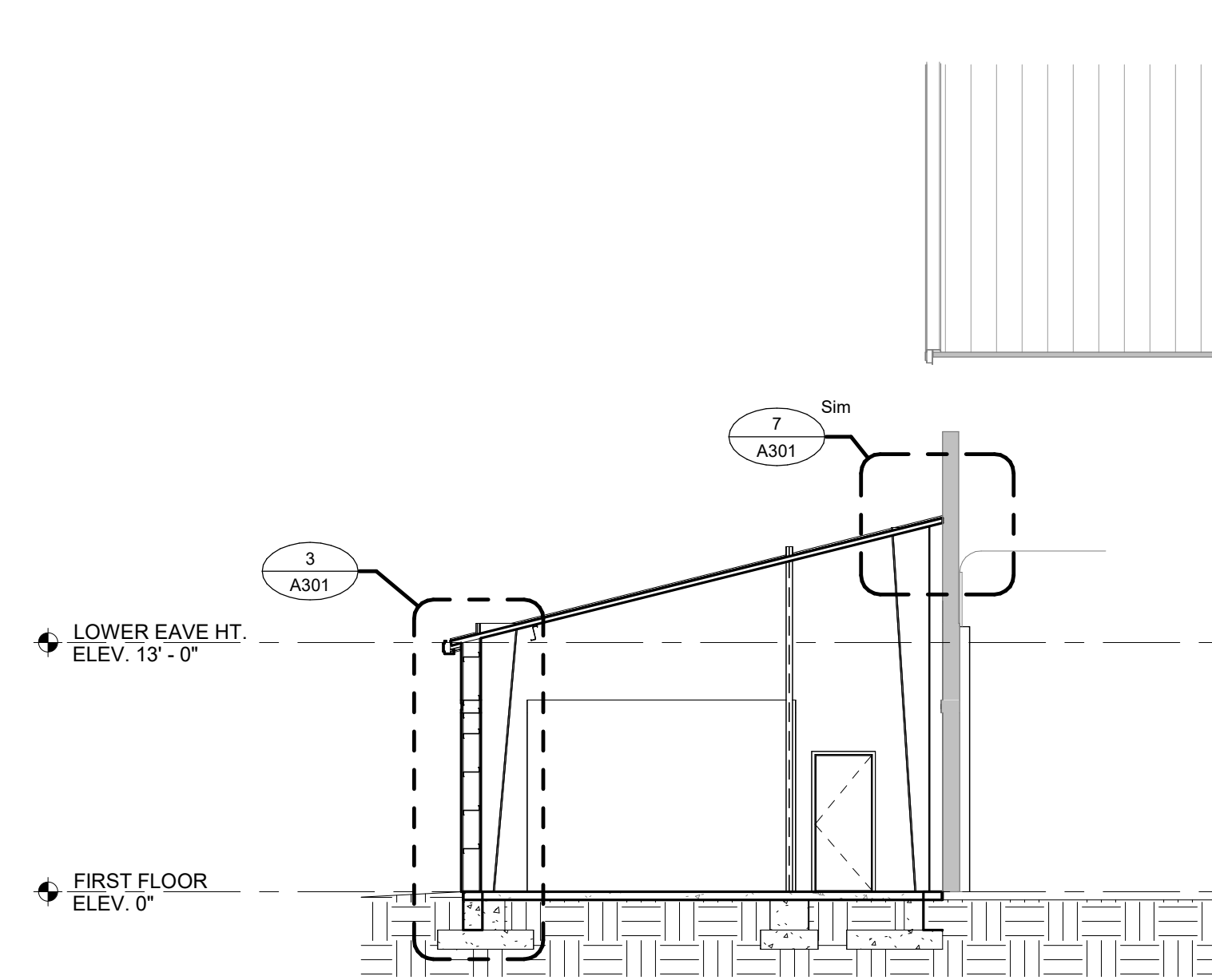
**5 PARTIAL SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"



