

**BID ADDENDUM NO. (1)**

May 23, 2023  
The Village of Owego  
Owego DRI – Phase I: Marvin Park Improvements  
2550-011

The following Addendum items shall be considered a part of the contract documents prepared by HUNT ENGINEERS, ARCHITECTS, LAND SURVEYORS & LANDSCAPE ARCHITECT, DPC. Bid Document date of May 2023.

**Clarifications issued by this Addendum:**

1. Bid Opening:
  - The bid opening for this project is **Thursday, June 15, 2023, at 1:00pm** EST.
  - The opening will be at the Owego Village Hall at 22 Elm St, Owego, NY 13827 when sealed bids will then be publicly opened and read.
  - The date is correct in the advertisement in the specifications and in the Contract Reporter; however, there was an error in the Newspaper Advertisement listing it as June 13, 2023.
2. Allowances
  - There is a \$50,000 field change contingency allowance as per Section 01 21 00 – Allowances that should be included as part of the bid from the General Contractor.

**Drawings issued by this Addendum:**

AD1 - A0.1 – DEMOLITION PLAN  
AD2 - A1.1 - FLOOR, CEILING AND ROOF PLAN  
AD3 - A2.1 – ELEVATIONS AND SECTIONS  
AD4 - A3.1 – SCHEDULES AND DETAILS  
AD5 - E1.1 – ELECTRICAL PLANS  
AD6 - P1.1 – FIRST FLOOR PLUMBING PLAN  
AD7 - S0.1 – STRUCTURAL GENERAL NOTES  
AD8 - S1.1 – FOUNDATION AND ROOF FRAMING PLAN  
AD9 - S2.1 – FOUNDATION DETAILS  
AD10 - S3.1 – MASONRY AND FRAMING DETAILS  
AD11 - T1.1 – BUILDING TECHNOLOGY PLAN

End of Addendum (1)

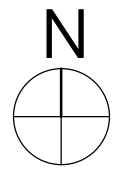
ACKNOWLEDGMENT OF RECEIPT BY:

LEGAL NAME OF BIDDER: \_\_\_\_\_

BY (Signature & Title): \_\_\_\_\_

DATE: \_\_\_\_\_

THIS PAGE SHALL BE ATTACHED TO AND SUBMITTED WITH THE BID PROPOSAL.



A0.1

PROJECT NO: 2550.011

DEMOLITION PLAN

MARVIN PARK - PUBLIC TOILET HOUSE

OWEGO DRI PROJECT

WEST MAIN STREET, OWEGO, NY 13827

**HUNT** ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607-353-1000 ROCHESTER, NY 585-297-7950  
TONAWANDA, NY 607-262-8899 ENCLIC, NY 607-783-8861  
ALBANY, NY 607-788-8081 WWW.HUNT-EAS.COM

NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

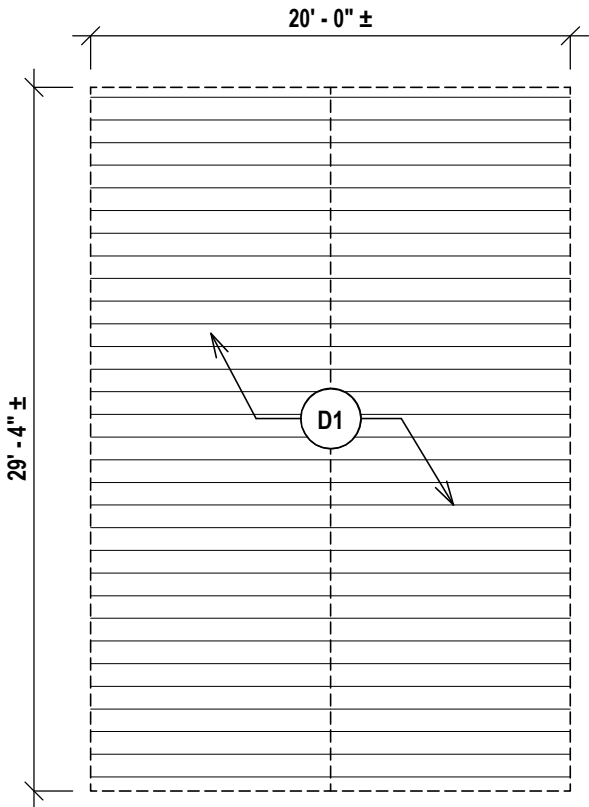
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DATE:		02/24/2023	
PHASE:		BID	
#	DATE:	DESCRIPTION OF REVISION:	
			"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECT'S OR SURVEYOR'S SEAL."

#### GENERAL DEMO NOTES:

- A CONTRACTOR TO COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF ALL OTHER CONTRACTED WORK AND WORK PERFORMED BY THE OWNER.
- B THE OWNER RESERVES THE RIGHT TO RETAIN ANY REMOVED ITEMS AFTER CONTRACTOR REMOVAL. THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ALL REMOVED ITEMS THE OWNER DOES NOT WISH TO RETAIN.

#### DEMOLITION NOTES:

- D1 REMOVE ALL BUILDING COMPONENTS AND SYSTEMS INCLUDING BUT NOT LIMITED TO FLOORS, SLABS, WALLS, ROOFING, STRUCTURE, DOORS, WINDOWS, CEILINGS, ETC. COORDINATE DEMOLITION WITH OTHER CONTRACTED WORK .



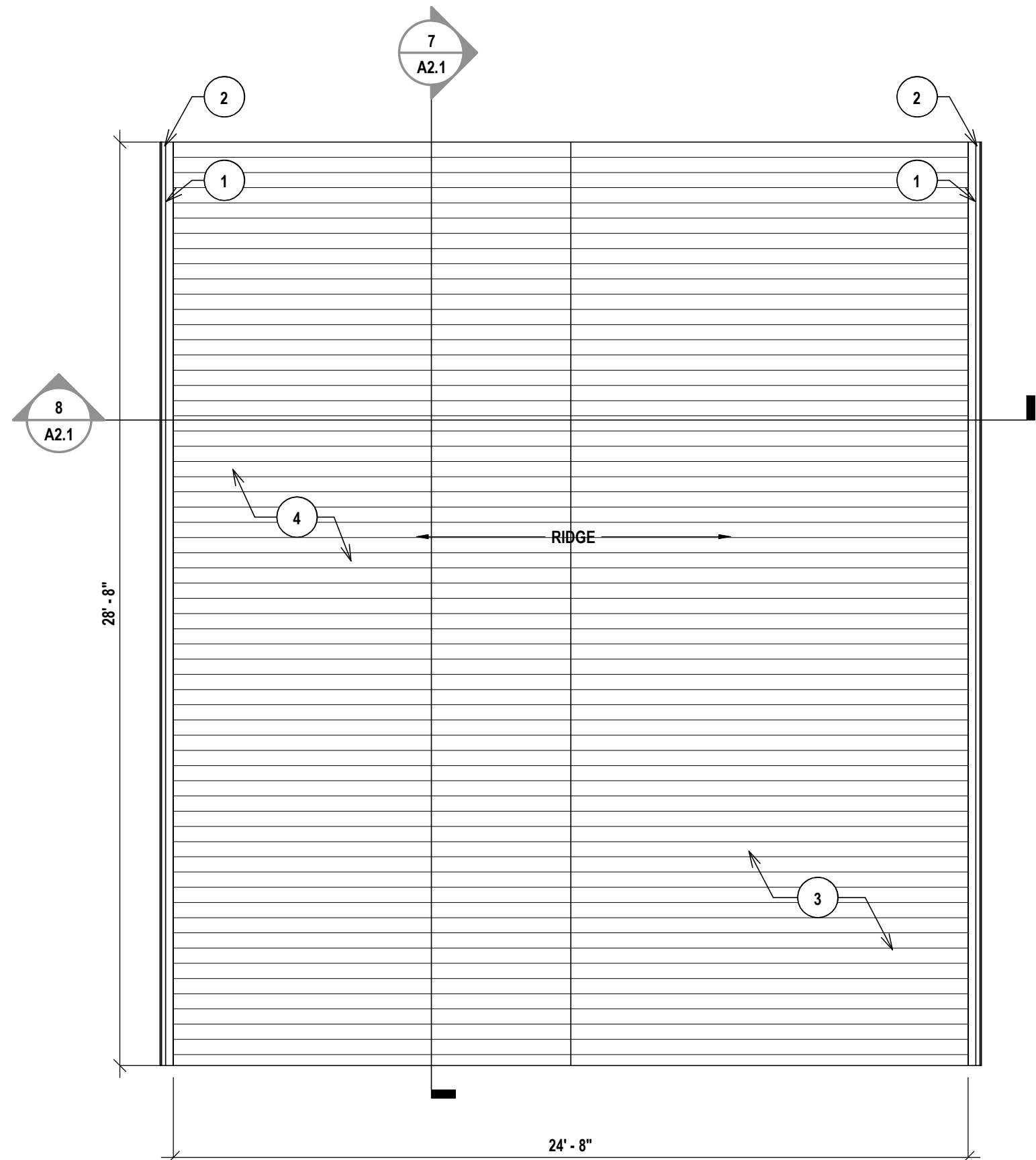
1 FIRST FLOOR DEMOLITION PLAN  
1/8" = 1'-0"

GENERAL ROOF NOTES:

- A PROVIDE ALL MATERIALS TO MAKE SMOOTH TRANSITIONS AT ROOF EDGES AND INTERSECTIONS.  
B PROVIDE FLASHING AT ALL PENETRATIONS.  
C PROVIDE ALL ROOF OPENINGS REQUIRED FOR ALL PENETRATIONS, COORDINATE WITH ALL OTHER CONTRACTED WORK FOR EXACT SIZE AND LOCATION.

ROOF DRAWING NOTES:

- 1 5" K-STYLE GUTTER SYSTEM - SLOPE BACK TO DOWNSPOUTS.  
2 5" MANUFACTURED DOWNSPOUT TO SPLASH BLOCK SLOPPED AWAY FROM BUILDING.  
3 CORRUGATED METAL ROOFING.  
4 ICE AND WATER SHEILD ENTIRE ROOF.



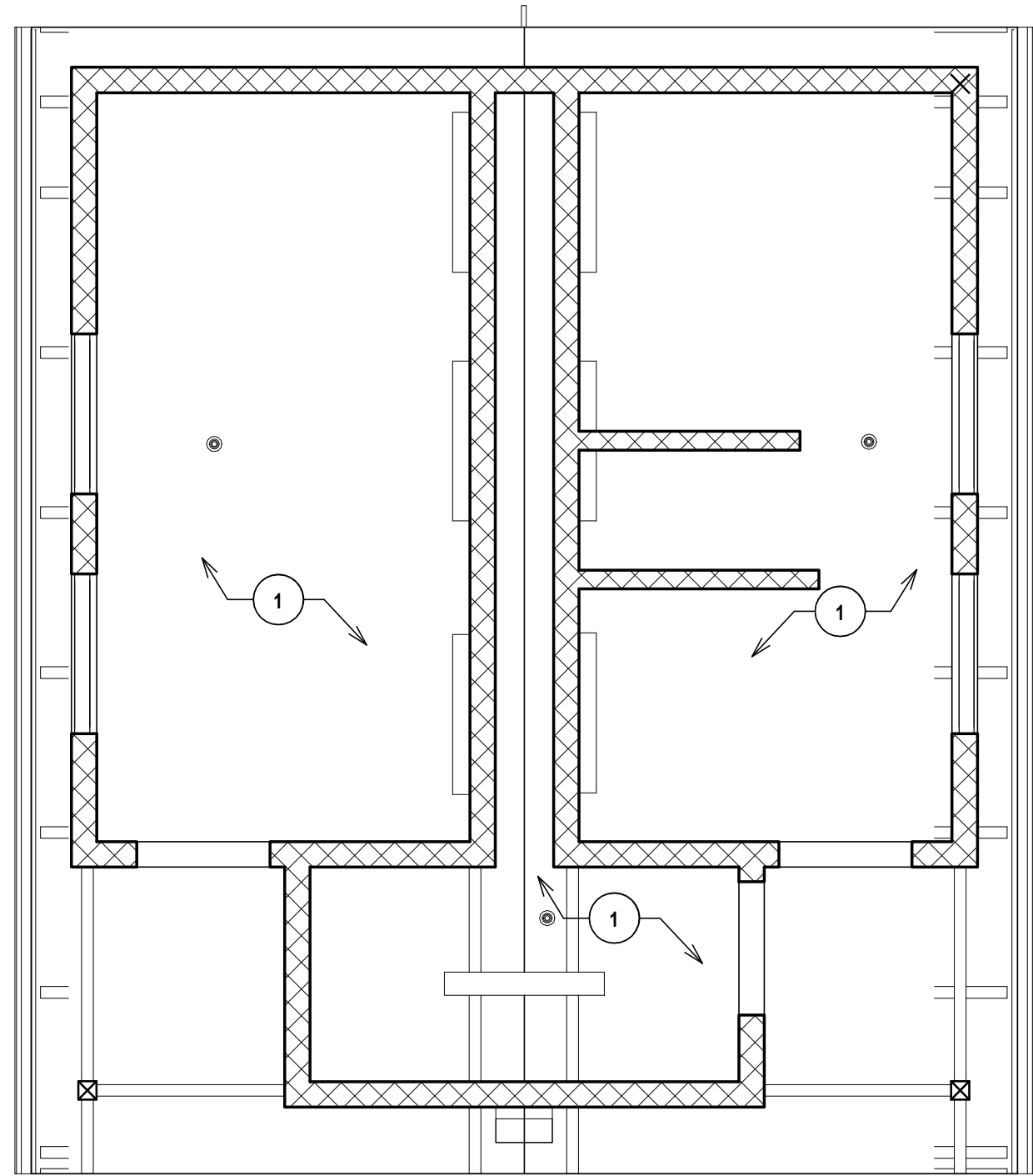
2 ROOF PLAN  
1/4" = 1'-0"

GENERAL CEILING NOTES:

- A ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURES AND MECHANICAL EQUIPMENT. COORDINATE WITH ALL OTHER PRIME CONTRACTORS.  
B PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), AND PIPING UNLESS NOTED OTHERWISE. REFER TO FINISH KEY FOR COLORS.

RCP DRAWING NOTE:

- 1 OPEN TO STRUCTURE ABOVE: STAIN EXPOSED STRUCTURE, AND PAINT ALL CEILING MOUNTED ELEMENTS (NOT FACTORY FINISHED). RFEER TO FINISH KEY FOR COLORS.



4 FIRST FLOOR REFLECTED CEILING PLAN  
1/4" = 1'-0"

BUILDING INFORMATION

GENERAL BUILDING REQUIREMENTS:

CONSTRUCTION TYPE: V  
OCCUPANCY CLASSIFICATION: U  
ALLOWABLE BUILDING AREA: 5,500 S.F.  
ACTUAL BUILDING AREA: 589 S.F.  
ALLOWABLE NUMBER OF STORIES: 2  
ACTUAL NUMBER OF STORIES: 1  
ALLOWABLE BUILDING HEIGHT: 40' ABOVE GRADE PLANE  
ACTUAL BUILDING HEIGHT: 13'-7" ABOVE GRADE PLANE  
OCCUPANT LOAD: 10 - 12  
MAX EXIT ACCESS TRAVEL DISTANCE: 300'  
ACTUAL EXIT ACCESS TRAVEL DISTANCE: 22'

BUILDING FIRE RESISTANCE REQUIREMENTS:

EXTERIOR BEARING WALLS: 0 HR  
NON BEARING WALLS: 0 HR  
INTERIOR FIRE WALLS: 0 HR  
INTERIOR BEARING WALLS OF PARTITIONS: 0 HR  
PARTITIONS ENCLOSING SHAFTS: 0 HR  
PARTITIONS ENCLOSING CORRIDORS: 0 HR  
COLUMNS & BEAMS: 0 HR  
FLOOR CONSTRUCTION: 0 HR  
ROOF CONSTRUCTION: 0 HR

ENERGY CONSERVATION REQUIREMENTS:

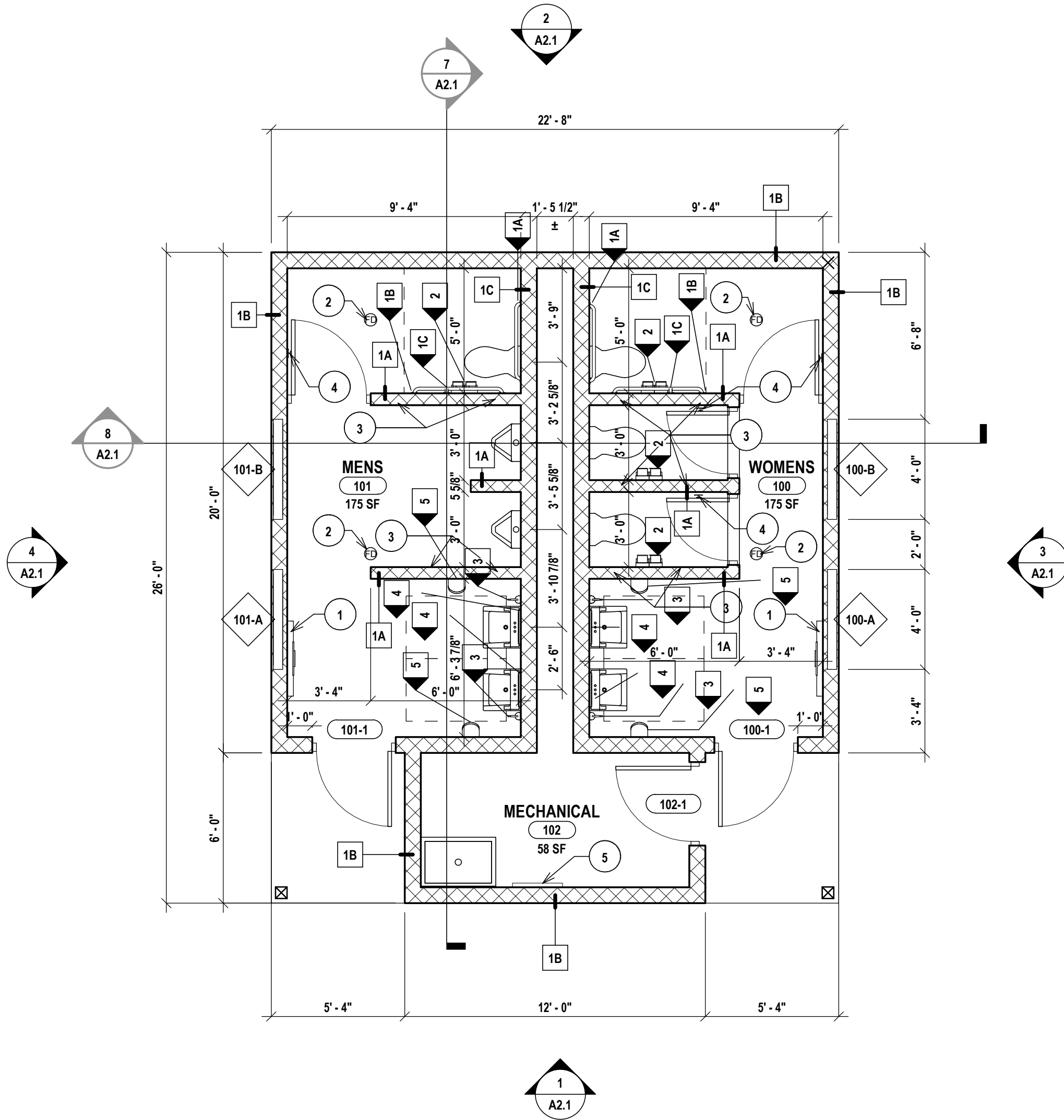
BUILDING COMPLIES WITH SECTION C401.2.2  
BUILDING IS EXEMPT FROM THE BUILDING THERMAL ENVELOPE PROVISIONS OF SECTION C402 PER C402.1.1.2

