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ARCHITECTS
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A map of the area around Hamilton Park and the Church of Christ. The map shows several streets: Brimley Ave, Leslie Ave, Burnhamthorpe Rd, and Burnhamthorpe Blvd. Key locations marked include 'The Book Watch' (a black pin), 'Lancaster Physicians Family Medicine...' (a red pin), 'Hamilton Park' (a green area), 'Lancaster Township Municipal Office' (a red pin), and 'Church of Christ United Church of Christ' (a blue pin). The map also shows residential streets like Burnhamthorpe Rd, Burnhamthorpe Blvd, and Burnhamthorpe Dr.

SEAL:

ARCHITECTURAL

MECHANICAL

ELECTRICAL

PLUMBING

CIVILSECURITY / AV / ACCESS CONTROL

1 POWER PLANS

RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT

LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

[illegible]

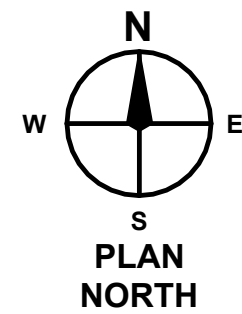
COVER SHEET

SHEET NUMBER:

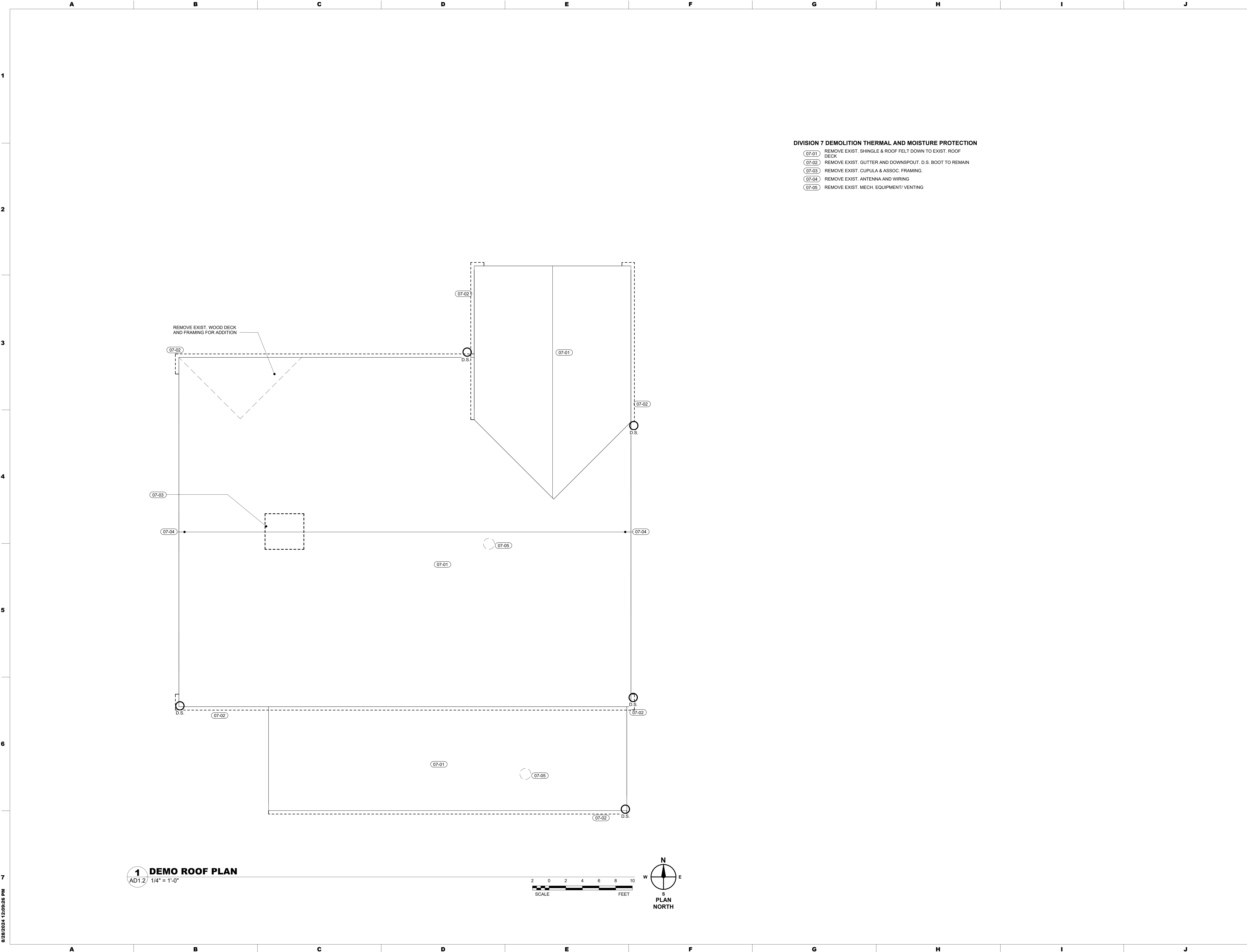
CS1

BID SET

UPPER LEVEL LIFE SAFETY PLAN



BID SET



DIVISION 7 DEMOLITION THERMAL AND MOISTURE PROTECTION

- 07-01 REMOVE EXIST. SHINGLE & ROOF FELT DOWN TO EXIST. ROOF DECK
- 07-02 REMOVE EXIST. GUTTER AND DOWNSPOUT. D.S. BOOT TO REMAIN
- 07-03 REMOVE EXIST. CUPULA & ASSOC. FRAMING.
- 07-04 REMOVE EXIST. ANTENNA AND WIRING
- 07-05 REMOVE EXIST. MECH. EQUIPMENT/ VENTING

SEAL:

CONSULTANT:

RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT

LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

ISSUE DATES

DATE:

08/28/24

DESCRIPTION:

BID SET

PROJ #:

24-LT-01

DRAWN BY:

CPD

SHEET TITLE:

ROOF DEMO PLAN

SHEET NUMBER:

AD1.2

BID SET

MAROTTA/M
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[illegible]

OVERALL SITE PLAN

SHEET NUMBER:

A1.1

BID SET

1. DIMENSIONS TAKEN TO FACE OF STUD OR FACE OF CMU, U.N.O.
2. ALL NEW PARTITIONS SHALL BE PER PARTITION TYPE P4, U.N.O.
3. REFER TO FINISH SCHEDULE FOR WALL FINISHES.
4. ALL INTERIOR PARTITIONS ARE TO EXTEND TIGHT TO THE FLOOR OR ROOF DECK ABOVE, U.N.O.
5. ALL DIMENSIONS MARKED "CLEAR" SHALL BE MAINTAINED.
6. NO PARTITIONS SHALL VARY MORE THAN 1/8" IN SURFACE PLANE IN 10 FEET IN ANY DIRECTION.
7. ALL INTERIOR WALLS IN OCCUPIED AREAS AND PUBLIC AREAS TO A MINIMUM OF 8'0" ABOVE FINISHED FLOOR MUST BE HIGH ABUSE-RESISTANT TYPE GYPSUM BOARD.
8. ALL EXPOSED CMU WALLS SHALL HAVE A BULLNOSED EDGE. RADIUSED CEILING EDGE TRACK SHALL BE PROVIDED ACCORDINGLY.
9. SEAL FULL PERIMETER OF GWB/STUD WALLS WITH ACOUSTIC SEALANT.
10. PROVIDE CONTROL JOINTS PER THE SPECIFICATION AT INTERIOR CMU WALLS FOR WALL LENGTHS GREATER THAN 7'. PROVIDE CONTROL JOINTS BETWEEN WALLS ON FLOOR SLABS AND WALLS ON FOOTINGS. REFER TO TYPICAL CONTROL JOINT DETAILS FOR ADDITIONAL CONTROL JOINT INFORMATION.

INTERIOR PARTITIONS

STUD PARTITIONS

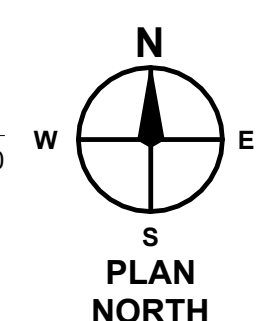
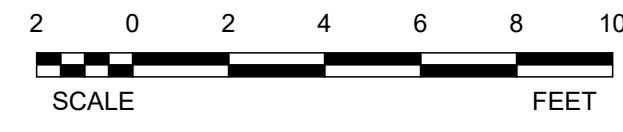
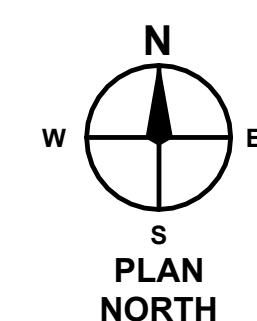
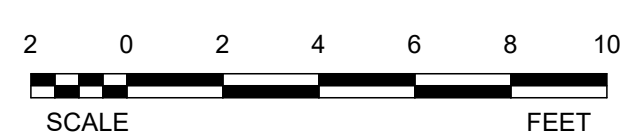
- | | |
|---|---|
|  | 1 1/2" HAT CHANNEL WALL GWB
5/8" ONE SIDE |
|  | 3 5/8" MTL STUDS W/ 5/8" GWB
E.S., FILL W/ ACOUS. BATT INSUL. |
|  | 3 5/8" MTL STUDS W/ (1) LAYER 5/8" GWB,
FILL W/ ACOUS. BATT INSUL., (2) LAYERS 5/8"
GWB. STC-50 |
- ### **WALL INFILLS**
- | | |
|---|---|
|  | M-X C.M.U. INFILL TO MATCH EXISTING WALL
THICKNESS
MATCH EXISTING FIRE-RATING, WHERE
APPLICABLE. |
|---|---|
- ### **CMU WALLS**
- | | |
|---|---|
|  | M-6 4" C.M.U. |
|  | M-6 6" C.M.U. |
|  | M-8 8" C.M.U. |
|  | M-12 12" C.M.U., FILL CORES WITH VERMICULITE INSULATION |

WALL INFILLS

-   C.M.U. INFILL TO MATCH EXISTING WALL THICKNESS. MATCH EXISTING FIRE-RATING, WHERE APPLICABLE.

CMU WALLS

- | | | |
|---|-----|--|
|  | M4 | 4" C.M.U. |
|  | M6 | 6" C.M.U. |
|  | M8 | 8" C.M.U. |
|  | M12 | 12" C.M.U., FILL CORES WITH VERMICULITE INSULATION |



EXISTING UPPER LEVEL GYPSUM BOARD CEILING AND BATT INSULATION ABOVE TO BE REMOVED ONLY AS NEEDED FOR MEP WORK. PATCH OPENINGS AND REINSTALL BATT INSTALLATION.

RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT

LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

ISSUE DATES	
DATE:	DESCRIPTION:
08/28/2024	BID SET

PROJ #: 24-LT-01 DRAWN BY: CPD

SHEET TITLE:

LOWER AND UPPER

LOWER AND UPPER LEVEL FLOOR PLANS

LEVEL FOUR YEARS

SHEET NUMBER:

A1.2

BID SET

SEAL:

SEAL:

CONSULTANT:

ISSUE DATES

P

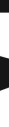
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1

1

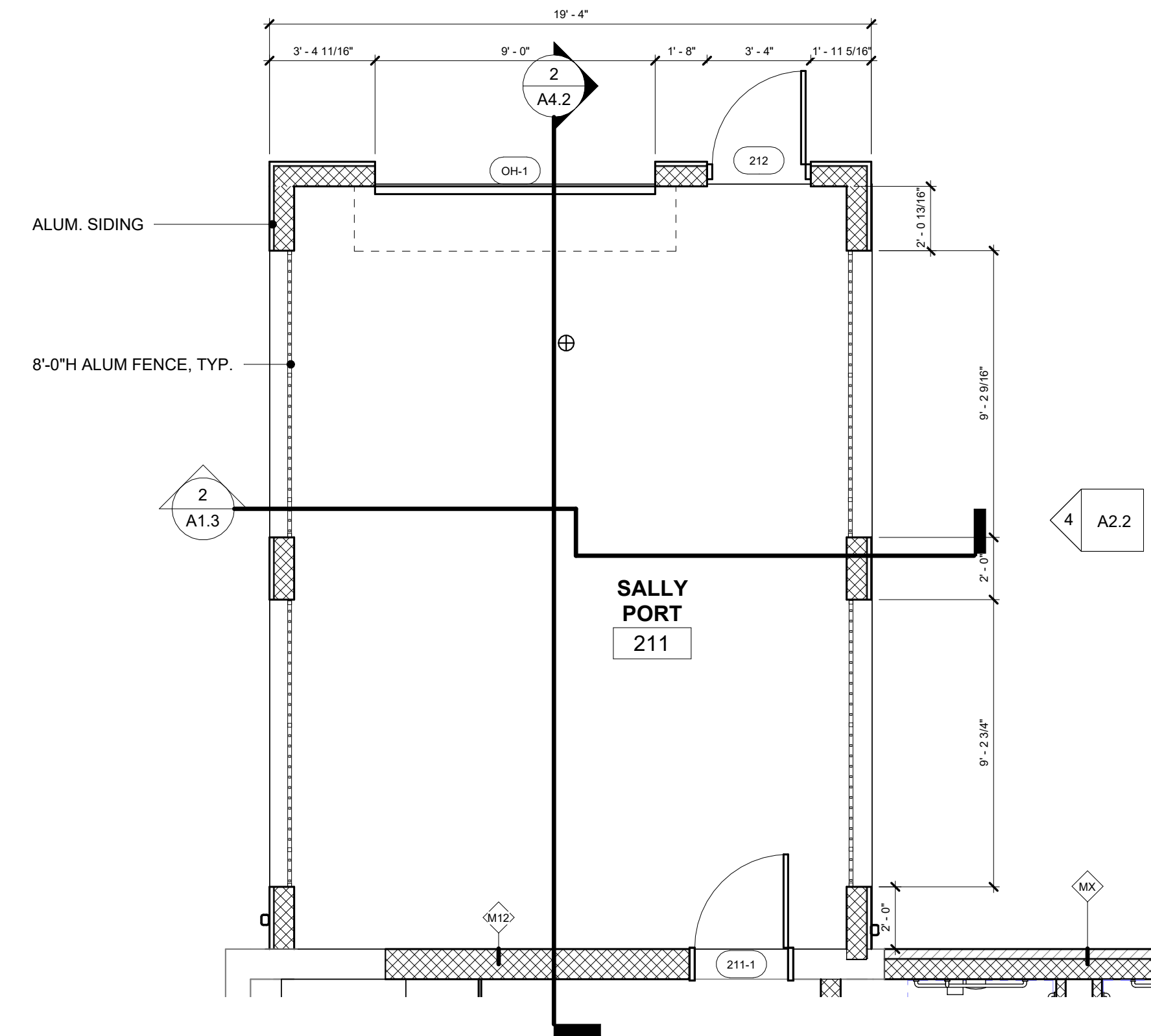
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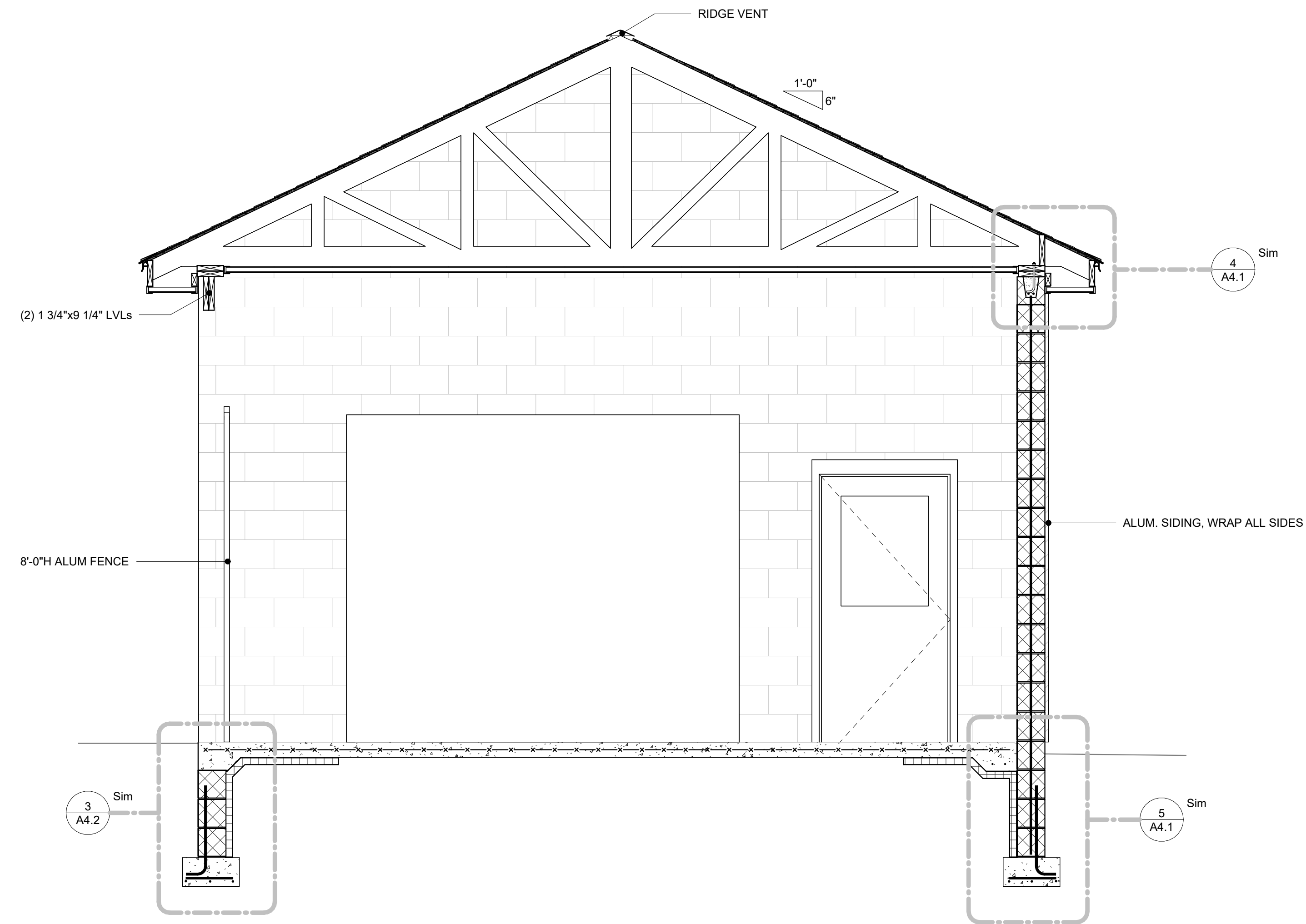


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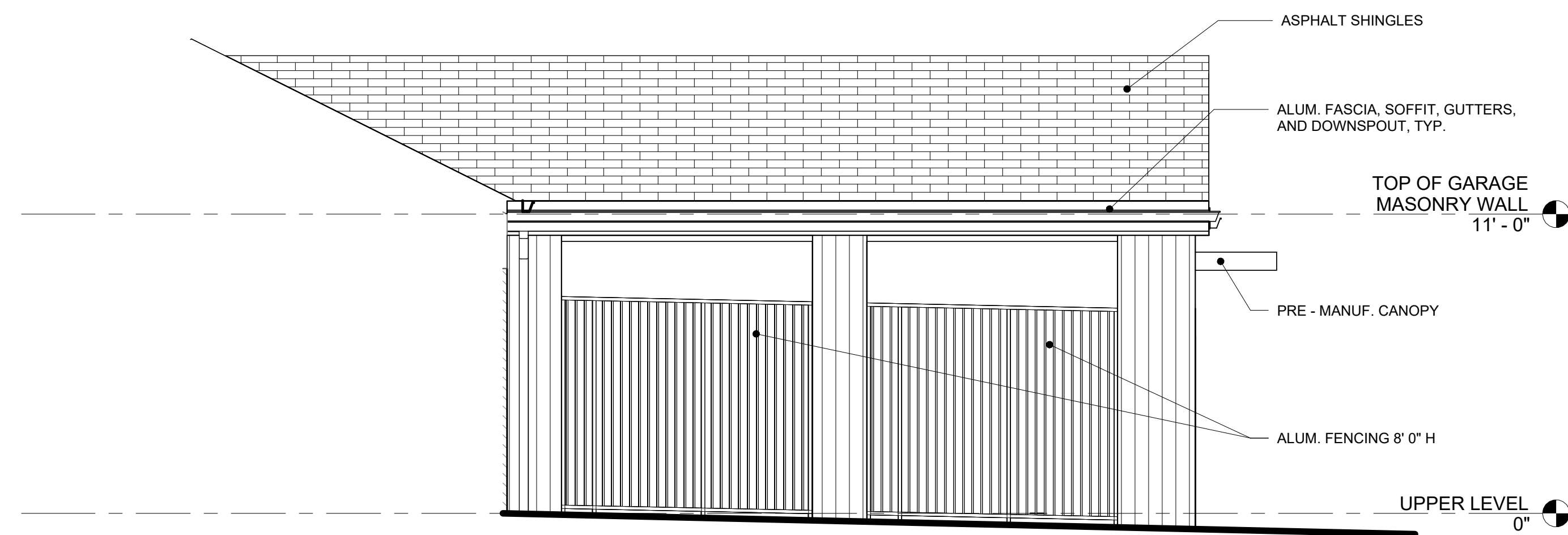
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1 PARTIAL UPPER LEVEL FLOOR PLAN ALTERNATE
A1.3 1/4" = 1'-0"



2 BUILDING SECTION
A1.3 1/2" = 1'-0"



3 ELEVATION
A1.3 $1/4" = 1'-0"$

ISSUE DATES	DESCRIPTION:
DATE: 08/29/24	BID SET
PROJECT #: 24-LY-01	DRAWN BY: CPD
SHEET TITLE:	
ALTERNATE PARTIAL FLOOR PLAN/ SECTION/ DETAILS	
SHEET NUMBER:	

QUALITY ASSURANCE

- ### PROJECT CONDITIONS

- MATERIALS:

- REPARATION:

- REPORTING JOINTS:

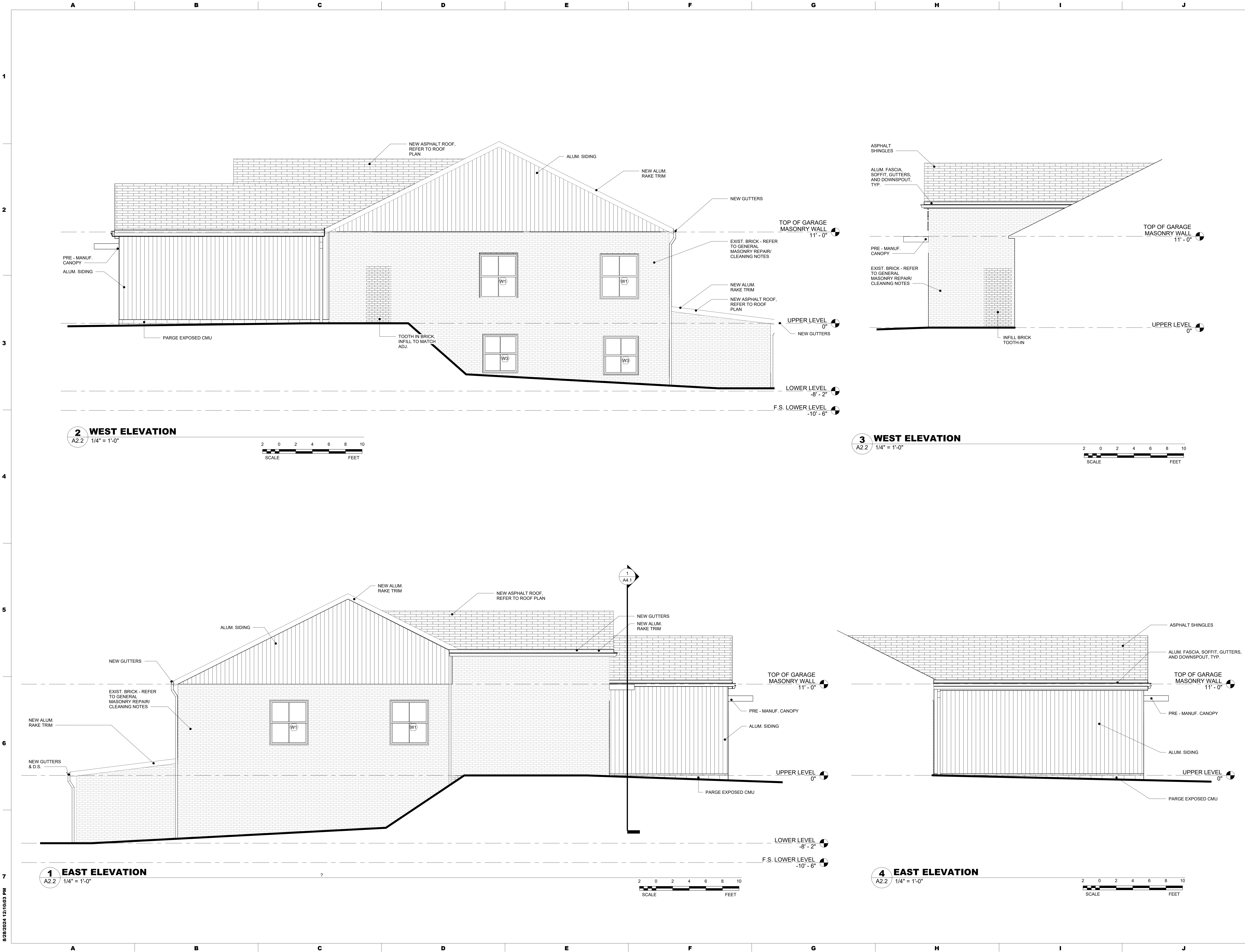
- ### REPLACING MASONRY UNITS:

- CLEANING:

- 1 NORTH ELEVATION**
A2.1 1/4" = 1'-0"

A2.1 $1/4" = 1'-0"$





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SEAL:

CONSULTANT:

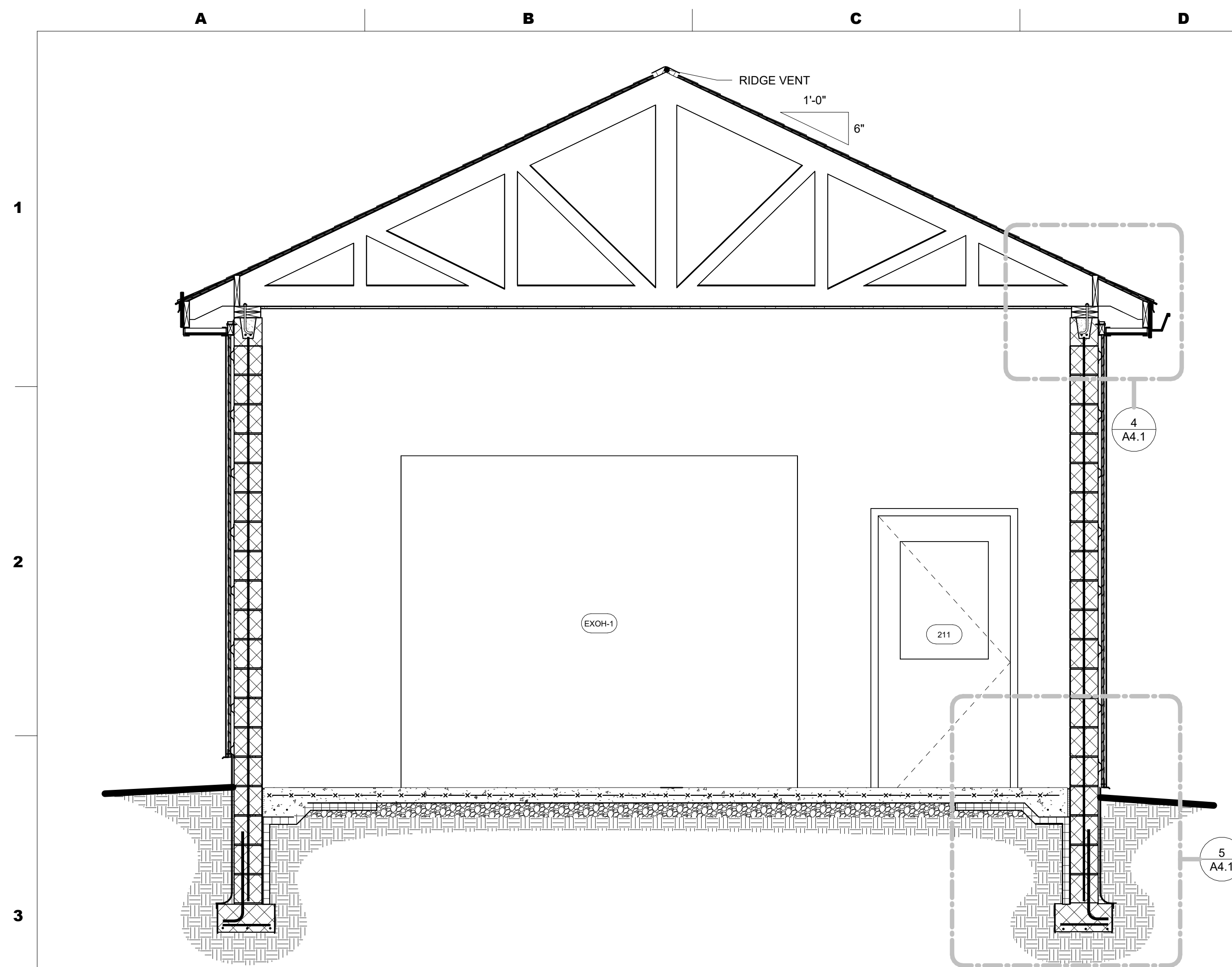
RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT

LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

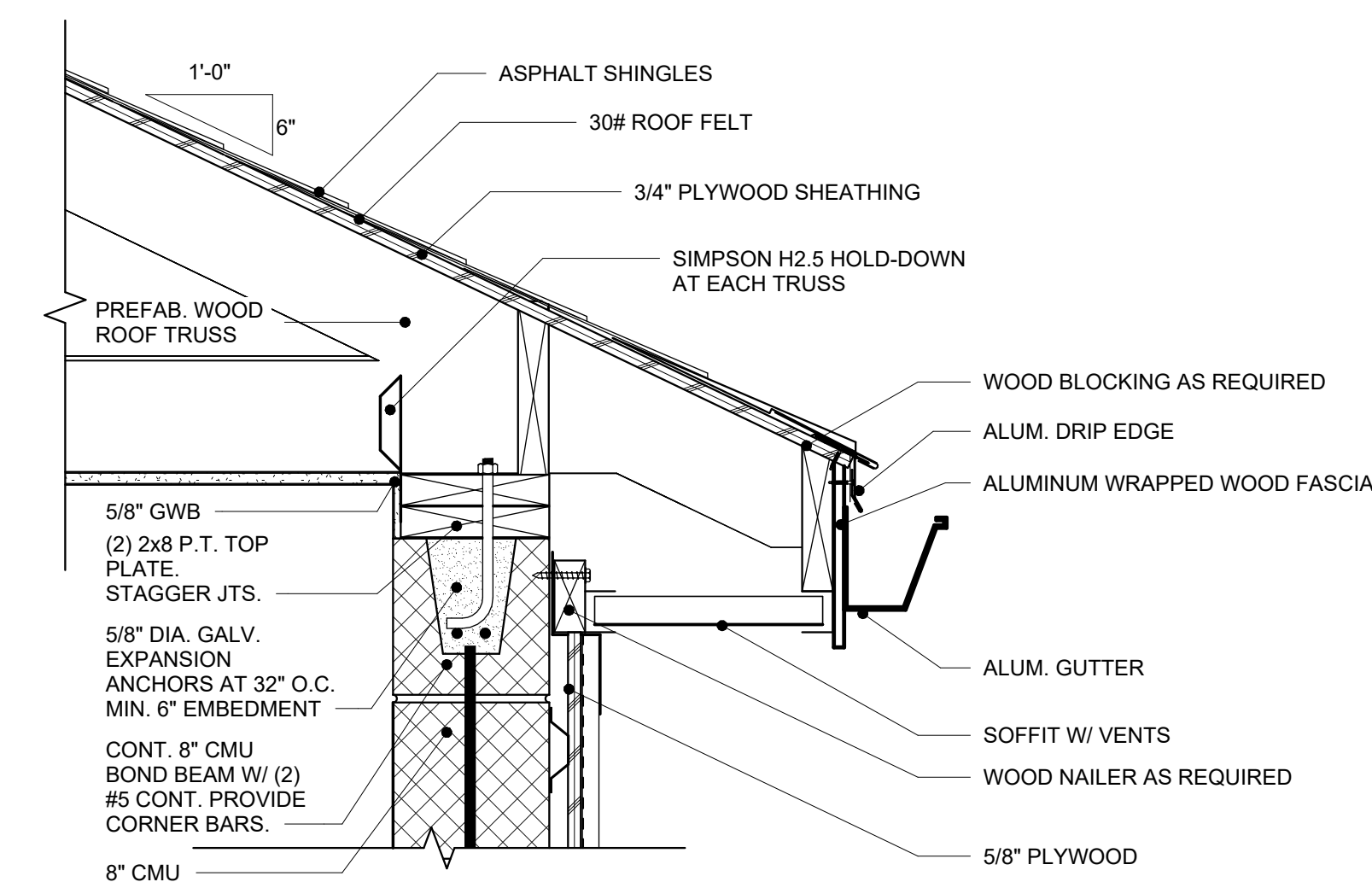
ISSUE DATES
DATE: 09/26/24
DESCRIPTION:
BID SET