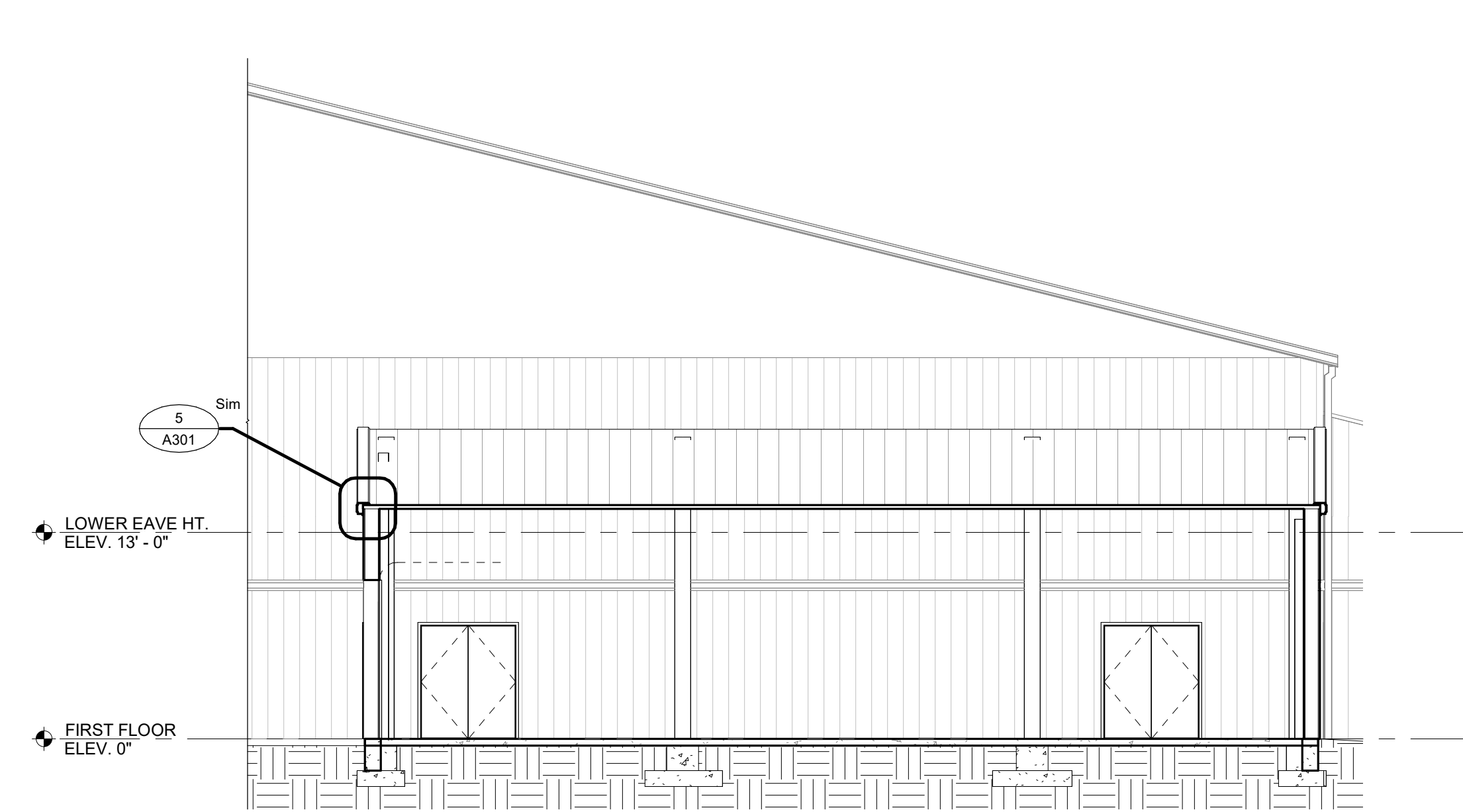
**SECTION GENERAL NOTES**

1. PRE-MANUFACTURED METAL BUILDING FRAMING IS DIAGRAMATIC. SPACING, SIZING AND EXACT LOCATION TO BE DETERMINED BY BUILDING MANUFACTURER.
2. G.C. IS TO COORDINATE ALL BUILDING ENVELOPE DETAILS WITH PRE-MANUFACTURED BUILDING MANUFACTURER'S SPECIFICATIONS & DETAILS.

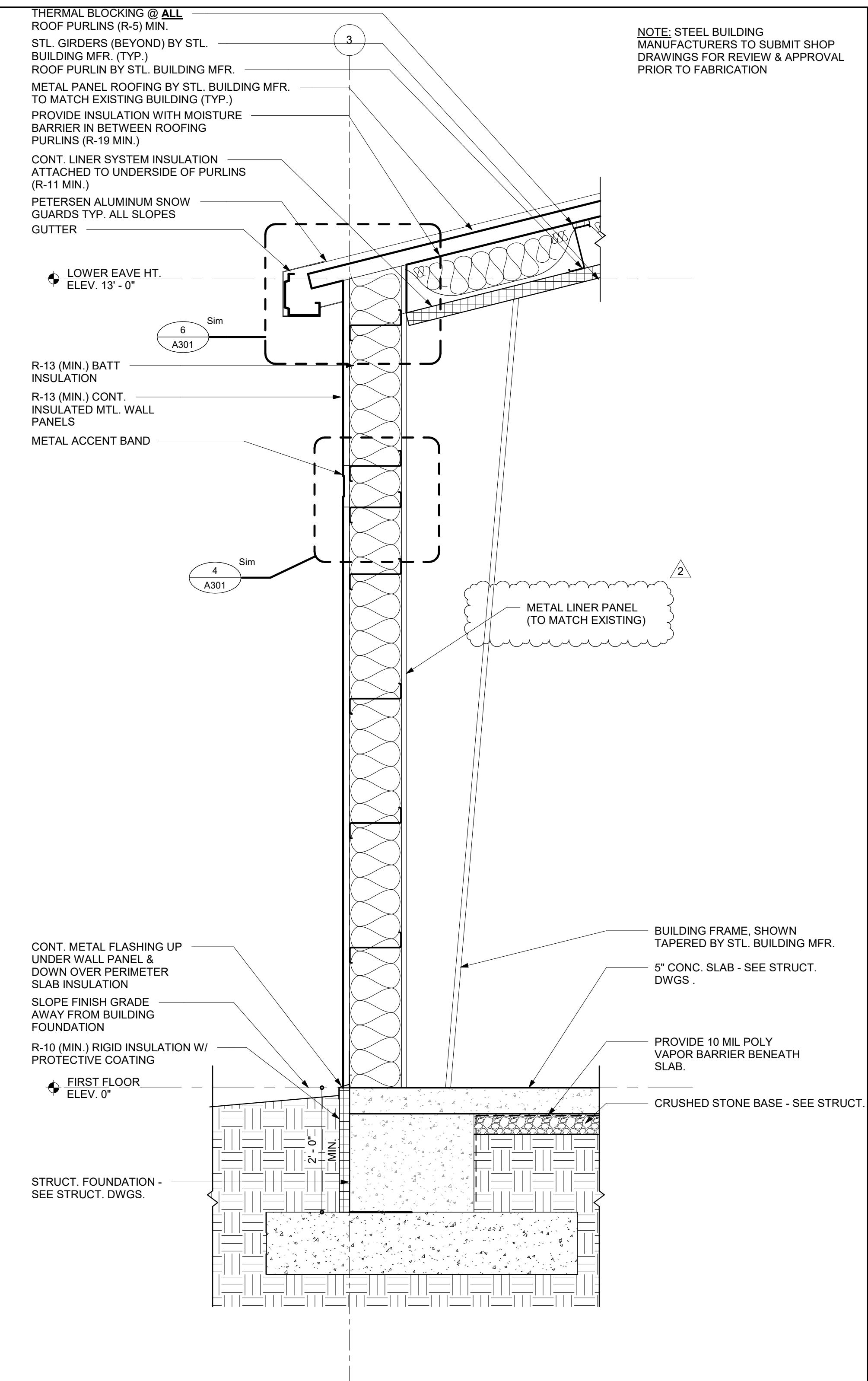
NOTE: STEEL BUILDING MANUFACTURERS TO SUBMIT SHOP DRAWINGS FOR REVIEW & APPROVAL PRIOR TO FABRICATION