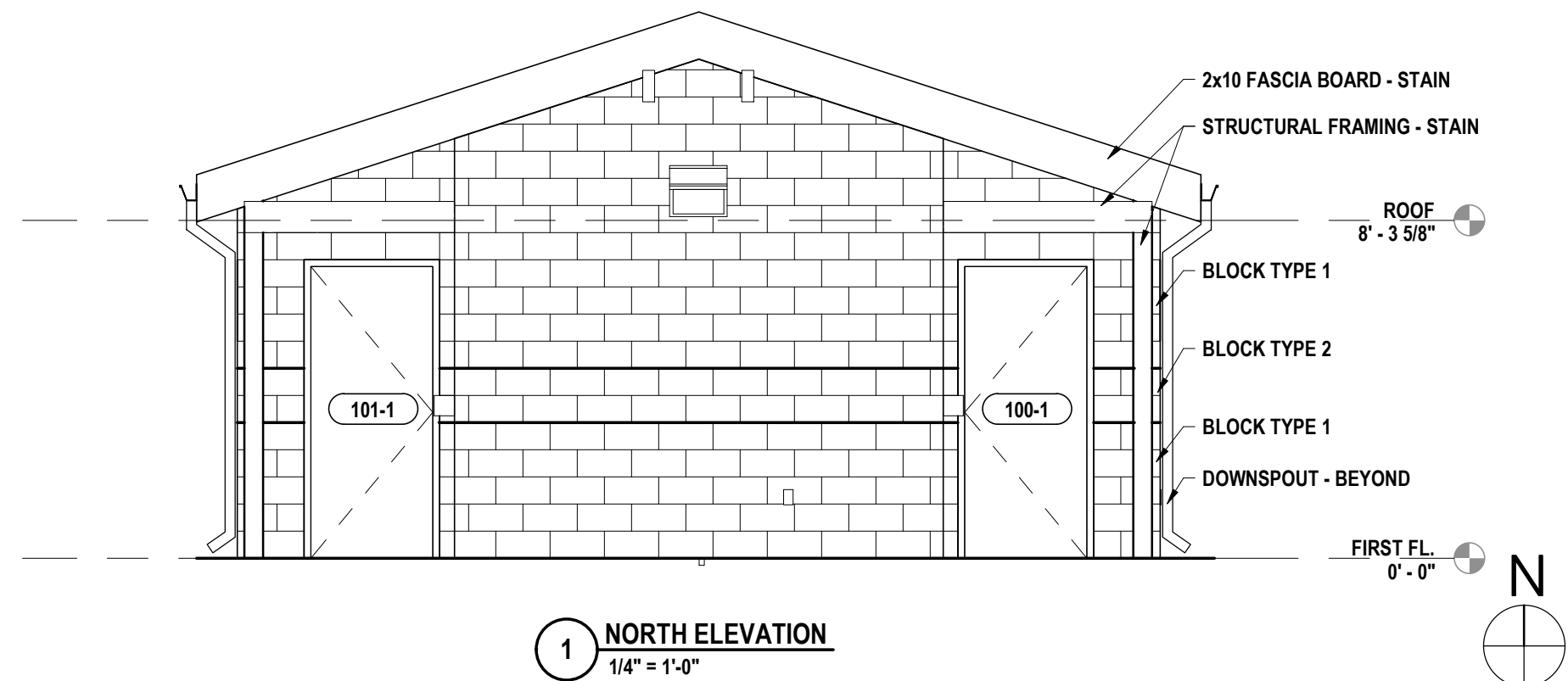
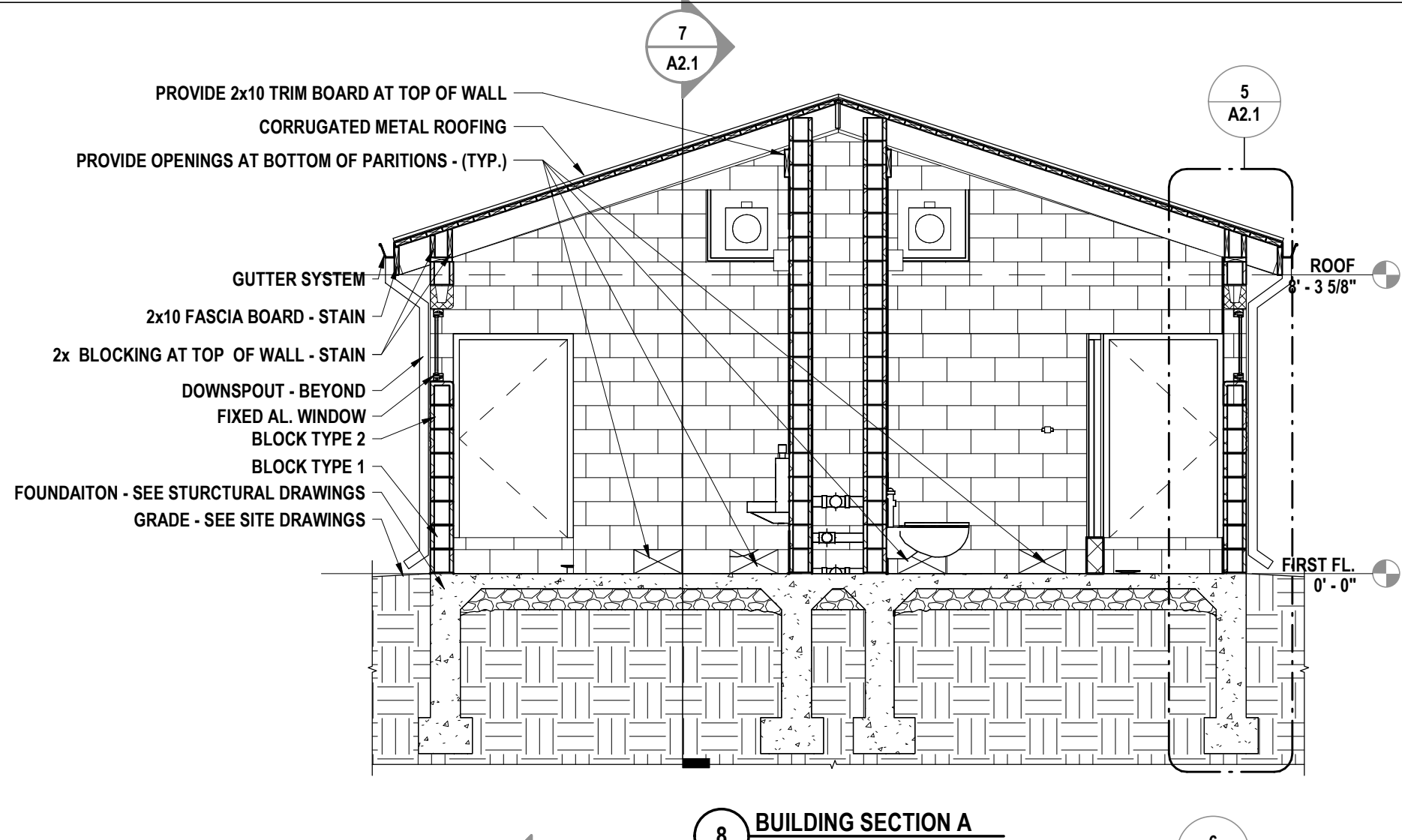
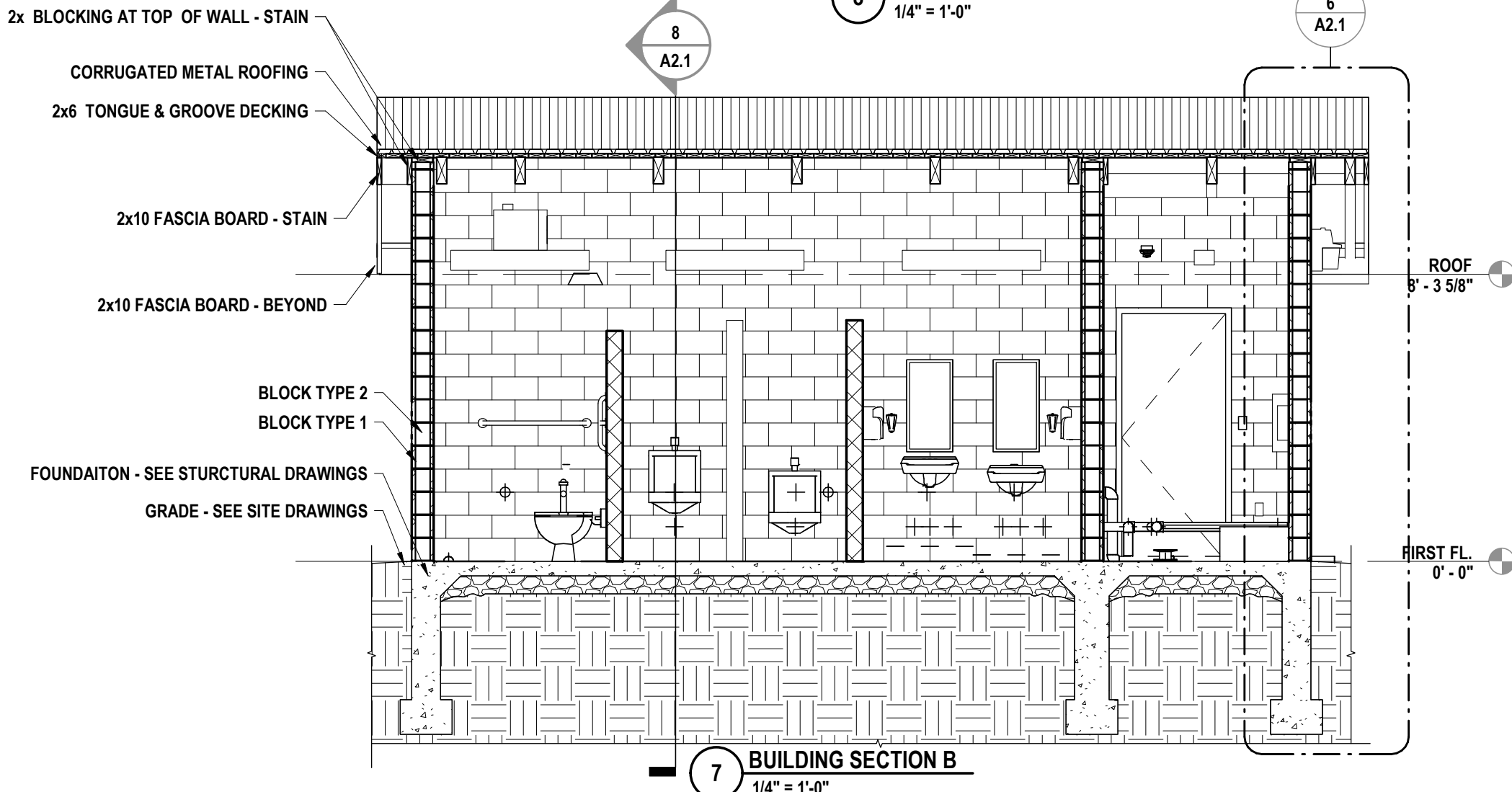
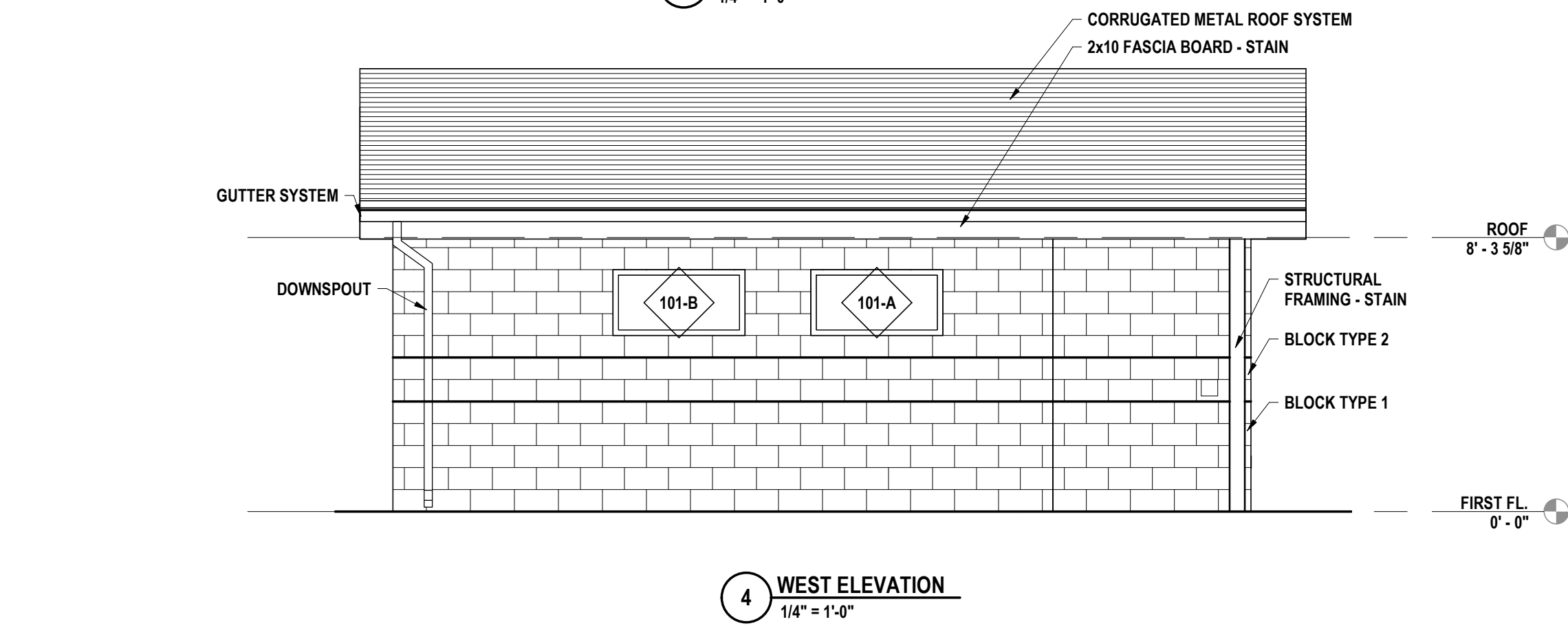
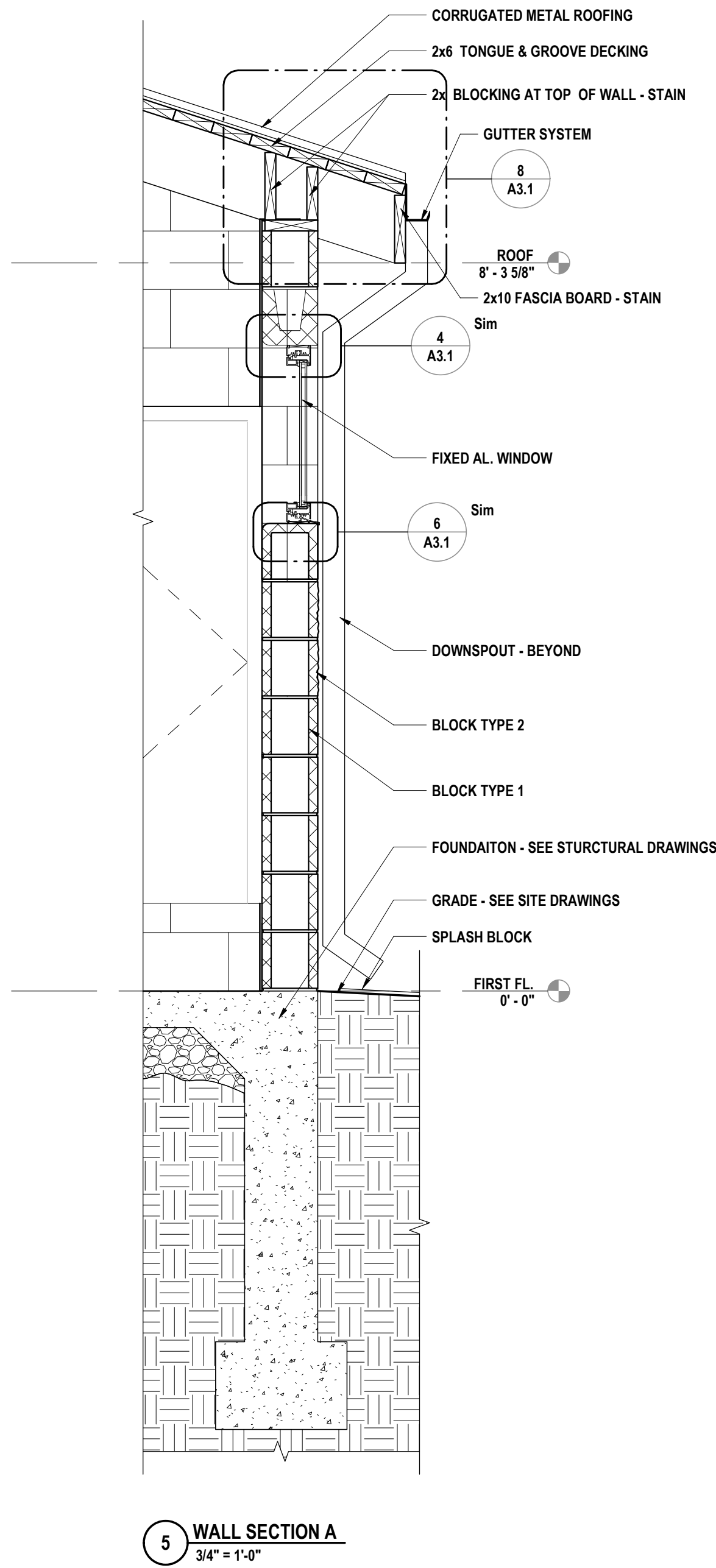
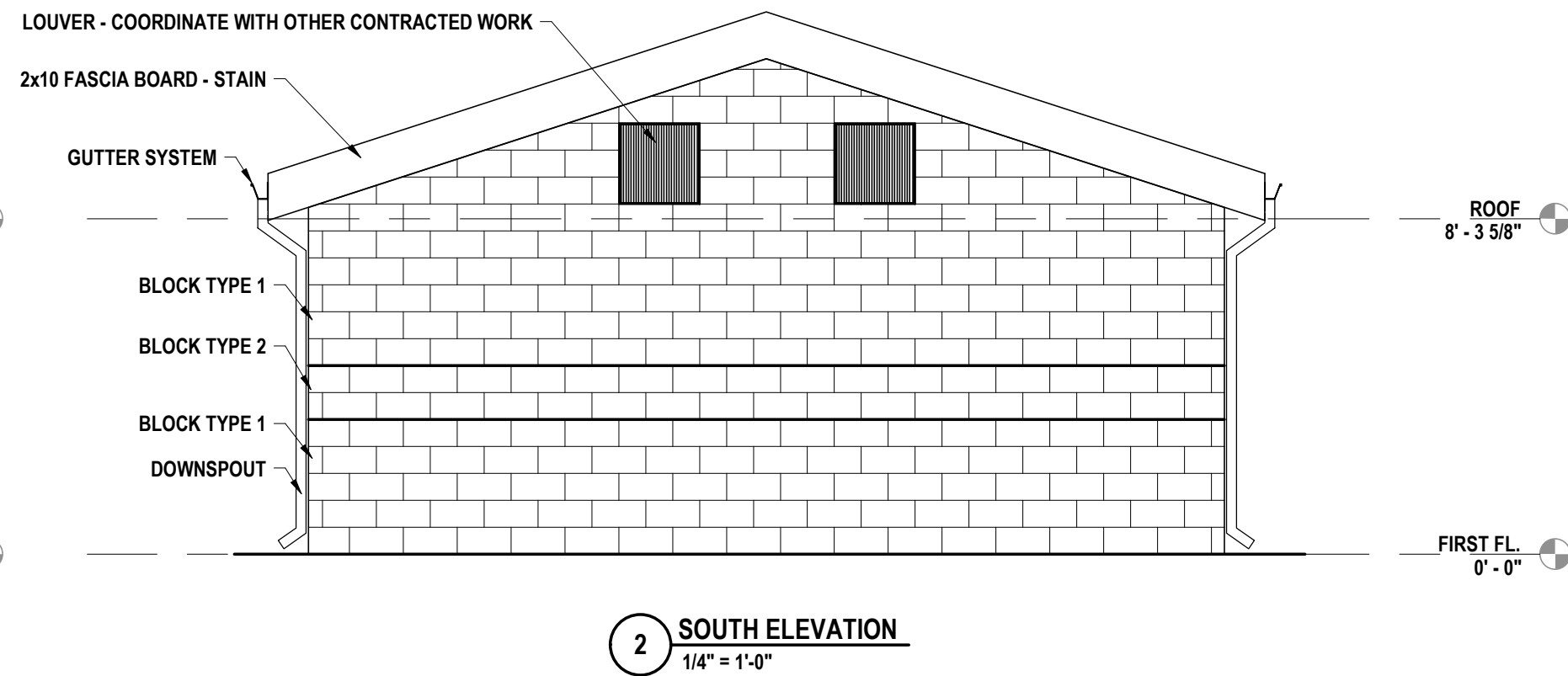
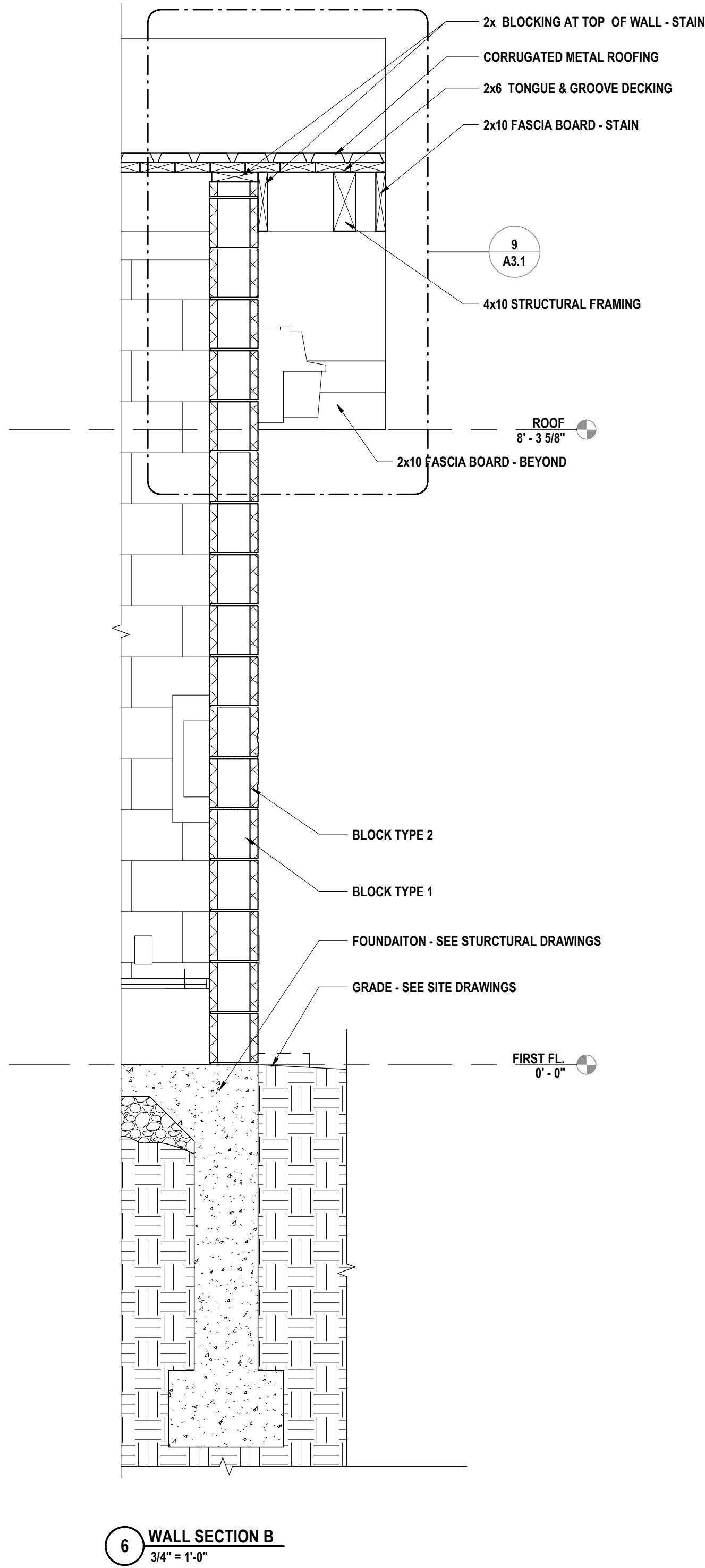
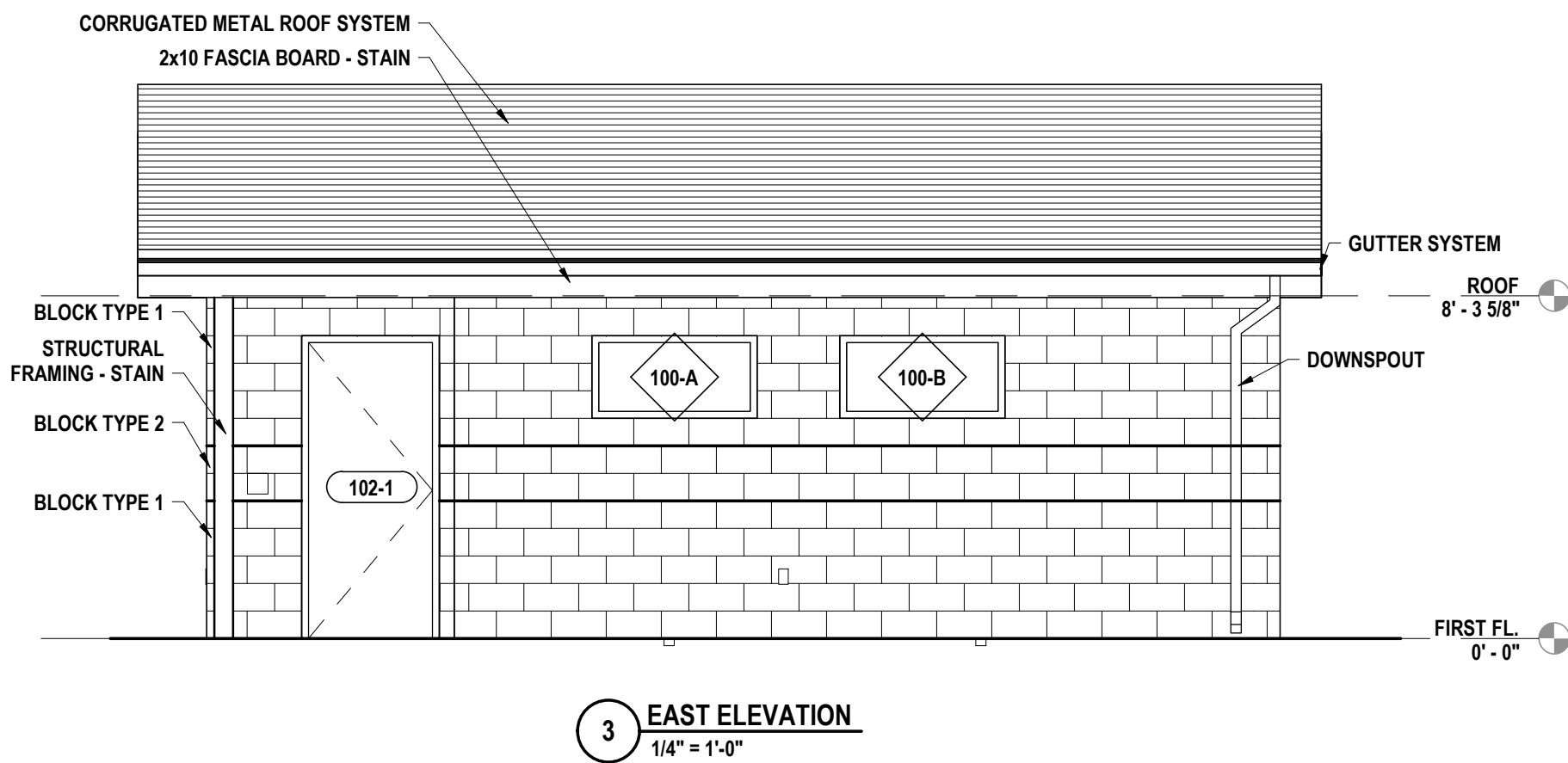
GENERAL NOTES:

- A THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK REQUIRED TO IMPLEMENT THE WORK OF THE CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.  
B THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF ALL OTHER CONTRACTED WORK AND WORK PERFORMED BY THE OWNER.  
C ITEMS SHOWN ARE INTENDED TO GIVE APPROXIMATE QUANTITY, LOCATION & TYPE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITY & EXISTING FIELD CONDITIONS.  
D ALL DIMENSIONS ARE TAKEN FROM FACE OF WALL TO FACE OF WALL, UNLESS NOTED OTHERWISE.  
E THERE SHALL BE A MINIMUM OF 1'-5" CLEAR FLOOR SPACE ON THE PULL SIDE OF ALL NEW DOORS; THERE SHALL BE A MINIMUM OF 1'-0" CLEAR FLOOR SPACE ON THE PUSH SIDE OF ALL NEW DOORS.  
F THE WHEELCHAIR SYMBOL INDICATES HANDICAP ACCESSIBLE MOUNTED FIXTURE ELEVATION AND SHALL CONFORM WITH CABO/ANSI A117.1 AND ADAAG.  
G EXTEND ALL NEW PARTITIONS TO DECK ABOVE, UNLESS NOTED OTHERWISE.  
H ALL FINISHED ASSEMBLIES ARE REQUIRED TO BE PROTECTED DURING THE COURSE OF CONSTRUCTION. ALL FINISHED ASSEMBLIES DAMAGED DURING THE COURSE OF CONSTRUCTION ARE REQUIRED TO BE REPLACED OR REPAIRED AT THE ARCHITECTS DIRECTION.  
I REFER TO ELEVATIONS AND SECTIONS FOR BLOCK TYPES.

PLAN DRAWING NOTES:

- 1 BABY CHANGING STATION TO BE MOUNTED AT 3'-0" A.F.F.  
2 FLOOR DRAIN. REFER TO STRUCTURAL AND PLUMBING DRAWINGS FOR MORE INFORMATION.  
3 PROVIDE OPENINGS AT BASE OF WALL ( 1 BLOCK COURSE) TO ALLOW FOR WATER PASSAGE TO FLOOR DRAINS.  
4 PROVIDE ROBE HOOKS PER TOILET ROOM ACCESSORY SCHEDULE.  
5 MOP AND BROOM HOLDER TO BE MOUNTED AT 5'-0" A.F.F.





ELEVATIONS & SECTIONS

MARVIN PARK - PUBLIC TOILET HOUSE

OWEGO DRI PROJECT

WEST MAIN STREET, OWEGO, NY 13827

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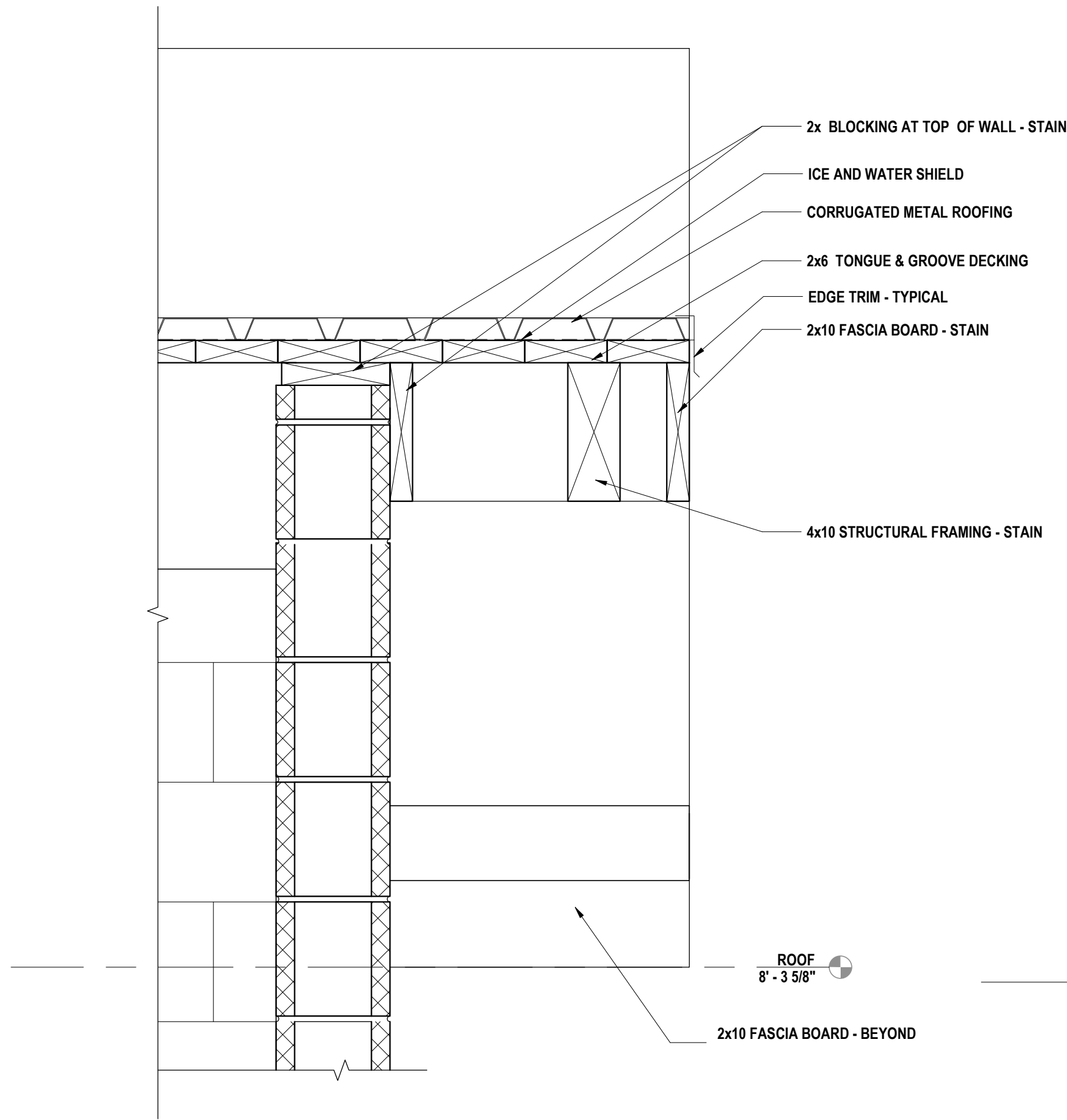
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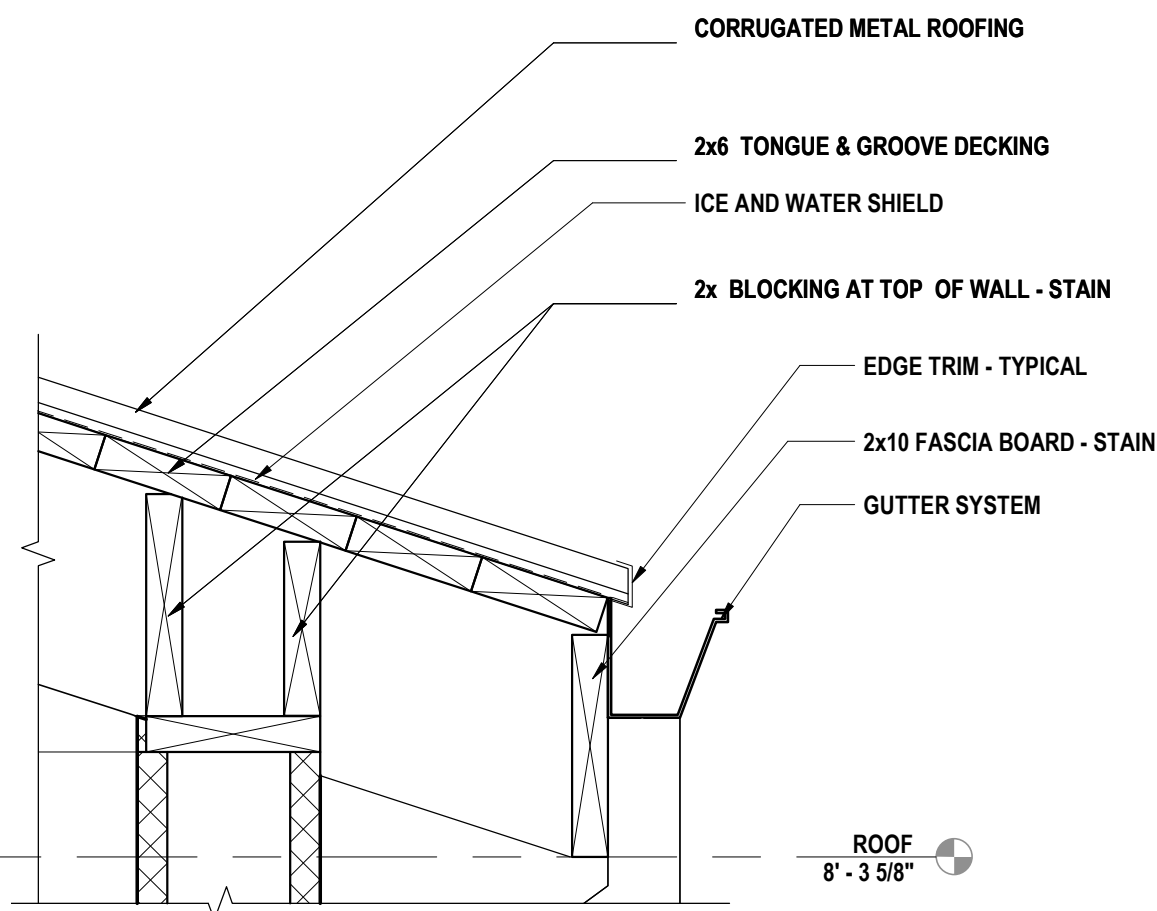
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A2.1