PROJ # : 24-LT-01
DRAWN BY : CPD
SHEET TITLE:
EXTERIOR
ELEVATIONS

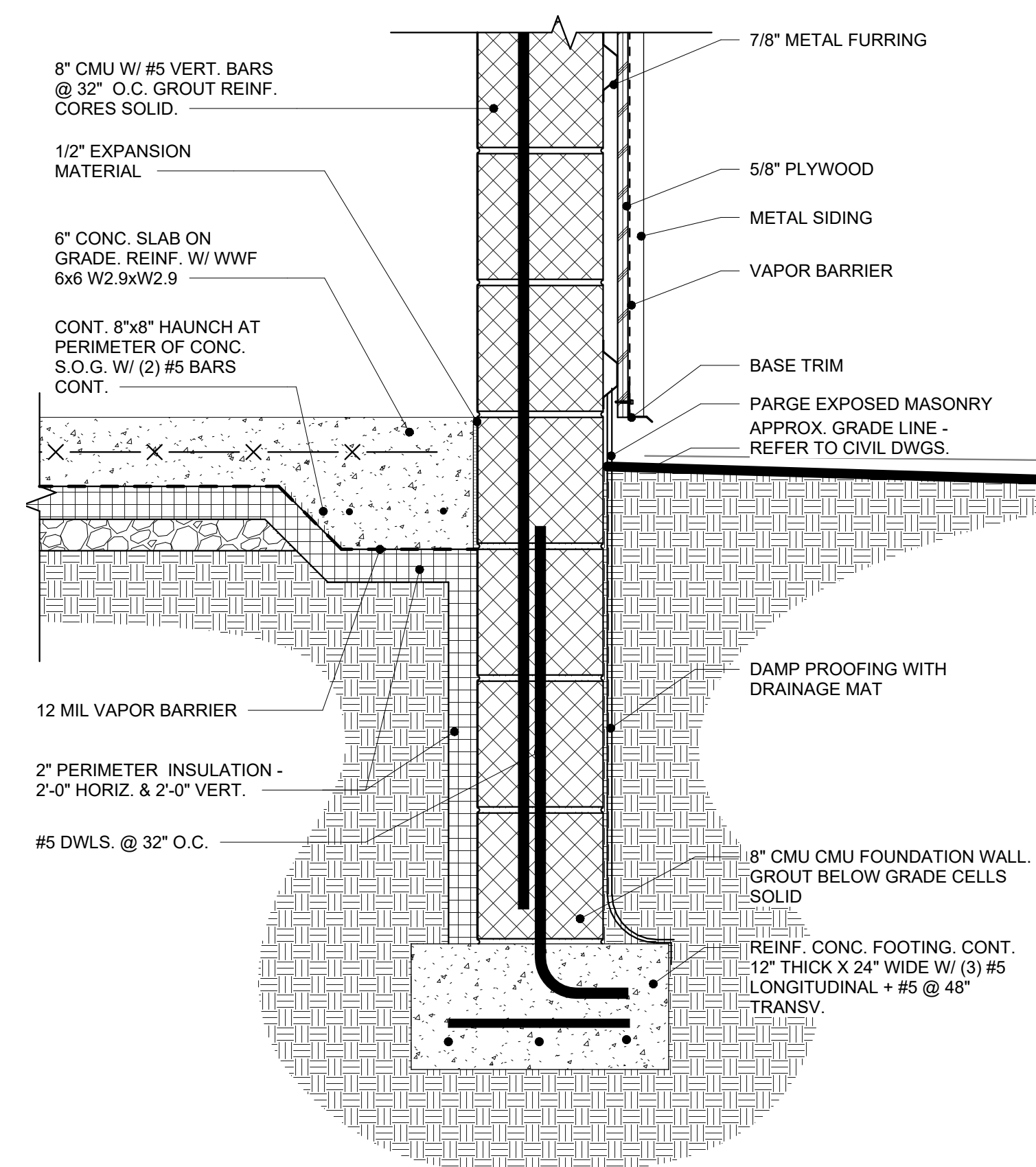
SHEET NUMBER:
A2.2
BID SET



1 WALL SECTION - GARAGE

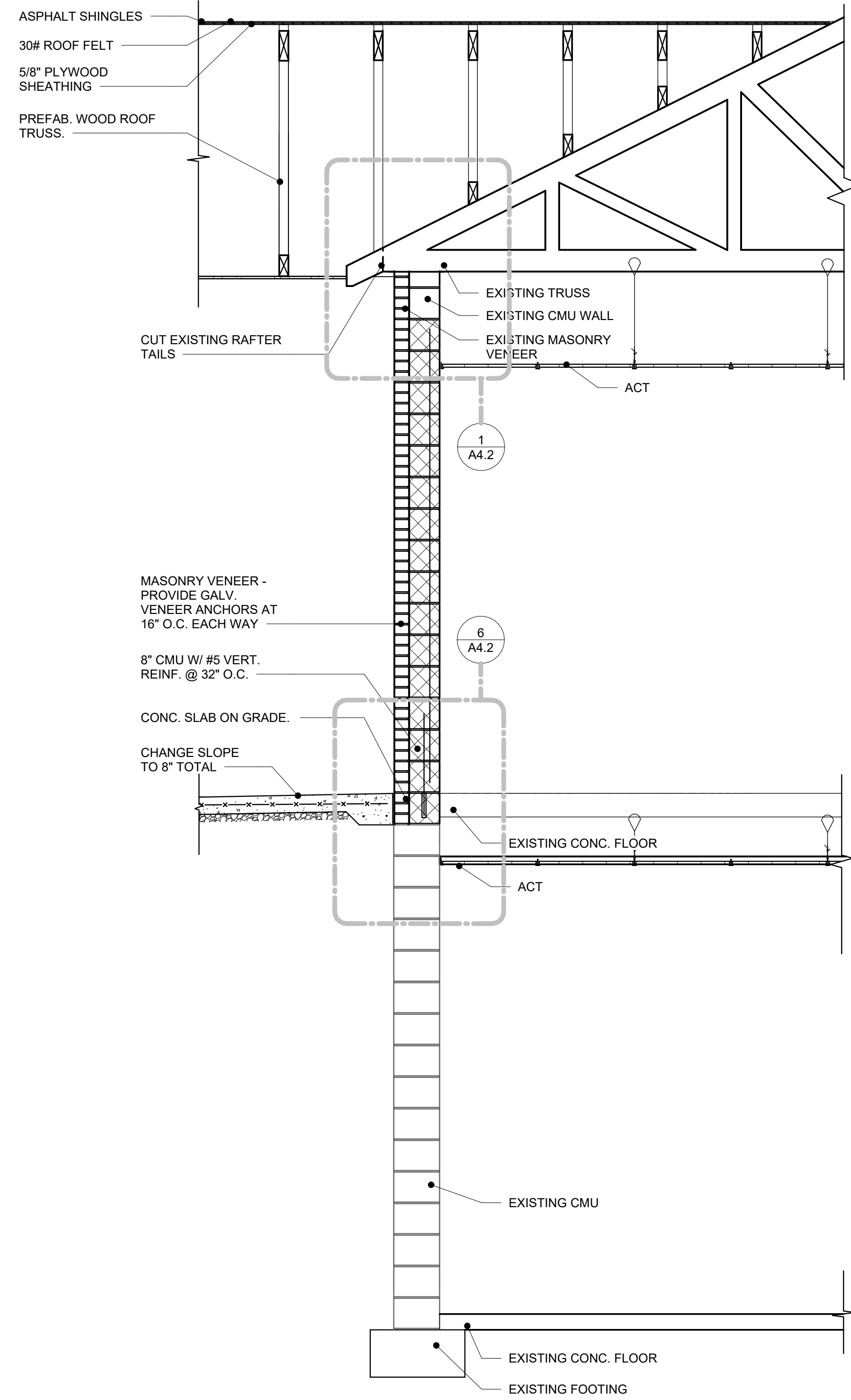


4 TYPICAL EAVE DETAIL

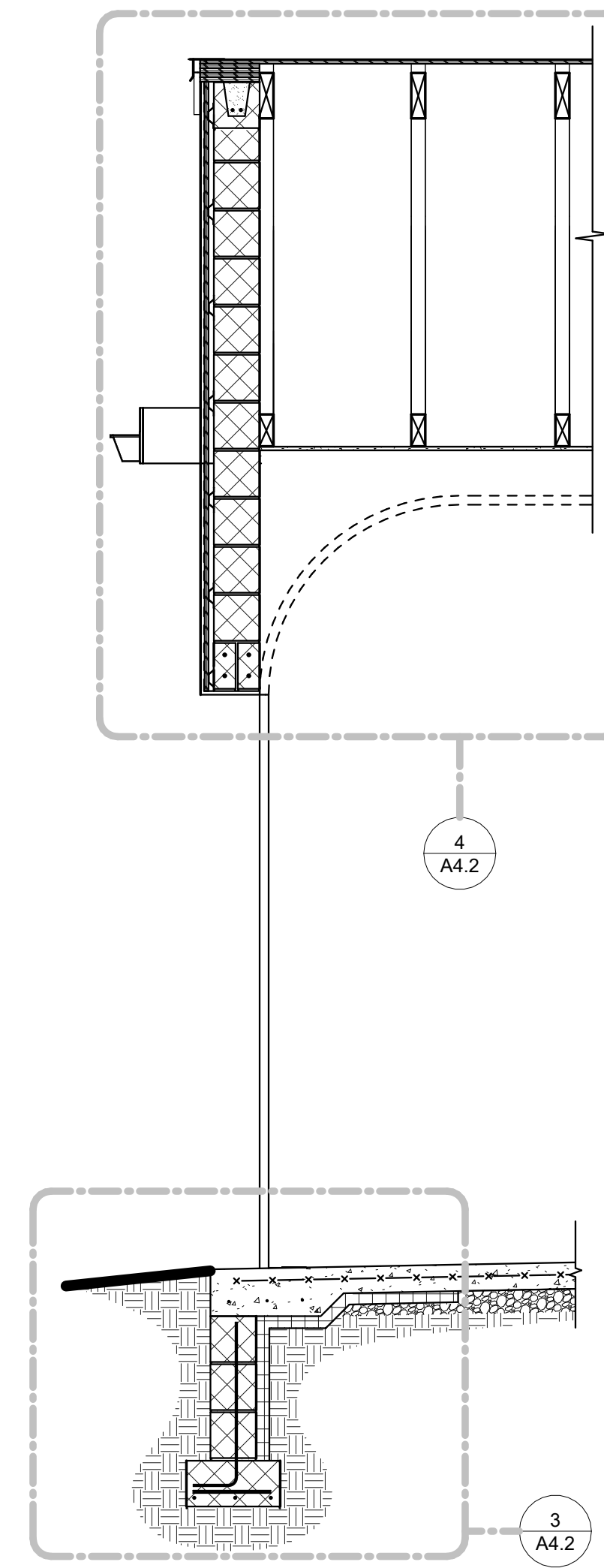


5 TYPICAL FOOTING DETAIL

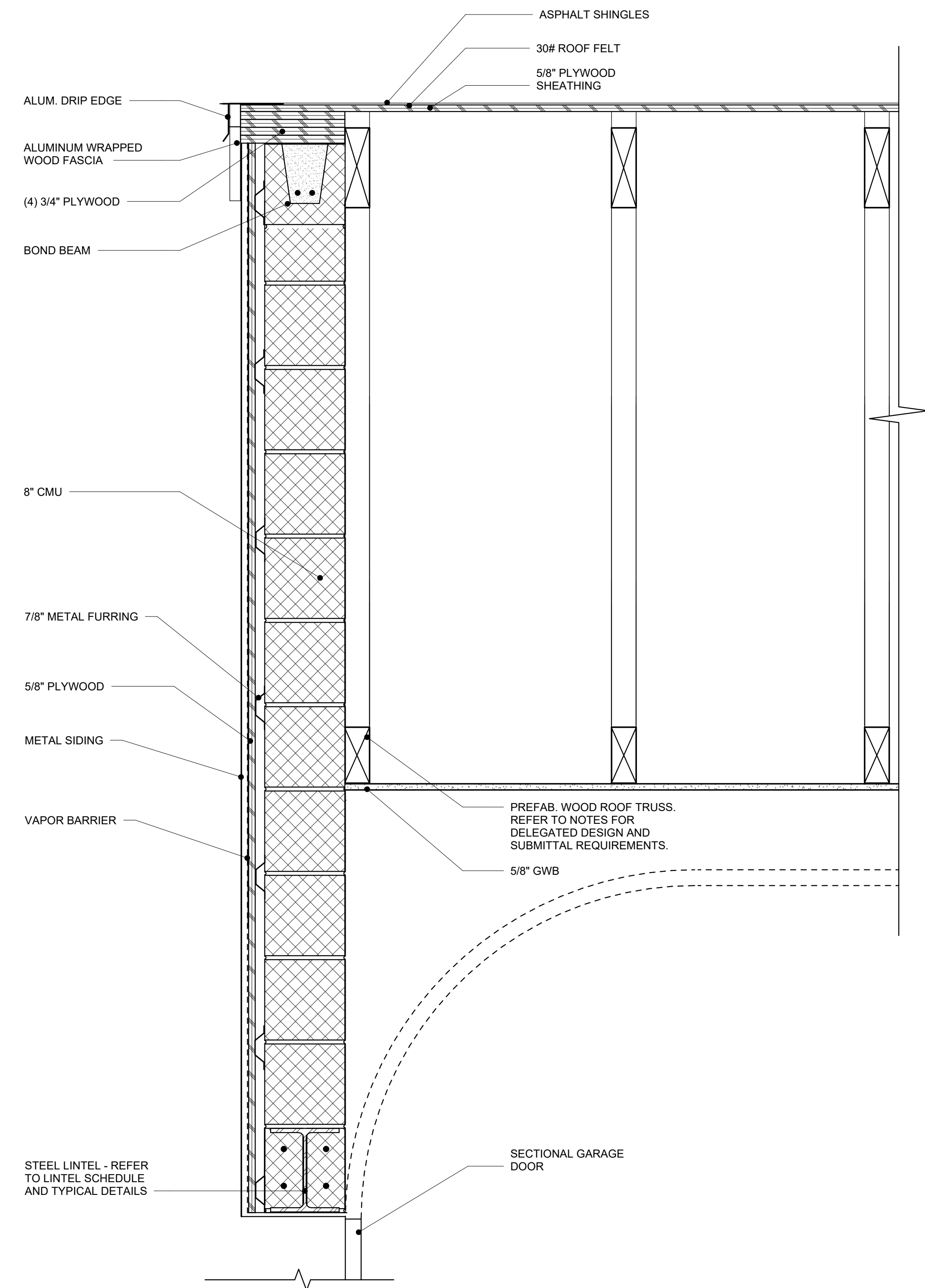
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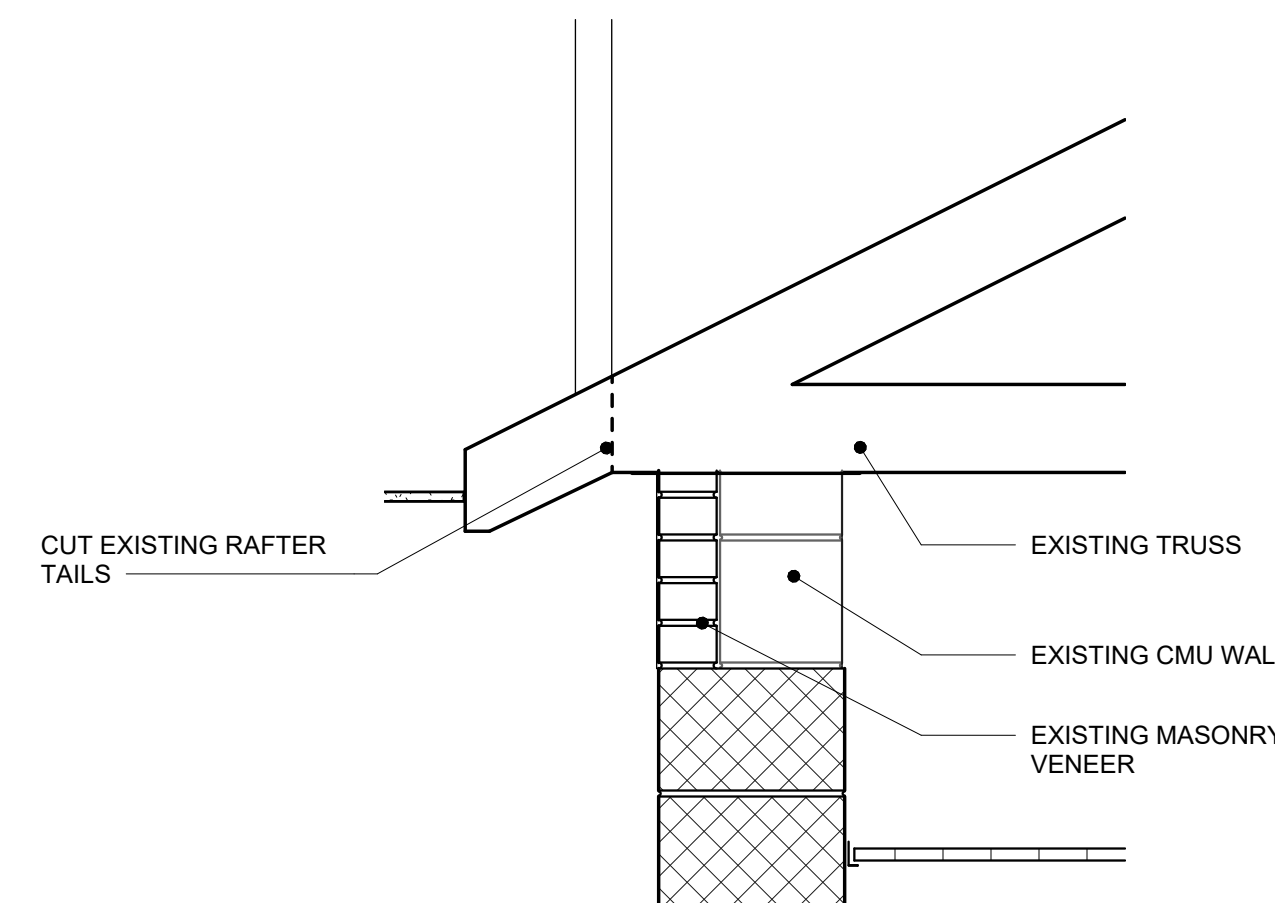
2 WALL SECTION
A4.2 1/2" = 1'-0"



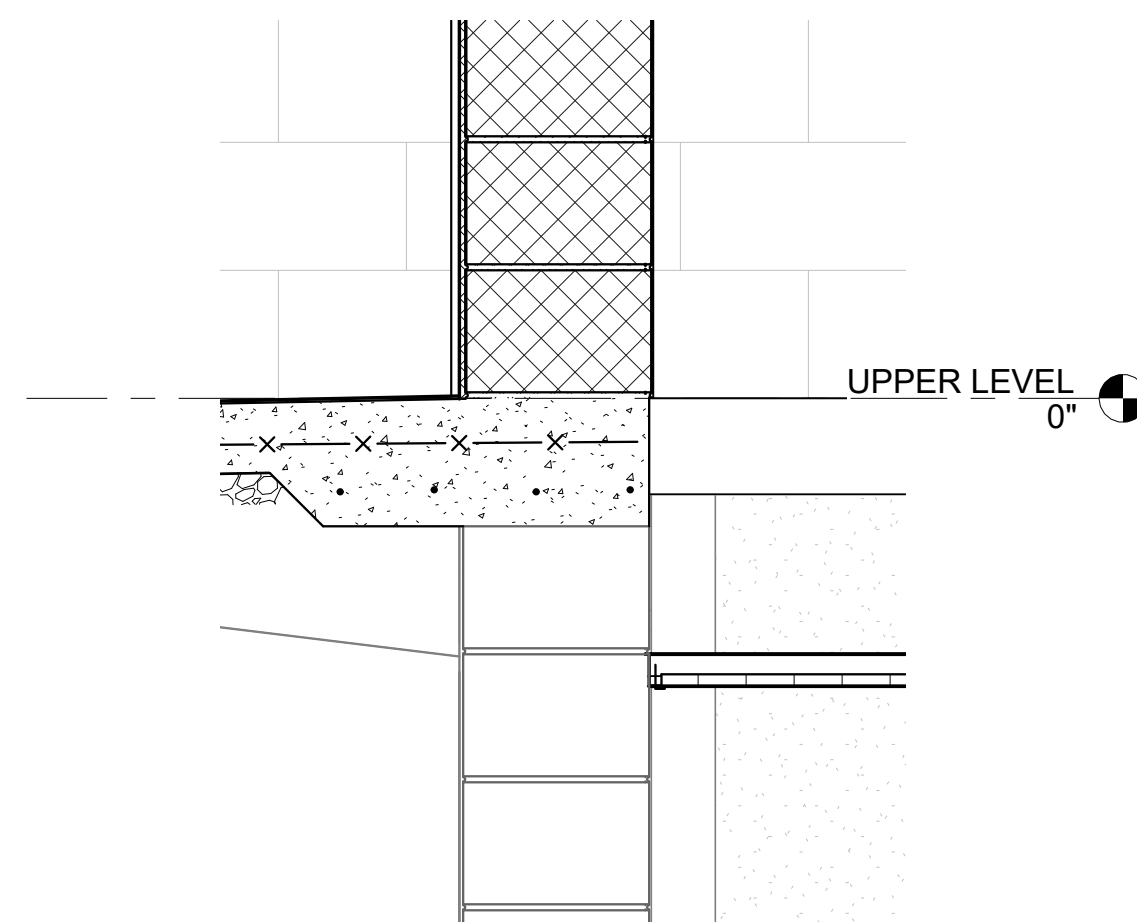
5 WALL SECTION
A4.2 1/2" = 1'-0"



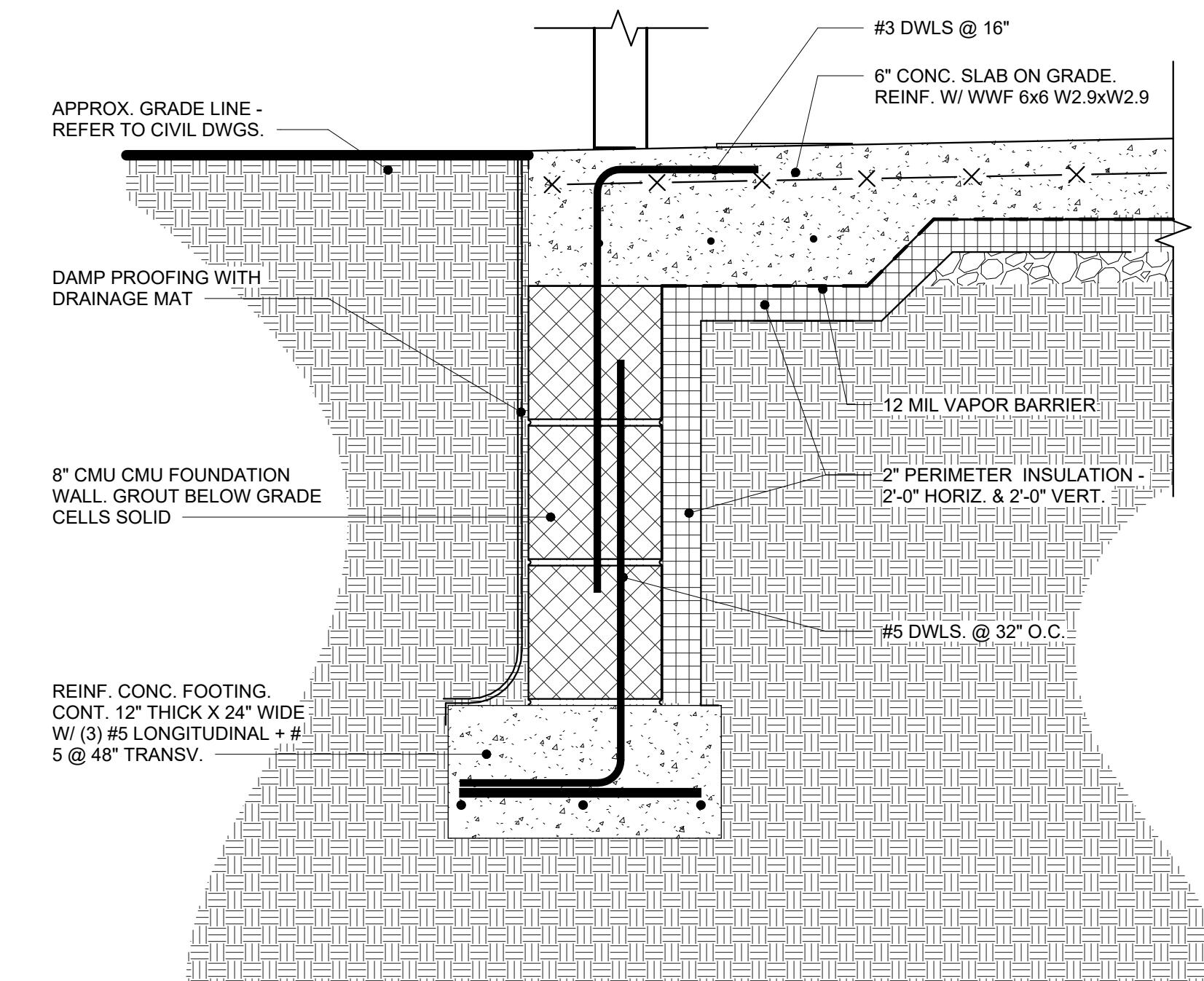
4 SECTION DETAIL
A4.2 1 1/2" = 1'-0"



1 SECTION DETAIL
A4.2 1" = 1'-0"

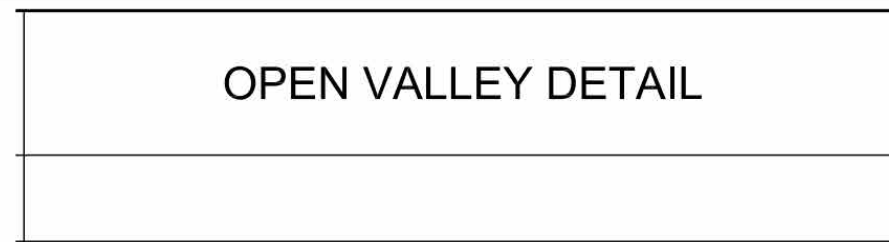
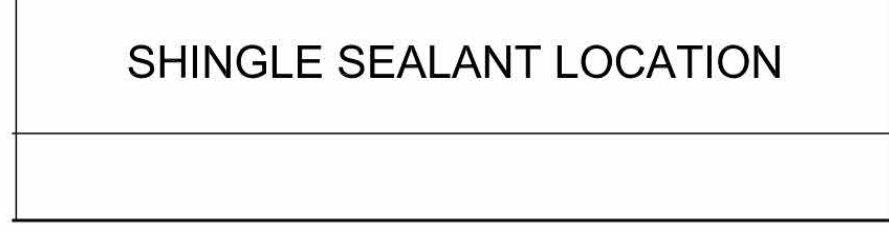
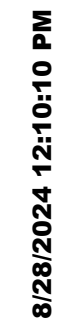


6 SECTION DETAIL
A4.2 1" = 1'-0"



3 SECTION DETAIL
A4.2 1 1/2" = 1'-0"

ISSUE DATES	DATE:	DESCRIPTION:
	08/28/24	BID SET
PROJ # : 24-LT-01		DRAWN BY : CPD
SHEET TITLE:		