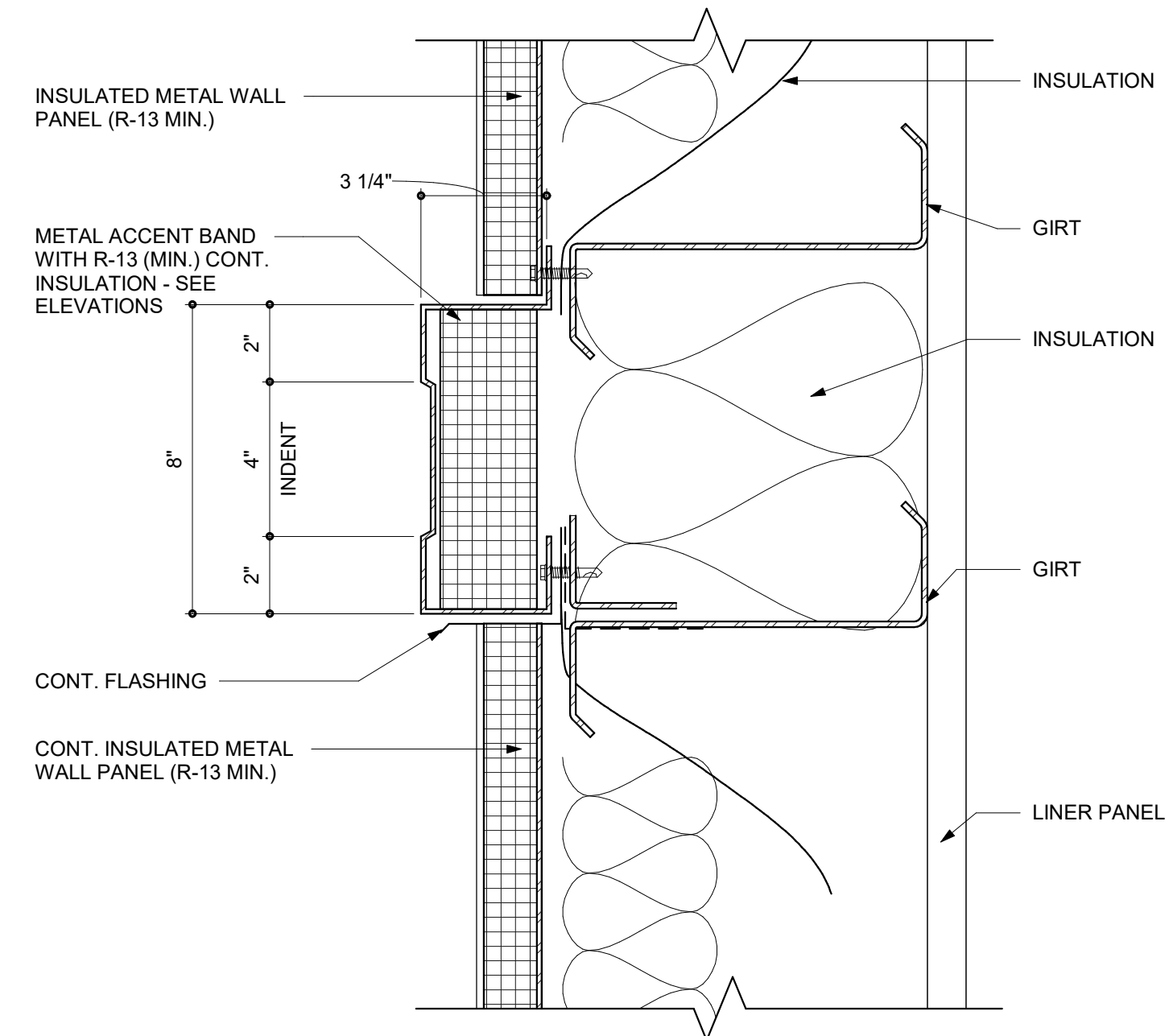
**1 BUILDING SECTION**  
SCALE: 1/8" = 1'-0"



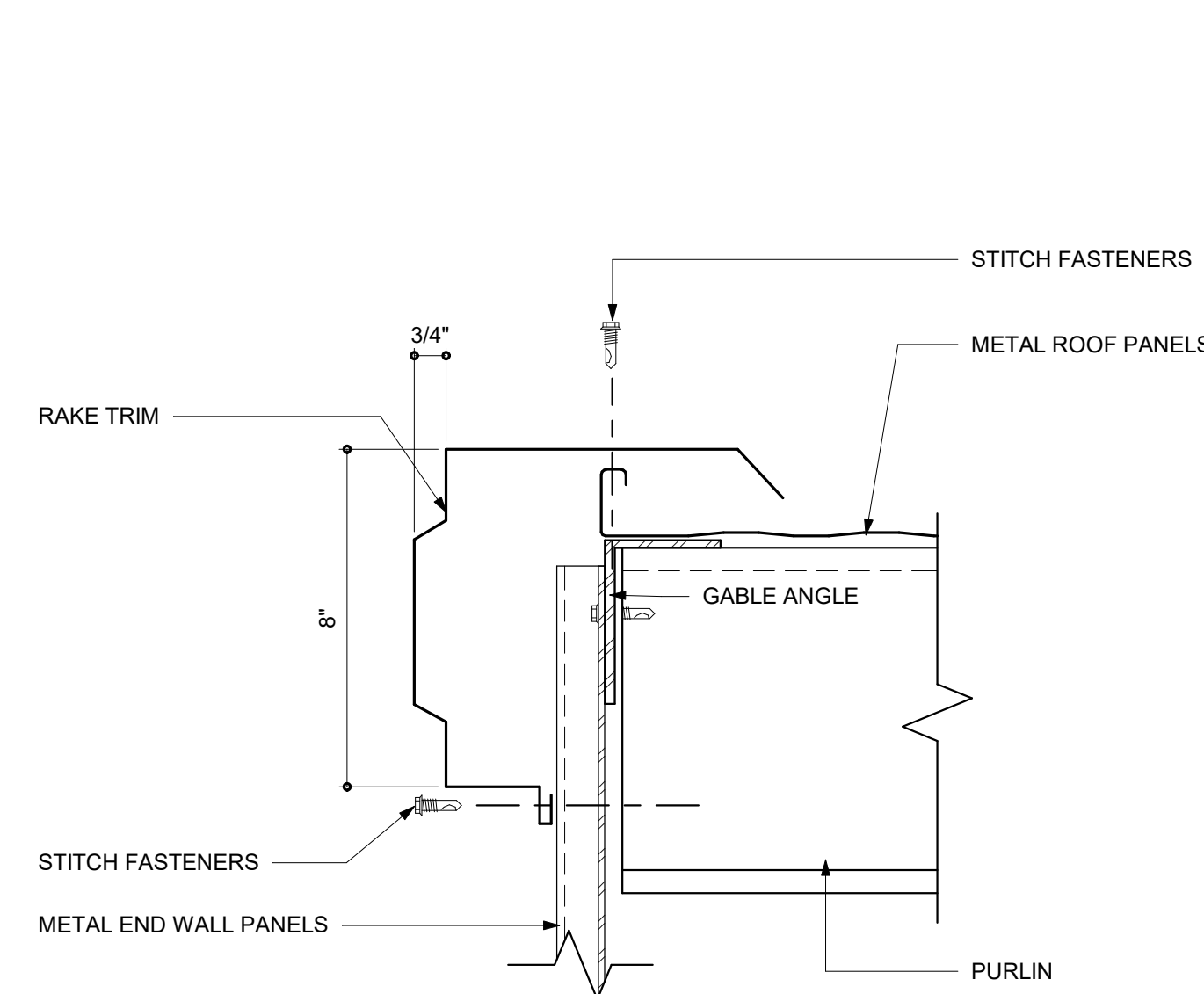
**2 BUILDING SECTION**  
SCALE: 1/8" = 1'-0"