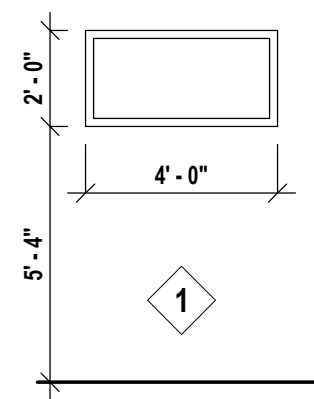
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9 ROOF EDGE DETAIL B  
1 1/2" = 1'-0"

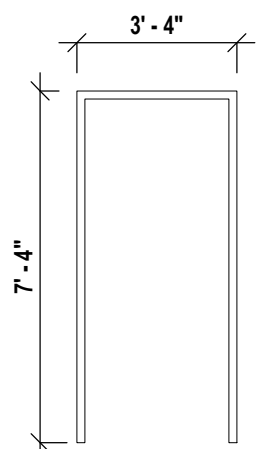


8 ROOF EDGE DETAIL A  
1 1/2" = 1'-0"

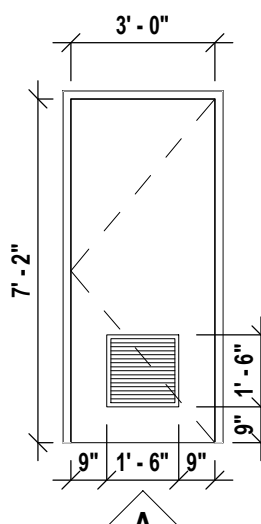


WINDOW TYPES

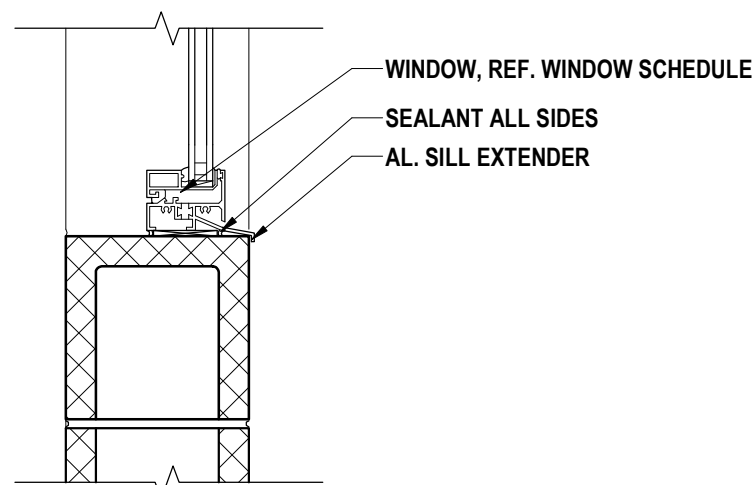
WINDOW SCHEDULE								
NUMBER	FRAME			GLAZING	DETAIL			NOTES
	WINDOW TYPE	MATERIAL	FINISH		HEAD	JAMB	SILL	
100-A	A	AL.	ANOD.	P-1	4	5	6	
100-B	A	AL.	ANOD.	P-1	4	5	6	
101-A	A	AL.	ANOD.	P-1	4	5	6	
101-B	A	AL.	ANOD.	P-1	4	5	6	



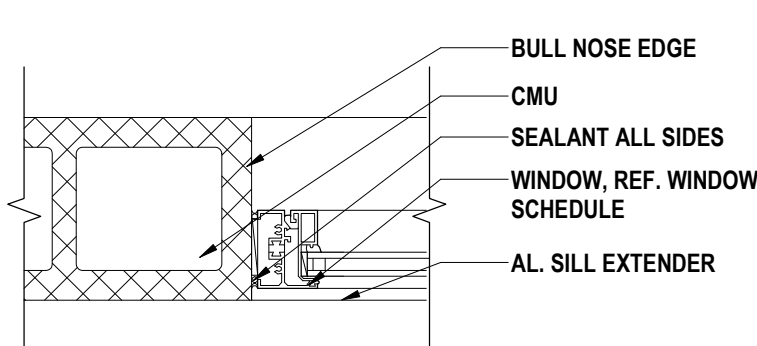
DOOR & FRAME TYPES



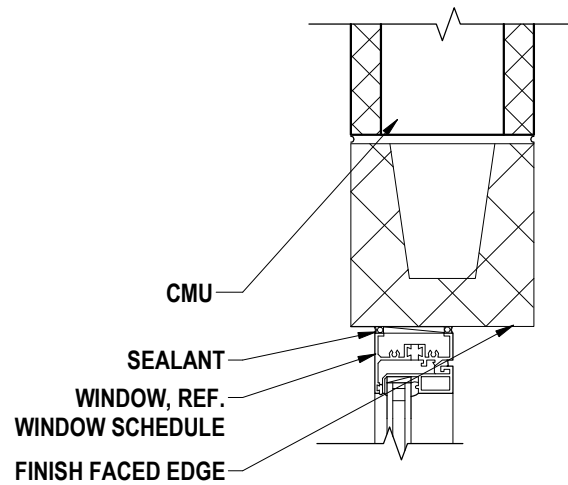
DOOR SCHEDULE													
#	DOOR					HDWR SET	FRAME			DETAIL			NOTES
	TYPE	SIZE	THICK.	MATL.	FINISH		TYPE	MATL.	FINISH	HEAD	JAMB	SILL	
100-1	A	3'-0" x 7'-2"	1 3/4"	AL.	FRP	1	1	AL.	ANOD.	1	2	3	PROVIDE 3/4" UNDERCUT.
101-1	A	3'-0" x 7'-2"	1 3/4"	AL.	FRP	1	1	AL.	ANOD.	1	2	3	PROVIDE 3/4" UNDERCUT.
102-1	A	3'-0" x 7'-2"	1 3/4"	AL.	FRP	1	1	AL.	ANOD.	1	2	3	PROVIDE 3/4" UNDERCUT.



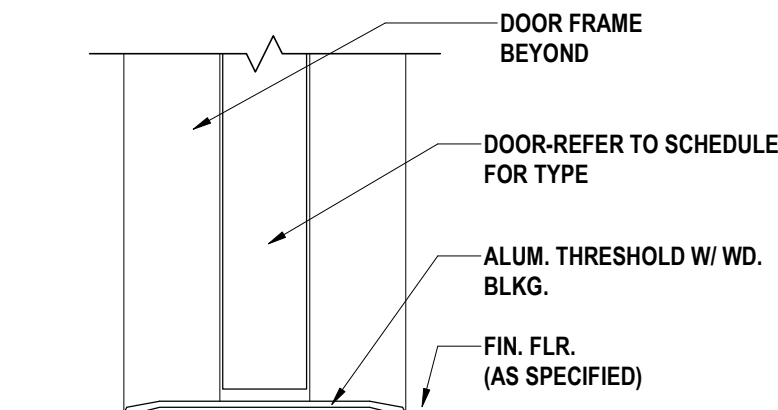
6 WINDOW SILL DETAIL  
1 1/2" = 1'-0"



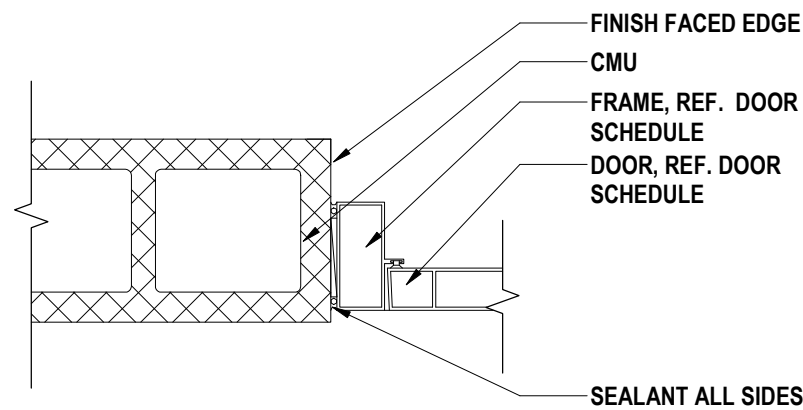
5 WINDOW JAMB DETAIL  
1 1/2" = 1'-0"



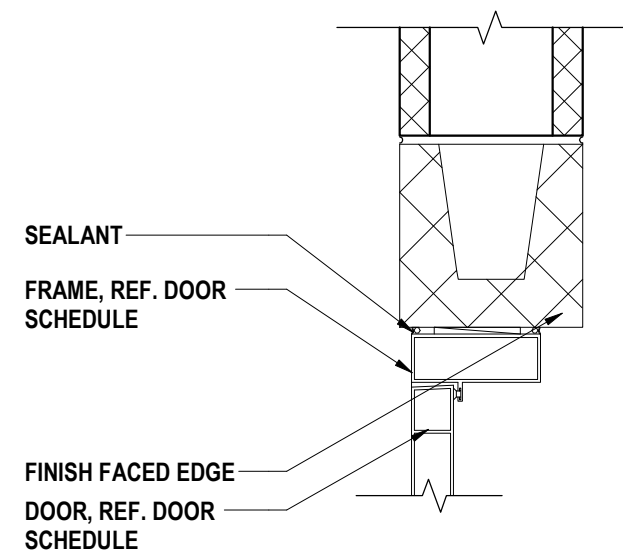
4 WINDOW HEAD DETAIL  
1 1/2" = 1'-0"



3 DOOR SILL DETAIL  
3" = 1'-0"



2 DOOR JAMB DETAIL  
1 1/2" = 1'-0"



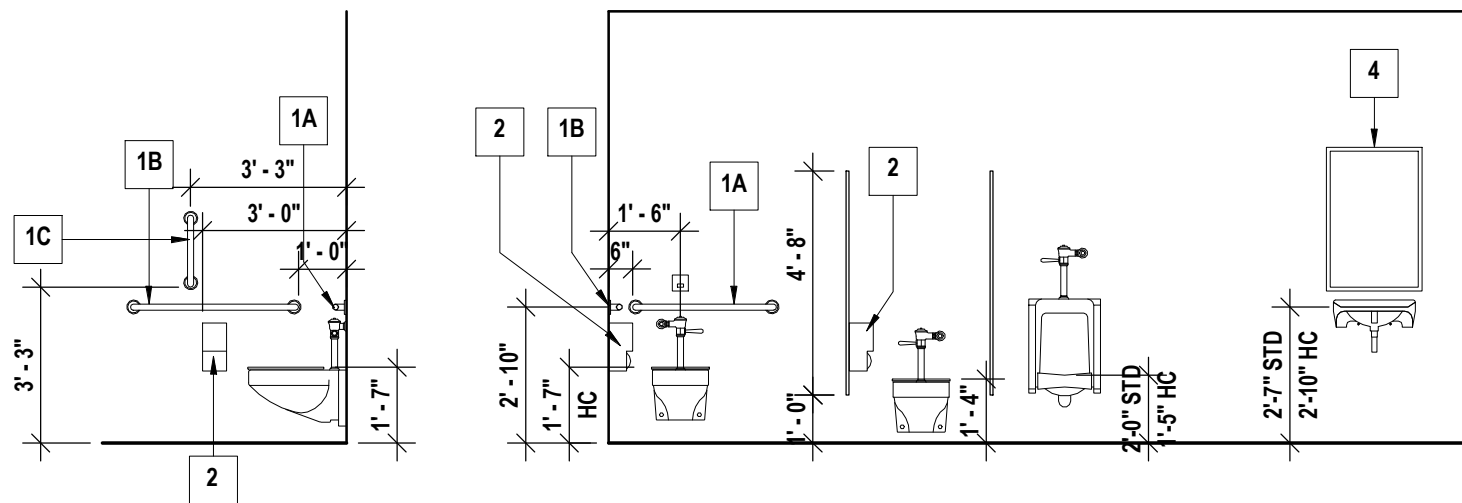
1 DOOR HEAD DETAIL  
1 1/2" = 1'-0"

### FINISH KEY

Abbr.	Material Type	Manufacturer	Series	Size	Number	Color	Section #	Location/Remarks
CONCRETE FLOORING								
SC-1	STAINED CONCRETE	RETROPLATE	SHERWIN WILLIAMS		TBD	TBD	03 36 00	ALL FLOORS
PAINT								
P-1	PAINT	SHERWIN WILLIAMS	-	-		TBD	09 90 00	FIELD
P-2	PAINT	SHERWIN WILLIAMS	-	-		TBD	09 90 00	ACCENT
P-3	PAINT	SHERWIN WILLIAMS	-	-		TBD	09 90 00	ACCENT
WOOD STAIN								
S-1	STAIN	MINWAX			TBD	TBD	09 90 00	FRAMING

### TOILET ROOM ACCESSORY SCHEDULE

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	SIZE	REMARKS
1A	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	36"	
1B	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	42"	
1C	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	18"	
2	TOILET PAPER DISPENSER	AMERICAN SPECIALTIES INC.	As Specified in 10 28 13		SURFACE MOUNTED
3	SOAP DISPENSER	AMERICAN SPECIALTIES INC.	As Specified in 10 28 13		
4	MIRROR	AMERICAN SPECIALTIES INC.	#600 SERIES	16"x32"	
5	ELECTRIC HAND DRYER	AMERICAN SPECIALTIES INC.	0195	15-3/32" x 11-7/32" x 3-15/16"	SURFACE MOUNTED
7	ROBE HOOK	AMERICAN SPECIALTIES INC.	As Specified in 10 28 13		MOUNTED ON BACKSIDE OF ALL TOILET DOORS



7 TYPICAL MOUNTING HEIGHT - TOILET ACCESSORIES  
1/4" = 1'-0"

SCHEDULES AND DETAILS

MARVIN PARK - PUBLIC TOILET HOUSE

OWEGO DRI PROJECT

WEST MAIN STREET, OWEGO, NY 13827

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A3.1

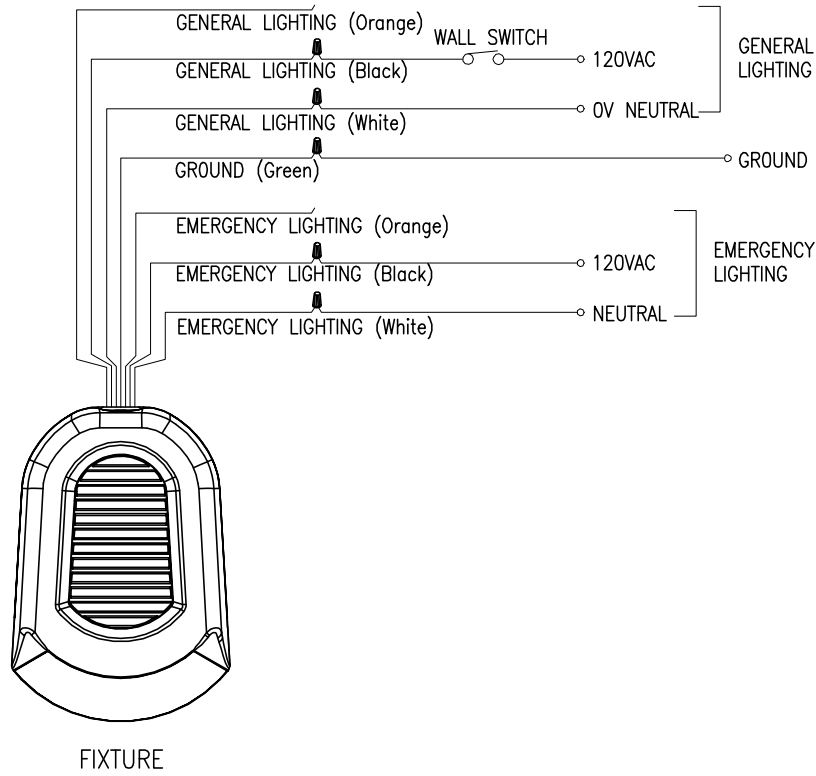
PROJECT NO: 2550.011



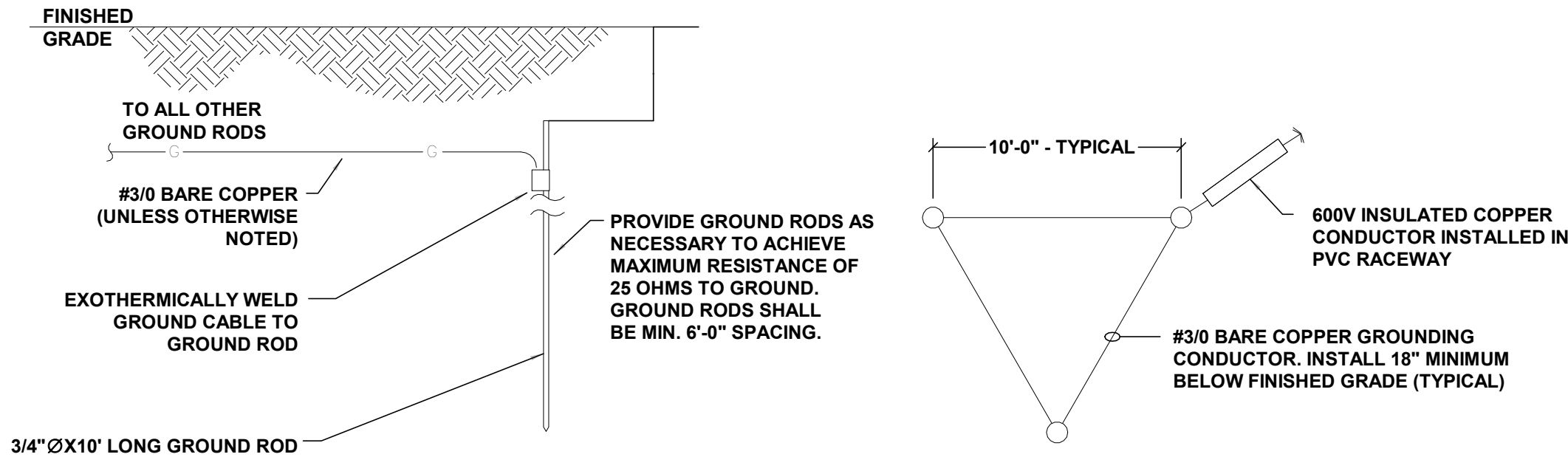
SITE LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MOUNTING	LUMENS	COLOR TEMP	WATTS	VOLTAGE	MFG./CAT. NO.	FINISH	NOTES
A	LED 2' GASKETED LINEAR	SURFACE	2700	4000K	26	UNIV	DAY-BRITE #V2WPE27L840-2-UNV-MD360W-TR	WHITE	1,3
EM1	LED EMERGENCY WALLPACK	WALL	500	4500K	3	UNIV	CHLORIDE #PLEMTT-PLHTR-WG4-BAC	TITANIUM	2
EM2	LED EMERGENCY WALLPACK	WALL	700/500	4500K	8/3	UNIV	CHLORIDE #PLACEMTT-PLHTR-BAC	TITANIUM	2

LIGHTING FIXTURE SCHEDULE NOTES:

- WET LOCATION RATED FIXTURE WITH WET LOCATION RATED OCCUPANCY SENSOR AND STAINLESS STEEL TAMPER PROOF LATCHES.
- CONTRACTOR TO PROVIDE ASSOCIATED BATTERY BACKUP WITH BATTERY HEATER AS SPECIFIED IN THE PART NUMBER GIVEN.
- FIXTURES TO BE WALL MOUNTED ~8" AFF. COORDINATE FINAL INSTALLED LOCATION TO BE CENTERED VERTICALLY IN THE NEAREST FULL WALL BLOCK.



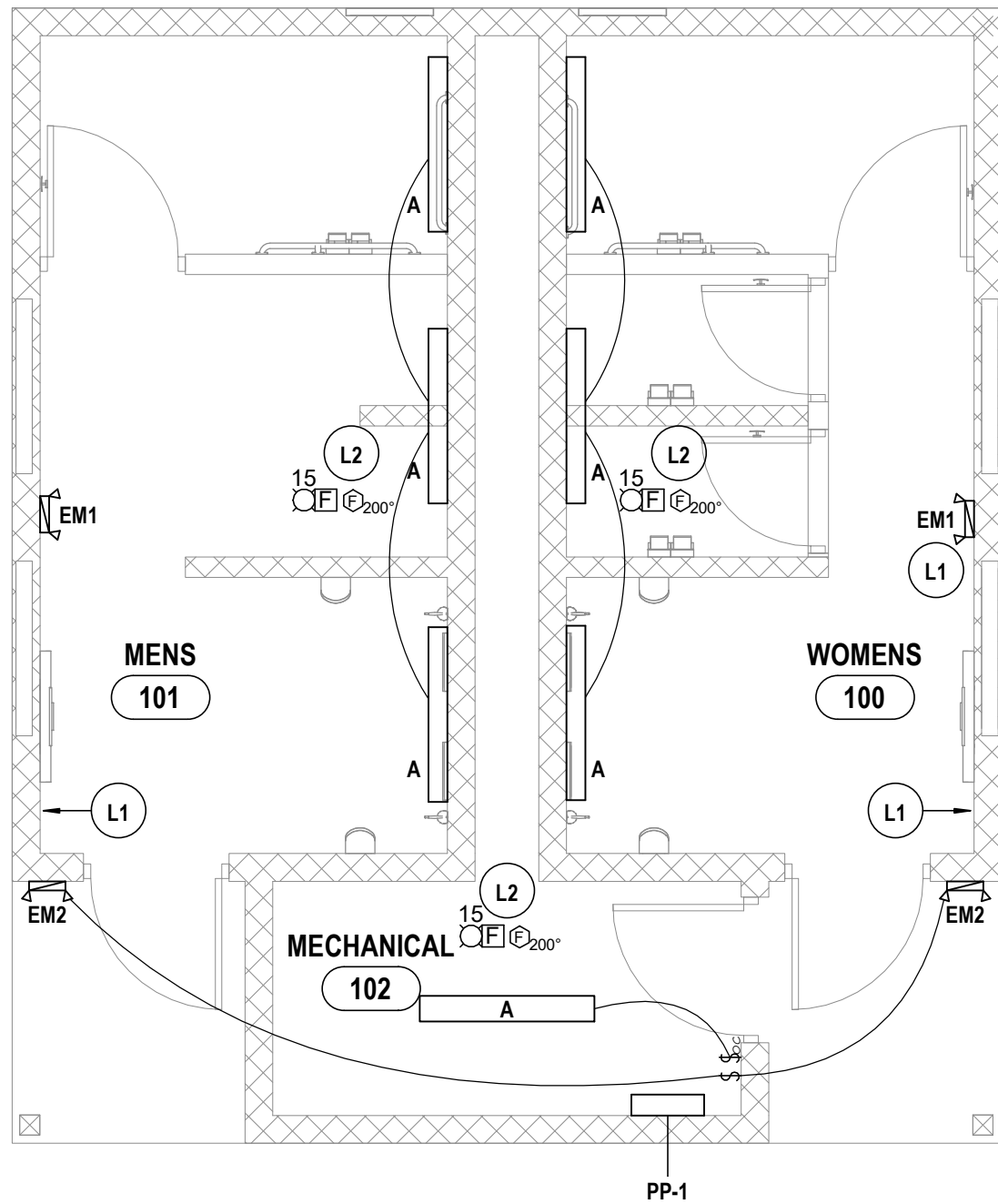
5 EM WALLPACK WIRING DIAGRAM  
12" = 1'-0"



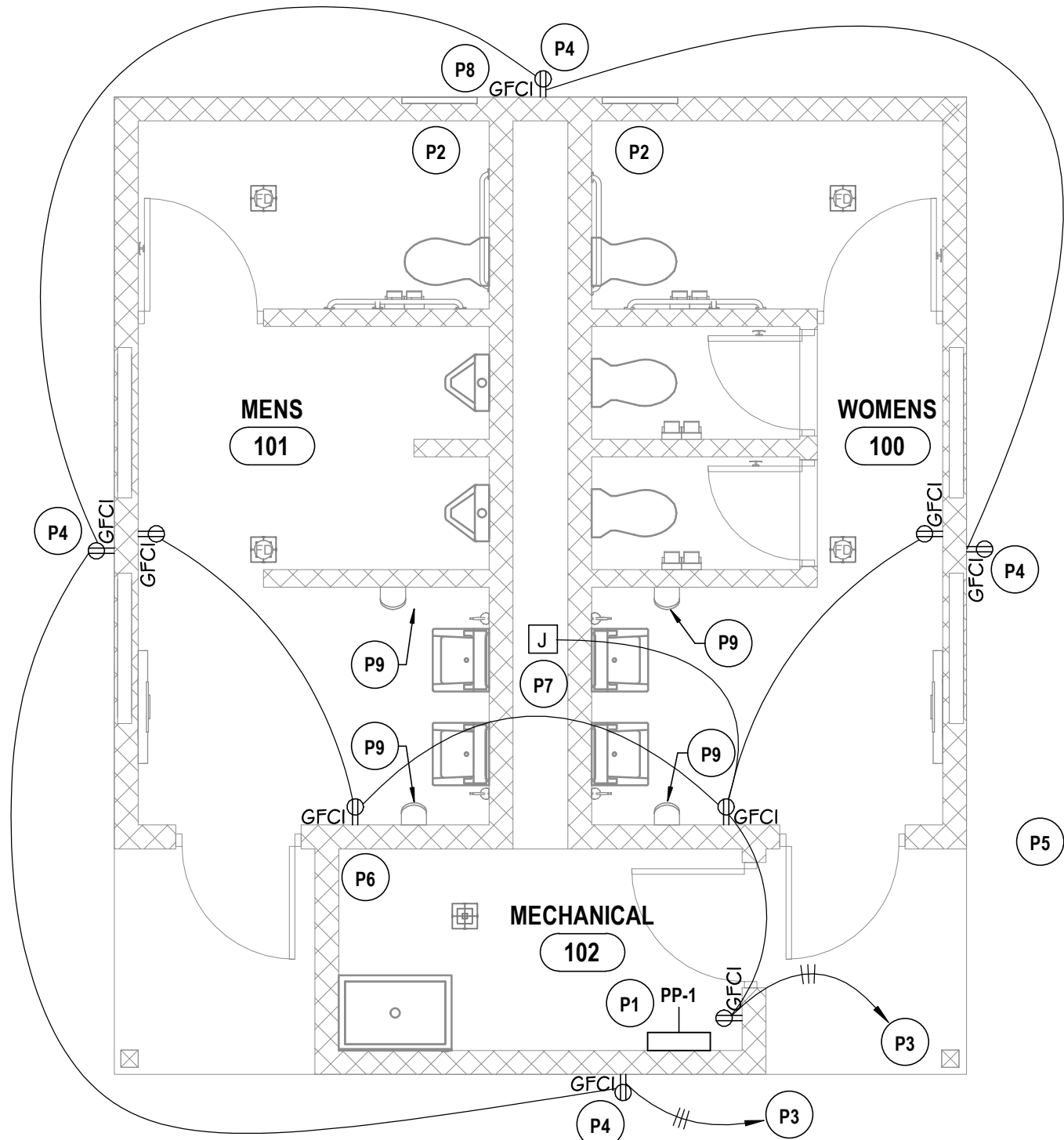
4 GROUND ROD DETAIL  
12" = 1'-0"

3 MADE GROUNDING GRID DETAIL  
12" = 1'-0"

PANEL PP-1						
CIRC. NO.	DESCRIPTION	AMP	CIRCUIT BREAKERS	AMP	DESCRIPTION	CIRC. NO.
1	LIGHTING	15	1, 2	20	RECEPTACLES - INTERIOR	2
3	SECURITY CAMERAS	20	3, 4	20	RECEPTACLES - EXTERIOR	4
5	EXHAUST FAN	15	5, 6	15	EXHAUST FAN	6
7	HAND DRYER	15	7, 8	15	HAND DRYER	8
9	HAND DRYER	15	9, 10	15	HAND DRYER	10
11	-	-	11, 12	-	-	12
13	SPARE	20	13, 14	20	SPARE	14
15	SPARE	20	15, 16	25	WATER HEATER	16
17	SPARE	20	17, 18	-	-	18
VOLTS: 120/240V 1Ø		SPACES: 18		REMARKS:		
WIRE:		MOUNTING: SURFACE				
MAIN: 60A MCB		FEED: EXISTING OVERHEAD				
AIC: 10,000 MAX AMPS		LOCATION: IN SUITE				