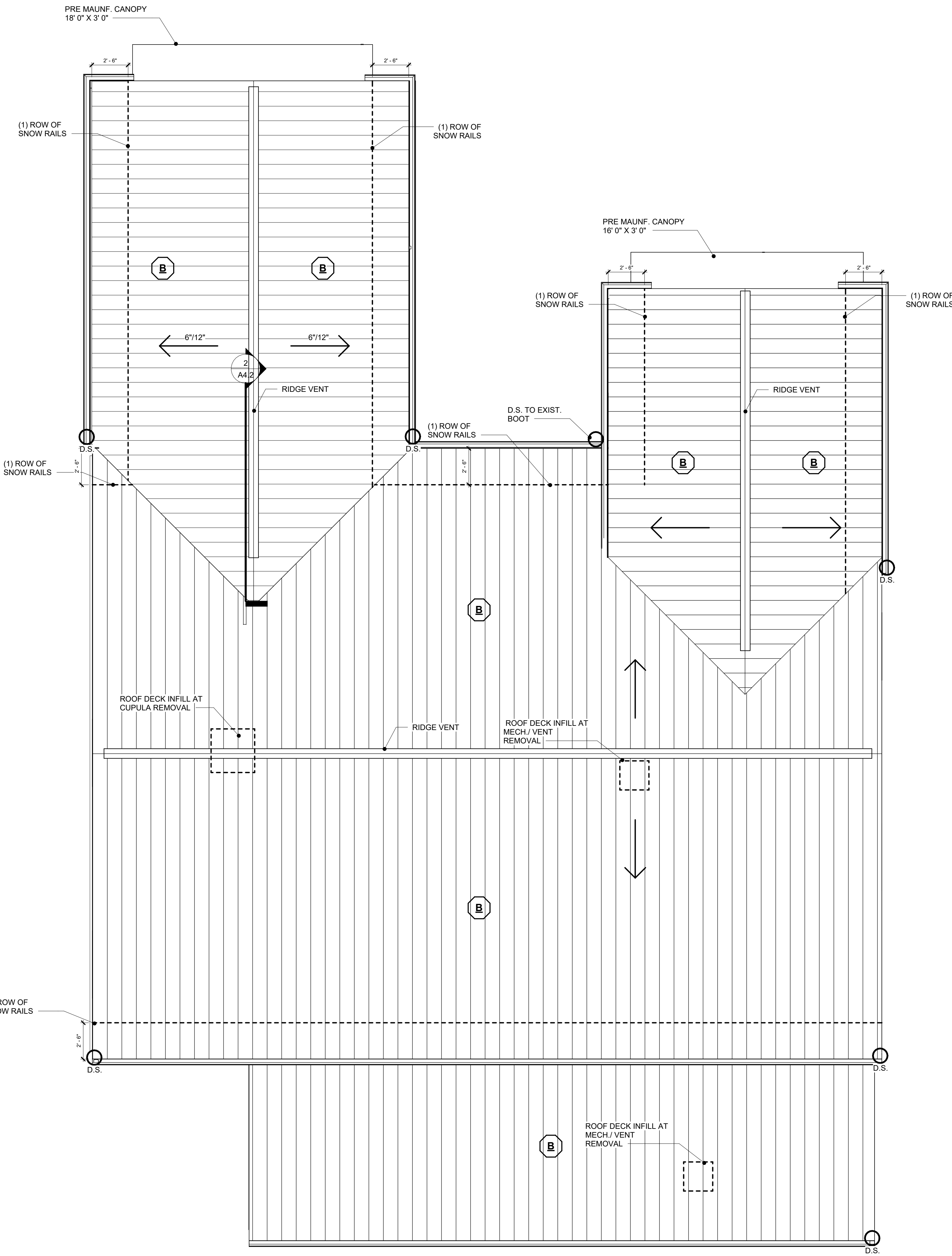


- ## BID SET

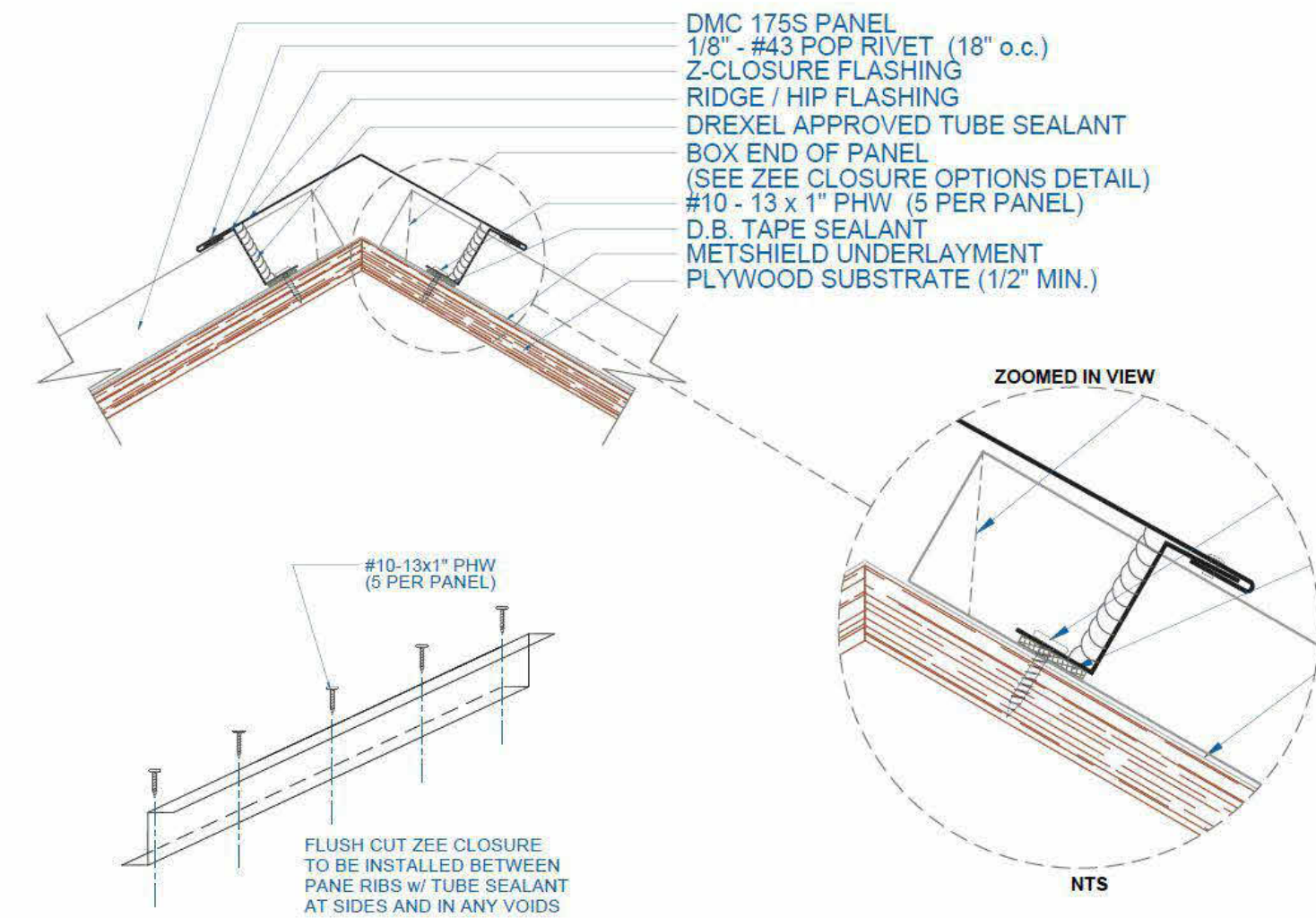
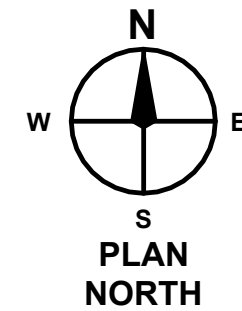
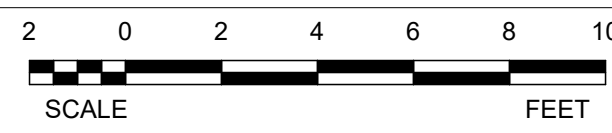
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1
2
3
4
5
6
7

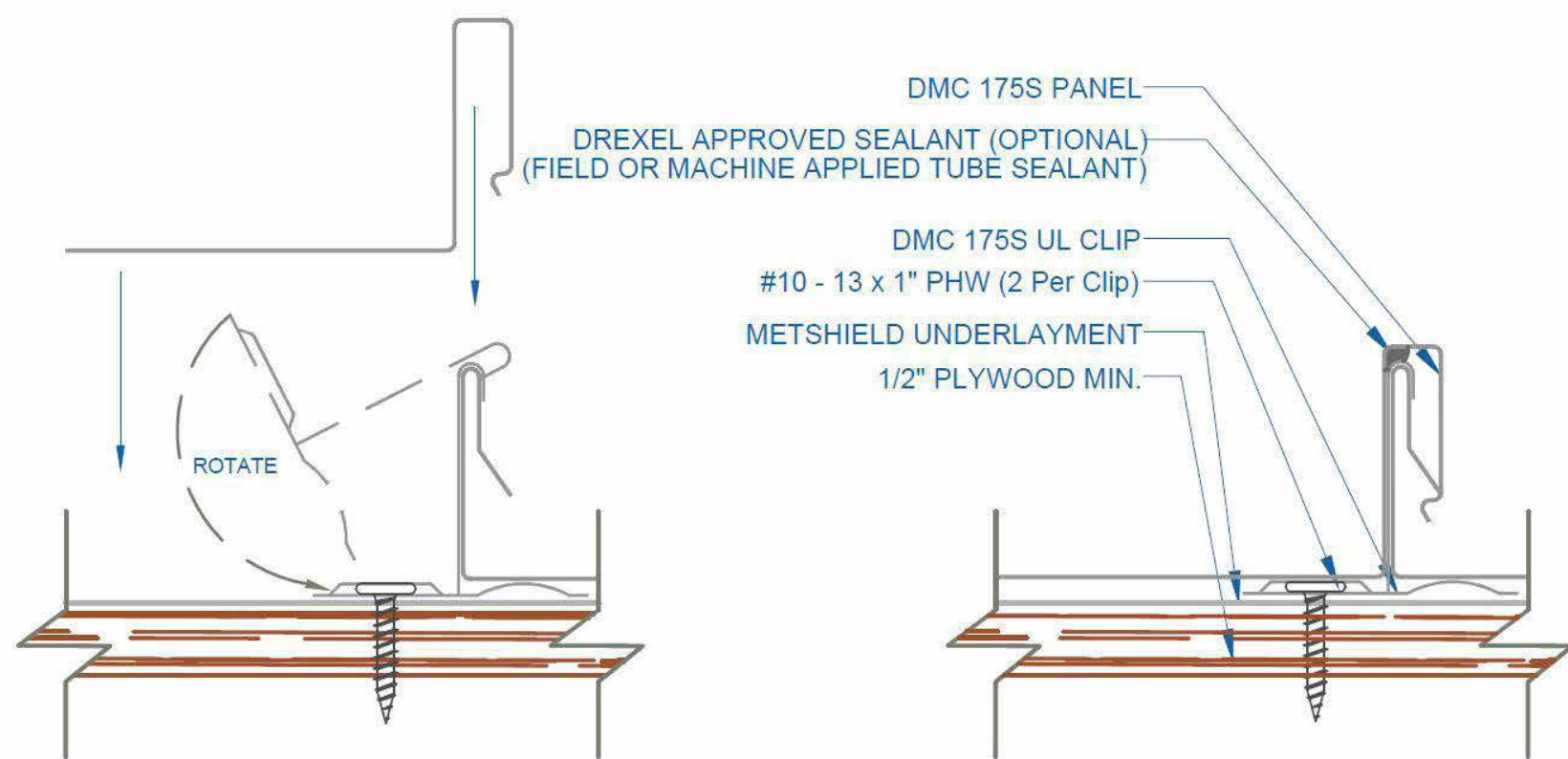
A B C D E F G H I J



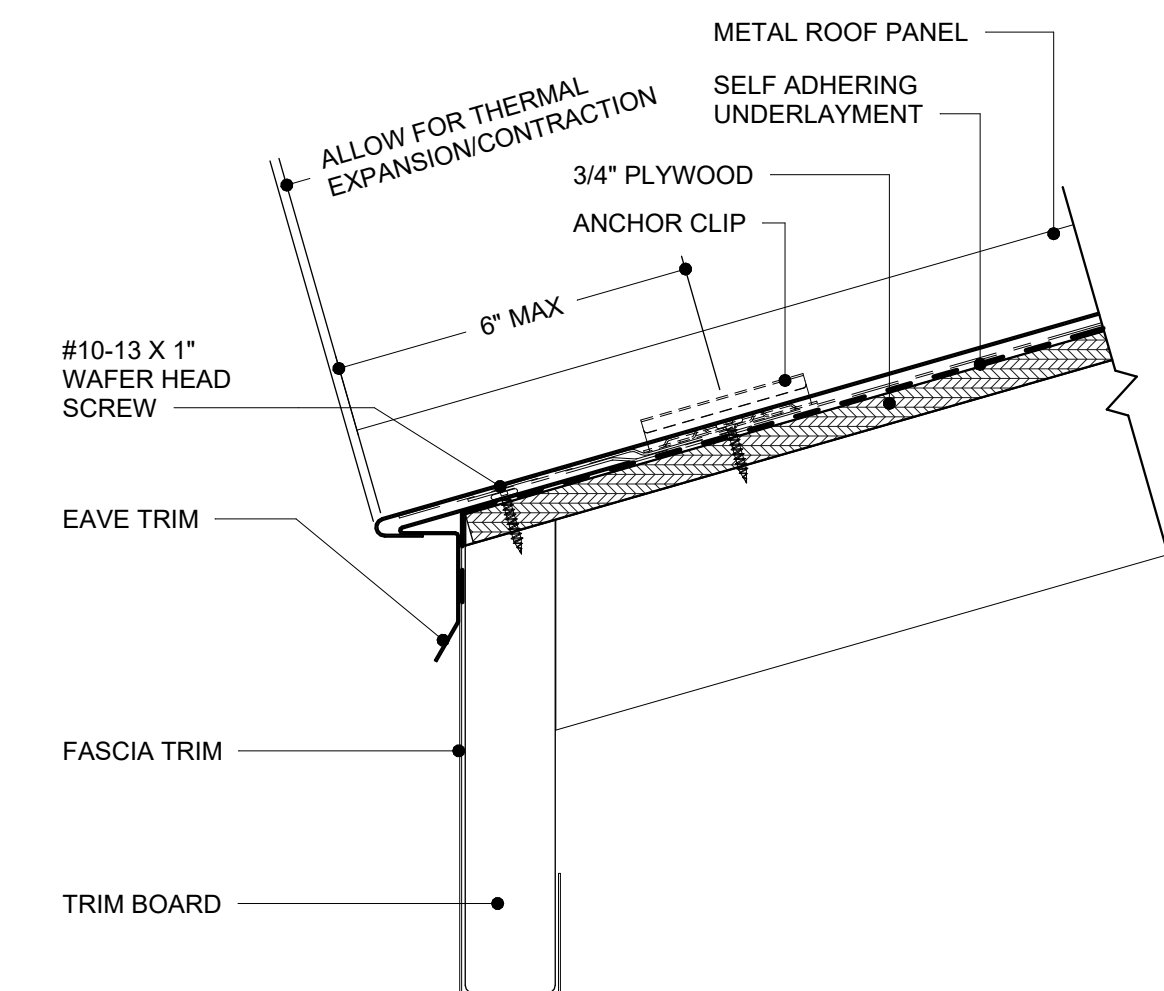
1 ROOF PLAN
A5.2 1/4" = 1'-0"



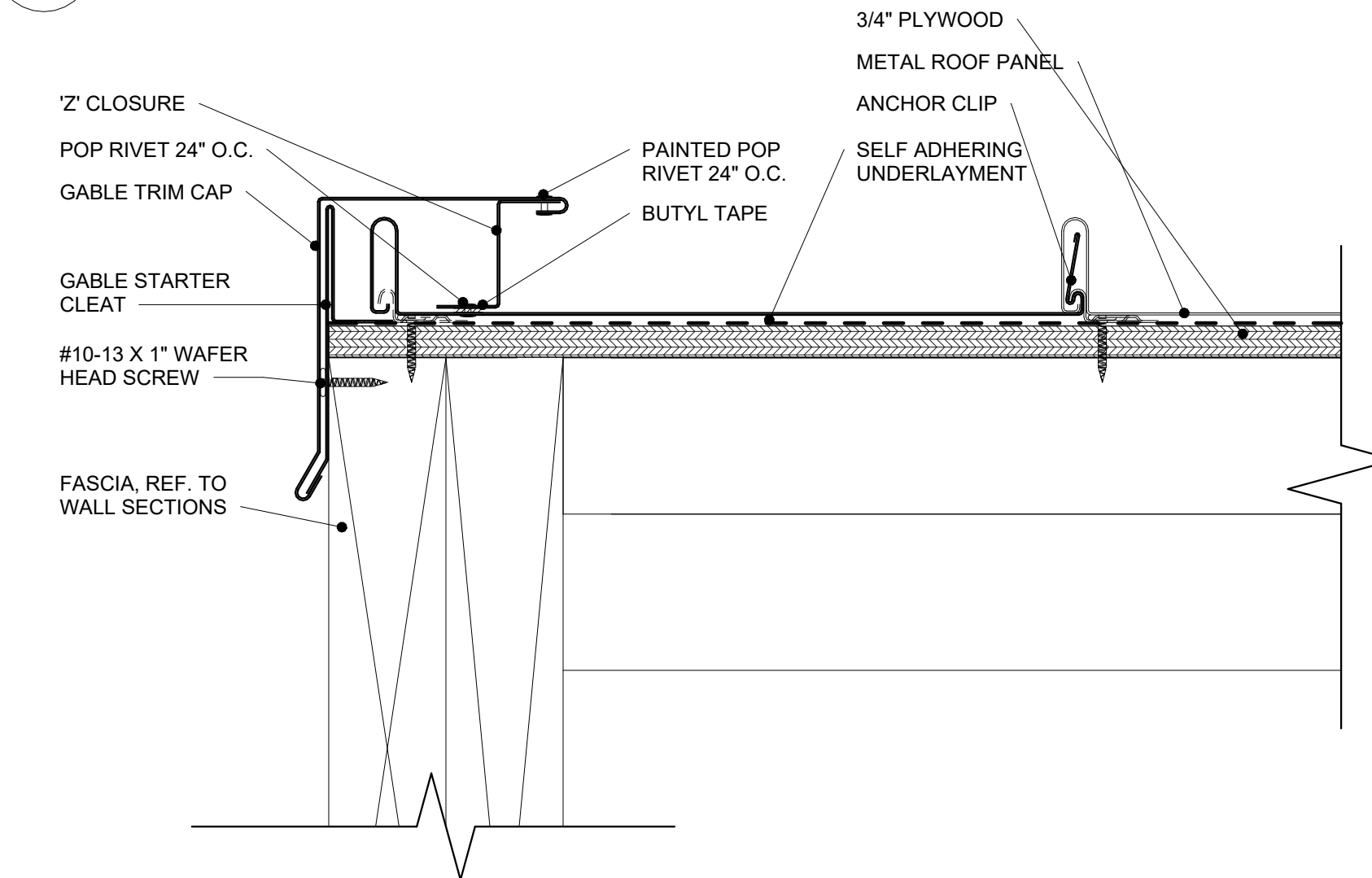
RIDGE HIP



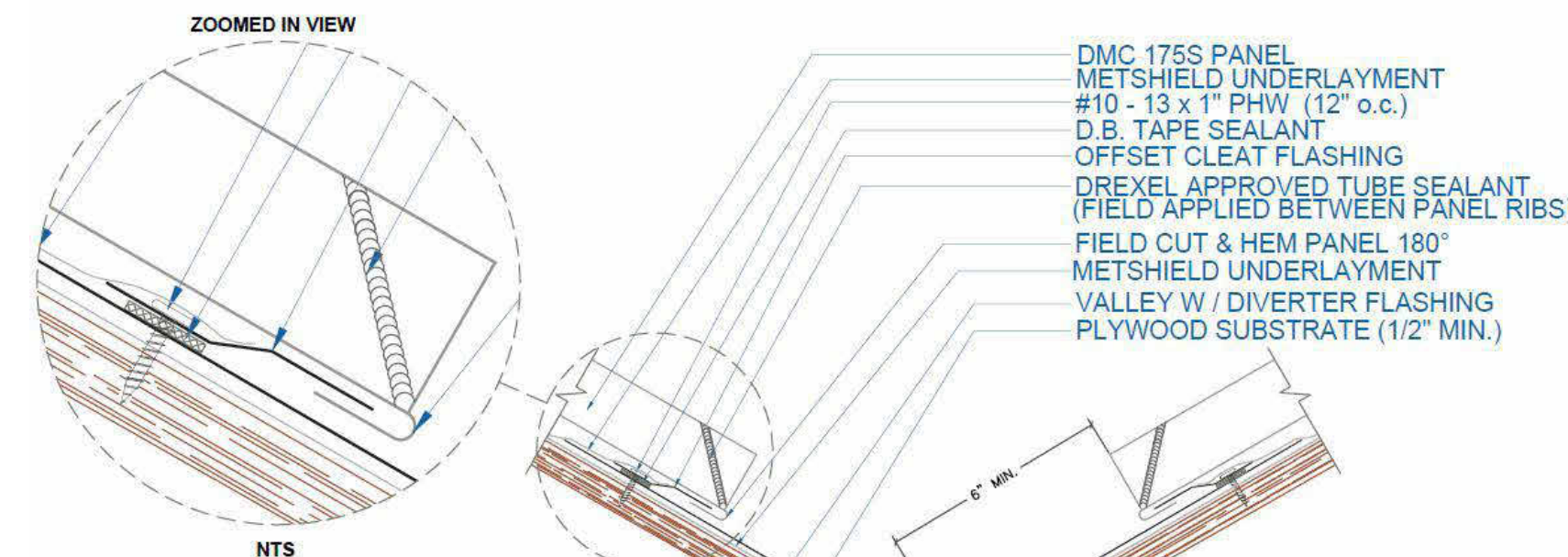
STANDING SEAM INSTALLATION



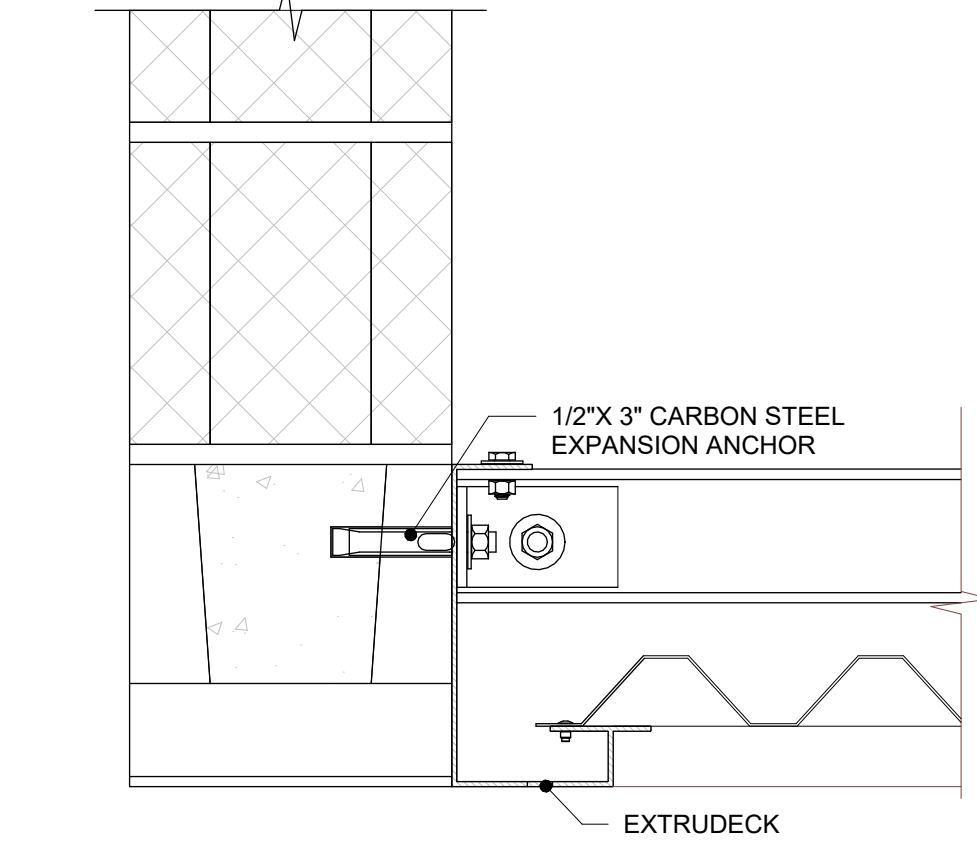
5 TYPICAL METAL ROOF - EAVE
A5.2 1/2" = 1'-0"



6 TYPICAL METAL ROOF - START GABLE END
A5.2 6" = 1'-0"



VALLY WITH DIVERTER



4 CANOPY DETAIL
A5.2 1/2" = 1'-0"

- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

GENERAL ROOF NOTES:

1. PROVIDE PRE-FINISHED ALUMINUM GUTTERS, LEAF GUARDS AND DOWNSPOUTS.
2. PROVIDE CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUTS.
3. ALL ROOF DETAILS ARE TO BE PER MANUFACTURER'S STANDARDS AND RECOMMENDATIONS.
4. PROVIDE RIDGE VENTS AS NOTED ON PLAN PER MANUFACTURER'S STANDARDS AND RECOMMENDATIONS.
5. PROVIDED SELF-ADHERING SELF-SEALING BITUMINOUS ICE BARRIER MIN. 2'-0" INSIDE FACE OF EXTERIOR WALLS.
6. PROVIDE SELF-ADHERING SELF-SEALING BITUMINOUS ICE BARRIER, FULL WIDTH CENTERED IN VALLEYS, FULL LENGTH OF VALLEYS.
7. PROVIDE RIDGE VENT AS SHOWN ON ROOF PLAN.

ROOF TYPE LEGEND

ROOF TYPE 'B' STANDING SEAM METAL OVER SELF-ADHERING, SELF-SEALING BITUMINOUS ICE BARRIER EXTENDING 2' MIN. INSIDE THE FACE OF THE EXTERIOR WALL AND ASPHALT-SATURATED ORGANIC FELT UNDERLAYMENT, ON MIN. 5/8" PLYWOOD SHEATHING FASTENED TO ENGINEERED PRE-FABRICATED ROOF TRUSSES OR DIMENSIONAL LUMBER

RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT

LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

ISSUE DATES	DESCRIPTION	DRAWN BY
DATE:	BID SET	CPD
08/28/24		

PROJ # : 24-LT-01
SHEET TITLE:
ALTERNATE ROOF
PLAN & DETAILS

SHEET NUMBER:
A5.2
BID SET

SEAL:

CONSULTANT:

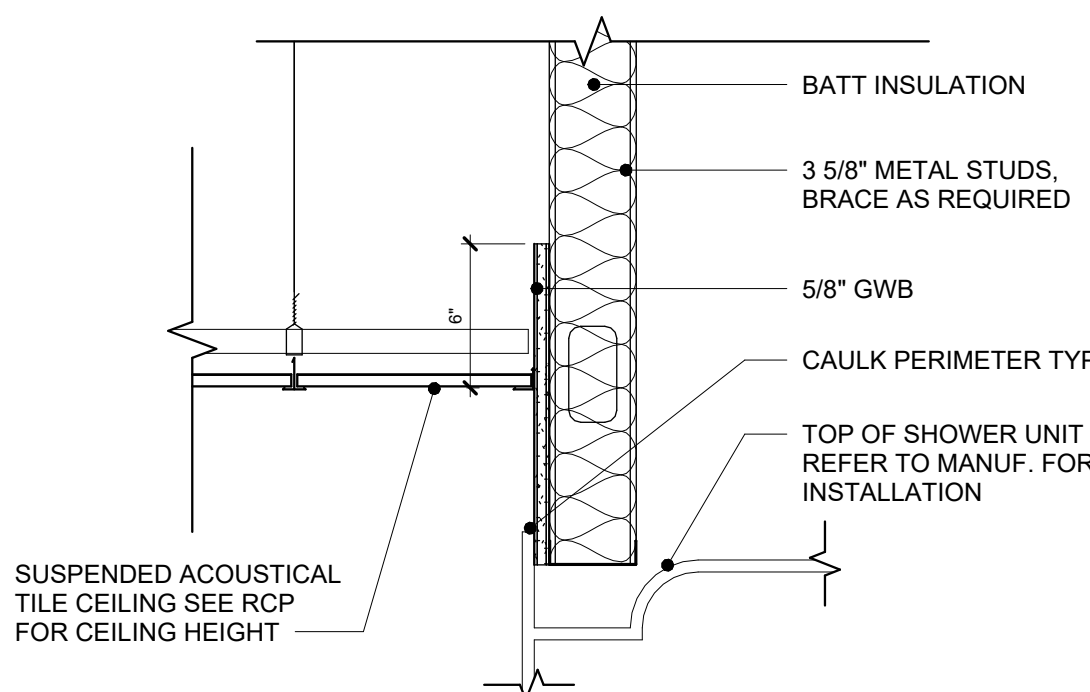
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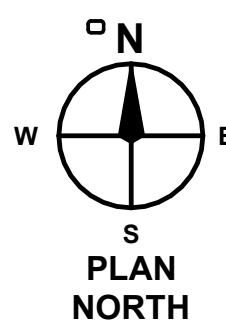
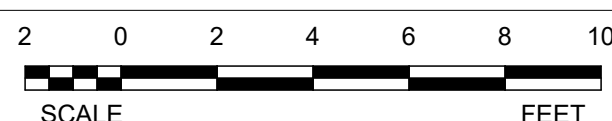
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REFLECTED CEILING PLAN LEGEND

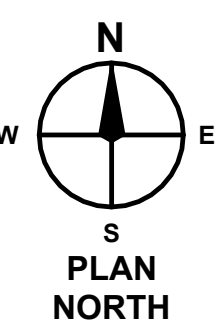
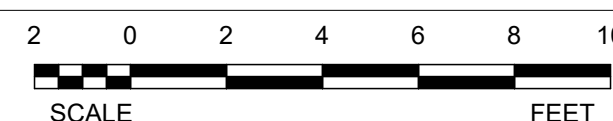
- ACT-1 - 2' x 4'
- 5/8" GWB



A6.1 $1\frac{1}{2}'' = 1'-0''$



A6.1 $1/4" = 1'-0"$



LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

A6.1

BID SET

SEAL:

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1 LOWER LEVEL FLOOR PLAN
A8.1 1/4" = 1'-0"

2 UPPER LEVEL FLOOR PLAN
A8.1 1/4" = 1'-0"

SEAL:

CONSULTANT:

RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT

LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

ISSUE DATES

DATE: 09/25/24

DESCRIPTION:

BID SET

PROJ #1: 24-LT-01

DRAWN BY: CPD

SHEET TITLE:

INTERIOR FLOOR
PLANS

SHEET NUMBER:

A8.1

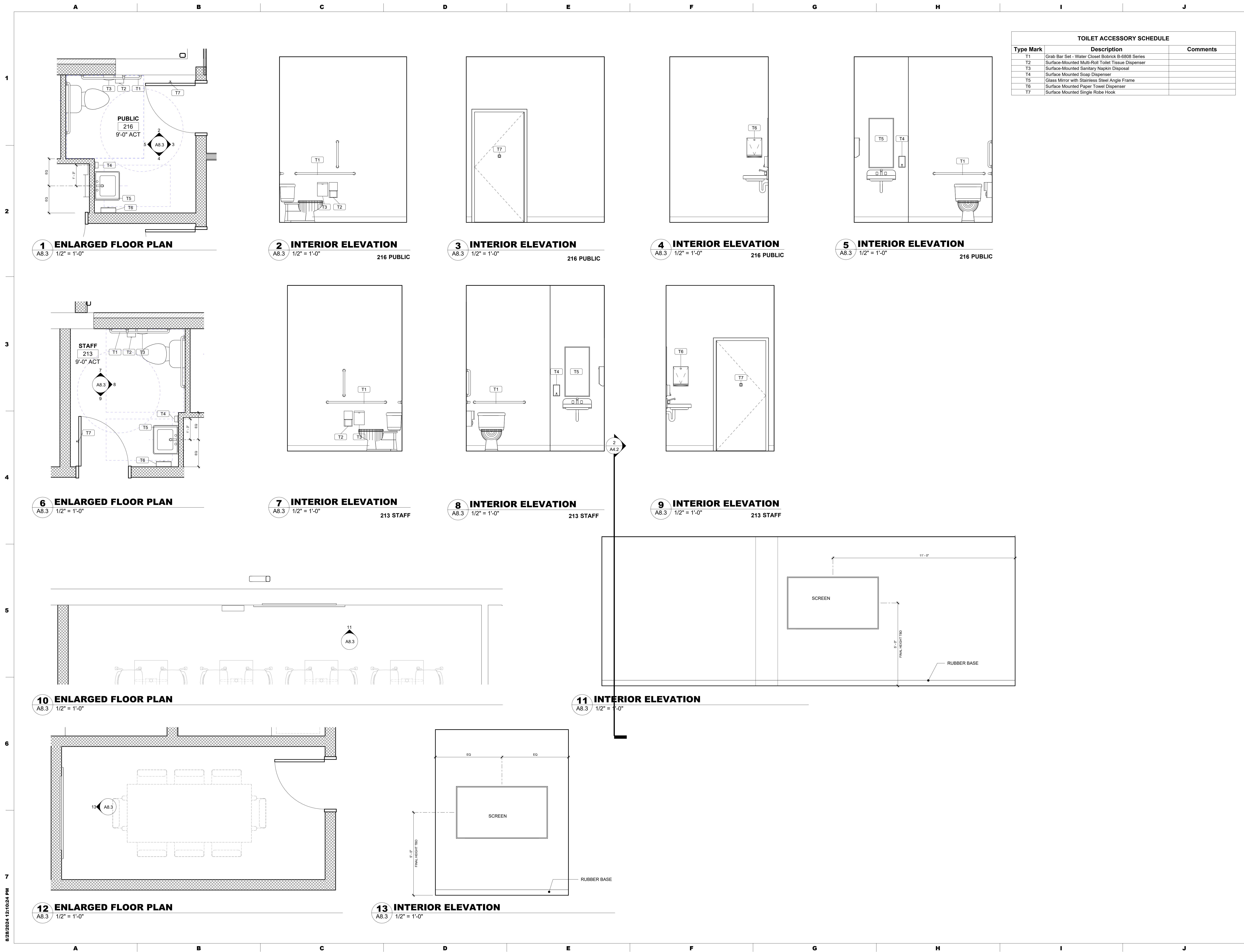
BID SET

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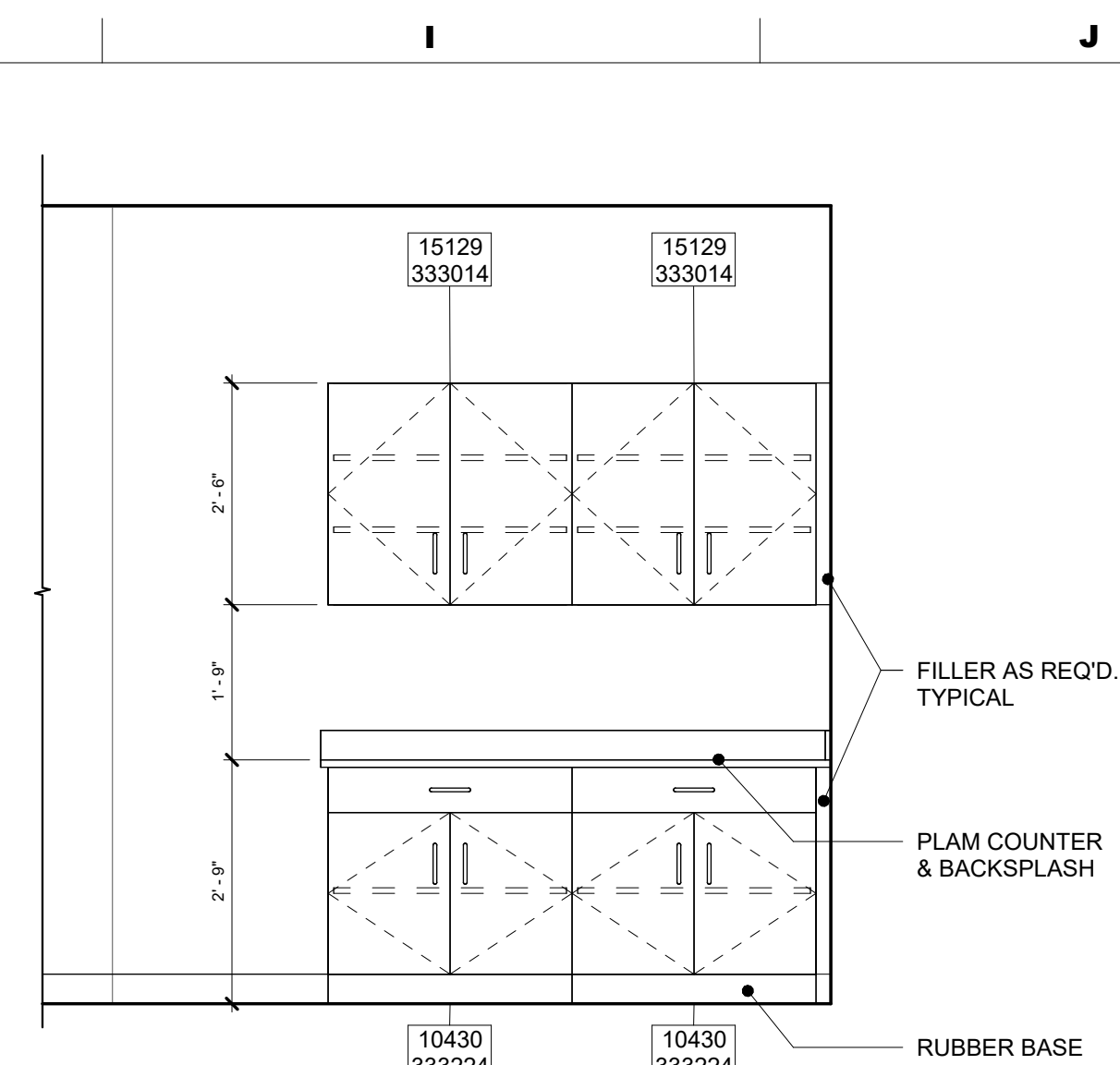
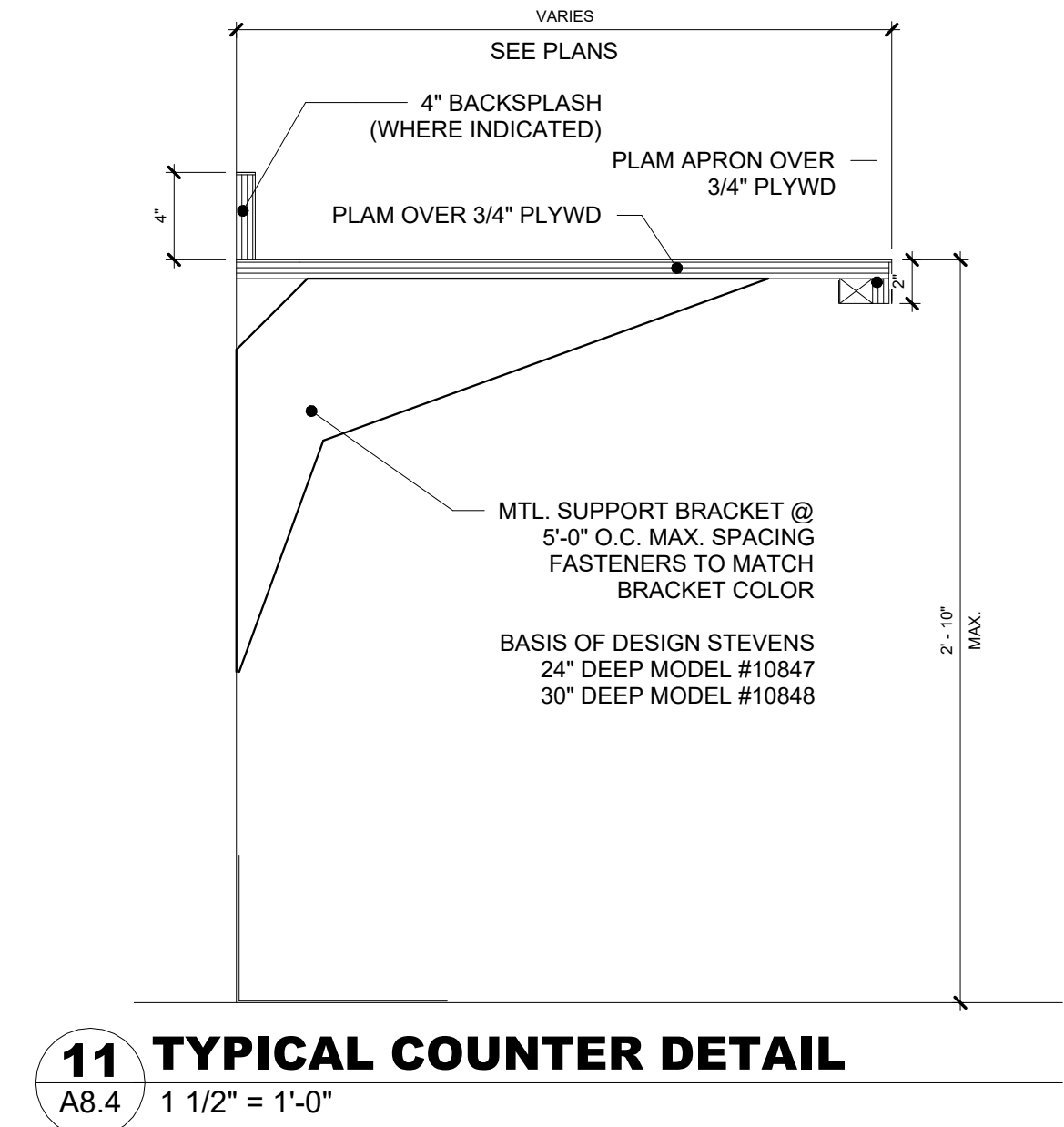
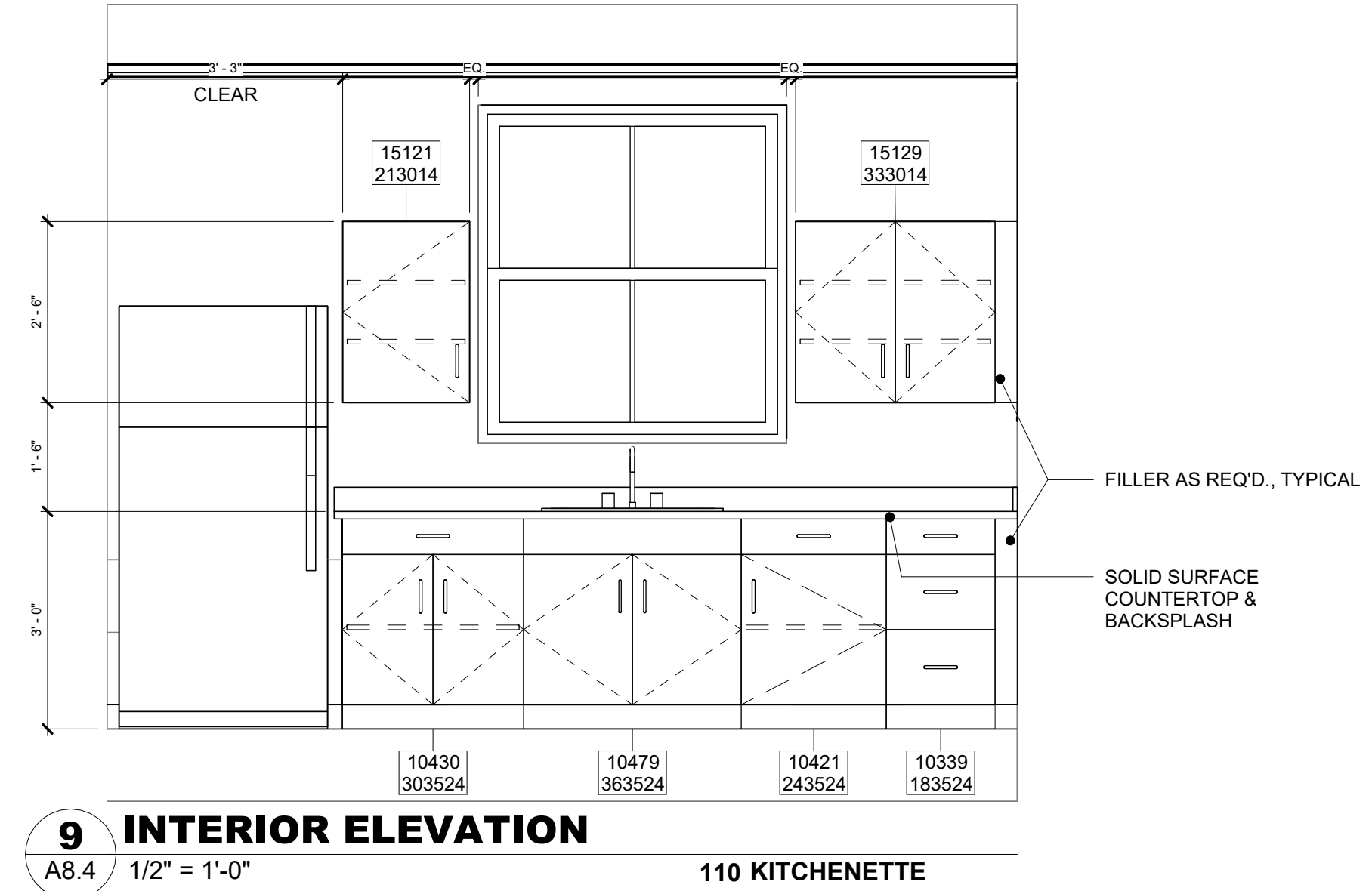
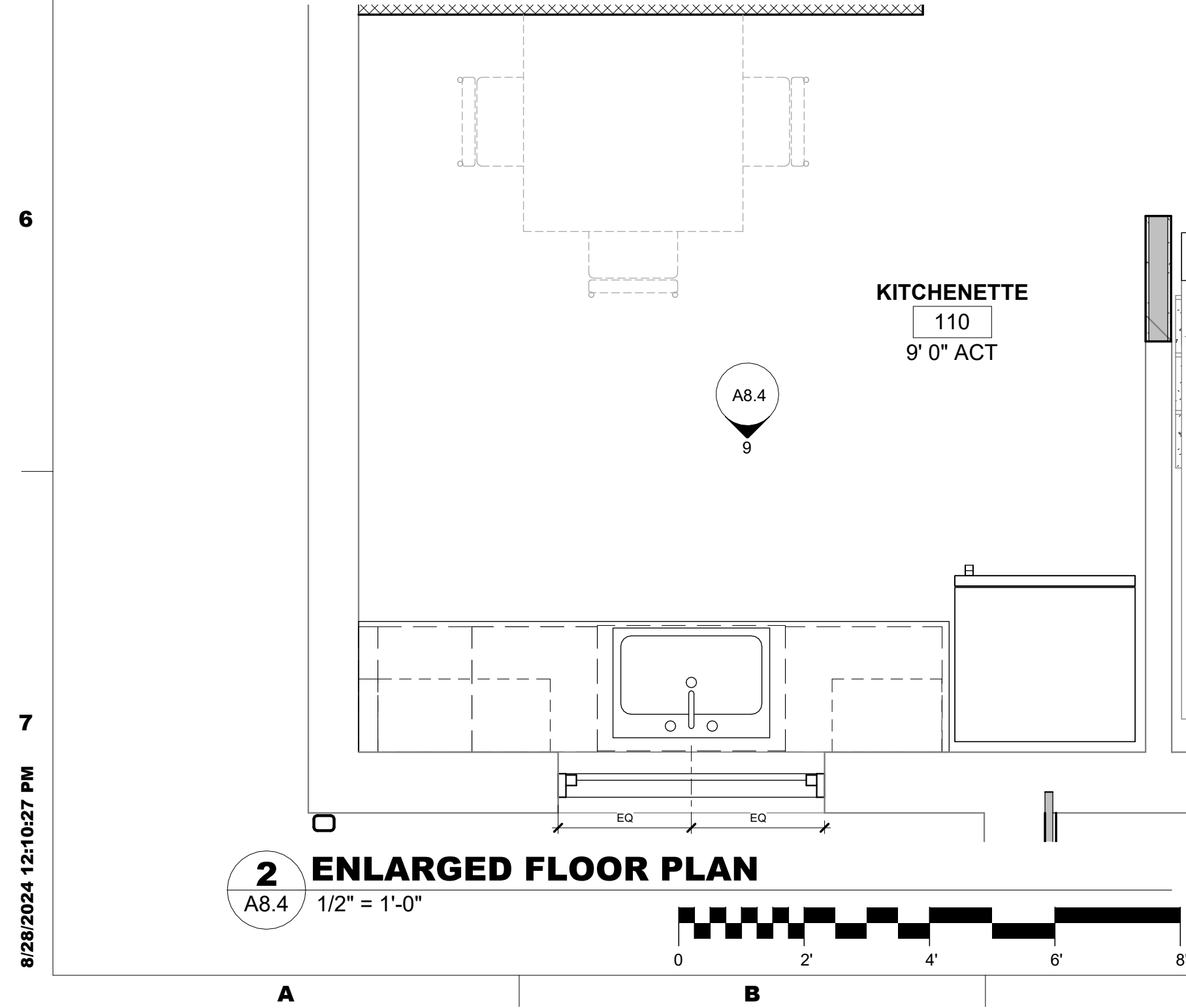
TOILET ACCESSORY SCHEDULE		
Type Mark	Description	Comments
T1	Grab Bar Set - Water Closet Bobrick B-6808 Series	
T2	Surface-Mounted Multi-Roll Toilet Tissue Dispenser	
T3	Surface-Mounted Sanitary Napkin Disposal	
T4	Surface Mounted Soap Dispenser	
T5	Glass Mirror with Stainless Steel Angle Frame	
T6	Surface Mounted Paper Towel Dispenser	
T7	Surface Mounted Single Robe Hook	

CONSULTANT:



MAROTTA/MAIN
ARCHITECTS

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6



PM

1250 MAPLE AVE.

BID SET

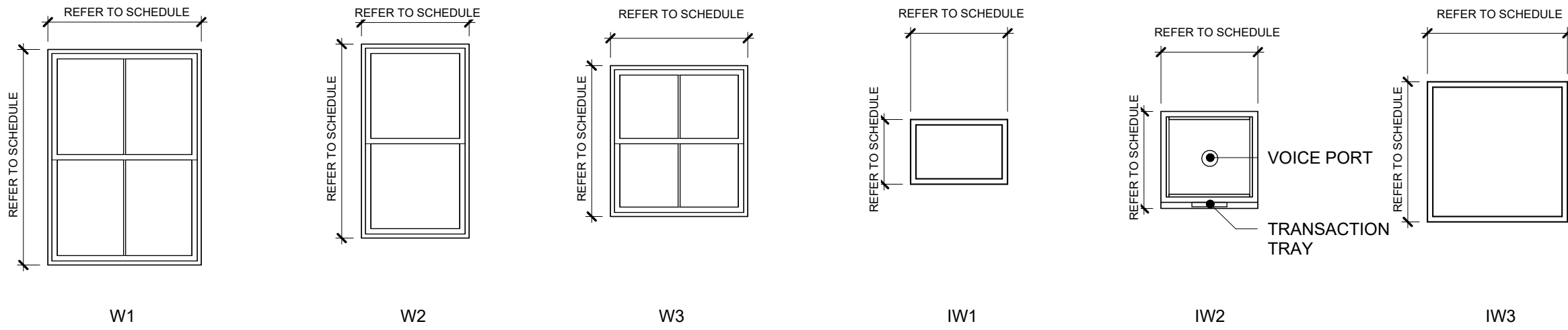
8/28/2024 12:10:30 PM

DOOR SCHEDULE													
DOOR NUMBER	DOOR SIZE			Door Types	DOOR MATERIAL	FIRE RATING	FRAME						COMMENTS
	WIDTH LEAF 1	LEAF 2	HEIGHT					FRAME TYPE	FRAME MATERIAL	HEAD	JAMB	SILL	
LOWER LEVEL													
100	3'-0"	3'-0"	6'-8"	F	HM	-	HM1	HM	7				
101	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
102	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
104	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
105	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
106	3'-0"		6'-8"	F	HM	-	HM1	HM	10	11			
108	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
109	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
110	2'-8"		6'-8"	EX	HM	-	HM1	HM				EXIST. DOOR TO BE PAINTED	
111	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
112	3'-0"		6'-8"	F	HM	-	HM1	HM	10	11			
UPPER LEVEL													
200	3'-0"		6'-8"	G	HM	-	HM1	HM	8				
201	3'-0"		6'-8"	F	HM	-	HM1	HM	5	6			
202	3'-0"		6'-8"	F	HM	-	HM1	HM	5	6			
204	3'-0"		6'-8"	F	HM	-	HM1	HM	5	6			
205	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
206	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
208	3'-0"		6'-8"	F	HM	-	HM1	HM	5	6			
209	3'-0"		6'-8"	F	HM	-	HM1	HM	5	6			
210	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
211	3'-0"		6'-8"	G	HM	-	HM1	HM	9				
211-1	3'-0"		6'-8"	F	HM	-	HM1	HM					
212	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
213	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
214	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
215	2'-8"		6'-8"	F	HM	-	HM1	HM	3	4			
216	3'-0"		6'-8"	F	HM	-	HM1	HM	3	4			
A-ST1	3'-0"		6'-8"	F	HM	-	HM1	HM	5	6			

WINDOW SCHEDULE												
Type Mark	R.O.		Type	Basis of Design Manufacturer	Model	Head	Jamb	Sill	Head Heights	Glazing		Comments
	Width	Height								Thickness	Type	
IW1	2' - 0"	3' - 0"	Alum. Transaction	Total Security Solutions					VARIES		SECURITY TRANSACTION WINDOW	
IW2	3' - 0"	3' - 0"										
IW3	4' - 0"	4' - 0"										
W1	4' - 8"	5' - 5"	Fiberglass Single Hung	Marvin Windows and Doors	Essentials				VARIES			
W2	4' - 4"	6' - 0"	Fiberglass Single Hung	Marvin Windows and Doors	Essentials				VARIES			
W3	4' - 3"	4' - 8"	Fiberglass Single Hung	Marvin Windows and Doors	Essentials				VARIES			

GENERAL DOOR AND FRAME NOTES

1. UNDERCUT DOORS AS REQUIRED TO OPERATE SMOOTHLY OVER FINISHED FLOOR. MAXIMUM UNDERCUT SHALL BE 1/4", UNLESS NOTED OTHERWISE. FINISH BOTTOM OF DOORS AFTER UNDERCUTTING.



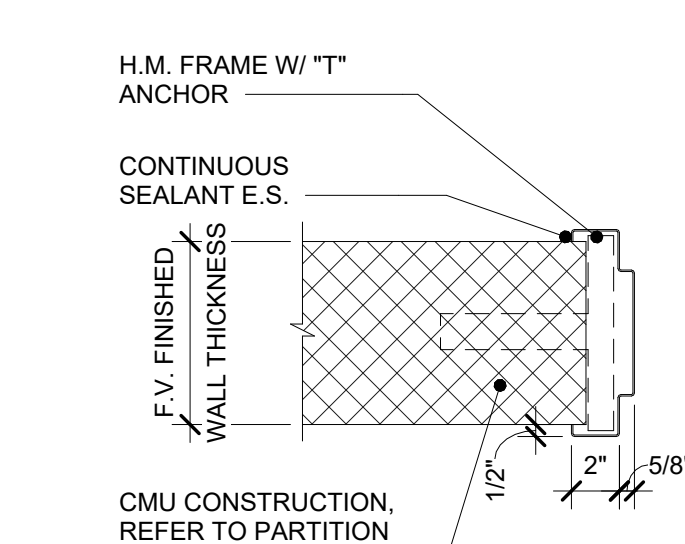
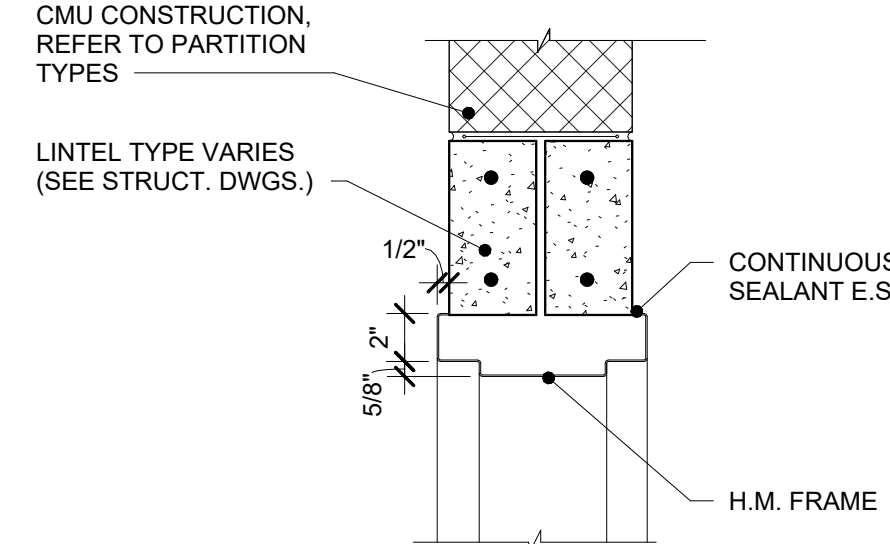
WINDOW TYPES

1 DOOR TYPES

A9.1 1/4" = 1'-0"

2 HOLLOW METAL FRAME TYPES

A9.1 1/4" = 1'-0"

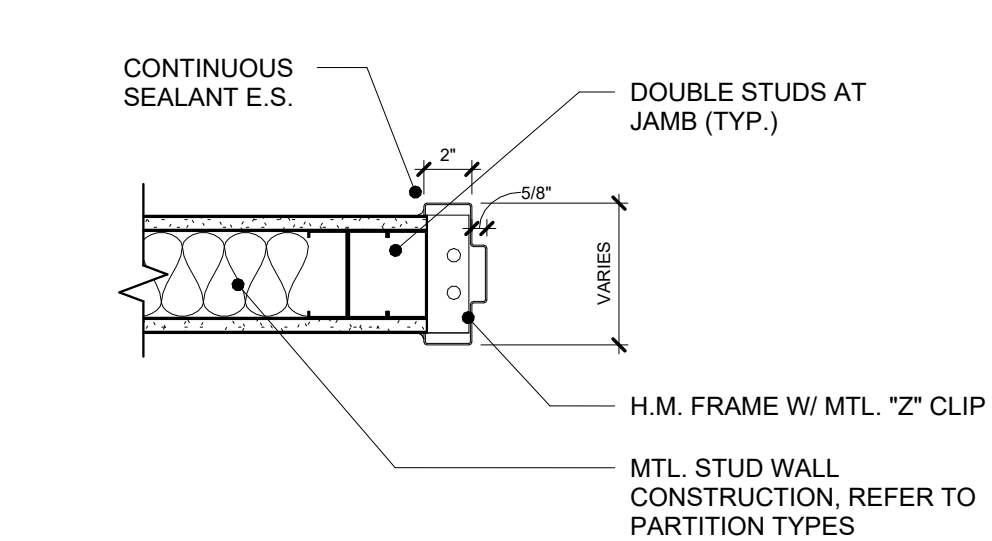
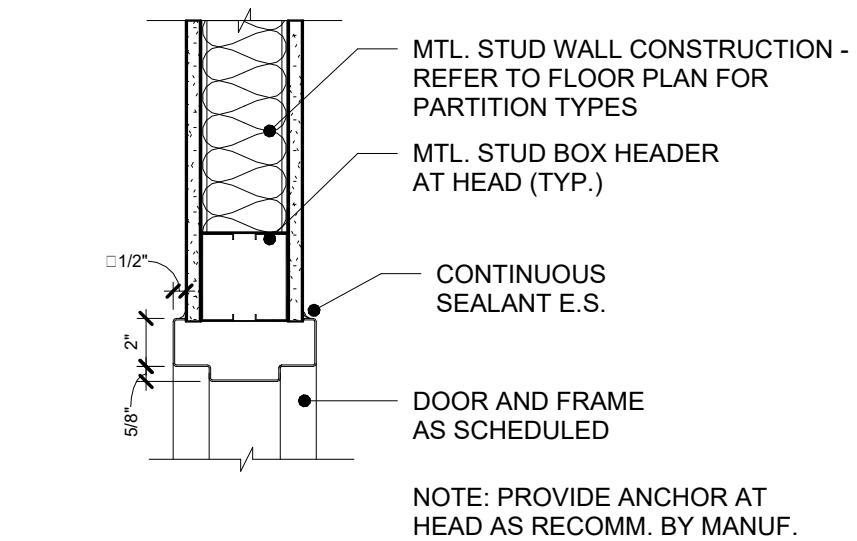


3 HEAD DETAIL

A9.1 1 1/2" = 1'-0"

4 JAMB DETAIL

A9.1 1 1/2" = 1'-0"



5 HEAD DETAIL

A9.1 1 1/2" = 1'-0"

6 JAMB DETAIL

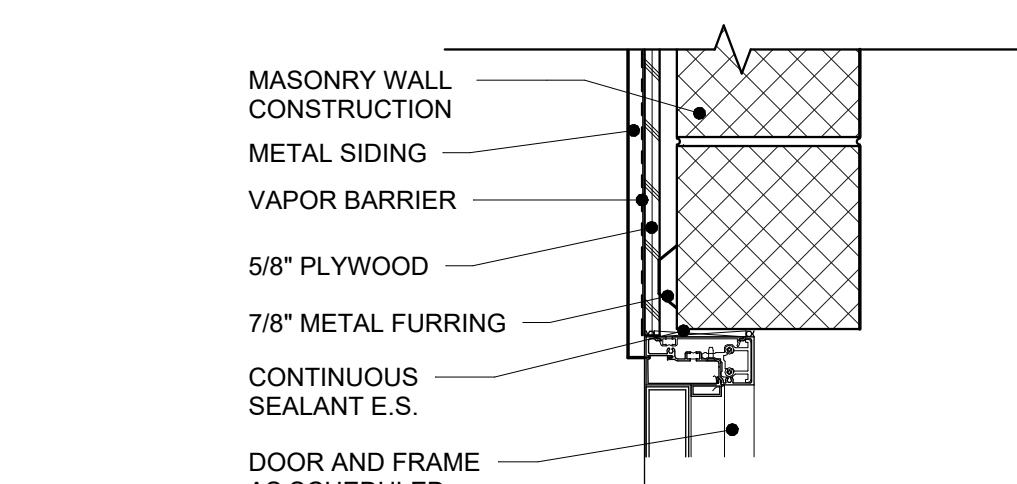
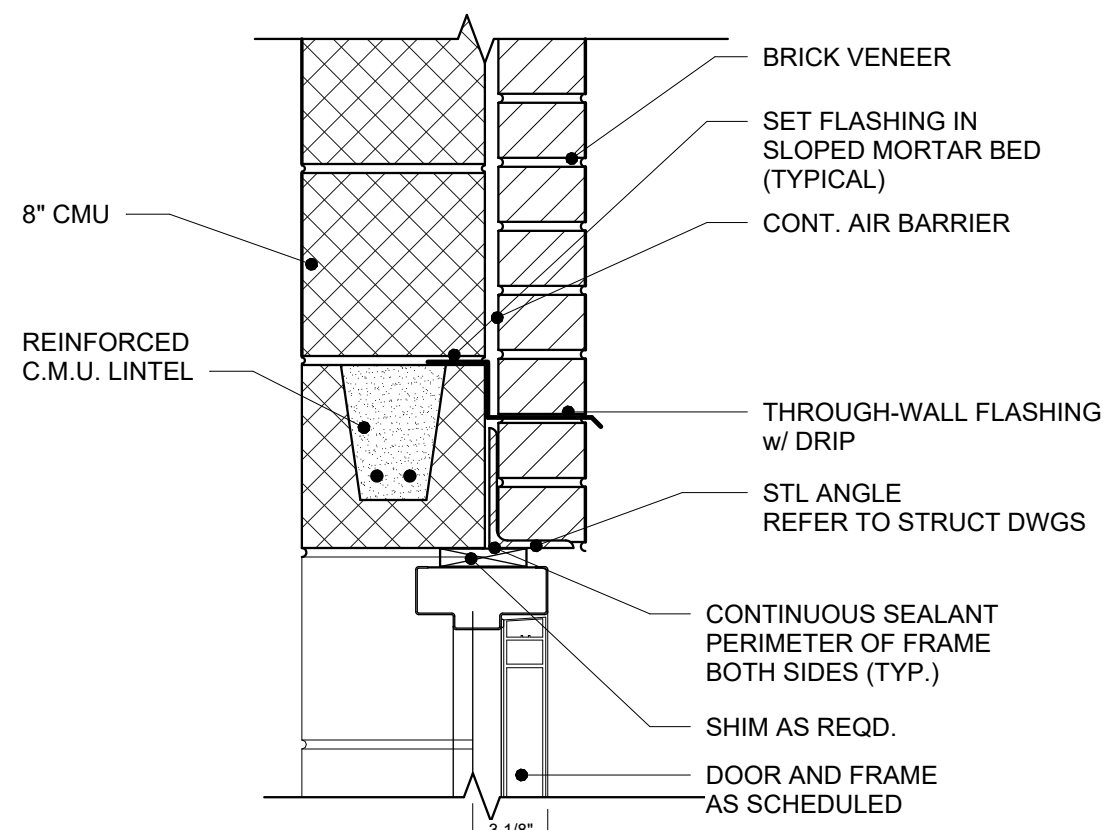
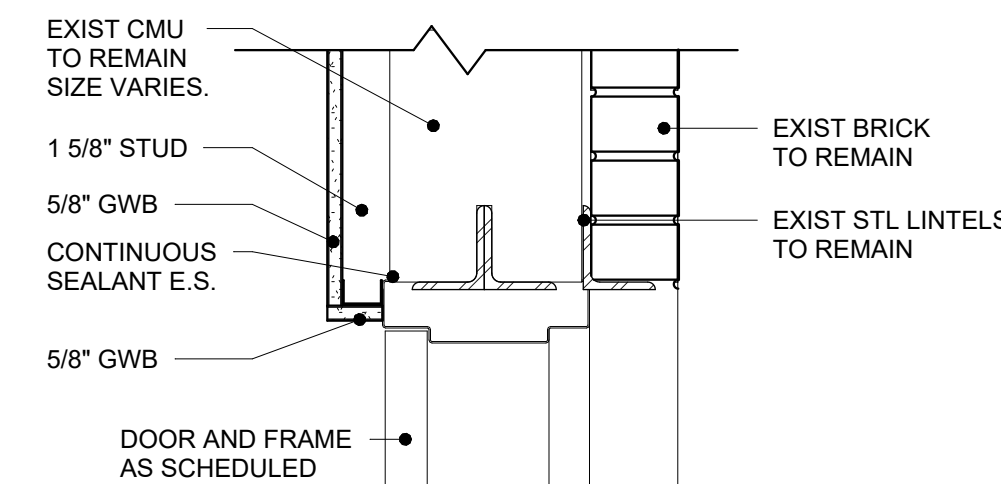
A9.1 1 1/2" = 1'-0"