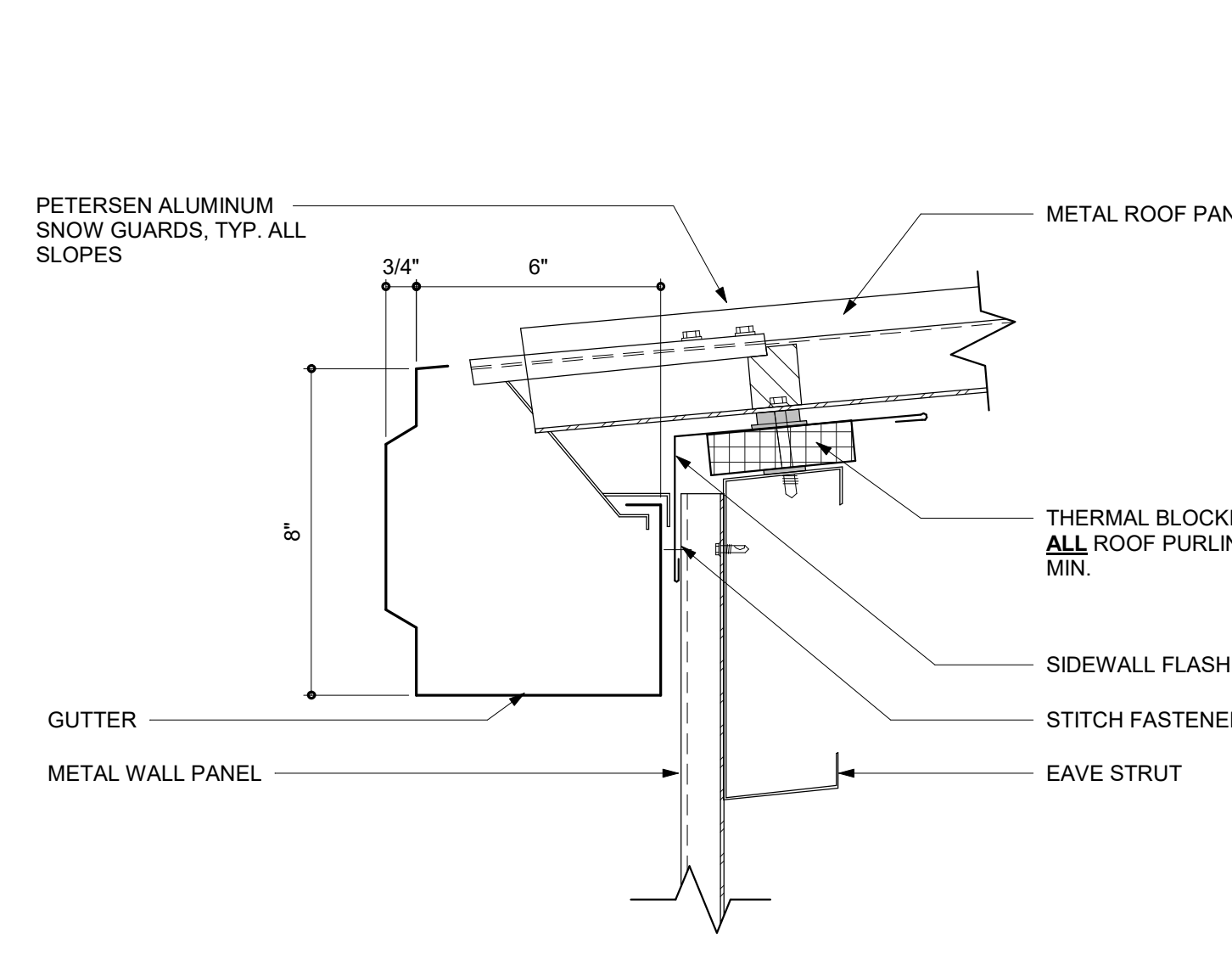
**3 WALL SECTION**  
SCALE: 3/4" = 1'-0"



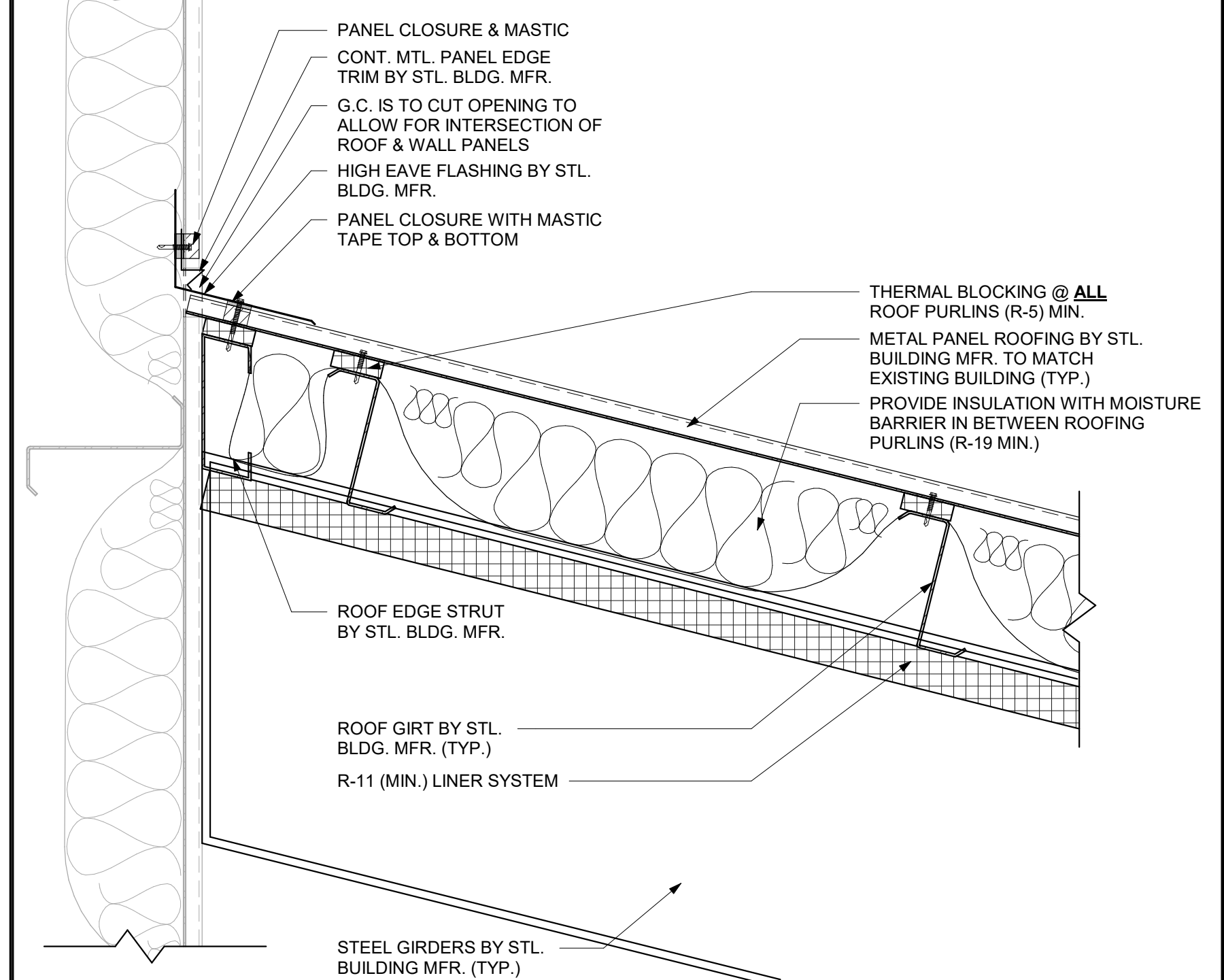
**4 METAL ACCENT BAND DETAIL**  
SCALE: 3" = 1'-0"