2 LIGHTING PLAN  
1/4" = 1'-0"



1 POWER PLAN  
1/4" = 1'-0"

GENERAL NOTES - ELECTRICAL

- A CONTRACTOR IS RESPONSIBLE FOR ALL WORK ON THIS DRAWING UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.
- B CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND INSTALLATION AND NOTIFY ENGINEER/ARCHITECT OF CONFLICTS AND CONDITIONS WHICH INTERFERE WITH INSTALLATION AS SET FORTH IN CONTRACT DOCUMENTS.
- C CONTRACTOR IS RESPONSIBLE FOR ALL NEW WALL OPENINGS, EXCAVATIONS, AND PENETRATIONS, UNLESS SPECIFICALLY NOTED. UPON COMPLETION, ALL PENETRATIONS TO BE SEALED TO MAINTAIN FIRE RATING AS SPECIFIED ON ARCHITECTURAL DRAWINGS.
- D CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING UNLESS CLEARLY INDICATED AS PART OF ANOTHER PRIME CONTRACT.
- E MINIMUM CONDUIT SIZE USED ON THIS PROJECT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- F MINIMUM WIRE SIZE USED ON THIS PROJECT SHALL BE #12 THHN/THWN UNLESS OTHERWISE NOTED.
- G ALL CABLING INSTALLATIONS AND TERMINATIONS TO ADHERE TO CURRENT NEC CODES AND RELATED ANS/ITIA/EIA STANDARDS.
- H DURING DEMOLITION OF EXISTING CABLING, ANY DAMAGE TO FUNCTIONING CABLING SYSTEM IS THE RESPONSIBILITY OF AND WILL BE REPAIRED BY THE CONTRACTOR.
- I ALL ELECTRICAL DEVICES, MATERIALS, AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES INC. (UL).
- J NEW CIRCUIT BREAKER(S) THAT ARE TO BE ADDED TO EXISTING PANELBOARD(S) SHALL BE LISTED/LABELED FOR USE WITH THE EXISTING PANELBOARD(S).
- K THE SHORT-CIRCUIT RATINGS OF ALL PROTECTIVE DEVICES SHALL BE EQUAL TO OR EXCEED THE AVAILABLE SHORT-CIRCUIT CURRENT.
- L ALL WORK TO CONFORM TO CURRENT NEC AND ALL APPLICABLE CODES.
- M CONTRACTOR TO NOTIFY ELECTRICAL ENGINEER FOR INSPECTION OF ALL INSTALLATIONS BEFORE BEING BURIED OR COVERED.
- N ALL ELECTRICAL DEVICES AND EQUIPMENT SCHEDULED FOR REMOVAL ARE CONSIDERED PROPERTY OF THE OWNER. ELECTRICAL DEVICES AND EQUIPMENT SHALL BE PLACED IN AN AREA DESIGNATED BY THE OWNER. ANY DEVICE OR EQUIPMENT THE OWNER WISHES NOT TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR.
- O CONTRACTOR IS RESPONSIBLE FOR DISCONNECTING POWER TO ANY EQUIPMENT SCHEDULED TO BE REMOVED OR REPLACED. COORDINATE WORK WITH OTHER PRIME CONTRACTORS AND DRAWINGS.
- P CONTRACTOR IS RESPONSIBLE FOR PROVIDING POWER TO ANY EQUIPMENT SCHEDULED TO BE NEWLY INSTALLED. COORDINATE WORK WITH OTHER PRIME CONTRACTORS AND DRAWINGS.
- Q CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONDUIT LOCATIONS IN FIREWALLS. A MAXIMUM OF ONE PIECE OF CONDUIT IS ALLOWED IN A NON-REINFORCED CORE. NO CONDUIT SHALL BE PLACED IN A VERTICALLY REINFORCED CORE IN A FIREWALL.
- R ALL NEW ELECTRICAL DEVICES SUCH AS, BUT NOT LIMITED TO, FIRE ALARM DEVICES, SMOKE DETECTORS, LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY/VACANCY SENSORS, AND NON-KEYED SWITCHES ARE REQUIRED TO HAVE IMPACT PROTECTION THROUGH MEANS OF IMPACT RESISTANT COVERS, OR WIRE GUARDS IN LOCKER ROOMS, GYMNASIUMS, WEIGHT ROOMS, FITNESS CENTERS, WRESTLING ROOMS, AND CAFETERIAS.

CONSTRUCTION NOTES - POWER

- P1 PROVIDE 100A/1PH, 22KAIC, 18 SPACE, 60A MCB PANELBOARD IN LOCATION SHOWN AND LABEL "PP-1". THIS PANEL IS TO SERVE ALL LOADS PERTAINING TO THIS BUILDING UNLESS OTHERWISE NOTED. PROVIDE GROUNDING RING AT BUILDING ACCORDING TO DETAILS AND SPECIFICATIONS. EXISTING OVERHEAD PANEL FEED FROM 100A/2P BREAKER THE POOL MECHANICAL BUILDING MAIN PANELBOARD IS TO BE DISCONNECTED PRIOR TO DEMOLITION AND THEN EXTENDED TO EXISTING MID POLE NEIGHBORING NEW BUILDING LOCATION. FROM THAT POINT PROVIDE A WEATHERHEAD AND UNDERGROUND CONDUIT AND CABLING ~50FT INTO THE BUILDING TO BOTTOM FEED PANEL "PP-1".
- P2 PROVIE 15A/1P BREAKER IN PANEL PP-1 AND CIRCUIT TO EXHAUST FAN IN THIS LOCATION USING 3#12, 1/2" C. EXHAUST FAN IS TO TURN ON/OFF WITH OCCUPANCY SENSOR CONTROLLING THE LIGHTING IN THE SPACE.
- P3 PROVIDE 20A/1P BREAKER IN PANEL PP-1 AND CIRCUIT TO RECEPTACLES AS SHOWN USING 3#12, 1/2" C.
- P4 PROVIDE GFCI RECEPTACLE IN WEATHERPROOF, IN-USE RATED ENCLOSURE IN THIS LOCATION AND CIRCUIT AS INDICATED.
- P5 EXISTING OVERHEAD LINES NOT ONLY SERVE THE TOILET ROOM BUILDING, BUT ALSO CONTINUE ON PAST THE BUILDING AND SERVE OTHER LOADS IN THE PARK. ENSURE PROPER RECONNECTION OF OVERHEAD LINES AFTER EXTENDING TO MID POLE SUCH THAT AT THE END OF THE PROJECT ALL EXISTING LOADS ARE FUNCTIONING PROPERLY.
- P6 PROVIDE 25A/2P BREAKER IN PANEL "PP-1" AND CIRCUIT TO WATER HEATER IN THIS LOCATION USING 3#10, 1" C.
- P7 PROVIDE JUNCTION BOX WITHIN THE ACCESSIBLE SPACE OF THE WALL CAVITY TO PROVIDE 120V POWER TO POWERED FAUCETS. CONNECT TO RECEPTACLE CIRCUIT AS SHOWN USING 3#12, 1/2" C.
- P8 PROVIDE 120V POWER TO SECURITY CAMERA CONROL BOX IN THIS LOCATION. CIRCUIT TO PANEL USING 3#12, 3/4" C. COORDINATE FINAL INSTALLED LOCATION PRIOR TO ROUGH IN.
- P9 PROVIDE POWER TO HAND DRYER IN THIS LOCATION. CIRCUIT TO 20A/1P BREAKER IN PANEL "PP-1" USING 3#12, 3/4" C.

CONSTRUCTION NOTES - LIGHTING & FA

- L1 PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR. OCCUPANCY SENSOR TO SERVE GENERAL PURPOSE LIGHTING AND EXHAUST FANS IN THE SPACE. SENSORS WILL PROVIDE THE OCCUPANTS WITH A MINIMUM OF 15 MINUTES OF RUN TIME.
- L2 PROVIDE 120V HARD WIRED, STAND ALONE FIRE ALARM SYSTEM AS SHOWN. DETECTION DEVICES ARE TO INITIATE AUDIO AND VISUAL ALARM DEVICES THROUGHOUT THE SYSTEM. DETECTION DEVICES ARE TO BE INSTALLED WITHIN 1' OF THE ROOF PEAK.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS  
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TOWNHALL, NY 607-958-7950 BINGHAMTON, NY 607-785-8081  
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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

ELECTRICAL PLANS  
MARVIN PARK - PUBLIC TOILET HOUSE  
OWEGO DRI PROJECT  
WEST MAIN STREET, OWEGO, NY 13827

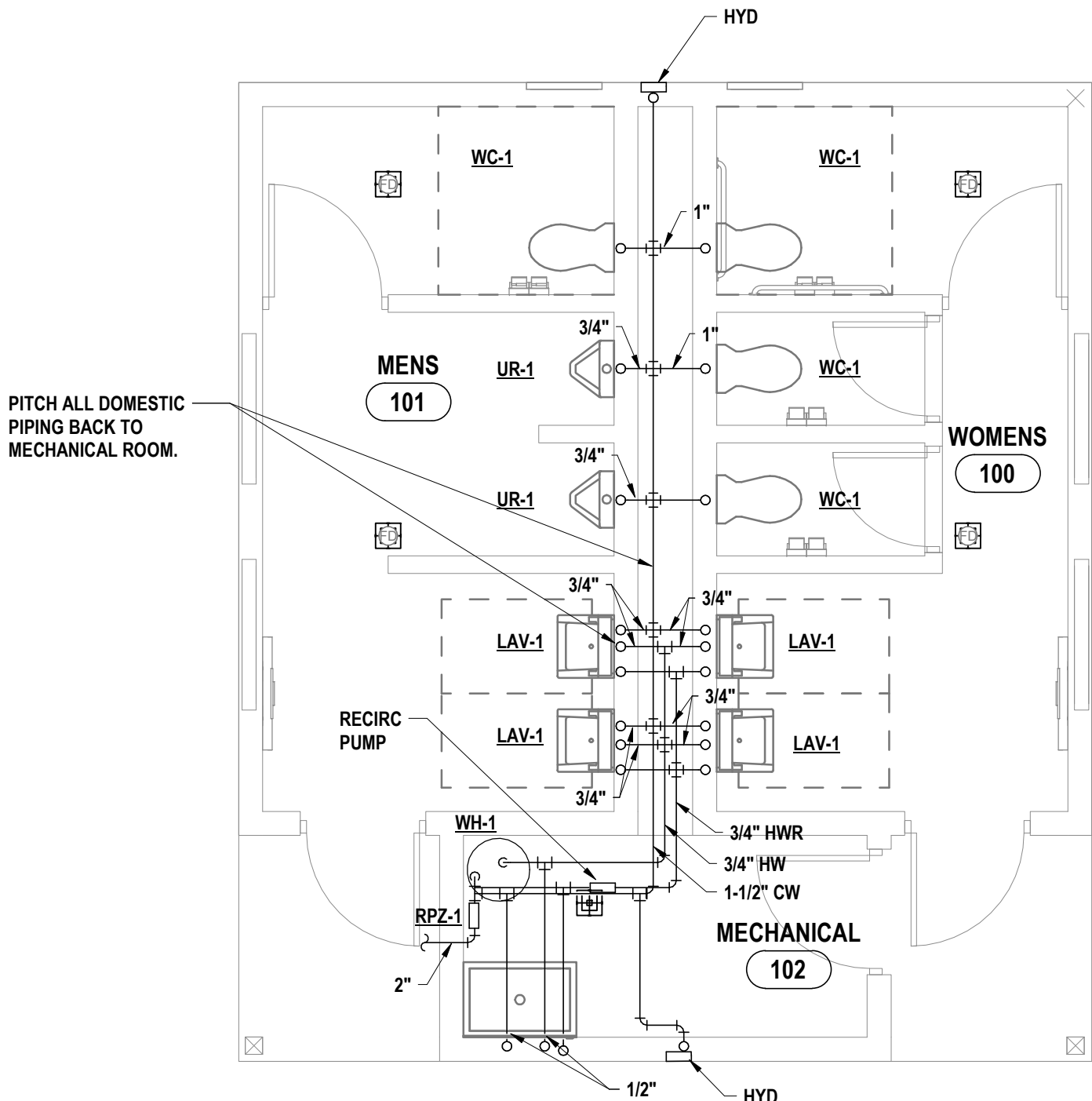
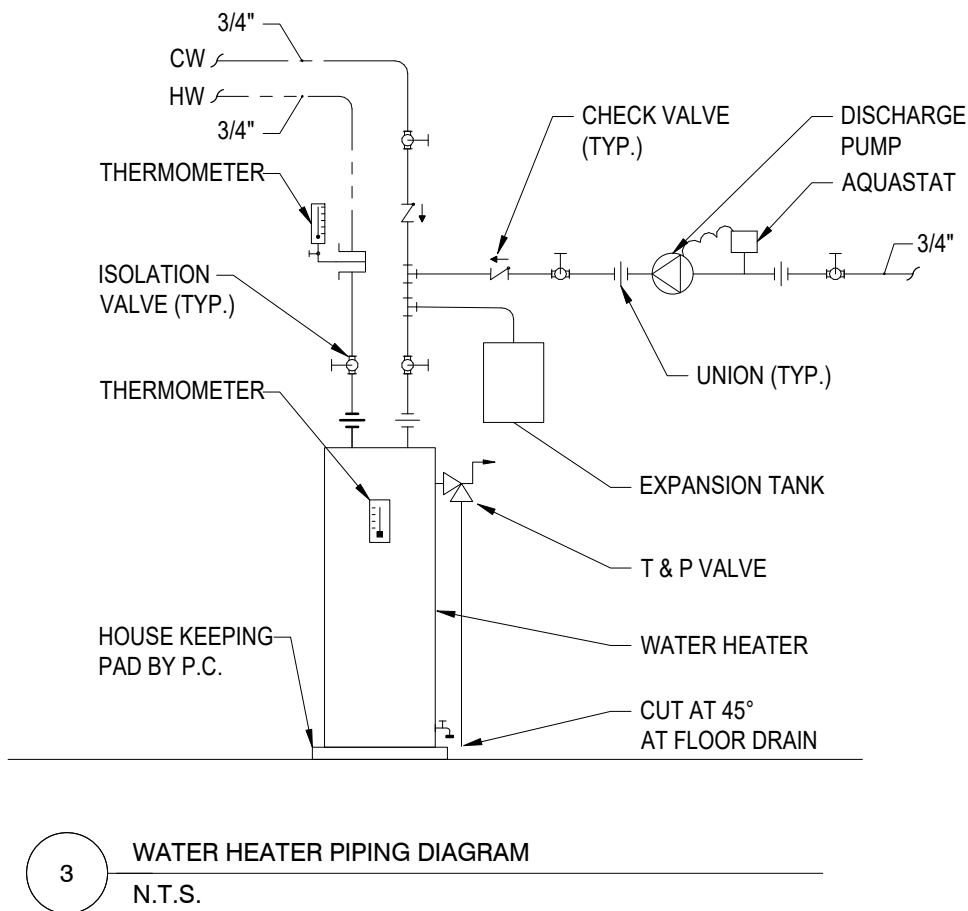
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PROJECT NO: 2550.011

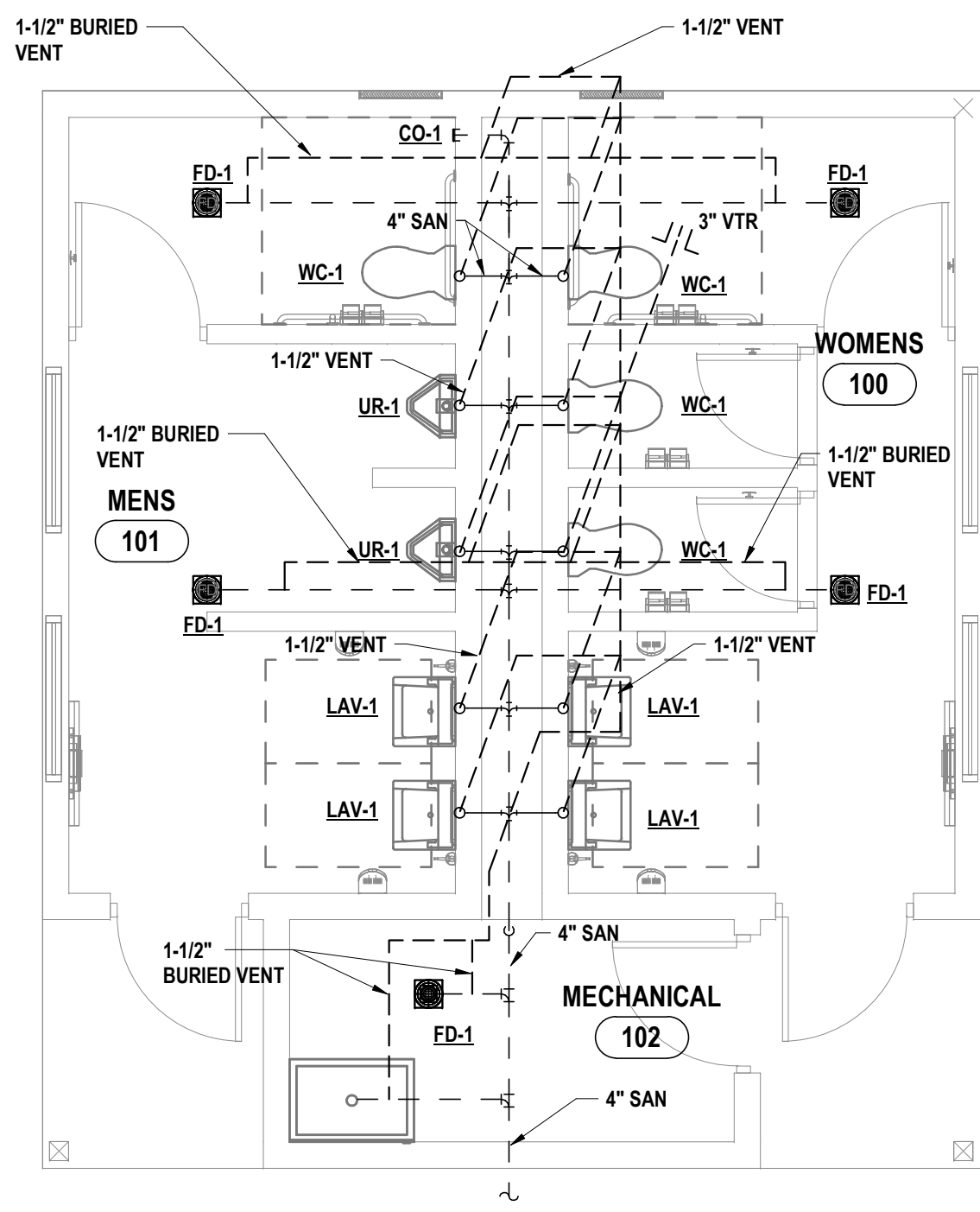
DRAWN BY:	KMH	Copyright: 2023
CHECKED BY:	GH	
DATE:	2/24/2023	
PHASE:	BID	
DESCRIPTION OF REVISION:		"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."
DATE:		
#		

PLUMBING FIXTURE SCHEDULE				
NO.	TYPE	MFG./MODEL	TRIM	REMARKS
WC-	WATER CLOSET, WALL MOUNT, COLOR: WHITE	AMERICAN STANDARD 2257.101, 1.28 GPF 1-1/2 INCH TOP SPUD	FLUSH VALVE: MANUAL SLOAN ROYAL 111-1.28, 1.28 GPF	ELONGATED BOWL. PROVIDE ELONGATED SEAT SIMILAR TO BENEKE 527-SS, FLOOR MOUNTED CARRIER. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT.
UR-	URINAL, WALL MOUNT, COLOR: WHITE	AMERICAN STANDARD 6590.001EC, 0.50 GPF 3/4 INCH TOP SPUD	FLUSH VALVE: MANUAL SLOAN ROYAL 186-0.5, 0.50 GPF	PROVIDE FLOOR MOUNTED CARRIER. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT.
LAV-	LAVATORY, WALL MOUNT, ADA COMPLIANT, COLOR: WHITE	AMERICAN STANDARD 0355.012 (3 HOLES ON 2" CENTERS)	FAUCET: SENSORED (ELECTRIC) CHICAGO 116.101 AB.1, 0.50 GPM	PROVIDE INFRARED FAUCET WITH 4 INCH COVER PLATE SIMILAR TO CHICAGO FAUCET MODEL 240.627.21.1, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS, ESCUTCHEON PLATES AND PIPE COVERS. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A, B, C.
MS-	MOP SINK, CORNER	ACORN ENGINEERING TNC-24-SH-SSC	FAUCET: CHICAGO 897-RCF (WALL MOUNT FITTINGS, CONCEALED SUPPLY)	PROVIDE MOP HOLDER AND HOSE BRACKET.
WH-	WATER HEATER, ELECTRIC	AOSMITH ENL30		4.5 KW RATING. COORDINATE INSTALLATION WITH SINK. NOTE A.
RPZ-1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSY. (DOMESTIC WATER)	WATTS LF909QT-S (2") WITH STRAINER (OUTSIDE STEM & YOKE)	PROVIDE WATTS AIRGAP FITTING MODEL 909AG-F	PROVIDE LEAD FREE ASSEMBLY. INSTALL IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF HEALTH CROSS CONNECTION STANDARD.
HYD	HYDRANT, EXTERIOR WALL MOUNT IN RECESSED LOCKABLE BOX	ZURN Z-1300	ANTI-SIPHON, NON-FREEZE, AUTOMATIC DRAINING	PROVIDE KEYS TO OWNER.

- NOTES:
- A. REFER TO PLUMBING FIXTURE ELECTRICAL REQUIREMENTS SCHEDULE.
- B. PROVIDE CONCEALED ARM FIXTURE SUPPORT FOR NEW LAVATORY WITH UPRIGHT WELDED FEET AND ADJUSTABLE HEADERS, INSTALLED WITHIN WALL / CHASE.
- C. VERIFY LOCATION OF FLOOR DRAIN / FLOOR SINK / FLOOR CLEANOUT APPLY CORRECT APPLICATION, RECESSED FOR TILE, RECESSED FOR TERRAZZO.
- D. PROVIDE TRAP PRIMER VALVE SIMILAR TO PRECISION PLUMBING PRODUCT MODEL P FOR FLOOR DRAIN AND FLOOR SINK AND CONNECT VALVE TO NEAREST ACCESSIBLE COLD WATER PIPING. VALVE MUST BE INSTALLED A MINIMUM OF 12 INCHES ABOVE FINISHED FLOOR. PROVIDE PIPING FROM VALVE TO FLOOR DRAIN / FLOOR SINK PER VALVE MANUFACTURERS INSTALLATION INSTRUCTIONS.



2 FIRST FLOOR DOMESTIC PLAN - AREA A  
1/4" = 1'-0"



1 FIRST FLOOR SANITARY PLAN  
1/4" = 1'-0"

**HUNT** ENGINEERS | ARCHITECTS | SURVEYORS  
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ALBANY, NY 607-738-8081 WWW.HUNT-EAS.COM  
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

FIRST FLOOR PLUMBING PLAN  
MARVIN PARK - PUBLIC TOILET HOUSE  
OWEGO DRI PROJECT  
WEST MAIN STREET, OWEGO, NY 13827

**P1.1**  
PROJECT NO: 2550.011

DESCRIPTION OF REVISION:		DRAWN BY:	JWR
		CHECKED BY:	JDG
		DATE:	2/24/2023
		PHASE:	BID
#	DATE:		

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GENERAL STRUCTURAL NOTES

A. BUILDING CODES AND STANDARDS

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATION REFERENCED WITHIN, SHALL APPLY TO THE DESIGN, CONSTRUCTION, QUALITY CONTROL AND SAFETY OF ALL WORK PERFORMED ON THE PROJECT.

- a. "2020 BUILDING CODE OF NEW YORK STATE"
- b. "MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES", (ANSI/ASCE 7) AMERICAN SOCIETY OF CIVIL ENGINEERS.

2. ADDITIONAL CODES FOR MATERIALS SHALL BE FOUND IN THE APPROPRIATE SECTIONS THAT FOLLOW. SEE THOSE SECTIONS FOR THE APPLICABLE CODES.

B. DESIGN LOADS

1. GRAVITY - DEAD LOADS

AREA	PSF
NEW ROOF	15 PSF

2. GRAVITY - LIVE LOADS

- a. ROOF LIVE LOAD 20 PSF MIN. (SNOW LOAD USED WHEN GREATER)

- b. ROOF SNOW LOAD 34 PSF- DRIFTING (WHERE APPLICABLE)
- (1) GROUND SNOW LOAD (Pg) = 40 PSF
- (2) EXPOSURE FACTOR (Ce) = 1.0
- (3) IMPORTANCE FACTOR (I) = 1.00
- (4) THERMAL FACTOR (Ct) = 1.20
- (5) SLOPE FACTOR (Cs) = 1.00
- (6) DRIFT SURCHARGE NA

c. FLOOR LIVE LOADS

AREA	PSF
SLAB-ON-GRADE, TYPICAL U.N.O.	100 PSF

3. WIND LOADS

- a. BASIC WIND SPEED (V) = 110 MPH
- b. ALLOWABLE DESIGN WIND SPEED (Vasd) = 85 MPH
- c. OCCUPANCY RISK CATEGORY II
- d. WIND EXPOSURE CATEGORY C
- e. ENCLOSED BUILDING (GCp) = ±0.18
- f. MODIFICATION FACTORS (Kz)=0.85, (Kzt) = 1.0, (Kd) = 0.85, (Ke) = 0.97
- g. MAIN WIND-FORCE RESISTING SYSTEM LOADS (PSF)

WIND PERPENDICULAR TO RIDGE					
WINDWARD (PER ZONE)		LEEWARD (PER ZONE)		OVERHANG (PER ZONE)	
INTERIOR	END	INTERIOR	END	INTERIOR	CORNER
WALL: ROOF:	WALL: ROOF:	WALL: ROOF:	WALL: ROOF:	WALL: ROOF:	WALL: ROOF:
7.3 -18.9	13.0 -27.1	-12.9 -14.1	-17.3 -18.5	-38.4	-30.2

WIND PARALLEL TO RIDGE					
WINDWARD (PER ZONE)		LEEWARD (PER ZONE)		SIDEWALL (PER ZONE)	
INTERIOR	END	INTERIOR	END	WALL: ROOF:	WALL: ROOF:
WALL: ROOF:	WALL: ROOF:	WALL: ROOF:	WALL: ROOF:	WALL: ROOF:	WALL: ROOF:
4.8	9.3	-10.2	-13.2	-13.7	-14.3

ROOF		ROOF		OVERHANG (PER ZONE)	
ZONE 2:	ZONE 2e:	ZONE 3:	ZONE 3e:	WALL: ROOF:	WALL: ROOF:
-18.9	-27.1	-11.94	-15.4	-38.4	-26.7

h. COMPONENTS AND CLADDING - WALL NET DESIGN WIND PRESSURES (PSF)

EFFECTIVE AREA	INTERIOR ZONE	END ZONE
105F	25.6 -27.8	25.6 -34.3
500SF	19.1 -21.3	19.1 -21.3

i. COMPONENTS AND CLADDING - ROOF NET DESIGN WIND PRESSURES

ROOF SLOPE (7° TO 20°)			
EFFECTIVE AREA	INTERIOR ZONE 1	END ZONE 2e	END ZONE 2i
2 SF	19.1 -47.3	19.1 -47.3	19.1 -69.0
10 SF	16.0 -47.3	16.0 -47.3	16.0 -69.0
20 SF	16.0 -47.3	16.0 -47.3	16.0 -69.3
100 SF	16.0 -14.8	16.0 -14.8	16.0 -37.6
250 SF	16.0 -14.8	16.0 -14.8	16.0 -25.6

EFFECTIVE AREA	RIDGE ZONE 2i	CORNER ZONE 3e	END ZONE RIDGE 3R
2 SF	19.1 -69.0	19.1 -69.0	19.1 -82.1
10 SF	16.0 -69.0	16.0 -69.0	16.0 -82.1
20 SF	16.0 -59.3	16.0 -59.3	16.0 -70.1
100 SF	16.0 -37.6	16.0 -37.6	16.0 -43.0
250 SF	16.0 -25.6	16.0 -25.6	16.0 -43.0

j. COMPONENTS AND CLADDING - ROOF OVERHANG NET DESIGN WIND PRESSURES (PSF)

ROOF SLOPE (7° TO 20°)			
EFFECTIVE AREA	INTERIOR ZONE 1	END ZONE 2e	END ZONE 2i
10 SF	-58.2	-58.2	-79.9
20 SF	-58.2	-58.2	-72.3
100 SF	-36.5	-36.5	-56.0
250 SF	-36.5	-36.5	-47.3

EFFECTIVE AREA	RIDGE ZONE 2i	CORNER ZONE 3e	END ZONE RIDGE 3R
10 SF	-79.9	-92.9	-106.0
20 SF	-72.3	-78.8	-90.8
100 SF	-56.0	-51.7	-53.9
250 SF	-47.3	-36.5	-53.9

4. LATERAL LOADS: SEISMIC

- a. SEISMIC BASE SHEAR: (V) = 5.07 KIPS
- b. OCCUPANCY RISK CATEGORY II
- c. IMPORTANCE FACTOR (I) = 1.00
- d. SITE CLASS D (ASSUMED)
- e. SEISMIC DESIGN CATEGORY B
- f. SPECTRAL RESPONSE ACCELERATION (Sds) = 0.119 (Ss) = 0.1116 (sd1) = 0.071 (s1) = 0.04417
- g. SEISMIC FORCE-RESISTING SYSTEM ORDINARY REINFORCED MASONRY SHEAR WALLS
- h. RESPONSE MODIFICATION FACTOR (R) = 2.00
- i. ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

5. FLOOD LOAD

- a. AREA INSIDE 100 YEAR FLOOD AREA PER FEMA FLOOD INSURANCE MAP #36107C0382E.