10 HEAD DETAIL

A9.1 1 1/2" = 1'-0"

11 JAMB DETAIL

A9.1 1 1/2" = 1'-0"



7 HEAD DETAIL

A9.1 1 1/2" = 1'-0"

8 HEAD DETAIL

A9.1 1 1/2" = 1'-0"

9 HEAD DETAIL

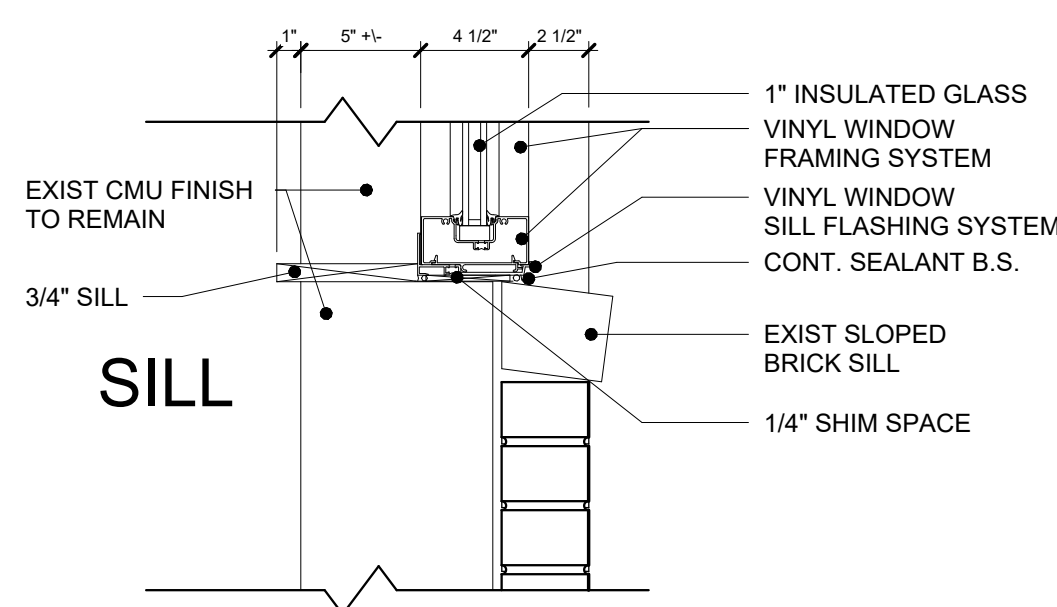
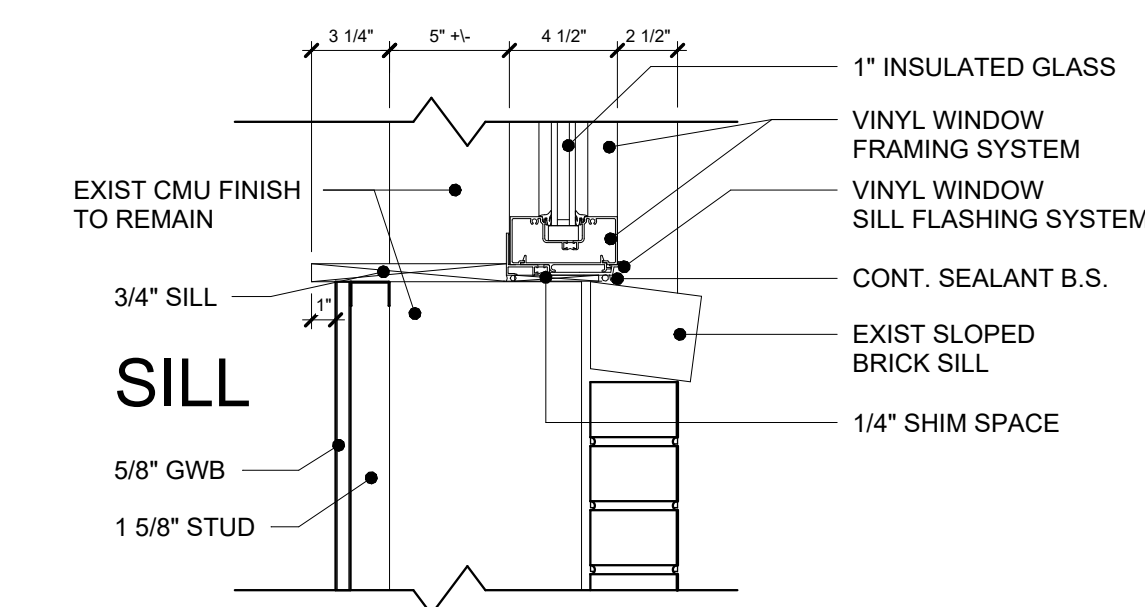
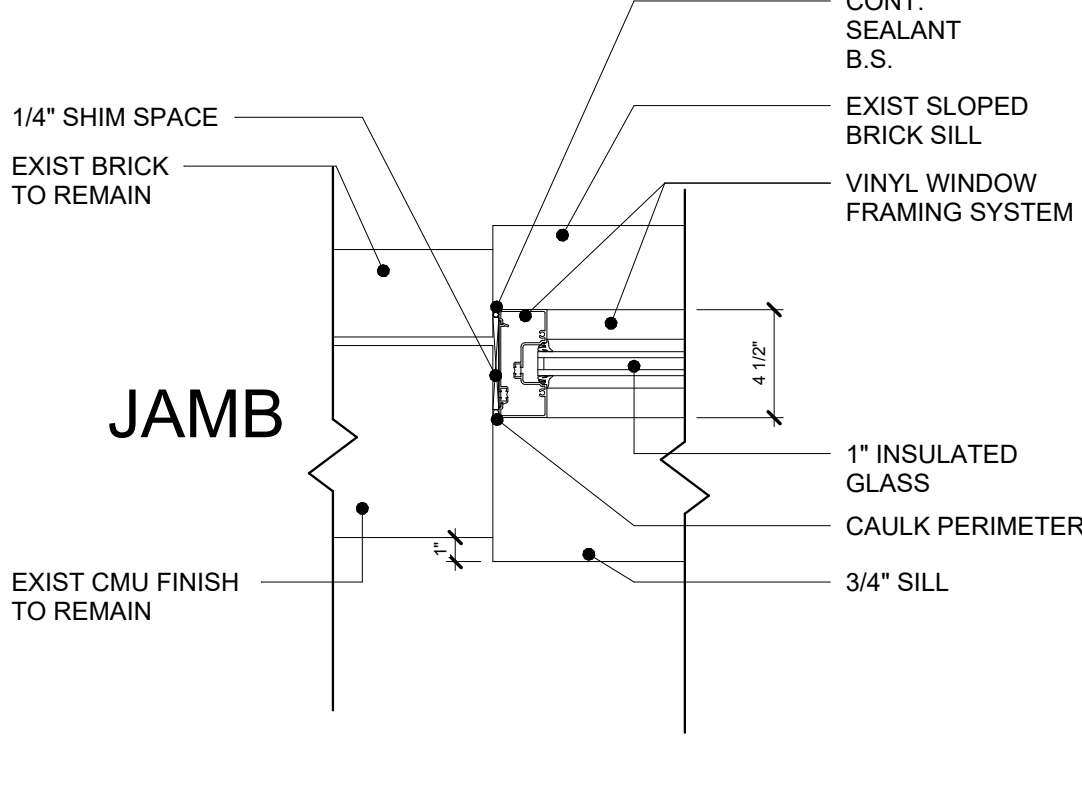
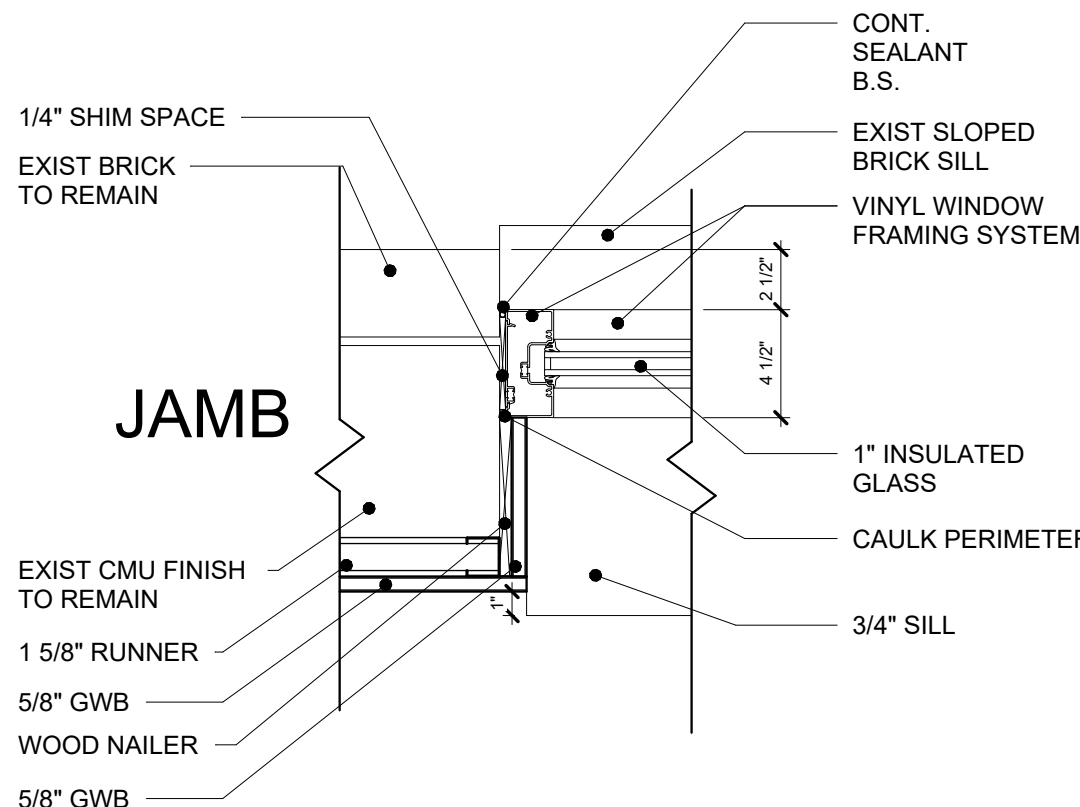
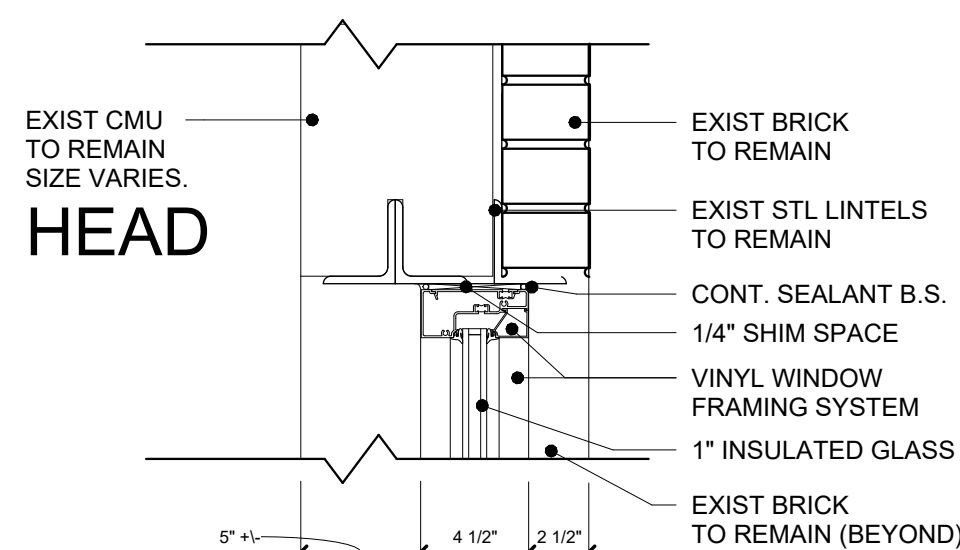
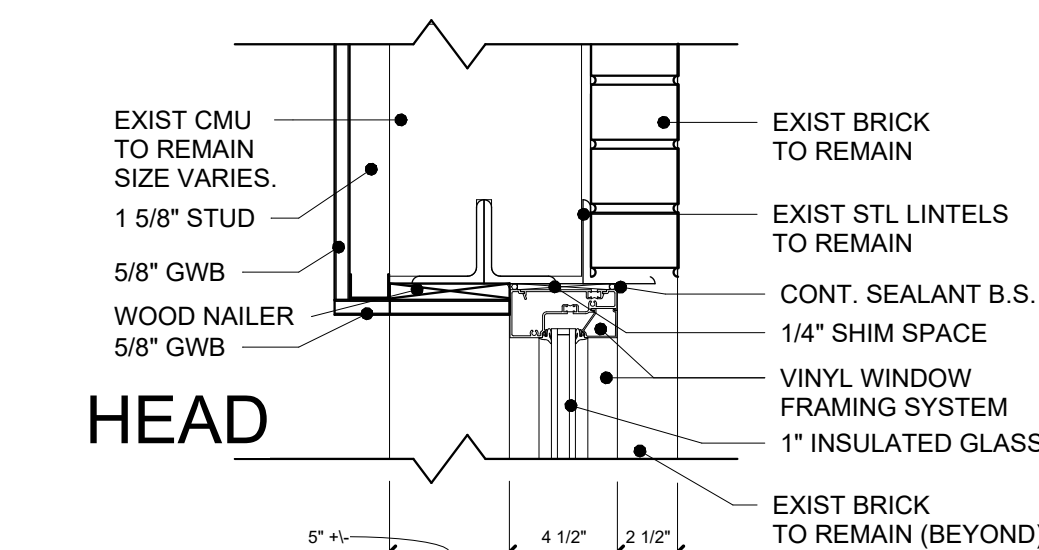
A9.1 1 1/2" = 1'-0"

12 WINDOW HEAD, JAMB, AND SILL DETAILS W/ FURRING

A9.1 1 1/2" = 1'-0"

13 TYP. WINDOW HEAD, JAMB, AND SILL DETAILS

A9.1 1 1/2" = 1'-0"



CONSULTANT:

RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT

LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

ISSUE DATES

DATE:

09/25/24

BID SET

SHEET TITLE:

PROJ #1 : 24-LT-01

DRAWN BY :

CPD

DOOR AND WINDOW

SCHEDULES AND

TYPES & DETAILS

SHEET NUMBER:

A9.1

BID SET

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MAROTTA/MAIN

ARCHITECTS

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		A			B			C			D			E
ROOM FINISH SCHEDULE														
NUMBER	NAME	FLOOR FINISH	SUB-FLR	BASE	WALL FINISH				Ceiling Finish	Casework	COMMENTS			
					N	E	S	W						
100	ENTRY	CONC	CONC	RB	PNT	PNT	PNT	PNT	ACT					
101	SECURE EVIDENCE A	CONC	CONC	RB	PNT	PNT	PNT	PNT	ACT					
102	SECURE DRUG EVIDENCE	CONC	CONC	RB	PNT	PNT	PNT	PNT	ACT					
103	SECURE EVIDENCE B	CONC	CONC	RB	PNT	PNT	PNT	PNT	ACT					
104	SERVER	CONC	CONC	RB	PNT	PNT	PNT	PNT	---					
105	MECH./ ELECT.	CONC	CONC	RB	PNT	PNT	PNT	PNT	---					
106	RECORDS	CONC	CONC	RB	PNT	PNT	PNT	PNT	ACT					
107	LOUNGE AND TRAINING	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT		SEE PLAN FOR ACCENT PAINT LOCATIONS			
108	ARMORY	CONC	CONC	RB	PNT	PNT	PNT	PNT	ACT					
109	W LOCKER	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
110	KITCHENETTE	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT	PLAM-1 & PLAM-2				
111	M LOCKER	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
112	M SHOWER	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
200	VESTIBULE	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT		SEE PLAN FOR ACCENT PAINT LOCATIONS			
201	PUBLIC INFO.	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT	PLAM-1 & PLAM-2	SEE PLAN FOR ACCENT PAINT LOCATIONS			
202	INTERVIEW	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
203	ADMIN ASSIST	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
204	POLICE CHIEF	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
205	CONFERENCE	CRP-1	CONC	RB	PNT	PNT	PNT	PNT	ACT		SEE PLAN FOR ACCENT PAINT LOCATIONS			
206	CORRIDOR A	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
207	CORRIDOR B	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT	PLAM-1 & PLAM-2				
208	DETECTIVE	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
209	JUVENILE HOLDING/ INTERVIEW 2	CONC	CONC	RB	PNT	PNT	PNT	PNT	ACT					
210	BOOKING	CONC	CONC	RB	PNT	PNT	PNT	PNT	ACT					
211	SALLY PORT	CONC	CONC	---	PNT	PNT	PNT	PNT	ACT					
212	PATROL	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
213	STAFF	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
214	SUPERVISOR OFFICE	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
215	JAN. CLOS.	CONC	CONC	RB	PNT	PNT	PNT	PNT						
216	PUBLIC	LVT-1	CONC	RB	PNT	PNT	PNT	PNT	ACT					
A1	STAIR	T-PNT	CONC	---	PNT	PNT	PNT	PNT	ACT		PROVIDE RUBBER BASE ON ALL STAIR LANDINGS			
A2	STAIR	T-PNT	CONC	---	PNT	PNT	PNT	PNT	ACT		PROVIDE RUBBER BASE ON ALL STAIR LANDINGS			

FINISH LEGEND	
FLOOR FINISHES	
	CONC. SEALED CONCRETE
	CRP-1 CHAW CONTRACT DIFFUSE TILE; TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS.
	LVT-1 MANNINGTON COMMERCIAL ANCHOR COLLECTION. COLOR TO BE SELECTED FROM MANUFACTURER'S FULL RANGE 1-3 COLORS
	T-PNT TEXTURED PAINTED CONCRETE AT STAIR - TREADS, RISERS, & LANDINGS; PAINT WITH SHARKGRIP TEXTURE. COLOR SELECTED FOR MANUFACTURER'S FULL RANGE
BASE FINISHES	
RB	TARKETT JOHNSONITE 4" RUBBER COVE BASE; COLORS 1-3 TBD
CEILING FINISHES	
ACT	ACOUSTIC CEILING TILE; REFER TO SPECIFICATION FOR PRODUCT TYPES AND SPECIFIC LOCATIONS.
PLASTIC LAMINATES	
PLAM-1	CABINETS- WILSONART 7925-38; COLOR: MONTICELLO MAPLE
PLAM-2	COUNTERS- WILSONART 4990-38 FLAX LINEN
PAINT	
PNT-1	SHERWIN WILLIAMS, OVERALL NEUTRAL FIELD WALL PAINT. COLOR: SW 7008 ALABASTER
PNT-2	BENJAMIN MOORE, ACCENT WALL PAINT. COLOR: TBD
PNT-3	SHERWIN WILLIAMS, ACCENT WALL PAINT. COLOR: TBD
PNT-4	BENJAMIN MOORE, CEILING PAINT. COLOR: TBD
PNT-5	SHERWIN WILLIAMS, TRIM PAINT. COLOR: SW 6148 WOOL SKEIN

GENERAL FINISH NOTES

1. CONTRACTOR SHALL FLASH AT DOORS TO ALLOW FOR A LEVEL FLOOR FINISH BETWEEN LVT AND ADJACENT FINISHES SUCH AS EPOXY AND EXISTING FLOORING THAT WILL REMAIN.
2. ALL EXPOSED STEEL TO BE PAINTED FINISH. VERIFY COLOR IN FIELD WITH OWNER AND ARCHITECT.
3. ALL COLORS TO BE CONFIRMED DURING THE SUBMITTAL PROCESS.
4. ALL PAINT COLORS ARE PLACE-HOLDERS. EXACT COLOR SELECTIONS WILL BE CONFIRMED DURING THE SUBMITTAL PROCESS WITH DRAWINGS.
5. CONCRETE SLAB IS TO SLOPE TO FLOOR DRAIN AT 1/8" / FT IN LOCATIONS AS SHOWN.
6. ALL TOILET ROOM WALLS ARE RECEIVE FRP UNO.
7. SUBMIT SAMPLES OF ALL SPECIFIED FINISHES AND COLORS FOR ARCHITECT'S APPROVAL PRIOR TO EXECUTION OF WORK.
8. ARCHITECT SHALL INTERPRET THE AESTHETIC MATCH OF THE CONTROL SAMPLES THEY POSSESS, AND THEIR ACCEPTANCE OR REJECTION OF THE SAMPLES OFFERED IS FINAL.
9. STARTING OF FINISH WORK SHALL INDICATE APPLICATOR'S ACCEPTANCE OF SUBSTRATE.
10. ENSURE ALL SURFACES TO RECEIVE FINISH ARE CLEAN, TRUE AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
11. CONCRETE SLAB TO BE FLASH PATCHED AS REQUIRED TO RECEIVE NEW FLOOR FINISH.
12. UPON RECEIPT FROM MANUFACTURER, THE INSTALLER SHALL INSPECT ALL MATERIAL FOR DEFECTS, SHIPPING DAMAGE, FLAWS, CORRECT COLOR AND PATTERN. DAMAGED OR INCORRECT MATERIALS SHALL BE SENT BACK TO THE MANUFACTURER FOR IMMEDIATE REPLACEMENT.
13. WHERE TWO FLOOR FINISHES MEET AT A DOORWAY, THE TRANSITION MUST OCCUR ON THE CENTERLINE OF THE DOOR IN ITS CLOSED POSITION.
14. EXTEND FLOOR FINISH UNDER OPEN-BOTTOMED AND RAISED BOTTOM OBSTRUCTIONS. EXTEND FINISH INTO CLOSETS AND ALCOVE AREAS AS INDICATED, UNLESS ANOTHER FINISH IS INDICATED FOR THAT AREA.
15. APPLY RUBBER BASE WHERE SCHEDULED TO WALLS, COLUMNS AND OTHER PERMANENT FIXTURES IN ROOMS OR AREAS WHERE SPECIFIED. INSTALL BASE IN AS LONG LENGTHS AS PRACTICAL. TIGHTLY BOND TO BACKING THROUGHOUT THE LENGTH AND HEIGHT OF EACH PIECE. WITH CONTINUOUS CONTACT AT VERTICAL AND HORIZONTAL SURFACES. RUBBER CORNERS TO BE PRE-MOLDED, TYPICAL THROUGHOUT.
16. PRIOR TO OCCUPANCY, THE CONTRACTOR SHALL CLEAN ALL FINISHES OF DUST, DEBRIS, LOOSE CONSTRUCTION MATERIALS & EQUIPMENT.
17. MAINTENANCE MATERIALS: DELIVER USABLE SCRAPS OF CARPET, VINYL, TILE, AND OTHER FINISH MATERIAL TO OWNER'S DESIGNATED STORAGE SPACE. PROPERLY PACKAGED (PAPER WRAPPED) AND IDENTIFIED.
18. PROVIDE 8" HIGH CORNER GUARDS AS SPECIFIED AT ALL OUTSIDE GYPSUM BOARD PARTITION CORNERS, TYPICAL.
19. ALL EXPOSED DUCTWORK TO BE PAINTED BY G.C.
20. TYPICAL THROUGHOUT - HOLLOW METAL FRAMES TO BE PAINTED PNT-3.
21. PROVIDE TRANSITION STRIPS, AS REQUIRED, AT INTERSECTION OF DIFFERENT FLOORING MATERIALS.

PAINT

1. ALL PAINT TO BE APPLIED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. SAND LIGHTLY BETWEEN COATS TO ACHIEVE REQUIRED FINISH. ALLOW EACH COAT OF FINISH TO DRY BEFORE THE FOLLOWING COAT IS APPLIED. UNLESS DIRECTED OTHERWISE BY MANUFACTURER, FILL KNICKS, GOUGES AND OTHER IMPERFECTIONS OF SURFACES WITH LATEX FILLER AND SAND SMOOTH UNTIL FLUSH WITH SURFACE.
2. MATERIALS TO ARRIVE AT JOBSITE IN ORIGINAL, NEW, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S NAME, TRADE NAME AND LABEL ANALYSES. STORE ON SITE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. ALL PAINTING TO BE DONE UNDER FINAL LIGHTING CONDITIONS.
4. FINISHED PAINTED SURFACES SHALL BE OF UNIFORM COLOR, APPEARANCE AND FINISH WITHOUT DRIPS, RUNS OR SMUDGES.
5. WHERE GRILLES OR DIFFUSERS OCCUR IN CEILING OR WALL, CONFIRM WITH PROFESSIONAL PRIOR TO PAINTING TO MATCH EXISTING ADJACENT SURFACES.
6. REMOVE OR OTHERWISE PROTECT FINISH HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES AND SIMILAR ITEMS BEFORE PAINTING.
7. DO NOT PAINT ANY MOVING PARTS OR OPERATION UNITS, CODE-REQUIRED LABELS AND EQUIPMENT IDENTIFICATIONS.
8. PAINT AREAS BEHIND MOVEABLE SURFACE (E.G. INSIDE CABINETS AND BACKS OF ACCESS PANELS). COORDINATE WITH ARCHITECT PRIOR TO START OF WORK.
9. REPAINT OR REFINISH PAINTED SURFACES DAMAGED BY SUBSEQUENT WORK.
10. EXISTING PLASTER WALLS TO BE SCRAPPED WITH A HAND TOOL, SAND, CLEAN, PRIME AND PAINTED FOR CONSISTENT FINISH.
11. ALL EXPOSED NON-GALVANIZED DECK IS TO BE PRIMED AND PAINTED.

ACOUSTICAL CEILING INSTALLATION

1. CEILING SHALL BE TRUE, FLAT, STRAIGHT AND REGULAR. PROVIDE STABILIZER BARS AS REQUIRED TO DISTRIBUTE LOAD EQUALLY OVER TWO OR MORE RUNNERS.
2. LEVEL CEILING SHALL BE WITHIN 1/8" IN 12 FEET IN ANY DIRECTION. LEVEL WITH HANGER WIRE TAUT AND PLUMB, WITHOUT KINKING OR BENDING HANGER WIRES. CEILING HEIGHT SHALL MATCH EXISTING UNLESS OTHERWISE NOTED.
3. INSTALL MAX. LENGTHS OF EDGE MOLDING AT INTERSECTION OF CEILING AND VERTICAL SURFACE. MITER ALL CORNERS.
4. LAY DIRECTIONAL PATTERN UNITS IN SINGLE DIRECTION.
5. ALL FIXTURE TRIM (LIGHTINGS, SPEAKER, HVAC GRILLES, ETC) SHALL BE METAL AND PAINTED TO MATCH ADJACENT CEILING FINISH. PLASTIC TRIM IS NOT ACCEPTABLE UNLESS APPROVED BY THE PROFESSIONAL.

RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT
LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

[illegible]

FINISH SCHEDULE

SHEET NUMBER:

A10.1

BID SET



SEAL:

CONSULTANT:

RENOVATIONS/ ADDITION FOR THE
POLICE DEPARTMENT

LANCASTER TOWNSHIP
1250 MAPLE AVE.
LANCASTER, PA 17603

ISSUE DATES
DATE: 08/25/24
DESCRIPTION: BID SET

PROJ # : 244T-01
SHEET TITLE:
DRAWN BY : CPD

UPPER AND LOWER
FLOOR FINISH PLANS

SHEET NUMBER:
A10.2
BID SET

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1. CONTRACTORS SHALL REVIEW AND VERIFY ALL DEMOLITION WORK AGAINST THE NEW CONSTRUCTION DRAWINGS PRIOR TO COMMENCING WORK AND BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT.
2. WHERE MECHANICAL, ELECTRICAL AND PLUMBING DEVICES ARE NOTES TO BE DEMOED, DEMO THE FIXTURE AND AND ALL ASSOCIATES COMPONENTS. THE CONTRACTOR SHALL MAKE SAFE THE ELECTRICAL AND PLUMBING SYSTEMS BEFORE STARTING ANY DEMO WORK.
3. MOST EXISTING WALLS ARE CONCRETE BLOCK. WHERE EXISTING WALL SWITCHES AND OUTLET LOCATIONS ARE CLOSE TO THE NEW ONES ON THE NEW ELECTRICAL PLANS REUSE. VERIFY THE EXISTING IS SAFE TO REUSE AND CIRCUIT PER THE NEW PLANS AS SHOWN. SWITCHES AND OUTLETS TO BE REPLACED WITH NEW.
4. MAKE SAFE & DEMO EXISTING LIGHTING FIXTURES, EMERGENCY LIGHTING AND THEIR ASSOCIATED WIRING/COMPONENTS.
5. MAKE SAFE AND DEMO ALL WATER AND GAS PIPING BACK TO THEIR BUILDING SOURCE FOR FUTURE CONNECTION TO NEW CONFIGURATION. SEE NEW PLUMBING PLANS FOR NEW INCOMING WATER AND WATER METER LOCATION.

- 1 MAKE SAFE AND DEMO ALL ELECTRICAL EQUIPMENT AND WIRING. THE EXISTING GENERATOR SHALL REMAIN AND NO LONGER BE ASSOCIATED WITH THIS BUILDING. MAKE ALL NECESSARY MODIFICATIONS.
- 2 DEMO EXISTING AC UNIT. DEMO ALL ASSOCIATED WIRING, PLUMBING, DUCTWORK AND AIR DEVICES.
- 3 DEMO EXISTING WATER HEATER AND ALL ASSOCIATED ACCESSORIES & COMPONENTS.
- 4 DEMO EXISTING PLUMBING FIXTURES. THE EXISTING SHOWER WILL REMAIN FOR REUSE BUT THE SHOWER PLUMBING FIXTURES SHALL BE CHANGED OUT.
- 5 DEMO EXHAUST FAN AND ALL ASSOCIATED COMPONENTS.
- 6 DEMO EXISTING SECURITY PANELS AND ACCESSORIES.
- 7 DEMO EXISTING WIRING AND MAKE READY FOR NEW LARGER SERVICE TO BUILDING. SEE NEW POWER PLANS FOR DETAILS.
- 8 MAKE SAFE AND DEMO KITCHEN & PLUMBING FIXTURES.
- 9 MAKE SAFE & DEMO WALL HEATER.
- 10 MAKE SAFE & DEMO EXTERIOR LIGHT FIXTURES.
- 11 MAKE SAFE AND DEMO ELECTRICAL PANELS AND WIRING.
- 12 MAKE SAFE AND DEMO EXISTING GAS UNIT HEATERS.
- 13 DEMO THE EXISTING EXHAUST SYSTEM COMPLETELY.
- 14 EXISTING UNDERGROUND SANITARY ACCESS AND PIPING TO REMAIN FOR CONNECTION ON NEW FIXTURES INTO. CONTRACTOR SHALL SURVEY ALL THE EXISTING SANITARY PIPING TO VERIFY THE ACTUAL LOCATION OF ACCESS AND UNDERGROUND PIPING. REUSE ONLY PIPING THAT IS SUITABLE FOR REUSE. INSTALL NEW PIPING PER DRAWING P2.1 AS REQUIRED.
- 15 DEMO AND REMOVE INCOMING DOMESTIC SERVICE FROM EXISTING ROOM. SEE NEW PLUMBING PLANS FOR NEW LOCATION AND SERVICE SIZE. VERIFY EXISTING SERVICE SIZE AND UPSIZE IF REQUIRED AND BRING NEW DOMESTIC WATER INTO NEW LOCATION SHOWN.