**5 ROOF DETAIL - STANDARD END WALL RAKE**  
SCALE: 3" = 1'-0"



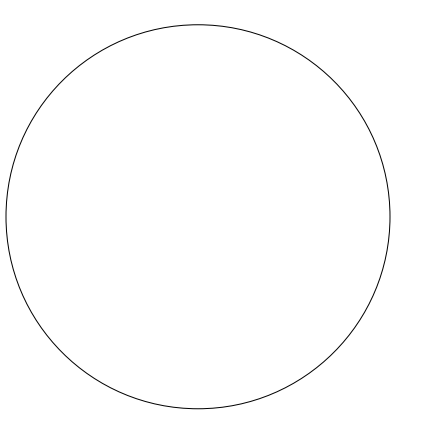
**6 ROOF DETAIL - STANDARD EAVE GUTTER**  
SCALE: 3" = 1'-0"



**7 ROOF TO WALL INTERSECTION DETAIL**  
SCALE: 1 1/2" = 1'-0"



**ARCHITECTURE ENGINEERING**  
Delaware  
309 S Governors Ave  
Dover, DE 19904  
302.734.7950  
The Tower at STAR Campus  
100 Discovery Boulevard, Suite 102  
Newark, DE 19713  
302.369.3700  
Maryland  
312 West Main St, Suite 300  
Salisbury, MD 21801  
410.546.9100  
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3333 Jacckle Drive, Suite 120  
Wilmington, NC 28403  
910.341.7600  
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AND THAT I AM A FULLY LICENSED  
ARCHITECT UNDER THE LAWS OF THE  
STATE OF MARYLAND.  
LICENSE NUMBER: 5152-A  
EXPIRATION DATE: 03/09/2023

PROJECT TITLE  
**WORCESTER COUNTY RECREATION STORAGE ADDITION**

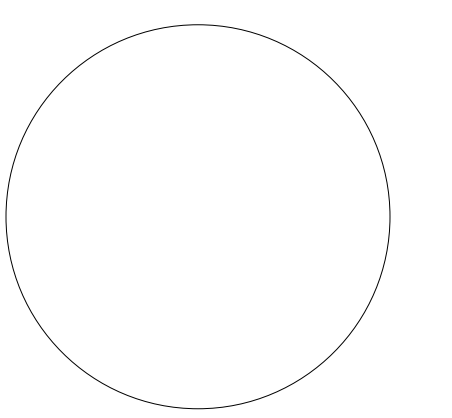
SHEET TITLE  
**BUILDING AND WALL SECTIONS AND DETAILS**

Mark	Date	Description
2	05/24/2023	ADDENDUM 1
1	02/03/2023	PERMIT REVISION

PROJECT NO: 2013173.01  
DATE: 05/24/2023  
SCALE: As indicated  
DRAWN BY: BMR | PROJ MGR: JRP