6. ROOF RAIN LOAD DATA

- a. RAIN INTENSITY (100 YEAR 60 MIN. DURATION) (I) = 2.30 IN/HR.

C. FOUNDATION/EARTHWORK/GEOTECHNICAL REPORT

1. DESIGN DATA:

- a. NO GEOTECHNICAL INFORMATION HAS BEEN PROVIDED BY THE OWNER AT THIS TIME. FOUNDATIONS ARE DESIGNED BASED ON ASSUMED BEARING PRESSURES AND SHALL BE CONFIRMED BY A GEOTECHNICAL ENGINEER BEFORE PLACEMENT OF FOUNDATIONS.

- b. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 4'-0" BELOW GRADE AND 1'-6" BELOW INTERIOR FINISHED FLOOR GRADE. IN CASE OF CONFLICT, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IN ADVANCE OF ANY CONSTRUCTION TO ALLOW FOR ADJUSTMENT.

2. FOUNDATION SYSTEM

a. SPREAD FOOTINGS

- (1) BUILDING SPREAD AND STRIP FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL SOILS OR PROPERLY PLACED AND COMPACTED ENGINEERED FILL WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 2000 PSF. BEARING PRESSURES SHALL BE VERIFIED BY AN EXPERIENCED QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FOUNDATIONS.

3. GENERAL

- a. SEE THE SPECIFICATIONS FOR EXCAVATION, DEWATERING AND PREPARATION OF THE FOUNDATION AND SLAB-ON-GRADE SUBGRADE, INCLUDING COMPACTION PROCEDURES.
- b. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM AS SHOWN PRIOR TO STARTING WORK.
- c. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTING ALL EXISTING UTILITIES, EXISTING STRUCTURES, ETC., WHETHER INDICATED OR NOT, WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS.
- d. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.
- e. BEARING ELEVATIONS INDICATED ON THE DRAWINGS ARE ESTIMATED FROM SOIL BEARING. PRIOR TO PLACING FOUNDATIONS, AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER SHALL MAKE DETERMINATION OF FINAL BEARING ELEVATIONS AND VERIFICATION OF ALLOWABLE BEARING PRESSURE.
- f. CONCRETE FOR FOUNDATIONS SHALL BE POURED ON THE SAME DAY SUBGRADE APPROVAL IS GIVEN BY THE GEOTECHNICAL ENGINEER.
- g. THE SLOPE BETWEEN THE LOWER EDGES OF ADJACENT FOUNDATIONS SHALL NOT EXCEED 45 DEGREES WITH THE HORIZONTAL, UNLESS INDICATED OTHERWISE ON PLANS. MAINTAIN A 1:1 SLOPE FROM BOTTOM EDGE OF ANY EXCAVATION.
- h. FOLLOWING REQUIRED STRIPPING OPERATIONS, ANY PROOFROLLING SHALL BE AS DIRECTED BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER. THE PURPOSE OF THE PROOFROLLING WILL BE TO LOCATE ANY ISOLATED AREAS OF SOFT OR LOOSE SOILS REQUIRING IMPROVEMENT OR REPLACEMENT. SOFT AREAS SHALL BE UNDERCUT AND REPLACED BY PROPERLY COMPACTED MATERIALS.
- i. ALL SHORING, SHEETING, AND DEWATERING SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION SHALL DESIGN SHEETING AND SHORING. ALL SUBMITTALS SHALL BEAR THE ENGINEER'S SEAL AND SIGNATURE.

4. BACKFILL

- a. ALL BACKFILL SHALL BE ACCOMPLISHED USING MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER, WITH OPTIMUM MOISTURE CONTENT FOR COMPACTING AND SHALL BE FREE OF DEBRIS.
- b. WHERE THE FINAL GRADE ELEVATIONS ARE APPROXIMATELY EQUAL ON BOTH SIDES OF A WALL, BACKFILL IN LIFTS TO MAINTAIN LEVEL ELEVATIONS WITHIN 10" ON BOTH SIDES AT ANY TIME.
5. STRUCTURAL FILL
- a. REFER TO SPECIFICATIONS FOR COMPACTED STRUCTURAL FILL. INSPECTION OF THE PLACEMENT OF COMPACTED STRUCTURAL FILL SHALL BE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER.
- b. APPROVED MATERIAL SHOULD BE PLACED IN 8" MINIMUM INDIVIDUAL MOISTURE CONDITIONED AS REQUIRED TO ACHIEVE COMPACTION TO A MINIMUM IN PLACE DENSITY OF 96% MAX. IN ACCORDANCE WITH ASTM SPECIFICATION D-1557 (MODIFIED PROCTOR) FOR FILL BELOW FOOTINGS AND SLABS-ON-GRADE.

D. CONSTRUCTION

1. GENERAL

- a. UNAUTHORIZED REPRODUCTION OF ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.
- b. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE WEIGHTS OF MATERIALS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED IN THE DESIGN LOADS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSE WORK, STAGINGS, BRACING, SHEETING AND SHORING, ETC. ALL SHORING CALCULATIONS AND DRAWINGS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF NEW YORK.
- c. IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES, DETAILS AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN.
- d. IMPLEMENTING JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- e. ALL COSTS OF INVESTIGATION AND/OR REDESIGN, DUE TO THE CONTRACTOR MIS LOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE PROJECT DOCUMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.
- f. CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND OTHER APPLICABLE DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, AND DEPRESSIONS.
- g. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, FIREPROOFING, WATERPROOFING, ETC.
- h. CONTRACTOR SHALL FURNISH DIMENSIONED SHOP DRAWINGS AT ALL LEVELS LOCATING FLOOR AND ROOF EDGES FOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER.
- i. CONTRACTOR SHALL FURNISH DIMENSIONED SHOP DRAWINGS AT ALL LEVELS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES.
- j. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION FOR THE FOLLOWING ASSEMBLIES. THIS REVIEW SHALL BE FOR GENERAL CONFORMANCE WITH THE PROJECT PARAMETERS AS INDICATED ON THE DRAWINGS AND IN THE GENERAL NOTES. THE DESIGN OF THESE ASSEMBLIES IS THE RESPONSIBILITY OF THE ENGINEER WHO HAS SIGNED AND SEALED THESE DRAWINGS AND CALCULATIONS. THE DESIGN OF THESE ASSEMBLIES SHALL TAKE INTO ACCOUNT ALL VERTICAL AND LATERAL LOADS REQUIRED BY APPLICABLE BUILDING CODES.

- (1) SHORING AND BRACING SYSTEMS FROM ALL EXISTING BUILDING SUPPORT DURING CONSTRUCTION. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL CLEARLY SHOW THE LOAD REACTIONS AS APPLIED TO THE BUILDING STRUCTURE.

- k. WORK NOT INCLUDED ON THE DRAWINGS BUT IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES ELSEWHERE ON THE DRAWINGS SHALL BE REPEATED.

- l. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY AND DRYWALL NON-LOADBEARING PARTITIONS, PROVIDE SLIP CONNECTIONS THAT ALLOW VERTICAL MOVEMENT AT THE HEADS OF ALL SUCH PARTITIONS. UNLESS SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT THE TOP OF THE WALLS Laterally FOR THE CODE REQUIRED LATERAL LOAD. PROVIDE COMPRESSIBLE FIRE SAFING AT THE TOP OF WALL AS REQUIRED BY ARCHITECTURAL DRAWINGS.

E. CONCRETE

1. CODES

- a. "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318", AMERICAN CONCRETE INSTITUTE.
- b. "ACI MANUAL OF CONCRETE PRACTICE - PARTS 1 THROUGH 5".
- c. "MANUAL OF STANDARD PRACTICE", CONCRETE REINFORCING STEEL INSTITUTE.

2. MATERIALS

- a. THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT.

APPLICATION	fc 28 DAYS	WIEGHT (PCF)	W/C(MAX)†
SLABS-ON-GRADE	4000	145	0.45
FOOTINGS	3000	145	0.55
COLUMNS/PIERS	4000	145	0.50
WALLS	4000	145	0.50

†PUMP MIXES: MAXIMUM WATER/CEMENT RATIO MUST BE MAINTAINED. IF ADDITIONAL WORKABILITY IS REQUIRED FOR PUMPED PLACEMENT, THE HIGH OR MID-RANGE WATER REDUCERS SHALL BE USED IN LIEU OF ADDITIONAL WATER.

- b. CEMENT: ASTM C150; TYPE I OR III  
ASTM C150; TYPE II FOR CONCRETE IN CONTACT WITH EARTH.
- c. CEMENT SUBSTITUTES: ASTM C595, TYPE IS (LIMIT TO 50% MAX OF CEMENTITIOUS CONTENT BY WEIGHT)
- d. AGGREGATES: ASTM C33 (NORMAL WEIGHT)
- e. AIR: ASTM C260  
CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED (5%±) (1-1/2%) BY VOLUME.
- f. REINFORCEMENT: DEFORMED REINFORCING BARS ASTM A615, GRADE 60  
WELDABLE DEFORMED REINF. BARS ASTM A706 OR APPROVED EQUAL  
WELDED WIRE FABRIC (WWF) ASTM A1064  
DYWIDAG MEETING ACI 318-12.14.3.4  
SPICES OR APPROVED EQUAL
- g. ANCHORING SYSTEM: ADHESIVE REINFORCING EXPANSION BOLTS HILTI HY-200 SYSTEM OR APPROVED EQUAL  
HILTI KWIK BOLT T2 OR APPROVED EQUAL

3. CAST-IN-PLACE

- a. REINFORCING STEEL CLEAR COVER SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

(1) NONPRESTRESSED/ NON-POST-TENSIONED CONCRETE:		COVER
a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH		3"
b. CONCRETE EXPOSED TO EARTH OR WEATHER:		
• #6 BARS AND LARGER		2"
• #5 BARS AND SMALLER		1-1/2"
c. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:		
• SLABS, WALLS AND JOISTS: #11 BARS AND SMALLER		3/4"
d. BEAMS, AND COLUMNS:		
• PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRALS		1-1/2"

- b. NO SPICES OF REINFORCEMENT SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. MAKE BARS CONTINUOUS AROUND CORNERS. WHEN PERMITTED, SPICES SHALL BE MADE BY CONTACT TENSION LAP SPICES, UNLESS OTHERWISE NOTED.

- c. WELDED WIRE FABRIC REINFORCEMENT SHALL BE SUPPLIED IN SHEETS, EXCEPT FOR SLAB ON GRADE CONSTRUCTION WHERE ROLLS MAY BE LAP TWO FULL MESH LENGTHS AT SPICES AND WIRE TOGETHER.

- d. NO WELDING OF REINFORCING SHALL BE PERMITTED UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY THE STRUCTURAL ENGINEER.

- e. PROVIDE PLASTIC TIPPED BOLSTERS AND CHAIRS AT ALL LOCATIONS WHERE THE CONCRETE SURFACE IN CONTACT WITH THE BOLSTERS OR CHAIRS ARE EXPOSED.

- f. CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLABS ON GRADE SHALL BE ARRANGED TO LIMIT MAXIMUM LENGTH BETWEEN JOINTS TO 15'-0" IN ANY DIRECTION. ALLOW A MINIMUM OF 48 HOURS TIME BETWEEN PLACEMENT OF ADJACENT SECTIONS.

- g. ALL FORMWORK, SHORING, AND RESHORING, SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. ALL SUBMISSIONS SHALL BEAR THE ENGINEER'S SEAL AND SIGNATURE.

- h. NO SLEEVES SHALL BE PLACED THROUGH ANY CONCRETE ELEMENT UNLESS SHOWN ON THE STRUCTURAL DRAWINGS, APPROVED SLEEVE SHOP DRAWINGS OR SPECIFICALLY AUTHORIZED IN WRITING BY THE STRUCTURAL ENGINEER.

- i. ALL INSERTS AND SLEEVES SHALL BE CAST-IN-PLACE WHENEVER FEASIBLE. DRILLED OR POWDER DRIVEN FASTENERS WILL BE PERMITTED WHEN PROVEN TO THE SATISFACTION OF THE STRUCTURAL ENGINEER THAT THE FASTENERS WILL NOT SPALL THE CONCRETE AND HAVE THE SAME CAPACITY AS CAST-IN-PLACE INSERTS.

- j. WHEN INSTALLING EXPANSION BOLTS OR ADHESIVE ANCHORS, THE CONTRACTOR SHALL TAKE MEASURES TO AVOID DRILLING OR CUTTING OF ANY EXISTING REINFORCING AND DESTRUCTION OF CONCRETE. HOLES SHALL BE BLOWN CLEAN PRIOR TO PLACING BOLTS OR ADHESIVE ANCHORS.

- k. CHAMFER ALL EXPOSED CONCRETE CORNERS, 3/4" x 3/4" MINIMUM, UNLESS NOTED THERWISE ON ARCHITECTURAL DRAWINGS.

- l. THE CONCRETE SLABS SHALL BE FINISHED, WITHIN TOLERANCE, TO THE ELEVATIONS INDICATED ON THE DRAWINGS.

- m. THE BEARING ELEVATION OF A THICKENED SLAB SHALL NOT SLOPE MORE THAN 1" FOR EVERY 2" OF HORIZONTAL DISTANCE UNLESS NOTED OTHERWISE.

- n. CONCRETE SLABS ON GRADE SHALL BE PLACED OVER A VAPOR BARRIER ON A MINIMUM 6" LAYER OF CLEAN, WELL-GRADED GRAVEL OR CRUSHED STONE CONFORMING TO THE SPECIFICATIONS COVER PROPERLY COMPACTED SUBGRADE.

4. INSPECTION AND TESTING

- a. REFER TO SPECIFICATION SECTIONS 014000, 014100 AND 033000.

F. MASONRY

1. CODES

- a. "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, TMS 402 /ACI 530 / ASCE 5" AND "SPECIFICATIONS FOR MASONRY STRUCTURES, TMS 602 / ACI 530.1 / ASCE 6" MASONRY STANDARDS JOINT COMMITTEE.

2. MATERIALS

- a. LOAD BEARING CONCRETE HOLLOW AND SOLID ASTM C90 -NORMAL WEIGHT
- b. MORTAR ASTM C270 -TYPE M (BELOW GRADE)  
-TYPE S (ABOVE GRADE)
- c. GROUT ASTM C476 -fc = 3000 PSI MIN.
- d. PRISM STRENGTH fm = 2000 PSI, UNIT STRENGTH METHOD
- e. HORIZONTAL JOINT REINFORCEMENT ASTM A951, GALVANIZED PER  
ASTM A153, CLASS B2

3. GENERAL

- a. PROVIDE GALVANIZED HORIZONTAL JOINT REINFORCEMENT IN ALL WALLS AND PARTITIONS AT 16" O.C. UNLESS OTHERWISE SHOWN OR NOTED. PROVIDE ONE PIECE PREFABRICATED UNITS AT 8" O.C. AT ALL WALL CORNERS AND INTERSECTIONS.
- b. PROVIDE MASONRY ANCHORS AT 16" O.C. SET ON COURSING AND ATTACHED TO ALL BEAMS, COLUMNS, PARTITIONS AND WALLS ABUTTING OR EMBEDDED IN MASONRY.
- c. PROVIDE BOND BEAMS WITH (2) #5 HORIZONTAL REINFORCEMENT CONTINUOUS IN ALL MASONRY WALLS AT EACH FRAMING LEVEL, AND TOP OF WALL UNLESS NOTED OTHERWISE.
- d. ALL PIERS AND PARTITIONS SHALL BE BONDED OR ANCHORED TO ADJACENT MASONRY WALLS. PROVIDE TIES TO ADJACENT FLOOR AND ROOF CONSTRUCTION IN ACCORDANCE WITH DETAILS AND DRAWINGS.
- e. IN GROUTED AND/OR REINFORCED MASONRY WALLS, USE MASONRY UNITS WITH CORES THAT ALIGN VERTICALLY TO PROVIDE CONTINUOUS UNOBSTRUCTED CELLS FOR GROUTING AND REINFORCING STEEL PLACEMENT.
- f. LAP SPICES FOR DEFORMED REINFORCING BARS USED IN MASONRY CONSTRUCTION SHALL BE 50 BAR DIAMETERS.
- g. ALL WALL SECTIONS AND PIERS LESS THAN 4 SQUARE FEET IN CROSS-SECTIONAL AREA TO BE FULLY GROUTED OR OF 100% SOLID MASONRY
- h. SUBMIT GROUT MIX DESIGN AND MASONRY UNIT CERTIFICATIONS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
- i. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SUPPORT FOR ALL MASONRY WORK UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
- j. SEE SPECIFICATIONS AND DETAILS FOR GENERAL CONTROL JOINT REQUIREMENTS. JOINTS ARE TO BE CONSTRUCTED IN ALL WALLS AND PARTITIONS.
- k. THE CONTRACTOR SHALL PROVIDE LINTELS FOR NON-LOAD BEARING WALLS AND PARTITIONS PER PLANS AND DETAILS.
- l. THE CONTRACTOR SHALL VERIFY ALL OPENINGS BELOW LINTELS INDICATED ARE ADEQUATE TO ACCEPT DOOR FRAMES, LOUVERS, ETC. AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO LINTEL INSTALLATION.
- m. NO OPENINGS SHALL BE PLACED ABOVE ANY LINTEL WITHIN A HEIGHT LESS THAN OR EQUAL TO THE WIDTH OF THE CLEAR OPENING BELOW THE LINTEL, UNLESS SPECIFICALLY SHOWN OR APPROVED BY THE STRUCTURAL ENGINEER.
- n. PROVIDE #5 BARS AT 48" O.C. MINIMUM VERTICAL REINFORCING IN SOLID GROUTED CORES FOR ALL MASONRY WALLS UNLESS NOTED OTHERWISE.

4. INSPECTION AND TESTING

- a. REFER TO SPECIFICATION SECTIONS 01 40 00, 01 41 00 AND 04 20 00.

I. WOOD

1. CODE

- a. ANSI/AWC NDS2015 "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION", AMERICAN WOOD COUNCIL
- b. AWC SDPWS2015 "SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC", AMERICAN WOOD COUNCIL
- c. "PERFORMANCE STANDARD AND POLICIES FOR STRUCTURAL USE PANELS," PRP-108, AMERICAN PLYWOOD ASSOCIATION (APA)

2. MATERIALS

- a. SAWN LUMBER DOC P520
- b. STRUCTURAL PANELS ANSI/APA PRP210 OR DOC PS1/PS2
- c. PRESERVATIVE TREATMENT AIWPA U1&M4
- d. GLUE-LAMINATED TIMBER ANSI/ATC A190.1 & ASTM D3737
- e. TIMBER PILES ASTM D25
- f. TIMBER POLES ASTM D3200
- g. WOOD JOISTS ASTM D5055

3. SAWN LUMBER

- a. SAWN LUMBER ALL SAWN LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT AND SHALL BE SURFACE DRY SOUTHERN PINE WITH THE FOLLOWING MIN. BASE DESIGN VALUES:
- CEILING JOISTS/RAFTER/BEAMS: NUMBER 1 OR BETTER
- Fb = 950 psi Fc (PAR) = 1400 psi Fv = 175 psi  
Ft = 625 psi Fc (PERP) = 480 psi E = 1,400,000 psi
- b. MEMBERS SHALL BE SET WITH CROWN SIDE UP AND HAVE A MINIMUM OF 3" BEARING.
- c. MEMBERS FRAMING TO BEAMS, HEADERS, ETC. SHALL BE SECURED WITH SIMPSON STRONG-TIE FRAMING ANCHORS OR APPROVED EQUAL, UNLESS OTHERWISE NOTED OR SHOWN.
- d. ALL BOLTS AND LAG BOLTS SHALL BE FITTED WITH GALVANIZED, MALLEABLE IRON OR STEEL PLATE WASHERS.
- e. CONNECTION DETAILS SHOW ARRANGEMENT OF STRUCTURAL MEMBERS DESIGN OF CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE BUILDER/FABRICATOR.
- f. ALL JOISTS AND RAFTERS SHALL BE RIGIDLY BRIDGED AT INTERVALS NOT EXCEEDING 8'-0" U.N.O..

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CHECKED BY:	KLR
DATE:	2/24/2023
PHASE:	BID

DESCRIPTION OF REVISION:		Copyright 2023
DATE:		
#		"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S SEAL."

STRUCTURAL GENERAL NOTES

MARVIN PARK - PUBLIC TOILET HOUSE

OWEGO DRI PROJECT

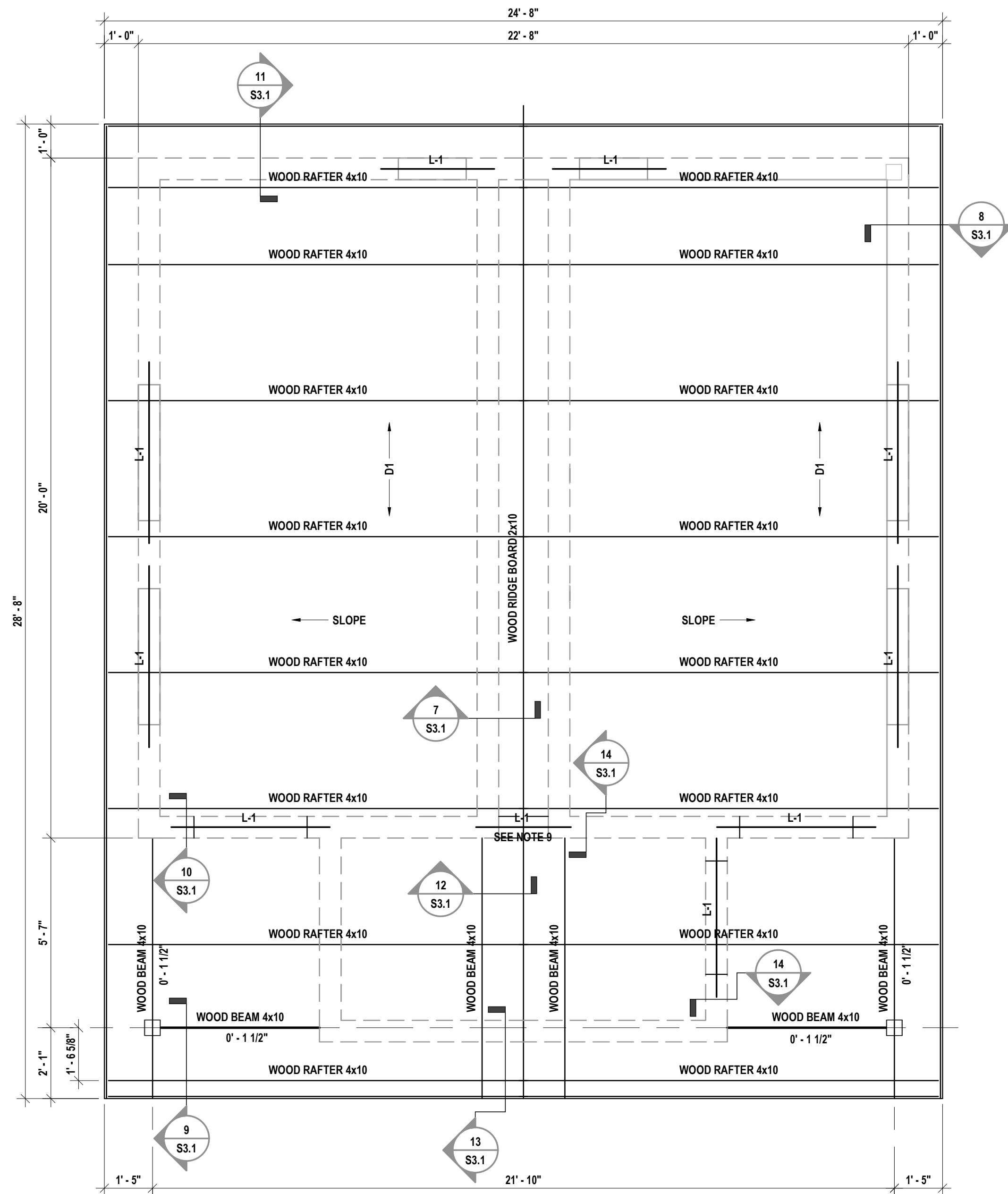
WEST MAIN STREET, OWEGO, NY 13827

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

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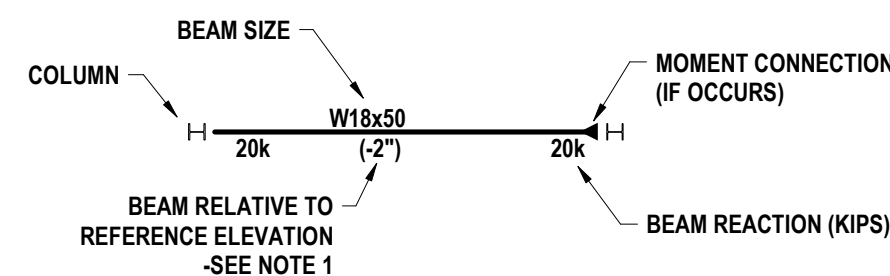
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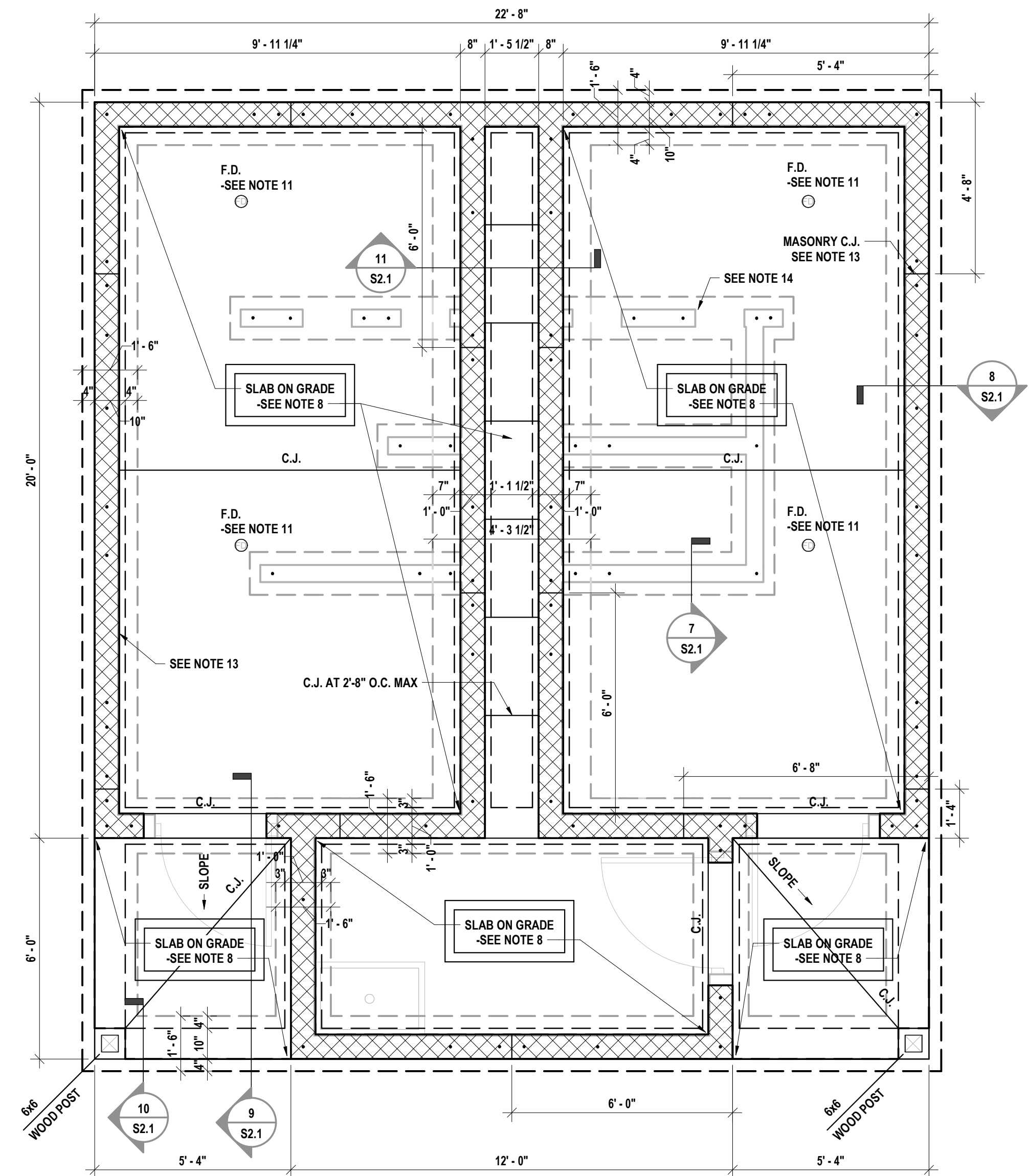
PLAN NOTES

1. TOP OF EXTERIOR RAFTER BEARING CMU WALL = 8'-8" (813.42'  $\pm$  V.I.F.), UNLESS NOTED. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED ( $\pm$ 0'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE S0.1 FOR STRUCTURAL GENERAL NOTES.
3. SEE S3.1 FOR TYPICAL DETAILS.
4. **STRUCTURAL STEEL FRAMING KEY:**

#### 4. STRUCTURAL STEEL FRAMING KEY:



5. D1 = SYP 2X6 TONGUE AND GROOVE SELECT STRUCTURAL ROOF DECKING. DECK BOARDS SHALL BE CONTINUOUS FOR A MINIMUM OF TWO SPANS.
6. WOOD RAFTERS SHALL BE SPACED AT 4'-0" O.C. MAXIMUM.
7. SEE §3.1 FOR TYPICAL LINTEL (L-4) SCHEDULE.
8. COORDINATE SIZE AND LOCATION OF ALL OPENINGS, INFILLS, AND SLEEVES WITH OTHER CONTRACTED WORK.
9. BOTTOM OF THIS LINTEL ELEVATION SHALL MATCH BOTTOM OF BOND BEAM ELEVATION. CMU WALL SHALL CONTINUE ABOVE.