COMMONWEALTH OF KENTUCKY
REGISTERED PROFESSIONAL ENGINEER
DAVID T. POSTLETHWAIT
ENGINEER
PE062816
8-28-24

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POLICE DEPARTMENT
LANCASTER TOWNSHIP
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LANCASTER, PA 17603

[illegible]

D0.1

- THE MECHANICAL SYSTEM INDICATED ON THE DRAWINGS ARE GENERALLY DIAGRAMMATIC TO SHOW THE OWNER'S INTENT AND THE MECHANICAL EQUIPMENT LOCATIONS. ALL EQUIPMENT AND ACCESSORIES ARE SHOWN APPROXIMATELY AND SHALL BE INSTALLED CONSISTENT WITH JOB CONDITIONS AND APPLICABLE CODE REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE WORKING SYSTEM AND ALL FINAL DESIGN OF THE COMPLETE MECHANICAL SYSTEM.
- THE MECHANICAL DESIGN AND INSTALLATION SHALL MEET ALL THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. IT SHALL ALSO MEET THE 2018 INTERNATIONAL BUILDING CODES, 2018 INTERNATIONAL MECHANICAL CODE, NFPA CODES, ENERGY CODES AND THE NATIONAL ELECTRIC CODE.
- THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL DRAWINGS AND SITE TO FULLY INFORM ITSELF OF ALL CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONDENSATE DRAINS.
- THE CONTRACTOR SHALL PROVIDE A TRAINING WALK THROUGH WITH THE OWNER AND GENERAL CONTRACTOR TO DISCUSS ALL HVAC COMPONENTS AT THE CONCLUSION OF THE PROJECT.
- THE CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS AND O & M MANUALS AT THE CONCLUSION OF THE PROJECT.
- ALL OCCUPIED SPACES SHALL MEET THE VENTILATION REQUIREMENTS OF THE 2018 INTERNATIONAL MECHANICAL CODE. SEE VENTILATION SCHEDULE FOR QUANTITIES.
- INSTALL ALL EQUIPMENT AND ACCESSORIES PER THE MANUFACTURER INSTRUCTIONS. ALLOW THE MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL COMPONENTS.
- ALL TUBING AND FITTINGS SHALL BE RATED AND LISTED FOR APPLICATION OF USE. VERIFY THE PROPER PRODUCT TYPE IS LISTED FOR ITS INTENDED USE.
- TAG & LABEL ALL EQUIPMENT PER THE DRAWING LABELS FOR FUTURE REFERENCE.
- SEE EQUIPMENT SCHEDULES FOR OUTSIDE AIR REQUIREMENTS. OUTSIDE SHALL BE PER TABLE 403.3 OF THE 2018 INTERNATIONAL MECHANICAL CODE.
- ALL HVAC DUCTWORK SHALL BE GALVANIZED G90 SHEET METAL AND SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITION OF THE SMACNA DUCTWORK CONSTRUCTION STANDARDS. THE DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH BLANKET R-6 INSULATION AND LINED THE FIRST 10 FEET FROM THE UNIT WITH 1/2" ACOUSTICAL LINER. ALL DUCTWORK AND GRILL TOPS SHALL BE INSULATED AND SEALED TO PREVENT CONDENSATION.
- ALL BRANCH SUPPLY AND RETURN GRILLES SHALL HAVE VOLUME DAMPERS TO BALANCE EACH AIR DEVICE OUTLET. FLEXIBLE DUCTWORK SHALL BE LIMITED TO 10'-0" PER BRANCH.
- ALL DUCTWORK ELBOWS AND TEES SHALL HAVE TURNING VANES INSTALLED TO MINIMIZE STATIC PRESSURE DROP AND SOUND.
- CONFIRM DUCTWORK WILL FIT IN EXISTING CONDITIONS BEFORE FABRICATION. DRAWINGS ARE DIAGRAMMATIC TO SHOW INTENT. COORDINATE EQUIPMENT AND DUCTWORK LOCATIONS WITH THE EXISTING CONDITIONS AND ALL OTHER TRADE PARTNERS.
- THERMOSTAT SHALL BE HONEYWELL VISION PRO 8000 OR EQUAL. VERIFY LOCATION WITH OWNER.
- DUCTED SYSTEMS SHALL BE TESTING AND BALANCED TO +/-10% BY AN (AABC) OR (NEBB) CERTIFIED AGENCY. THE CONTRACTOR SHALL PROVIDE A COPY OF THE TEST TO THE OWNER PRIOR TO FINAL WALK THRU.
- IT SHALL BE THE RESPONSIBILITY OF THIS HVAC CONTRACTOR TO INSTALL THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEM SO AS TO INSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEM OR EQUIPMENT AS REQUIRED.
- THE CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKSMANSHIP FREE OF DEFECT FOR ONE YEAR AFTER DATE OF ACCEPTANCE BY THE OWNER.
- THE CONTRACTOR SHALL USE THE SCHEDULED HVAC EQUIPMENT LISTED OR AN OWNER APPROVED EQUIVALENT. THE CONTRACTOR SHALL SUBMIT EQUIPMENT FOR REVIEW AND APPROVAL BEFORE PLACING ANY ORDERS.
- INSTALL ALL EQUIPMENT AND ACCESSORIES PER THE MANUFACTURER INSTRUCTIONS. IF THERE ARE ANY CONFLICTS BETWEEN THE INSTALLATION INSTRUCTIONS AND THESE PLANS CONTACT THE ARCHITECT FOR CLARIFICATIONS. VENT ALL EQUIPMENT TO THE OUTSIDE PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS, THE 2018 INTERNATIONAL FUEL GAS CODE AND NFPA. ALLOW THE MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL COMPONENTS.
- THE EQUIPMENT LISTED ON PLANS ARE THE BASIS OF DESIGN. EQUAL ALTERNATIVE EQUIPMENT CAN BE USED BUT WILL NEED APPROVED BEFORE BEING ACCEPTED FOR USE.

SUPPLY	
RETURN	
EXHAUST FAN	
THERMOSTAT	
AVERAGING FLEXIBLE SENSORS	
HUMIDITY SENSOR	
CO2 SENSOR	
MOTOR OPERATED DAMPER	
VOLUME DAMPER	
SHUT OFF VALVE	
PRESSURE REGULAR	
INSULATED FLEXIBLE DUCT 10 FEET MAXIMUM LENGTH	
OUTSIDE AIR	OA
UP THRU ROOF	UTR

TAG	SERVICE	MANUFACTURER	MODEL NO.	TYPE	AIR FLOW (CFM)	SONE LEVEL	ELECTRICAL			NOTES
							VOLT	PHASE	AMPS (WATTS)	
EF-1	WOMEN'S LOCKER	PANASONIC	FV-0511VKSL3	DIRECT	100	0.3	115	1	(11.4)	1, 2, 3
EF-2	MEN'S LOCKER	PANASONIC	FV-30VQ3	DIRECT	280	2.0	115	1	(67.1)	1, 2, 3
EF-3	SHOWER	PANASONIC	FV-0511VKSL3	DIRECT	100	0.3	115	1	(11.4)	1, 2, 3
EF-4	SECURE DRUG	VIVOSUN	R4 INLINE 4" W/ SPD CONTROLLER	DIRECT	190	-	115	1	(59)	PROVIDE W/ MATCHING 4" AIR CARBON FILTER
EF-5	RESTROOM	PANASONIC	FV-0511VKSL3	DIRECT	80	0.3	115	1	(11.1)	1, 2, 3
EF-6	RESTROOM	PANASONIC	FV-0511VKSL3	DIRECT	80	0.3	115	1	(11.1)	1, 2, 3
EF-7	CELL RESTROOM	PANASONIC	FV-0511VKSL3	DIRECT	80	0.3	115	1	(11.1)	1, 2, 3

NOTES:

- INTERLOCK WITH LIGHTING. PROVIDE TIME DELAY WHICH ALLOWS FAN TO RUN FOR 5-15 MINUTES (ADJUSTABLE) AFTER LIGHT IS SWITCHED OFF. OR EQUIVALENT APPROVED.
- COORDINATE WIRING, PROVIDE AND INSTALL ALL DUCTWORK AND TERMINATION HARDWARE.
- CONTROL VIA THERMOSTAT SO THAT WHEN SPACE TEMPERATURE RISES ABOVE SETPOINT THE FAN SHALL ENERGIZE.

TAG	MAKE - PRICE	SIZE (")	BLOW	NECK SIZE	NOTES
CD1	SMD	6X6	4-WAY	6"Ø	①②③
CD2	SMD	9X9	4-WAY	8"Ø	①②③
CD3	SMD	12X12	4-WAY	10"Ø	①②③
RR1	PDR	22X22 FOR T-BAR CLG	RETURN	SEE PLANS FOR NECK	①②③

NOTES: ① PROVIDE WHITE FINISH ON STEEL. ② PROVIDE WITH BRANCH VOLUME DAMPER. ③ PROVIDE WITH LATIN AIR DEVICE HARDWARE OR SURFACE MOUNT, SEE REFLECTED CEILING PLANS FOR CEILING TYPES.

TAG	SERVICE	MANUFACTURER	MODEL NO.	KW	MBH	ELECTRICAL			NOTES
						VOLT	PHASE	AMPS	
EWH-1	LOWER LEVEL VESTIBULE	QMARK	CWH1101DSAF	1.0	3.4	120	1	8.4	1
EWH-2	EVIDENCE	QMARK	CWH1101DSAF	1.0	3.4	120	1	8.4	1
EWH-3	UPPER LEVEL VESTIBULE	QMARK	CWH1101DSAF	1.0	3.4	120	1	8.4	1

NOTES:
 1. PROVIDE WITH INTEGRAL T-STAND AND ANY REQUIRED MOUNTED HARDWARE.
 2. HEATER COMES FACTORY WIRED FOR HIGHER WATTAGE. CONVERT TO LOWER WATTAGE IN FIELD IF APPLICABLE.

TAG	MANUFACTURER	GF MODEL NO.	CU MODEL NO.	CASED COIL MODEL NO.	NOMINAL TON	AIR FLOW CFM	OUTSIDE AIR CFM	COOLING CAPACITY BTU/H	HEATING CAPACITY BTU/H	EFF.	GF, ELECTRICAL				CU, ELECTRICAL				NOTES
											VOLT	PHASE	MCA	MOPP	VOLT	PHASE	MCA	MOPP	
GF-1/ CU-1	CARRIER	59TN6A040V21-22	24ACB736A003 2 STAGE 17 SEER	CNPVP3621	3.0	1,160	195	CU -36,000	40,000	96%	115/120	1	13.7	20	208/230	1	19.8	35	1,2,3,4
GF-2/ CU-2	CARRIER	59TN6A80V24-22	24ACB760A003 2 STAGE 17 SEER	CNPVP6124	5.0	1,990	260	CU -53,500	120,000	96%	115/120	1	13.7	20	208/230	1	37.3	60	1,2,3,4,5

NOTES:

1. PROVIDE SECONDARY DRAIN PAN WITH INTEGRAL WATER DETECTION SWITCH. UNIT SHALL SHUT DOWN WHEN WATER IS DETECTED IN SECONDARY DRAIN PAN.
2. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT, TXV, HIGH/LOW PRESSURE SAFETIES, LOW AMBIENT KIT, CRANKCASE HEATER, HARD START KIT AND ANY OTHER MANUFACTURER ACCESSORY RECOMMENDED OPTIONS.
3. VENT THROUGH SIDEWALL OR ROOF.
4. PROVIDE DEMAND CONTROL VENTILATION WITH SPACE OR DUCT MOUNTED CO2 SENSOR AND OUTSIDE AIR MOTOR OPERATED DAMPER TO OPEN ON CO2 RISE AND CLOSE WHEN NOT REQUIRED.
5. SYSTEM TO BE PROVIDED WITH ECONOMIZER WITH THE FOLLOWING COMPONENTS: EWC FRESH AIR CONTROL, EHC ENTHALPY CONTROL MODULE, 2/206 20x20 CONTROL DAMPERS W/ 24 VAC 2-POSITION SPRING RETURN BY LOUVERS & DAMPERS. PROVIDE AND INSTALL ALL CONTROLS, SENSOR WIRING AND COMPONENTS AND TEST FOR ACCURATE OPERATION.

TAG		SERVICE	MANUFACTURER	MODEL NO.		INDOOR UNIT TYPE	REFRIG.	EER / SEER	HSPF / COP	NOMINAL COOLING CAPACITY, BTU/H	NOMINAL HEATING CAPACITY, BTU/H	ELECTRICAL (OUTDOOR)				WEIGHT (LBS)	
INDOOR	OUTDOOR			INDOOR	OUTDOOR							VOLT	PHASE	MCA	MOP	INDOOR	OUTDOOR
MAH-1	MHP-1	SERVER	CARRIER	40MAQB09B-3	38MAQB12R-3	HIGH WALL	R-410A	14.5/25	11.2/8.3	9,000	10,900	208/230	1	9	15	30	100
MAH-2	MHP-2	EVIDENCE	CARRIER	40MBCQ12-3	38MAQB12R-3	CASSETTE	R-410A	12.5/19.5	10.6/3.67	12,000	12,000	208/230	1	9	15	40	100

NOTES:

1. OR APPROVED EQUAL. UNIT SHALL PROVIDE 100% HEAT CAPACITY AT 5°F AMBIENT.
2. MHP-1 SHALL INCLUDE A LAW AMBIENT KIT & ALL OTHER MANUFACTURER RECOMMENDED ACCESSORIES.
3. THE ABOVE EQUIPMENT IS THE BASIS OF DESIGN EQUAL ALTERNATIVES MUST MAY BE USED BUT APPROVED.
4. INTERLOCK MOD TO MAH-2 SO THAT DAMPER OPEN WHEN HEATING OR COOLING AND CLOSES WHEN THERE IS NO CALL FOR HEATING AND COOLING.

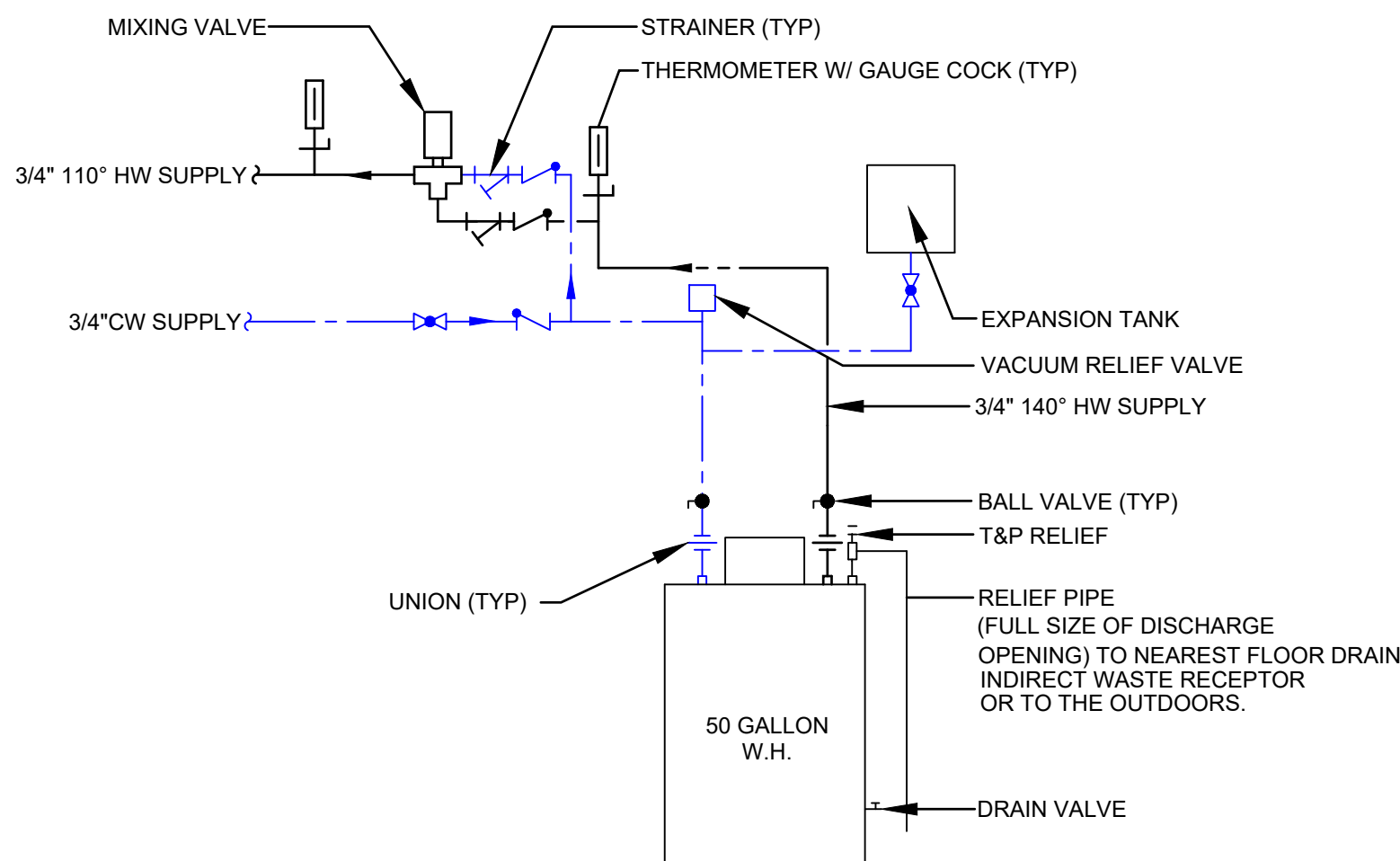
TAG	SERVICE	MANUFACTURER	MODEL NO.	OUTPUT HEATING	AIR VOLUME (CFM)	VOLTAGE	AMPS	GAS CAPACITY (MBH)		AHRI THERMAL EFFICIENCY %	WEIGHT (LBS)	NOTES
								INPUT	OUTPUT			
GUH-1	SALLY PORT	REZNOR	UDX30	24,600	456	115	1.9 (15 MAX)	30	24.6	82	60	1, 2

NOTES:
 1. WITH HONEYWELL T1 PRO TH1110D2009/U THERMOSTATS, PRESSURE REGULATORS AND CONVERSION KITS IF APPLICABLE.
 2. VENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE 2018 INTERNATIONAL FUEL GAS CODE.

Unit ID	Room Name	Area (ft ²) (A _r)	CFM/Person (R _p)	#/1000 ft ² (P _j)	Actual Population	CFM/ft ² (R _a)	Outdoor Air CFM(V _{oa})	Effective- ness (E _j)	Zone Outdoor Air Flow (V _{za})	Primary Airflow (V _{pa})	Primary OA Fraction (Z _p)	System Ventilation Eff. (E _s)	Min OA Intake Flow Rate (V _{oa})	Total Outside Air CFM	Exhaust CFM
GF-1	100 Entry	120	0	0	0	0	0	0.8	0	75	0%	1	0	195	
	110 Kitchenette	148	5	25	3	0.06	24	0.8	30	250	12%	1	30		
	107 Lounge	680	5	50	12	0.06	101	0.8	126	530	24%	0.91	138		
	106 Records	250	0	0	0	0.06	15	0.8	19	80	23%	0.92	20		
	108 Armory	85	0	0	0	0.06	5	0.8	6	50	13%	1	6		
	109 W Locker	125	0	0	0	0	0	0.8	0	100	0%	1	0		
	111 M Locker	227	0	0	0	0	0	0.8	0	75	0%	0.92	0		
GF-2	200 Vestibule	115	5	0	2	0.06	17	0.8	21	115	18%	0.97	22	258	
	201 Public Info	115	5	5	1	0.06	10	0.8	12	150	8%	1	12		
	217 Public RR	53	0	0	0	0	0	0.8	0	35	0%	1	0		
	207 Corridor A	360	0	0	0	0.06	22	0.8	27	180	15%	1	27		
	203 Interview	80	5	5	0	0.06	7	0.8	9	130	7%	1	9		
	213 Patrol	225	5	5	1	0.06	19	0.8	24	250	10%	1	24		
	215 Supervisor	75	5	5	0	0.06	6	0.8	8	70	11%	1	8		
	214 Staff RR	53	0	0	0	0	0	0.8	0	35	0%	1	0		
	204 Admin Assist	83	5	5	0	0.06	7	0.8	9	80	11%	1	9		
	205 Chief	136	5	5	1	0.06	12	0.8	14	190	8%	1	14		
	206 Conference	125	5	50	6	0.06	39	0.8	48	160	30%	0.75	65		
	210 Juvenile Holding	39	5	50	2	0.06	12	0.8	15	50	30%	0.75	20		
	209 Detective	94	5	5	0	0.06	8	0.8	10	185	5%	1	10		
	211 Booking	365	5	5	2	0.06	31	0.8	39	360	11%	1	39		

1. IT IS THE INTENTION OF THE DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT INDICATED ON THE DRAWINGS OR ON INCIDENTAL ACCESSORIES REQUIRED TO MAKE THE WORK COMPLETE TO ALL RESPECTS AND READY FOR OPERATION SHALL BE FURNISHED, DELIVERED AND INSTALLED WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.
2. EACH CONTRACTOR SHALL PROVIDE OPENINGS THROUGH THE CONSTRUCTION AND SLEEVES AS REQUIRED FOR CONTRACTORS WORK. ANY PIPING OR CONDUIT PASSING THROUGH MASONRY OR CONCRETE WALLS OR FLOORS SHALL BE PROVIDED WITH SLEEVES AS PER SPECIFICATIONS. FILL THE ANNULAR VOIDS AS PER THE SPECIFICATIONS.
3. TAKE PRECAUTION AGAINST DAMAGE TO ANY EXISTING UTILITIES, AND CONSTRUCTION NOT INCLUDED WITHIN THE SCOPE OF WORK.
4. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE VARIOUS SYSTEMS AND WORK INDICATED IN THE CONTRACT. THE RIGHT IS RESERVED TO MAKE MINOR CHANGES IN LOCATIONS UP TO THE POINT OF ROUGH-IN WITHOUT ADDITIONAL CHARGE TO THE OWNER OR SCHEDULE EXTENSION.
5. ALL WORK DESCRIBED IN THESE DOCUMENTS SHALL COMPLY WITH ALL RELEVANT CODES.
6. MAINTAIN THE INTEGRITY OF ALL EXISTING PIPING SYSTEMS. PRIOR TO CONNECTING NEW WORK TO ANY EXISTING SYSTEM, CONFIRM SYSTEM IDENTIFICATION AND DIRECTION OF FLOW. VERIFY THAT EXISTING PIPING IDENTIFICATION LABELS ARE CORRECT, AND PROVIDE ALL INSTALLATION REQUIREMENTS FOR PROPER CONNECTION TO THE EXISTING SYSTEM.
7. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
8. PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATIONS, SIZE, DEPTH AND LOCATION OF ALL EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. WORK BACK TOWARD FIXTURE FROM UTILITY CONNECTION FOR ALL PIPING SYSTEMS.
9. PROVIDE THREE (3) ELBOW SWING JOINTS FOR ALL HOT WATER BRANCH CONNECTIONS TO THE MAIN.
10. INSTALL ALL SHOCK ABSORBERS IN ACCORDANCE WITH THE LATEST "PLUMBING AND DRAINAGE INSTITUTE" STANDARDS FOR WATER HAMMER ARRESTORS.
11. LOCATE ACCESS PANELS IN NON ACCESSIBLE CEILINGS AND WALLS FOR ALL VALVES, SHOCK ABSORBERS, CLEANOUTS AND ALL OTHER ITEMS THAT REQUIRE ACCESS TO PROPERLY MAINTAIN OR SERVICE THE BUILDING. COORDINATE ALL FINAL LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION FAILURE TO DO SO MAY CAUSE A RELOCATION OF FIXTURE AND ACCESS PANELS WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.
12. ALL SUPPLY PIPING GREATER THEN 3/4" SHALL BE CPVC TYPE. ALL SUPPLY PIPING 3/4" AND SMALLER SHALL BE CPVC OR PEX TYPE.
13. COORDINATE ALL SANITARY AND VENT PIPING WITH MECHANICAL DUCTWORK AND ELECTRICAL LIGHTING.
14. ALL SANITARY PIPING SHALL BE PVC, 3" OR LARGER TO SLOPE AT 1/8" PER FOOT MINIMUM, PIPING SMALLER TO SLOPE AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED.
15. ALL SANITARY PIPING TO RUN BELOW FLOOR, ALL VENT PIPING TO RUN ABOVE CEILING UNLESS OTHERWISE NOTED.
16. ALL PIPE PENETRATIONS TO HAVE FIRE RATED SLEEVE AND PACKAGING.
17. MINIMUM INVERT FOR SANITARY STACKS BELOW FIRST FLOOR TO BE 1'-6" UNLESS OTHERWISE NOTED.
18. FOR TRAP PRIMING OF ALL FLOOR DRAINS, PROVIDE PROSET SYSTEMS INC, TRAP GUARD, AS AN ADDED ALTERNATE, TO PROSET, ZURN TRAP PRIMER 2-1022, OR SIMILAR PRODUCT MAY BE SPECIFIED.
19. PROVIDE ACCESSIBLE CLEANOUTS AT THE BASE OF ALL SANITARY STACKS.
20. PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH WORK OF ALL OTHER CONTRACTORS PRIOR TO START OF PLUMBING SYSTEM INSTALLATION.
21. FOR MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES, SEE ARCHITECTURAL DRAWINGS.
22. INSULATE CPVC COLD WATER MAINS AND RISERS WITH 1/2" FIBERGLASS INSULATION. INSULATE CPVC HOT WATER MAINS AND RISERS WITH 1" FIBERGLASS INSULATION.
23. ALL SHUT-OFFS VALVES TO BE OPEN PORT VALVES PER IPC 601.1.
24. WATER TEMPERATURE AT PUBLIC HAND WASHING FACILITIES SHALL BE CONTROLLED BY AN ASSE 1070 MIXING VALVE.
25. SEE PLUMBING SCHEDULES FOR CONNECTION SIZES AND LOADS.
26. VERIFY GAS PRESSURE AND BTU/H AVAILABLE. SIZING BASED ON LOW PRESSURE AT BUILDING. PROVIDE DIRT LEGS, SHUTOFF VALVES AND GAS REGULATOR AT EACH GAS APPLIANCE. GAS PIPING SHALL BE THREADED SCH 40 BLACK IRON.
27. NEW GAS LINES WITHIN THE BUILDING TO BE LABELED AS GAS PIPING.
28. GAS PIPING INSTALLED OUTSIDE THE BUILDING ABOVE GROUND SHALL BE SECURELY SUPPORTED AND PROTECTED FROM PHYSICAL DAMAGE.
29. METALLIC GAS PIPING OUTSIDE THE BUILDING SHALL BE COATED WITH A PROTECTIVE COATING TO PROTECT THE MATERIAL FOR CORROSION.
30. 3/2" & LARGER BLACK IRON GAS LINES SHALL BE SUPPORTED EVERY 8'-0". 3" & LARGER GAS LINES SHALL BE SUPPORTED EVERY 6'-0".
31. GAS PIPING MUST BE TESTED IN THE PRESENCE OF A CODE OFFICIAL. THE SYSTEM SHALL BE TESTED AT 1-1/2 TIMES THE WORKING PRESSURE BUT NOT LESS THAN 3 PSI FOR THE PERIOD OF 10 MINUTES.

G.C.	GENERAL CONTRACTOR	•	FLOOR DRAIN
P.C.	PLUMBING CONTRACTOR	•	BALL VALVE
H.V.A.C.	HVAC CONTRACTOR	•	FLOOR CLEAN OUT
E.C.	ELECTRICAL CONTRACTOR	•	WALL CLEAN OUT
A.F.F.	ABOVE FINISHED FLOOR	•	FIXTURE STOP
B.V.	BELOW FLOOR	•	THRU WALL
W.V.	WALL VENT	•	VENT THRU ROOF
CDV	COMB. DRAIN & VENT	•	WATER METER
		•	GAS METER
W.O.R. ---	WASTE OR SANITARY PIPING	•	HOSE BIB
P. ---	PENT PIPING	•	POINT OF CONTACT
CW ---	COLD WATER PIPING	•	GAS VALVE
HW ---	HOT WATER PIPING		
G ---	GAS PIPING		



FROM SYSTEM

GAS COCK

DIRT LEG

GAS PRESSURE REGULATOR
ONLY SUPPLY IF APPLICABLE

TO APPLIANCE

UNION

GAS PIPING TO GAS APPLIANCE

SCALE: NOT TO SCALE

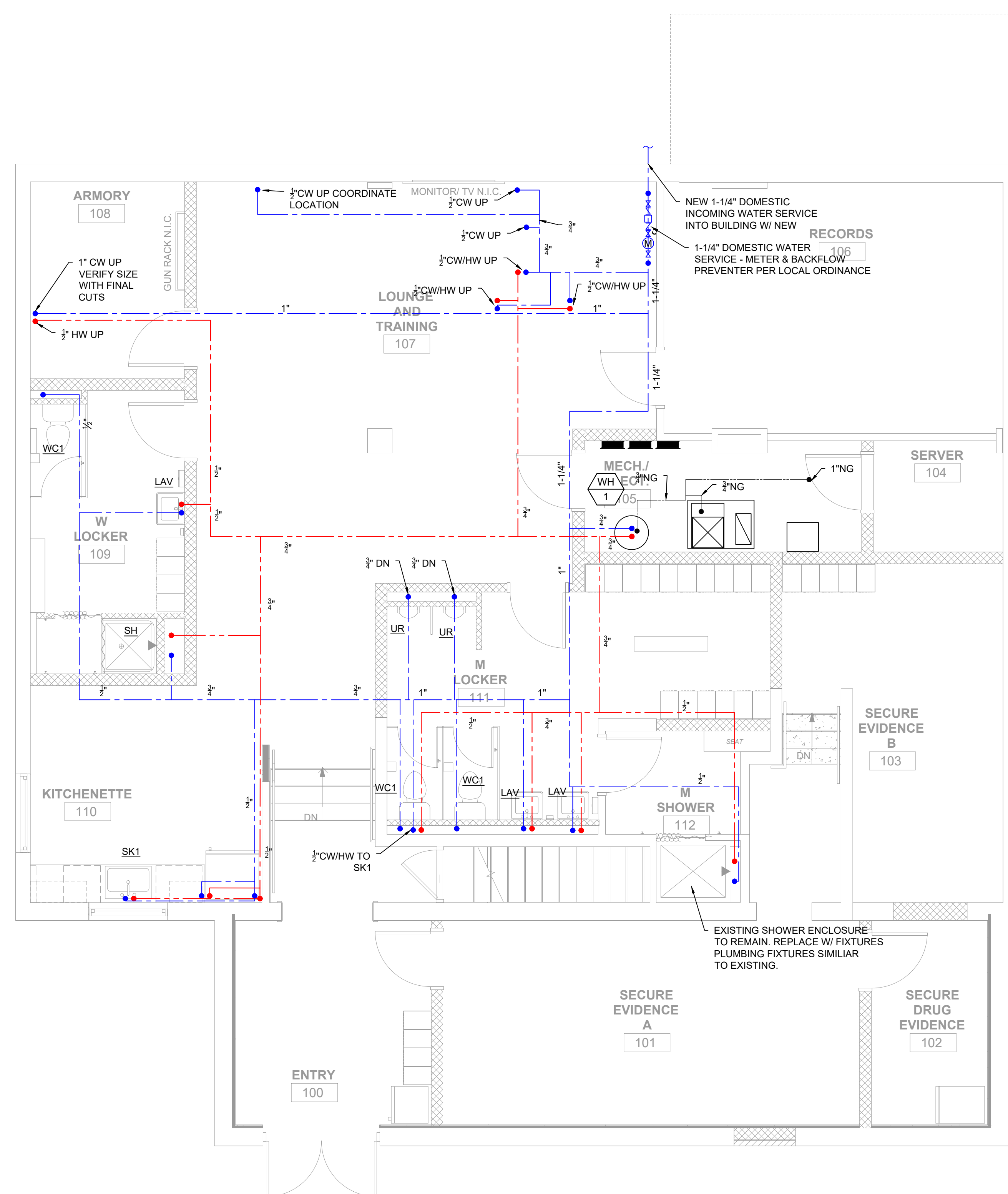
WAG	QNTY	DESCRIPTION	MANUF.	MODEL	SAN.	VENT	CW	HW	NOTES
WC1	3	FLOOR MOUNT TOILET	KOHLER	K-3493-S	3"	2"	3"	-	PRESSURE ASSIST, PROVIDE WITH SEAT
WC2	2	FLOOR MOUNT TOILET (ADA)	KOHLER	K-3493-S	3"	2"	3"	-	PRESSURE ASSIST, ADA, PROVIDE WITH SEAT
UR	2	WALL MOUNTED URINAL 3/4 TOP SPUD	KOHLER	K-4991-ET-0	2"	2"	2"	-	PROVIDE W/ SLOAN 3082675 166-1X1 URINAL FLUSH VALVE OR EQUAL
LAV	5	LAVATORY WALL HUNG (ADA)	KOHLER	K-2005-0	1-1/2"	1-1/2"	3"	3"	ADA WALL HUNG
SK1	2	DROP IN SINK - STAINLESS STEEL	ELKAY	DLR312210PD	1 1/2"	1 1/2"	2"	2"	PROVIDE W/ ELKAY MODEL LKGT1041 FAUCET
MS	1	MOP SINK	FIAT	SB3624	2"	2"	2"	3"	36"x24" MOP BASIN PROVIDE W/ HD 830AA SERVICE FAUCET
SH	1	SHOWER - ONE PIECE ACRYLIC ALCOVE	CLARION	RE5636	2"	2"	-	-	3'x3' SHOWER VEITY DIMENSIONS. PROVIDE W/ KOHLER SHOWER TRIM AND FIXTURES
FD	8	FLOOR DRAIN	SIUOX CHIEF	842-2PNR	2"	3"	-	-	W/ TRAP GRAD TRAP SEAL
CO	2	FLOOR CLEAN OUT	SIUOX CHIEF	834-4PNR	4"	-	-	-	-
HB	1	FROSTFREE HOSE BIBBS	WOODFORD	19	-	-	3"	-	VEITY LOCATIONS WITH OWNER
WH	1	GAS WATER HEATER - 115V 1 PH 60 MBH	BROADFORD WHITE	LG2PDDV50H603N		1"	1"		GAL W/ FLEXCON PH EXPANSION TANK & WATTS MMV TEMPERING VALVE