**A301**  
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PROJECT TITLE

**WORCESTER COUNTY RECREATION STORAGE ADDITION**

SHEET TITLE

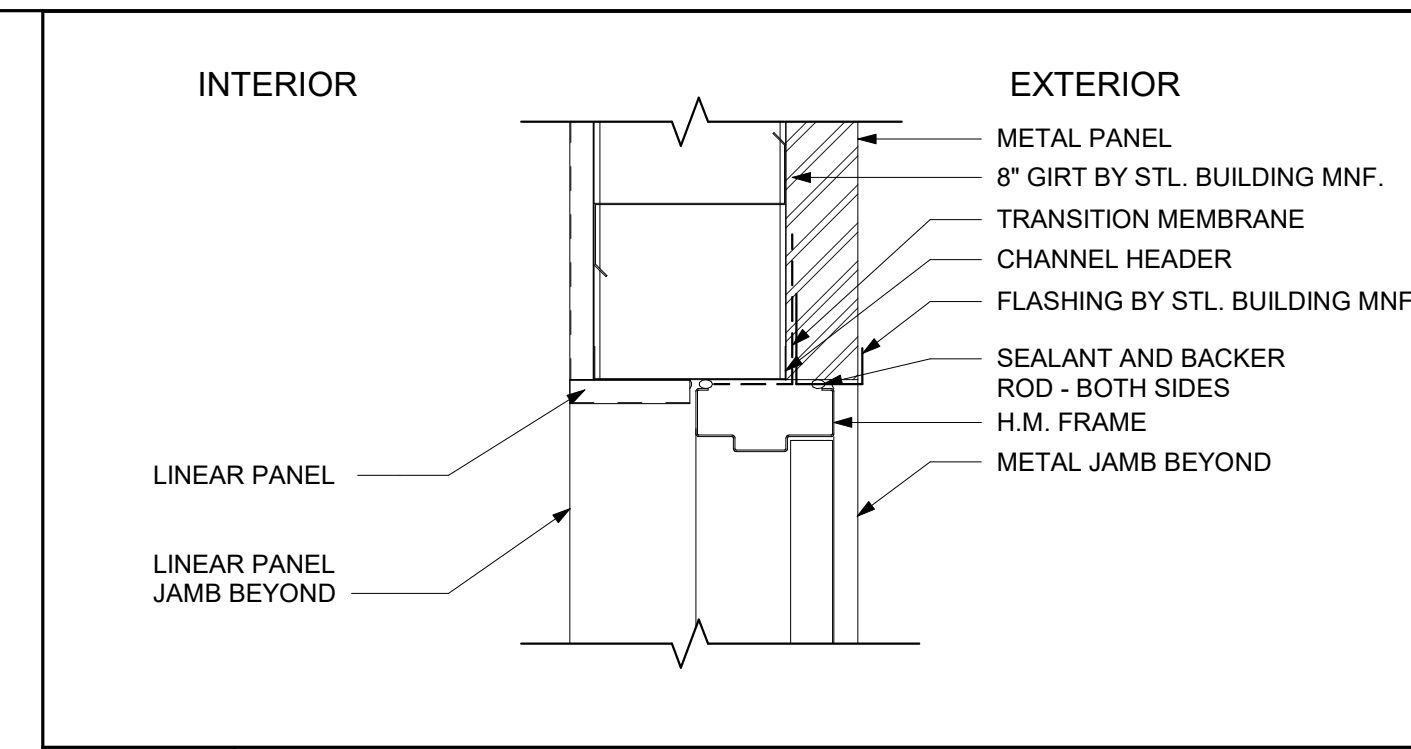
**DOOR AND WINDOW TYPES AND SCHEDULE**

ISSUE BLOCK

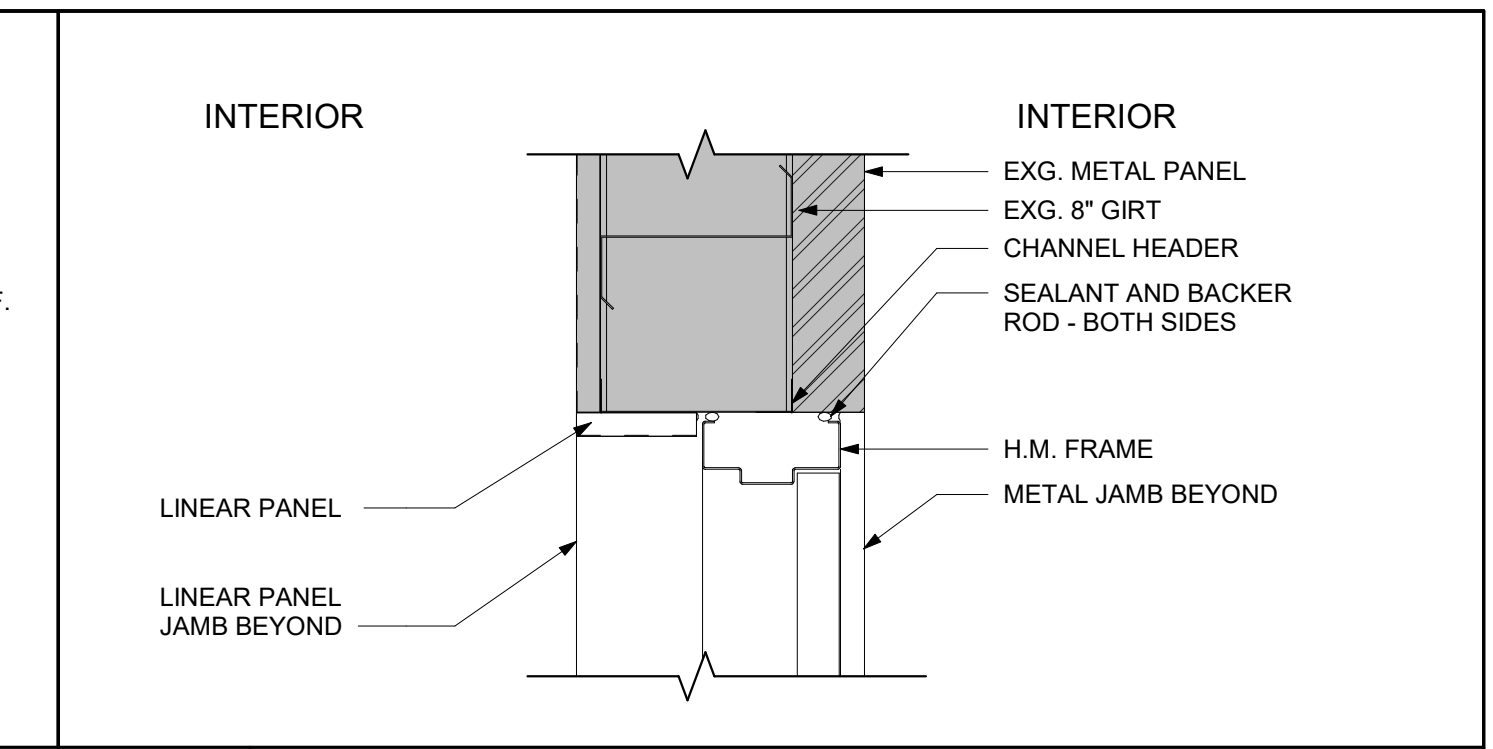
Mark	Date	Description
2	05/24/2023	ADDENDUM 1
1	02/03/2023	PERMIT REVISION