**PLAN NOTES**

1. TOP OF SLAB EL=0'-0" (804.75'-V, V.L.F.) UNLESS NOTED. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED (±0'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE SHEET 50.1 FOR STRUCTURAL GENERAL NOTES, INCLUDING COMPLETION REQUIREMENTS FOR FOUNDATIONS AND SLABS.
3. SEE SHEET 52.1 FOR TYPICAL DETAILS.
4. ALL PIERS COLUMNS AND FOOTINGS SHALL BE CENTERED ON COLUMN LINES UNLESS NOTED.
5. TOP OF INTERIOR FOOTING ELEVATION = (+4'-0") UNLESS NOTED.
6. TOP OF EXTERIOR FOOTING ELEVATION = (+4'-0") UNLESS NOTED.
7. SEE "A" DRAWINGS FOR DIMENSIONS NOT SHOWN.
8. AIR-ENTRAINED 5" FIBER REINFORCED SLAB ON GRADE ADDITIONALLY REINFORCED WITH 6x6-W2.6Wx2.0 W/WF PROVIDE 4" BUILT UP CHAIRS TO HOLD W/WF IN POSITION DURING CONCRETE PLACEMENT. PROVIDE 2% SLOPE FROM BUILT UP CHAIRS TO EXTERIOR SLABS.
9. AT SLABS PROVIDE CONSTRUCTION OR CONTROL JOINTS AT A SPACING NOT TO EXCEED 15'-0" UNLESS NOTED C.J. ON PLANS. FOR ADDITIONAL INFORMATION SEE TYPICAL DETAILS.
10. PROVIDE (2) 5x4'-0" MID-DEPTH OF SLAB AT ALL INTERIOR CORNERS.
11. SLOPE SLAB 1/4" PER FOOT TO FLOOR DRAIN (F.D.) WITHIN 2'-0" AT EACH DRAIN LOCATION. COORDINATE LOCATIONS WITH "A" DRAWINGS.
12. ALL SLEEPS FOR OTHER TRADES SHALL CROSS THROUGH THE FOUNDATION WALL. STEP FOOTING AS REQUIRED. COORDINATE SIZE, LOCATION AND INVERT WITH "L" DRAWINGS AND OTHER CONTRACTED WORK.
13. 8" CMU WALL WITH #5 BARS AT 48" O.C. MINIMUM VERTICAL REINFORCEMENT IN FULLY GROUTED CORES. PROVIDE CONTINUOUS 8" BOND BEAM REINFORCED WITH (2) #5 BARS AT TOP OF WALLS AND BEARING ELEVATIONS. PROVIDE MASONRY CONTROL JOINTS IN ACCORDANCE WITH TYPICAL DETAILS. ALIGN CONCRETE FOUNDATION CONTROL JOINTS WITH MASONRY CONTROL JOINTS. SEE TYPICAL DETAILS FOR CONCRETE FOUNDATION CONTROL JOINTS.
14. 6" CMU WALL WITH #4 BARS AT 48" O.C. MINIMUM VERTICAL REINFORCEMENT IN FULLY GROUTED CORES. PROVIDE CONTINUOUS 6" BOND BEAM REINFORCED WITH ONE #5 BARS AT TOP OF WALLS.

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ENGINEERSNAUTICAL  
ENGINEERN:MAK  
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L.<sup>100</sup>

TO ALL SEAS

**HUNT**  
ENGINEERS | ARCHITECTS | SURVEYORS

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# FOUNDATION AND ROOF FRAMING PLAN

MARVIN PARK - PUBLIC TOILET HOUSE

OWEGO DRI PROJECT

WEST MAIN STREET, OWEGO, NY 13827

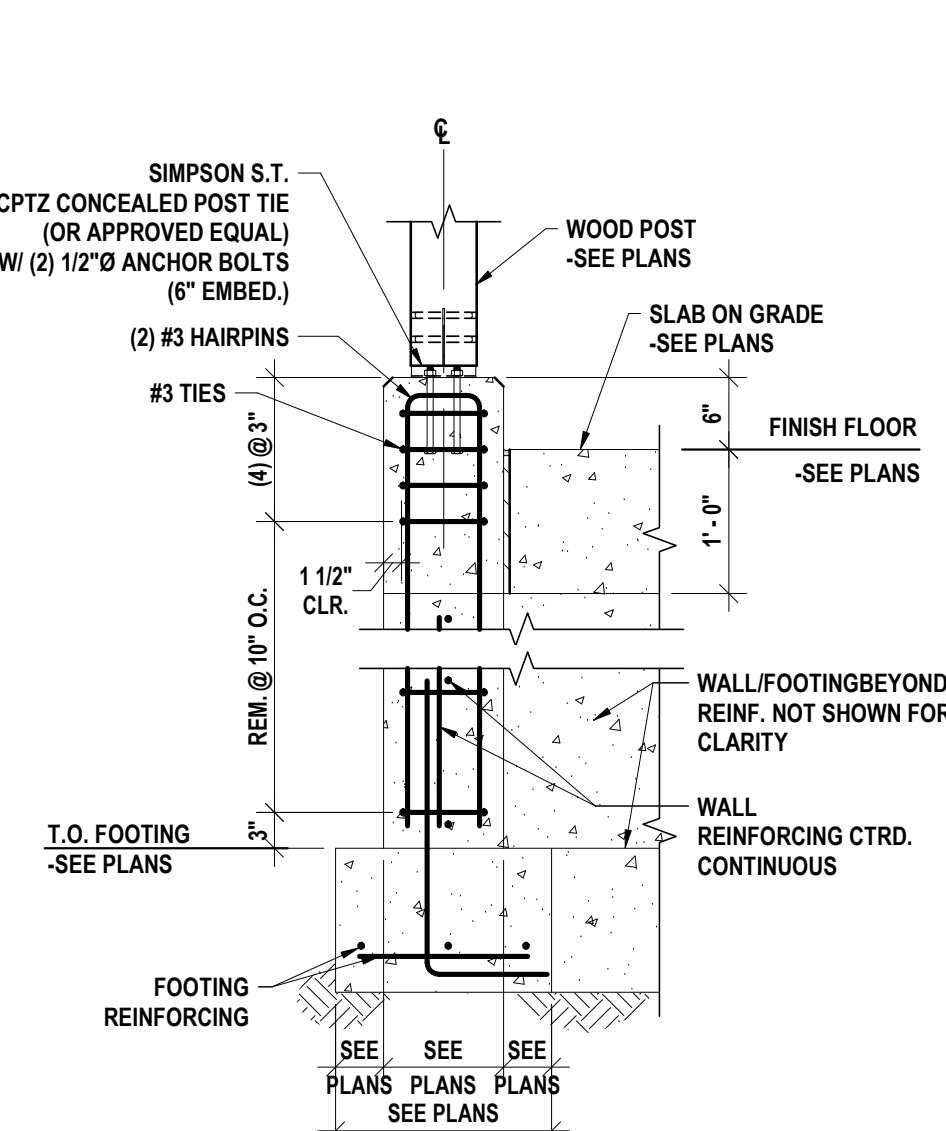
## S1.1

PROJECT NO: 2550.011

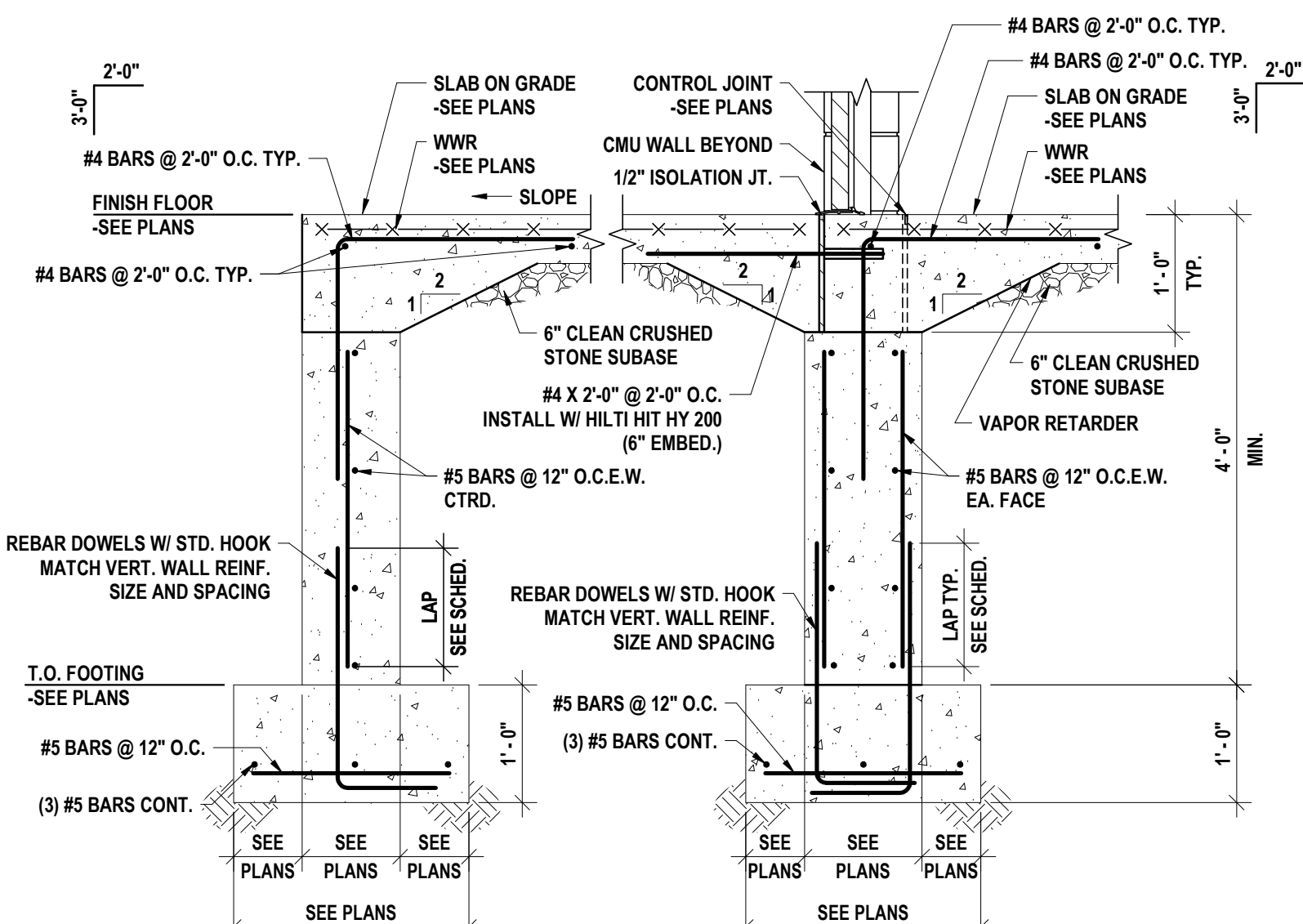


TENSION DEVELOPMENT AND LAP SPLICE LENGTHS FOR BARS IN WALLS, SLABS, AND FOOTINGS (ACI 25.4.2.3)																	
BAR SIZE	LAP CLASS	CONCRETE COVER = 0.75 IN.				CONCRETE COVER = 1.50 IN.				CONCRETE COVER = 2.00 IN.				CONCRETE COVER = 3.00 IN.			
		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED	
		TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2
#3	A	12	12	15	13	12	12	15	13	12	12	15	13	12	12	15	13
	B	15	12	19	17	15	12	19	17	15	12	19	17	15	12	19	17
#4	A	19	15	24	22	15	12	20	17	15	12	20	17	15	12	20	17
	B	24	19	32	28	20	15	25	22	20	15	25	22	20	15	25	22
#5	A	28	21	36	32	19	15	24	22	19	15	24	22	19	15	24	22
	B	36	28	47	41	24	19	32	28	24	19	32	28	24	19	32	28
#6	A	37	29	49	43	22	17	29	26	22	17	29	26	22	17	29	26
	B	48	37	63	56	29	22	38	34	29	22	38	34	29	22	38	34
#7	A	60	46	78	69	37	28	48	42	33	25	43	38	33	25	43	38
	B	78	60	102	90	48	37	62	55	42	33	55	49	42	33	55	49
#8	A	74	57	97	86	47	36	61	54	37	29	49	43	37	29	49	43
	B	96	74	126	111	60	47	79	70	48	37	63	56	48	37	63	56
#9	A	90	69	117	104	57	44	75	66	46	36	60	53	42	32	55	48
	B	117	90	153	135	74	57	97	86	60	46	78	69	55	42	71	63
#10	A	108	83	141	125	70	54	92	81	57	44	74	66	47	36	62	55
	B	140	108	183	162	91	70	119	105	74	57	97	85	61	47	80	71
#11	A	127	98	166	146	84	64	109	97	68	53	89	79	52	40	69	60
	B	165	127	215	190	109	84	142	125	89	68	116	102	68	52	89	79

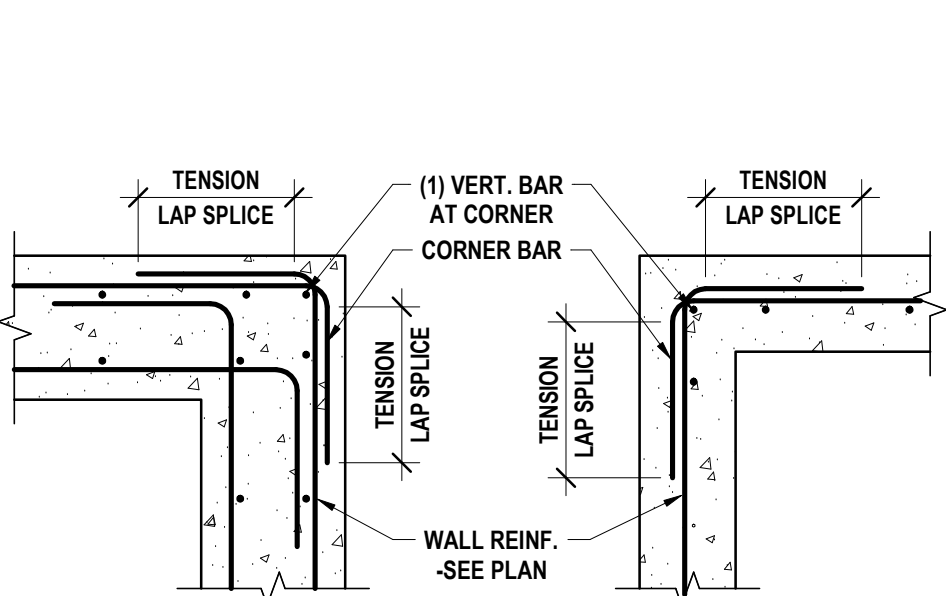
- NOTES:
- TABULATED VALUES ARE BASED ON A MINIMUM YIELD STRENGTH OF 60,000 PSI AND NORMAL-WEIGHT CONCRETE. LENGTHS ARE IN INCHES.
  - TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE CALCULATED PER ACI 318-14, SECTIONS 25.4.2.3 AND 25.5.1 RESPECTIVELY, WITH BAR SIZES LIMITED TO #3 THROUGH #11.
  - WHEN THE VARIABLE "C<sub>s</sub>" FROM ACI 25.4.2.3 WAS CALCULATED, IT WAS ASSUMED THAT CONCRETE COVER CONTROLLED. THAT IS, C-C. SPACING WAS ASSUMED TO BE GREATER THAN 1.0 d<sub>s</sub> PLUS TWICE THE CONCRETE COVER.
  - LAP SPLICE LENGTHS (MINIMUM OF 12 INCHES) ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS: CLASS A = 1.0 L<sub>d</sub> AND CLASS B = 1.3 L<sub>d</sub> (ACI 318 25.5.1) WHEN DETERMINING THE LAP SPLICE LENGTH, L<sub>d</sub> IS CALCULATED WITHOUT THE 12 INCH MINIMUM OF ACI 25.4.2.1.
  - TOP BARS ARE HORIZONTAL. BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
  - FOR EPOXY-COATED BARS, IF THE C-C. SPACING IS AT LEAST 7.0 d<sub>s</sub> AND THE CONCRETE COVER IS AT LEAST 3.0 d<sub>s</sub> THEN LENGTHS MAY BE MULTIPLIED BY 0.918 (FOR TOP BARS) OR 0.8 (FOR OTHER BARS).
  - FOR GRADE 75 REINFORCING BARS, MULTIPLY THE TABULATED VALUE BY 1.25. FOR GRADE 80 REINFORCING BARS, MULTIPLY THE TABULATED VALUES BY 1.33.
  - FOR LIGHTWEIGHT CONCRETE, DIVIDE THE TABULATED VALUES BY 0.75.



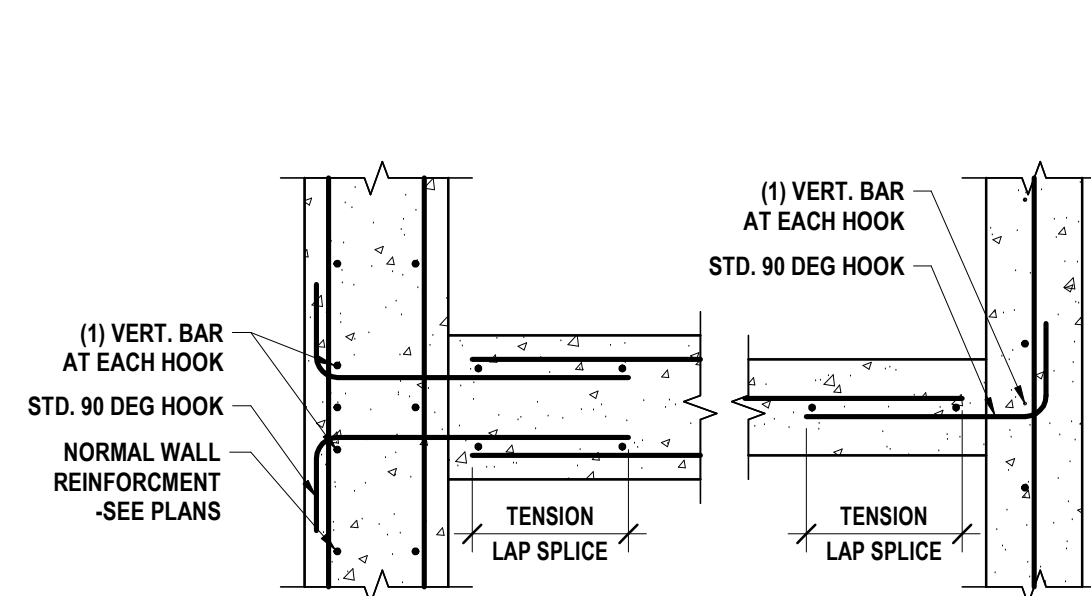
10 FOUNDATION DETAIL AT WOOD POST  
3/4" = 1'-0"



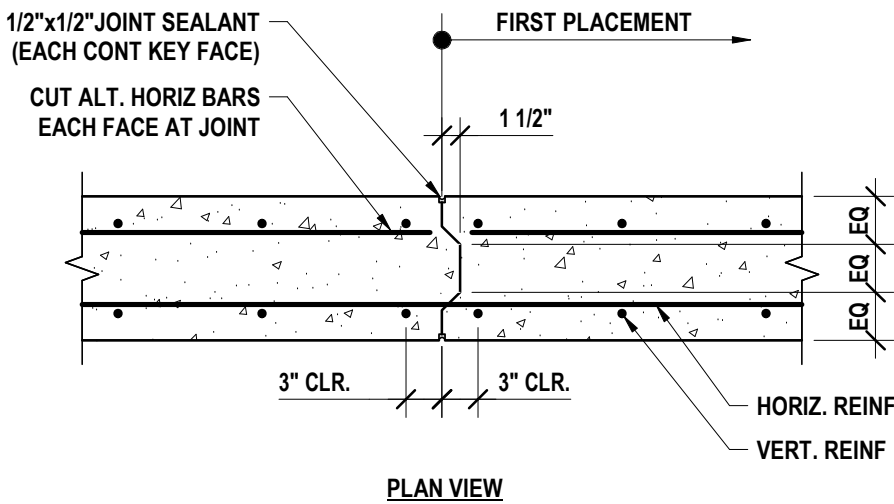
9 FOUNDATION DETAIL AT DOOR  
3/4" = 1'-0"



5 TYPICAL CONCRETE WALL PLAN AT CORNER  
3/4" = 1'-0"

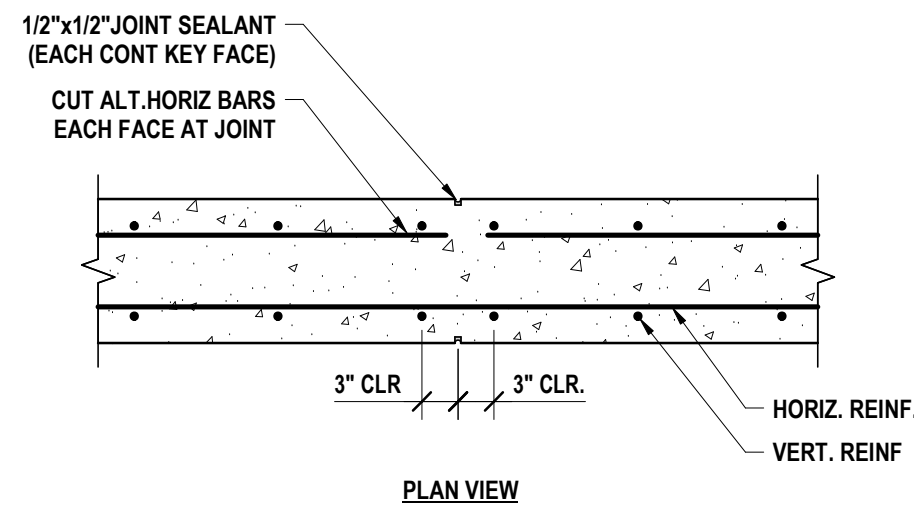


4 TYPICAL CONCRETE WALL PLAN AT TEE  
3/4" = 1'-0"



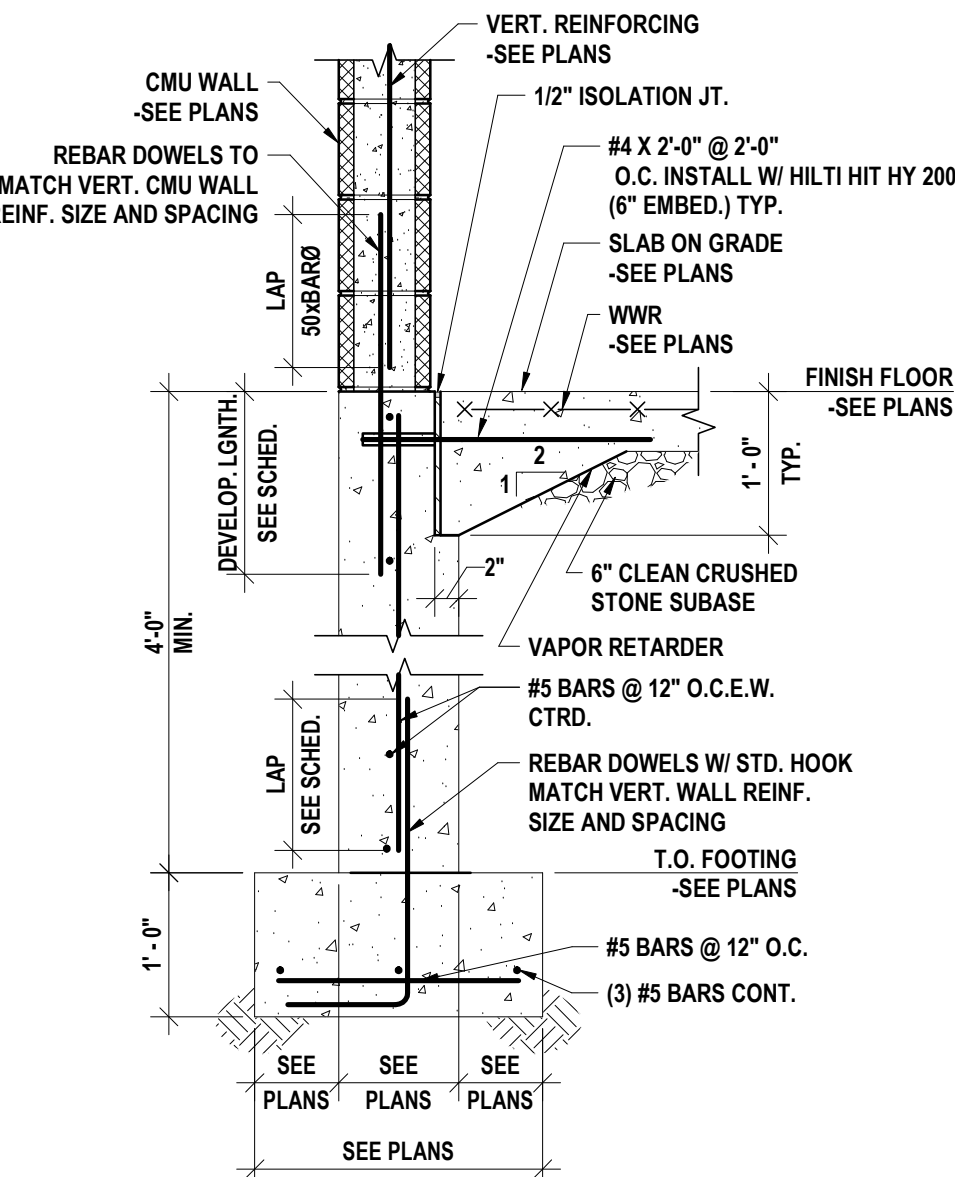
- NOTES:
- CONSTRUCTION JOINTS MAY REPLACE A CONTROL JOINT AS REQUIRED.
  - DO NOT USE THIS DETAIL FOR SHEARWALLS OR WALLS DESIGNED TO SPAN HORIZONTALLY (NOTED ON PLANS).

13 TYPICAL CONCRETE WALL CONSTRUCTION JOINT  
3/4" = 1'-0"

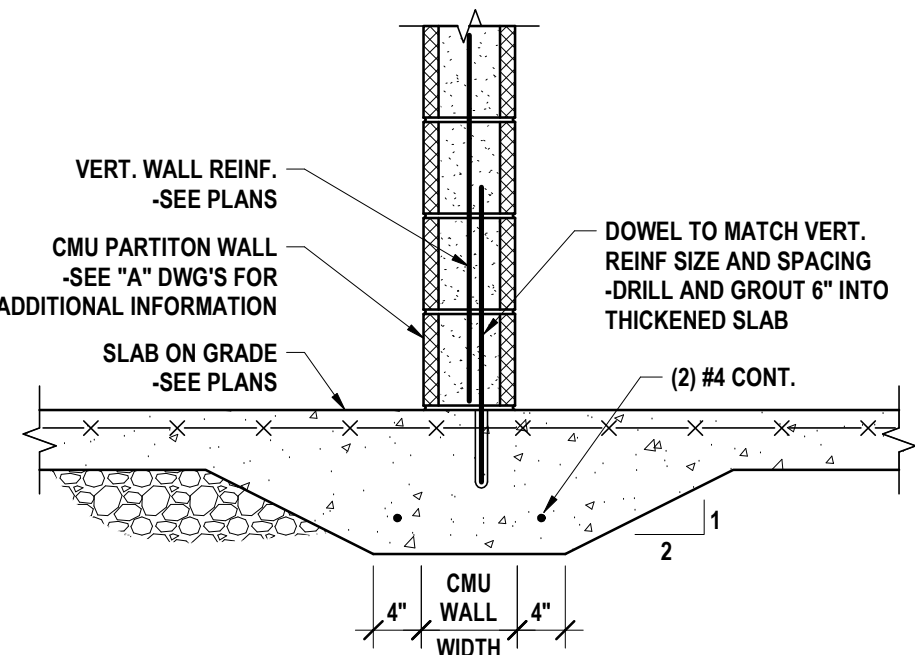


- NOTES:
- PROVIDE CONTROL JOINTS OR CONSTRUCTION JOINTS AT 25'-0" MAXIMUM SPACING.
  - LOCATE FIRST JOINT NO FURTHER THAN 15'-0" FROM CORNER.
  - JOINT LOCATIONS AND DETAILS TO BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
  - DO NOT USE THIS DETAIL FOR SHEARWALLS OR WALLS DESIGNED TO SPAN HORIZONTALLY (NOTED ON PLANS).

12 TYPICAL CONCRETE WALL CONTROL JOINT  
3/4" = 1'-0"

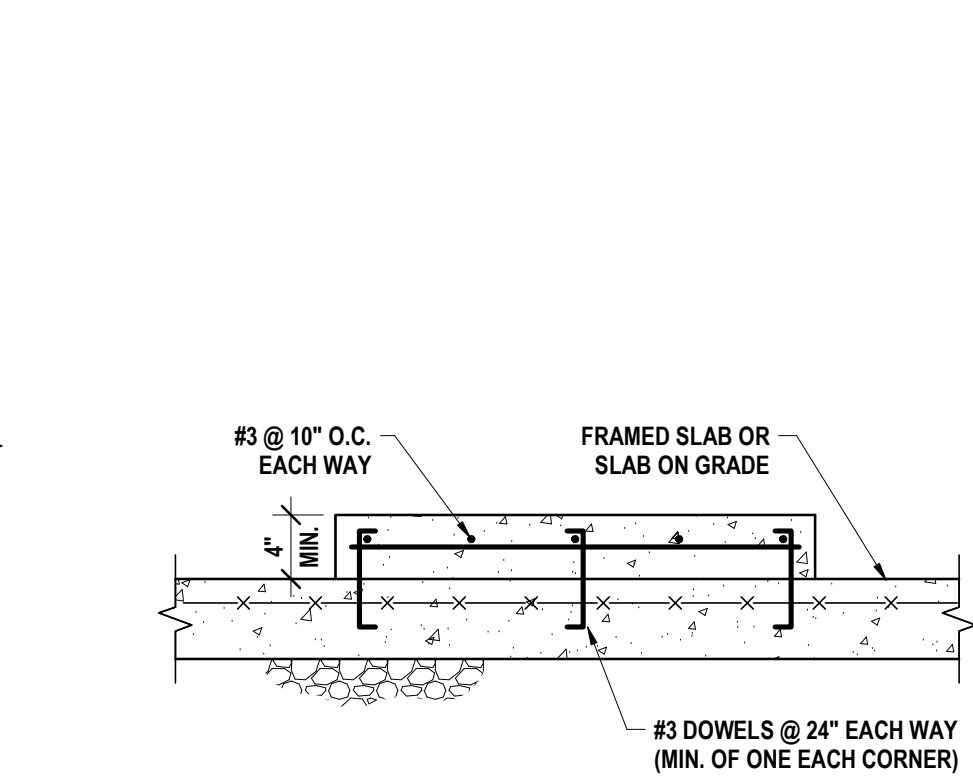


8 FOUNDATION DETAIL  
3/4" = 1'-0"

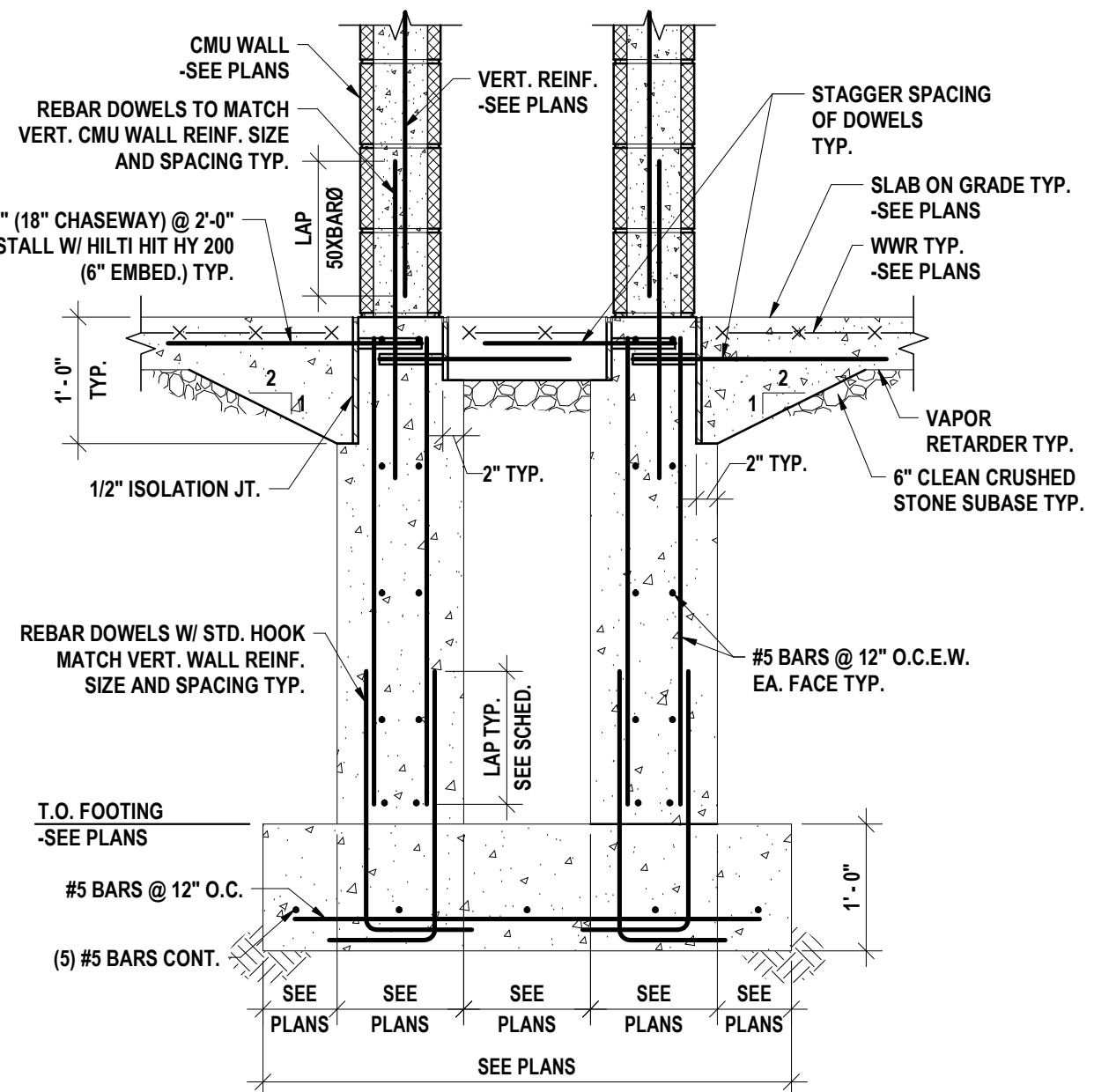


- NOTES:
- FOR USE AT ALL INTERIOR NON-LOAD BEARING MASONRY PARTITION WALLS.
  - THICKENED SLABS FOR INTERIOR NON-LOAD BEARING PARTITION WALLS WILL BE SHOWN ON FOUNDATION PLAN.

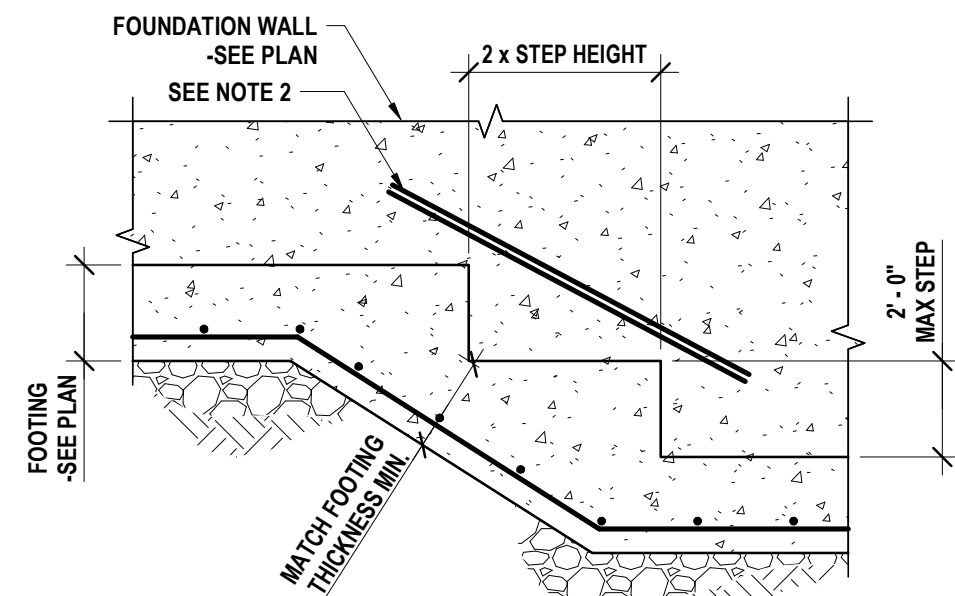
7 TYPICAL THICKENED SLAB  
3/4" = 1'-0"



6 TYPICAL CONCRETE PAD FOR EQUIPMENT  
1" = 1'-0"

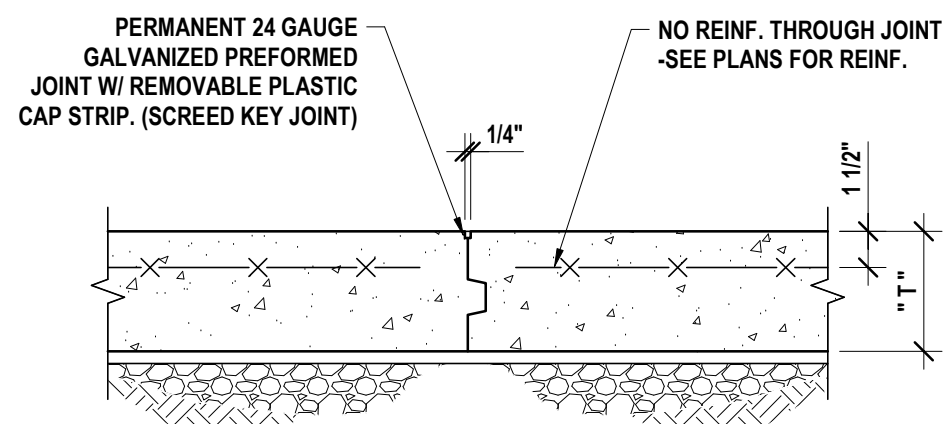


11 FOUNDATION DETAIL AT INTERIOR WALL  
3/4" = 1'-0"



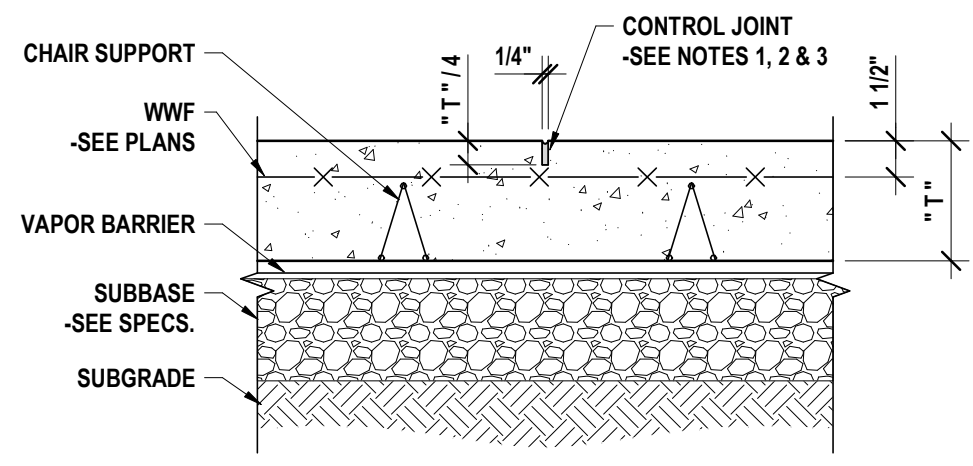
- NOTES:
- STEPS IN FOOTING ARE LIMITED TO GROUPS OF THREE WITH 8'-0" OF HORIZONTAL DISTANCE BETWEEN EACH GROUP (MIN).
  - ADD (2) #5 BARS AT EACH FACE OF WALL. RUN BARS PAST STEP BY 1'-0" MIN.

3 TYPICAL STEPPED FOOTING  
1/2" = 1'-0"



- NOTES:
- CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT -OMIT REMOVABLE CAP STRIP.
  - REFER TO "A" DRAWINGS FOR JOINT FILLER WHERE REQUIRED.
  - USE CONSTRUCTION JOINT BETWEEN SLAB PLACEMENTS.

2 TYPICAL SLAB ON GRADE CONSTRUCTION JOINT  
1 1/2" = 1'-0"



- NOTES:
- FORM THE CONTROL JOINT USING A PREFORMED REMOVABLE PLASTIC OR HARD BOARD INSERT. TOOL THE EDGES ON EACH SIDE OF INSERT.
  - SAW CUTS ARE PERMITTED AS CONTROL JOINTS. A "SOFF-CUT" MACHINE OR EQUAL SHALL BE USED DIRECTLY AFTER FINISHING SLAB.
  - FILL CONTROL JOINT WITH SEALANT AFTER THE SLAB HAS BEEN CURED.

1 TYPICAL SLAB ON GRADE AND CONTROL JOINT  
1 1/2" = 1'-0"

FOUNDATION DETAILS

MARVIN PARK - PUBLIC TOILET HOUSE

OWEGO DRI PROJECT

WEST MAIN STREET, OWEGO, NY 13827

HUNT

ENGINEERS | ARCHITECTS | SURVEYORS

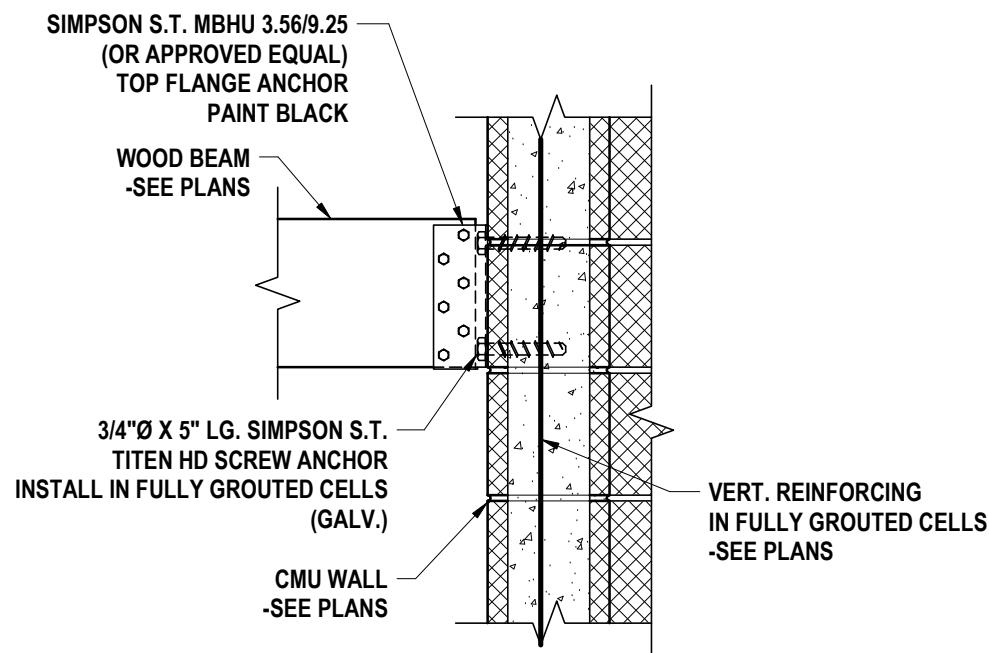
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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

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DATE:	2/24/2023	
PHASE:	BID	
DESCRIPTION OF REVISION:		"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."
DATE:		
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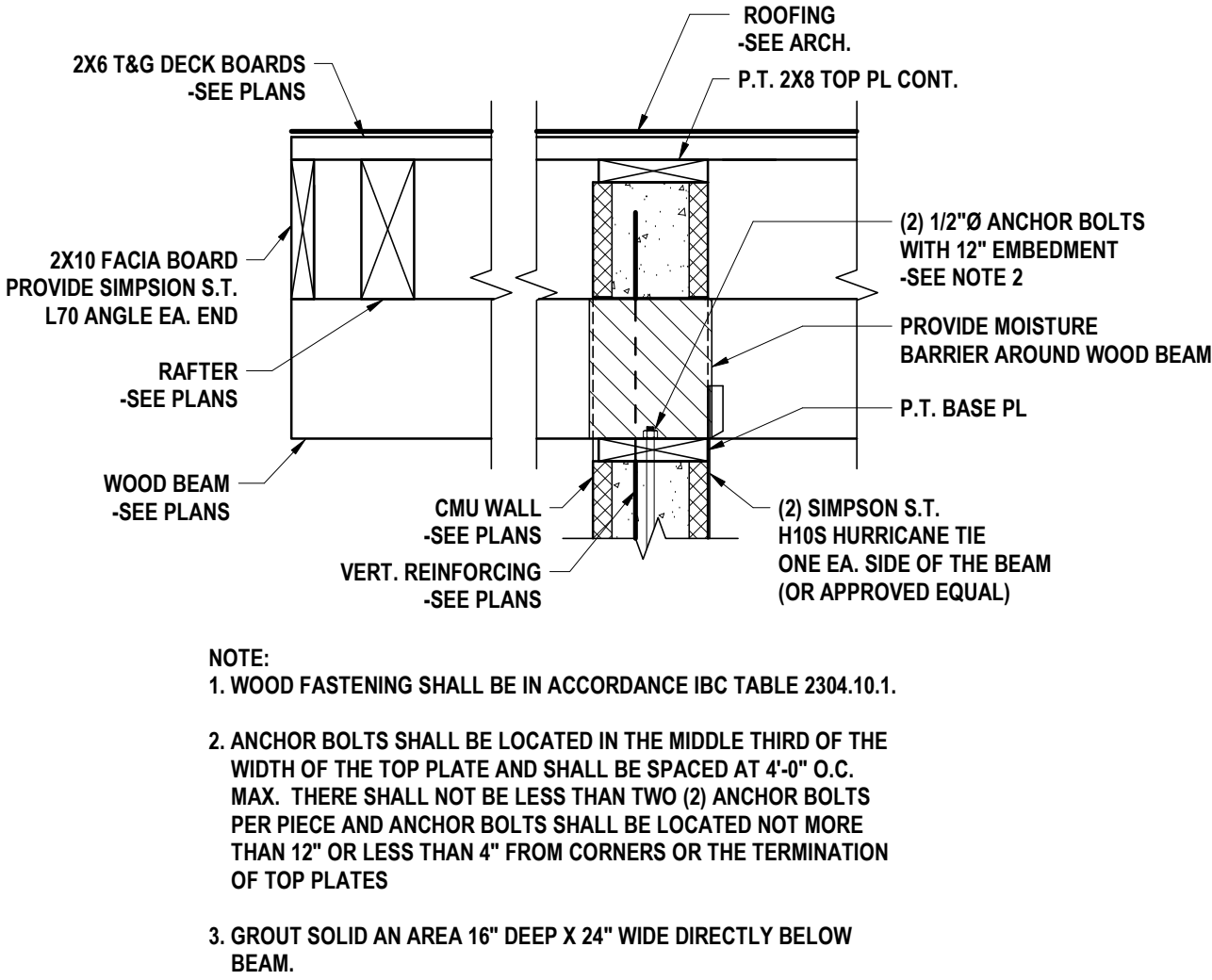
S2.1

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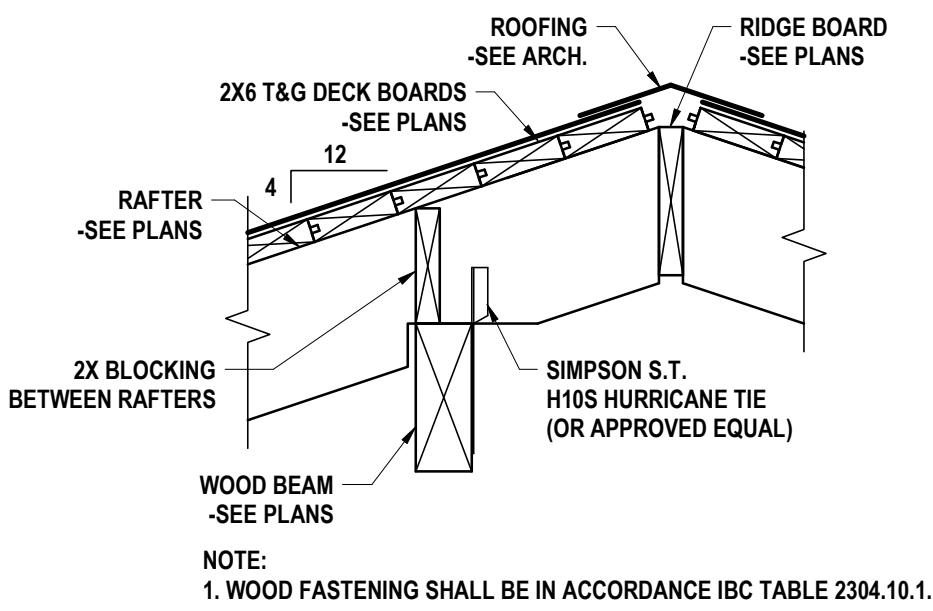
MASONRY LINTEL SCHEDULE				
LINTEL MARK	WALL TYPE	MAXIMUM MASONRY OPENING (SEE NOTE 1)	LINTEL TYPE	LINTEL SIZE AND REINFORCEMENT
L-1	8" CMU	4'-0"	A	8 x 8 LINTEL W/ (2) - #5 BARS
NOTES: 1. MASONRY OPENING SIZE SHOWN FOR REFERENCE. COORDINATE WITH ARCHITECTS FOR EXACT MASONRY OPENING REQUIRED. 2. EXTEND MASONRY LINTEL 24" BEYOND EDGE OF OPENING. 3. WHERE TWO BARS ARE USED IN MASONRY LINTELS, LOW LIFT GROUTING IS RECOMMENDED FOR ADJACENT JAMBS TO ENSURE PROPER GROUT FLOW AND CONSOLIDATION OF THE GROUT. 4. BOTTOM COVER FOR REBAR SHALL NOT EXCEED 2". 5. CONTRACTOR SHALL PROVIDE PROPER SHORING FOR CONCRETE MASONRY LINTEL DURING CONSTRUCTION. 6. CMU WALL SHALL BE GROUTED SOLID THREE COURSES BELOW LINTEL BEARING POINT FOR A WIDTH OF 24".				



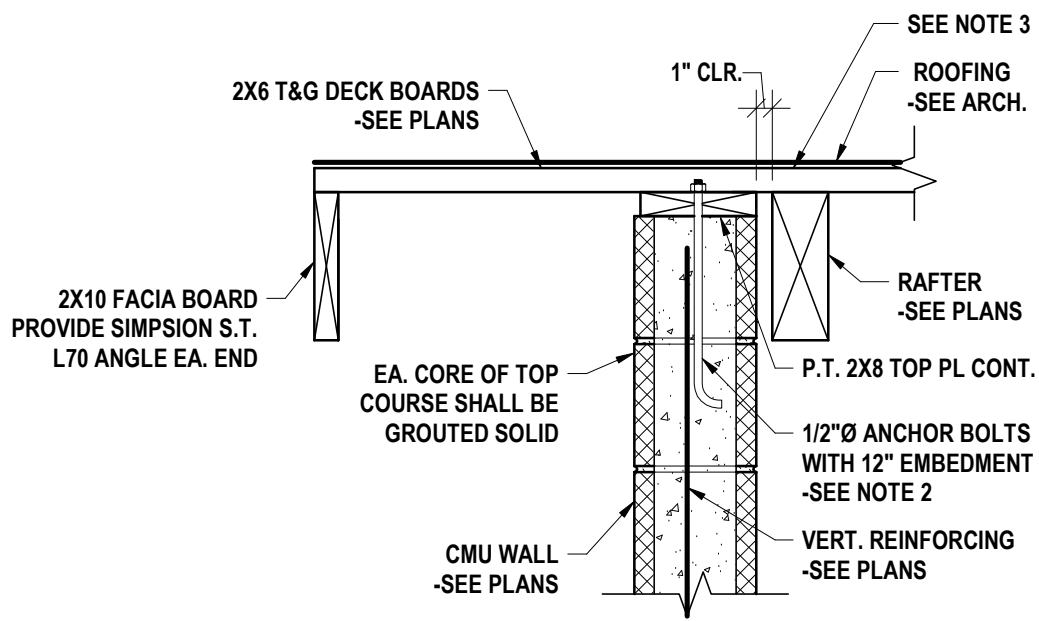
10 BEAM BEARING DETAIL AT CMU WALL  
1" = 1'-0"



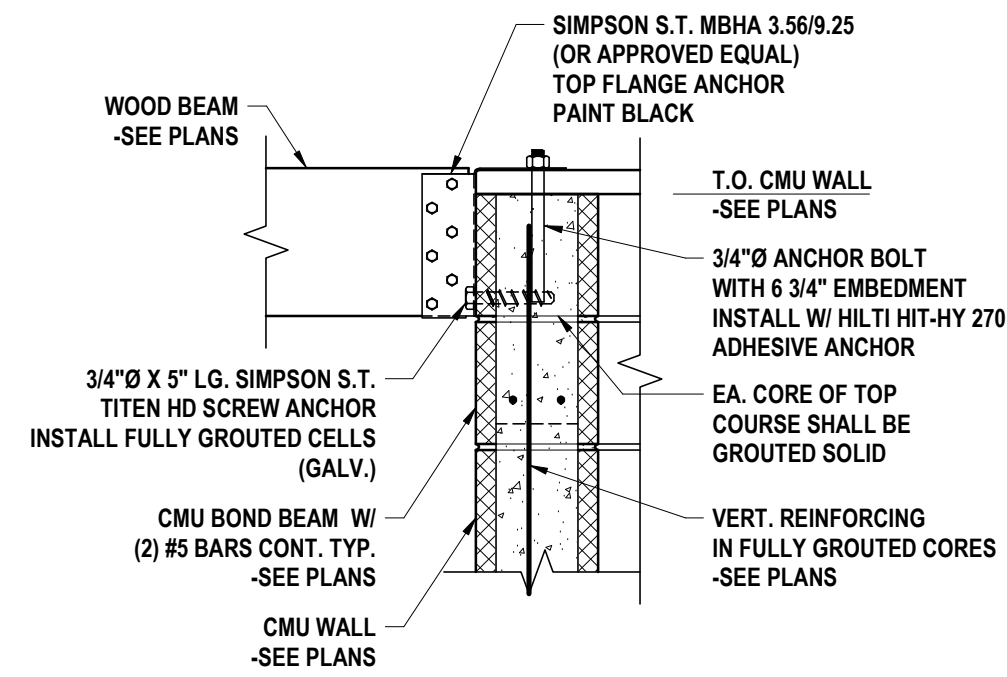
11 EXTERIOR CMU GABLE END WALL  
1" = 1'-0"



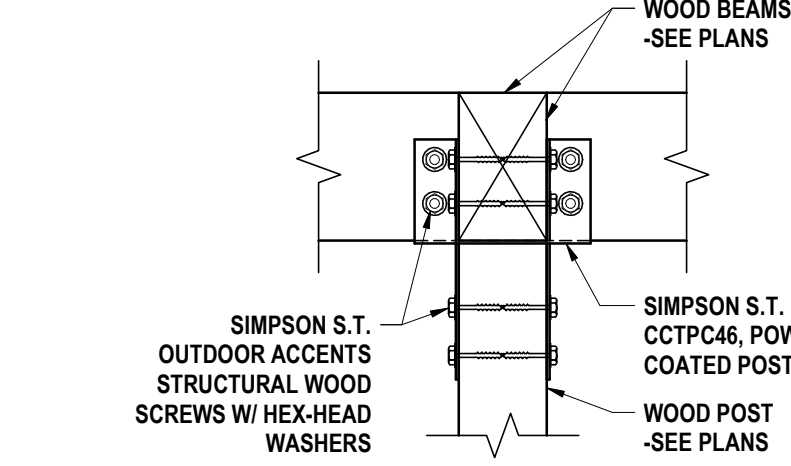
12 RAFTER BEARING AT BEAM  
1" = 1'-0"



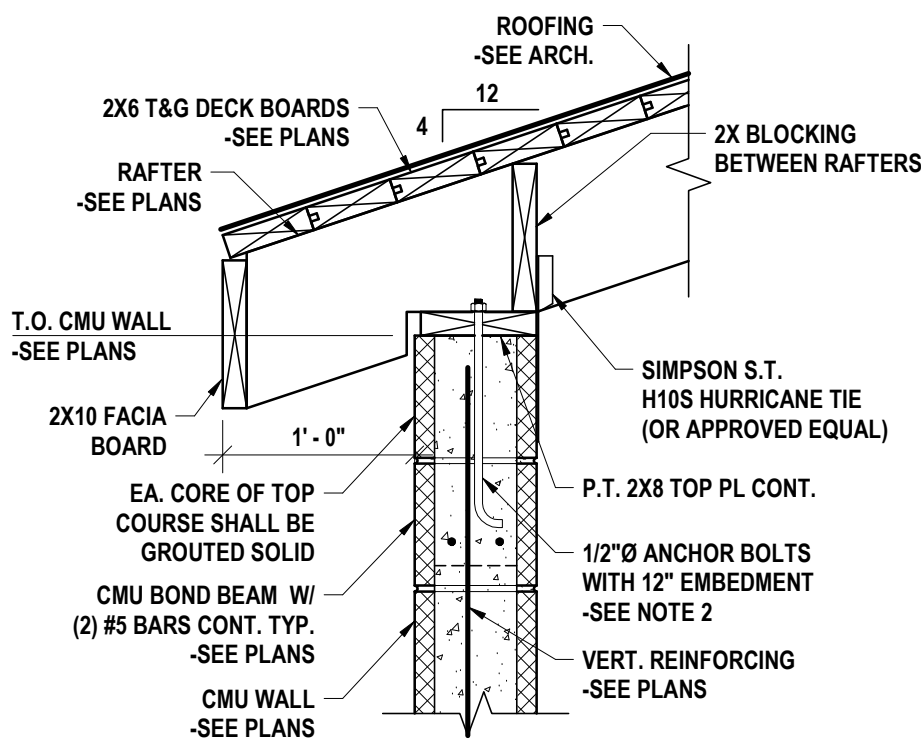
13 RAFTER BEARING AT INTERIOR CMU WALL  
1" = 1'-0"



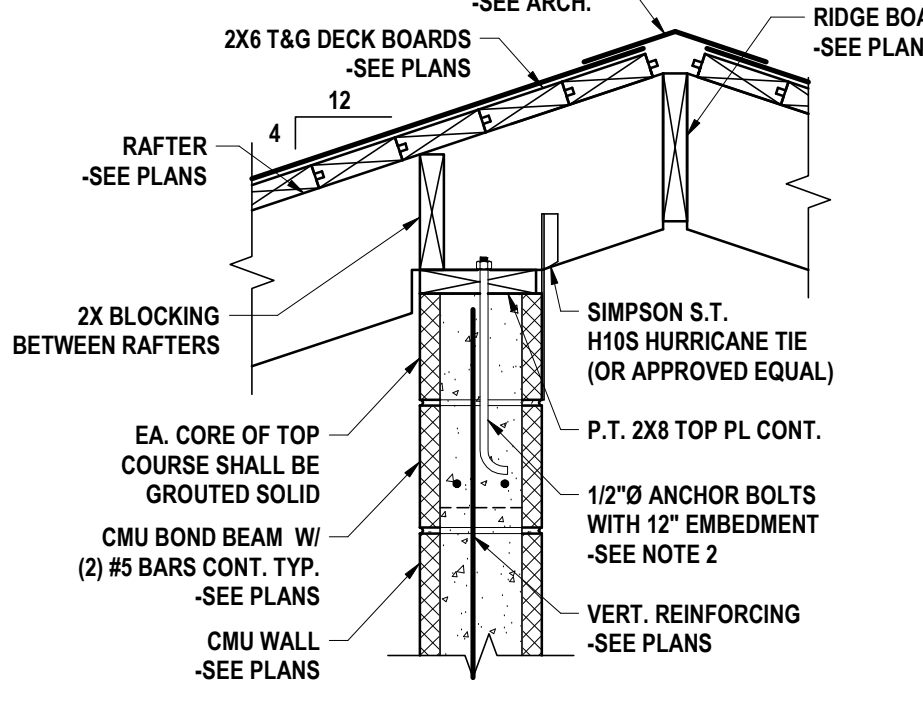
14 TYPICAL BOND BEAM LINTEL  
1" = 1'-0"



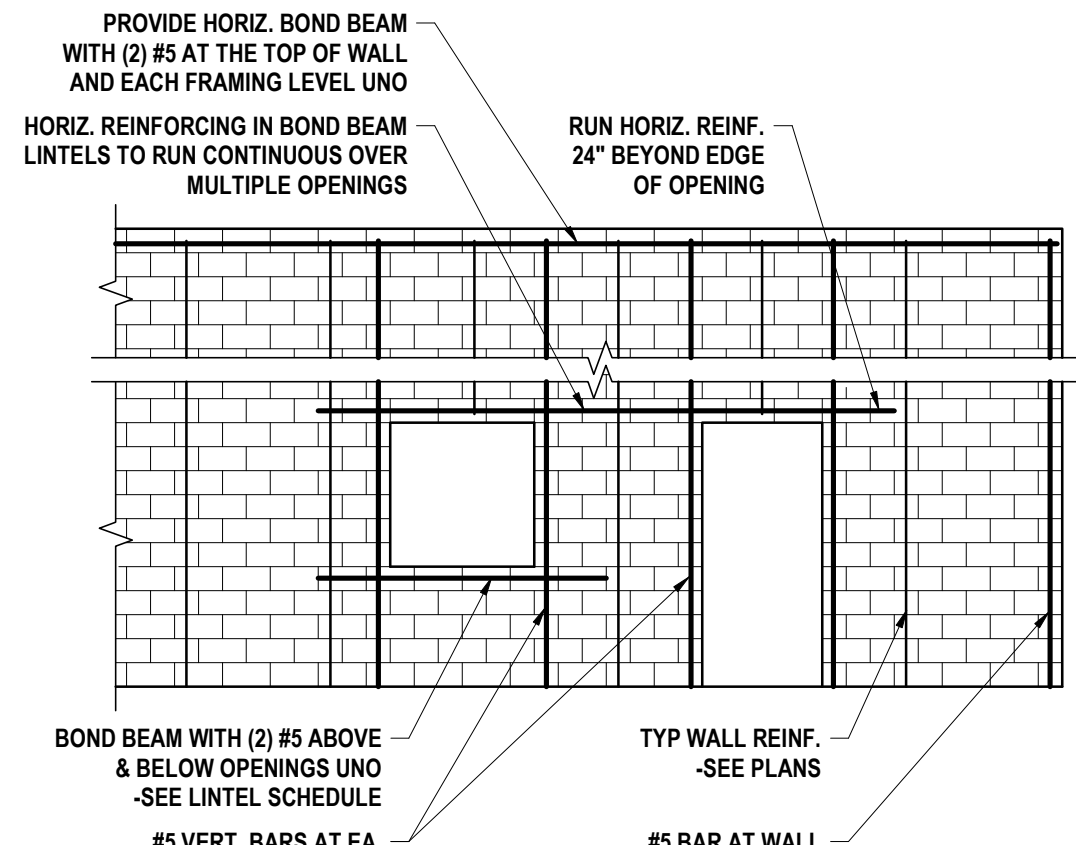
15 BEAM BEARING AT POST  
1" = 1'-0"



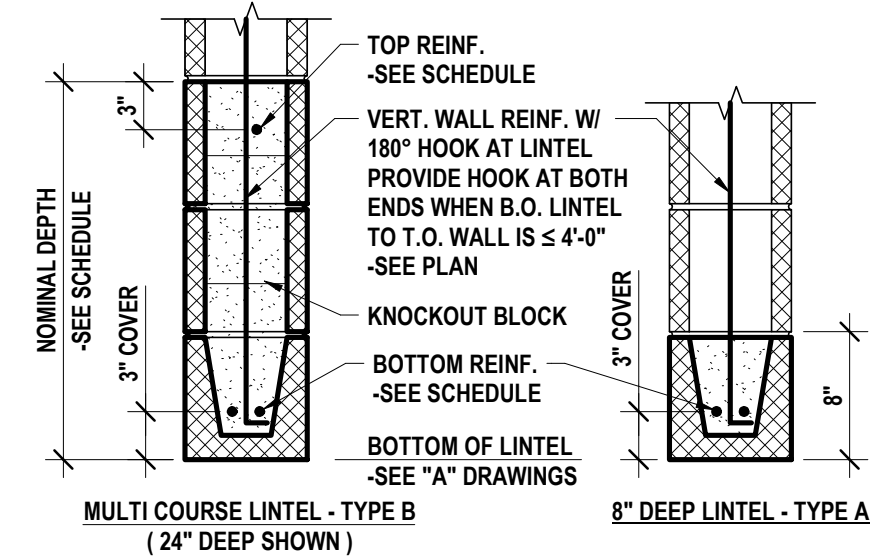
16 RAFTER BEARING AT EXTERIOR CMU WALL  
1" = 1'-0"



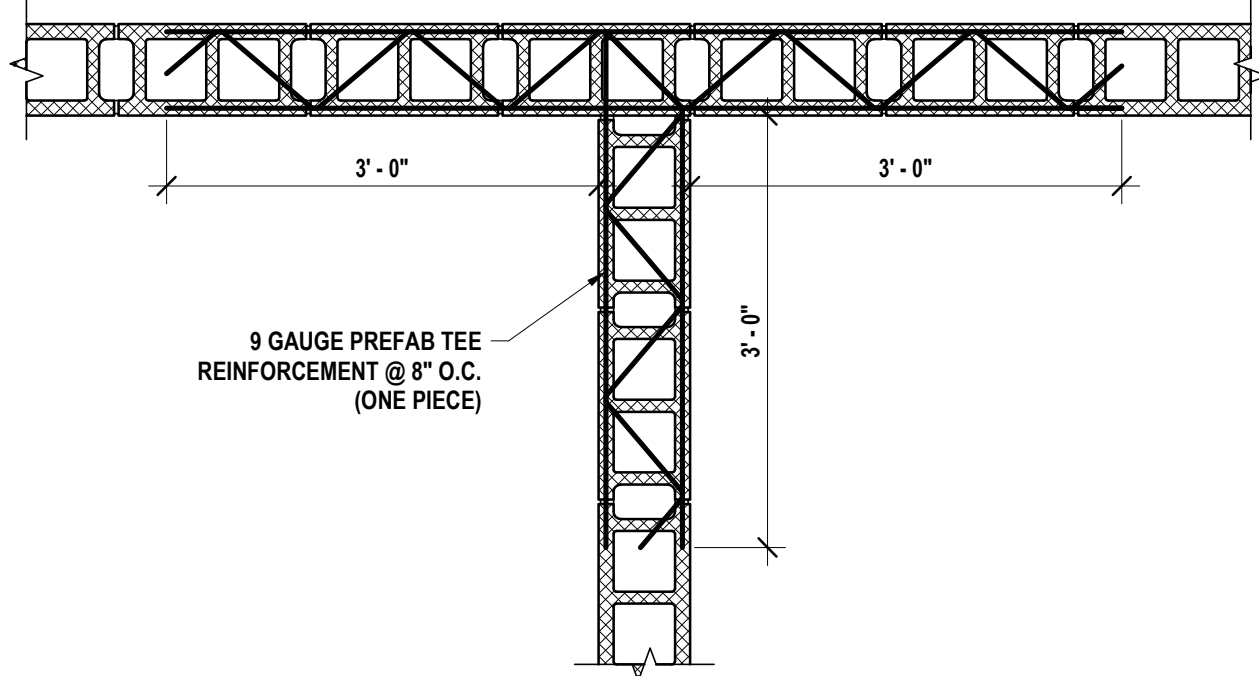
17 RAFTER BEARING AT INTERIOR CMU WALL  
1" = 1'-0"



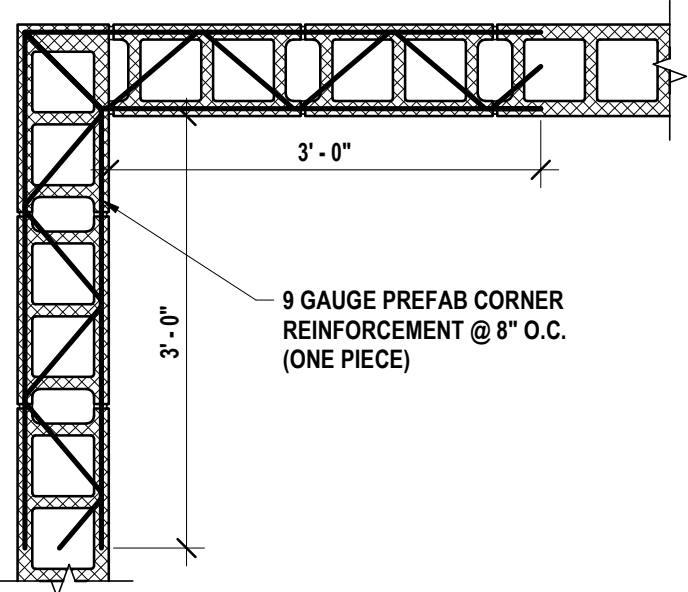
18 TYPICAL MASONRY WALL REINFORCING  
3/16" = 1'-0"



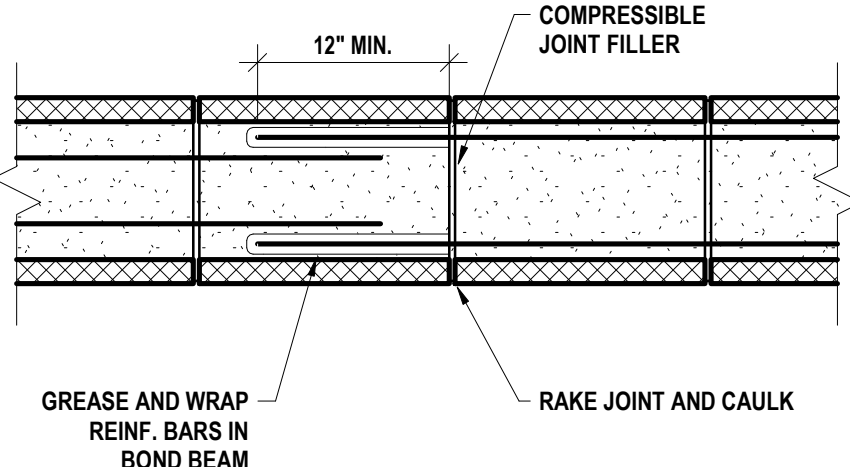
19 TYPICAL CONCRETE BLOCK - TEE REINFORCING  
3/4" = 1'-0"



20 TYPICAL CONCRETE BLOCK - CORNER REINFORCING  
3/4" = 1'-0"



21 TYPICAL MASONRY WALL CONTROL JOINT (BOND BEAM)  
1" = 1'-0"



22 TYPICAL CONCRETE BLOCK - CONTROL JOINT  
3/4" = 1'-0"

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

MASONRY AND FRAMING DETAILS

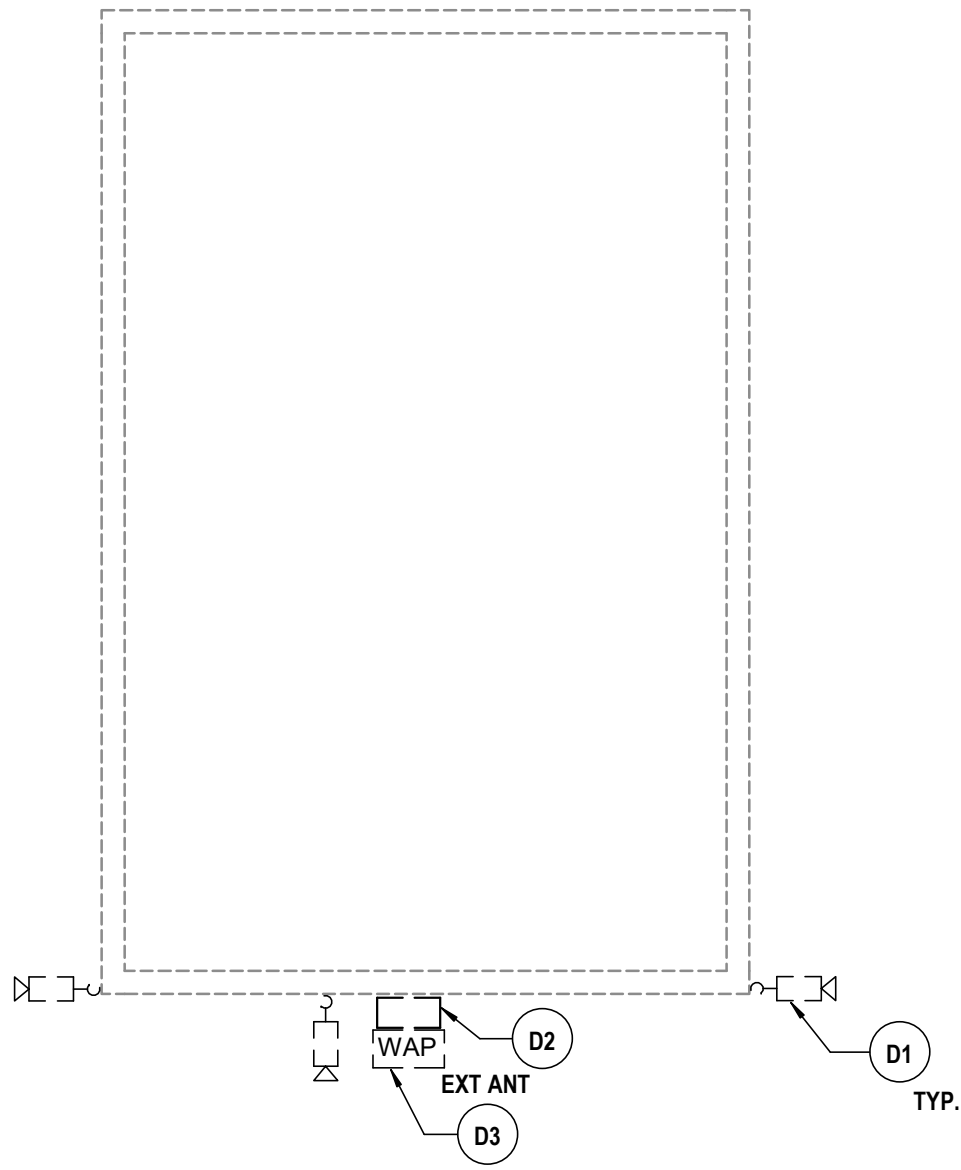
MARVIN PARK - PUBLIC TOILET HOUSE

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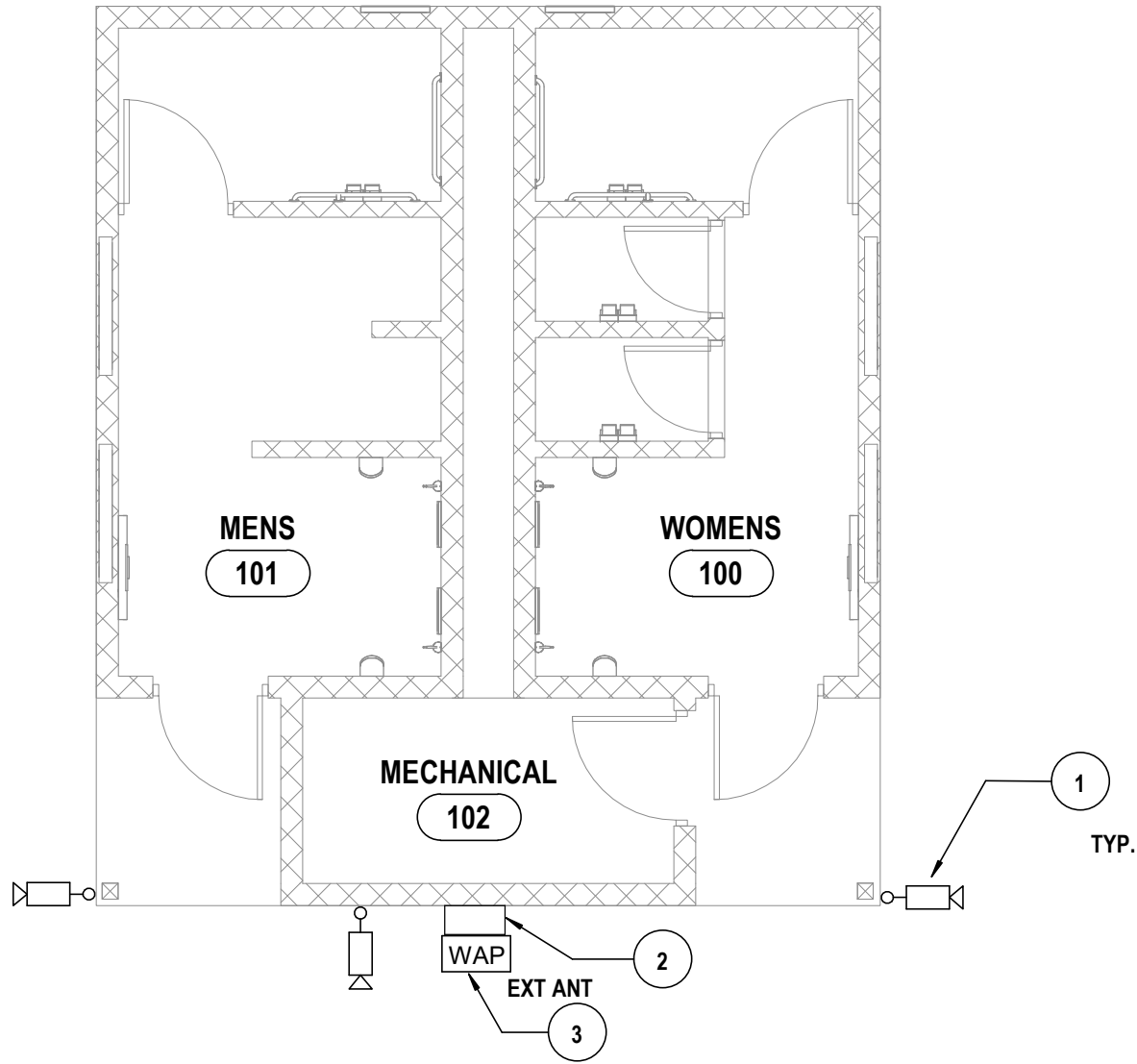
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S3.1

PROJECT NO: 2550.011



1 BUILDING TECHNOLOGY DEMO PLAN  
3/16" = 1'-0"



2 BUILDING TECHNOLOGY PLAN  
3/16" = 1'-0"

### GENERAL NOTES - TECHNOLOGY

- A ALL CABLING INSTALLATION AND TERMINATION TO ADHERE TO CURRENT NEC CODES AND RELATED ANSI/TIA/EIA STANDARDS.
- B DURING INSTALLATION OF CABLING, ANY DAMAGE TO ANY FUNCTIONING CABLING SYSTEM IS THE RESPONSIBILITY OF, AND WILL BE REPAIRED BY THE CONTRACTOR.
- C WHEN INSTALLING CEILING MOUNTED DEVICES, ADJUST LOCATION TO AVOID OTHER CEILING MOUNTED DEVICES SUCH AS EXIT SIGNS, ETC.
- D ALL DATA CABLING SHALL BE PLENUM RATED.
- E OWNER TO APPROVE FINAL LOCATION AND VIEW OF ALL CAMERAS.
- F ALL ELECTRONIC SERVICES NEED TO BE COORDINATED WITH OWNER PRIOR TO REMOVAL AND DISCONNECTION.
- G ALL CEILING MOUNTED DEVICES TO BE SUPPORTED BY STRUCTURE ABOVE. DO NOT USE CEILING GRID AS SOLE SUPPORT MECHANISM
- H ALL WALL OUTLETS SHALL BE LOCATED WITHIN 36" OF THE NEAREST POWER OUTLET AND AT THE SAME ELEVATION.
- I ANY DAMAGE DONE TO A FUNCTIONING CABLING SYSTEM IS THE RESPONSIBILITY OF, AND WILL BE REPAIRED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
- J CONTRACTOR TO PROVIDE ADDITIONAL CONDUIT PATHWAYS AS REQUIRED FOR ALL NEW CABLING, PER SPECIFICATIONS.
- K THE CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTIVE COVERING ON EXISTING FLOOR AND WALL SURFACES SCHEDULED TO REMAIN IN ALL WORK AREAS. THE CONTRACTOR SHALL USE EXTREME CARE TO PREVENT DAMAGE TO EXISTING FINISHES AND SHALL BE RESPONSIBLE FOR REPAIRING ALL SURFACES AND FINISHES DAMAGED AS A RESULT OF THE WORK.
- L EXISTING CONDUITS THAT ARE RE-USED OR REQUIRED TO BE REMOVED/INFILLED, SHALL BE FIRESTOPPED ACCORDING TO SPECIFICATIONS AND ALL APPLICABLE CODES.
- M ELECTRONIC LOCKING HARDWARE PROVIDED AS PART OF DOOR HARDWARE SET UNLESS NOTED OTHERWISE SHALL HAVE POWER SUPPLIES TO BE COMPATIBLE WITH DOOR HARDWARE AS SPECIFIED IN SECTION 08 71 00; VOLTAGE TO BE V.I.F.

### DEMOLITION NOTES - TECHNOLOGY

- D1 REMOVAL OF EXTERIOR CAMERA, ASSOCIATED CABLING AND MOUNTING HARDWARE BY SYSTEMS INTEGRATOR.
- D2 REMOVAL OF NETWORK ENCLOSURE AND ASSOCIATED CABLING BY SYSTEMS INTEGRATOR.
- D3 REMOVAL OF WIRELESS BRIDGE AND ASSOCIATED CABLING MY SYSTEMS INTEGRATOR.

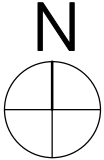
### CONSTRUCTION NOTES - TECHNOLOGY

- 1 SECURITY CAMERA TO BE INSTALLED BY SYSTEMS INTEGRATOR.
- 2 NETWORK ENCLOSURE TO BE INSTALLED BY SYSTEMS INTEGRATOR.
- 3 WIRELESS BRIDGE TO BE INSTALLED BY SYSTEMS INTEGRATOR.

DRAWN BY:		CSH	
CHECKED BY:		JS	
DATE:		12/14/2022	
SCALE:		3/16" = 1'-0"	
#	DATE:	DESCRIPTION OF REVISION:	BY:
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BUILDING TECHNOLOGY PLAN  
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T1.1

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