NOTES:

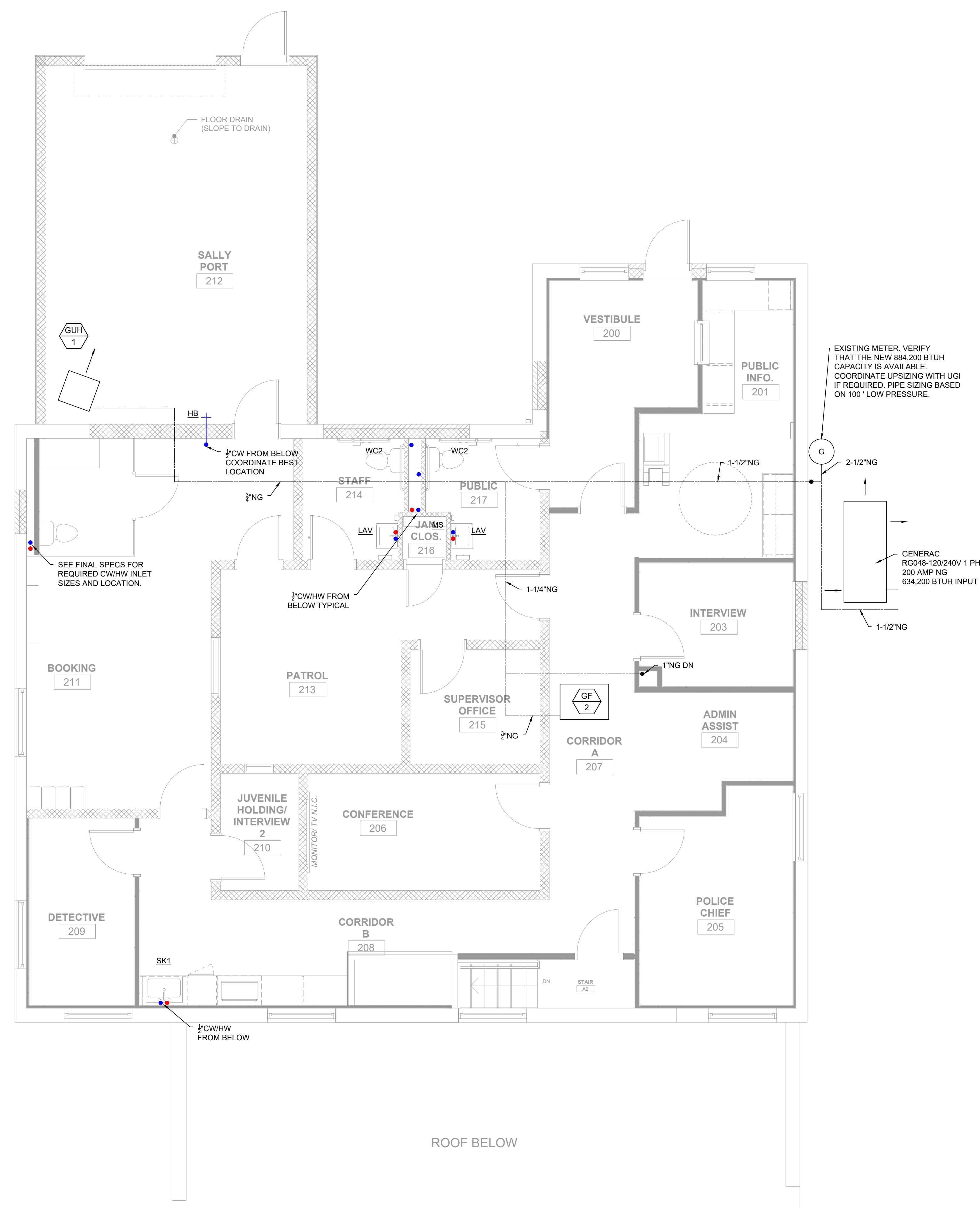
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT OF ALL FIXTURES AND LOCATIONS OF ADA FIXTURES. AN APPROVED EQUAL MAY BE USED FOR ALL FIXTURES SPECIFIED OR QUALIFIED IN BID.
2. CONTRACTOR SHALL PROVIDE AND INSTALL VALVES, ZERN, P.P.P IN (OR EQUAL) TRAP SEALS TO SERVE ALL FLOOR DRAINS REQUIRING PROTECTION PER CODE.
3. LAVATORY & KITCHEN SINKS ARE TO BE PROVIDED WITH ASSE 1070 RATED MIXING VALVES TO LIMIT WATER TEMP TO 110 DEGREES.
4. FLOOR DRAINS SHALL PROVIDE 1/2" OR 3/4" DRAIN SLIPS TO SERVE ALL FLOOR DRAINS. 1/2" OR 3/4" DRAIN SLIPS, PLASTIC FRAME, SILICONE RUBBER SEALING FLAPPER AND FOUR (4) 1/2" OR 3/4" DRAIN SLIPS TO SERVE ALL FLOOR DRAINS.
5. FLEXIBLE SEALING RUBBER, TESTED AND CERTIFIED TO THE ASSE 1070 STANDARD AND LISTED WITH IAPMO AND I.C.C. SPECIFY CONNECTION SIZE, OR APPROVED EQUAL.
6. PLUMBING CONTRACTOR SHALL REVIEW AND COORDINATE PLUMBING FIXTURES AND CONNECTION SIZES AND MAKE ANY NECESSARY CHANGES. PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING ARE FIXTURES AND THEIR CONNECTION SIZES.
7. SUBMIT PLUMBING FIXTURE CUTS TO THE OWNER FOR REVIEW AND APPROVAL BEFORE ORDERING ANY FIXTURES. FIXTURES LISTED ARE PLACE HOLDERS AND NOT FINAL SELECTIONS.
8. VERIFY PLUMBING FIXTURE QUANTITIES.

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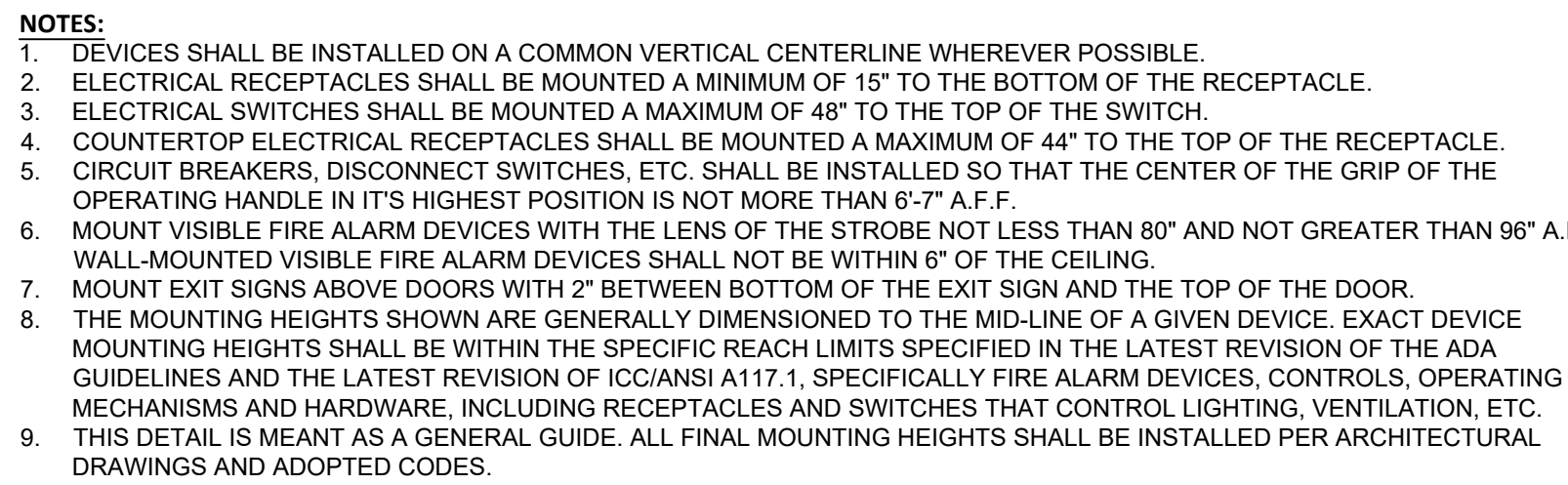


LOWER LEVEL - DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"

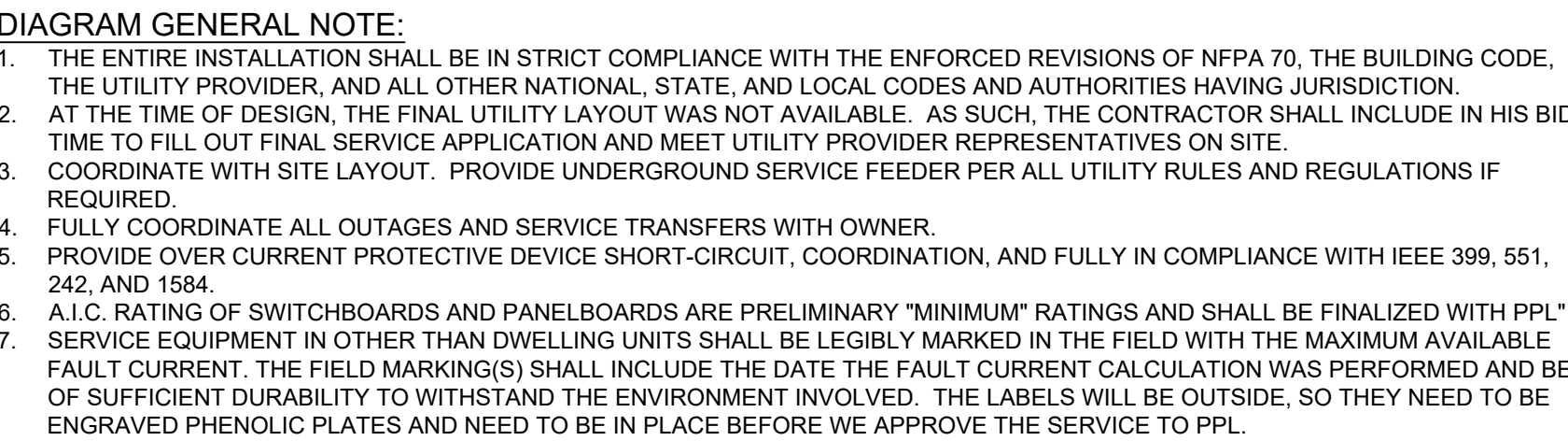


UPPER LEVEL - DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"

1. THE ENTIRE INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE ENFORCED REVISIONS OF IBC 2021, NEC 2020 EDITION, NFPA 70, NEMA, UL LISTINGS, MANUFACTURER'S RECOMMENDATIONS, THE NATIONAL BOARD OF UNDERWRITERS, STATE CODES, LOCAL CODES, AND ALL AUTHORITIES HAVING JURISDICTION.
2. ALL MATERIAL AND EQUIPMENT SHALL BE LISTED AND LABELED FOR THE APPLICATION BY UNDERWRITERS LABORATORIES AND INSTALLED ACCORDING TO ITS LISTING.
3. ALL DEVICES SHOWN ON DRAWINGS ARE DIAGRAMMATIC IN LOCATION AND SHOWN TO INDICATE THE EXTENT, GENERAL CHARACTER, AND GENERAL WIRING REQUIREMENTS ONLY.
4. THE TERM "FURNISH" SHALL MEAN TO OBTAIN AND SUPPLY TO THE JOB SITE. THE TERM "INSTALL" SHALL MEAN TO FIX IN POSITION AND CONNECT TO THE SYSTEM TO BE PROVIDED. "FURNISH AND INSTALL" SHALL MEAN TO "FURNISH" SHALL MEAN ALL LABOR, MATERIAL, EQUIPMENT, SCAFFOLDING, RIGGING, TOOLS, SUPERVISION, SERVICES, SETUP, PROGRAMMING, AND OTHER INCIDENTALS NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
5. THE CONTRACTOR SHALL PROVIDE ALL WORK REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION OF THE ELECTRICAL SYSTEMS AS INDICATED OR IMPLIED BY THE DESIGN DOCUMENTS.
6. THE CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS (DRAWINGS, SPECIFICATIONS, EQUIPMENT CUT SHEETS, ETC.) FOR ALL TRADES AND PROVIDE ALL ELECTRICAL WORK REQUIRED FOR COMPLETE AND OPERABLE INSTALLATION.
7. THE CONTRACTOR SHALL COORDINATE ALL WORK, ELECTRICAL REQUIREMENTS, AND THE ACTUAL LOCATIONS OF ALL EQUIPMENT, CASEWORK, DEVICES, FIXTURES, SWITCHES, SENSORS, ETC., WITH ALL CONTRACTORS PRIOR TO PROVIDING PRICING AND PERFORMING ANY ROUGH-IN WORK.
8. THE CONTRACTOR IS HEREBY CAUTIONED THAT THE ELECTRICAL POWER CHARACTERISTICS (VOLTAGE, PHASE, HORSEPOWER, AMPERAGE, ETC.) OF EQUIPMENT ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF PROJECT DESIGN. CONTRACTOR SHALL VERIFY ACTUAL CHARACTERISTICS FOR EACH PIECE OF EQUIPMENT TO BE INSTALLED PRIOR TO ORDERING EQUIPMENT OR PERFORMING ANY ROUGH-IN WORK.
9. DEVICES INDICATED TO BE INSTALLED IN THE SAME LOCATIONS WITH DIFFERENT ELEVATIONS SHALL BE ALIGNED VERTICALLY AND HORIZONTALLY. FOR ALL MOUNTING HEIGHTS AND LOCATIONS (SWITCHES, OUTLETS, FIRE ALARM AUDIBLE AND VISUAL DEVICES, FIRE ALARM PULL STATIONS, SECURITY DEVICES, CARD READERS, SENSORS, ETC.), REFER TO THE ARCHITECTURAL DRAWINGS
10. ADJUSTMENTS TO WIRING DEVICES TO AVOID STRUCTURAL OR OTHER INTERFERENCES AS WELL AS WORK INDICATED WITH MINOR DETAILS OMITTED SHALL BE PROVIDED WITHOUT EXTRA COST.
11. ANY CHANGES AND/OR MODIFICATIONS MUST BE REVIEWED AND APPROVED BY THE DESIGN PROFESSIONAL AND/OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
12. REMOVE ALL TRASH, DEBRIS, AND DEMOLITION MATERIAL FROM THE PREMISES AT THE END OF EACH WORK DAY.
13. ELECTRICAL PANELS SHALL BE LABELED WITH ENGRAVED PLASTIC TAGS MOUNTED ON THE OUTSIDE OF THE EQUIPMENT AND BEARING THE VOLTAGE AND DESIGNATION OF THE EQUIPMENT.
14. PROVIDE ALL PANELBOARD SCHEDULES IN AN EDITABLE ELECTRONIC FORMAT (MS WORD OR EXCEL). LABELS SHALL BE SPECIFIC TO THE AREA, USE BUILDING CODES, ROOM NAMES, ETC. FOR A MORE ACCURATE LOCATION.
15. IN THE EVENT THAT LOCAL EQUIPMENT DISCONNECTS CANNOT BE LOCATED SUCH THAT WORKING CLEARANCES ARE MAINTAINED, THE NEXT UPSTREAM OVERCURRENT DEVICE SHALL BE INDIVIDUALLY CAPABLE OF BEING LOCKED IN THE OPEN POSITION IN ACCORDANCE WITH NEC 400.14 AND 430.102.
16. ALL FIRE/SMOKE RATINGS SHALL BE MAINTAINED. APPLY FIRESTOPPING AND SEALANT AS REQUIRED.
17. PROVIDE ALL WORK REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION OF THE FIRE ALARM, SECURITY, AND ANY OTHER SPECIAL SYSTEMS. COORDINATE EXACT REQUIREMENTS WITH OWNER'S VENDORS.
18. WHERE NO CIRCUIT IS DESIGNATED FOR A DEVICE (INCLUDING EQUIPMENT NOT SHOWN ON DRAWINGS), THE E.C. SHALL CIRCUIT TO THE NEAREST AVAILABLE PANEL WITH CONDUCTOR, RACEWAY, AND BREAKER SIZED PER THE LATEST ADOPTED REVISION OF THE NEC.
19. ALL WIRE AND CONDUIT SHALL BE CONCEALED IN WALLS, CEILING PLenums, BULKHEADS AND IN ROOF STRUCTURAL AREAS, U/L OR THE E.C. SHALL COORDINATE FULLY WITH ALL OTHER TRADES TO INSTALL ALL CONDUIT AND WIRING IN THESE ASSOCIATED STRUCTURES. ANY OTHER MEANS OF PATHWAY SUGGESTED MUST FIRST BE APPROVED FROM THE DESIGN PROFESSIONAL BEFORE INSTALLATION CAN PROCEED. NC CABLE MAY BE EXPOSED IN ELECTRICAL ROOM
20. NOTHING IN THESE DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUED TO CONSTRUCT WORK NOT CONFORMING TO GOVERNING CODES. THIS SHALL NOT BE CONSTRUED AS TO RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY REQUIREMENTS OF THE PLANS OR SPECIFICATIONS WHICH MAY BE IN EXCESS OF REQUIREMENTS HEREIN BEFORE MENTIONED GOVERNING CODES AND RULES AND NOT CONTRARY TO THE SAME.
21. THE ELECTRICAL DESIGN IS BASED UPON TYPICAL COMMERCIAL MANUFACTURED ITEM(S) AND/OR COMPONENT(S). THE CONTRACTOR SHALL COORDINATE THE FINAL EQUIPMENT INSTALLATION WITH ACTUAL EQUIPMENT FURNISHED.
22. WIRING METHOD: UTILIZE MC IN INTERIOR SPACES WHERE CONCEALED, EMT WHERE EXPOSED, AND PVC UNDERGROUND MC CABLE MAY BE EXPOSED IN ELECTRICAL ROOM.
23. CONDUCTORS: COPPER CONDUCTORS SHALL BE TYPE THHN/THWN; ALUMINUM CONDUCTORS SHALL BE XHHW. CONDUCTORS SHALL BE SIZED PER NEC 310-15A AND 310-16.
24. STARTERS, CONTROLS AND REMOTE SWITCHES SHOWN FOR EQUIPMENT FURNISHED BY OTHER CONTRACTORS WILL BE PROVIDED WITH THE RESPECTIVE EQUIPMENT, BUT SHALL BE CONNECTED BY THE ELECTRICAL CONTRACTOR.
25. FIXTURES SHALL GENERALLY BE INSTALLED IN THE CENTER OF THE CEILING PANEL OR INTERSECTIONS OF JOINTS IN A MANNER THAT IS APPROVED BY THE ARCHITECT.
26. THE ELECTRICAL CONTRACTOR SHALL CHECK ARCHITECTURAL DRAWINGS FOR DOOR SWINGS TO VERIFY THE LOCATION OF DOOR SWITCHES ON THE STRIKE SIDE OF THE DOOR
27. THE ELECTRICAL CONTRACTOR SHALL INSTALL A COMPLETE GROUNDING AND BONDING SYSTEM AS REQUIRED BY THE NEC AND THE UTILITY COMPANY INCLUDING EQUIPMENT GROUNDS. THIS SHALL INCLUDE GROUNDING THE WATER METER, FUEL GAS PIPING AND SPRINKLER PIPING (AS APPLICABLE).
28. GROUNDING ELECTRODES: COPPER-CLAD STEEL GROUND RODS; 3/4 INCH BY 10 FEET AND UL LISTED CLAMPS.
29. THE ELECTRICAL DESIGN SHALL COMPLY WITH THE AIC REQUIREMENTS OF THE POWER COMPANY.
30. PROVIDE PROPER CLEARANCES FOR ELECTRICAL PANELS AS PER NEC 110.26(F)
31. ALL ELECTRICAL EQUIPMENT AMPERAGE TO BE CHECKED AND DETERMINED BY ELECTRICAL CONTRACTOR.
32. ALL FIXTURE TYPES AND LOCATIONS TO BE VERIFIED BY ELECTRICAL CONTRACTOR.
33. EMERGENCY LIGHTING TO BE CONNECTED TO LOCAL LIGHTING CIRCUIT.
34. ALL EQUIPMENT AND ELECTRICAL MATERIALS USED TO CONNECT THE EQUIPMENT, WHERE POSSIBLE, TO BE LISTED BY A RECOGNIZED TESTING AGENCY SUCH AS UL.
35. PVC CONDUIT SHALL BE RIGID NON-METALLIC SCHEDULE 40 ELECTRICAL CONDUIT. UNDERGROUND PVC : ELECTRICAL GRADE SCHEDULE 40 HEAVY WALL TYPE



SCALE: N.T.S



SCALE: N.T.S.

- ▼ TELEPHONE OUTLET
- ▼ COMBINATION TELEPHONE/ DATA OUTLET
- ▽ DATA OUTLET
- ⊗ CEILING DATA OUTLET

[illegible]

PANEL - P1																		
RATING:		TYPE:		PHASE/ WIRE:				VOLTAGE:				MOUNT:			A.I.C.			
200 AMP		MB		1 / 3				120/240		SURFACE			10,000					
CIR. NO.	AREA SERVED	QUANTITY			TRIP AMPS	AWG	NO. POLES	1 / 3	NO. POLES	AWG	TRIP AMPS	QUANTITY			NO.	AREA SERVED	CIR. NO.	
		LTG	REC	MISC								LTG	REC	MISC				
1	POWER, CU-1				1	35	#8	2	1821	3375				1	POWER, CU-2	2		
3									1821	3375						4		
5	POWER, MHP-1			1	15	#14	2		828	828	2	#14	15	1	POWER, MHP-2	6		
7									828	828						8		
9	POWER, GF-1			1	20	#12	1	1315	1315					1	POWER, GF-2	10		
11	POWER, GUN-1			1	15	#14	1				1	#12	20	1	POWER, EWH-1	12		
13	POWER, EWH-2			1	20	#12	1	1000	1000	218	1000	1	#12	20	1	POWER, EWH-3	14	
15	RECEPTS, ENTRY / EVIDENCE A			8					1440	1440	1	#12	20	8	RECEPTS, DRUG EVIDENCE / EVIDENCE B	16		
17	RECEPTS, RECORDS			6	20	#12	1	1080	1260			1	#12	20	7	RECEPTS, LOUNGE AND TRAINING	18	
19	RECEPTS, ARMORY / KITCHENETTE			6	20	#12	1			1080	180	1	#12	20	1	KITCHEN CNTR. RECEPT. 1	20	
21	KITCHEN CNTR. RECEPT. 2			1	20	#12	1	180	600			1	#12	20	1	RECEPT, REFRIG.	22	
23	RECEPTS, SERVER ROOM			2	20	#12	1			360	680	1	#12	20	1	POWER, D-1	24	
25	POWER, D-2				1	20	#12	1	580	180			1	#12	20	1	RECEPT, WATER HEATER	26
27	LIGHTING FIRST FLOOR	40			20	#12	1			1527	1376	1	#12	20	45	LIGHTING SECOND FLOOR	28	
29	RECEPTS, BOOKING			6	20	#12	1	1080	720			1	#12	20	4	RECEPTS, DETECTIVE	30	
31	RECEPTS, PATROL / SUPERVISOR			8	20	#12	1			1440	1440	1	#12	20	8	RECEPTS, VESTIBULE / PUBLIC INFO	32	
33	RECEPTS, CONFERENCE			7	20	#12	1	1260	720			1	#12	20	4	RECEPTS, RR. / CORRIDOR	34	
35	RECEPTS, ADMEN / POLICE CHIEF			7	20	#12	1			1260	360	1	#12	20	2	EXTERIOR RECEPTS.	36	
37	RECEPT, COPIER			1	20	#12	1	600	386			1	#12	20	9	EXTERIOR LIGHTING	38	
39	RECEPT, CORRIDOR B REFRIG.			1	20	#12	1			600	1200	1	#12	20	1	RECEPT, CORRIDOR B MICROWAVE	40	
41	RECEPT, CORRIDOR B COUNTER			1	20	#12	1	180	600			1	#12	20	1	POWER, OVERHEAD DOOR	42	
43	BLANK									0	0					BLANK	44	
45	BLANK															BLANK	46	
47	BLANK									0	0					BLANK	48	
49	BLANK															BLANK	50	
51	BLANK									0	0					BLANK	52	
53	BLANK															BLANK	54	
TOTAL A PHASE		20908				SUB TOTAL		9924	10984	10574	11879	SUB TOTAL						
TOTAL B PHASE		22453																
TOTAL LOAD		43361		180.7														

ISSUE DATE: 08/28/24

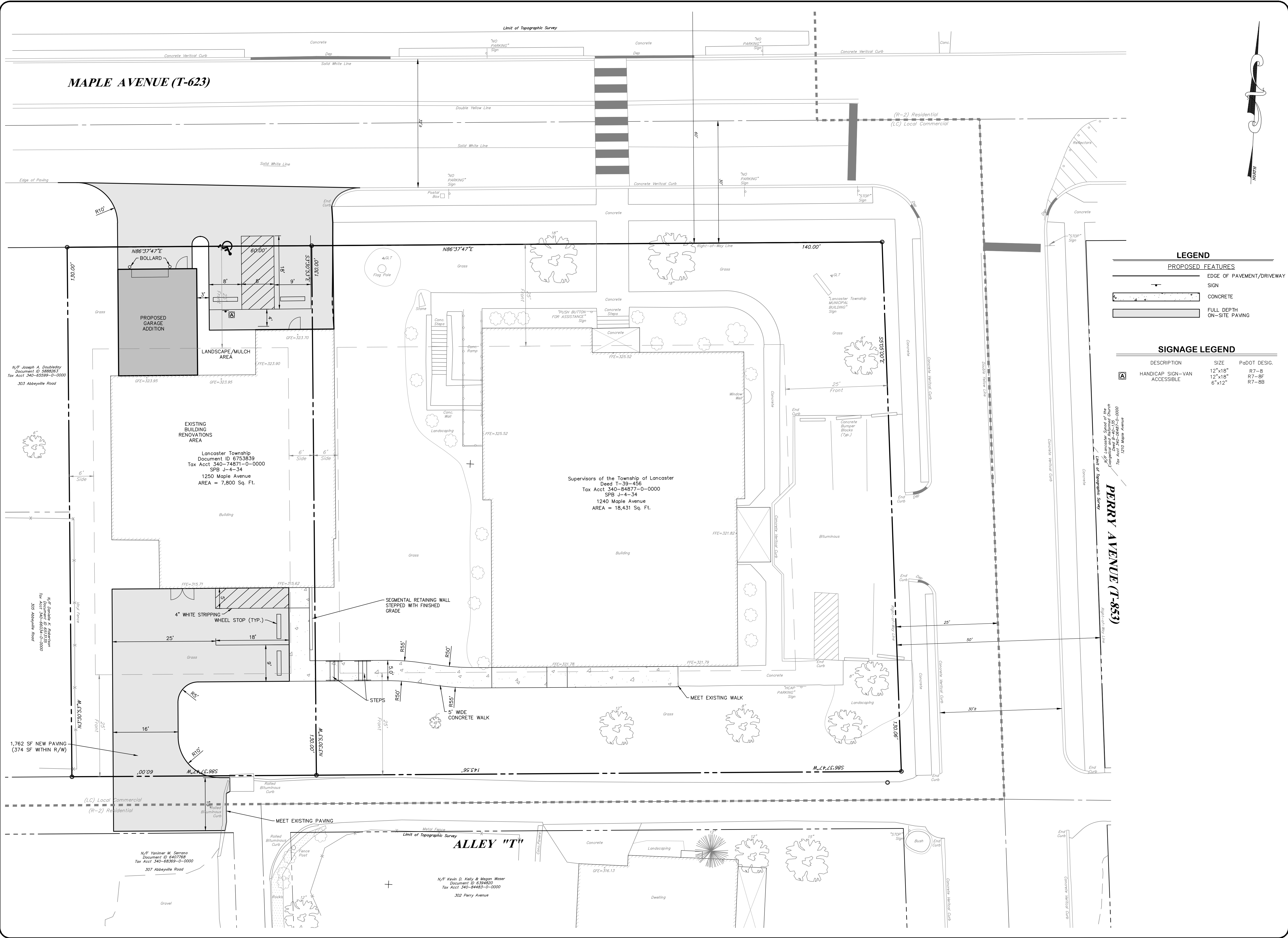
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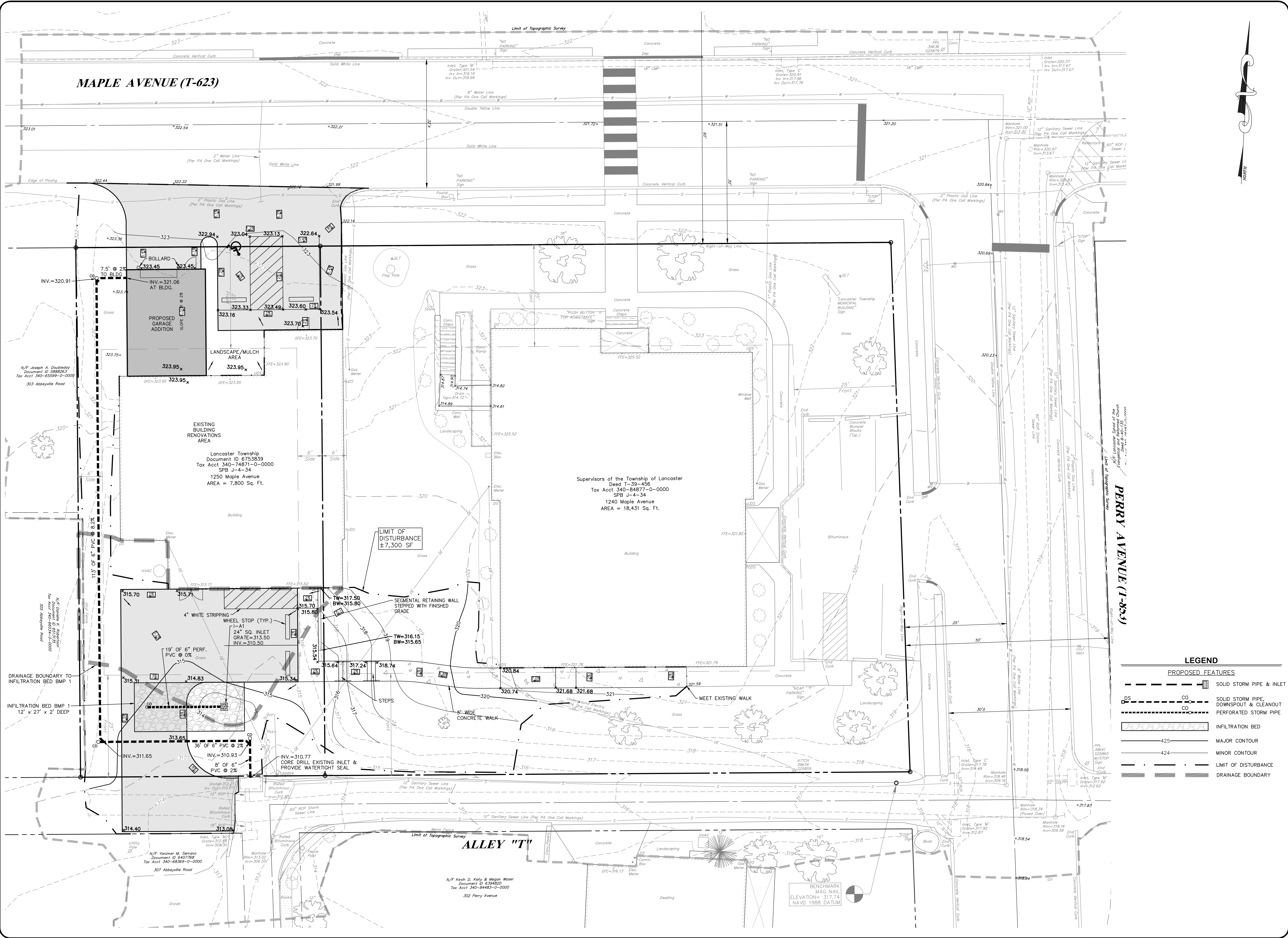
PROJECT NUMBER: 2024-03
SCALE: AS NOTED
DRAWN BY: DTP
REV BY: DTP
SHEET NUMBER: ELECTRICAL COVER SHEET

E0.1









HARBOR

ENGINEERING

HARBOR ENGINEERING, INC.