PROJECT NO: 2013173.01  
DATE: 05/24/2023  
SCALE: As Indicated  
DRAWN BY: BMR | PROJ MGR: JRP

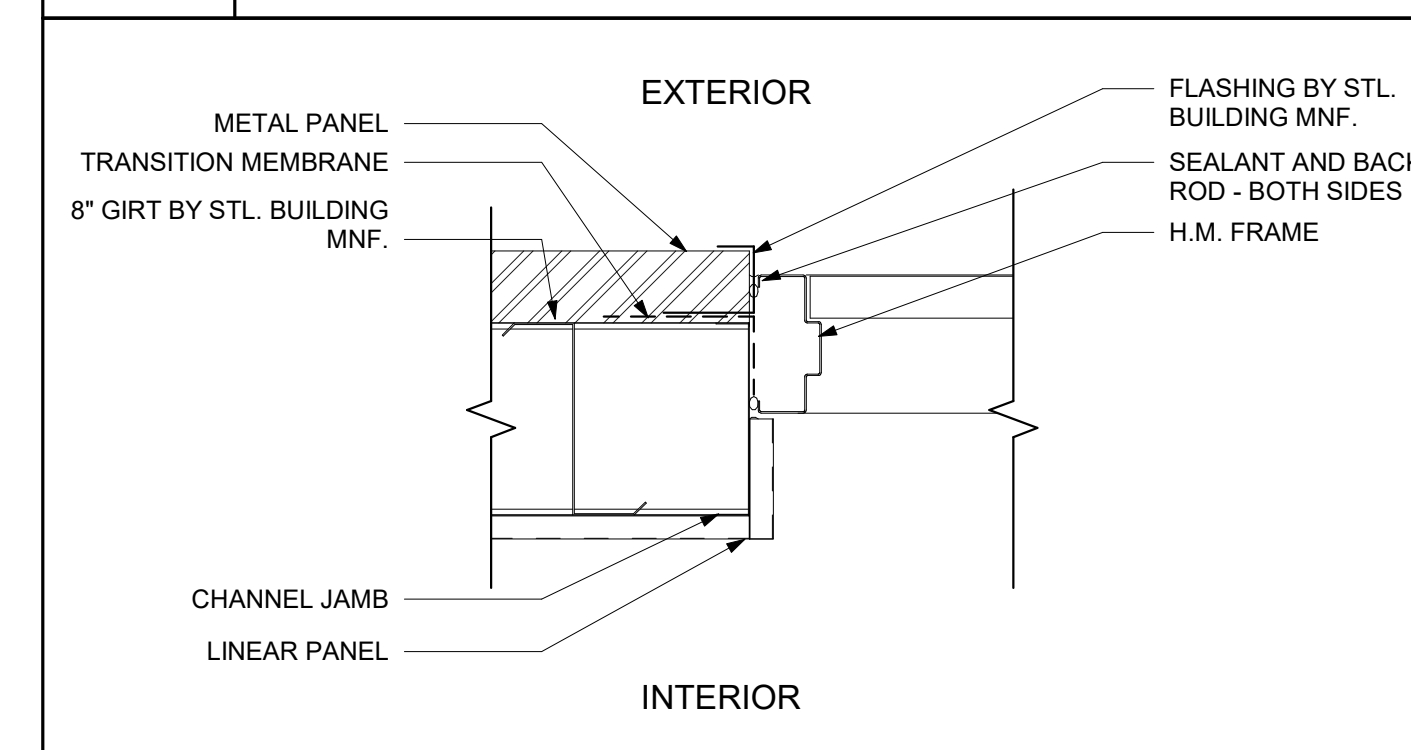
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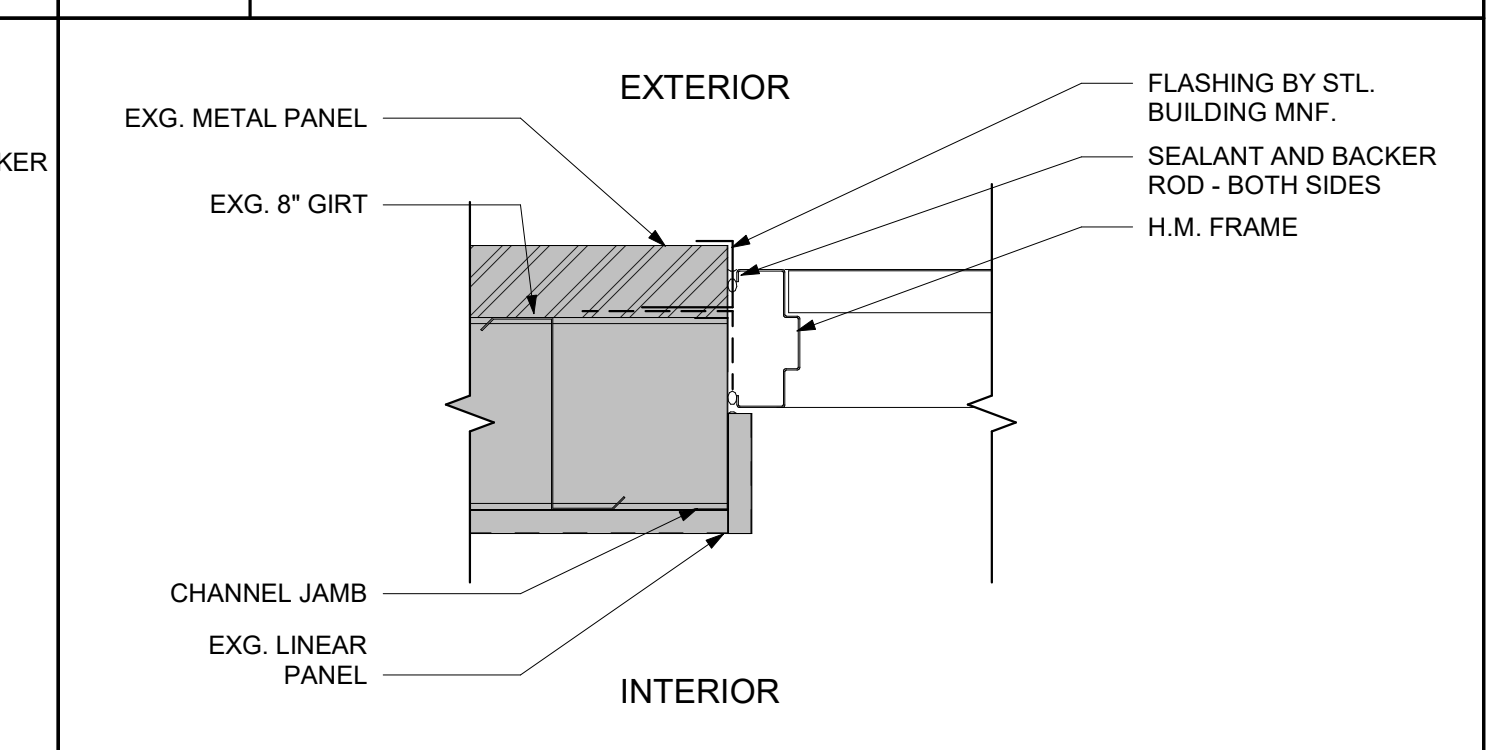
**H1** H.M. DOOR AT GIRT - HEAD DETAIL  
SCALE: 1 1/2" = 1'-0"



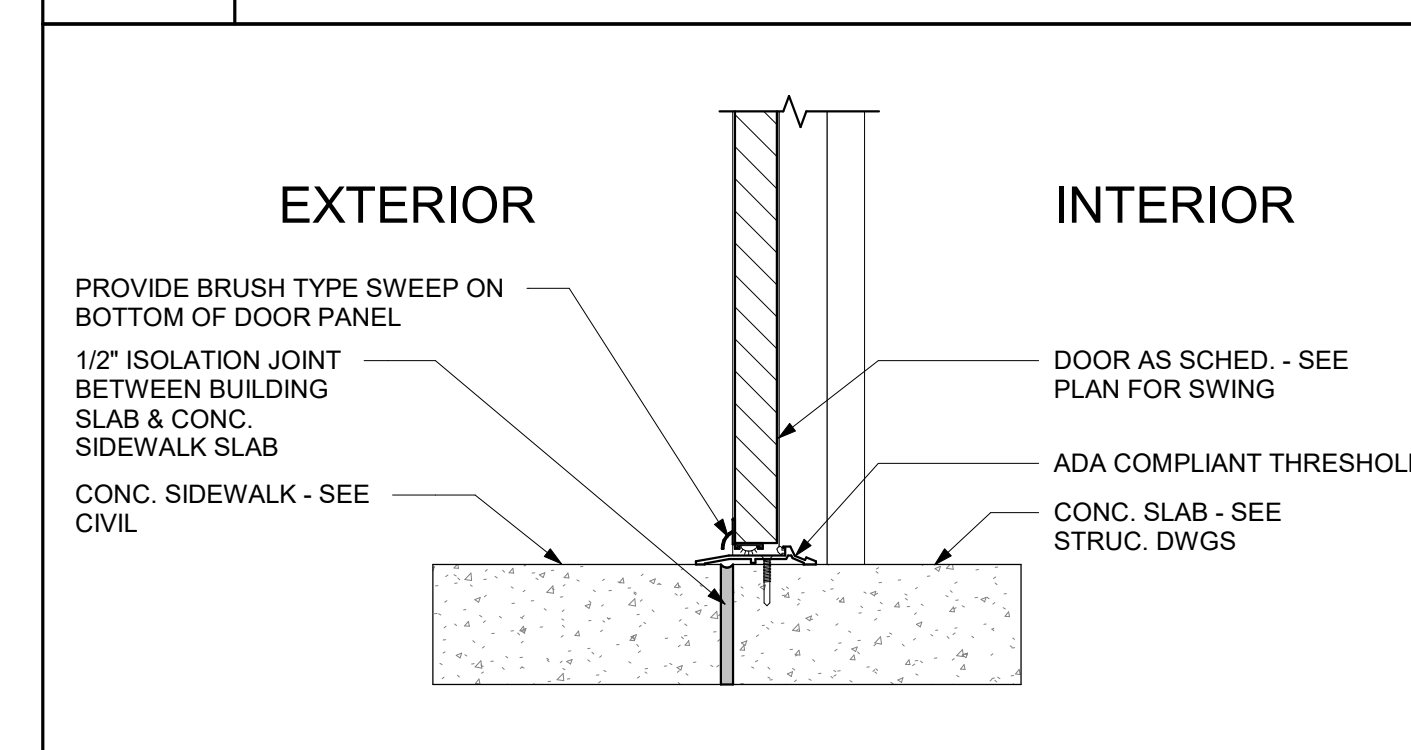
**H2** H.M. DOOR AT EXG GIRT - HEAD DETAIL  
SCALE: 1 1/2" = 1'-0"



**J1** H.M. DOOR AT GIRT - JAMB DETAIL  
SCALE: 1 1/2" = 1'-0"



**J2** H.M. DOOR AT EXG GIRT - JAMB DETAIL  
SCALE: 1 1/2" = 1'-0"



**S1** H.M. DOOR AT GIRT - SILL DETAIL  
SCALE: 1 1/2" = 1'-0"

**DOOR HARDWARE SCHEDULE**

MARK	DESCRIPTION	QTY	ITEM #	UNIT	MANUFACTURER
<b>A1008/1</b>					
<b>A1008/3</b>					
6 EA.	HINGES		T4A3386-NRP	630	MCKINNEY
2 EA.	FLUSH BOLTS		3915	626	TRIMCO
1 EA.	DUST PROOF STRIKE		3910	626	TRIMCO
1 EA.	STOREROOM LOCKSET		ML2057-LWA	630	CORBIN/RUSSWIN
1 EA.	CLOSER		DC2210	689	CORBIN/RUSSWIN
2 EA.	ARMOR PLATES		KA050-34	630	TRIMCO
2 EA.	WALL STOP HOLDERS		1207	626	TRIMCO
1 EA.	THRESHOLD		#546A	ZERO	
2 EA.	DOOR SWEEPS		#8198A	ZERO	
1 SET	WEATHERSTRIP		#105	DB	DHSI
1 EA.	ASTRAGAL		#43TST	630	ZERO
1 EA.	DRIP CAP		#142A	ZERO	
<b>A1008/2</b>					
<b>A1008/4</b>					
3 EA.	HINGES		TA2714	652	MCKINNEY
1 EA.	STOREROOM LOCKSET		ML2057-LWA	630	CORBIN/RUSSWIN
1 EA.	CORE		8020	626	CORBIN/RUSSWIN
1 EA.	CLOSER		DC2200	689	CORBIN/RUSSWIN
1 EA.	KICK PLATE		KO050-8	630	TRIMCO
1 EA.	FLOOR STOP		1211	626	TRIMCO
1 SET	DOOR SEAL		#105	DB	DHSI
<b>A1008/1A - ADD ALTERNATE</b>					
OPENER (ELECTRIC & MANUAL) BY DOOR MANUFACTURER - WAYNE DALTON					
ALL HARDWARE BY DOOR MANUFACTURER - WAYNE DALTON					

**DOOR SCHEDULE**

MARK	SIZE			DOOR				FRAME		FIRE RATING	COMMENTS
	WIDTH	HT	THICK	MATL	TYPE	FIN	GLAZ	MATL			
FIRST FLOOR											
A1008/1	6'-0"	7'-2"	1 3/4"	HM	A		-	HM	45 MIN		
A1008/2	3'-0"	7'-2"	1 3/4"	HM	A		-	HM			
A1008/3	6'-0"	7'-2"	1 3/4"	HM	A		-	HM	45 MIN		
A1008/4	3'-0"	7'-2"	1 3/4"	HM	A		-	HM			
A1008/5	14'-0"	10'-0"	1 1/2"	STL	GD		-				OVERHEAD DOOR - MATCH EXISTING
DOOR SCHEDULE ADD / ALT #1											
MARK	SIZE			DOOR				FRAME		FIRE RATING	COMMENTS
	WIDTH	HT	THICK	MATL	TYPE	FIN	GLAZ	MATL			
FIRST FLOOR											
A1008/1A	8'-0"	8'-0"	1 1/2"	STL	GD		-				ROLLING OVERHEAD DOOR BY WAYNE DALTON - MATCH EXISTING

NOTE:  
1. PROVIDE ALUMINUM THRESHOLD / FLOOR TRANSITION TO MATCH EXISTING AT ALL DOORS.  
2. CONTRACTOR TO PROVIDE DOOR SUBMITTALS FOR REVIEW AND APPROVAL PRIOR TO ORDER.  
3. CONSTRUCTION CORES & KEYING TO BE COORDINATED BY COUNTY WITH CONTRACTOR.