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OWNER

LANCASTER TOWNSHIP

1240 MAPLE AVENUE

LANCASTER, PA 17603

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PROJECT TITLE

SITE PLAN

FOR

LANCASTER TOWNSHIP

POLICE STATION

LANCASTER TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

SHEET TITLE

PCSM

PLAN

DRAWN BY:

BRK

CHECKED BY:

SPG

DATE:

AUGUST 27, 2024

PROJECT NO.:

24426-036

SHEET:

3

OF

6

LEGEND

PROPOSED FEATURES

DS

SOLID STORM PIPE & INLET

CO

SOLID STORM PIPE, DOWNSPOUT & CLEANOUT

CO

PERFORATED STORM PIPE

IN

INFILTRATION BED

425

MAJOR CONTOUR

424

MINOR CONTOUR

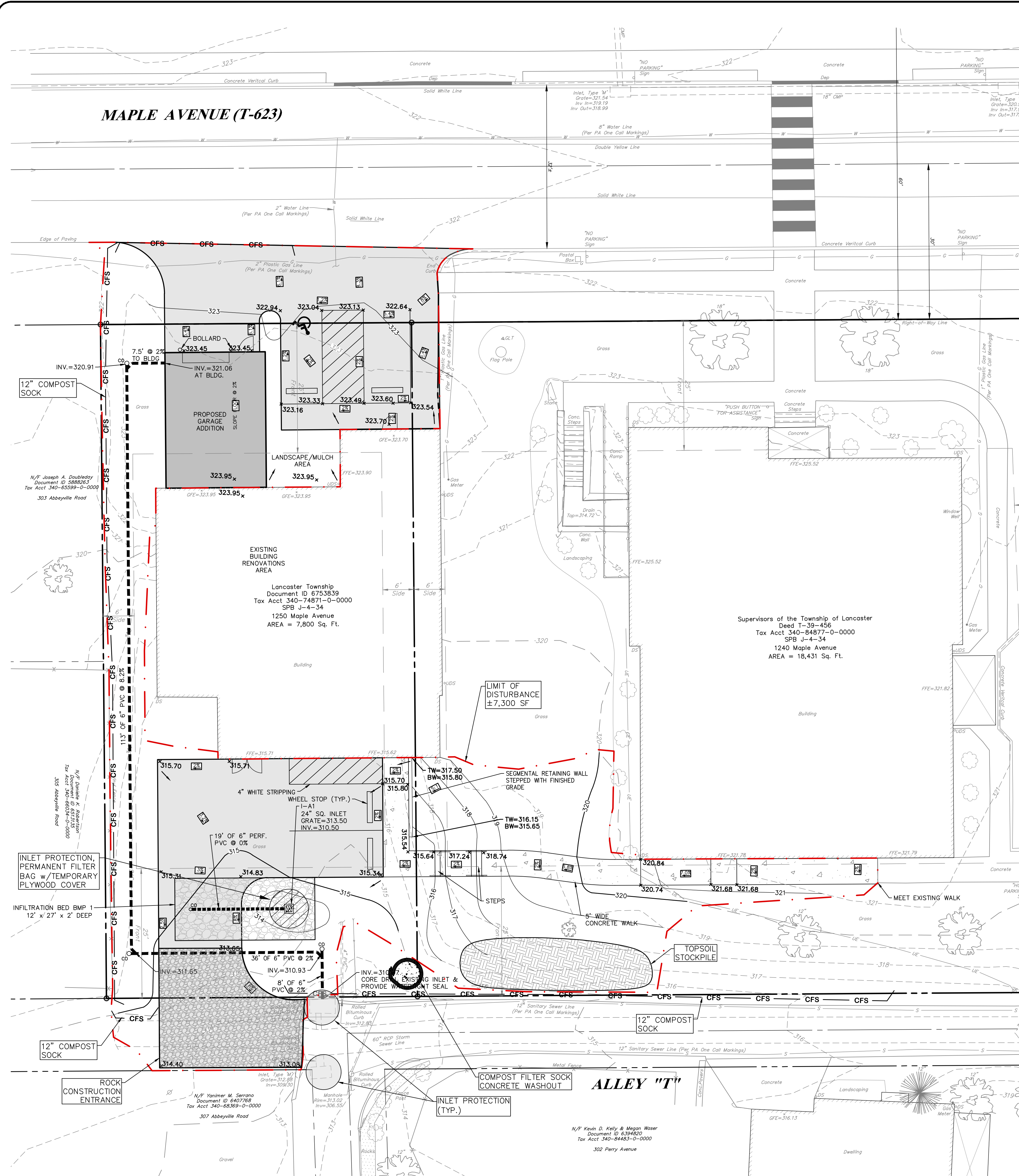
LD

LIMIT OF DISTURBANCE

DB

DRAINAGE BOUNDARY

V:\HARBOR-F51\Share\Projects\24426-037 - LANCASTER TWP BLDG\CADD\SITE PLAN.dwg 03-PCSM, 8/27/2024 2:14:01 PM



CONTRACTOR NOTE:

PROPOSED INFILTRATION FACILITIES RELY ON PERMEABLE SOIL CONDITIONS TO DENATURE AND FUNCTION PROPERLY. AS PART OF THE DESIGN PROCESS, SOIL, GEOLOGIC AND/OR INFILTRATION TESTING WAS CONDUCTED BY A QUALIFIED PROFESSIONAL, SOIL SCIENTIST OR LICENSED GEOLOGIST TO ASSURE THAT CONDITIONS WERE CONDUCTIVE TO UTILIZE THIS TYPE OF FACILITY FOR STORM WATER MANAGEMENT CONTROL. EVERY PRECAUTION MUST BE MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THE INFILTRATION FACILITIES TO ASSURE THAT COMPACTION DOES NOT OCCUR WHICH WOULD COMPROMISE THE PERMEABILITY OF THE FLOOR OF THE INFILTRATION FACILITIES. IF AFTER INSTALLATION, ANY INFILTRATION FACILITY DOES NOT FUNCTION AS DESIGNED, AND THE CAUSE IS DETERMINED, BY A QUALIFIED PROFESSIONAL, TO BE INCORRECT CONSTRUCTION OR COMPACTION DURING CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE TO PERFORM REMEDIATION, OUTLINED BY THE QUALIFIED PROFESSIONAL, TO RESTORE PRE-CONSTRUCTION PERMEABILITY.

E & S NOTES:

1. EARTH DISTURBANCE ACTIVITY INVOLVING EQUAL TO OR GREATER THAN ONE ACRE SHALL OBTAIN AN NPDES PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. AN NPDES PERMIT WAS NOT OBTAINED FOR THIS SITE. THEREFORE, EARTH DISTURBANCE AT THIS SITE IS NOT PERMITTED OUTSIDE OF THE LIMITS OF DISTURBANCE AS ILLUSTRATED ON THE SOIL EROSION AND SEDIMENTATION CONTROL PLANS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND THE PREVENTION OF SEDIMENT-LADEN RUNOFF FROM EXITING THE PROJECT SITE.
3. ALL SEDIMENT LADEN WATER FROM WITHIN AN EXCAVATION MUST BE PUMPED THROUGH A SEDIMENT REDUCTION TREATMENT FACILITY BEFORE ENTERING A WATERWAY.

ES PLAN NOTES

1. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
2. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
3. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
4. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADE, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
5. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
6. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS.
7. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
8. E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
9. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
10. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USE OF A SEDIMENT FILTER STRUCTURE.
11. SEDIMENT SPILLED, DROPPED OR TRACKED ONTO PAVED SURFACES SHALL BE REMOVED IMMEDIATELY. WATER SHALL NOT BE USED TO REMOVE SEDIMENT ON PAVED SURFACES.
12. ALL SLOPES STEEPER THAN 3:1 MUST UTILIZE NAG S75.
13. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.

STAGING OF EARTH MOVING ACTIVITIES NOTES:

1. FAILURE TO CORRECTLY INSTALL SEDIMENT CONTROL FACILITIES OR FAILURE TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE OR FAILURE TO TAKE CORRECTIVE ACTIONS TO IMMEDIATELY RESOLVE FAILURES OF SEDIMENT CONTROL FACILITIES MAY RESULT IN ADMINISTRATIVE, CRIMINAL, AND/OR CIVIL PENALTIES AS IMPOSED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS DEFINED IN SECTION 602 OF THE CLEAN STREAMS LAW OF PENNSYLVANIA. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
2. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 2801 ET SEQ., 2711 ET SEQ., AND 2871 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTES ON OR OFF OF THE SITE.

CONSTRUCTION SEQUENCE FOR TEMPORARY AND PERMANENT CONTROL FACILITIES:

1. PRIOR TO THE START OF ANY EARTH DISTURBANCE ACTIVITIES, THE PROPOSED LIMIT OF DISTURBANCE SHALL BE MARKED IN THE FIELD TO PROVIDE A VISUAL INDICATION OF THE PROPOSED LIMIT OF DISTURBANCE.
2. INSTALL THE ROCK CONSTRUCTION ENTRANCE AS SHOWN ON THE PLAN.
3. INSTALL ALL COMPOST FILTER SOCKS AND ORANGE CONSTRUCTION FENCE AS SHOWN ON THE PLAN.
4. CLEAR AND GRUB ANY VEGETATED AREAS PROPOSED TO BE DISTURBED. CLEARING AND GRUBBING SHALL NOT OCCUR OUTSIDE THE AREAS SHOWN ON THE PLAN AND MAY ONLY OCCUR WITHIN THE DEFINED LIMIT OF DISTURBANCE. TOPSOIL SHALL BE STOCKPILED AT THE LOCATIONS SHOWN ON THE PLAN AT HEIGHTS NO GREATER THAN 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER; IMMEDIATELY STABILIZE STOCKPILES WITH A TEMPORARY GRASS COVER.
5. UPON INSTALLATION OF TEMPORARY E&S CONTROL FACILITIES, BEGIN EARTHMOVING ACTIVITIES WITHIN THE DEFINED PROJECT AREA. DO NOT INSTALL INFILTRATION BED OR BASIN AT THIS TIME. ANY EXCESS MATERIAL SHALL BE DISPOSED OF AT A SITE WITH AN APPROVED E&S PLAN AND NPDES PERMIT IF APPLICABLE.
6. ESTABLISH ROUGH GRADES. THE PLACEMENT OF FILL MATERIAL SHALL BE AS FOLLOWS:
 - THE SOIL SHALL BE PLACED IN LOOSE LAYERS NO GREATER THAN 8 INCHES THICK AND THEN COMPACTED WITH APPROPRIATE COMPACTION EQUIPMENT.
 - NO FILL PLACEMENT SHALL TAKE PLACE DURING WET WEATHER AND NO FILL SHALL BE PLACED ON A FROZEN SUBGRADE.
7. UPON ESTABLISHING THE REMAINING ROUGH GRADES, BEGIN CONSTRUCTION OF THE PROPOSED BUILDING.
8. BEGIN CONSTRUCTION OF THE STORM SYSTEM FROM THE GARAGE ADDITION TO EX. INLET AS SHOWN ON THE PLAN AND DETAILS.
9. PERFORM FREQUENT AND REGULAR MAINTENANCE TO ENSURE THAT ALL AFFECTED AREAS REMAIN STABILIZED AND THAT E&S CONTROL FACILITIES ARE FUNCTIONING EFFECTIVELY, AS DESIGNED.
10. INSTALL ANY REMAINING UTILITY IMPROVEMENTS.
11. CRITICAL STAGE FOR INFILTRATION BED. ONCE THE DRAINAGE AREAS TO THE INFILTRATION BED #1 HAS ACHIEVED FINAL STABILIZATION, THE CONSTRUCTION OF THE INFILTRATION BED MAY BEGIN. (NOTE: THE INFILTRATION BED SHOULD BE CONSTRUCTED DURING A DRY WEATHER DAY AND SHOULD BE OPENED AND CLOSED IN ONE DAY, OR ADDITIONAL E&S CONTROL MAY BE REQUIRED).
12. EXCAVATE FOR THE PROPOSED INFILTRATION FACILITY. METHODS SHALL BE IMPLEMENTED FOR PROTECTING THE PROPOSED INFILTRATION BED AREA FROM IMPACTS DURING CONSTRUCTION. CARE SHALL BE TAKEN TO ENSURE THAT NO COMPACTION EQUIPMENT, SEDIMENT, OR STONE DUST ENTERS THE INFILTRATION FACILITY AS THIS COULD POTENTIALLY "SEAL" THE FACILITIES. IF THE PROPOSED INFILTRATION FACILITY WILL BE OPENED DURING A STORM EVENT OR NOT COMPLETED WITHIN A 24 HOUR TIME PERIOD, INSTALL COMPOST FILTER SOCK PROTECTION ON THE UPLAND SLOPE OF THE INFILTRATION FACILITY.
13. INSTALL THE FILTER FABRIC TO PREVENT SEDIMENT, SOIL ETC., FROM ENTERING THE INFILTRATION BED AND TO PROVIDE A SOIL INTERFACE SEPARATION.
14. THE STONE IS TO BE CHECKED BY THE DESIGN OR SITE ENGINEER PRIOR TO ITS INSTALLATION INTO THE INFILTRATION BED TO ENSURE THAT IT IS CLEAN STONE.
15. INSTALL THE STORM SYSTEM AND OBSERVATION WELLS/CLEANOUTS AS SHOWN ON THE PLAN, PROFILE, AND DETAILS.
16. INSTALL WATERTIGHT PLYWOOD CAPS ON ALL THE INLETS AND APPROPRIATE MEASURES SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING AND CLOGGING THE STONE INFILTRATION BED.
17. PIPE CONNECTIONS INTO THE INFILTRATION BED FROM ROOF AREAS MAY BE MADE AS SOON AS FEASIBLE.
18. ESTABLISH ANY REMAINING FINAL GRADES AND INSTALL ALL PROPOSED PAVING. SPREAD TOPSOIL, FERTILIZE, SEED, MULCH AND STABILIZE ALL AFFECTED AREAS NOT OTHERWISE PAVED.
19. DO NOT REMOVE TEMPORARY E&S CONTROL FACILITIES UNTIL THEIR CONTRIBUTING DRAINAGE AREAS HAVE BECOME STABILIZED, AS VERIFIED BY THE MUNICIPALITY.
20. UPON ACHIEVING ADEQUATE STABILIZATION OF ALL DISTURBED AREAS, AS VERIFIED BY THE TOWNSHIP ENGINEER, ALL TEMPORARY E&S CONTROL MEASURES MAY BE REMOVED.
21. UPON REMOVING TEMPORARY E&S CONTROL MEASURES, COMPOST FILTER SOCKS MAY BE CUT OUT WITH A HAND SAW. WATER SHALL NOT BE USED TO REMOVE SEDIMENT OR STOCKPILES OF 1.0 INCHES TO ANY ADJACENT AREAS NOT YET STABILIZED. APPLY SEED AND STRAW TO ANY REMAINING AREAS NOT YET STABILIZED WITH PERMANENT SEED MEASURES.

NOTE:

ANY FORMATION OF SINKHOLES OR SOLUTION CHANNELS DURING CONSTRUCTION SHALL BE REPAIRED USING APPROVED METHODS. LOADING RATIOS FOR BOTH INFILTRATION BASINS COMPLY WITH THE GUIDELINES ESTABLISHED BY THE PENNSYLVANIA STORMWATER BEST MANAGEMENT PRACTICES (BMP'S) MANUAL FOR INFILTRATING IN CARBONATE GEOLOGY. THE CONTRACTOR SHALL NOTIFY THE LANCASTER COUNTY CONSERVATION DISTRICT AND HARBOR ENGINEERING, INC. IMMEDIATELY UPON DISCOVERING/ENCOUNTERING ANY SINKHOLE AND THE SERVICES OF A REGISTERED ENGINEER OR GEOLOGIST SHALL BE OBTAINED FOR RECOMMENDATIONS ON ITS REPAIR.

LEGEND

EROSION AND SEDIMENT FEATURES

- LIMIT OF DISTURBANCE
- ROCK CONSTRUCTION ENTRANCE
- TOPSOIL STOCKPILE
- INLET PROTECTION - PERMANENT FILTER BAG WITH TEMPORARY PLYWOOD COVER
- INLET PROTECTION - TEMPORARY FILTER BAG
- COMPOST FILTER SOCK (SEE PLAN FOR SIZE)
- INFILTRATION AREA (AREA OF NO COMPACTION)
- COMPOST FILTER SOCK CONCRETE WASHOUT

NOTE: IF UNFAVORABLE CONDITIONS ARE ENCOUNTERED DURING THE INSTALLATION OF THE ON-LOT INFILTRATION SYSTEM (I.E. GROUNDWATER AND/OR BEDROCK, ETC.), THE PROPOSED FACILITY MAY NEED TO BE RELOCATED TO A MORE FAVORABLE POSITION ON THE LOT, SUBJECT TO THE APPROVAL OF BOTH THE MUNICIPALITY AND THE LANCASTER COUNTY CONSERVATION DISTRICT.

NPDES PERMIT NOTES

1. ANY PROJECT SITE WITH PROPOSED EARTH DISTURBANCE ACTIVITY EQUAL TO OR GREATER THAN ONE ACRE SHALL OBTAIN NPDES PERMIT COVERAGE FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. NPDES PERMIT COVERAGE WAS NOT OBTAINED FOR THIS SITE BECAUSE THE PROPOSED LIMITS OF DISTURBANCE DO NOT EXCEED ONE ACRE. EARTH DISTURBANCE AT THIS SITE IS NOT PERMITTED OUTSIDE OF THE LIMITS OF DISTURBANCE AS SHOWN ON THE ASSOCIATED E&S CONTROL PLAN.

RESTORATION OF PLANTING AREAS

1. FINAL RESTORATION SHALL BE PERFORMED NO LATER THAN THE START OF THE NEXT PLANTING SEASON FOLLOWING CONSTRUCTION. THE PLANTING SEASON FOR THIS AREA SHALL BE ASSUMED TO EXTEND FROM MARCH 16 TO OCTOBER 14.
 2. TOPSOIL SHALL BE FREE FROM SUBSOIL, BRUSH, WEEDS, OR OTHER LITTER, CLAY LUMPS AND STONES, BUT MAY CONTAIN DECAYING VEGETABLE MATTER AS IS PRESENT IN GOOD TOPSOIL.
 3. PRECAUTIONS SHALL BE EXERCISED AS NECESSARY TO CONFORM WITH LAWS RELATING TO EROSION AND SEDIMENT CONTROL.
 4. SEED SHALL BE NOT MORE THAN TWO (2) YEARS OLD. GERMINATION TESTS OF SEEDS SHALL BE MADE NOT MORE THAN SIX (6) MONTHS PRIOR TO SEEDING. SEED WHICH HAS BECOME WET, MOLDY, OR OTHERWISE DAMAGED SHALL NOT BE USED.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PRODUCE A STAND OF GRASS IN ALL SEEDED OR SODDED AREAS. EROSION, DROUGHT, OR ANY OTHER CONDITION ENCOUNTERED SHALL NOT RELIEVE THE CONTRACTOR OF THIS RESPONSIBILITY.
- SEEDING NOTES: TEMPORARY**
1. MULCH - CLEAN OUT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED - BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TON/ ACRE (HAY OR STRAW). MULCH SHALL BE EITHER MECHANICALLY STABILIZED OR STABILIZED BY USE OF A TACKIFIER. PROPER STABILIZATION EFFORTS DURING THE NON-GERMINATION PERIOD OF OCTOBER 15 TO MARCH 15 IS THE REQUIRED RATE ON 3 TONS PER ACRE (HAY OR STRAW).
 2. SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE VARIETIES FOLLOWING AND MIXED IN THE PROPORTIONS SPECIFIED.

SEED TYPE	% BY WT.	MIN. PURITY	MIN. GERM.
ANNUAL RYEGRASS	100%	95%	90%
THREE PERCENT REDTOP MAY BE ADDED TO THE LAWN MIXTURE ON SLOPE AREAS OR FOR LATE SPRING OR LATE FALL SEEDING.			
TEMPORARY SEEDING SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET.			
ALL AREAS TO BE SEEDED SHALL BE LOOSENEED TO A DEPTH OF AT LEAST TWO INCHES BY MECHANICAL MEANS AS APPROVED BY THE ENGINEER.			
MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.			
LIME OR FERTILIZER SHALL BE APPLIED UNIFORMLY TO AREAS TO BE SEEDED, AND WORKED INTO THE SOIL TO A DEPTH OF 2".			
a. AGRICULTURAL LIME - APPLICATION RATE OF 40 LB. PER 1,000 SF (OR 1 TON PER ACRE)			
b. 10-10-20 FERTILIZER - APPLICATION RATE OF 12.5 LB. PER 1,000 SF (OR 500 LB. PER ACRE)			
HYDROSEED IS NOT CONSIDERED STABILIZATION UNTIL IT GERMINATES.			

SEEDING NOTES: PERMANENT

1. ALL TOPSOIL SHALL BE LOOSENEED TO A DEPTH OF AT LEAST 4". ALL OBJECTIONABLE MATERIAL LARGER THAN 2" SHALL BE REMOVED.
 2. LIMESTONE AND FERTILIZER SHALL BE APPLIED UNIFORMLY TO AREAS TO BE SEEDED, AND WORKED INTO THE SOIL TO A DEPTH OF 2".
 - a. AGRICULTURAL LIME - APPLICATION RATE OF 240 LB. PER 1,000 SF (OR 6 TONS PER ACRE)
 - b. 10-10-20 FERTILIZER - APPLICATION RATE OF 25 LB. PER 1,000 SF (OR 1,000 LB. PER ACRE)
 3. GRASS SEED SHALL BE BROADCAST AT THE RATE AND KIND INDICATED BELOW:
- | SEED TYPE | % BY WT. | MIN. PURITY | MIN. |
|--|----------|-------------|------|
| KENTUCKY BLUE GRASS (BARON OR NARVON) | 40% | 98 | 85 |
| FESCUE PENNLAWN RED | 30% | 98 | 88 |
| ANNUAL RYEGRASS (MIXTURE TO BE APPLIED AT 5 LBS./1000 SF.) | 30% | 98 | 90 |
4. MULCH OF LONG STEM STRAW SHALL BE APPLIED AT AN EVEN APPLICATION OF 3 TONS/ACRE WITH A SURFACE COVERING OF 100%. MULCH SHALL BE EITHER MECHANICALLY STABILIZED OR STABILIZED BY USE OF A TACKIFIER.
 5. PROVIDE PERENNIAL RYEGRASS (TEMPORARY SEEDING) IMMEDIATELY FOR ALL EXPOSED AREAS.
 6. HYDROSEED IS NOT CONSIDERED STABILIZATION UNTIL IT GERMINATES.

ES PLAN NOTES

1. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
2. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
3. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
4. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADE, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
5. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
6. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS.
7. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
8. E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
9. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
10. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USE OF A SEDIMENT FILTER STRUCTURE.
11. SEDIMENT SPILLED, DROPPED OR TRACKED ONTO PAVED SURFACES SHALL BE REMOVED IMMEDIATELY. WATER SHALL NOT BE USED TO REMOVE SEDIMENT ON PAVED SURFACES.
12. ALL SLOPES STEEPER THAN 3:1 MUST UTILIZE NAG S75.
13. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.

NOTE: THIS PLAN MUST BE AVAILABLE ON SITE AT ALL TIMES THROUGHOUT CONSTRUCTION UNTIL THE SITE HAS BEEN STABILIZED.

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CIVIL ENGINEERING - LANDSCAPE ARCHITECTURE

OWNER
LANCASTER TOWNSHIP

PROJECT TITLE
SITE PLAN FOR LANCASTER TOWNSHIP POLICE STATION

SHEET TITLE
E&S CONTROL PLAN

SEAL

DRAWN BY:
BRK

CHECKED BY:
SPG

DATE:
AUGUST 27, 2024

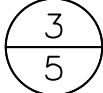
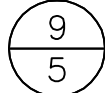
PROJECT NO.:
24426-036

SHEET:
4 OF **6**

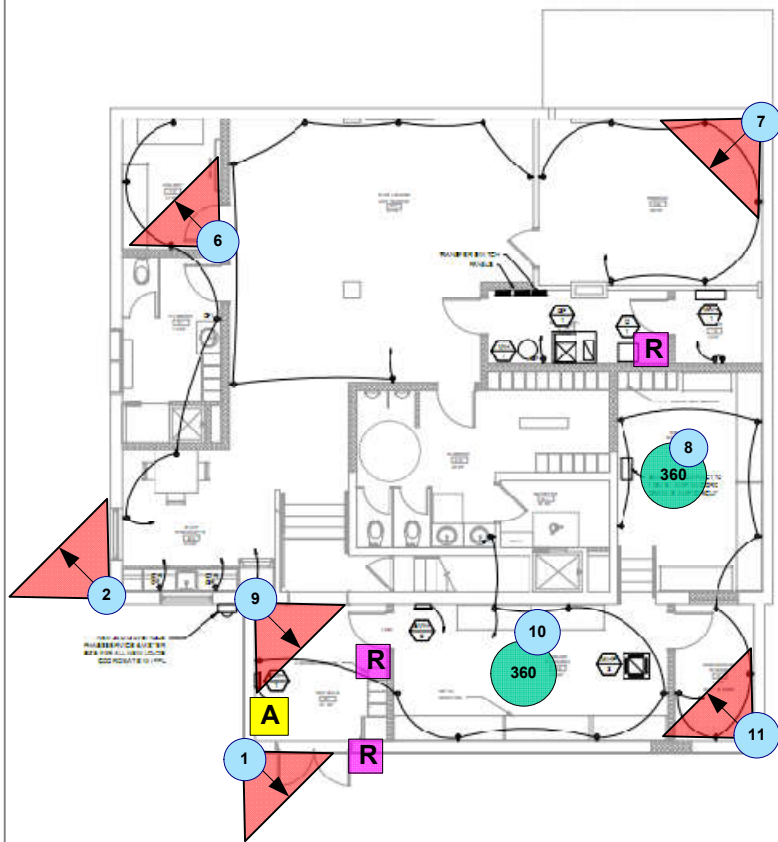
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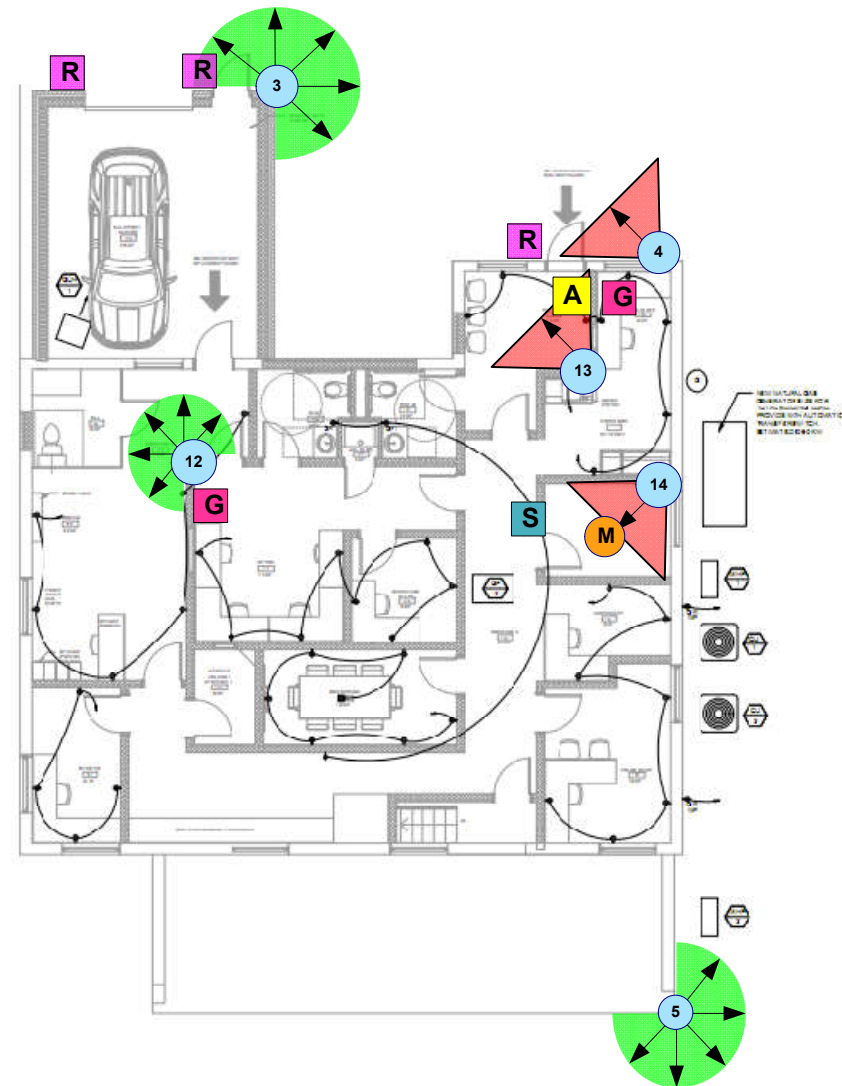
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$$\frac{11}{5}$$

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LOWER LEVEL - POWER PLAN
SCALE: 1/4" = 1'-0"



UPPER LEVEL - POWER PLAN
SCALE: 1/4" = 1'-0"

PROGRESS PLANS 8-1-24

- | | | |
|----------------------|---------------------------|---------------------------------------|
| # Camera Number | 270-degree camera | M Microphone |
| Single-sensor camera | 360-degree Fisheye camera | S Switch to operate microphone |
| A Alarm Panel | R Reader | G Remote relay button for garage door |

Project: Lancaster Township – New Building	Integrator: APP-TECHS Applying Technology Solutions 221 W. Walnut St., Lancaster, PA 17601 www.app-techs.com * 717-735-0848
Author: App-Techs	File:
Date: 8/23/24	Note: