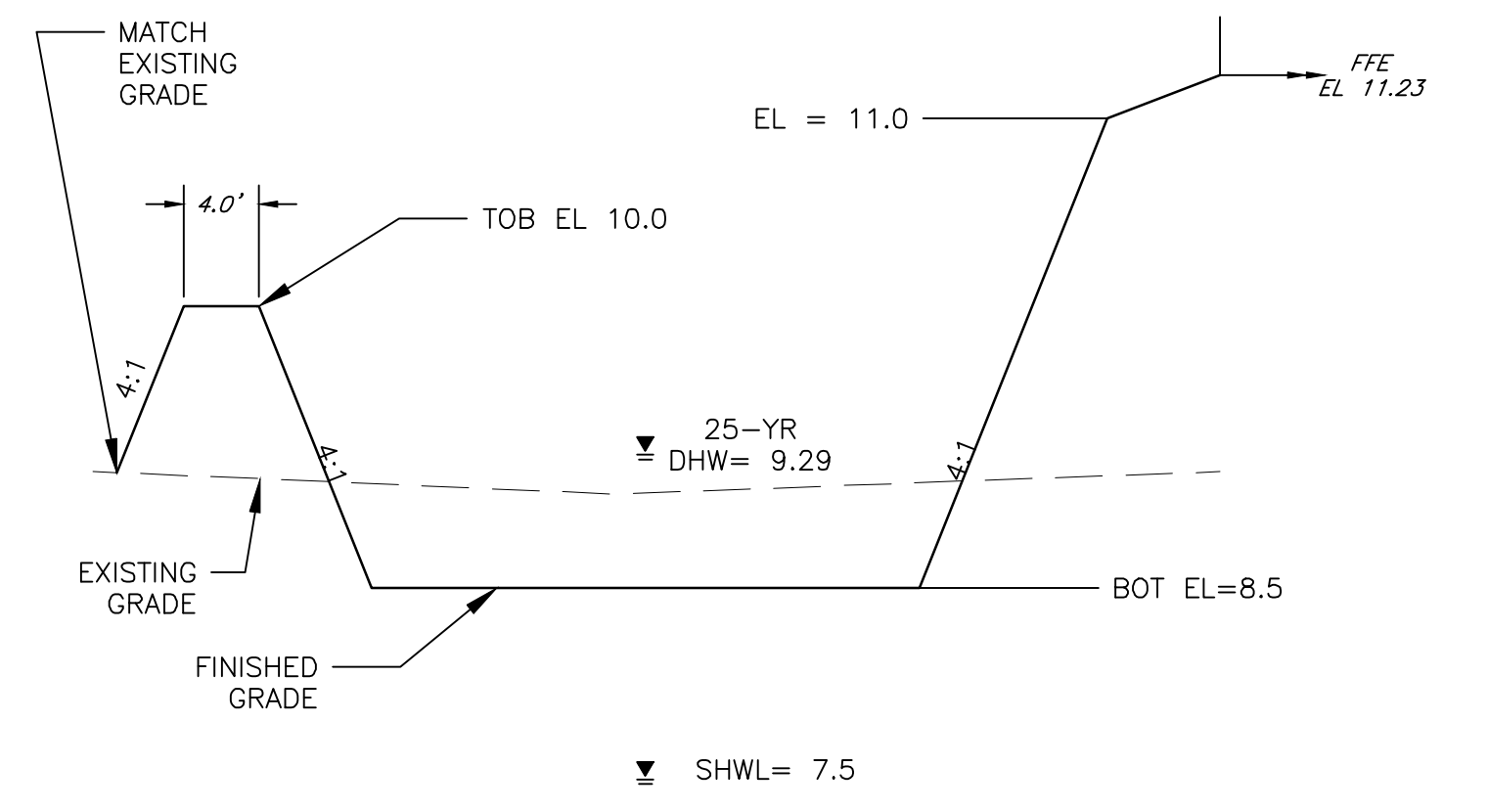


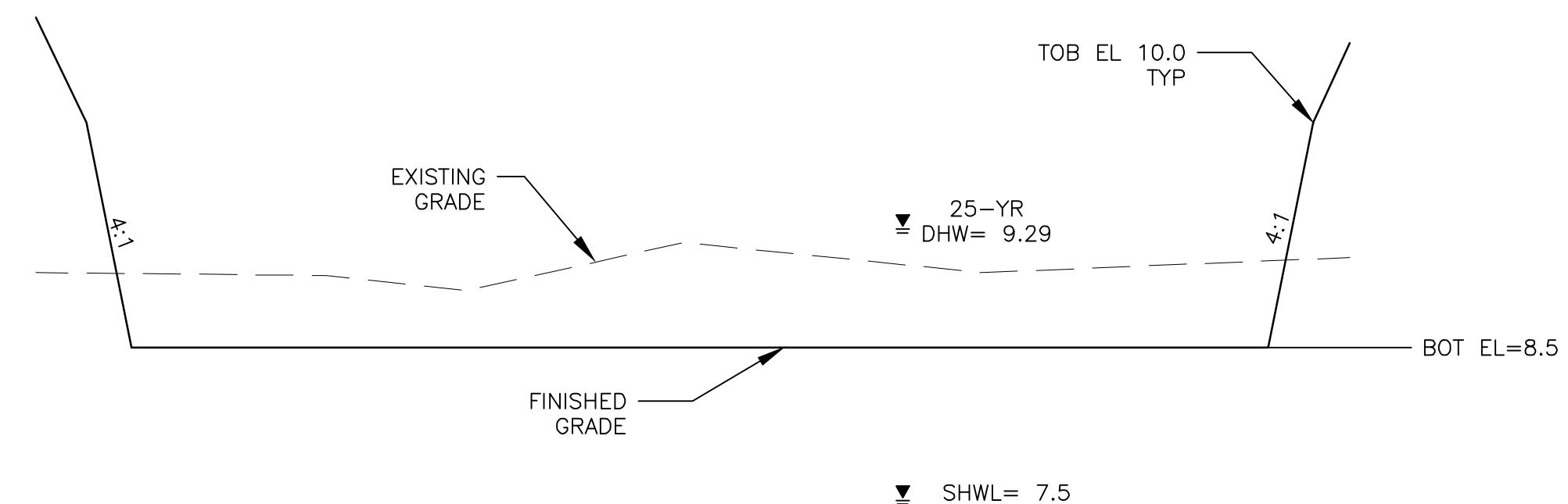
CONTROL STRUCTURE SCHEDULE

STRUCTURE	WL WEIR LENGTH (FT)	GE GRATE ELEVATION (FT NGVD)	WE WEIR ELEVATION (FT NGVD)	PI PIPE INVERT (FT NGVD)
CS-1	3.19	9.50	8.94	7.16

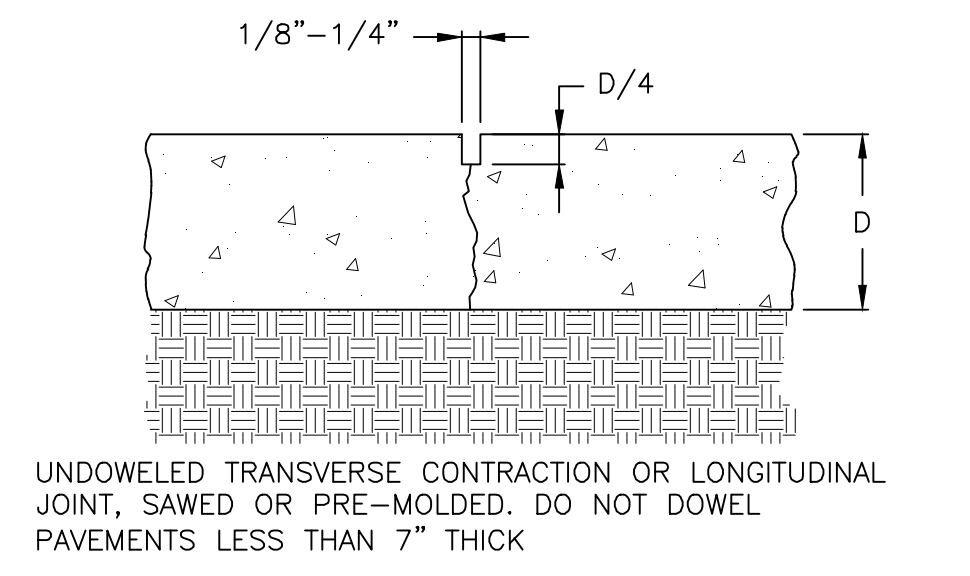
1 RETENTION POND CONTROL STRUCTURE DETAIL
C-2 NOT TO SCALE



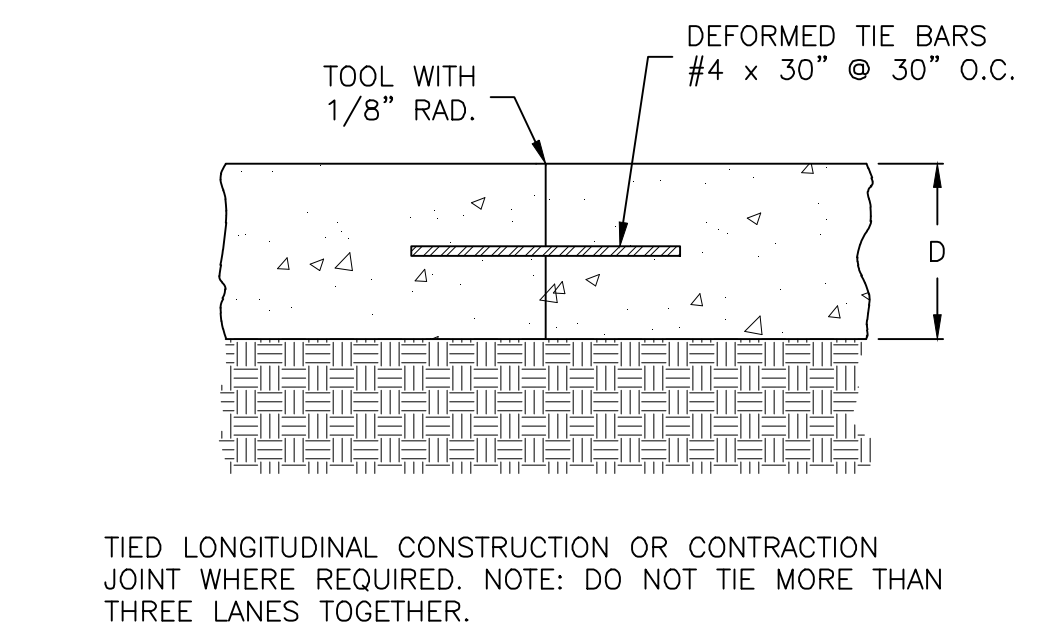
A POND A SECTION A-A
C-2 1"=10' (H) ; 1" = 1' (V)



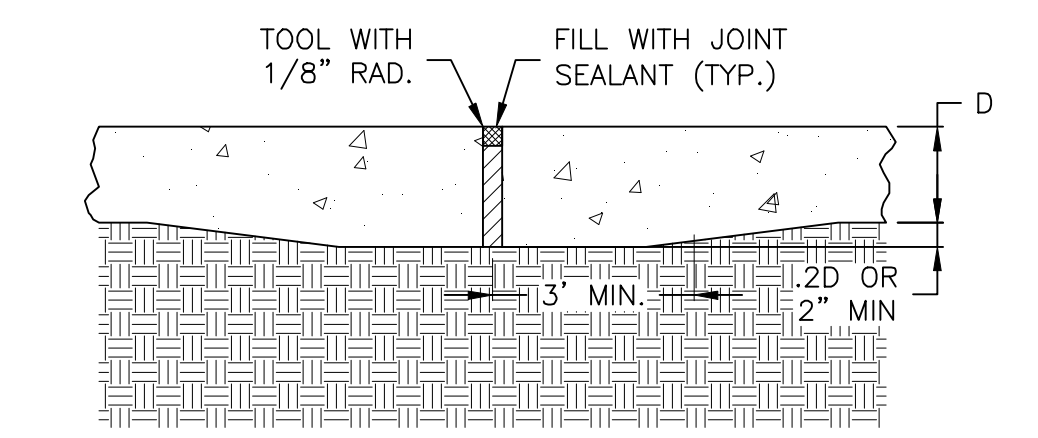
B POND A SECTION B-B
C-2 1"=20' (H) ; 1" = 1' (V)



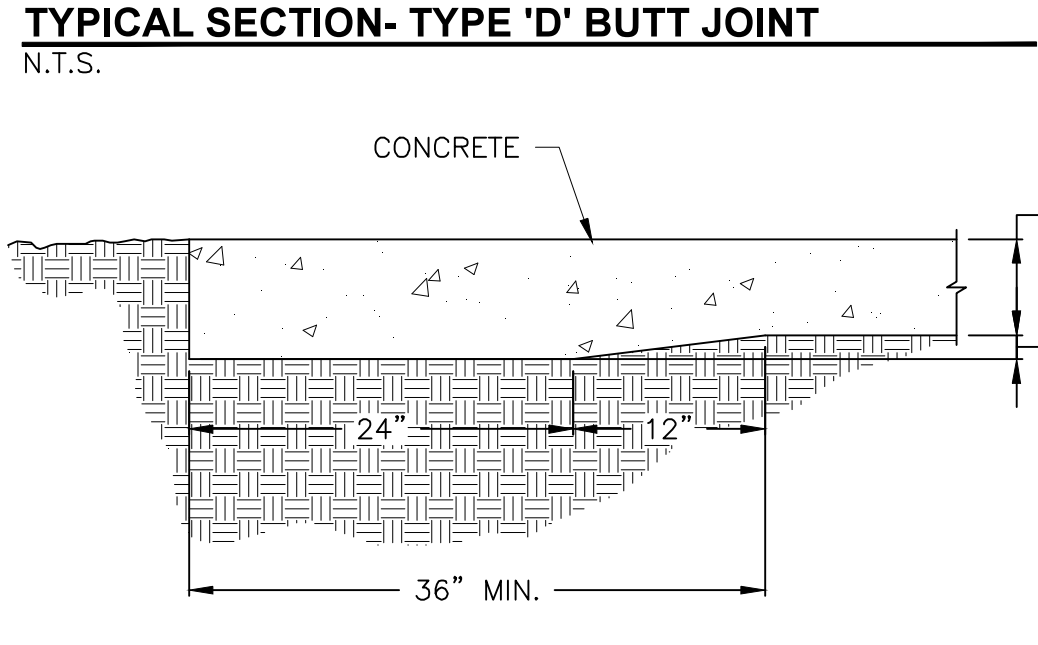
TYPICAL SECTION- TYPE 'A' CONTRACTION JOINT



TYPICAL SECTION- TYPE 'B' TIED JOINT
N.T.S.

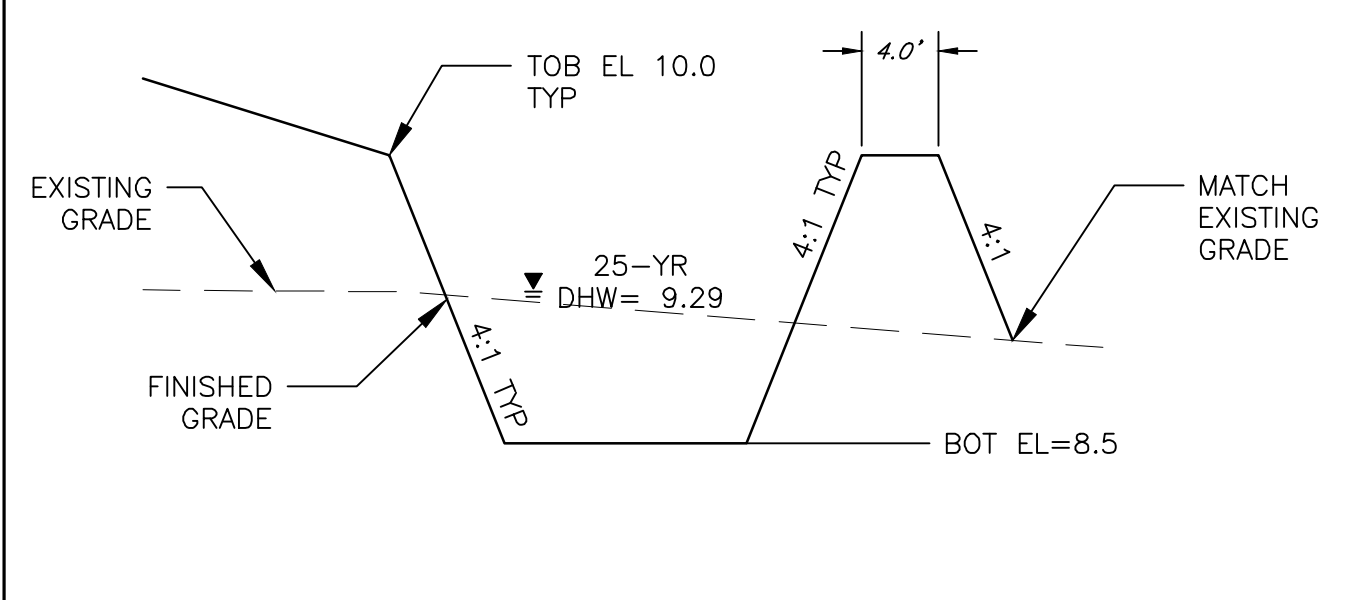


TYPICAL SECTION- TYPE 'D' BUTT JOINT
N.T.S.

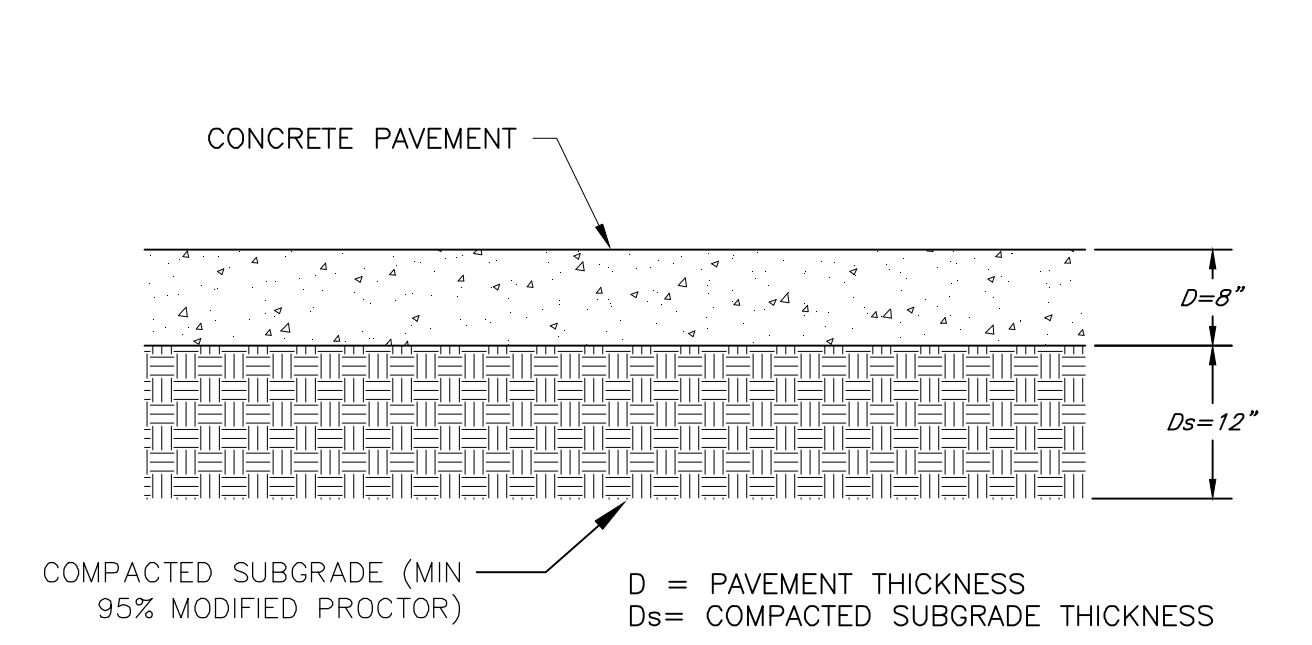
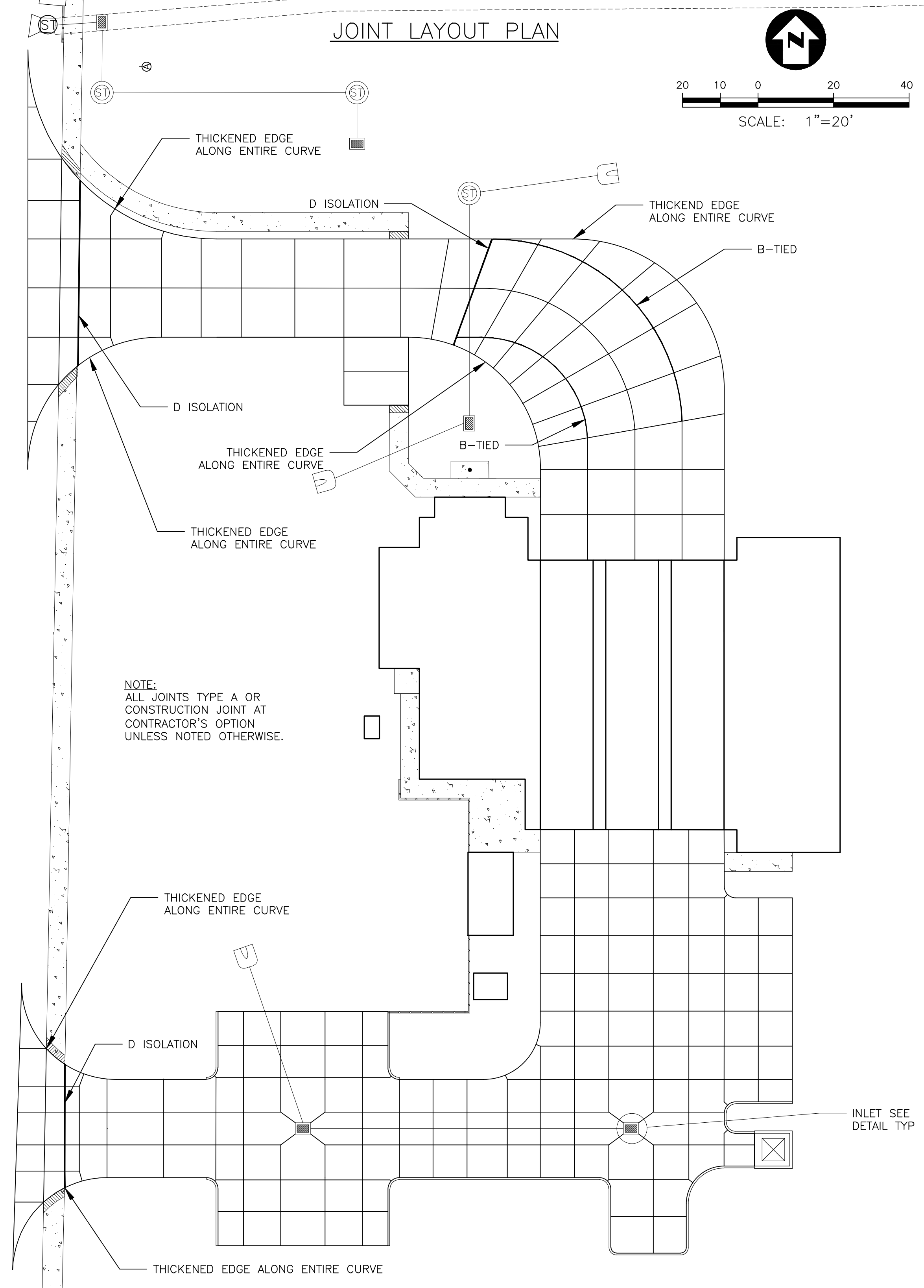


TYPICAL SECTION- THICKENED EDGE
N.T.S.

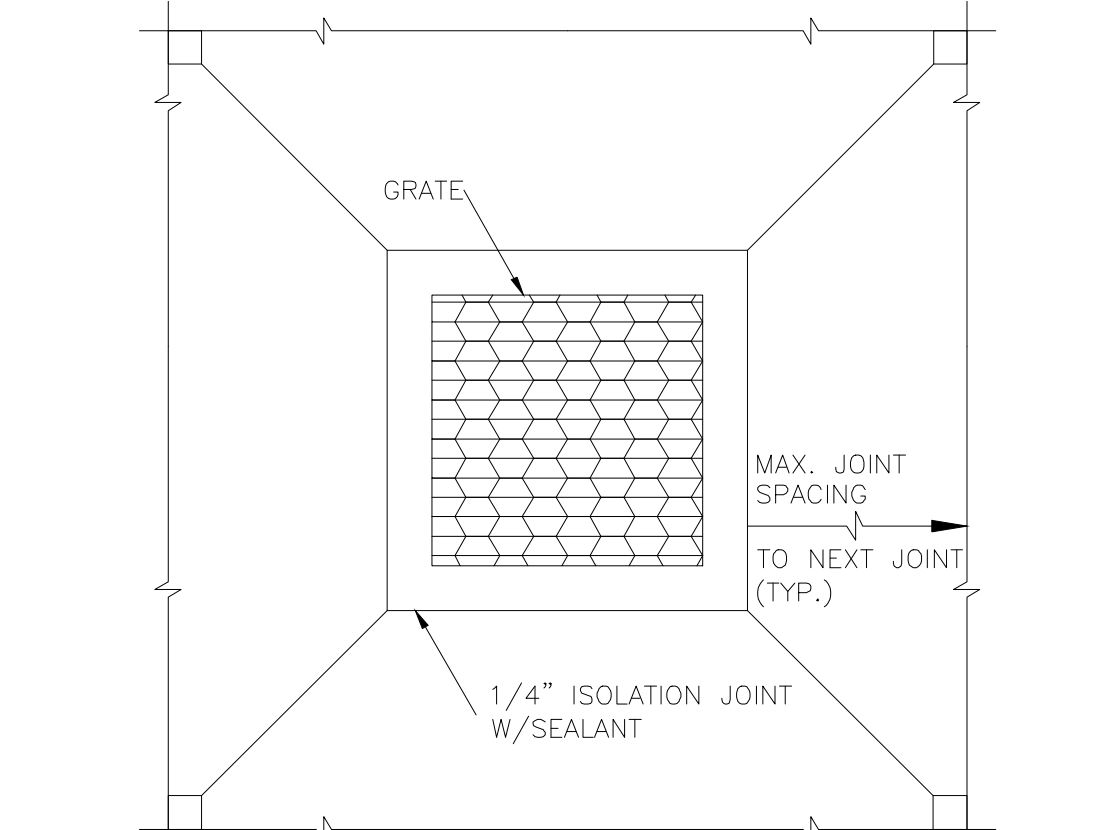
2 CONVENTIONAL CONCRETE JOINT DETAILS
C-2 NOT TO SCALE



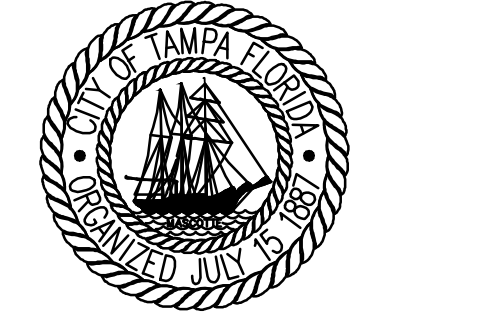
C POND B SECTION C-C
C-2 1"=10' (H) ; 1" = 1' (V)



4 TYPICAL SECTION CLASS-1 CONCRETE
C-2 NOT TO SCALE



5 TYPICAL JOINTS AT INLETS DETAIL
C-2 NOT TO SCALE



CITY OF TAMPA
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100 EAST MADISON STREET
SUITE 200
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FIRE STATION 19
7910 INTERBAY BLVD.
TAMPA, FLORIDA

DPW FILE NUMBER

DPW NUMBER

ISSUE DATE
MAY 31, 2013

DRAWN BY
JAM

REVISIONS

CONSTRUCTION DOCUMENTS

Elevations shown within this plan set are based on North American Vertical Datum (NAVD)
NAVD 88 = NGVD 29 - 0.86'

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Professional Civil Engineering Services

JESUS A. MERLY P.E. NO. 58113
FLORIDA PROFESSIONAL ENGINEER

PAVING, GRADING
AND DRAINAGE
DETAILS

SHEET No:
CD-1



CITY OF TAMPA
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WASTEWATER DETAILS

SHEET No:

CD-2

AIR RELEASE VALVE DETAIL
 Not To Scale

VALVE BOX DETAIL
 Not To Scale

VALVE OPERATION DISK
 Not To Scale

PIPE LOCATING WIRE DETAIL
 Not To Scale

FITTING RESTRAINT DETAIL
 Not To Scale

NOTES:

- Pipe shall require 2 green insulated metallic locating wires capable of detection by a cable locator and shall be buried directly above the centerline of the pipe. Use duct tape as necessary to hold wire directly on top of pipe.
- Direct bury pipe shall have (2) 12 gauge insulated solid copper wires. Directional drilled pipe shall have (2) 8 gauge insulated solid copper wires or (2) 10 gauge insulated copper clad steel wires. For directional drilled HDPE pipe a 1" conduit may be pulled back with the locating wires to ease installation and to prevent the wires from breaking.
- Wire insulation must be suitable for buried service. HDPE or HMWPE are acceptable insulation materials. Nylon insulation is not acceptable.
- Wires must be spliced together with wire connectors suitable for buried service. Connectors shall be corrosion and moisture proof such as DBR Kit by 3M, Snakebite by Copperhead Industries or equal. Twisting the wires and sealing with electrical tape alone is not acceptable.
- All tracer wires must pass a continuity test in the presence of a City inspector. No pipe will be accepted by the City until a continuity test passes.
- Locating wire shall terminate at the top of each valve box and air release valve. Wire shall be capable of extending 24" above top of box in such a manner so as not to interfere with valve operation.

IMPORTANT - FOR EACH OPERABLE VALVE:
 PROVIDE A BRASS IDENTIFICATION TAG ANCHORED TO THE CONCRETE APRON THAT IS A MINIMUM 2" IN DIAMETER AND 1/8-INCH THICK. THE TAG SHALL BE ENGRAVED WITH "SEWER" SIZE OF VALVE, TYPE OF VALVE, AND DIRECTION AND NUMBER OF TURNS TO OPEN.

FOR EXAMPLE: A 4-INCH PLUG VALVE ON A WASTEWATER FORCE MAIN THAT REQUIRES 1/4 TURNS TO THE LEFT (COUNTERCLOCKWISE) TO BE FULLY OPEN WOULD REQUIRE THE FOLLOWING ON AN IDENTIFICATION TAG:

SEWER 4" P.V. 1/4 T.O.L.

TABLES:

HORIZONTAL OFFSET:

FITTING TYPE	RESTRAIN "A" (LF) *										
	4"	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"
11-1/4"	1*	2*	2*	3*	3*	3*	4*	4*	4*	4*	4*
22-1/2"	2*	3*	3*	4*	5*	5*	6*	6*	7*	7*	8*
45"	4*	5*	7*	8*	9*	11*	13*	14*	16*	16*	16*
90"	9*	12*	15*	18*	21	27	29	32	37	37	37
PLUG / CAP / ISOLATION VALVE	26	36	47	56	66	85	94	102	119	119	119

A = MINIMUM FOOTAGE OF PIPE TO BE RESTRAINED
 * MINIMUM ONE PIPE JOINT UPSTREAM AND DOWNSTREAM OF EACH FITTING SHALL BE RESTRAINED

VERTICAL OFFSET:

FITTING TYPE	RESTRAIN "A" (LF) *										
	4"	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"
11-1/4"	3*	4*	5*	6*	7*	9*	10*	11*	12*	12*	12*
22-1/2"	5*	8*	10*	12*	14*	17*	18*	21	24	24	24
45"	11*	15*	20	23	28	35	39	43	50	50	50

A = MINIMUM FOOTAGE OF PIPE TO BE RESTRAINED
 * MINIMUM ONE PIPE JOINT UPSTREAM AND DOWNSTREAM OF EACH FITTING SHALL BE RESTRAINED

HDPE TRANSITION DETAIL
 Not To Scale

FITTING RESTRAINT DETAIL
 Not To Scale

VALVE BOX DETAIL
 Not To Scale

NOTES:

- These tables are based on:
 a. Maximum test pressure of 100 psi
 b. Class "C" pipe bedding
 c. Poor soil conditions
 d. PVC pipe
 e. For vertical offsets, shallower vertical fitting has a minimum cover of 3 feet.
- Restraining devices for PVC pipe shall be by Megalug (Series 2000 PV) or equal, meeting ASTM F1674.
- Any additional fittings within the restrained section shall be restrained accordingly.
- One standard length of PVC pipe (20 feet) shall be laid on either side of the fitting where possible.

TABLES:

HORIZONTAL OFFSET:

FITTING TYPE	RESTRAIN "A" (LF) *										
	4"	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"
11-1/4"	1*	2*	2*	3*	3*	3*	4*	4*	4*	4*	4*
22-1/2"	2*	3*	3*	4*	5*	5*	6*	6*	7*	7*	8*
45"	4*	5*	7*	8*	9*	11*	13*	14*	16*	16*	16*
90"	9*	12*	15*	18*	21	27	29	32	37	37	37
PLUG / CAP / ISOLATION VALVE	26	36	47	56	66	85	94	102	119	119	119

A = MINIMUM FOOTAGE OF PIPE TO BE RESTRAINED
 * MINIMUM ONE PIPE JOINT UPSTREAM AND DOWNSTREAM OF EACH FITTING SHALL BE RESTRAINED

VERTICAL OFFSET:

FITTING TYPE	RESTRAIN "A" (LF) *										
	4"	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"
11-1/4"	3*	4*	5*	6*	7*	9*	10*	11*	12*	12*	12*
22-1/2"	5*	8*	10*	12*	14*	17*	18*	21	24	24	24
45"	11*	15*	20	23	28	35	39	43	50	50	50

A = MINIMUM FOOTAGE OF PIPE TO BE RESTRAINED
 * MINIMUM ONE PIPE JOINT UPSTREAM AND DOWNSTREAM OF EACH FITTING SHALL BE RESTRAINED

2" CHECK VALVE APCO SERIES 100 MODEL #102 OR EQUAL

2" BALL VALVE

2" SCH. 80 PVC PIPE (TYP)

4" X 2" MJ REDUCER

4" C-900 PVC PIPE

Ex. 4" PLUG VALVE

24"x18"x18" VAULT

Flow

P/L

Private Property

Right-of-way

NOTES:

- Flow direction is indicated by the arrow.
- Check valve shall be installed in the direction of flow.
- Ball valve shall be installed in the direction of flow.
- Plug valve shall be installed in the direction of flow.

No.	DATE	REVISIONS	DES: DR	DRN: BL	CKD:	DATE:
3			JACINTO CARLOS FERRAS, P.E. #49454	DESIGN DIVISION HEAD	WASTEWATER DEPARTMENT	
2						
1						

CITY of TAMPA
 WASTEWATER DEPARTMENT

STANDARD DETAILS
 MISC. FM DETAILS 1 OF 2

W.O. SHEET 1 OF 15

No.	DATE	REVISIONS	DES: DR	DRN: BL	CKD:	DATE:
3			JACINTO CARLOS FERRAS, P.E. #49454	DESIGN DIVISION HEAD	WASTEWATER DEPARTMENT	
2						
1						

CITY of TAMPA
 WASTEWATER DEPARTMENT

STANDARD DETAILS
 MISC. FM DETAILS 2 OF 2

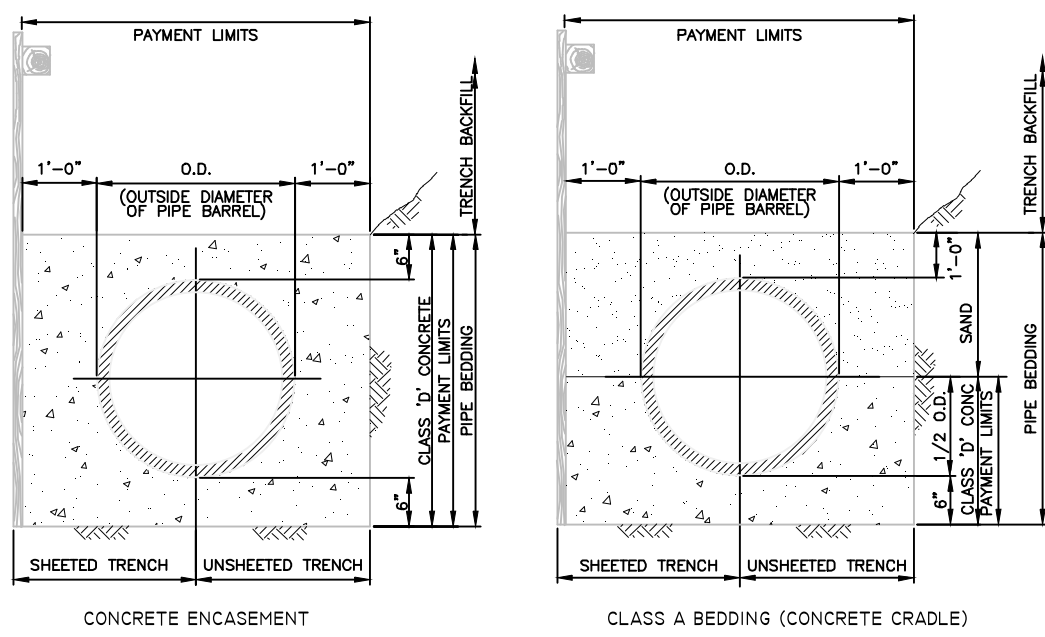
W.O. SHEET 2 OF 15

No.	DATE	REVISIONS	DES: DR	DRN: BL	CKD:	DATE:
3			JACINTO CARLOS FERRAS, P.E. #49454	DESIGN DIVISION HEAD	WASTEWATER DEPARTMENT	
2						
1						

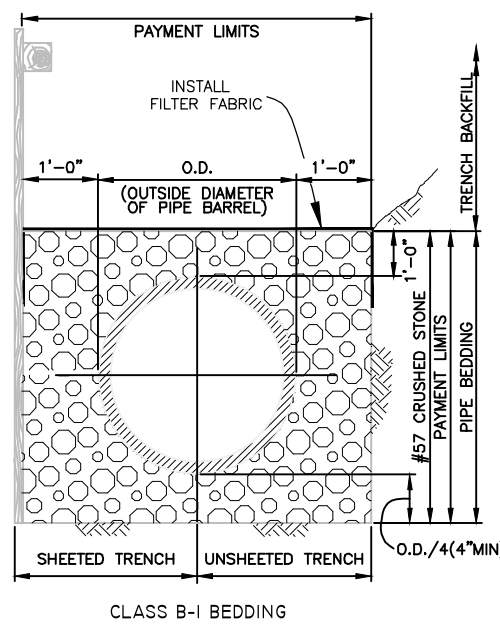
CITY of TAMPA
 WASTEWATER DEPARTMENT

STANDARD DETAILS
 SINGLE FAMILY FM REQUIRED VALVES

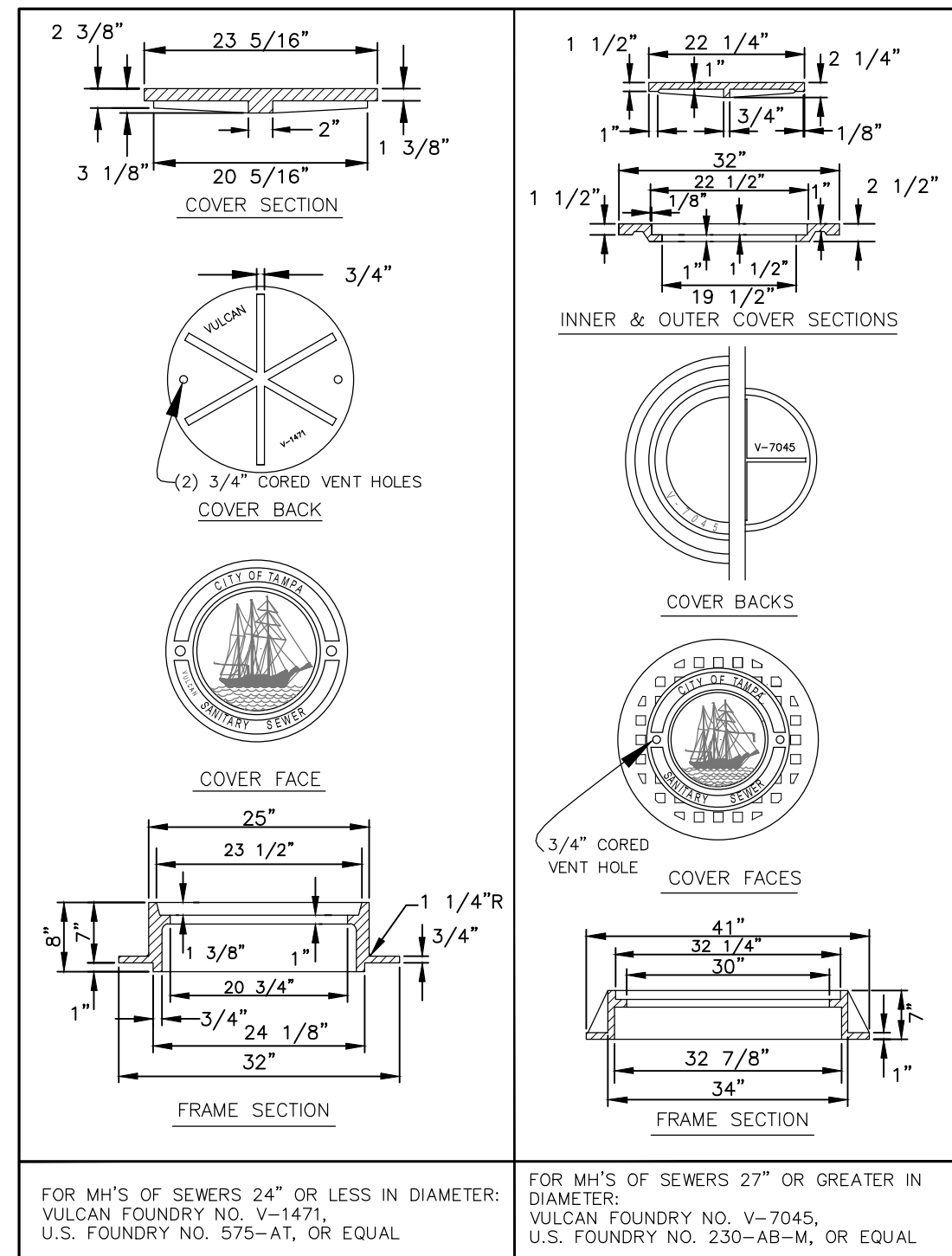
W.O. SHEET 3 OF 15



NOTES:
 1. ALL TYPES OF PIPE BEDDING SHALL EXTEND TO UNDISTURBED EARTH AT SIDES AND BOTTOM OF THE TRENCH.
 2. SAND AND CRUSHED STONE PIPE BEDDING SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.

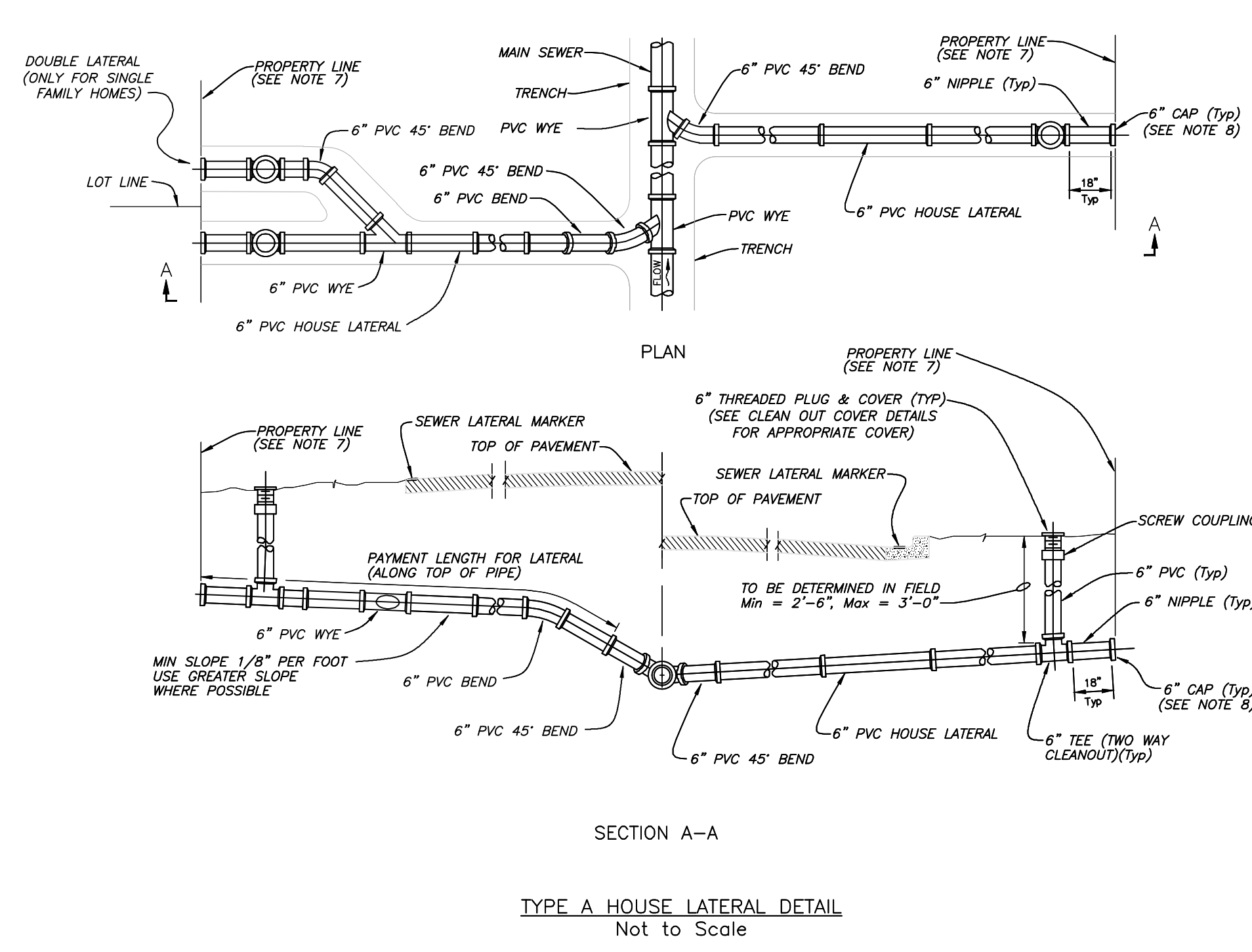


PIPE BEDDING DETAILS
N.T.S.



HEAVY DUTY CAST IRON MANHOLE
FRAME & COVER DETAILS
N.T.S.

No.	DATE	REVISIONS	DES: DR	CITY of TAMPA	STANDARD DETAILS	W.O.
3			DRN: BL	WASTEWATER DEPARTMENT	MISC. GRAVITY DETAILS	SHEET 5
2			CKD:			OF 15
1			DATE:			

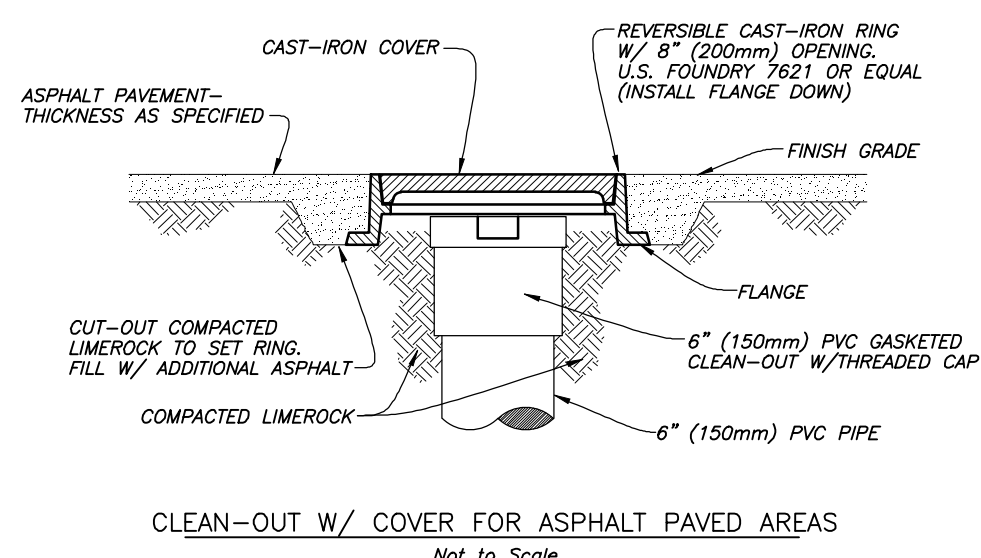


TYPE A HOUSE LATERAL DETAIL
Not to Scale

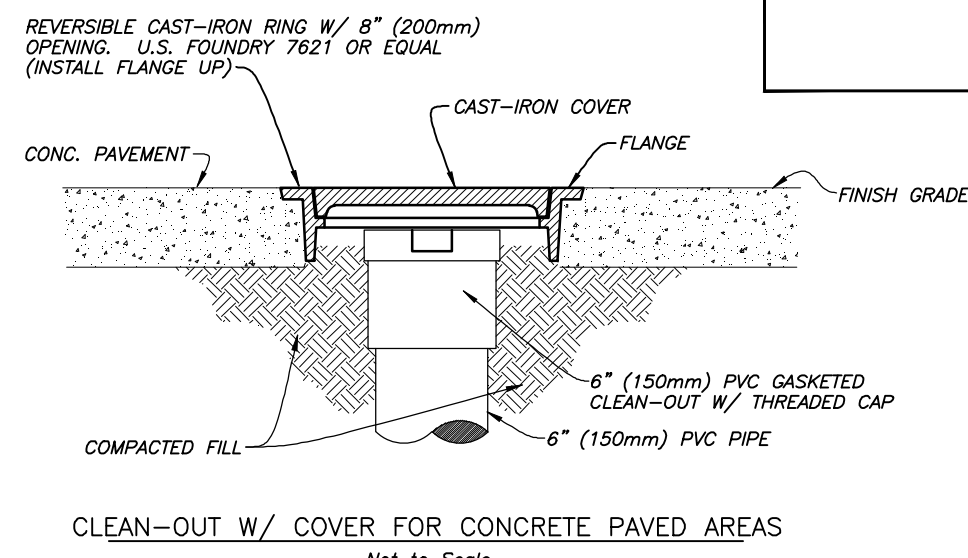
No.	DATE	REVISIONS	DES: DR	CITY of TAMPA	STANDARD DETAILS	W.O.
3			DRN: BL	WASTEWATER DEPARTMENT	NEW LATERAL CONNECTIONS	SHEET 6
2			CKD:			OF 15
1			DATE:			

- NOTES:
- The locations of house laterals by symbols on plans are approximate only and the actual location and signs will be determined in the field by the contractor with the approval of the engineer.
 - The minimum diameter of all house laterals shall be 6 inches.
 - The vertical alignment of the service lateral shall be designed so that no more than two (2) vertical bends are required between the connection to the gravity main and the property line.
 - House laterals which pass under drainage ditches with less than 18" of cover or which have less than 30" of cover under pavement shall be Pressure Class 350 with 40 mils (MDFT) of Protecto 401 interior coating per specifications.
 - A minimum vertical clearance of 12-inches shall be provided when crossing above a water main. However, a vertical clearance less than 12-inches but greater than 6-inches will be allowed if the lateral is installed using one of the following criteria:
 - The lateral is constructed of ductile iron pipe with a minimum pressure class of 350 with 40 mils (MDFT) of Protecto 401 interior coating.
 - The lateral is encased in at least 4-inches of concrete.
 - The lateral is installed in a casing pipe with an impact strength equal to the impact strength of pressure class 350 ductile iron.
 - A minimum of 6-inches of vertical clearance shall be provided when crossing below water mains with a diameter 6-inches or less. A minimum of 12-inches of clearance shall be provided when crossing below a water main with a diameter greater than 6-inches, up to a diameter of 18-inches. A minimum of 18-inches of vertical clearance will be required when crossing under a water main with diameters greater than 18-inches.
 - At all water main crossings, joints of the lateral pipe at the crossing shall be arranged so that no joint is within 6-ft of a joint along the water main. If the joint spacing can not be achieved, then the gravity sewer at the crossing shall be constructed of C-900 PVC.
 - A minimum vertical clearance of 6-inches shall be provided when crossing above all utilities other than a water main. A minimum of 6-inches of vertical clearance shall be provided when crossing below a utility with a diameter 6-inches or less. A minimum of 12-inches of clearance shall be provided when crossing below a utility with a diameter greater than 6-inches up to a diameter of 18-inches. A minimum of 18-inches of vertical clearance will be required when crossing under utilities with diameters greater than 18-inches.
 - Transitions from SDR 35 PVC to either C900 or ductile iron pipes shall be made with PVC rigid adaptors. Transitions from SDR 35 PVC to either existing clay or concrete pipes shall be made with a Fernco 1000 series flexible coupling with stainless steel shear ring or approved equal.
 - In sub-divisions where the Developer has provided a recorded utility easement (typically 10') beyond the property line, the clean out shall be installed within the easement away from the sidewalk.
 - At the direction of the City's inspector, the contractor shall temporarily stake the cap of all laterals at the property line with a 2"x4" treated wood stake.
 - Double laterals are only allowed for single family homes on single lots.

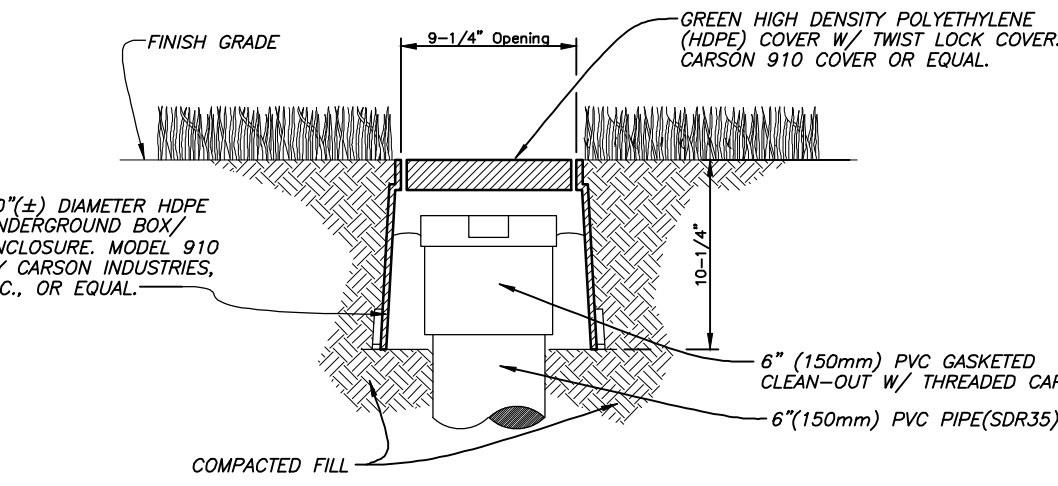
No.	DATE	REVISIONS	DES: DR	CITY of TAMPA	STANDARD DETAILS	W.O.
3			DRN: BL	WASTEWATER DEPARTMENT	CLEANOUT COVER DETAILS	SHEET 8
2			CKD:			OF 15
1			DATE:			



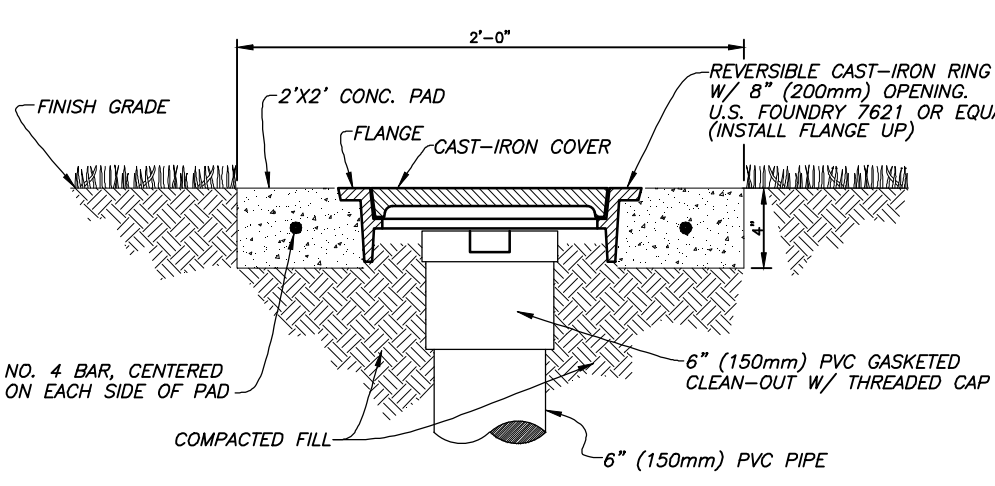
CLEAN-OUT W/ COVER FOR ASPHALT PAVED AREAS
Not to Scale



CLEAN-OUT W/ COVER FOR CONCRETE PAVED AREAS
Not to Scale



CLEAN-OUT W/ COVER FOR GRASS (NON-VEHICULAR TRAFFIC) AREAS
Not to Scale

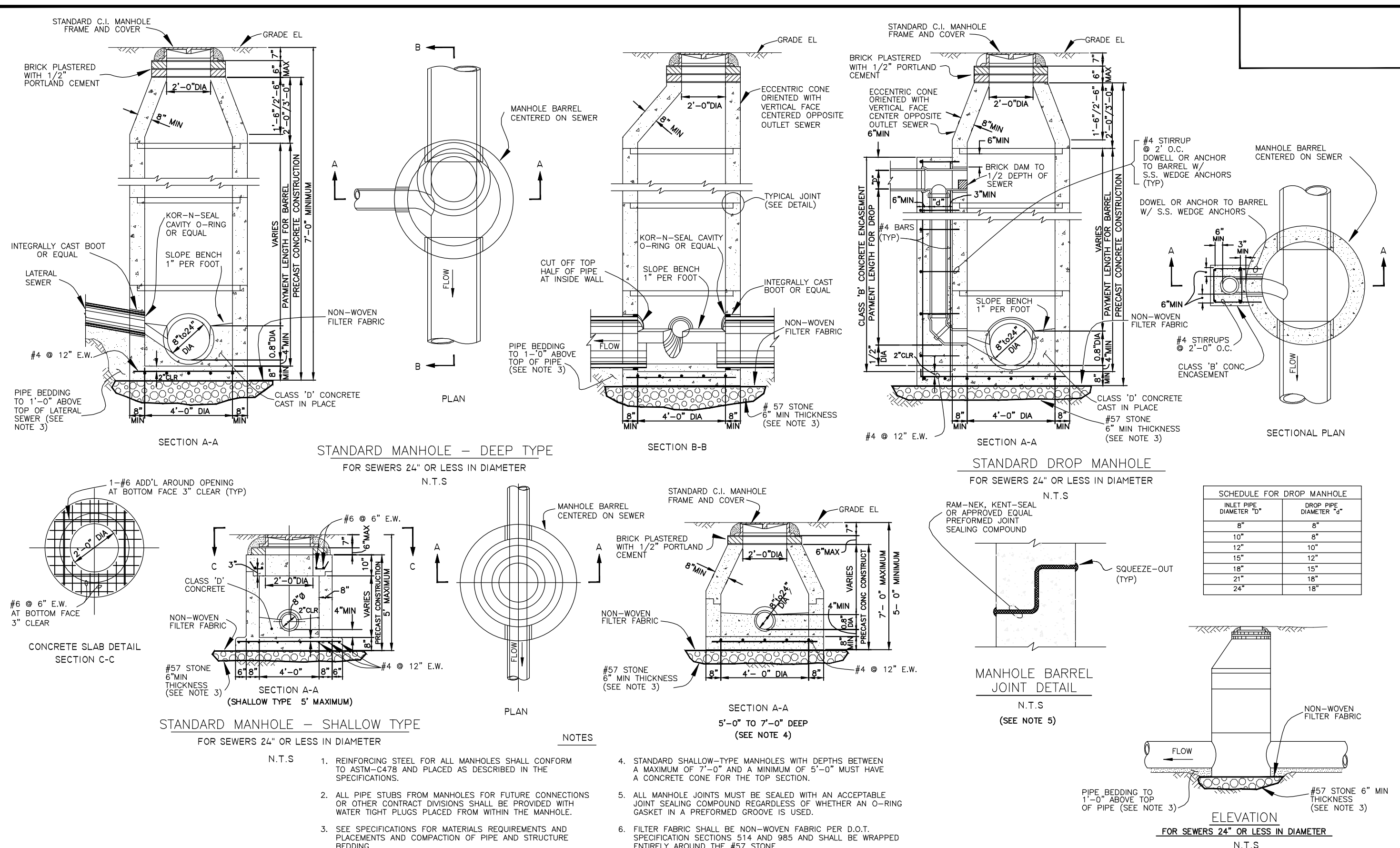


CLEAN-OUT W/ COVER FOR GRASSED AREAS W/VEHICULAR TRAFFIC
Not to Scale

- NOTES:
- Contractor shall adjust the clean-out and cast iron ring and cover or HDPE box and cover so that the cover is seated securely and the top of the cover is flush with the finish grade. The PVC cap of the clean-out shall be no more than 4 inches deeper than the finish grade.
 - PVC cap may be provided with recessed nut.
 - Cast iron cover shall be provided with an embossed letter "S" for identification. HDPE cover shall be marked "SEWER" for identification.
 - Cast iron ring and cover, or HDPE box and cover, as well as the four (4) square feet of material (concrete or asphalt around the clean-out), are part of the clean out installation and cost shall be included within the unit price for clean-out with no additional payment.
 - All clean-outs on this project shall be one of the four types shown on this sheet. Field conditions will determine which type.

CLEANOUT COVER DETAILS
Not to Scale

No.	DATE	REVISIONS	DES: DR	CITY of TAMPA	STANDARD DETAILS	W.O.
3			DRN: BL	WASTEWATER DEPARTMENT	CLEANOUT COVER DETAILS	SHEET 8
2			CKD:			OF 15
1			DATE:			



STANDARD MANHOLE - DEEP TYPE
FOR SEWERS 24" OR LESS IN DIAMETER
N.T.S.

STANDARD MANHOLE - SHALLOW TYPE
FOR SEWERS 24" OR LESS IN DIAMETER
N.T.S.

- NOTES:
- REINFORCING STEEL FOR ALL MANHOLES SHALL CONFORM TO ASTM-A478 AND BE PLACED AS DESCRIBED IN THE SPECIFICATIONS.
 - ALL PIPE STUBS FROM MANHOLES FOR FUTURE CONNECTIONS OR OTHER CONTRACT DIVISIONS SHALL BE PROVIDED WITH WATER TIGHT PLUGS PLACED FROM WITHIN THE MANHOLE.
 - SEE SPECIFICATIONS FOR MATERIALS REQUIREMENTS AND PLACEMENTS AND COMPACTION OF PIPE AND STRUCTURE BEDDING.
 - STANDARD SHALLOW-TYPE MANHOLES WITH DEPTHS BETWEEN A MAXIMUM OF 7'-0" AND A MINIMUM OF 0'-0" MUST HAVE A CONCRETE CONE FOR THE TOP SECTION.
 - ALL MANHOLE JOINTS MUST BE SEALED WITH AN ACCEPTABLE JOINT SEALING COMPOUND REGARDLESS OF WHETHER AN O-RING GASKET IS A PRE-FORMED GROOVE IS USED.
 - FILTER FABRIC SHALL BE NON-WOVEN FABRIC PER D.O.T. SPECIFICATION SECTIONS S14 AND S85 AND SHALL BE WRAPPED ENTIRELY AROUND THE #57 STONE.

SCHEDULE FOR DROP MANHOLE
N.T.S.

MAXIMUM DIAMETER "D"	MINIMUM DIAMETER "d"
12"	8"
15"	10"
18"	12"
21"	15"
24"	18"

No.	DATE	REVISIONS	DES: DR	CITY of TAMPA	STANDARD DETAILS	W.O.
3			DRN: BL	WASTEWATER DEPARTMENT	STANDARD MANHOLE 8" TO 24"	SHEET 9
2			CKD:			OF 15
1			DATE:			



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WASTEWATER
 DETAILS

SHEET No:
 CD-3



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FIRE STATION 19
 7910 INTERBAY BLVD.
 TAMPA, FLORIDA

DPW FILE NUMBER

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Elevations shown within this plan set are based on North American Vertical Datum (NAVD)
 NAVD 88 = NGVD 29 - 0.86'

FBPR Certificate of Authorization No.: 26929

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 FLORIDA PROFESSIONAL ENGINEER

**LIFT STATION
 DETAILS**

SHEET No:

CD-4

WASTEWATER PUMPING STATION DESIGN PARAMETERS

1 Service Area				
Fire station at 7910 Interbay Blvd Tampa, FL				
2 Design Capacity				
A. Average Daily Flow				
1. 12 Employees Per Person @ 100 GPD	1200	GPD		
2. 36 meals @ 5 GPD	180	GPD		
Total ADF	1,380	GPD		
B. Peak Hour Flow (Max Peak Factor = 3.0) (ADF * PF)/1440 =				
	2.88	gpm		
C. Design Minimum Flow For 2 inch discharge line use to avoid suspension of solids				
	30	gpm (restricted to 30 GPM per commitment letter)		
3 Wetwell Design (duplex grinder pump)				
A. Design Criteria				
1. Maximum Pump Motor Cycle Rate =	6	starts per hour		
2. Maximum Detention Time at Minimum Flow =	30	min		
B. Pump control level settings				
1. Pump cycling rates are at a maximum when inflow equals one-half the design pumping rate of	30	gpm		
2. Wetwell volume required between pump start and pump shut off	$V = (\text{cycle period} * \frac{1}{2} \text{ pump rate})/2$			
	75	gal		
3. Wetwell Diameter =	4	feet		
4. Wetwell volume =	75	gallons/ft of depth		
5. Wetwell change between pump stop and lead pump start	$75 \text{ gal} / 94.0 \text{ gal/ft depth} =$			
	0.80	ft		
C. Control Elevations				
Bottom =	0.6	NAVD		
All Pumps off =	1.35	NAVD		
Lead Pump on =	2.40	NAVD		
Log Pump On =	2.90	NAVD		
High water alarm =	4.62	NAVD		
Influent Invert =	4.62	NAVD		
Top el =	10.6	NAVD		
4 System Curve Calculations				
A. Pumping Station Piping				
Item	Quantity	Unit	Friction Loss (ft)	Total Loss (ft)
a. 2" PVC	56	LF	1	56
b. 2" 90° Elbow	4	EA	5	20
c. 2" 45° Elbow	0	EA	4	0
d. 2" Check Valve	4	EA	14	56
e. 2" Cross	1	EA	10	10
f. 4" x 2" Reducer	1	EA	5	5
Total Equivalent Length				147
Item	Quantity	Unit	Friction Loss (ft)	Total Loss (ft)
a. 4" PVC	0	LF	1	0
b. 4" Tee Branch	0	EA	22	0
Total Equivalent Length				0
C. Static Head				
Item	Quantity	Unit	Total Loss (ft)	
a. Average Pump level in wetwell (mid between shut off and lead pump on)	1.9	ft NAVD		
b. Pipe centerline at discharge	6.5	ft NAVD		
c. Total Static Head	4.7	ft		
D. Pressure at Point of Connection				
Item	Quantity	Unit		
a. Pressure at POC	13	ft		
5 System Head Computations				
Item	Total Friction Losses in Feet			
	Flow Rate (GPM)			
	20	25	30	35
Pumping Station				
Equivalent Length	1.6	2.4	3.4	4.4
147 LF of 2" PVC				
Force Main Piping				
Equivalent Length	0.0	0.0	0.0	0.0
0 LF of 4" PVC				
Static Head	4.7	4.7	4.7	4.7
Design Pressure at POC	13	13	13	13
Total Losses System Curve	19.3	20.1	21.1	22.1

GENERAL NOTES

DESIGN CONDITION:

MODEL	EBARA 32 DGF	2 HP	HP
GPM	27.9	20.6	FT/DM
VOLTAGE	208/230/460	SINGLE/THREE	PHASE
DISCHARGE	2"	3 13/16"	IMPELLER

SEWAGE GRINDER PUMP: 1. RATED FOR TWENTY (20) STARTS PER HOUR.
 2. AIR FILLED MOTOR DESIGNED FOR SEWAGE APPLICATION WITH CLASS F INSULATION.
 3. DUAL MECHANICAL SHAFT SEALS (SILICON CARBIDE / SILICON CARBIDE) LOCATED OUT OF THE PUMPAGE, IN A SEPARATE OIL FILLED CHAMBER.
 4. HIGH TEMPERATURE BALL BEARINGS B-10 RATING OF 60,000 HOURS. UPPER BEARING - SINGLE ROW AND LOWER BEARINGS - DOUBLE ROW TYPE.
 5. PUMP SHAFT HORSEPOWER (BHP) SHALL NOT EXCEED MOTOR RATED HORSEPOWER THROUGHOUT THE ENTIRE OPERATING RANGE OF THE PUMP PERFORMANCE CURVE.
 6. SINGLE PHASE MOTORS SHALL BE DUAL WOUND, CAPACITOR START-RUN AND CAPABLE OF OPERATING ON 208/230 VOLT WITH A 10% TOLERANCE VOLTAGE (190 TO 260). THREE PHASE MOTORS SHALL BE DUAL WOUND AND CAPABLE OF OPERATING ON 208/230 VOLT WITH A 10% TOLERANCE VOLTAGE (190 TO 260) OR OPERATE ON 460 VOLT BY CHANGING THE MOTOR LEADS INSIDE THE PUMP.

FIBERGLASS WET WELL: SHALL BE A ONE PIECE UNIT WITH INTEGRAL BOTTOM, WALL AND UPPER FLANGE. THE ENTIRE FIBERGLASS WET WELL SHALL HAVE A DYNAMIC LOAD RATING OF 16,000 FT/LBS. EACH UNIT MUST BE SERIAL NUMBERED TO IDENTIFY THE TEST PROCEDURE. ASTM D 3753 & H-20 SPECIFICATIONS SHALL BE REQUIRED AS MINIMUM.

ALUMINUM HATCH: TSC MODEL-54R (54") ROUND WITH 24" X 36" LOCKABLE HATCH. REINFORCED FOR LOAD RATING OF 300 LBS/FT WITH HOLD OPEN SAFETY ARM, LOCKING DEVICE FOR HASP TYPE PADLOCK AND STAINLESS STEEL HARDWARE.

VALVE BOX: FIBERGLASS COMPOSITE (H-10 TRAFFIC RATED) WITH INTEGRAL BOTTOM. (FOR 1 1/4" AND 2" DISCHARGE PIPING SXS HEADER SYSTEM) SHALL BE 26" X 38" X 18" WITH 17" X 30" LIMITED ACCESS LID

ACCESSORIES: #304 S/S - GUIDE RAILS, UPPER GUIDE RAIL BRACKETS, CABLE HOLDER, ANCHOR BOLTS AND PUMP LIFTING CHAINS.

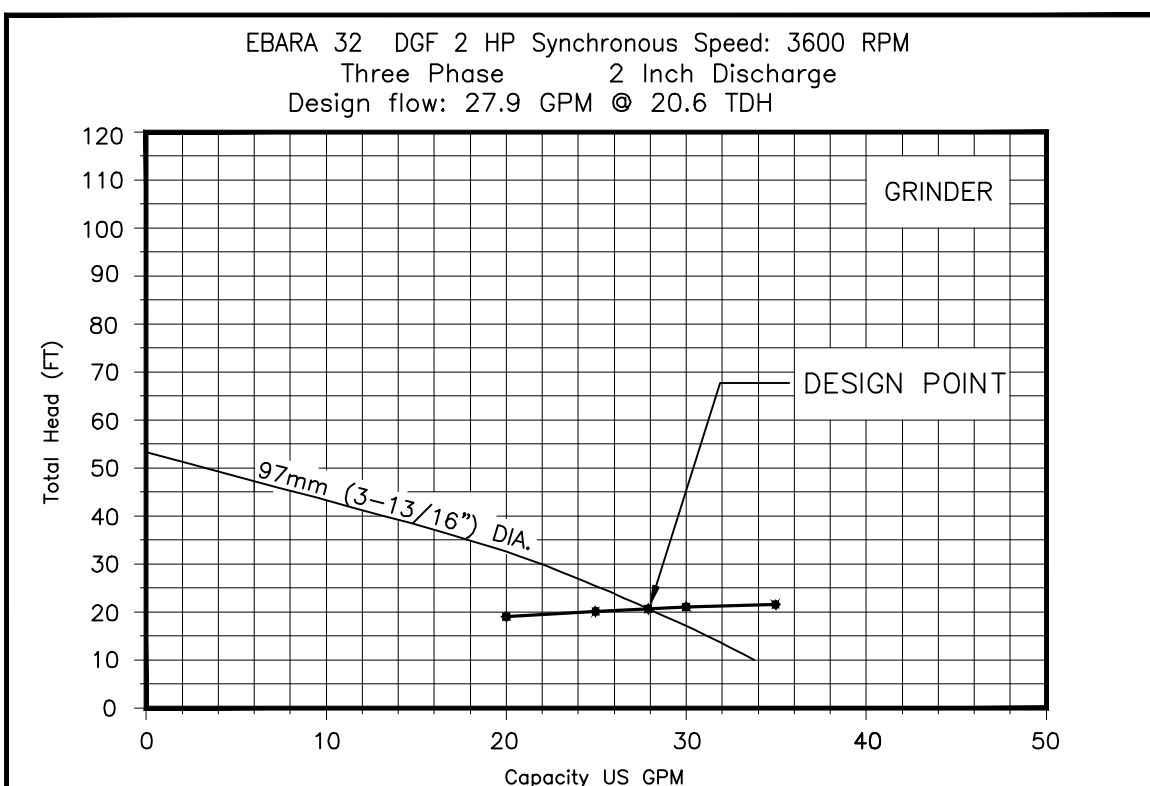
VALVES: SHALL BE SEWAGE SERVICE DESIGN BRASS SWING CHECK VALVES WITH TOP ENTRY CLEAN-OUT PORT AND BRASS WEDGE GATE VALVES OPEN 100%.

PIPING: 2" SCHEDULE 80 PVC.

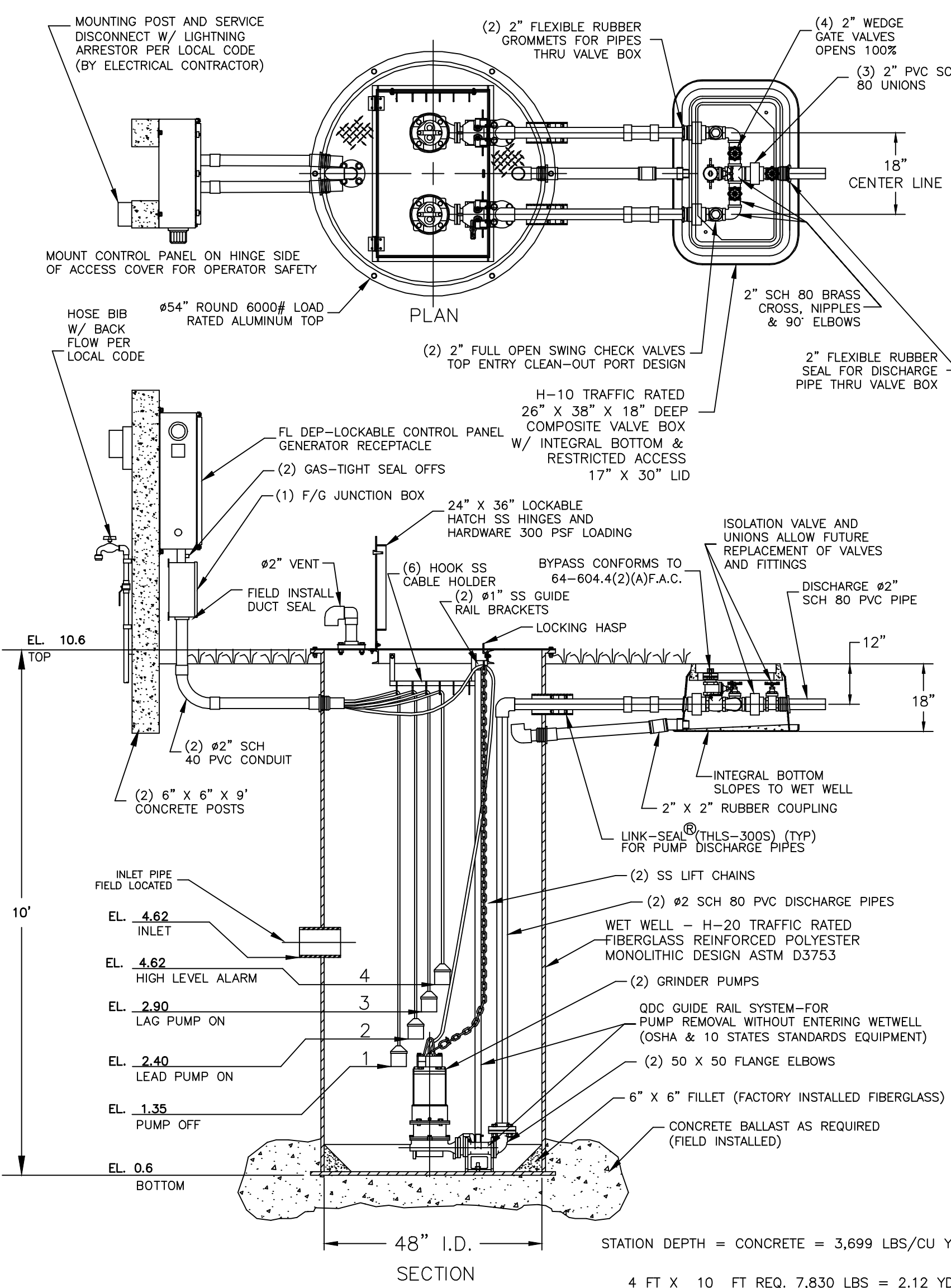
FLOAT SWITCHES: UL LISTED SJ ELECTRO MODEL (SJ 30 SWENO).

PUMP SUPPLIER SHALL PROVIDE SUBMERSIBLE PUMPS, SLIDE RAIL ASSEMBLIES, CONTROL PANEL, JUNCTION BOX, FLOAT SWITCHES, ALUMINUM HATCH AND ACCESSORIES TO INSURE PROPER OPERATION AND WARRANTY.

THE COMPLETE PACKAGE PUMPING STATION SHALL HAVE PUMP BASES, SLIDE RAIL ASSEMBLIES AND DISCHARGE PIPING ASSEMBLED BY TECHNICAL SALES CORPORATION READY TO SHIP FOR FIELD INSTALLATION.



PUMP PERFORMANCE CURVE



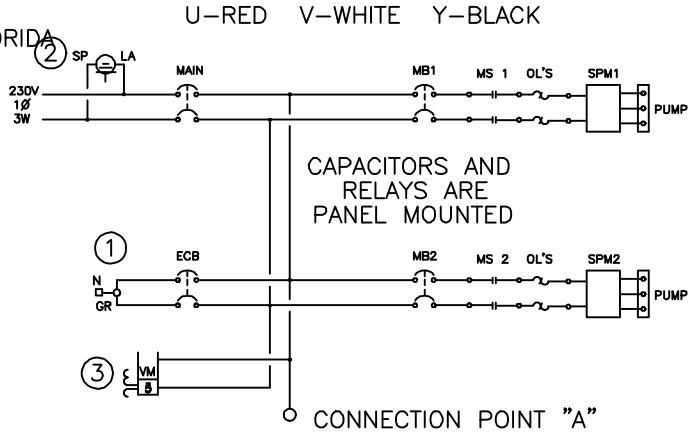
**SEWAGE GRINDER PUMP
 48" DUPLEX STATION - 2" PIPING
 WITH SLIDE RAIL SYSTEM, F.D.E.P. PANEL & B.B.U.**

2. GROUT FILLET (1 TO 1 SLOPE TO "HOPPER" BOTTOM)
1. HOSE BIBB WITH REDUCED PRESSURE BACK FLOW PREVENTER FIELD INSTALL BY CONTRACTOR

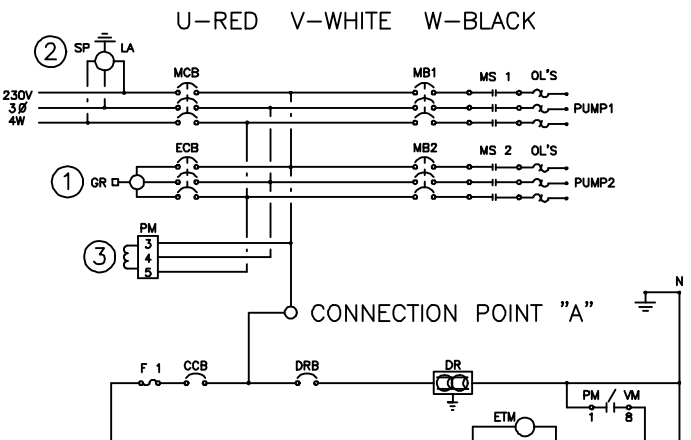
1 48" DUPLEX GRINDER STATION WITH CONTROL PANEL
 NOT TO SCALE

CONTROL PANEL - SHALL CONFORM TO FL DEP 64-604.42(A)
 CONTROL PANEL SHALL BE TSC MODEL # 38-D IN NEMA 4X STAINLESS STEEL ENCLOSURE. THE PANEL SHALL MEET STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), ENVIRONMENTAL PROTECTION COMMISSION (EPC) AND LOCAL CODE REQUIREMENTS GOVERNING PRIVATE LIFT STATIONS.
 FLOAT SWITCHES AND CONTROL SYSTEM SHALL BE UL LISTED AND INTRINSICALLY SAFE. ALL COMPONENTS SHALL BE UL LISTED.
 A JUNCTION BOX IS REQUIRED, WITH SHOP POURED SEALS BETWEEN BOX AND CONTROL PANEL TO PREVENT SEWER GAS ENTRY INTO CONTROL PANEL.
 ELECTRICAL CONTRACTOR TO PROVIDE SERVICE DISCONNECT WITH LIGHTNING ARRESTOR MOUNTED PER LOCAL CODES.
 THE CONTROL PANEL SHALL BE SUITABLY INSTALLED TO PREVENT SETTLING OR TIPPING.
 BATTERY BACK-UP ALARM SYSTEM TO BE INCORPORATED INTO CONTROL PANEL PER THE "10 STATES STANDARDS"

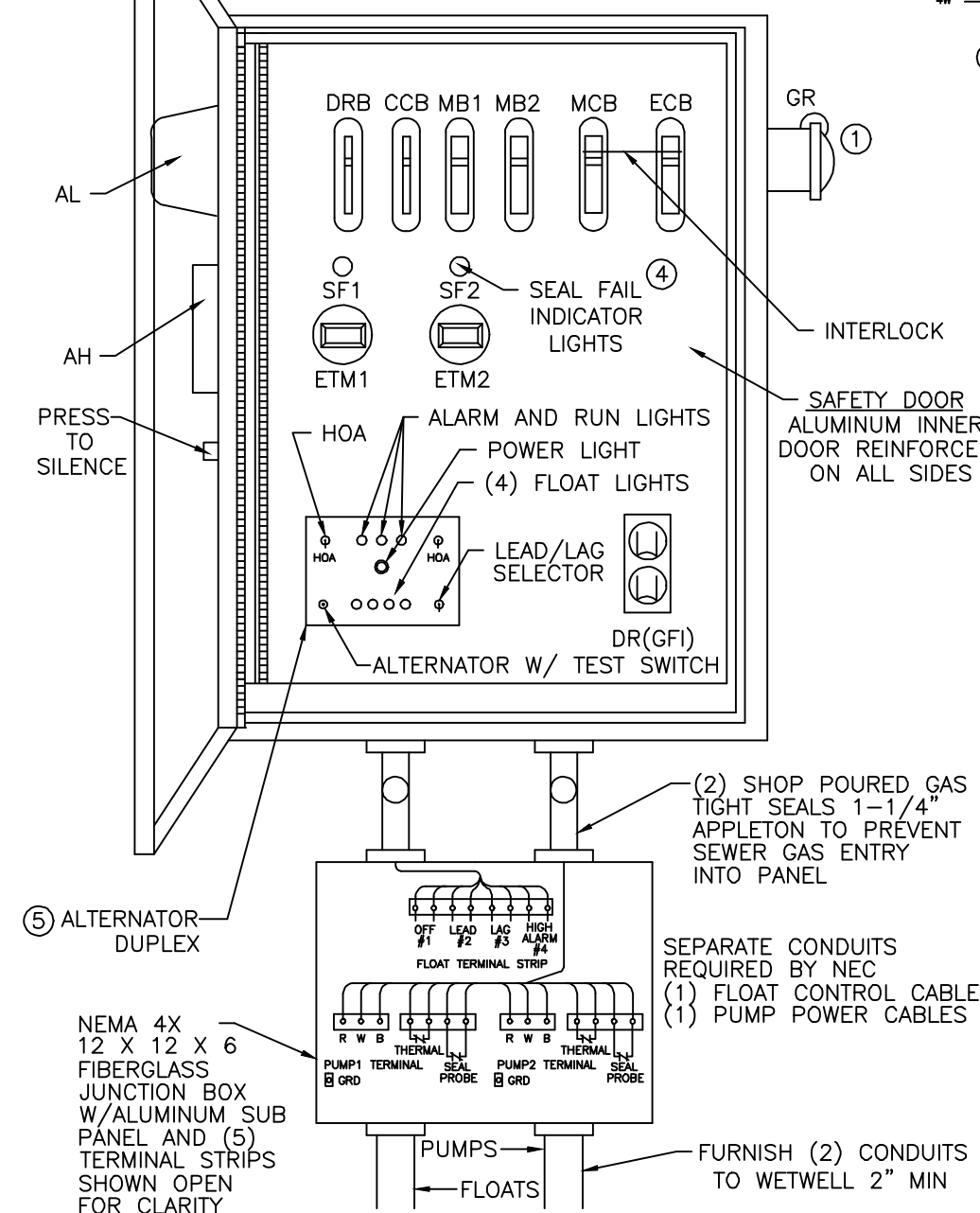
SINGLE PHASE WIRING DIAGRAM



THREE PHASE WIRING DIAGRAM



CONTROL PANEL LAYOUT



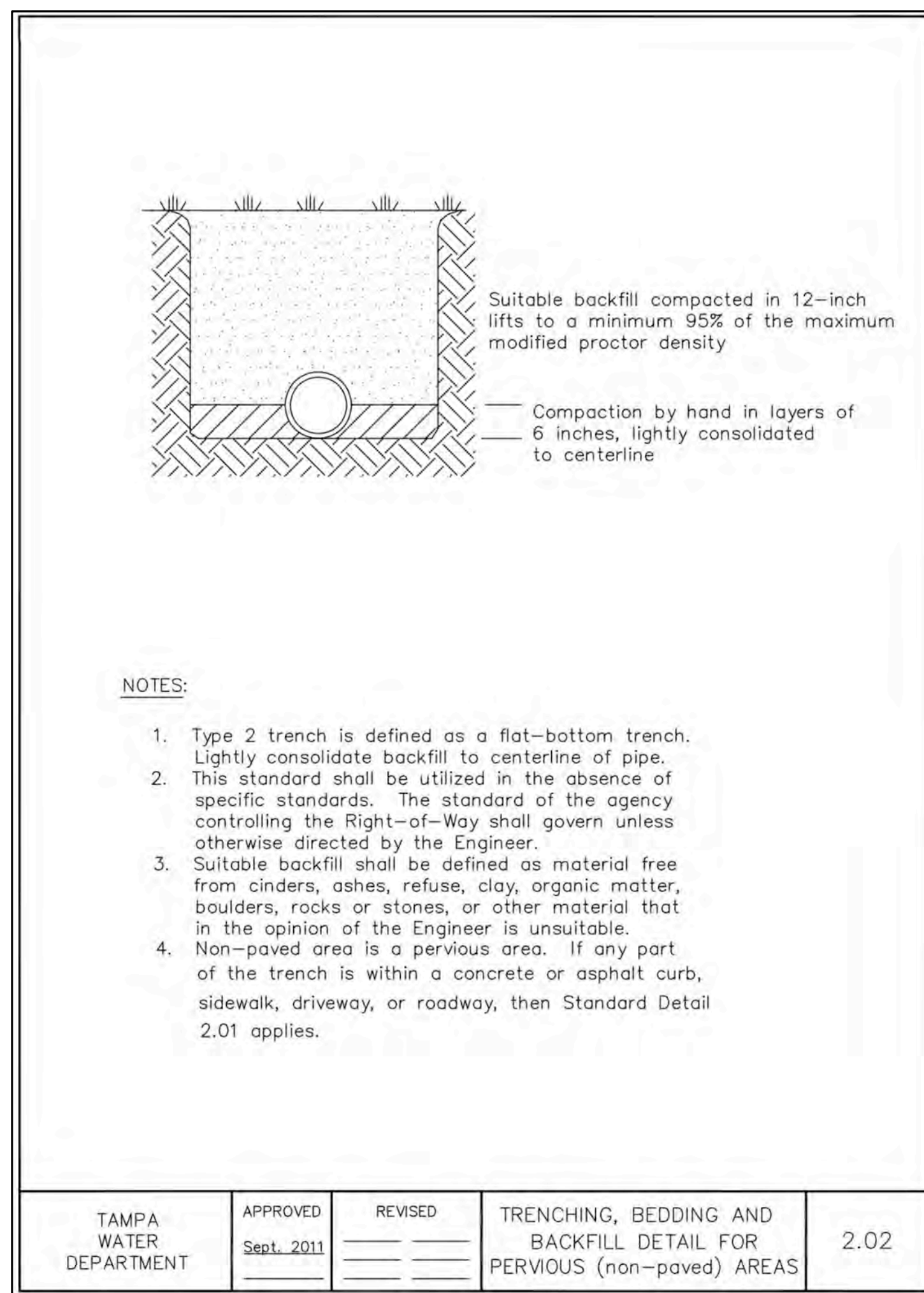
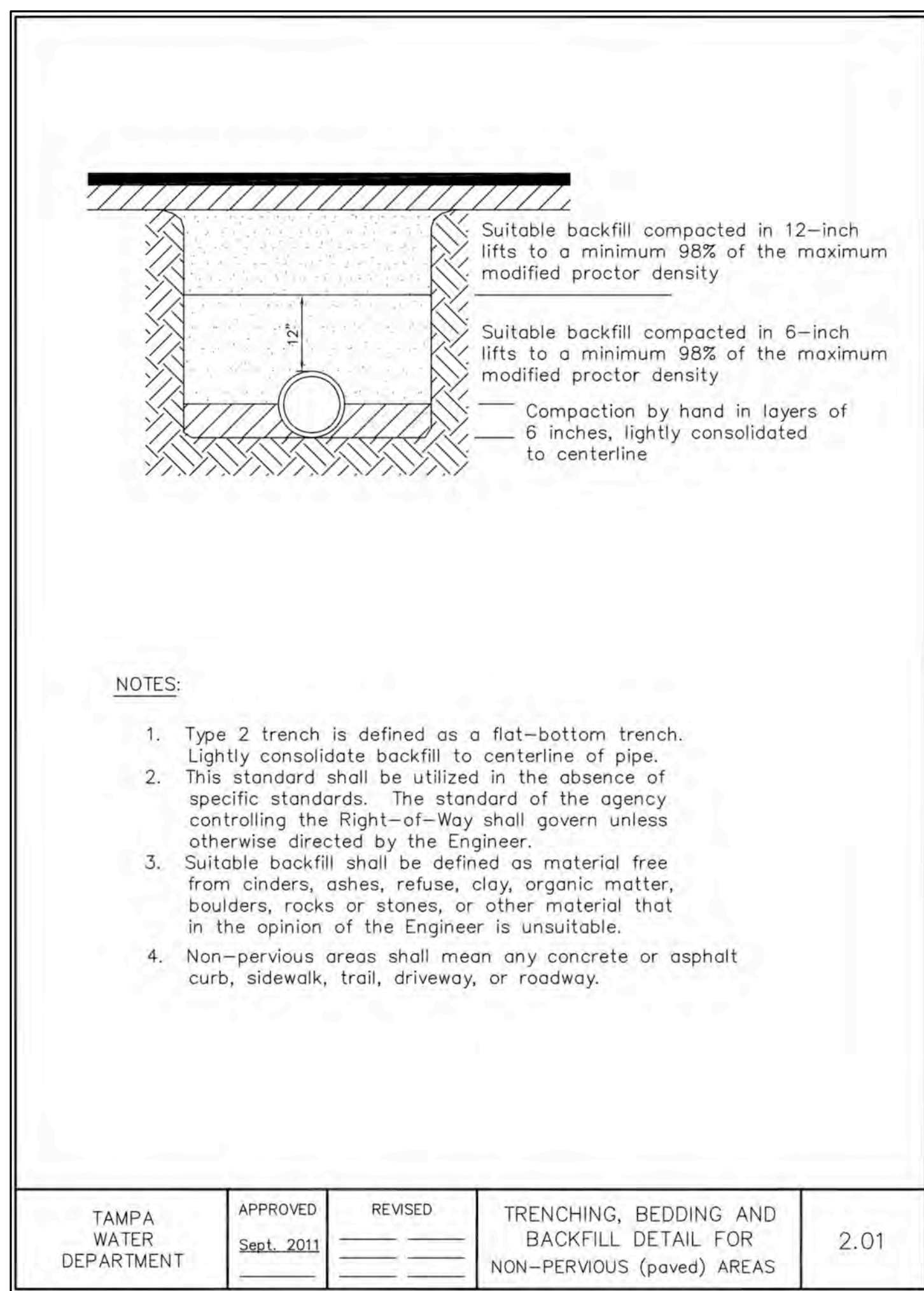
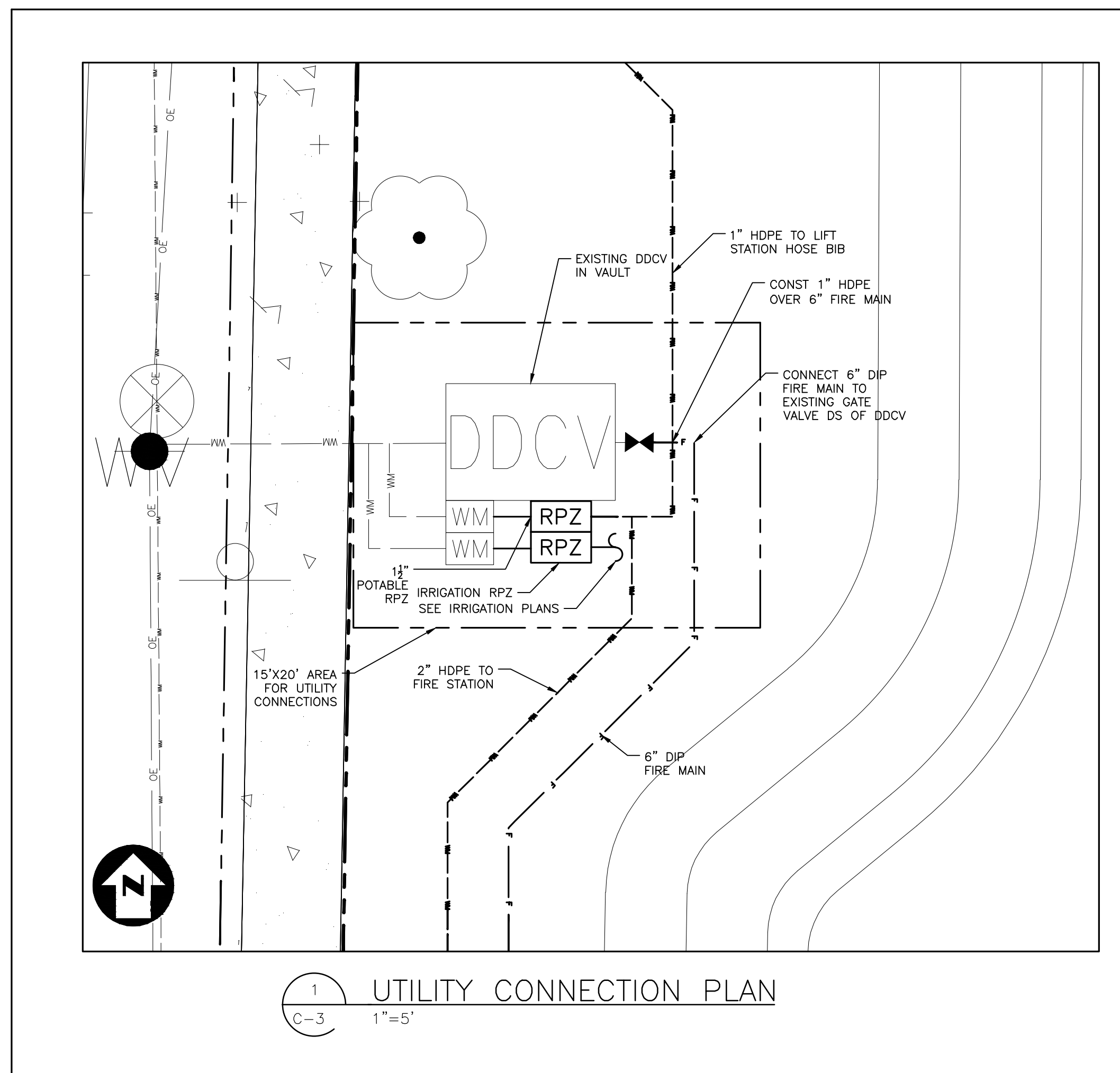
LEGEND

- AH ALARM HORN
- AL ALARM LIGHT
- ASB ALARM SILENCE BUTTON
- ATS ALTERNATOR W/TEST SWITCH
- ATB BATTERY (BACK-UP UNIT)
- BBU BATTERY (BACK-UP UNIT)
- CCB CONTROL CIRCUIT BREAKER
- DR DUPLEX RECEPTACLE
- DRB DUPLEX RECEPTACLE BREAKER
- ECB EMERGENCY CIRCUIT BREAKER
- ETM ELAPSED TIME METER
- F FUSE
- FL FLASHER
- FS FLOAT SWITCH (REGULATOR)
- GR GENERATOR RECEPTACLE
- GRD GROUND
- HOA HAND-OFF-AUTOMATIC SELECTOR
- LA LIGHTNING ARRESTOR
- MB MOTOR BREAKER
- MCB MAIN CIRCUIT BREAKER
- MS MOTOR STARTER
- N NEUTRAL
- OL'S OVERLOAD HEATERS
- PHASE MONITOR
- PM PUMP MONITOR
- PTS PUMP TERMINAL STRIP
- R RELAY
- RC RUN CAPACITOR
- RD DISCHARGE RESISTOR
- RL PUMP RUN INDICATORS
- RTS REGULATOR TERMINAL STRIP
- SC START CAPACITOR
- SF SEAL FAIL (SHAFT)
- SR START RELAY
- SP SURGE PROTECTOR
- TTS THERMAL TERMINAL STRIP

PANEL WIRING DIAGRAM

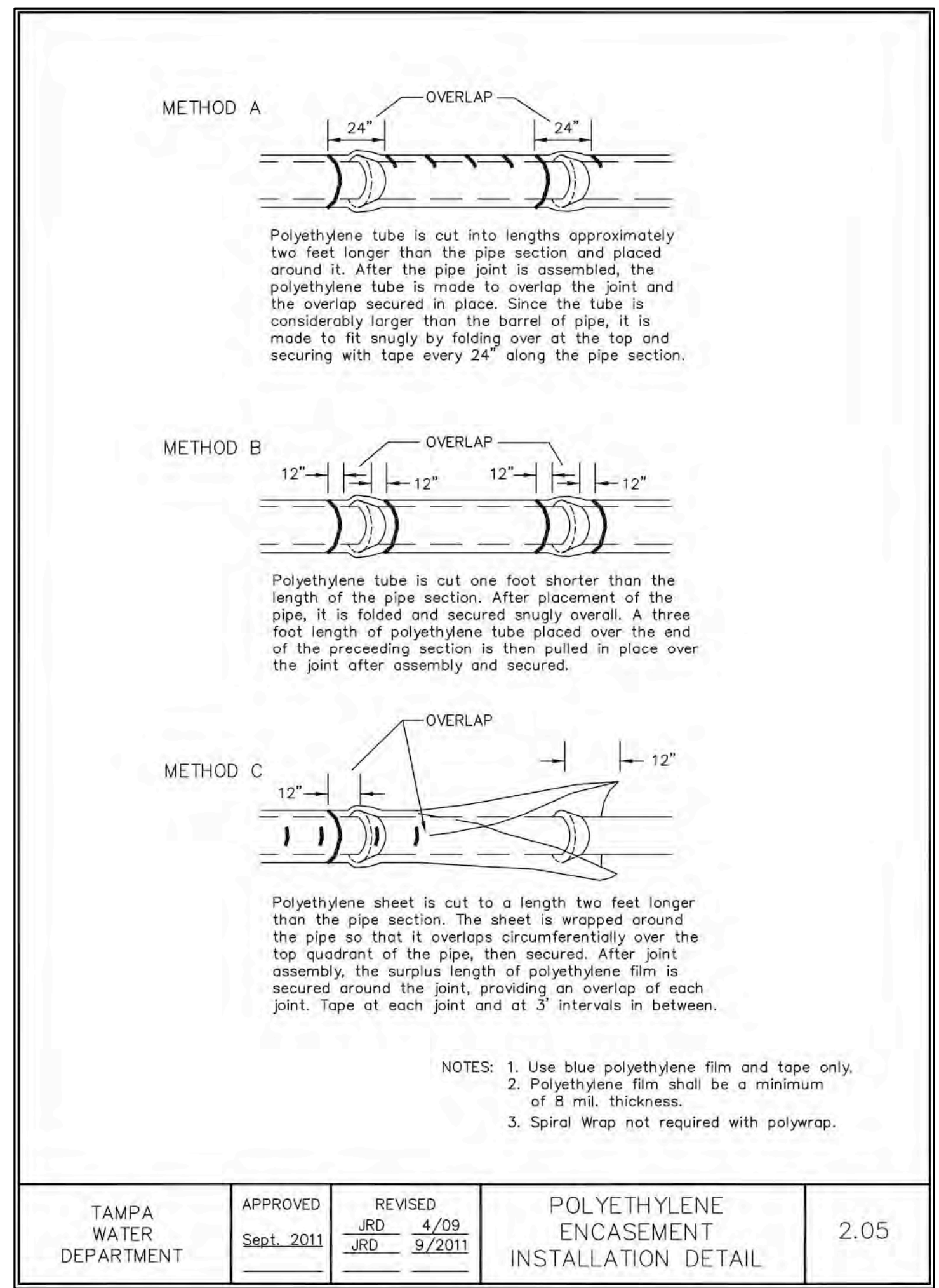
- PANELS SHALL CONFORM TO FLORIDA DEP 64-604.400
1. GENERATOR RECEPTACLE FOR EMERGENCY POWER CONNECTION WITH INTERLOCK
 2. SURGE PROTECTION AND LIGHTNING PROTECTION ON ALL INCOMING LEGS
 3. PHASE PROTECTION SHALL BE PROVIDED
 4. SHAFT SEAL FAIL DETECTION
 5. ALTERNATOR W/TEST SWITCH
 6. BATTERY BACK-UP UNIT
- PANEL MANUFACTURER SHALL BE A "UL" LISTED SHOP.

2 CONTROL PANEL LAYOUT
 NOT TO SCALE

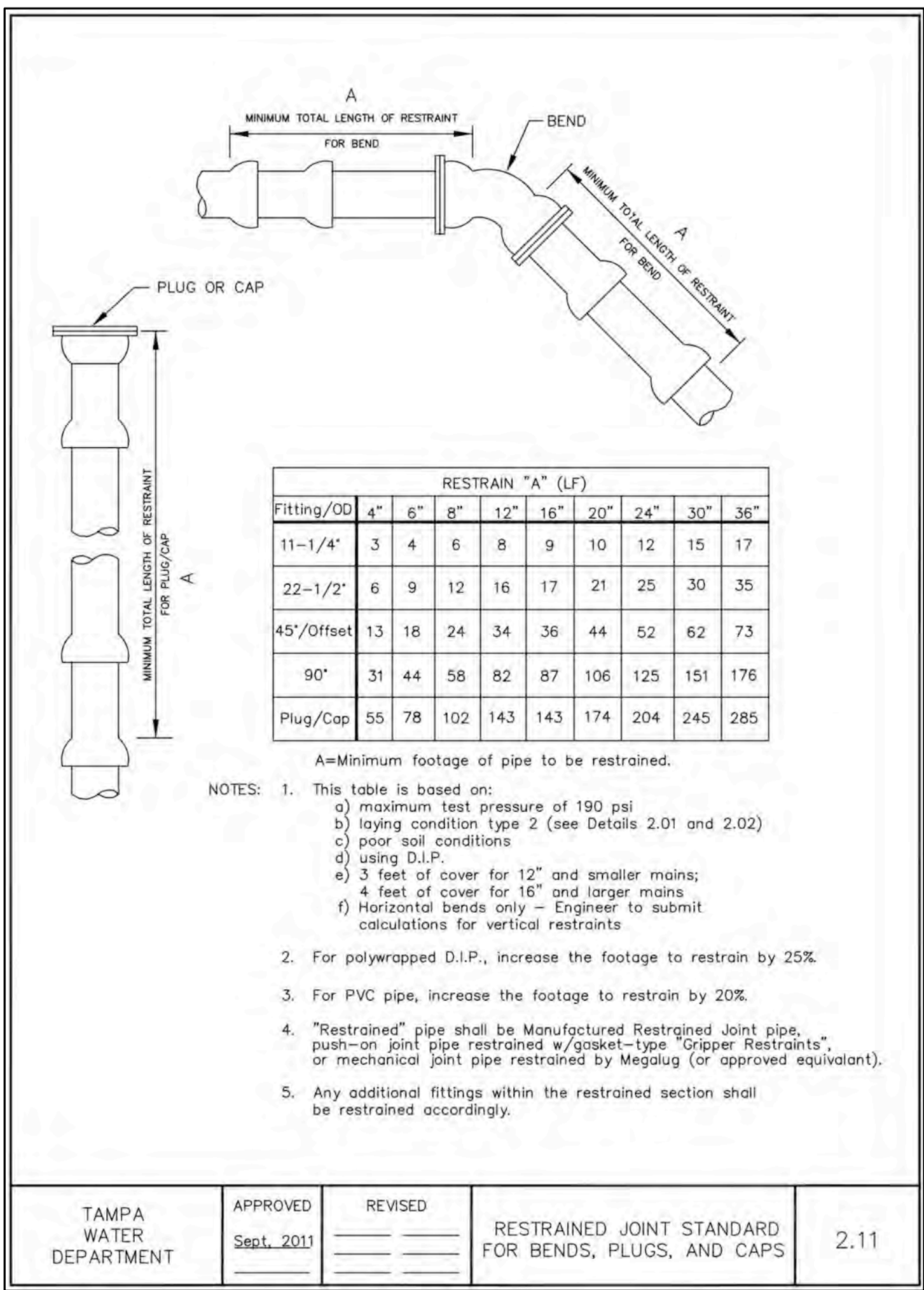


TAMPA WATER DEPARTMENT	APPROVED Sept. 2011	REVISED	TRENCHING, BEDDING AND BACKFILL DETAIL FOR NON-PERVIOUS (PAVED) AREAS	2.01
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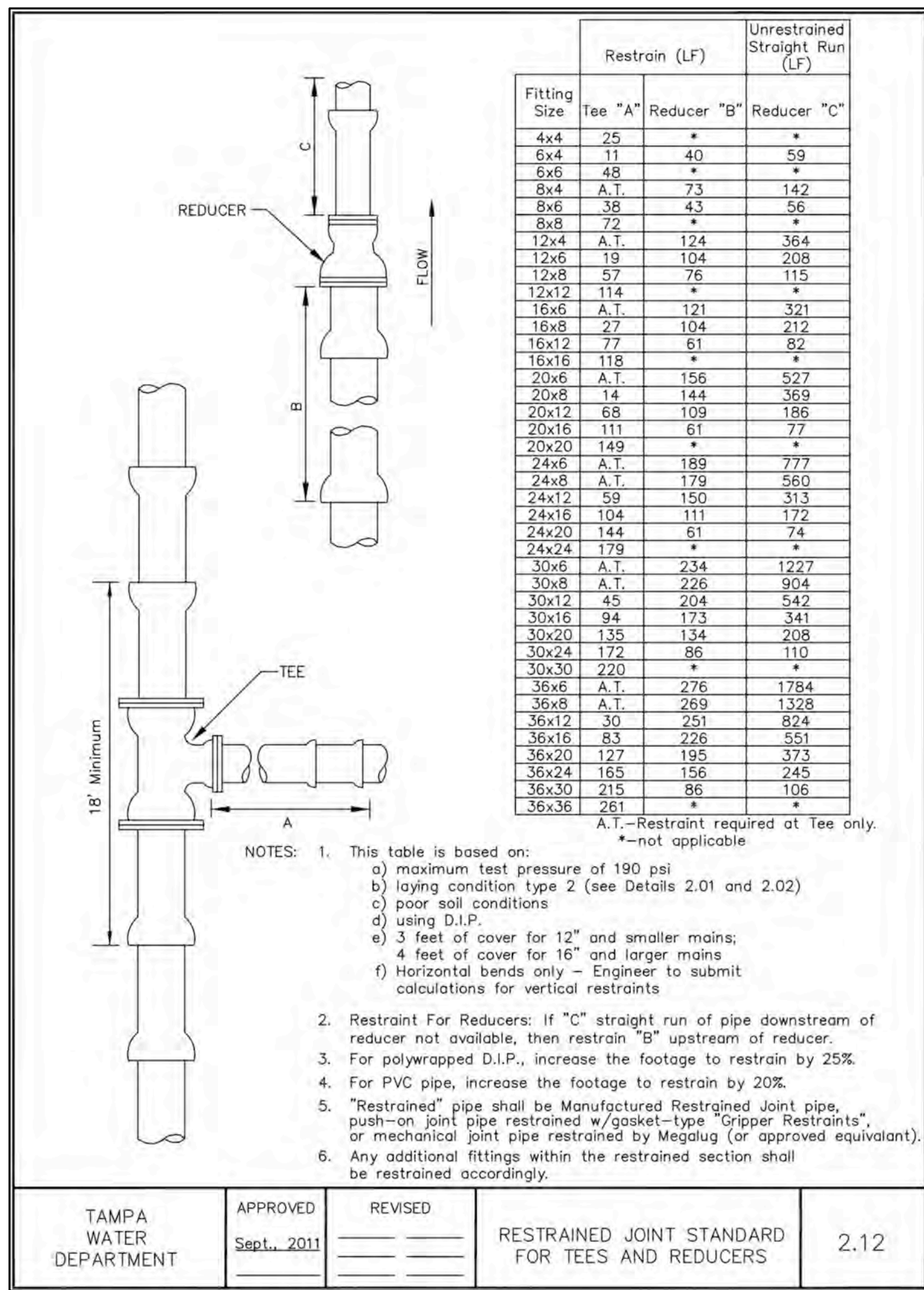
TAMPA WATER DEPARTMENT	APPROVED Sept. 2011	REVISED	TRENCHING, BEDDING AND BACKFILL DETAIL FOR PERVIOUS (NON-PAVED) AREAS	2.02
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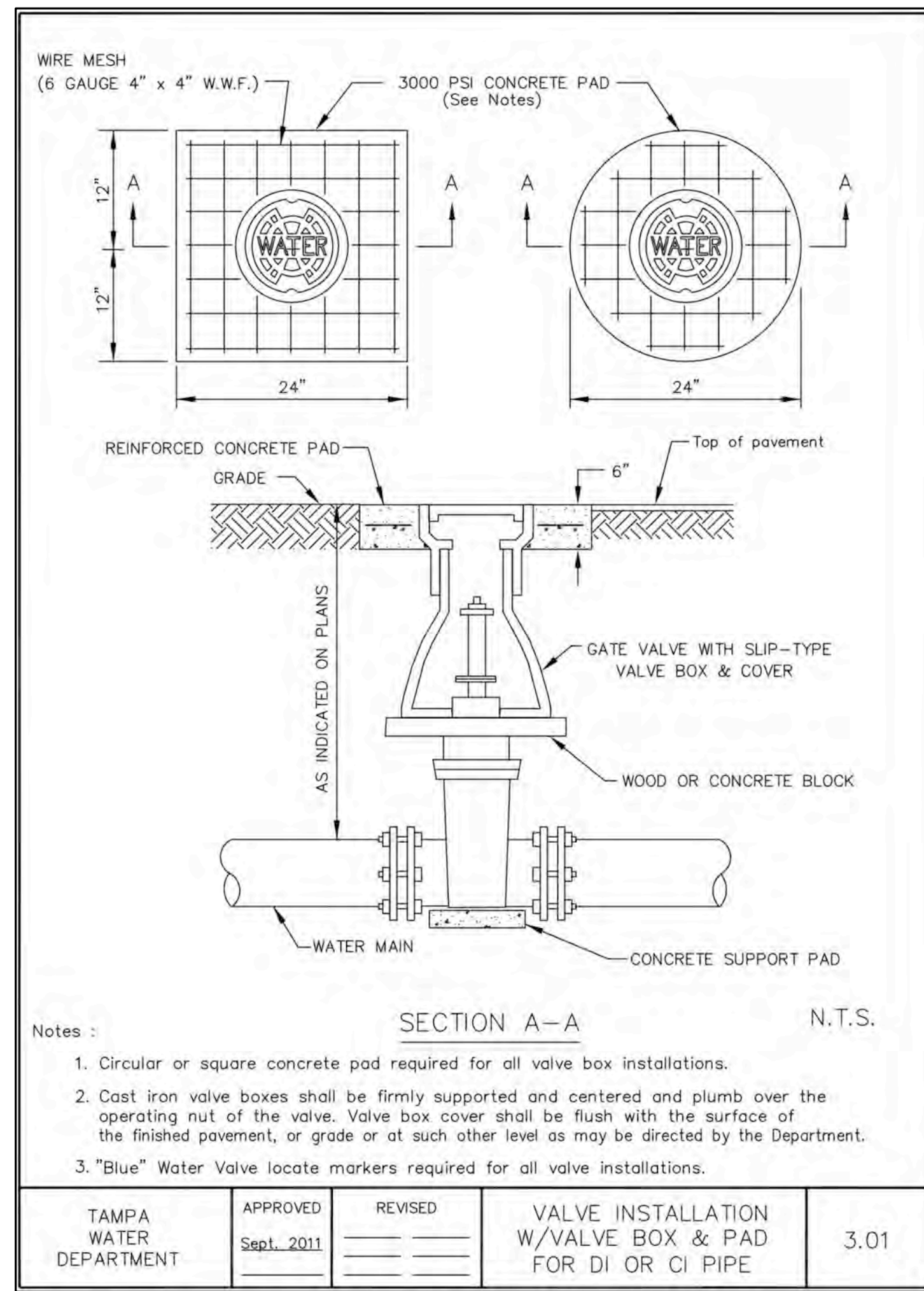
TAMPA WATER DEPARTMENT	APPROVED Sept. 2011	REVISED JRD 4/09 JRD 9/2011	POLYETHYLENE ENCASEMENT INSTALLATION DETAIL	2.05
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TAMPA WATER DEPARTMENT	APPROVED Sept. 2011	REVISED	RESTRAINED JOINT STANDARD FOR BENDS, PLUGS, AND CAPS	2.11
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TAMPA WATER DEPARTMENT	APPROVED Sept. 2011	REVISED	RESTRAINED JOINT STANDARD FOR TEES AND REDUCERS	2.12
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TAMPA WATER DEPARTMENT	APPROVED Sept. 2011	REVISED	VALVE INSTALLATION W/ VALVE BOX & PAD FOR DI OR CI PIPE	3.01
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WATER DETAILS

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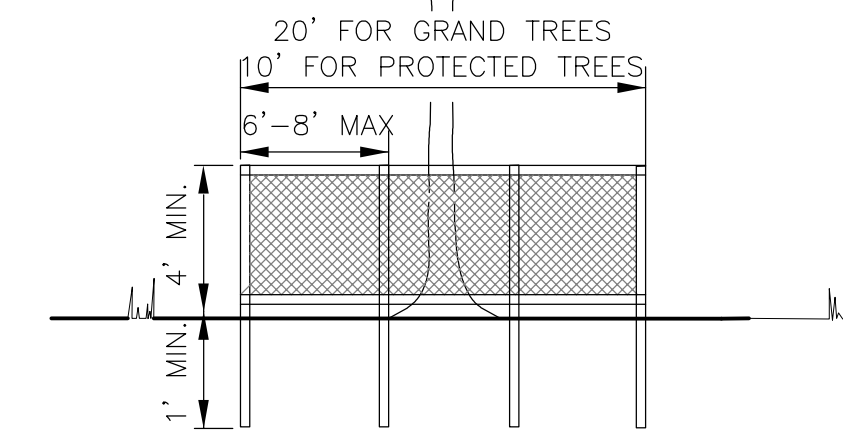
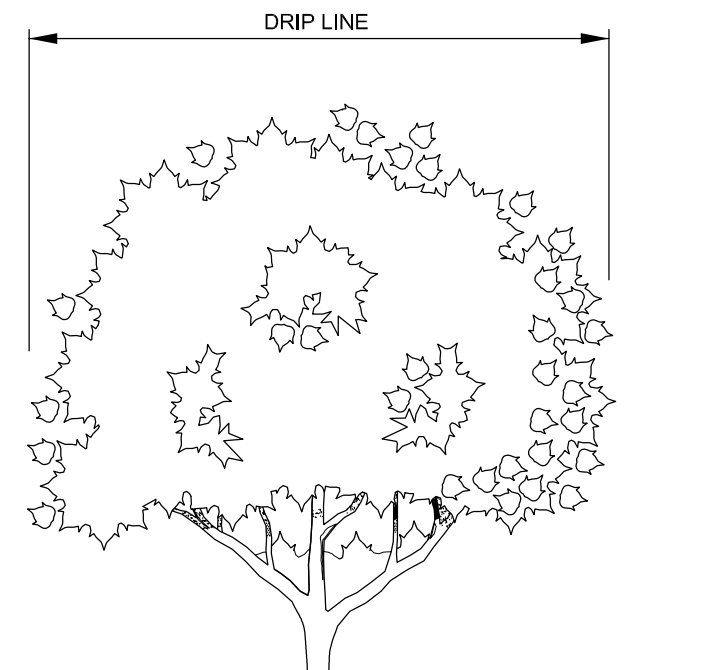
TREE PRESERVATION/PROTECTION/REMOVAL NOTES:

1. DESTRUCTION OR DISREGARD OF THE PROTECTIVE BARRICADES MAY REQUIRE THE FULL REPLACEMENT OF THE PROTECTED TREE.
2. NO EXCESS SOIL OR ADDITIONAL FILL, BUILDING MATERIALS, DEBRIS, OR LITTER SHALL BE PLACED WITHIN THE PROTECTIVE BARRIERS. ANY DEMOLITION WITHIN THE PROTECTIVE BARRIERS SHALL BE ACCOMPLISHED BY HAND OPERATED EQUIPMENT. UNDER NO CIRCUMSTANCES SHALL TRACTORS OR HEAVY MACHINERY BE ALLOWED TO WORK, PARK, OR LOCATE WITHIN BARRIER AREAS.
3. BEFORE GRADING, PAD PREPARATION, OR EXCAVATION FOR PARKING AREA, CURBS, SIDEWALKS OR DRIVEWAYS, THE ROOTS OF IMPACTED TREES SHALL BE PRUNED IN ACCORDANCE SOUND ARBORICULTURAL PRACTICES. ROOT PRUNING SHALL BE LOCATED ONE FOOT OUTSIDE THE TREE BARRIERS OR AS DETERMINED BY THE PLANS. ALL ROOT PRUNING SHALL BE COMPLETED IN ACCORDANCE WITH AN APPROVED ROOT PRUNING REPORT COMPLETED BY A CERTIFIED ARBORIST LICENSED IN THE CITY OF TAMPA.
4. ALL DAMAGED ROOTS SHALL BE EXPOSED TO SOUND TISSUE AND SEVERED CLEANING. ROOTS SHALL BE PRUNED TO A DEPTH OF 18 INCHES BELOW THE EXISTING GRADE OR TO THE DEPTH OF DISTURBANCE IF LESS THAN 18 INCHES FROM THE EXISTING GRADE.
5. TREAT ALL ROOT PRUNING TRENCHES WITH FUNGICIDE AS RECOMMENDED BY CONSULTING ARBORIST.
6. DO NOT ROOT PRUNE WITHIN THE ROOT PLATE OF ANY TREE. ROOT PLATE SHALL BE CALCULATED AS 6 TIMES THE TREE TRUNK DIAMETER AT 4.5 FEET ABOVE GRADE.

SEC. 13-164. CITY OF TAMPA TREE PROTECTION STANDARDS.

DEVELOPMENT ON PARCELS SHALL COMPLY WITH THE FOLLOWING TREE PROTECTION REQUIREMENTS:

1. PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL PROTECTED TREES AND GRAND TREES DURING SITE CLEARING TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL LAND ALTERATION, SITE CLEARING AND CONSTRUCTION ACTIVITIES ARE COMPLETE. BARRICADES FOR THE PROTECTIVE ROOT ZONE SHALL BE ERRECTED AT A MINIMUM DISTANCE OF TEN (10) FEET FROM THE EDGE OF TRUNK OF PROTECTED TREES AND TWENTY (20) FEET FROM THE EDGE OF TRUNK OF GRAND TREES.
2. A MINIMUM DISTANCE OF TEN (10) FEET FROM ALL PROTECTED TREES AND TWENTY (20) FEET FROM ALL GRAND TREES SHALL BE MAINTAINED WHEN INSTALLING UNDERGROUND UTILITIES. IF THIS RESULTS IN UNREASONABLE HARDSHIP, A SOIL AUGER SHALL BE USED TO TUNNEL UNDER THE ROOT SYSTEMS.
3. INSTALLATION OF ARTIFICIAL BARRIERS SUCH AS PROTECTIVE BARRICADES, FENCES, POSTS OR WALLS SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROJECTED TREES AND GRAND TREES. FOOTERS FOR WALLS SHALL END AT THE POINT WHERE LARGER ROOTS ARE ENCOUNTERED, AND THE ROOTS SHALL BE BRIDGED. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES OR GRAND TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
4. ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING PHASE SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE DESIGNATED PROTECTIVE ROOT ZONE.
5. A TWO-INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES AND GRAND TREES DURING THE SITE CLEARING PHASE.
6. A PROTECTIVE DRY WELL AND DRAINAGE/AERATION SYSTEM SHALL BE PROVIDED WHERE PROTECTED TREES OR GRAND TREES WILL BE ADVERSELY AFFECTED BY RAISING THE GRADE.
7. A PROTECTIVE RETAINING WALL SHALL BE CONSTRUCTED AT THE PERIMETER OF THE PROTECTIVE ROOT ZONE AROUND A PROTECTED TREE OR GRAND TREE WHERE THE PROTECTED TREE OR GRAND TREE WILL BE ADVERSELY AFFECTED BY LOWERING THE GRADE.
8. ALL TRIMMING OF PROTECTED TREES AND GRAND TREES DURING DEVELOPMENT SHALL BE DONE BY A QUALIFIED, LICENSED TREE SERVICE.

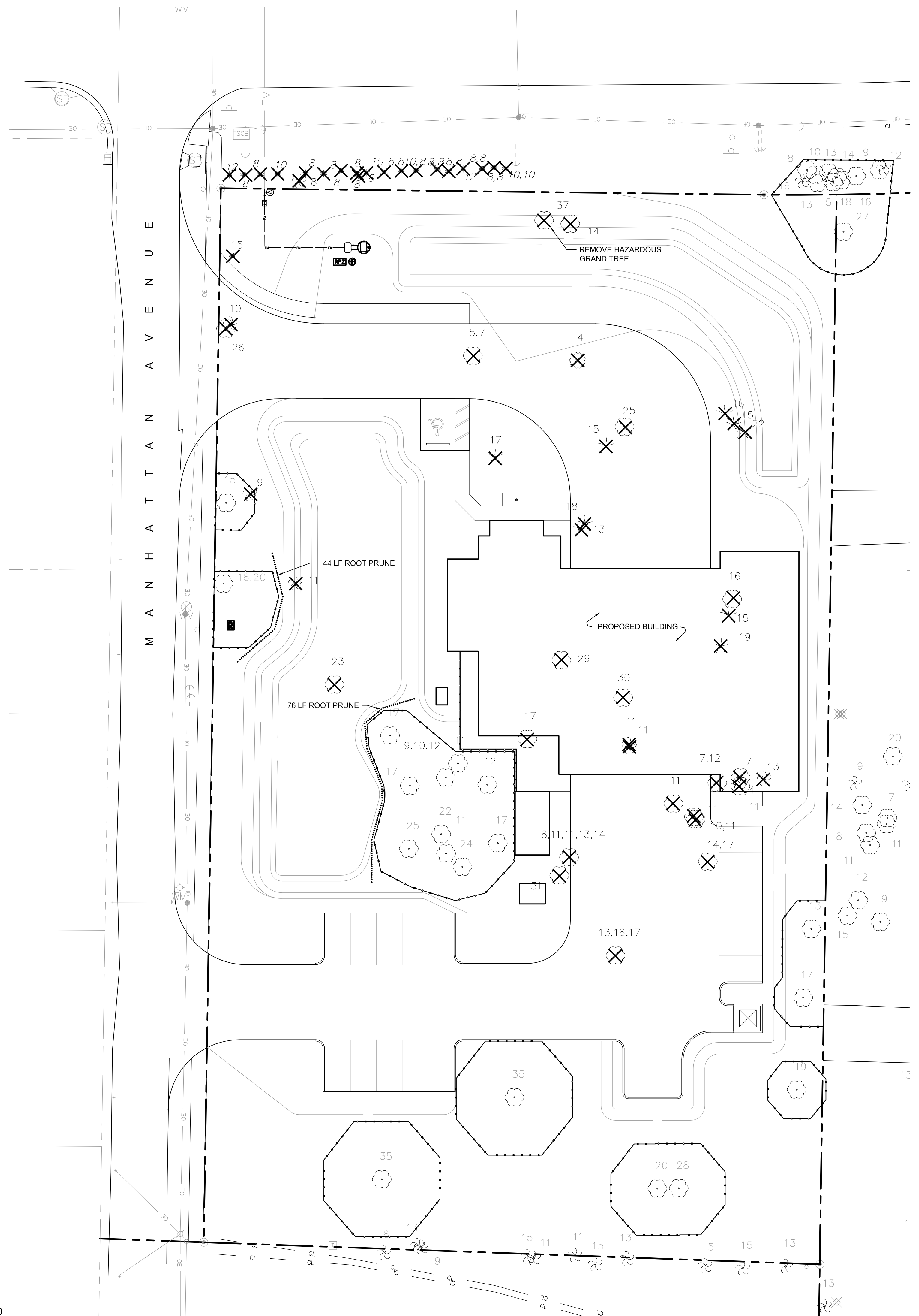
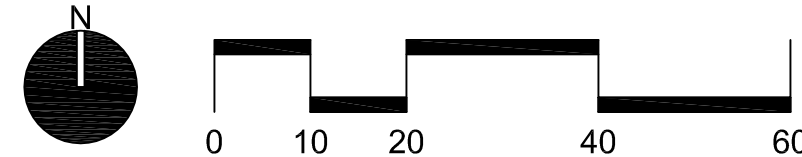
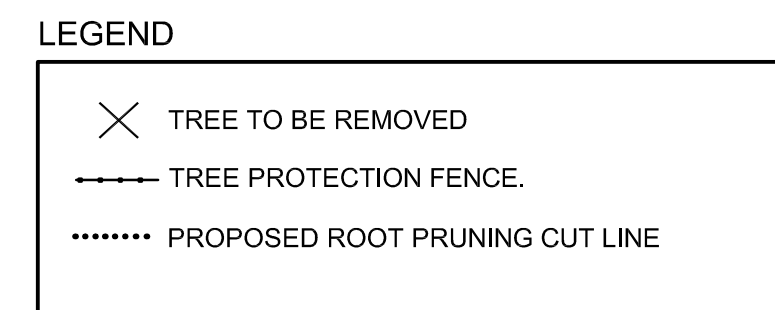


SPECIFICATIONS - CHAIN LINK FENCE

1. BARRIERS SHALL BE ERRECTED AROUND ALL PROTECTED TREES AND PALMS, AND INSPECTED BY CITY REPRESENTATIVE BEFORE CONSTRUCTION BEGINS.
2. CHAIN LINK PANELS AND HARDWARE SHALL BE VINYL COATED BLACK



NTS



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CITY OF TAMPA
 FIRE STATION #19
 LANDSCAPE PLANS

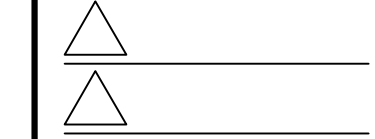
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REVISIONS



CONSTRUCTION DOCUMENTS

SEAL

SHEET NUMBER
 LA-002 TREE
 PRESERVATION,
 PROTECTION AND
 REMOVAL PLAN
 1 OF 5

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
ILE CA4	9	Ilex cassine	Dahoon Holly	#30	2.5"Cal	8 - 10' Ht	
PIN EX2	8	Pinus elliotti	Slash Pine	B & B	2.5"Cal	8 - 10' Ht x 4' Sp	
QUE VX6	4	Quercus virginiana	Southern Live Oak	B & B	6"Cal	16 - 18' Ht	RPG 6' CT
SAB PAL	35	Sabal palmetto	Cabbage Palm	Regen. Root	N/A	8' - 16' Hts	Straight Trunk, No boots, Stagger hts, Regenerated Root
TAX DX2	21	Taxodium distichum	Bald Cypress	B & B	2.5"Cal	8 - 10' Ht x 4' Sp	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	REMARKS	
CRI AQ4	25	Crinum asiaticum 'Queen Emma'	Queen Emma Crinum Lily	#15	48" Ht x 36" Sp		
NER OP2	34	Nerium oleander 'Petite Salmon'	Petite Salmon Oleander Shrub	#3	24" Ht x 24" Sp		
SER RC3	59	Serenoa repens Cinerea	Silver Saw Palmetto	#7	24" Ht x 24" Sp	Full	
VIB OM2	197	Viburnum obovatum 'Mrs. Shillers Delight'	Walter's Viburnum 'Mrs. Shillers Delight'	#3	15" Ht x 15" Sp		
VIB SU2	44	Viburnum suspensum	Sandankwa viburnum	#3	18" Ht x 18" Sp		
ZAM PU2	66	Zamia pumila	Coontie	#3	15" Ht x 15" Sp		
ZAM PU3	30	Zamia pumila	Coontie	#7	24" Ht x 24" Sp		
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	REMARKS	
ALP ZV2	45	Alpinia zerumbet 'Variegata'	Variegated Shell Ginger	#3@36" oc	30"Ht x 20"W	Full	
MUH CA1	621	Muhlenbergia capillaris	Pink Muhly	#1@36" oc	15" Ht x 10" Sp		
SPA BA1	34	Spartina bakeri	Sand Cord Grass	#1@42" oc	18" Ht x 10" Sp		
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	REMARKS	
ARA GLA	3,892 sf	Arachis glabrata 'Eco Turf'	Perennial Peanut	sod			
DIE VE1	231	Dietes vegeta	White African Iris	#1@24" oc	15" Ht x 10" Sp		
DRY ER1	1,375	Dryopteris erythrosora	Autumn Fern	4" liner@18" oc	6"Ht x 8"Sp		
PAS NOA	16,433 sf	Paspalum notatum 'Argentine'	Argentine Bahiagrass	sod			

SITE CALCULATIONS

PROJECT SITE AREA:	1.8 AC - 78,791 SF
BUILDING AREA:	8,666 SF
SITE PARKING AND VUA:	18,520 SF

CITY OF TAMPA CHAPTER 13 REQUIREMENTS

MINIMUM TREE REQUIREMENT FOR VEHICULAR USE AREAS PER CHAPTER 13-161
 18,520 SF / 1,500 SF = 12 TREES
 1 TREE (2" CALIPER MIN) PER 40 LF OF V.U.A. FRONTAGE
 358 LF / 40 LF = 9 TREES
 TOTAL OF CHAPTER 13 TREES REQUIRED: 21
 TOTAL OF CHAPTER 13 TREES PROVIDED: 21
 % OF SHADE TREES REQUIRED: 50%
 % OF SHADE TREES PROVIDED: 50%*
 % OF NATIVE TREES REQUIRED: 60%
 % OF NATIVE TREES PROVIDED: 100%

MINIMUM LANDSCAPE AREAS REQUIREMENT FOR VEHICULAR USE AREAS PER CHAPTER 13-161
 20% OF VUA SHALL BE GREEN SPACE
 18,520 SF X .2 = 3,704 SF
 TOTAL AREA REQUIRED: 3,704 SF
 TOTAL AREA PROVIDED: 6,235 SF

CITY OF TAMPA CHAPTER 27 REQUIREMENTS

MINIMUM TREE REQUIREMENT FOR BUFFERS AND SCREENING PER CHAPTER 27-130
 1 EVERGREEN TREE (#30 MIN) PER 20 LF OF BUFFER
 177 LF / 20 LF = 9 EVERGREEN TREES
 TOTAL OF CHAPTER 27 TREES REQUIRED: 9
 TOTAL OF CHAPTER 27 TREES PROVIDED: 9

TREE TABLES FOR CREDIT AND DEBIT

Diameter (Inches)	# Retained on Site	Multipier for Credit	Credit
5"-7"	0	0	0
8"-12"	0	-1	-5
13"-19"	7	-2	-16
20"-29"	7	-4	-28
30" or more	2	-10	-20
All Palms	3	-1	-3
Total	19		-72*

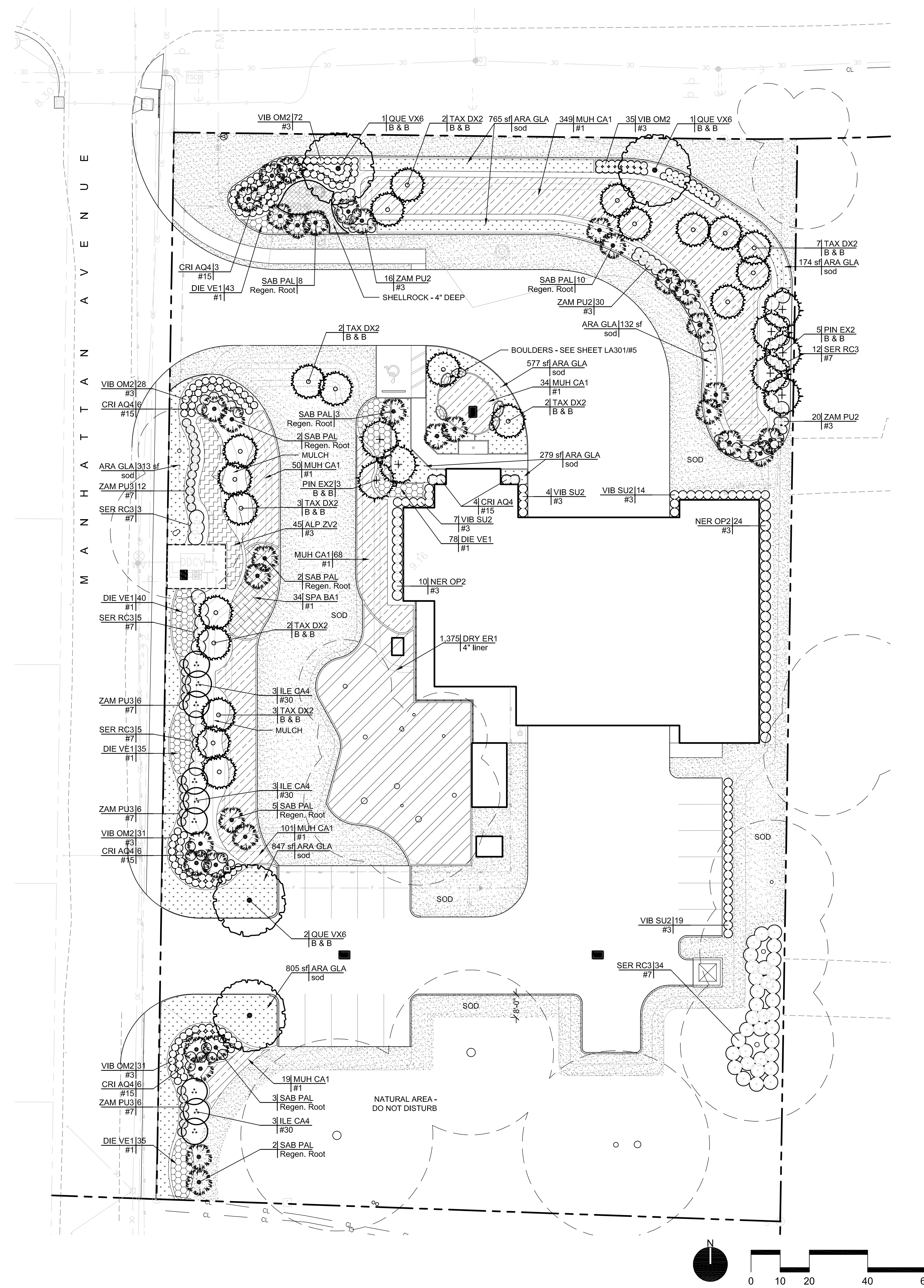
*negative indicates subtraction from total required trees

Diameter (Inches)	# Removed on Site	Multipier for Debit	Debit
5"-7"	0	0	0
8"-12"	11	1	24
13"-19"	18	2	32
20"-29"	5	4	20
30" or more	2(1/2-31)	Inch per inch/2	31
All Palms	8	1	8
Total	44		115

SUMMARY OF REQUIREMENTS

	Required Number of 2" Trees
Total Ch.13-161 Trees Required	21
Total Ch.27-130 Trees Required	9
Debit for hazardous grand tree removal (1 tree)*	4
Debit for trees removed	115
Subtotal Debit	149
Credit for trees to be retained on site	-72
TOTAL TREES REQUIRED TO BE PLANTED	73
TOTAL TREES PROVIDED	73

*Replacement Requirement for Hazardous Grand Tree Removed by Owner. City of Tampa Planning and Development, Planning Division requires that (4)2" caliper trees to be planted per hazardous grand tree removed.



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CITY OF TAMPA
 FIRE STATION #19
 LANDSCAPE PLANS

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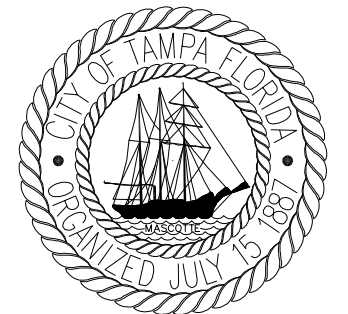
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CONSTRUCTION DOCUMENTS

SEAL

SHEET NUMBER
 L-300
 PLANTING PLANS

2 OF 5



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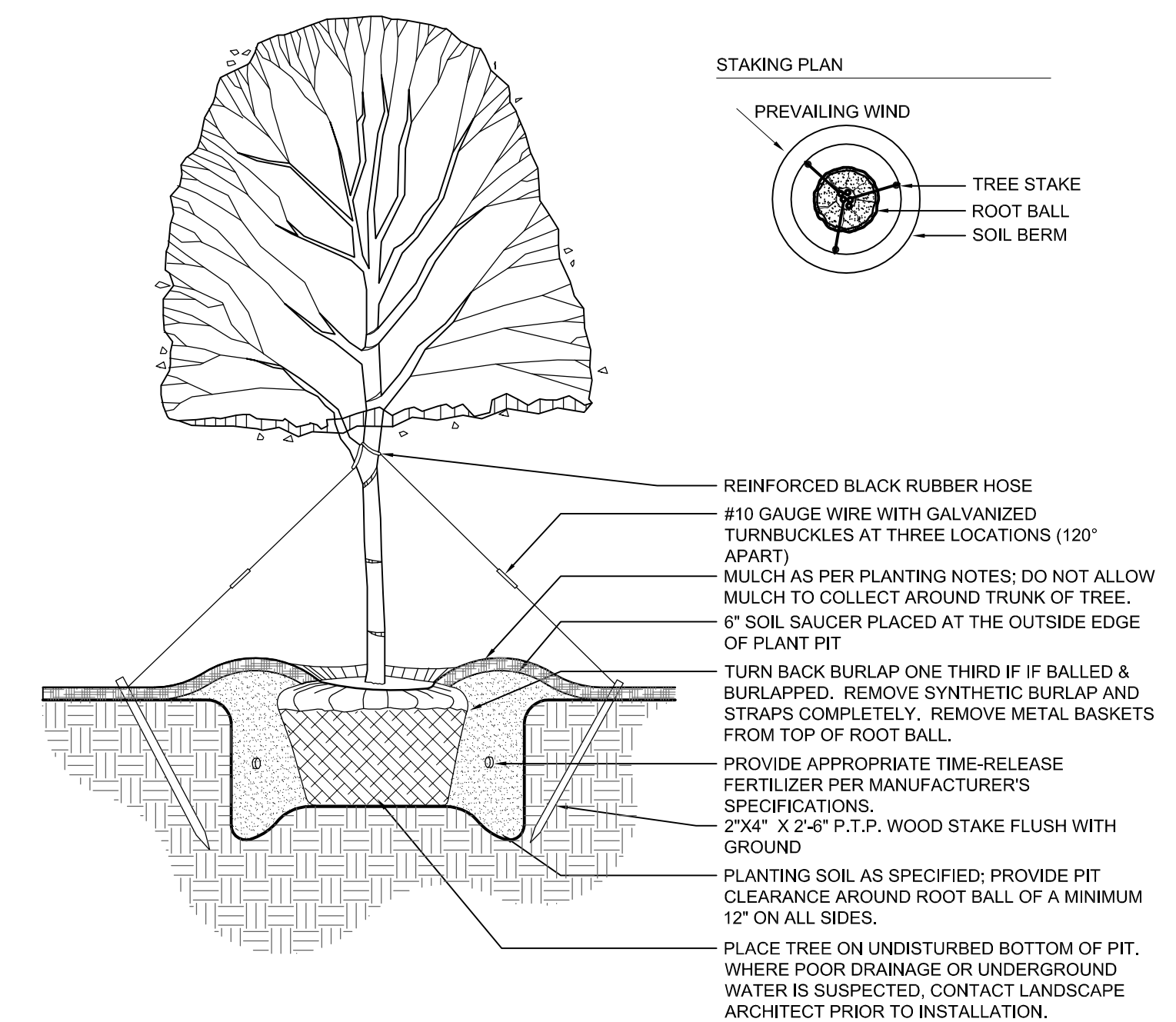
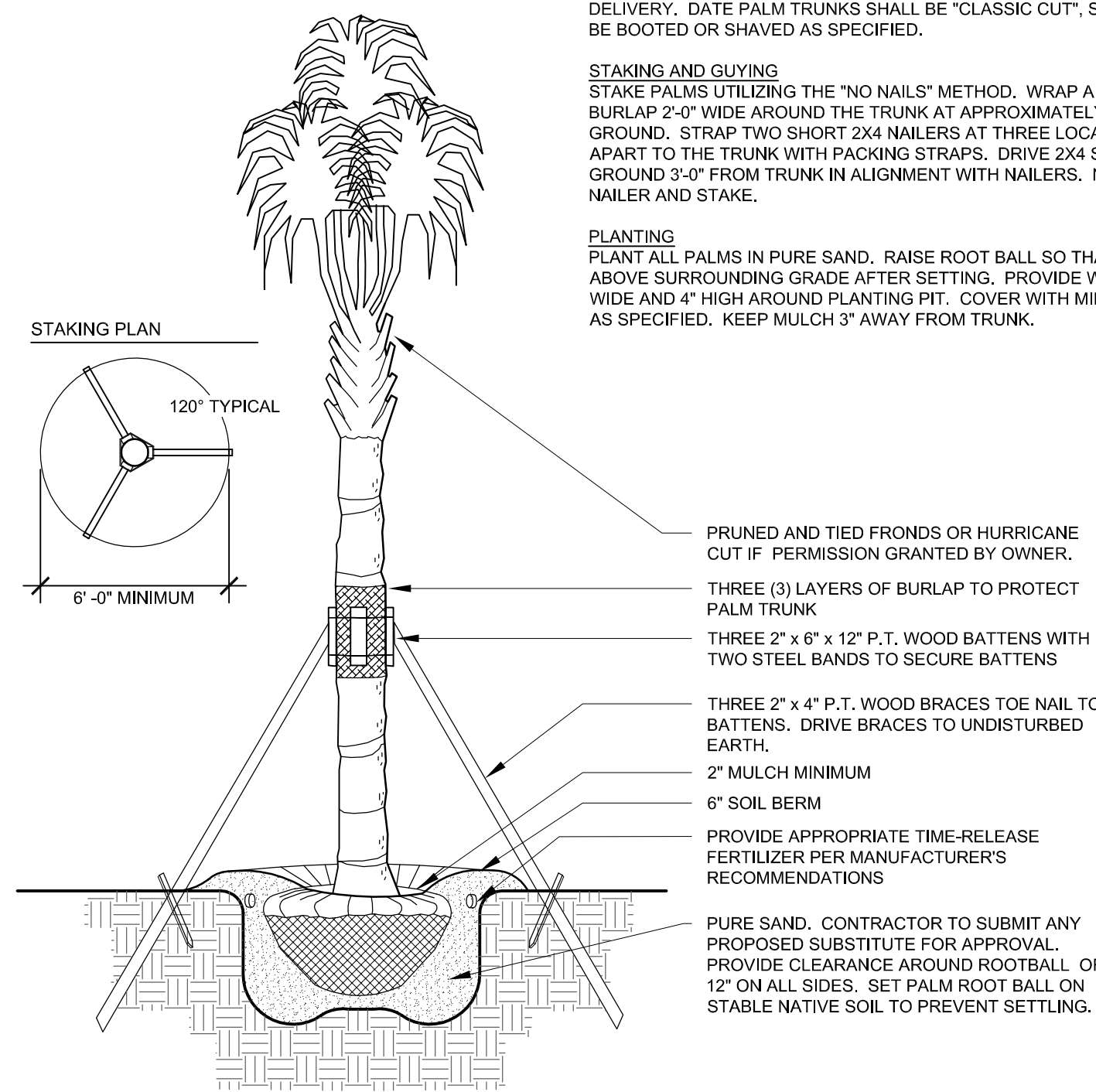
LA- 301
LANDSCAPE NOTES
AND DETAILS

3 OF 5

CROWN AND TRUNK
PALM FRONDS SHALL BE TIED UP UNTIL AFTER PLANTING. TIES SHALL BE REMOVED AFTER PLANTING AS FOLLOWS: DATE PALM, ONE WEEK; WASHINGTON PALM, IMMEDIATELY; QUEEN PALM, IMMEDIATELY; SABAL PALMS WHICH ARE NOT "HURRICANE CUT" SHALL REMAIN TIED FOR SIX MONTHS. REMOVE ALL DEAD OR BROKEN FRONDS, NEVER CUT BUD. ALL TRUNKS SHALL BE PREPARED PRIOR TO DELIVERY. DATE PALM TRUNKS SHALL BE "CLASSIC CUT", SABAL PALMS SHALL BE BOOTED OR SHAVED AS SPECIFIED.

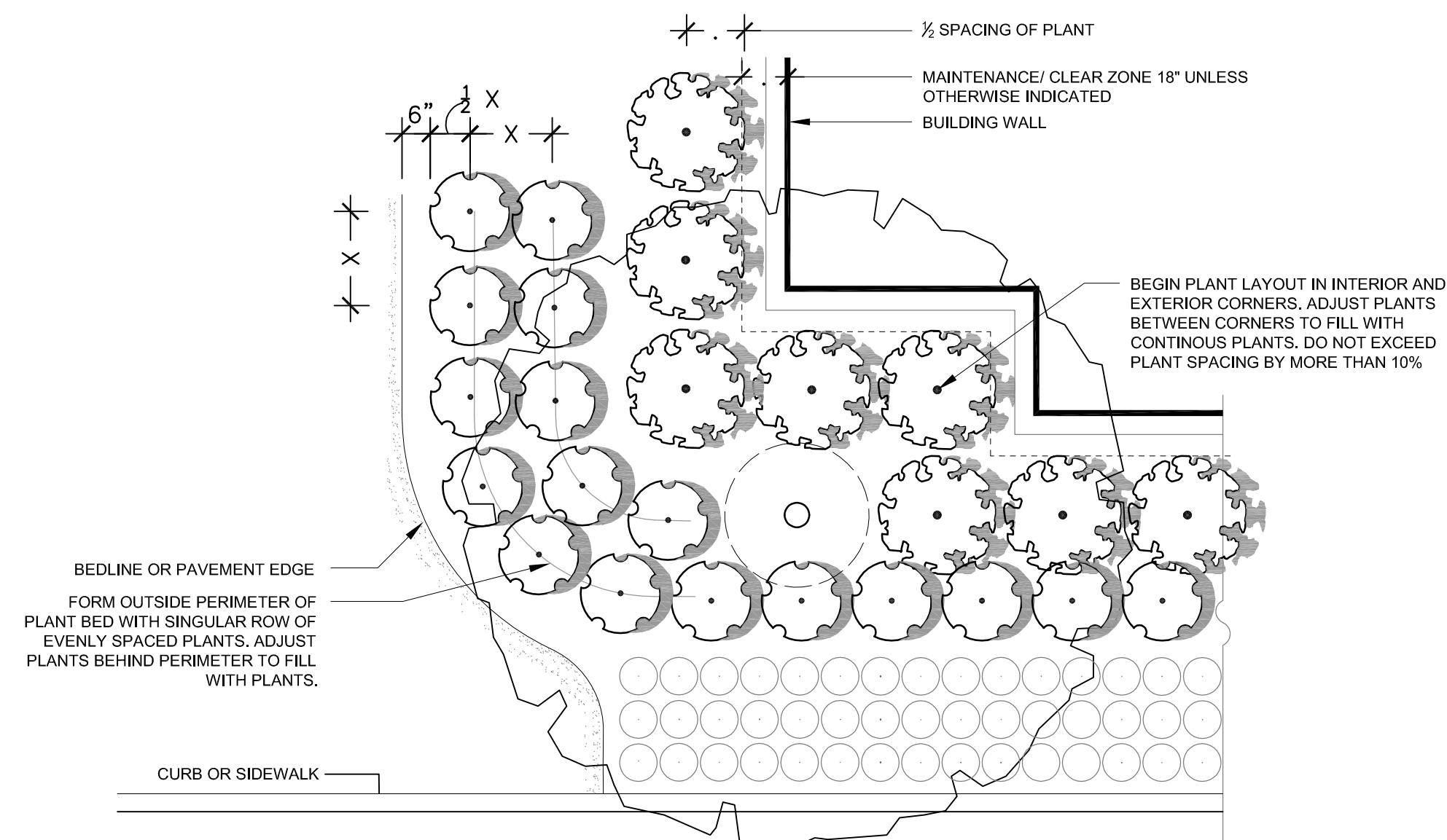
STAKING AND GUYING
STAKE PALMS UTILIZING THE "NO NAILS" METHOD. WRAP A TRIPLE LAYER OF BURLAP 2'-0" WIDE AROUND THE TRUNK AT APPROXIMATELY 4'-0" ABOVE THE GROUND. STRAP TWO SHORT 2X4 NAILERS AT THREE LOCATIONS 120 DEGREES APART TO THE TRUNK WITH PACKING STRAPS. DRIVE 2X4 STAKE 3'-0" INTO GROUND 3'-0" FROM TRUNK IN ALIGNMENT WITH NAILERS. NAIL 2X4 BRACES TO NAILER AND STAKE.

PLANTING
PLANT ALL PALMS IN PURE SAND. RAISE ROOT BALL SO THAT IT WILL BE 2" ABOVE SURROUNDING GRADE AFTER SETTING. PROVIDE WATERING RING 8" WIDE AND 4" HIGH AROUND PLANTING PIT. COVER WITH MINIMUM 2" MULCH, OR AS SPECIFIED. KEEP MULCH 3" AWAY FROM TRUNK.



1 SHRUB AND GROUNDCOVER LAYOUT AT FOUNDATION

1/2" = 1'-0"



2 PALM PLANTING DETAIL

NTS

3 TREE PLANTING DETAIL

NTS

GENERAL LANDSCAPE NOTES:

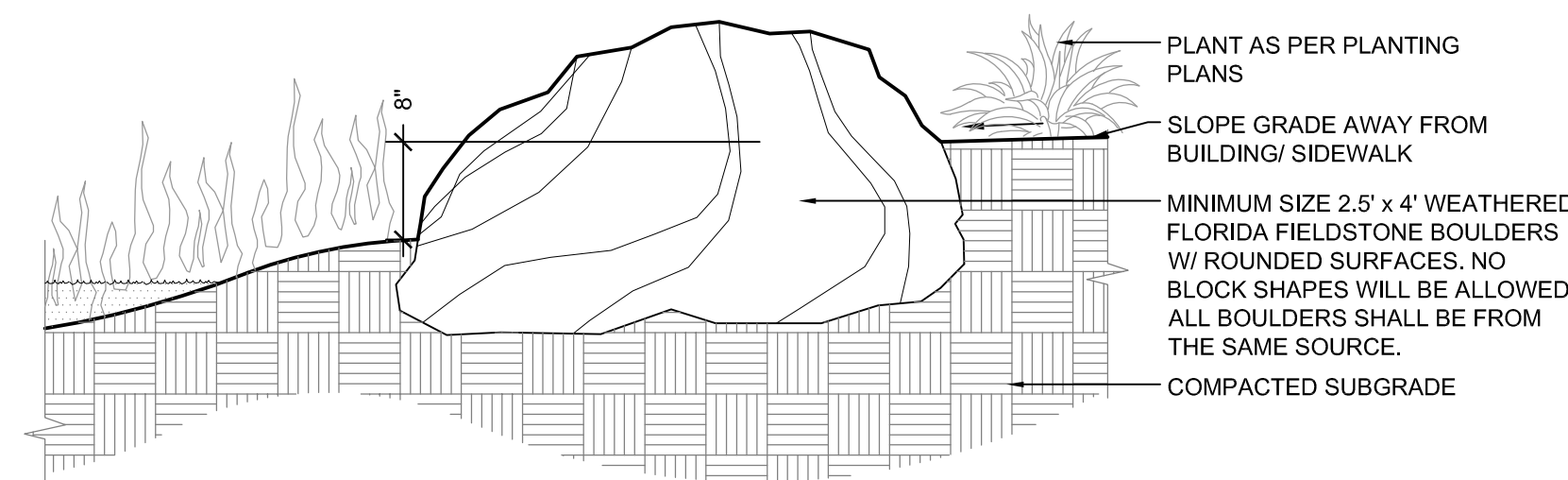
1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, IN "FULL", ALL LANDSCAPE PLANTING AREAS AFTER RECEIPT OF WRITTEN ACCEPTANCE BY THE OWNER. "IN FULL" MEANS WATERING, WEEDING, PEST CONTROL, MULCHING, MOWING AND FERTILIZING. MAINTENANCE PERIOD SHALL BE 90 DAYS.
2. THE CONTRACTOR SHALL PROVIDE A ONE YEAR WRITTEN GUARANTEE FOR ALL INSTALLED PLANT MATERIAL.
3. THE CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL PLANT MATERIAL AND PLANTING BED LINES FOR REVIEW BY THE OWNERS REPRESENTATIVE PRIOR TO START OF ANY PLANTING.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL WRITTEN PLANT QUANTITIES PRIOR TO INITIATION OF THE WORK. IN THE EVENT THAT THE PLANS CONTRADICT THE PLANT LIST, THE PLANS RULE.
5. THE CONTRACTOR SHALL BE FAMILIAR WITH AND ACCEPT THE EXISTING SITE CONDITIONS PRIOR TO INITIATION OF THE WORK. ANY VARIATION FROM THE EXISTING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. DRAINAGE STRUCTURES, CURBS, SIDEWALKS AND ANY OTHER OBJECTS WHICH MIGHT BE DAMAGED DURING THE WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ANY AND ALL NECESSARY REPAIRS TO DAMAGE CAUSED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER OR LANDSCAPE ARCHITECT.
8. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER SUBCONTRACTORS ON THE PROJECT. THE CONTRACTOR SHALL NOT PROCEED WITH PLANT INSTALLATION PRIOR TO THE INSTALLATION AND OPERATION OF THE LANDSCAPE IRRIGATION SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO PLANT MATERIAL CAUSED BY INSUFFICIENT WATER.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL PREPARATION OF PLANTING BEDS FROM FINISH GRADE. PREPARATION SHALL INCLUDE APPLICATION OF PRE-EMERGENT HERBICIDES, LOOSENING SOIL TO A DEPTH OF 8", AND INCORPORATION OF PROPER SOIL AMENDMENTS INCLUDING PLANTING MIX, FERTILIZERS, AND pH ADJUSTERS AS RECOMMENDED BY SOILS TEST.
10. THE CONTRACTOR SHALL TEST THE EXISTING SOILS FOR SOIL COMPOSITION, ORGANIC CONTENT AND SOIL pH. SOIL TEST SHALL SERVE AS THE BASIS FOR CONTRACTOR RECOMMENDED SOIL AMENDMENTS. PROVIDE PROPOSAL FOR SOIL AMENDMENTS AS RECOMMENDED IN SOIL TEST. PROVIDE LANDSCAPE ARCHITECT A COPY OF SOIL TEST WITH LOCATION, DATE, AND LABORATORY CLEARLY LABELED.

LANDSCAPE PLANTING NOTES:

1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL FREE OF PESTS AND DISEASE.
2. ALL PLANTS SHALL BE FLORIDA NO. 1 OR BETTER, AS GRADED IN FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS.
3. ALL PLANTS ARE SUBJECT TO APPROVAL BY THE OWNERS REPRESENTATIVE, BEFORE, DURING AND AFTER INSTALLATION AS PER SPECIFICATIONS.
4. ALL SINGLE-TRUNKED TREES SHALL BE STRAIGHT TRUNKED WITH ONE CENTRAL LEADER AND FULLY CROWNED.
5. STAKE AND GUY TREES AS SHOWN IN PLANTING DETAILS WHEN TREE IS SUSCEPTIBLE TO SHIFTING SOILS OR HIGH WIND CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR INSURING THAT TREES ARE STABLE AND DO NOT REPRESENT A HAZARD TO THE PUBLIC. GUYS TO BE REMOVED AFTER ONE COMPLETE GROWING SEASON.
6. ALL MULCH PLANTING AREAS SHALL BE A MINIMUM OF 3" MINI PINE BARK NUGGETS.
7. ALL PLANTING AREAS SHALL HAVE A MINIMUM 12" OF NON COMPACTED NATIVE SOIL INCORPORATED INTO TOPSOIL. REMOVE SOIL DAMAGED WITH BUILDING CONSTRUCTION DEBRIS WITHIN 12" OF THE FINISH GRADE IN PLANTING AREAS PRIOR TO FINAL GRADING. LAWN AREAS SHALL HAVE A MIN OF 3" TOPSOIL ROTO-TILLED INTO TOP 8" OF CLEAN FILL.
8. ALL TREES SHALL BE FREE OF OPEN WOUNDS AND WOUND SCARS IN THE CLEAR TRUNK AREA.
9. SYNTHETIC BURLAP MUST BE TOTALLY REMOVED PRIOR TO INSTALLATION OF PLANT MATERIAL. IF NATURAL BURLAP IS USED, IT MAY BE TURNED DOWN 1/3 OF THE ROOTBALL. WIRE BASKETS AND STRAPS SHALL BE REMOVED FROM THE TOP OF THE ROOTBALL.
10. ALL SHADE TREES SHALL HAVE A MIN. OF 7' CLEAR TRUNK OVER SIDEWALKS (UNLESS OTHERWISE NOTED).
11. CONTRACTOR SHALL NOT DEVIATE FROM PLANT SCHEDULE SPECIFICATIONS FOR PLANT MATERIAL.

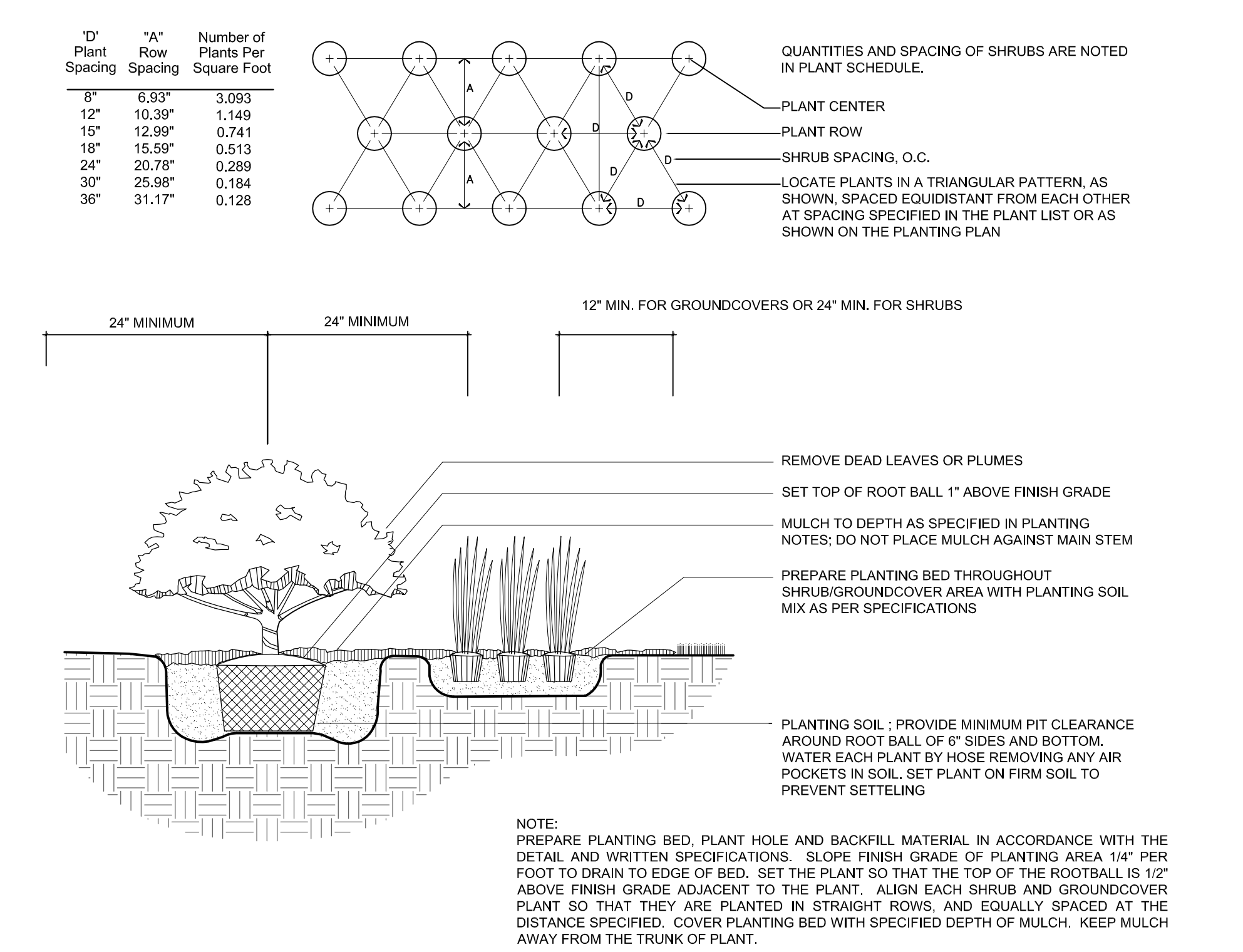
5 BOULDER DETAIL

3/4" = 1'

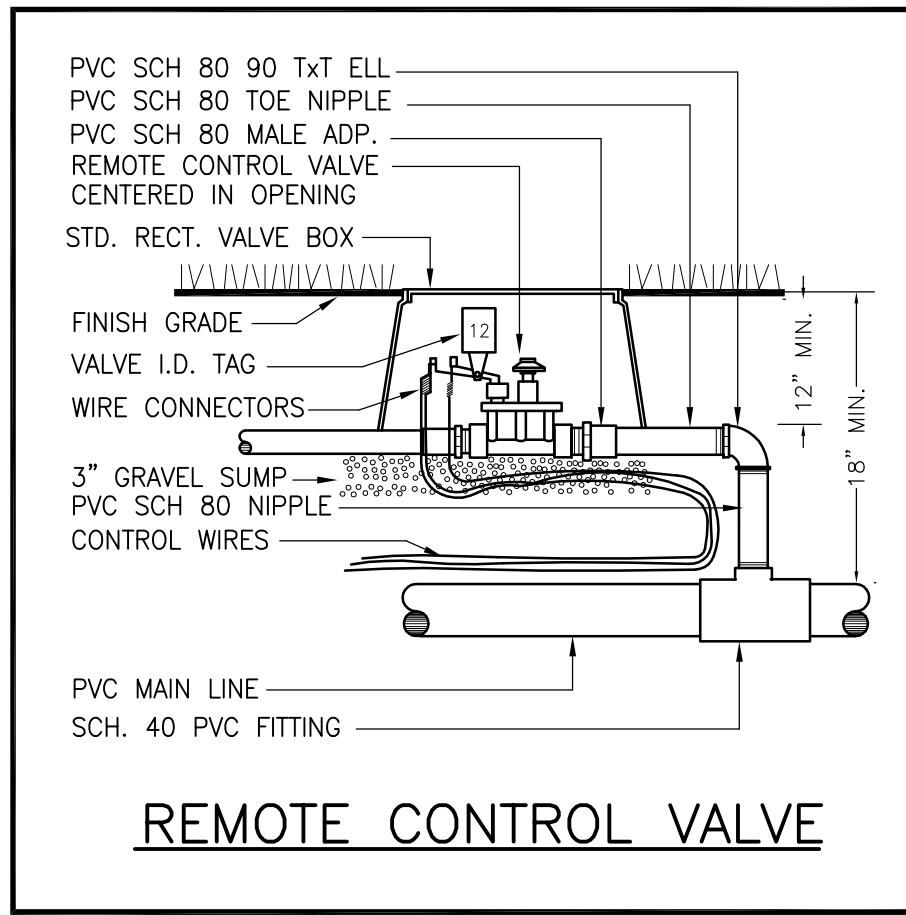


4 SHRUB AND GROUNDCOVER SPACING

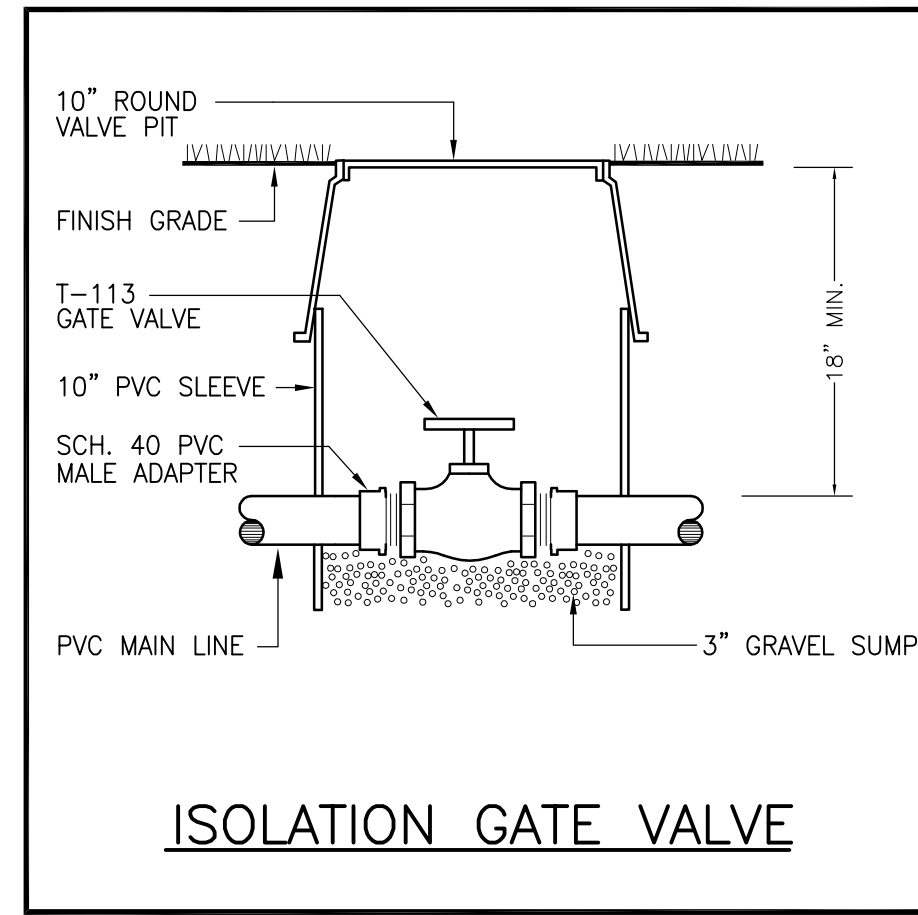
NTS



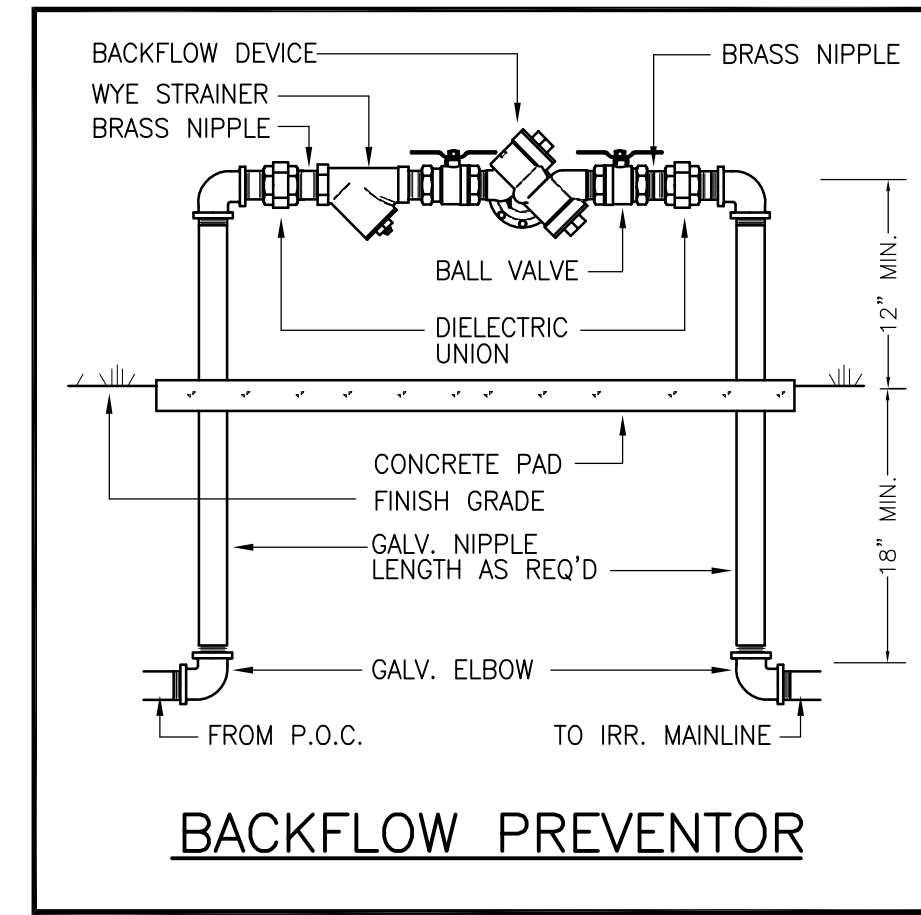
NOTE:
PREPARE PLANTING BED, PLANT HOLE AND BACKFILL MATERIAL IN ACCORDANCE WITH THE DETAIL AND WRITTEN SPECIFICATIONS. SLOPE FINISH GRADE OF PLANTING AREA 1/4" PER FOOT TO DRAIN TO EDGE OF BED. SET THE PLANT SO THAT THE TOP OF THE ROOTBALL IS 1/2" ABOVE FINISH GRADE ADJACENT TO THE PLANT. ALIGN EACH SHRUB AND GROUNDCOVER PLANT SO THAT THEY ARE PLANTED IN STRAIGHT ROWS, AND EQUALLY SPACED AT THE DISTANCE SPECIFIED. COVER PLANTING BED WITH SPECIFIED DEPTH OF MULCH. KEEP MULCH AWAY FROM THE TRUNK OF PLANT.



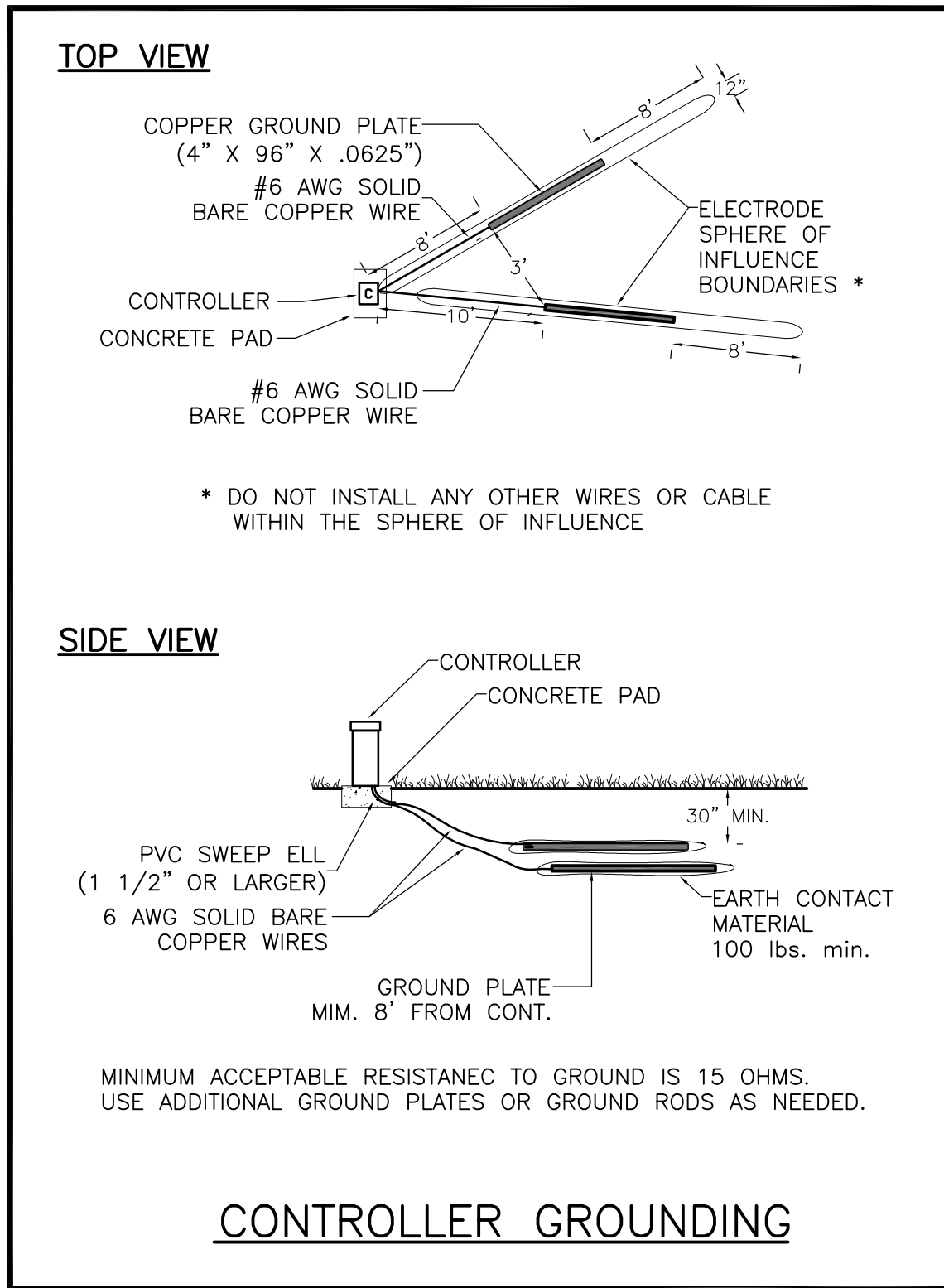
REMOTE CONTROL VALVE



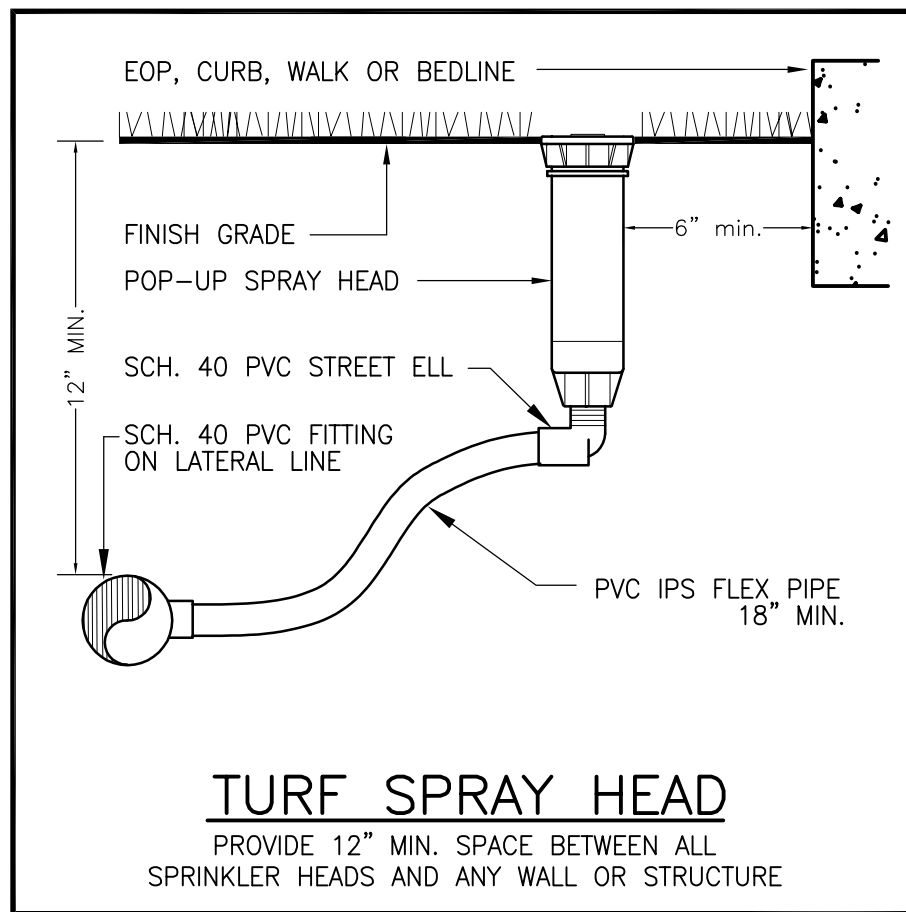
ISOLATION GATE VALVE



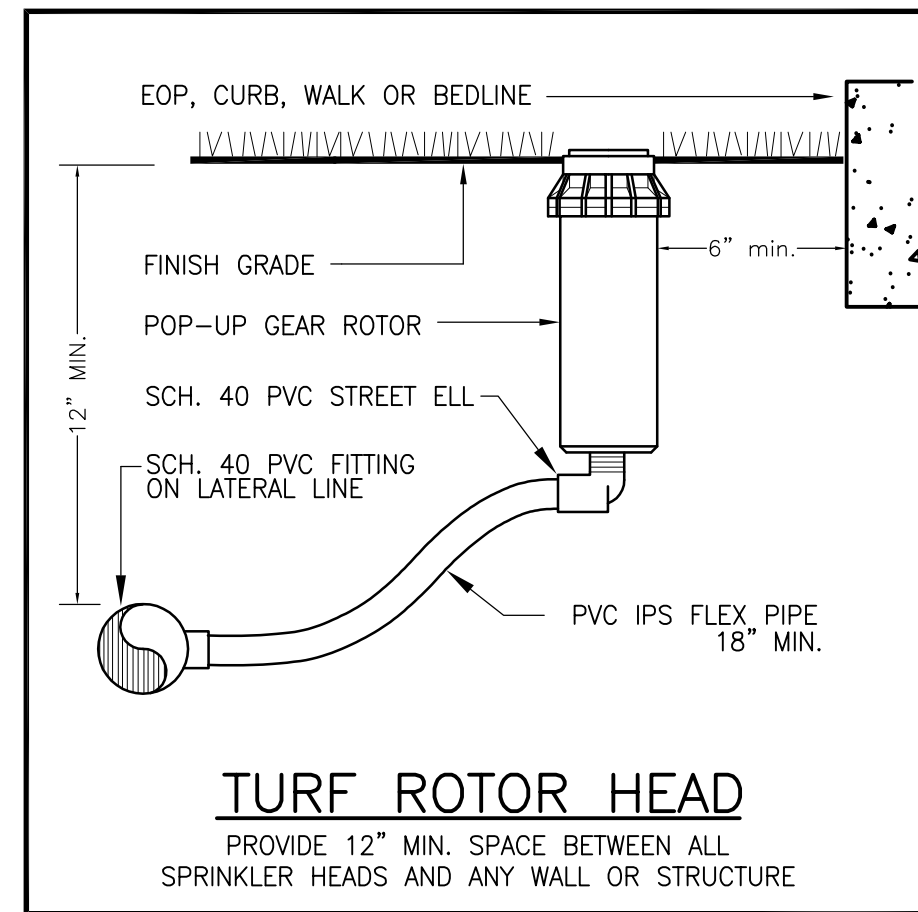
BACKFLOW PREVENTOR



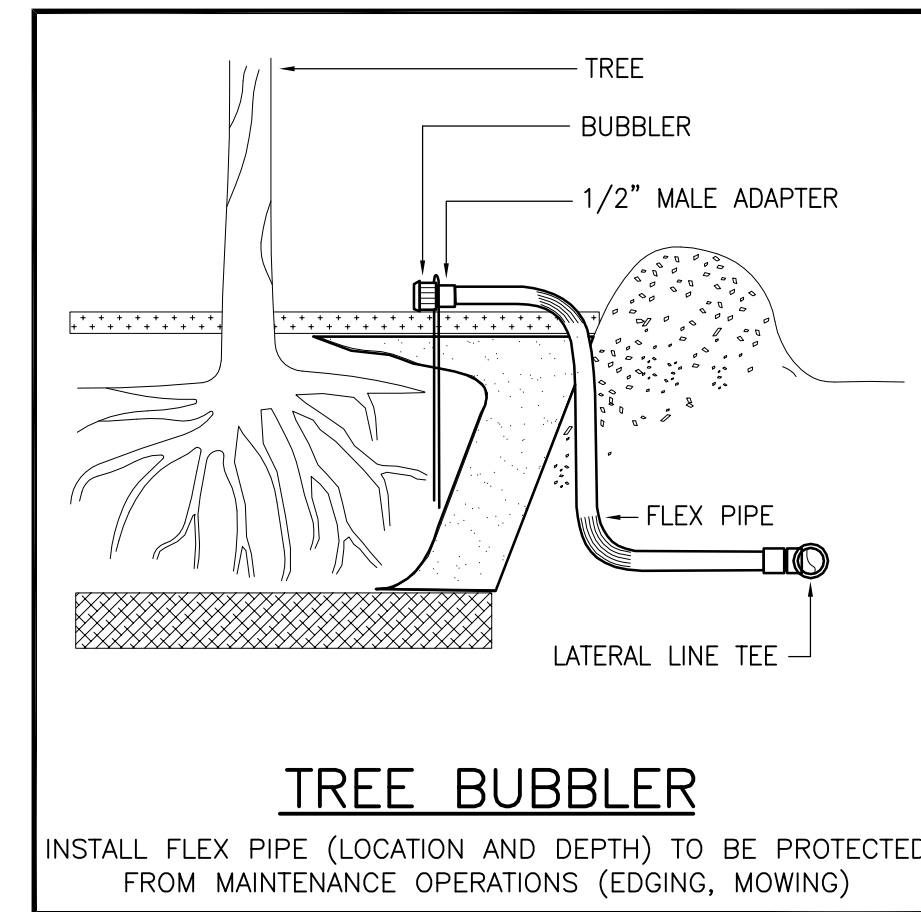
CONTROLLER GROUNDING



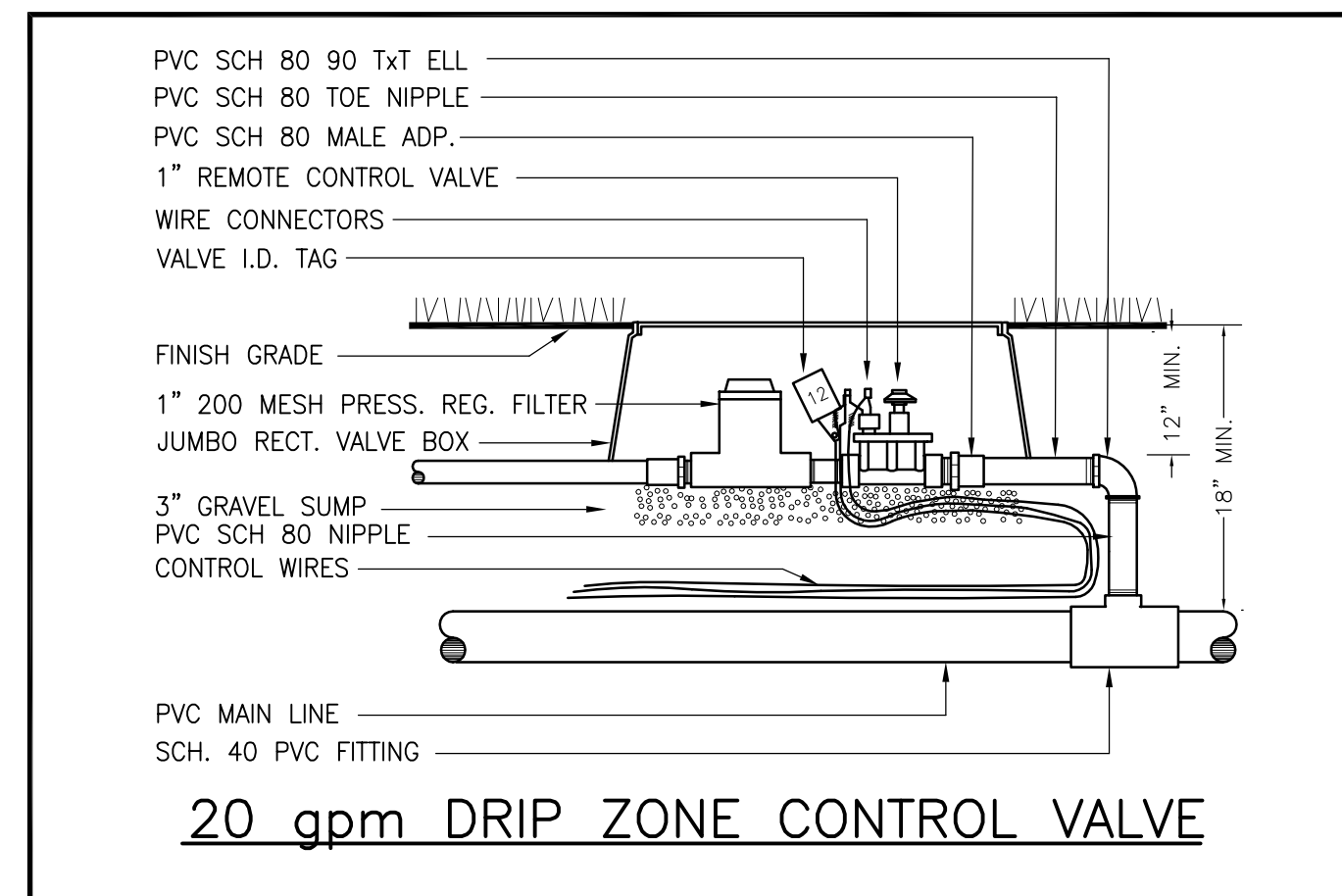
TURF SPRAY HEAD



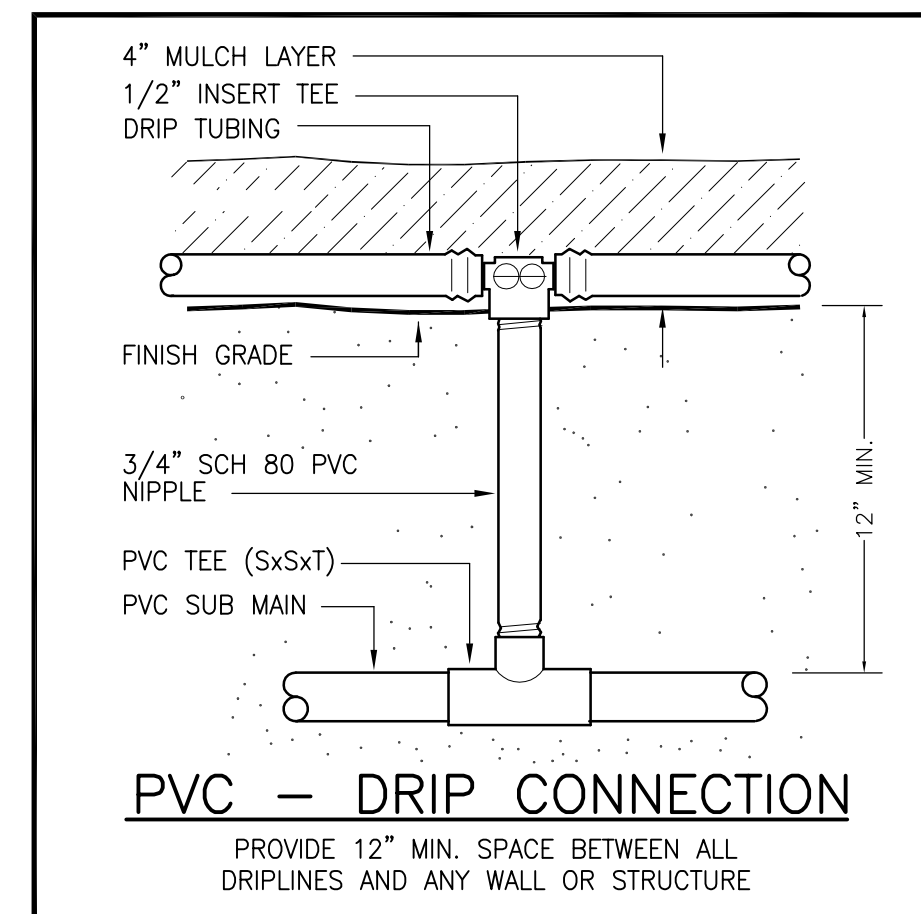
TURF ROTOR HEAD



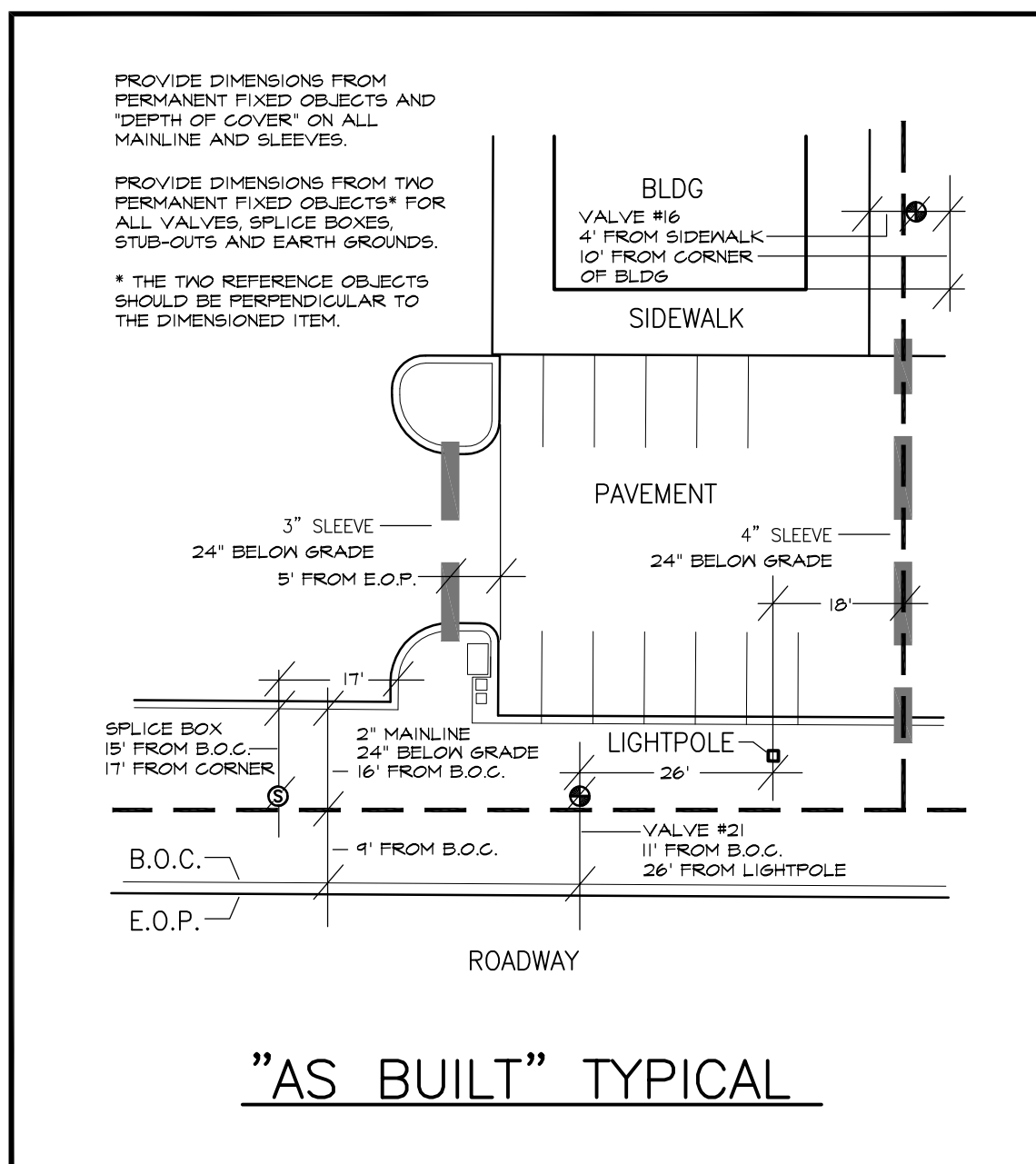
TREE BUBBLER



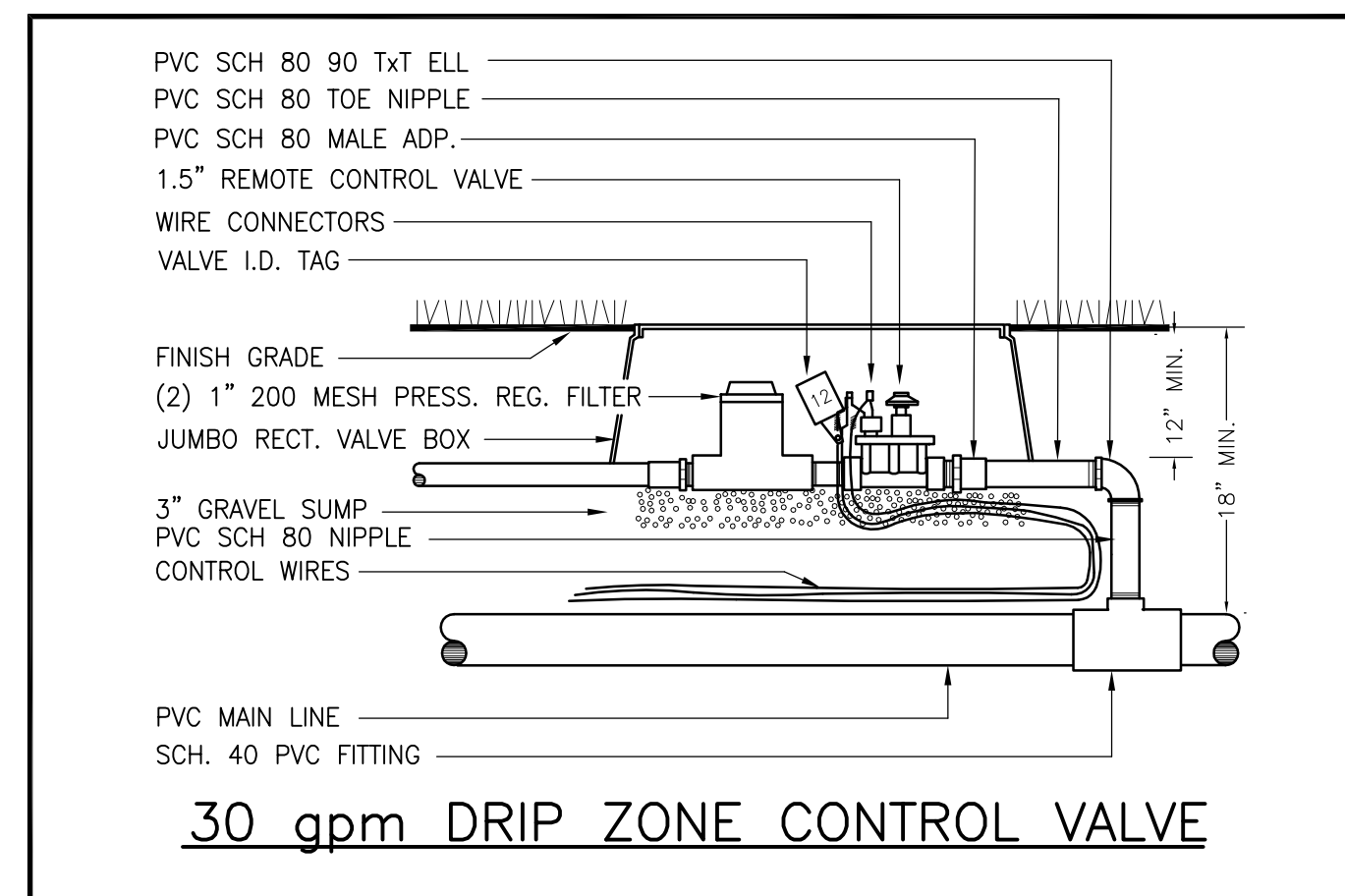
20 gpm DRIP ZONE CONTROL VALVE



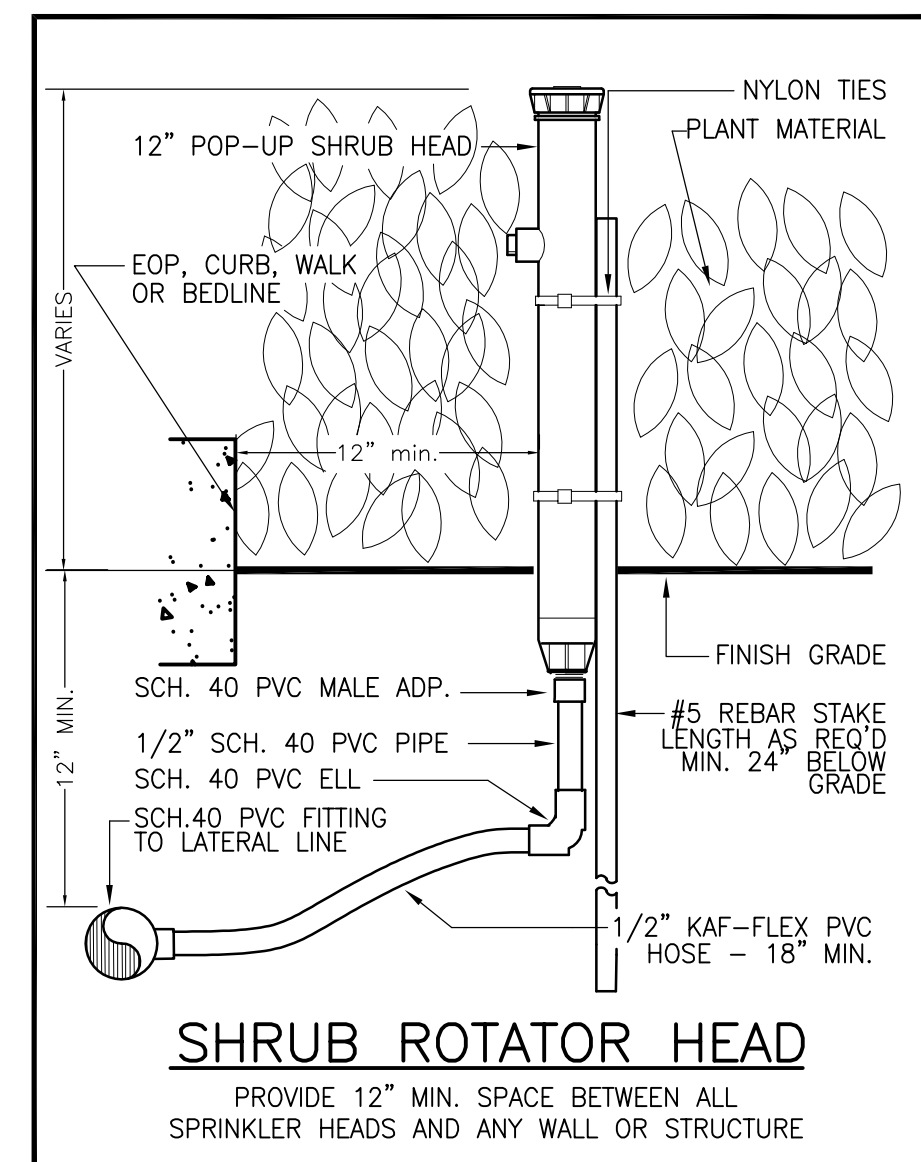
PVC - DRIP CONNECTION



"AS BUILT" TYPICAL



30 gpm DRIP ZONE CONTROL VALVE



SHRUB ROTATOR HEAD

IRRIGATION NOTES:

1. Irrigation system design requirements: 28 GPM @ a minimum of 60 PSI at the point of connection. The Irrigation Contractor shall verify the available GPM and PSI prior to installation of the system.
2. Do not willfully install the irrigation system as shown on the drawings when it is obvious in the field that conditions exist that might not have been considered in the design process. For example: obstructions, grade differences, water levels, dimensional differences, etc. Refer to the Landscape Plan to avoid conflicts with proposed trees or shrubs.
3. Piping may sometimes be indicated as being located in unlikely areas; i.e., under buildings or pavement, outside of property lines, in lakes or ditches, etc. This is done for graphic clarity only. Whenever possible, piping is to be installed in open, green areas.
4. If required, the Irrigation Contractor shall provide the necessary "Right of Way" use permits.
5. Pipe sizes shall conform to those on the drawings. Substituting with smaller pipe sizes will not be permitted.
6. Mainline is to be installed with a minimum of 18" depth of cover. Lateral lines are to be installed with a minimum of 12" depth of cover.
7. Unless otherwise indicated, all sleeves are to be PVC Sch 40 and two (2) nominal sizes larger than the pipe to be sleeved. For example: The sleeve for a 2" pipe shall be 3". No irrigation sleeve shall be smaller than 2".
8. Wherever practical, install valves in mulched beds and/or out of high traffic areas. All valves, flush valves and wire splices shall be installed in Rain Bird wide flanged, structural foam "plastic" valves boxes as follows:

Remote Control Valves	#VB-STD, 12" std. rect. box
Isolation Gate Valves	#VB-1ORND, 10" round box
Wire Splices	#VB-1ORND, 10" round box
Dnp Zone Valve / Filter Assy	#VB-SPR, Super Jumbo Rect. box
9. Refer to Valve Designation Symbols for controller, station number and designed flow rate for each remote control valve.
10. All 24 volt control cable to be UL Listed, single strand, type UF 600 Volt control cable. Size and color as follows:

Common Wires	- size AWG #14 or larger and WHITE in color.
Hot Wires	- size AWG #16 or larger and RED in color.
Spare Wires	- size AWG #16 or larger and BLUE in color.
11. All splices to the 24 volt control wiring shall be made with Rain Bird #DBTWC 24-600 volt, direct bury splice kits.
12. All control valve wires shall be bundled and taped together at 20' intervals and placed along the side of the mainline pipe.
13. All pop-up sprinkler heads shall be installed level and flush to grade. Mount all sprinklers on flexible connections as follows:

1/2" inlet spray heads	18" of Heavy Wall PVC IPS Hose
3/4" inlet rotor heads	18" of Heavy Wall PVC IPS Hose
14. The tops of all shrub sprinklers shall be installed 12" above the height of the surrounding plant material. For plant heights of 12" or more, support the riser with a #5 rebar stake and nylon cable ties. All risers shall be placed a minimum of 12" from any sidewalk, edge of pavement or structure.
15. Location of all sprinkler heads shall be site adjusted to minimize water overthrow onto building surfaces and walkways. Throttle valves on spray zones as required to prevent fogging.
16. Install dnp tubing at grade and cover with mulch. Typical spacing for dnp tubing is 18" to 24" on center. Spacing to be determined by plant layout. Refer to Landscape Plan. Anchor tubing every 7' with 8" long wire tubing stakes. Install flush valve assemblies at all tubing "dead ends".
17. Exact controller location(s) shall be coordinated with an Owner's Representative prior to installation. Unless otherwise stated, the General Contractor shall provide 110 volt power to the controller location(s). The Irrigation Contractor is responsible for the connection from the power source to the controller(s).
18. At each irrigation controller, install a "secondary surge arrester" to the incoming (120 volt) power supply (Intermatic #AG2401 or equal).
19. At each irrigation controller, install an "supplementary earth ground gnd" with a minimum of two (2) 4" x 96" grounding plates. Test the resistance to earth per NIFPA Standard #780. A acceptable earth ground should have 15 ohms or less resistance. Use more plates or grounding rods as needed to achieve the desired resistance reading.
20. A weather based sensor with interface shall be connected to the irrigation controller. The sensor/ interface shall adjust the irrigation program based on daily weather readings. The sensor shall be installed to meet local codes and/or minimum manufacturer's recommendations. Obstructions, vandalism and ease of service shall be considered in locating the device.
21. The IRRIGATION CONTRACTOR shall prepare an AS-BUILT drawing on reproducible paper detailing the actual installation of the irrigation system. The AS-BUILT drawings shall locate all main line piping, control wires, wire splices, sleeves and valves by showing exact measurements from permanent features (buildings, edge of pavement, power poles, fire hydrants, etc.). Include depth of cover on mainline and sleeves.
22. No product substitutions will be permitted without the written permission of the Owner's Representative. Irrigation Contractor to provide submittals to the Owner's Representative for approval prior to installation.
23. Any other equipment required that is not otherwise detailed or specified shall be installed as per manufacturer's recommendations and local code.



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LA-401
 IRRIGATION NOTES
 AND DETAILS

5 OF 5

GENERAL STRUCTURAL NOTES

SCOPE OF WORK

1. WORK DETAILED ON THE DRAWINGS AND APPLICABLE ITEMS DESCRIBED IN THE GENERAL STRUCTURAL NOTES.

DRAWINGS AND SPECIFICATIONS

1. DO NOT SCALE DRAWINGS FOR DIMENSIONS NOT GIVEN.
2. ADVISE ENGINEER OF DIMENSIONAL DISCREPANCIES.
3. VERIFY ALL EXISTING FIELD CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION.
4. THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK AT ANY TIME WITHOUT CONTRACT DOCUMENTS OR, WHERE REQUIRED, APPROVED SHOP DRAWINGS, PRODUCT DATA OR SAMPLES FOR SUCH PORTION OF THE WORK.

CONSTRUCTION SAFETY

1. THESE DRAWINGS DO NOT INCLUDE PROVISIONS TO SATISFY SAFETY REQUIREMENTS. CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING SAFETY DURING CONSTRUCTION AND FOR CONFORMANCE TO ALL APPLICABLE OSHA STANDARDS AND OTHER APPLICABLE CODES. JOBSITE VISITS BY ENGINEER SHALL NOT CONSTITUTE APPROVAL, AWARENESS OR LIABILITY FOR ANY HAZARDOUS CONDITIONS.

SHORING AND SUPPORT

1. WHEN REMOVAL OF STRUCTURAL ELEMENTS FOR MODIFICATIONS MAY CAUSE TEMPORARY WEAKNESS, EXCESSIVE DEFLECTIONS OR STRUCTURAL INSTABILITY, SHORING OR OTHER SUITABLE SUPPORTS SHALL BE PROVIDED UNTIL COMPLETION AND ADEQUATE CURING OF MODIFICATIONS.

VALUE ENGINEERING

1. ANY CHANGES TO THE STRUCTURE OR DESIGN SHALL HAVE BEEN REVIEWED AND APPROVED IN WRITING BY THE ENGINEER PRIOR TO COMMENCING WORK ON ITEMS AFFECTED.

FIELD MODIFICATIONS

1. ANY CHANGES TO THE STRUCTURE SHALL HAVE BEEN REVIEWED AND APPROVED IN WRITING BY THE ENGINEER PRIOR TO COMMENCING WORK ON ITEMS AFFECTED.
2. ANY CHANGES MADE WITHOUT PRIOR APPROVAL ARE SUBJECT TO REVIEW BY THE ENGINEER. CONTRACTOR SHALL PROVIDE SKETCHES, PHOTOGRAPHS AND WRITTEN DESCRIPTION OF EACH DEVIATION FROM THE PLANS FOR THE ENGINEER'S REVIEW.

BUILDING CODES AND SPECIFICATIONS

1. FLORIDA BUILDING CODE 2010.
2. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES ASCE 7-10.
3. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES ACI 530-05 / ASCE 5-05 / TMS 402-05.
4. NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION ANSI / TPI 1 - 2002.
5. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 318-08.

DESIGN LOADS

1. DEAD LOADS
 - A. TABLE C3-1: MINIMUM DESIGN LOADS, ASCE 7-10
2. LIVE LOADS
 - A. ROOF20 PSF
 - B. FLOOR/SIDEWALK.....100PSF
3. WIND LOAD
 - A. DESIGN WIND SPEED151 MPH (3 SECOND GUST)
 - B. EXPOSURE CATEGORYC
 - C. ASCE 7 BUILDING RISK CATEGORYIV
 - D. ENCLOSED BUILDING
4. COMPONENTS AND CLADDING
 - A. SPECIALTY ENGINEER DESIGNING THE COMPONENTS AND CLADDING SHOULD DETERMINE THE TRIBUTARY AREA FOR SUCH COMPONENTS AND CLADDING AND USE THE TABLE FOR THE AREA EQUAL TO OR SMALLER THAN THE ACTUAL TRIBUTARY AREA.
 - B. COMPONENTS AND CLADDING SUB-CONTRACTOR SHALL PROVIDE SIGNED AND SEALED DRAWINGS AND CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. DOCUMENTATION SHALL INCLUDE THE DESIGN OF THE COMPONENTS AND CLADDING, AND CONNECTIONS TO THE MAIN STRUCTURE.

5. ROOF COMPONENTS AND CLADDING, PITCHED ROOF AREA (7<0≤27°)									
PRESSURE									
EFFECTIVE WIND AREA (SQ. FT.)	EXTERNAL PRESSURE COEFFICIENT G _{CP}			INTERNAL PRESSURE COEFFICIENT G _{CPi}	P (psf)				
	ZONE 1 FIELD	ZONE 2 EDGE	ZONE 3 CORNER		ZONE 1 FIELD	ZONE 2 EDGE	ZONE 3 CORNER		
< 10	0.5	0.5	0.5	0.18	30.36	30.36	30.36		
20	0.45	0.45	0.45	0.18	28.13	28.13	28.13		
50	0.4	0.4	0.4	0.18	25.90	25.90	25.90		
100 <	0.3	0.3	0.3	0.18	21.43	21.43	21.43		
SUCTION									
EFFECTIVE WIND AREA (SQ. FT.)	EXTERNAL PRESSURE COEFFICIENT G _{CP}			INTERNAL PRESSURE COEFFICIENT G _{CPi}	P (psf)				
	ZONE 1 FIELD	ZONE 2 EDGE	ZONE 3 CORNER		ZONE 1 FIELD	ZONE 2 EDGE	ZONE 3 CORNER		
< 10	-0.9	-1.7	-2.6	-0.18	-48.23	-83.95	-124.14		
20	-0.85	-1.55	-2.4	-0.18	-45.99	-77.25	-115.21		
50	-0.82	-1.35	-2.2	-0.18	-44.65	-68.32	-106.28		
100 <	-0.8	-1.2	-2.0	-0.18	-43.76	-61.62	-97.34		
OVERHANG									
EFFECTIVE WIND AREA (SQ. FT.)	EXTERNAL PRESSURE COEFFICIENT G _{CP}			INTERNAL PRESSURE COEFFICIENT G _{CPi}	P (psf)				
	ZONE 1 FIELD	ZONE 2 EDGE	ZONE 3 CORNER		ZONE 1 FIELD	ZONE 2 EDGE	ZONE 3 CORNER		
< 10	-	-2.2	-3.7	ASCE 07-10	-	-104.28	-173.26		
20	-	-2.2	-3.4	ASCE 07-10	-	-104.28	-159.86		
50	-	-2.2	-2.8	ASCE 07-10	-	-104.28	-133.07		
100 <	-	-2.2	-2.5	ASCE 07-10	-	-104.28	-119.67		
ROOF CORNER ZONE WIDTH = 3'-0" ROOF CORNER ZONE LENGTH = 3'-0" ROOF EDGE ZONE WIDTH = 3'-0"									

*NOTE: WIND LOAD CALCULATIONS ARE BASED ON LRFD VALUES OF ASCE 7-10

7. WALL COMPONENTS AND CLADDING									
PRESSURE									
EFFECTIVE WIND AREA (SQ. FT.)	EXTERNAL PRESSURE COEFFICIENT G _{CP}		INTERNAL PRESSURE COEFFICIENT G _{CPi}	P (psf)					
	ZONE 4 FIELD	ZONE 5 EDGE		ZONE 4 FIELD	ZONE 5 EDGE				
< 10	1.0	1.0	0.18	52.69	52.69				
20	0.9	0.9	0.18	48.23	48.23				
50	0.85	0.85	0.18	45.99	45.99				
100	0.8	0.8	0.18	43.76	43.76				
SUCTION									
EFFECTIVE WIND AREA (SQ. FT.)	EXTERNAL PRESSURE COEFFICIENT G _{CP}		INTERNAL PRESSURE COEFFICIENT G _{CPi}	P (psf)					
	ZONE 4 FIELD	ZONE 5 EDGE		ZONE 4 FIELD	ZONE 5 EDGE				
< 10	-1.1	-1.4	-0.18	-57.16	-70.55				
20	-1.05	-1.3	-0.18	-54.92	-66.09				
50	-0.95	-1.2	-0.18	-50.46	-61.62				
100	-0.9	-1.05	-0.18	-48.23	-54.92				
WALL EDGE ZONE WIDTH = 3'-0"									

NOTE: WIND LOAD CALCULATIONS ARE BASED ON LRFD VALUES OF ASCE 7-10

FOUNDATIONS

1. FOUNDATION DESIGN BASED ON 2000 PSF MINIMUM ALLOWABLE BEARING PRESSURE. THIS VALUE SHALL BE VERIFIED BY THE CONTRACTOR.
2. NOTIFY ENGINEER IF FOOTING EXCAVATION REVEALS UNSUITABLE OR UNSTABLE SOILS OR MATERIALS OR CONDITIONS NOT PREVIOUSLY ANTICIPATED.
3. CONTRACTOR SHALL CONSIDER THE POSSIBLE IMPACT OF GROUNDWATER ON CONSTRUCTION TECHNIQUES, SEASONAL VARIATIONS, ANY OTHER SITE INDICATORS AND HIS OWN JUDGMENT.
4. SOIL DIRECTLY BELOW FOUNDATIONS AND SLAB ON GRADE SHALL BE COMPACTED TO 95% OF THE ASTM D 1557 (MODIFIED PROCTOR) MAXIMUM DRY DENSITY.
5. PREPARE SITE AND SOILS IN ACCORDANCE WITH REPORT OF GEOTECHNICAL ENGINEERING SERVICES PREPARED BY A GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF FLORIDA.

PORTLAND CEMENT CONCRETE

1. CONCRETE PROPERTIES
 - A. BEAMS, COLUMNS, AND FOUNDATIONS: 4000 PSI, 3" TO 5" SLUMP
 - B. FILLED CELLS IN CMU 3000 PSI, 8" TO 11" SLUMP, 3/8" PEA GRAVEL
2. FLY ASH SHALL NOT EXCEED 20 PERCENT BY WEIGHT OF TOTAL CEMENT, IF USED.
3. CONTRACTOR SHALL STRICTLY ADHERE TO SLUMP LIMITS. SUPERPLASTICIZER MAY BE USED AT THE CONTRACTORS OPTION TO INCREASE WORKABILITY.
4. MAXIMUM MIXING TIME (FROM BATCHING TO PLACEMENT)
 - A. AIR TEMPERATURE LESS THAN 85°F: 90 MINUTES
 - B. AIR TEMPERATURE 85°F TO 90°F: 75 MINUTES
 - C. AIR TEMPERATURE OVER 90°F: 60 MINUTES
5. MINIMUM COVER FOR REINFORCEMENT
 - A. FOOTINGS, 3 INCHES TO BOTTOM AND UNFORMED SIDES, 2 INCHES TO FORMED SIDES
 - B. OTHER, 2 INCHES TO MAIN REINFORCING, 1 1/2" INCHES TO TIES AND STIRRUPS.
6. ALL REINFORCEMENT SHALL BE SECURELY HELD IN PLACE BY STANDARD ACCESSORIES DURING CONCRETE PLACEMENT.
7. REINFORCEMENT SHALL BE GRADE 60 CONFORMING TO ASTM A615.
8. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
9. DETAIL AND FABRICATE REINFORCEMENT IN ACCORDANCE WITH "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315.
10. PROVIDE MINIMUM LAP SPLICES PER ACI 318-10 FOR ALL REINFORCING BARS, UNLESS OTHERWISE NOTED. STAGGER SPLICES IN ADJACENT BARS AT LEAST 24 INCHES, EXCEPT IN BEAMS AND COLUMNS.
11. IN WALL FOOTINGS, GRADE BEAMS AND BOND BEAMS, PROVIDE BENT BARS AT CORNERS AND INTERSECTIONS OF THE SAME NUMBER AND SIZE AS STRAIGHT BARS.
12. APPLY CURING COMPOUND TO SLAB WITHIN TWO HOURS OF COMPLETION OF FINISHING OPERATIONS. USE LIQUID MEMBRANE FORMING COMPOUND COMPLYING WITH ASTM C309 TYPE 1 CLASS A. APPLY IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

CONCRETE SLAB ON GRADE

1. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 3500 PSI
2. MAXIMUM SLUMP AT POINT OF DELIVERY: 5 INCHES
3. MAXIMUM AGGREGATE SIZE: 1 INCH
4. ENTRAINED AIR CONTENT: 4-5%
5. WELDED WIRE FABRIC SHALL BE WWF 6X6-W1.4XW1.4, UNLESS OTHERWISE NOTED, CONFORMING TO ASTM A 185.
6. THE WELDED WIRE FABRIC SHALL BE PLACED IN THE CENTER OF THE DEPTH OF SLAB ON GRADE UNLESS OTHERWISE NOTED. ALL MESH JOINTS SHALL BE LAPPED TWO FULL MESHES.
7. INTERRUPT TYPICAL SLAB REINFORCEMENT AT ALL CONSTRUCTION AND EXPANSION JOINTS.
8. CUT ALTERNATE WIRES ALONG THE LINE OF SAW CUT CONTROL JOINTS PRIOR TO PLACING CONCRETE. MAKE SAW CUTS WITHIN 12 HOURS OF CONCRETE PLACEMENT, OR AS SOON AS CUTTING CAN BE DONE SUCH THAT THE SAW BLADE DOES NOT DISLodge AGGREGATE AND THE EDGES OF THE CUT DO NOT RAVEL.
9. PROVIDE 1/2" PREFORMED EXPANSION JOINT MATERIAL WHERE SLAB ABUTS VERTICAL SURFACES SUCH AS WALLS AND COLUMNS.
10. PROVIDE TERMITE PROTECTION TO SOIL PER FLORIDA BUILDING CODE 2010 BEFORE SLAB PLACEMENT.
11. PROVIDE VAPOR RETARDER UNDER ALL SLABS ON GRADE IN ENCLOSED SPACE.
12. APPLY CURING COMPOUND TO SLAB WITHIN TWO HOURS OF COMPLETION OF FINISHING OPERATIONS. USE LIQUID MEMBRANE FORMING COMPOUND COMPLYING WITH ASTM C 309 TYPE 1 CLASS A. THE COMPOUND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
13. THE CONTRACTOR SHALL CONFIRM THAT THE CURING COMPOUND WILL NOT INTERFERE WITH THE BONDING OF ANY APPLIED FLOOR SURFACE. IF THE CURING COMPOUND IS FOUND TO INTERFERE WITH BONDING, THE USE OF WET BURLAP AND TRICKLE HOSES IS ACCEPTABLE.
14. FOR LARGE SLABS, IT IS RECOMMENDED THAT THE SLAB BE CAST IN ALTERNATING LONG STRIPS AND SAW CUT TRANSVERSELY TO MINIMIZE SHRINKAGE CRACKING.

CONCRETE MASONRY UNITS

1. BLOCKS SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90 LATEST EDITION. TYPE II NON-MOISTURE CONTROLLED. THE MINIMUM NET AREA COMPRESSIVE STRENGTH SHALL BE 1500 PSI FOR AN AVERAGE OF THREE UNITS AND 1900 PSI FOR AN INDIVIDUAL UNIT. SAMPLE AND TEST MASONRY UNITS IN ACCORDANCE WITH ASTM C 140. SAMPLE AND TEST MASONRY GROUT FILL IN ACCORDANCE WITH ASTM C 39.
2. MORTAR SHALL CONFORM TO ASTM C 270 LATEST EDITION. MORTAR FOR ABOVE GRADE WORK SHALL BE TYPE S WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 1800 PSI. MORTAR FOR BELOW GRADE WORK SHALL BE TYPE M MORTAR WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI. SAMPLE AND TEST MORTAR IN ACCORDANCE WITH ASTM C 109.
3. PREFABRICATED HORIZONTAL JOINT REINFORCEMENT SHALL HAVE 9 GAGE SIDE RAILS FABRICATED FROM HIGH-STRENGTH COLD-DRAWN WIRE CONFORMING TO ASTM A 82 AND SHALL BE GALVANIZED AFTER FABRICATION. PLACE JOINT REINFORCEMENT IN ALTERNATE COURSES IN ALL WALLS. PLACE THREE ROWS AT 8 INCHES ON CENTER IMMEDIATELY ABOVE ALL WALL OPENINGS AND AT THE TOP OF ALL WALLS. LAP SIDE RAILS AT LEAST 6 INCHES AT SPLICES. JOINT REINFORCEMENT TO BE TRUSS-TYPE.
4. PROVIDE ALL SPECIAL, LINTEL, KNOCK-OUT, JAMB AND SASH BLOCK AS REQUIRED TO COMPLETE THE WALLS. MASONRY SAWS SHALL BE USED TO CUT THE BLOCK AS REQUIRED.
5. BRACE FOUNDATION WALLS BEFORE BACKFILLING AGAINST THEM TO PREVENT OVERSTRESSING, BUCKLING OR ROTATION OF THE WALLS. BRACE ALL WALLS AGAINST WIND, CONSTRUCTION LOADS OR OTHER TEMPORARY FORCES UNTIL SUCH PROTECTION IS NO LONGER REQUIRED FOR THE SAFE SUPPORT OF THE WALL. BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. IN ADDITION TO REQUIREMENTS ELSEWHERE IN THE DRAWINGS FOR FILLING MASONRY CELLS, FILL CELLS WITH CONCRETE AND ONE #5 BAR AT A MAXIMUM SPACING OF 48 INCHES UNLESS OTHERWISE NOTED. FILL FIRST CELL EACH SIDE OF ANY OPENING AND FILL FIRST CELL AT END OF WALL.
7. EXTEND AND HOOK VERTICAL BARS INTO FOOTING. EXTEND AND HOOK VERTICAL BARS INTO TOP OF WALL BOND BEAM OR TIE BEAM.
8. ALL VERTICAL BARS SHALL BE SECURELY TIED TO THE LOWER BAR AT ANY SPLICES, ESPECIALLY AT THE FOOTING DOWELS. BARS SHALL BE SECURED IN THEIR PROPER POSITIONS WITHIN THE CELLS BY THE WIRES, REBAR POSITIONERS OR BY OTHER APPROVED METHODS.
9. PROVIDE CLEANOUTS AND/OR INSPECTION PORTS FOR FILLING CELLS IN LIFTS EXCEEDING 5 FEET. LIFTS SHALL NOT EXCEED 8 FEET.
10. CONTROL JOINT SPACING ALONG A STRAIGHT WALL SHALL NOT EXCEED 25 FEET, NOR 3 TIMES THE WALL HEIGHT. USE PREFORMED NEOPRENE JOINT STRIPS AND STANDARD SASH BLOCKS.
11. PROVIDE CONTROL JOINTS IN ACCORDANCE WITH DETAILS ON THE DRAWINGS AND IN ACCORDANCE WITH THESE GUIDELINES:
 - A. AT CHANGES IN WALL HEIGHT
 - B. AT CHANGES IN WALL THICKNESS
 - C. AT WALL OPENINGS LESS THAN 6'-0" WIDE, ONE SIDE
 - D. AT WALL OPENINGS 6'-0" OR WIDER, BOTH SIDES
 - E. AT CONTROL JOINTS IN APPLIED PLASTER OR MASONRY VENEER
 - F. AT CHASES AND RECESSES FOR PIPES, COLUMNS, ETC.
12. IN ADDITION TO REQUIREMENTS ELSEWHERE IN THE DRAWING, PROVIDE A CONTINUOUS HORIZONTAL #5 IN FULLY GROUTED KNOCK OUT BLOCK BELOW WINDOW OPENINGS EXTENDED 8' BEYOND EACH SIDE OF OPENING.

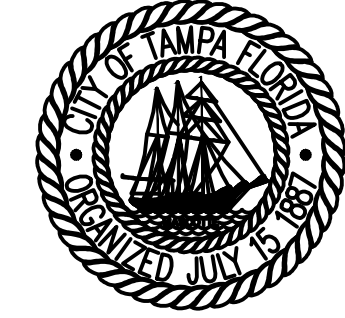
ROUGH CARPENTRY - STRUCTURAL WOOD FRAMING AND SHEATHING

1. APPLICABLE PUBLICATIONS:
 - A. WESTERN WOOD PRODUCTS ASSOCIATION PUBLICATION: STANDARD GRADING RULES FOR WESTERN LUMBER
 - B. AMERICAN WOOD PRESERVERS INSTITUTE STANDARDS: PRESERVATIVE TREATMENT OF WOOD BY PRESSURE METHODS
 - C. NATIONAL FOREST PRODUCTS ASSOCIATION PUBLICATION: NATIONAL DESIGN SPECIFICATION FOR STRESS GRADED LUMBER AND ITS FASTENINGS
 - D. WEST COAST LUMBER INSPECTION BUREAU STANDARDS: STANDARD GRADING AND DRESSING RULES FOR DOUGLAS FIR, WEST COAST HEMLOCK, SITKA SPRUCE, WHITE FIR, AND WESTERN RED CEDAR LUMBER, NO. 16
 - E. SOUTHERN PINE INSPECTION BUREAU: STANDARD GRADING RULES FOR SOUTHERN PINE LUMBER
 - F. SOUTHERN FOREST PRODUCTS ASSOCIATION
 - G. NATIONAL BOARD OF FIRE UNDERWRITERS
2. LUMBER SHALL COMPLY WITH PS 20 (AMERICAN SOFTWOOD LUMBER STANDARD; NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY) AND APPROVED GRADING RULES AND INSPECTION AGENCIES.
3. COVER WOOD PRODUCTS TO PROTECT AGAINST MOISTURE. SUPPORT STACKED PRODUCTS TO PREVENT DEFORMATION AND TO ALLOW CIRCULATION.
4. DIMENSION LUMBER
 - A. GRADING AGENCY: SOUTHERN PINE INSPECTION BUREAU, INC. (SPIB)
 - B. SIZES: NOMINAL SIZES AS INDICATED ON DRAWINGS. S4S
 - C. MOISTURE CONTENT: S-DRY OR MC19
 - D. LUMBER: S4S, SOUTHERN PINE NO. 2
5. PLYWOOD SHEATHING
 - A. PS 1 (CONSTRUCTION AND INDUSTRIAL PLYWOOD; NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY.
 - B. APA RATED SHEATHING EXP
6. ALL FASTENERS TO BE HOT-DIPPED GALVANIZED STEEL FOR HIGH-HUMIDITY AND TREATED WOOD LOCATIONS.
7. PRESSURE TREATMENT OF LUMBER ABOVE GRADE SHALL BE AWP A TREATMENT C2 USING WATERBORNE PRESERVATIVE 0.25 LB/CU FT RETENTION.
8. FASTENINGS (GENERAL): THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THOSE SPECIFIED IN TABLE 2304.9.1 OF THE FLORIDA BUILDING CODE 2004.
9. ALL PRESSURE TREATED WINDOW AND DOOR BUCKS SHALL BE LESS THAN 1 1/2 INCHES. WINDOW AND DOOR ANCHORS SPECIFIED BY MANUFACTURER SHALL BE SECURELY FASTENED INTO THE MASONRY SUBSTRATE.

PREFABRICATED WOOD TRUSSES

1. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE (TPI) REQUIREMENTS.
2. TRUSSES SHALL BE DESIGNED SO THAT THE TOTAL DEFLECTION UNDER COMBINED DEAD AND LIVE LOADS WILL NOT EXCEED L/360 (WHERE L = LENGTH OF SPAN), NOR SHALL THE LIVE LOAD DEFLECTION EXCEED L/240.
3. ROOF TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER TO MEET OR EXCEED THE FOLLOWING LOAD CONDITIONS IN ADDITION TO ALL GOVERNING BUILDING CODES, COMPLETE WITH ALL NECESSARY TEMPORARY OR PERMANENT BRACING, ATTACHMENTS, BRIDGING, ETC. AS MAY BE REQUIRED FOR A COMPLETE ROOF SYSTEM.
 - TOP CHORD LIVE LOAD.....20.0 PSF
 - TOP CHORD DEAD LOAD (SUPERIMPOSED).....10.0 PSF
 - BOTTOM CHORD LIVE LOAD.....10.0 PSF
 - BOTTOM CHORD DEAD LOAD (SUPERIMPOSED).....15.0 PSF
 - TOTAL = 55.0 PSF
4. DESIGN IS TO BE BASED ON FRAMING LAYOUT, DIMENSIONS AND LOAD SHOWN. DEVIATION FROM THIS MUST BE COORDINATED WITH THE PROJECT ARCHITECT AND ENGINEER.
5. TRUSS MANUFACTURER TO MAINTAIN NUMBER OF TRUSS PLIES INDICATED ON DRAWINGS- INCREASE CHORD/WEB MEMBERS TO ACCOMPLISH THIS. ST HE
6. TRUSS MANUFACTURER SHALL PROVIDE CALCULATIONS SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF FLORIDA DEMONSTRATING THE STRENGTH AND SERVICEABILITY OF THE ROOFING SYSTEM. THESE CALCULATIONS SHALL ALSO SPECIFICALLY IDENTIFY UPLIFT AND SHEAR FORCES AND CONNECTIONS SELECTED TO RESIST THESE FORCES. BOTTOM CHORD BRACING SHALL BE IN COMPLIANCE WITH TPI RECOMMENDATIONS AND DESIGNED TO PROVIDE ADEQUATE
7. THE ARCHITECT/ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER TRUSS LOAD INFORMATION IS SUPPLIED TO THE ARCHITECT/ENGINEER.

8. SIMPSON STRONG-TIE CONNECTORS				
SIMPSON MODEL NO.	DESCRIPTION	SUPPORTING MEMBER	SUPPORTED MEMBER	FLORIDA PRODUCT APPROVAL NO.
HETAL12	EMBEDDED TRUSS ANCHOR	-	(10) 10d x 1-1/2	11473.5
HETAL16	EMBEDDED TRUSS ANCHOR	-	(10) 10d x 1-1/2	11473.5
MGT	GIRDER TRUSS HOLD DOWN	(1) 5/8" TO CMU	(22) 10d TO GIRDER	11470.7
LU24	FACE MOUNT MOUNT	(4) 10d	(2) 10d x 1-1/2	10655.103
H2.5A	HURRICANE TIE	(5) 8d	(5) 8d	10456.12
HGT-2	GIRDER TRUSS HOLD DOWN	(2) 5/8"	(16) 10d	10456.18
H14	HURRICANE STRAP	(12) 8dx1-1/2"	(15) 8d	11478.2
LGUM210-2-SDS	GIRDER TRUSS HOLD DOWN	(8) 3/8"x4"	(8) 1/4"x2-1/2"	11473.12



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FIRE STATION 19
 7910 INTERBAY BLVD.
 TAMPA, FLORIDA

DPW FILE NUMBER

DPW NUMBER
 FDD0116

ISSUE DATE
 5-31-13

DRAWN BY
 RC KC

REVISIONS
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SEAL
 TO THE BEST OF THE ENGINEER'S KNOWLEDGE,
 THE PLANS AND SPECIFICATIONS COMPLY WITH
 THE APPLICABLE MINIMUM BUILDING CODES

CONSTRUCTION DOCUMENTS
 BRIAN E. WALTER
 FL. P.E. NO. 66538

SCALE: AS SHOWN

GENERAL NOTES

SHEET NUMBER
 S1.0
 OF x



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 FL. P.E. NO. 66538

SCALE: AS SHOWN

ROOF FRAMING PLAN

SHEET NUMBER

S2.1
 OF

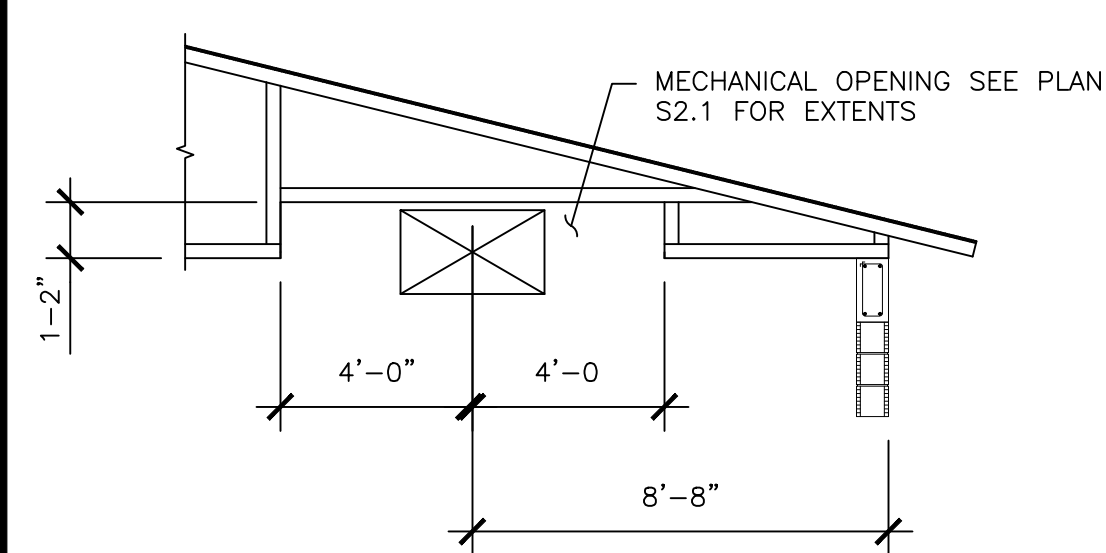
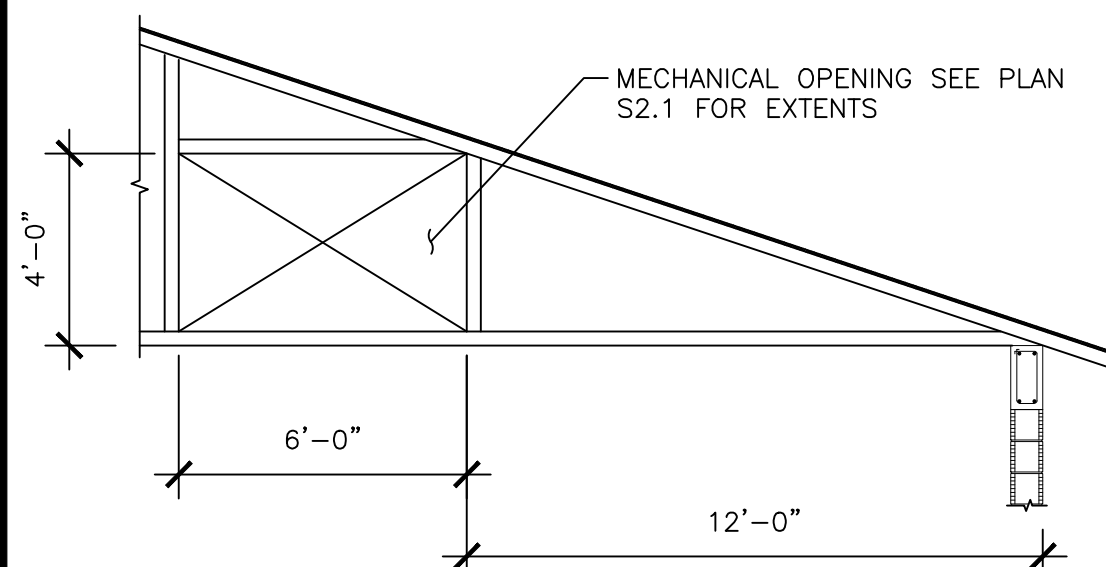
ROOF FRAMING NOTES

- N-1 FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS S1.0.
- N-2 FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCH. DRAWINGS. VERIFY ALL DIMENSIONS WITH ARCH. DRAWINGS.
- N-3 SEE PLAN FOR FINISH FLOOR ELEVATIONS, VERIFY ELEVATIONS WITH CIVIL DRAWINGS.
- N-4 ANY MODIFICATION TO THE TRUSS LAYOUT SHOWN ON THIS PLAN SHALL BE REVIEWED BY THE ENGINEER. SUCH MODIFICATIONS MAY ADVERSELY AFFECT THE STRUCTURAL DESIGN OF BEAMS, COLUMNS, FOUNDATIONS, AND CMU WALLS.
- N-5 PRE-ENGINEERED TRUSSES SHALL BE DESIGNED SO AS TO NOT EXERT ANY HORIZONTAL THRUST FORCES ON SUPPORTING WALLS AND BEAMS.
- N-6 TRUSS LAYOUT PLAN IS DIAGRAMMATIC IN NATURE AND IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY. TRUSS MANUFACTURER SHALL PROVIDE SEPARATE LAYOUT AND TRUSS DESIGN AND CALCULATIONS SIGNED AND SEALED BY FLORIDA REGISTERED PROFESSIONAL ENGINEER.
- N-7 PRE-ENGINEERED WOOD TRUSSES SHALL BE PLACED AT 2'-0" U.N.O.
- N-8 INSTALL FASTENERS PER MANUFACTURER'S SPECIFICATIONS AND DO NOT DRIVE NAILS THROUGH THE TRUSS PLATE ON THE OPPOSITE SIDE OF THE TRUSS WHICH COULD FORCE THE PLATE OFF THE TRUSS.
- N-9 ROOF SHEATHING SHALL BE 24/16 1/8" APA RATED EXTERIOR EXPOSURE 1. NAILS SHALL BE 10d WITH A MINIMUM PENETRATION (IN FRAMING) OF 1 1/2". MINIMUM NOMINAL WIDTH OF FRAMING MEMBERS SHALL BE 2" (ONE LINE OF FASTENERS REQUIRED). SHEATHING SHALL BE PLACED OVER A MINIMUM OF 2 SPANS WITH THE LONG DIMENSION PERPENDICULAR TO THE MAIN ROOF FRAMING MEMBERS. NAIL SPACING SHALL BE 6" AT BOUNDARIES AND CONTINUOUS PANEL EDGES, UNLESS OTHERWISE NOTED. NAIL SPACING SHALL BE 6" AT INTERMEDIATE SUPPORTS, UNLESS OTHERWISE NOTED.
- N-10 THE ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD BEARING CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER TRUSS LOAD INFORMATION IS SUPPLIED TO THE ENGINEER.
- N-11 THE FINAL TRUSS ENGINEERING AND LAYOUT SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW PRIOR TO TRUSS MANUFACTURING.
- N-12 PROVIDE BENT BARS OF THE SAME NUMBER AND SIZE AS STRAIGHT BARS AT CORNERS AND INTERSECTIONS OF BOND BEAM TYP.
- N-13 TRUSS BRACING SEE DETAIL 4/S3.2.
- N-14 CROSS BRACING AT 20'-0" MAX, SEE DETAIL 5/S3.2.
- N-15 ROOF OVERHANGS TO BE VERIFIED WITH ARCH. DRAWINGS.
- N-16 MULTI-PLY GIRDER TRUSS AS REQUIRED BY TRUSS MANUFACTURER. TRUSS TO TRUSS CONNECTION PROVIDED BY TRUSS MANUFACTURER.
- N-17 TRUSS TO STRUCTURE HOLD DOWN STRAPS SUBJECT TO CHANGE, DEPENDANT UPON COMPLETION OF TRUSS MANUFACTURE CALCULATION AND REQUIREMENTS.

ROOF FRAMING LEGEND

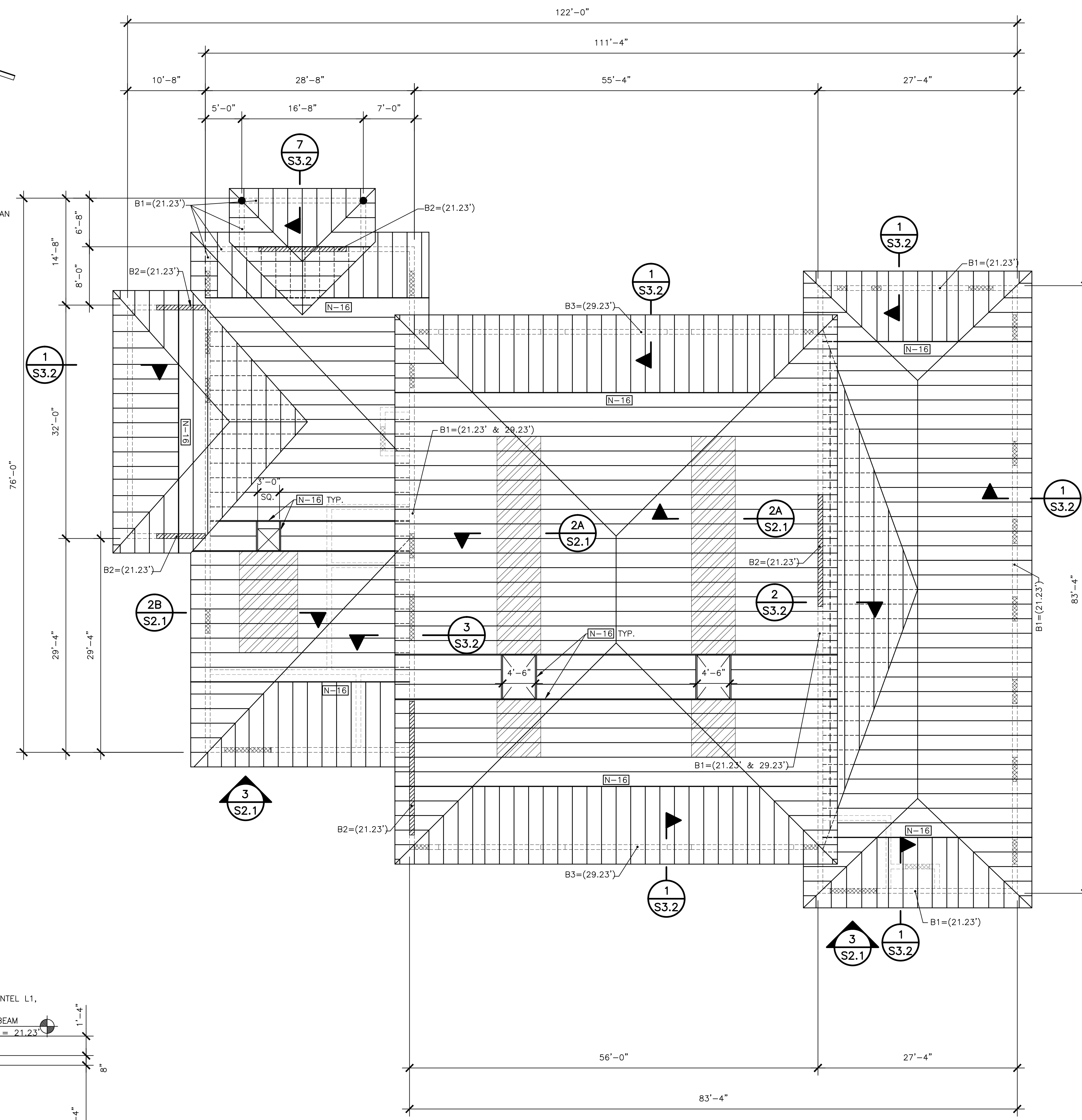
- INDICATES OPENING WITH L1 LINTEL TYPICAL U.N.O. SEE 6/S3.2 FOR LINTEL SCHEDULE AND VERIFY OPENING WITH ARCH. DRAWINGS.
- BX=(X') INDICATES CONCRETE BEAM AND TOP OF BEAM ELEVATION. SEE BEAM SCHEDULE.
- INDICATES CONCRETE BEAM ABOVE OPENING, BEAM TO SPAN 8" BEYOND OPENING ON EACH SIDE.
- INDICATES MODIFIED TRUSS TO ACCOMMODATE MECH. EQUIPMENT. SEE 2/S2.1

BEAM SCHEDULE			
MARK	WIDTH	DEPTH	REINFORCEMENT
B1	8"	16"	2-#5 BARS TOP AND BOTTOM W/#3 STIRRUPS AT 12" O.C.
B2	8"	24"	2-#5 BARS TOP AND BOTTOM AND MID W/#3 STIRRUPS AT 10" O.C.
B3	8"	32"	2-#5 BARS TOP AND BOTTOM AND 2-#5 EACH FACE MIDDLE W/#3 STIRRUPS AT 12" O.C.
-	-	-	-



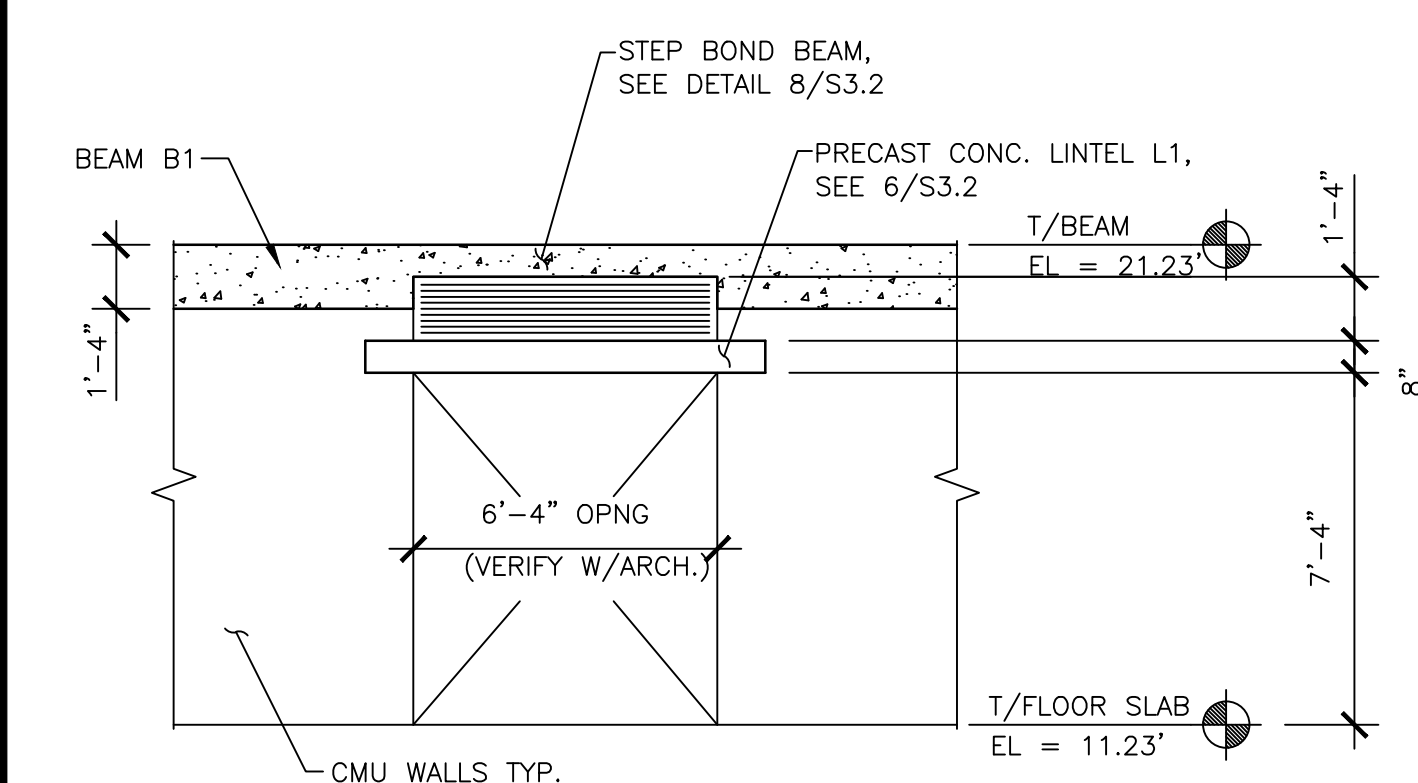
2 MODIFIED TRUSS DETAIL

S2.1 SCALE: 1/4" = 1'-0"



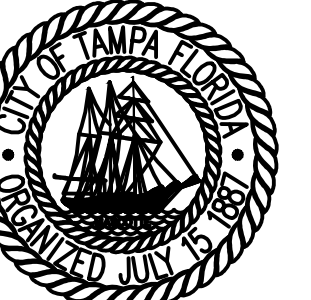
1 ROOF FRAMING PLAN

S2.1 SCALE: 1/8" = 1'-0"



3 ELEVATION

S2.1 SCALE: 1/4" = 1'-0"



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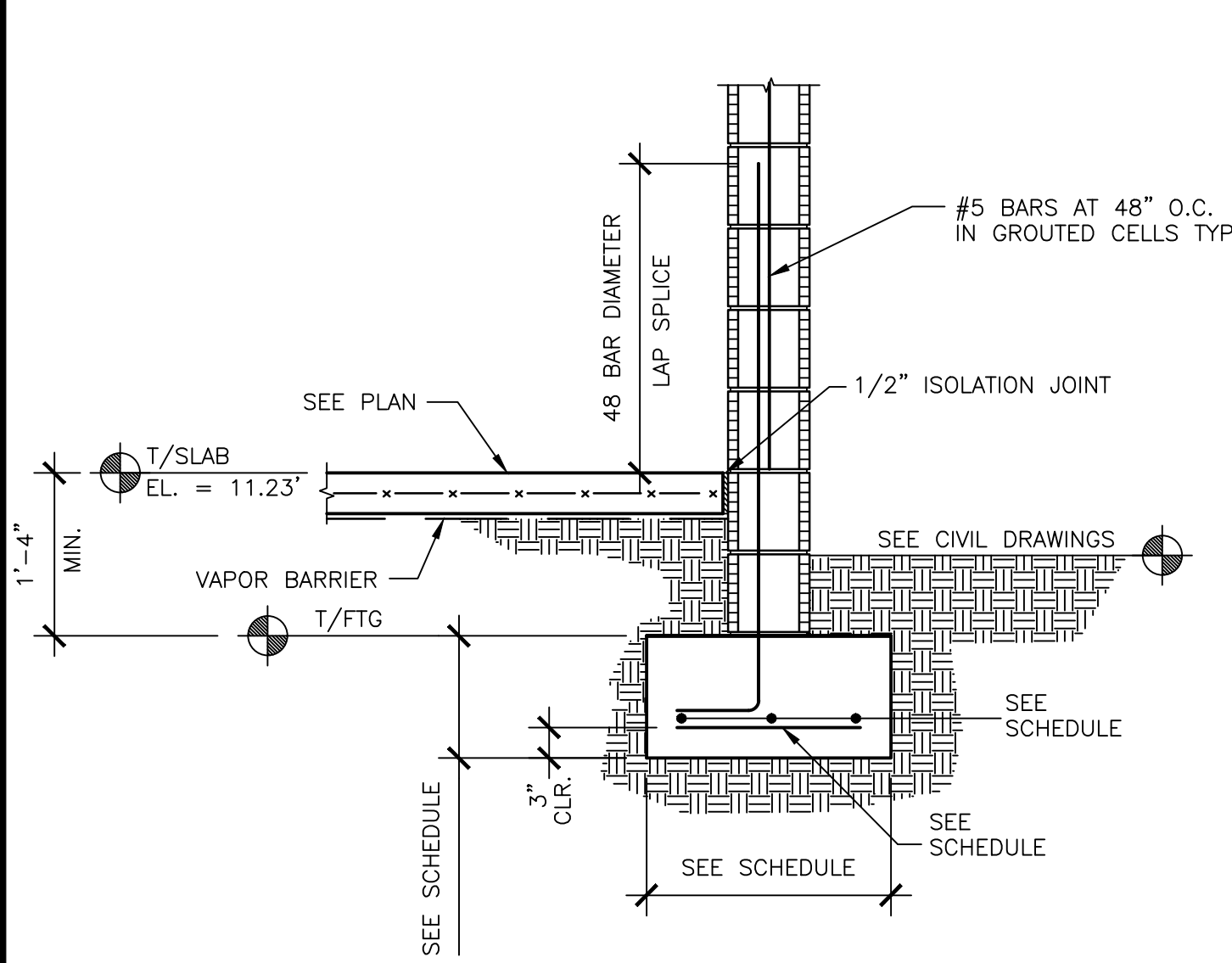
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SCALE: AS SHOWN

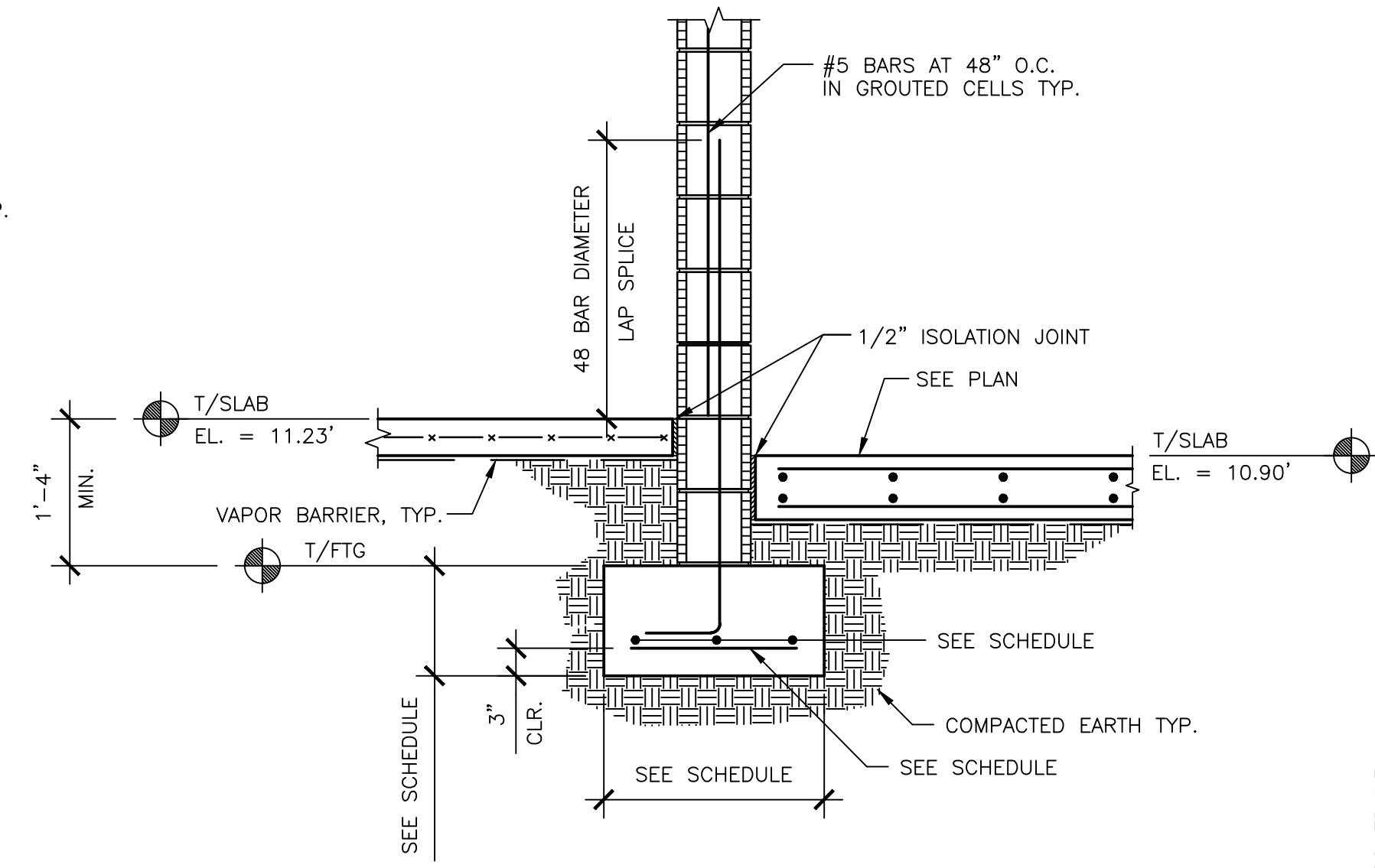
SECTION & DETAILS

SHEET NUMBER

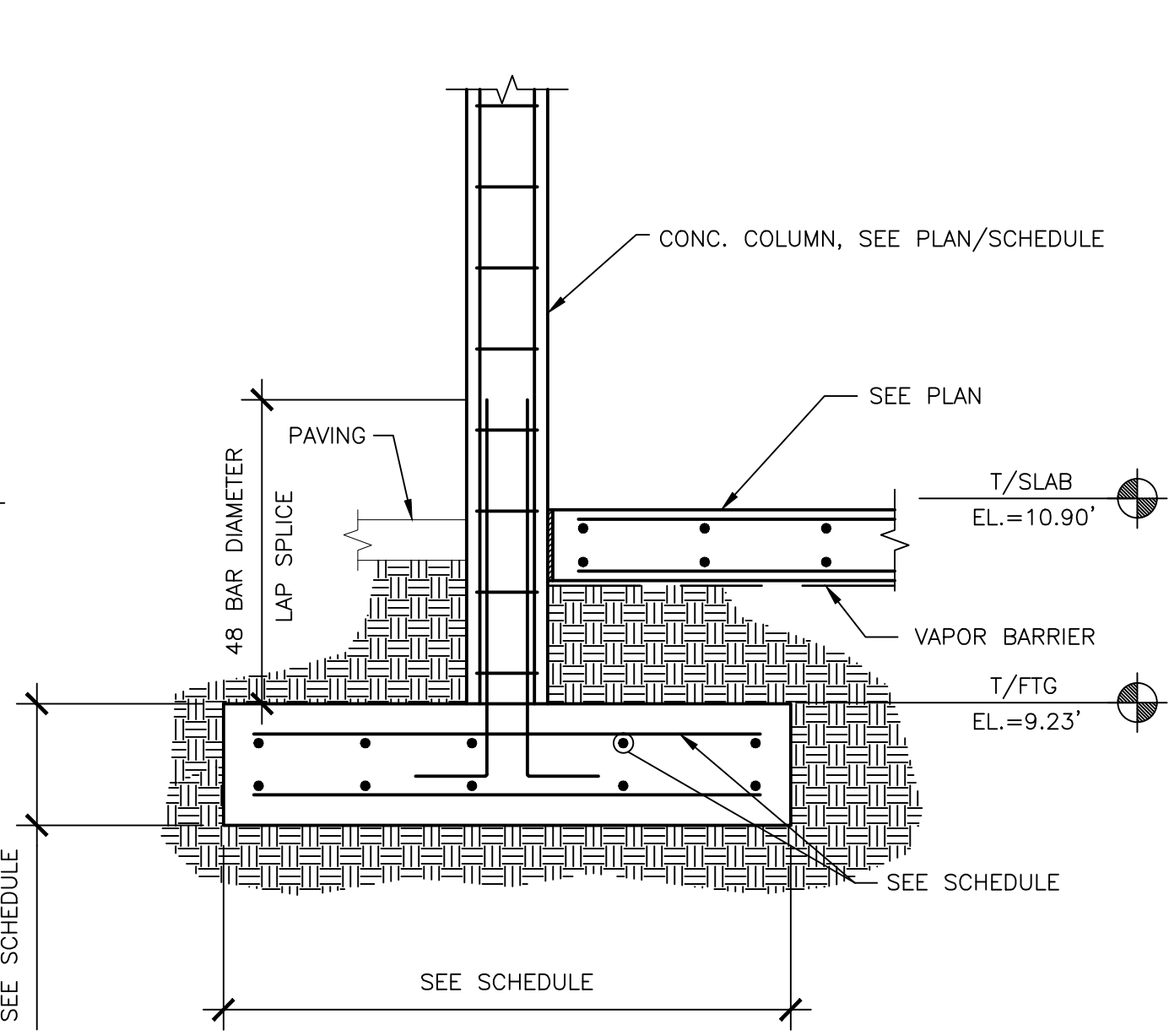
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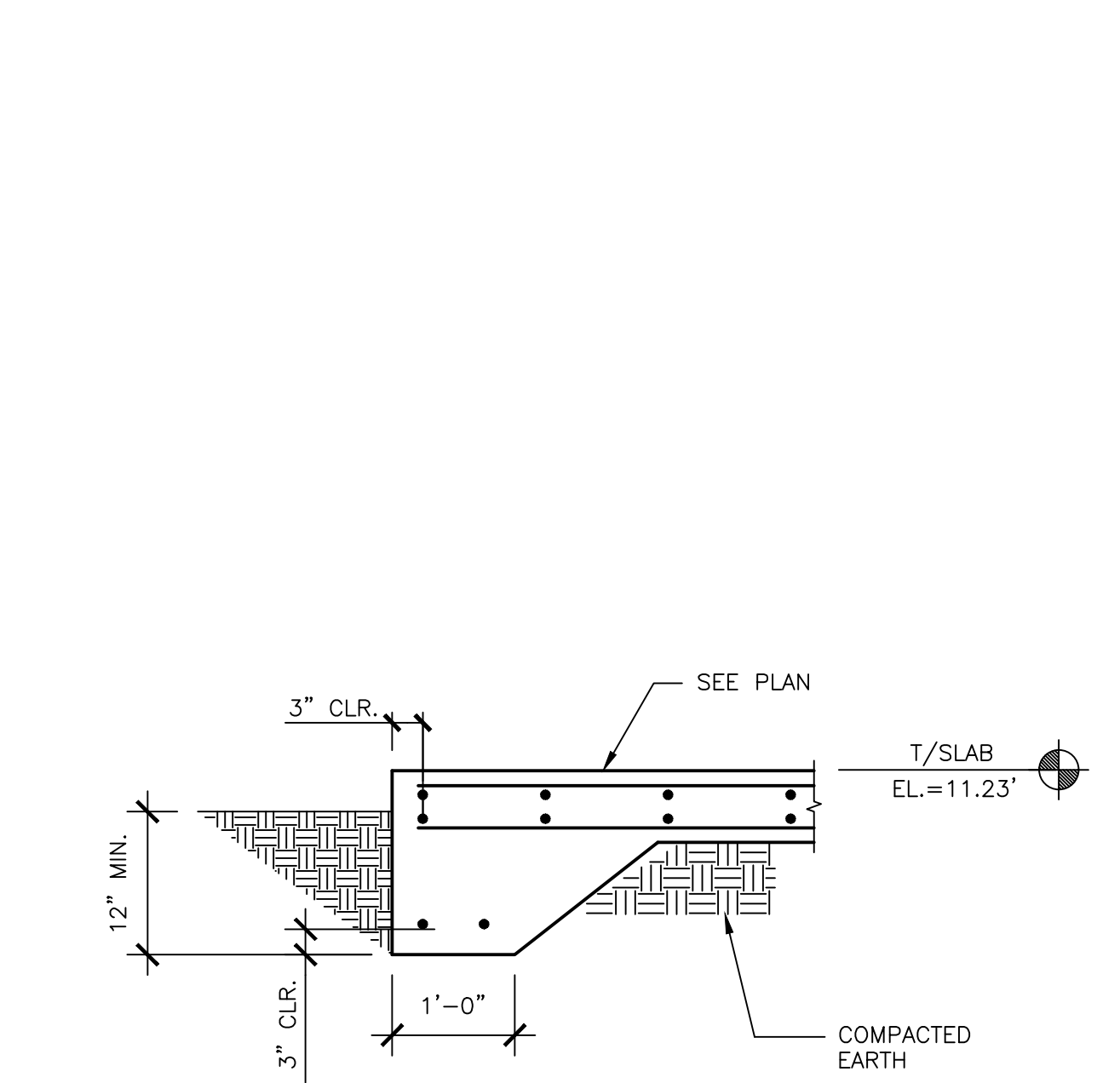
1 TYPICAL FOOTING DETAIL
 S3.0 SCALE: 3/4" = 1'-0"



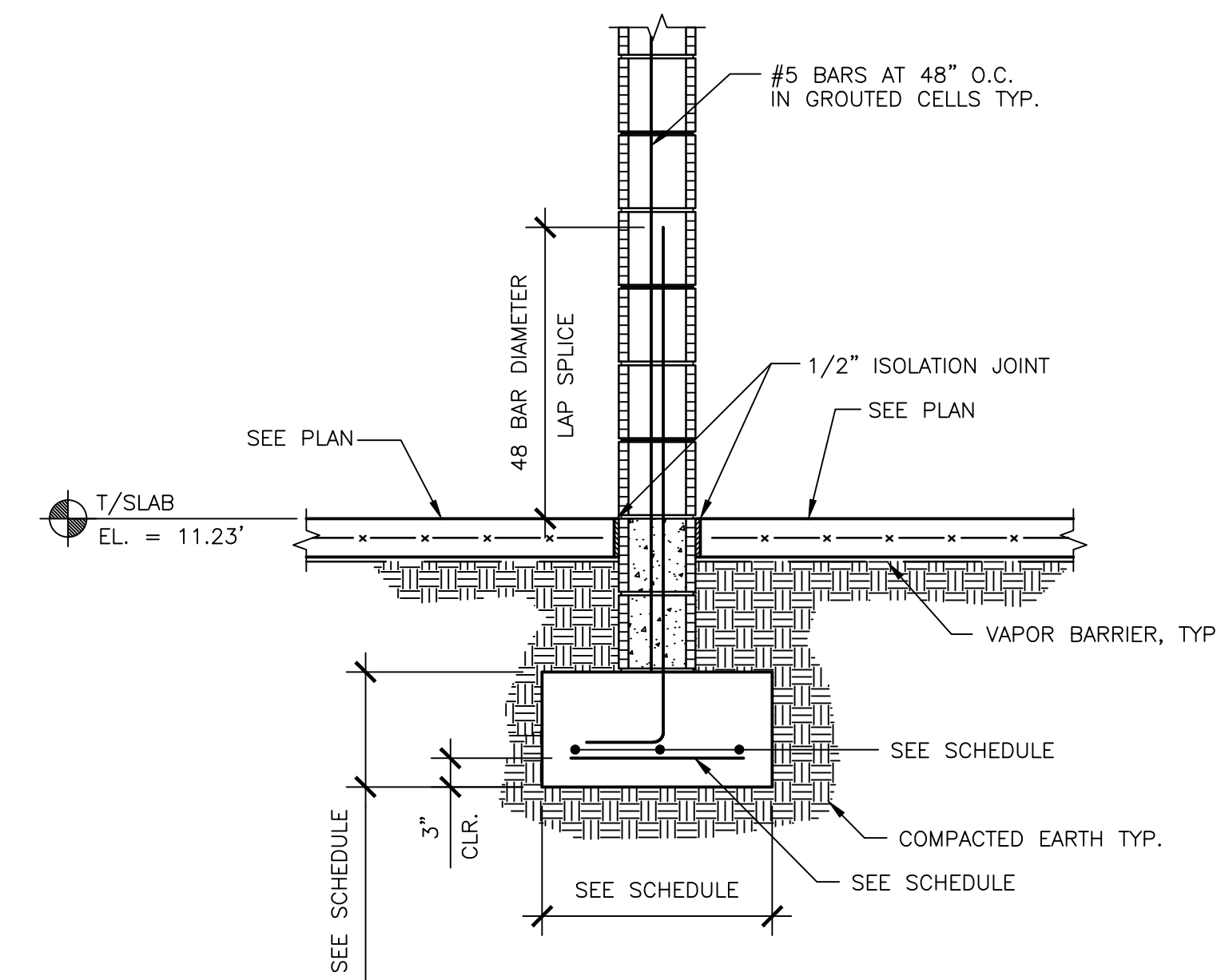
2 FOOTING DETAIL
 S3.0 SCALE: 3/4" = 1'-0"



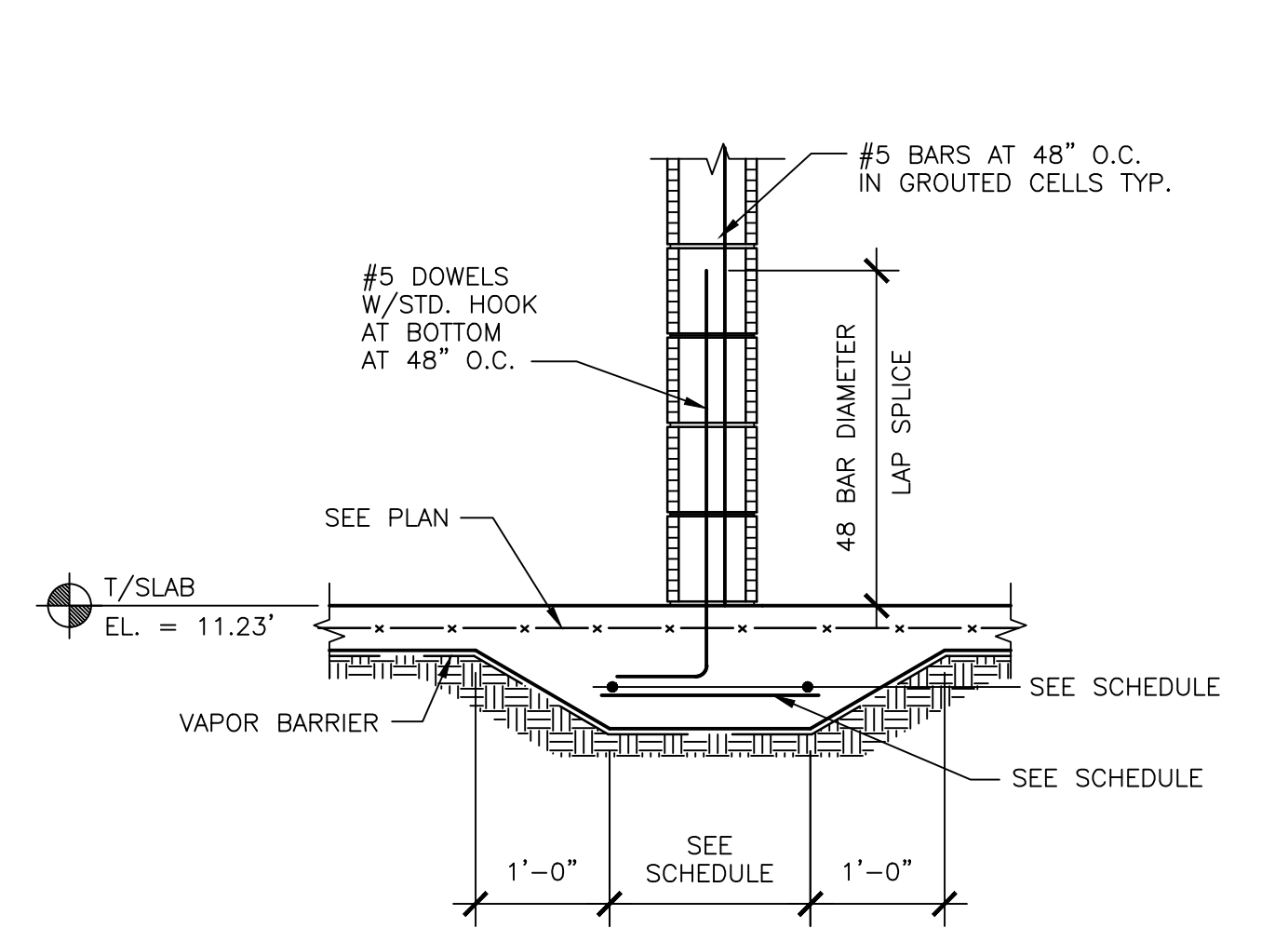
3 SECTION
 S3.0 SCALE: 3/4" = 1'-0"



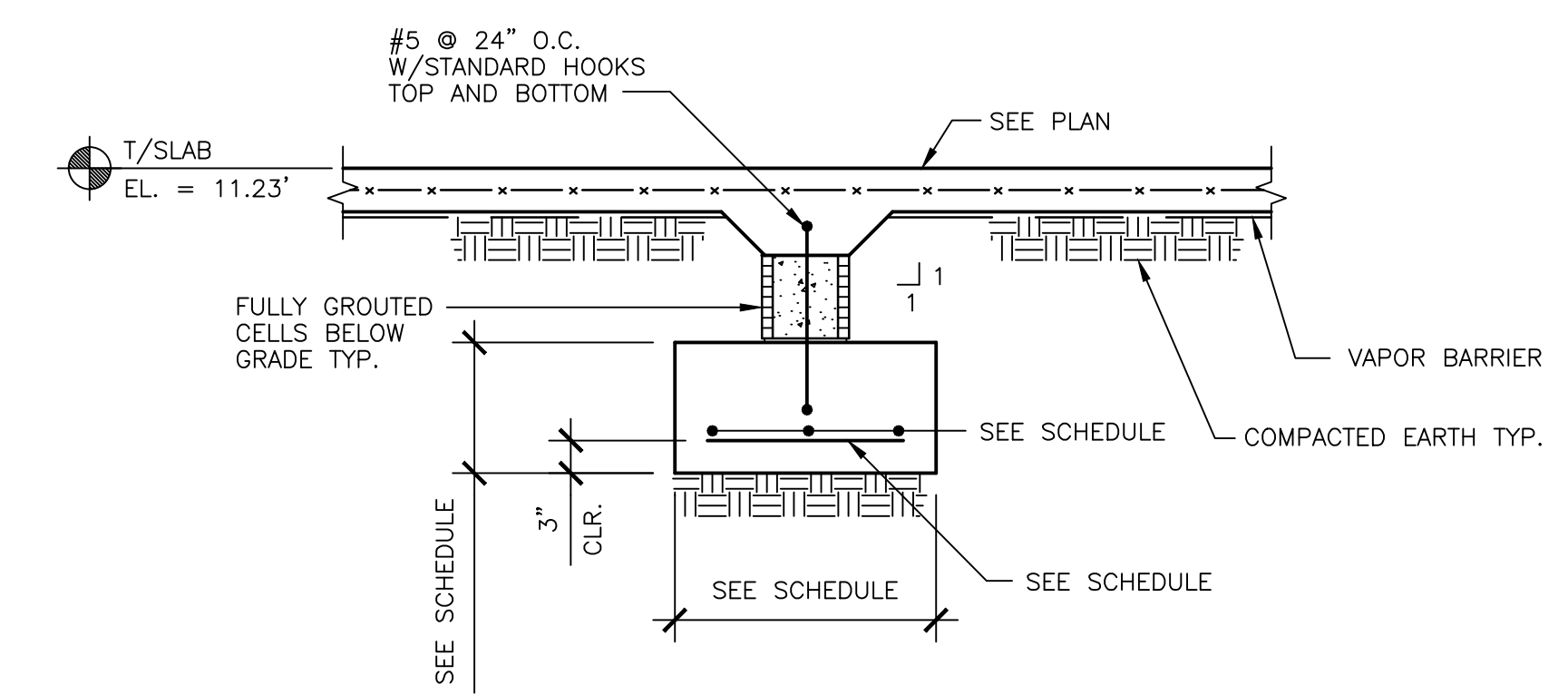
4 THICKENED SLAB EDGE
 S3.0 SCALE: 3/4" = 1'-0"



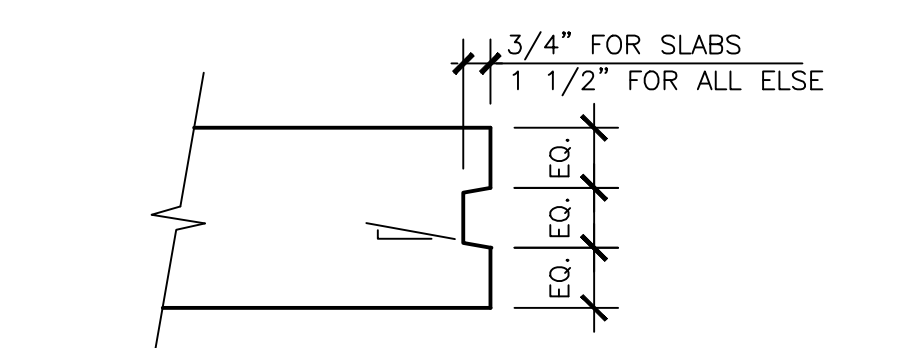
5 INTERIOR NON-LOAD BEARING WALL FOOTING DETAIL
 S3.0 SCALE: 3/4" = 1'-0"



6 ALTERNATE INTERIOR NON-LOAD BEARING WALL FOOTING DETAIL
 S3.0 SCALE: 3/4" = 1'-0"

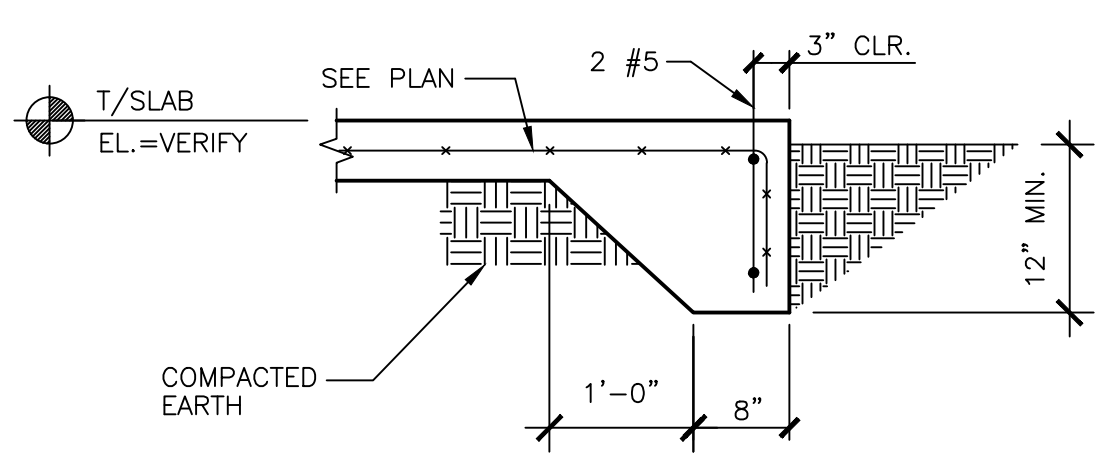


7 FOOTING DETAIL @ DOOR OPENING
 S3.0 SCALE: 3/4" = 1'-0"

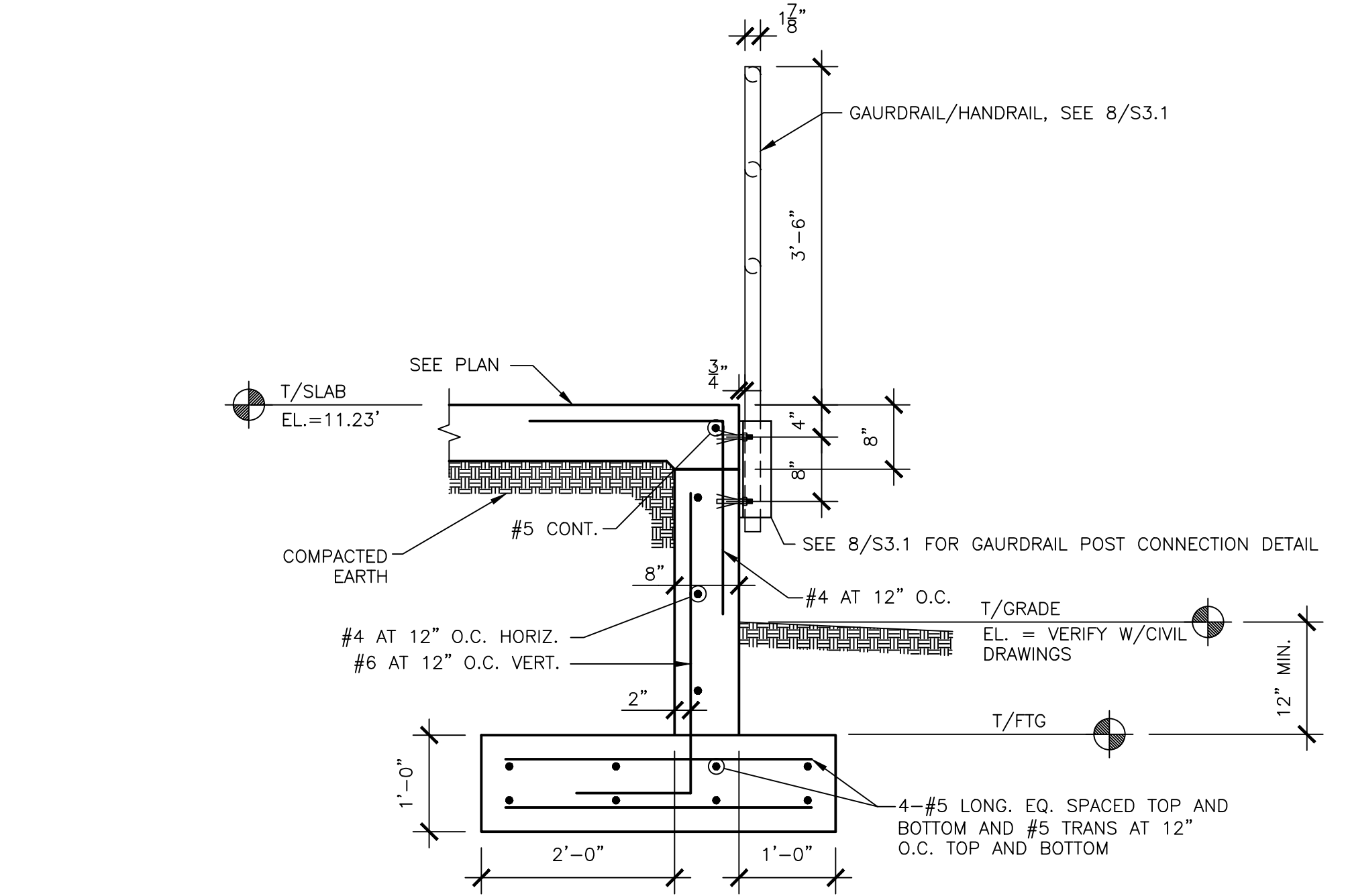


PROVIDE A KEYS JOINT WHERE A CONTINUOUS CONCRETE ELEMENT IS CONSTRUCTED IN PARTS. USE THIS DETAIL FOR A CONSTRUCTION JOINT WHERE REQ'D, UNLESS NOTED OTHERWISE. EXTEND REINFORCEMENT THE MINIMUM LAP DIMENSION INTO THE NEW CONCRETE POUR.

8 KEY JOINT
 S3.0 SCALE: 3/4" = 1'-0"

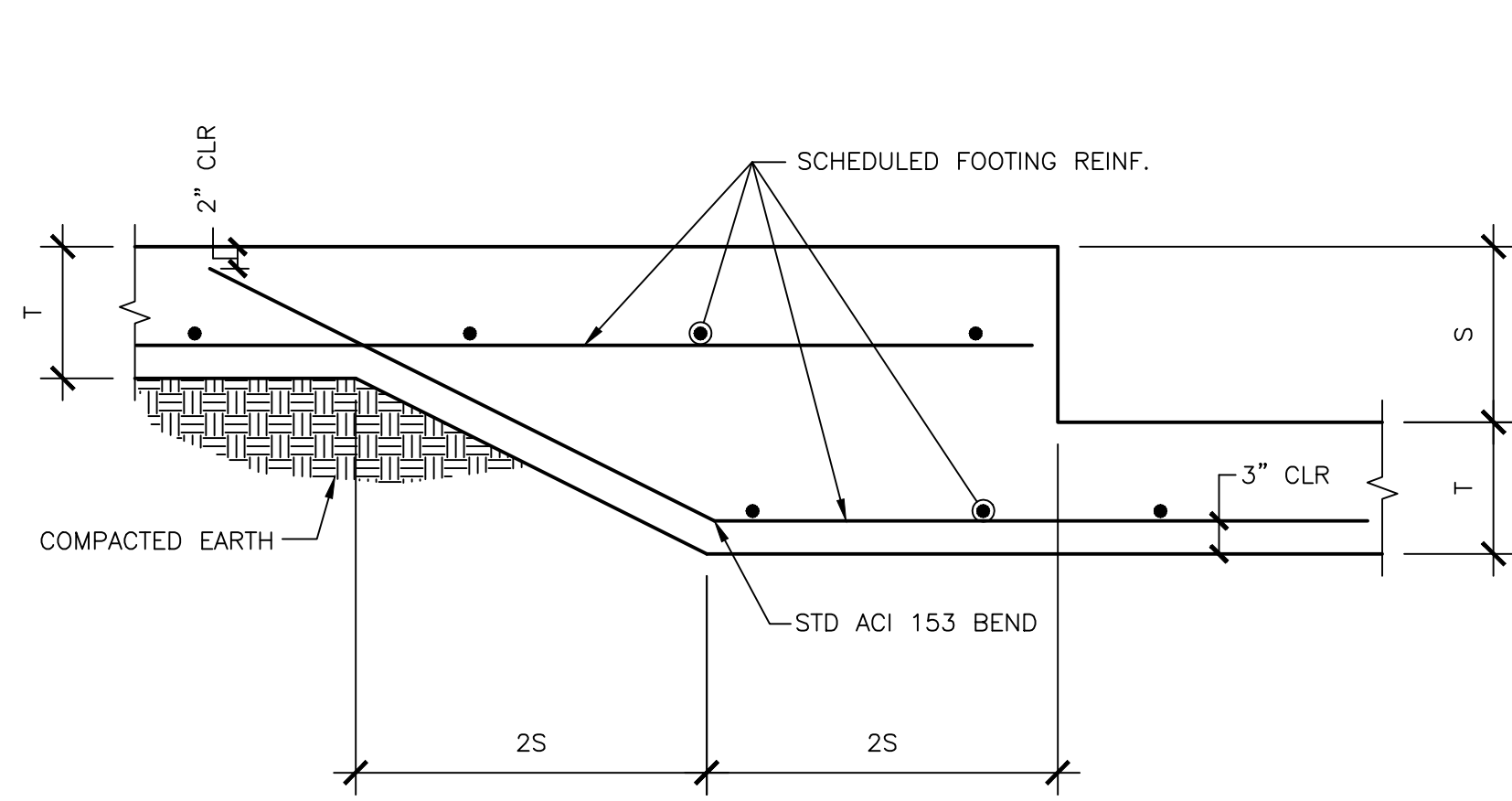


9 THICKENED SLAB EDGE
 S3.0 SCALE: 3/4" = 1'-0"



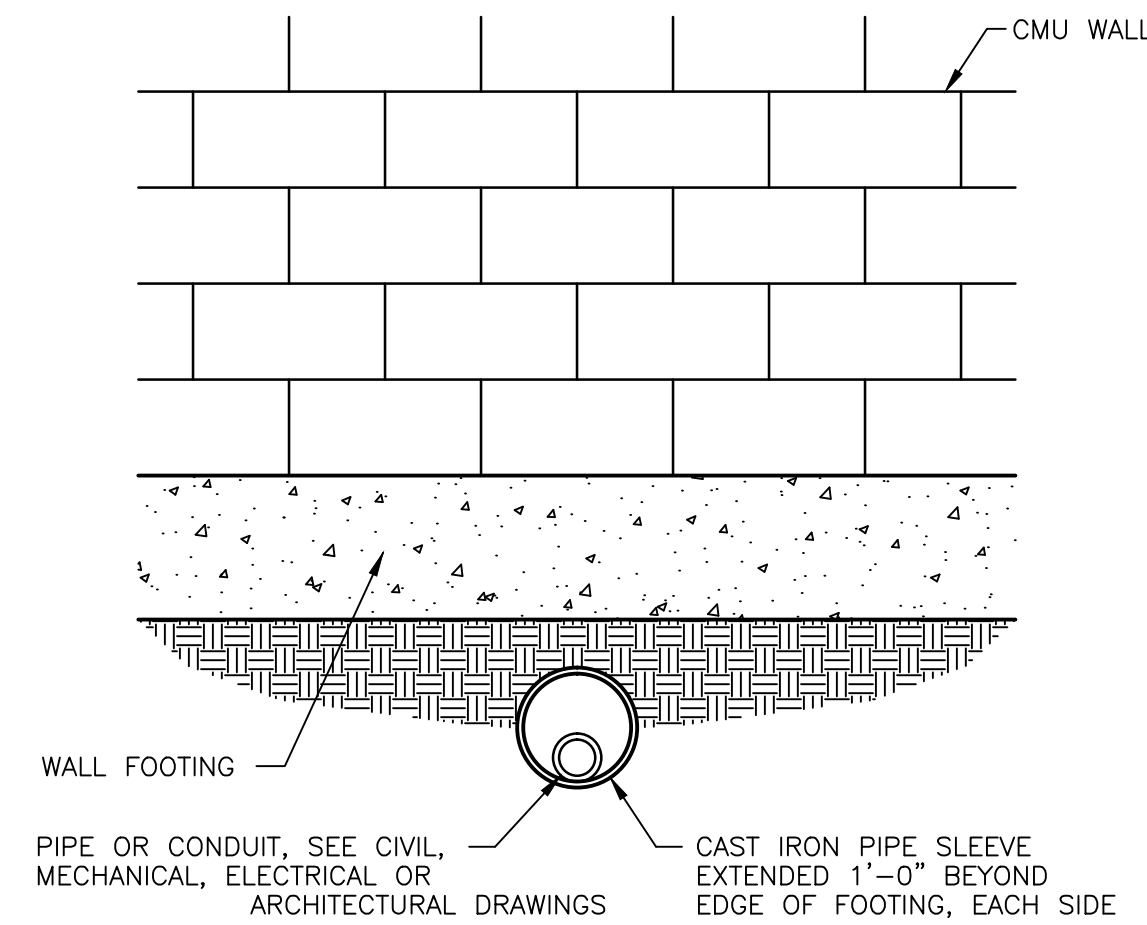
10 GENERATOR PAD & RETAINING WALL SECTION
 S3.0 SCALE: 3/4" = 1'-0"

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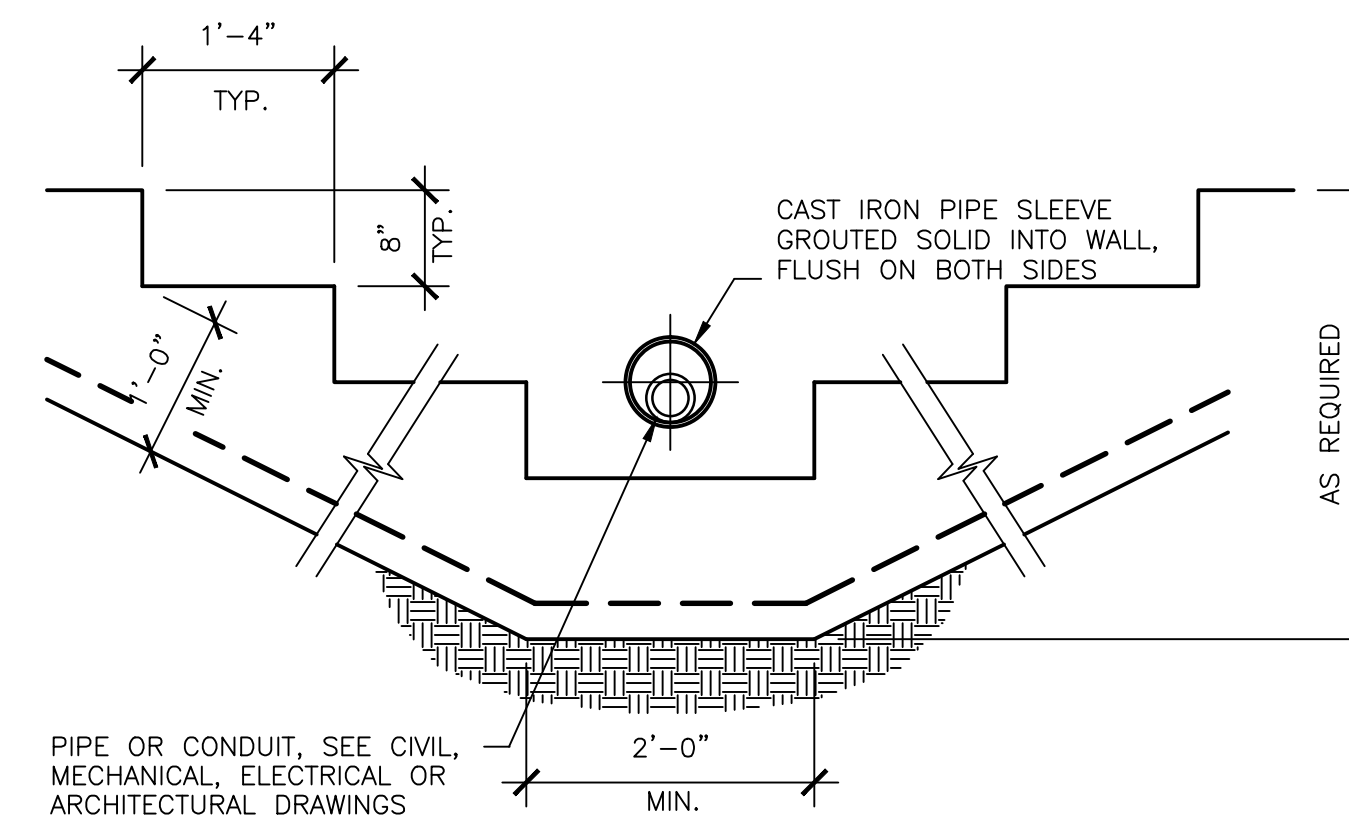
S = STEP DIMENSION (0'-8" MIN., 1'-4" MAX.)
T = FTG. THICKNESS SEE SCHEDULE

1 STEP FOOTING DETAIL
S3.1 SCALE: 3/4" = 1'-0"



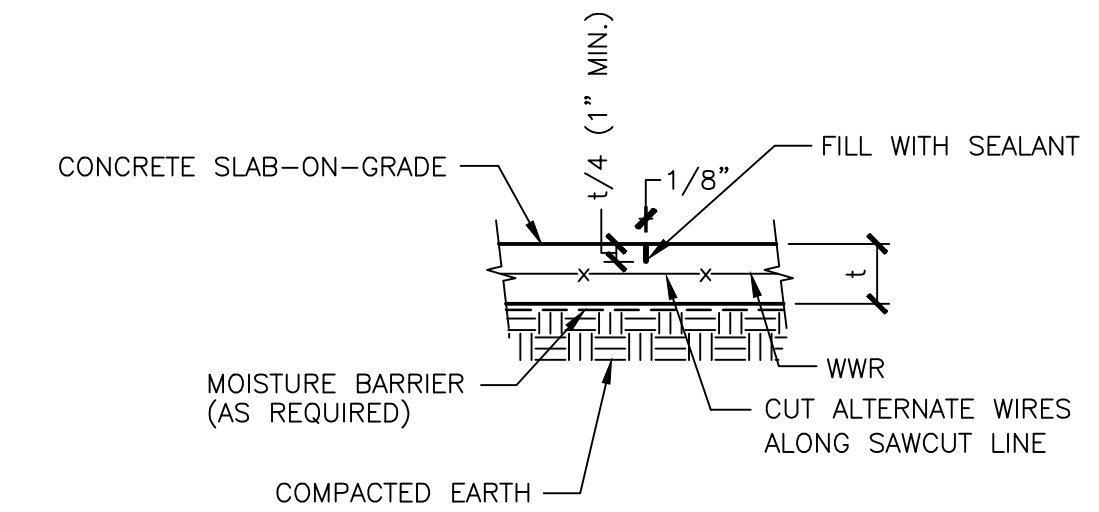
CONTRACTOR SHALL USE THIS DETAIL WHERE PIPE OR CONDUIT MUST PASS BELOW A WALL FOOTING.

2 PIPE UNDER FOOTING DETAIL
S3.1 SCALE: 3/4" = 1'-0"



CONTRACTOR SHALL USE THIS DETAIL TO STEP FOOTINGS AS REQUIRED TO RESOLVE UNFORSEEN CONFLICTS WITH UNDERGROUND PIPES OR CONDUITS

3 PIPE CONFLICT AT FOOTING DETAIL
S3.1 SCALE: 3/4" = 1'-0"

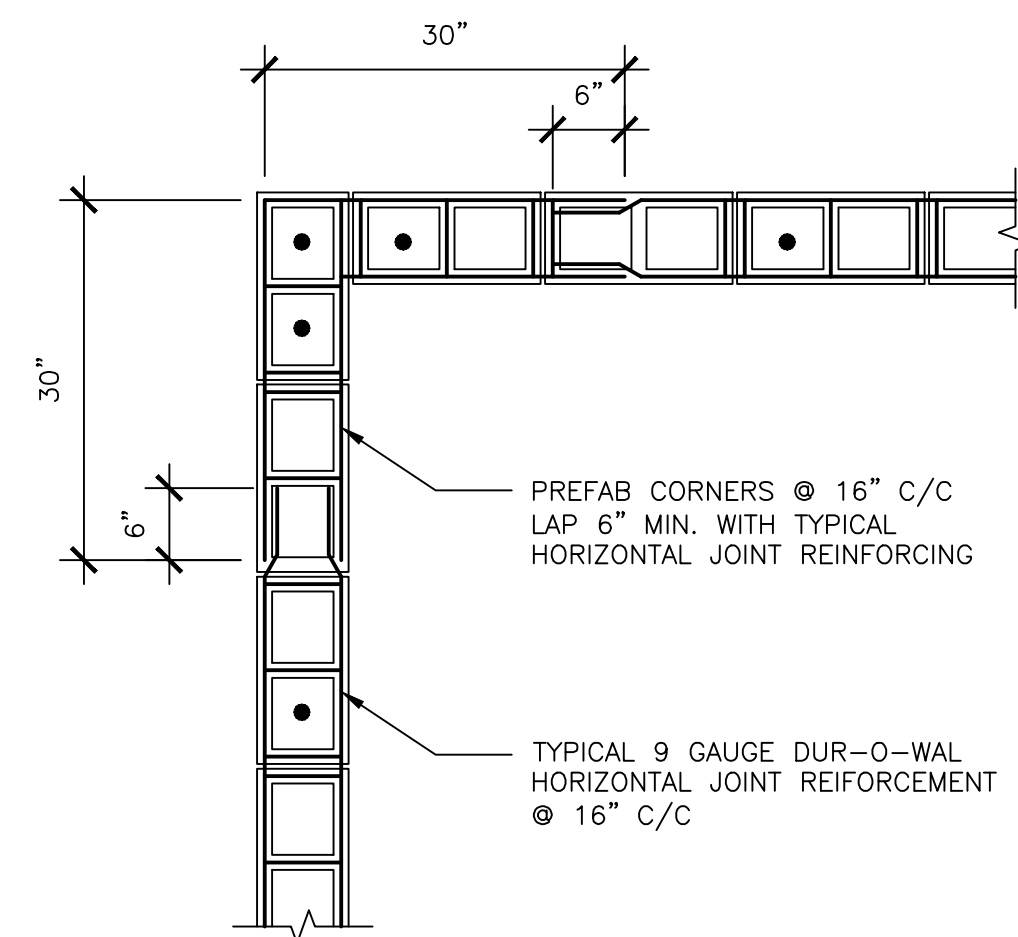


NOTE: MAKE CONTRACTION JOINTS IN SLABS ON GRADE BY SAWING A CONTINUOUS CUT IN THE TOP OF SLAB.

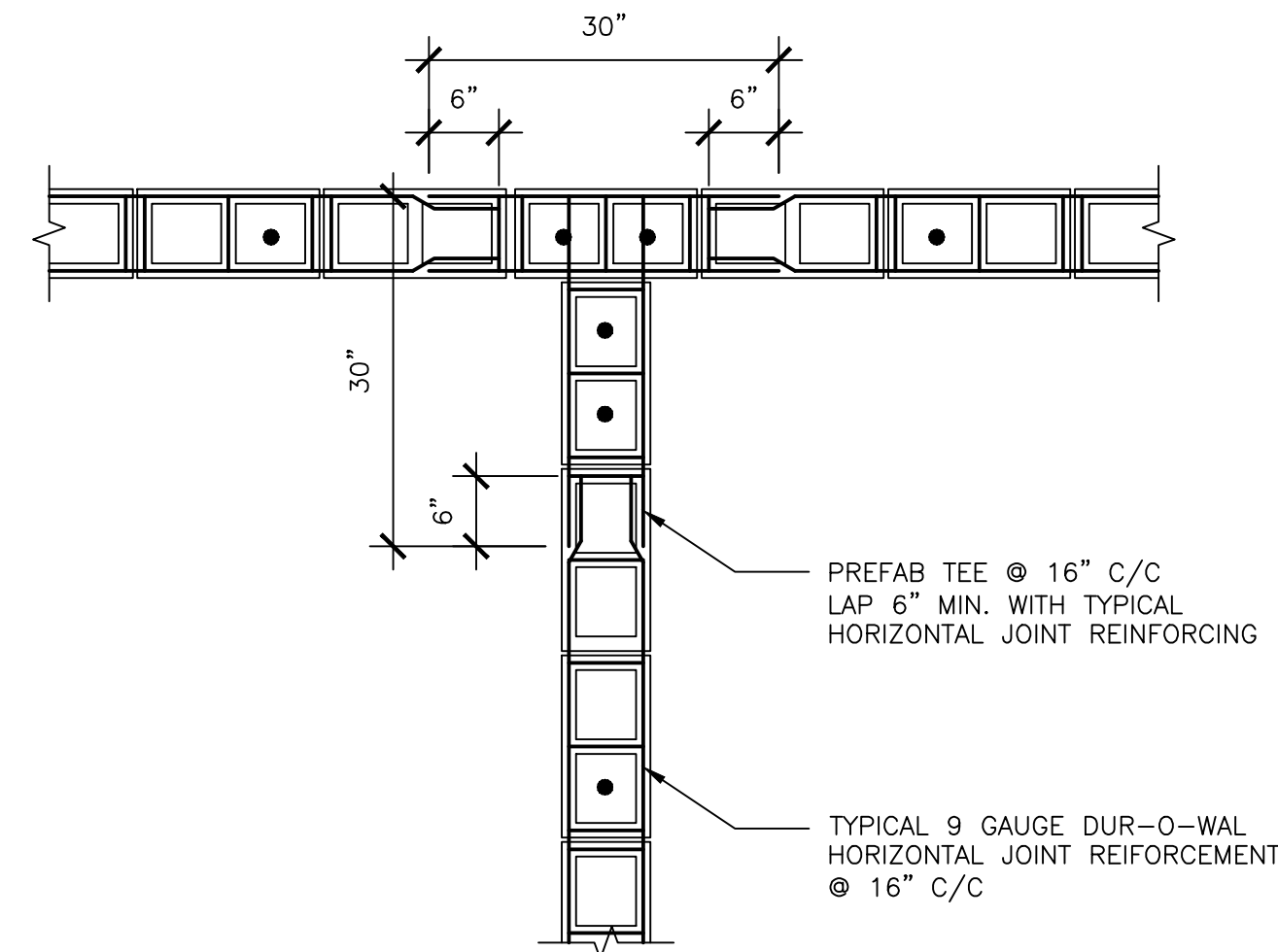
MAXIMUM SPACING OF CONTRACTION JOINTS IN FEET			
SLAB THICKNESS, INCHES	MAXIMUM-SIZE AGGREGATE LESS THAN 3/4 INCHES	MAXIMUM-SIZE AGGREGATE 3/4 INCHES AND LARGER	SLUMP LESS THAN 4 INCHES *
4	8	10	12
5	10	13	15
-	-	-	-

* 3/4 INCHES AND LARGER MAXIMUM SIZE AGGREGATE

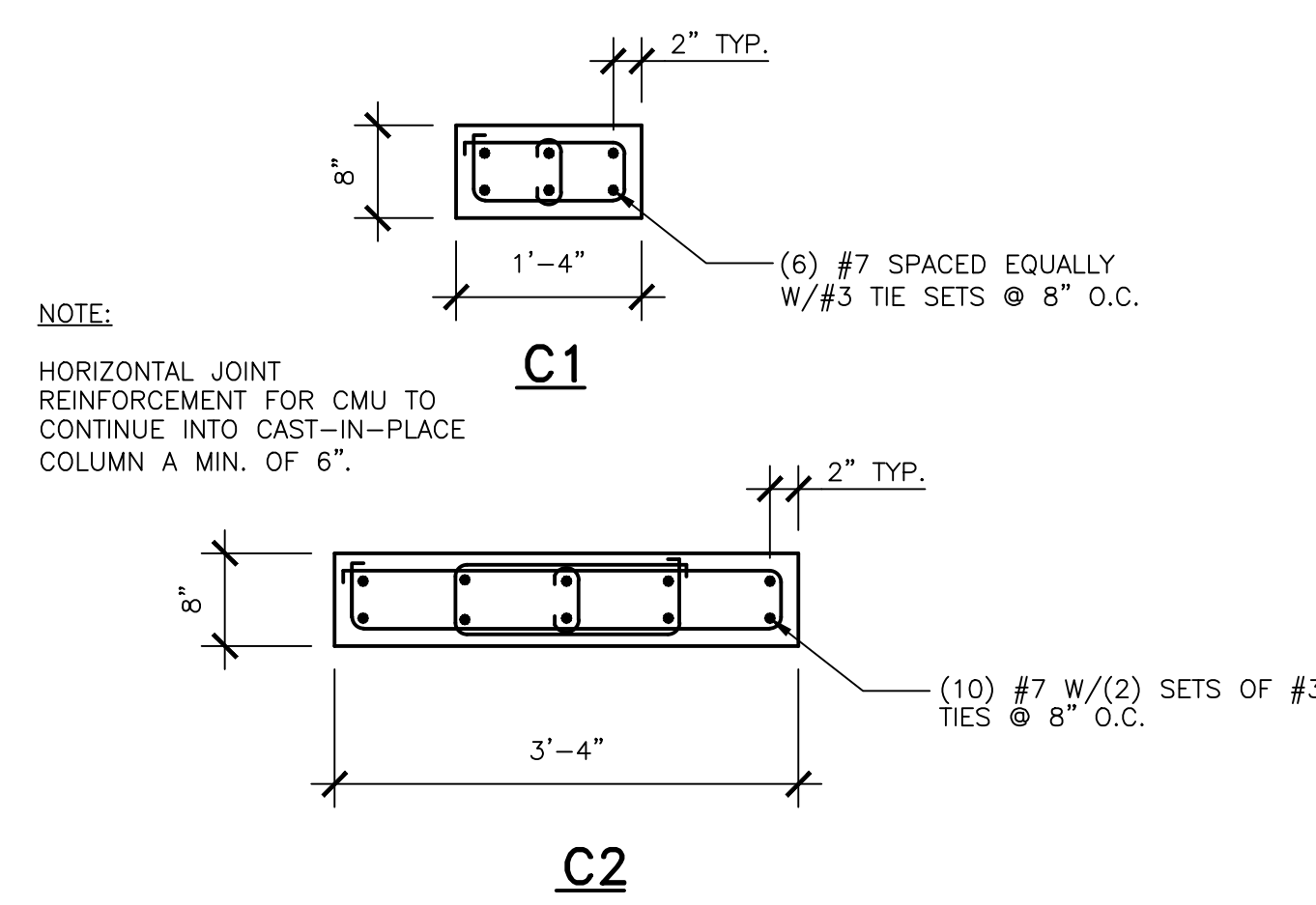
4 CONTRACTION JOINT DETAIL
S3.1 SCALE: 1/4" = 1'-0"



5 TYP. CORNER REINFORCING DETAIL
S3.1 SCALE: 3/4" = 1'-0"

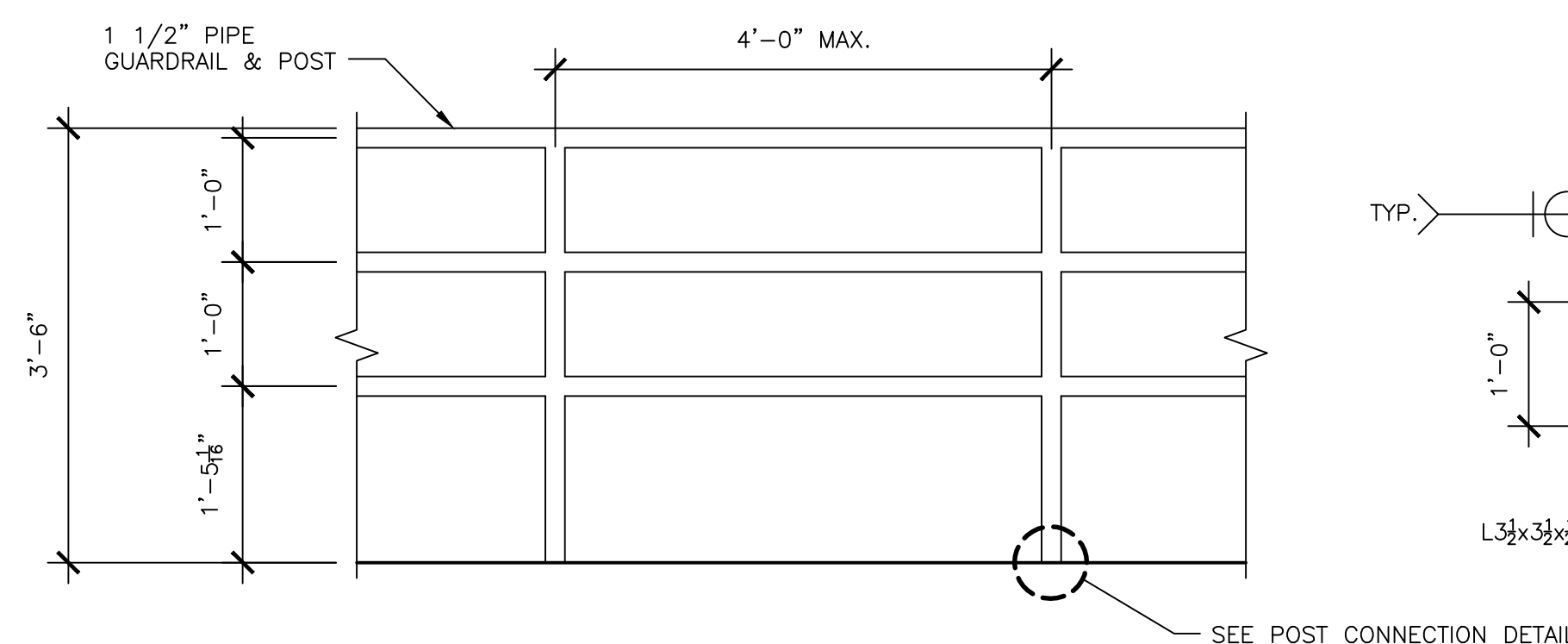


6 TYP. INTERSECTION REINFORCING DETAIL
S3.1 SCALE: 3/4" = 1'-0"

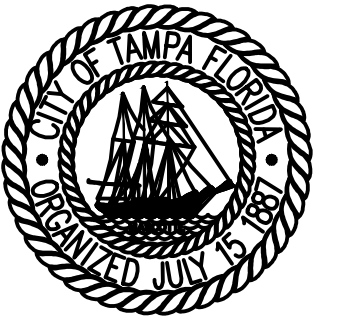


NOTE: HORIZONTAL JOINT REINFORCEMENT FOR CMU TO CONTINUE INTO CAST-IN-PLACE COLUMN A MIN. OF 6".

7 CONCRETE COLUMN DETAILS
S3.1 SCALE: 3/4" = 1'-0"



8 GAURDRAIL POST CONNECTION DETAIL
S3.1 SCALE: 3/4" = 1'-0"



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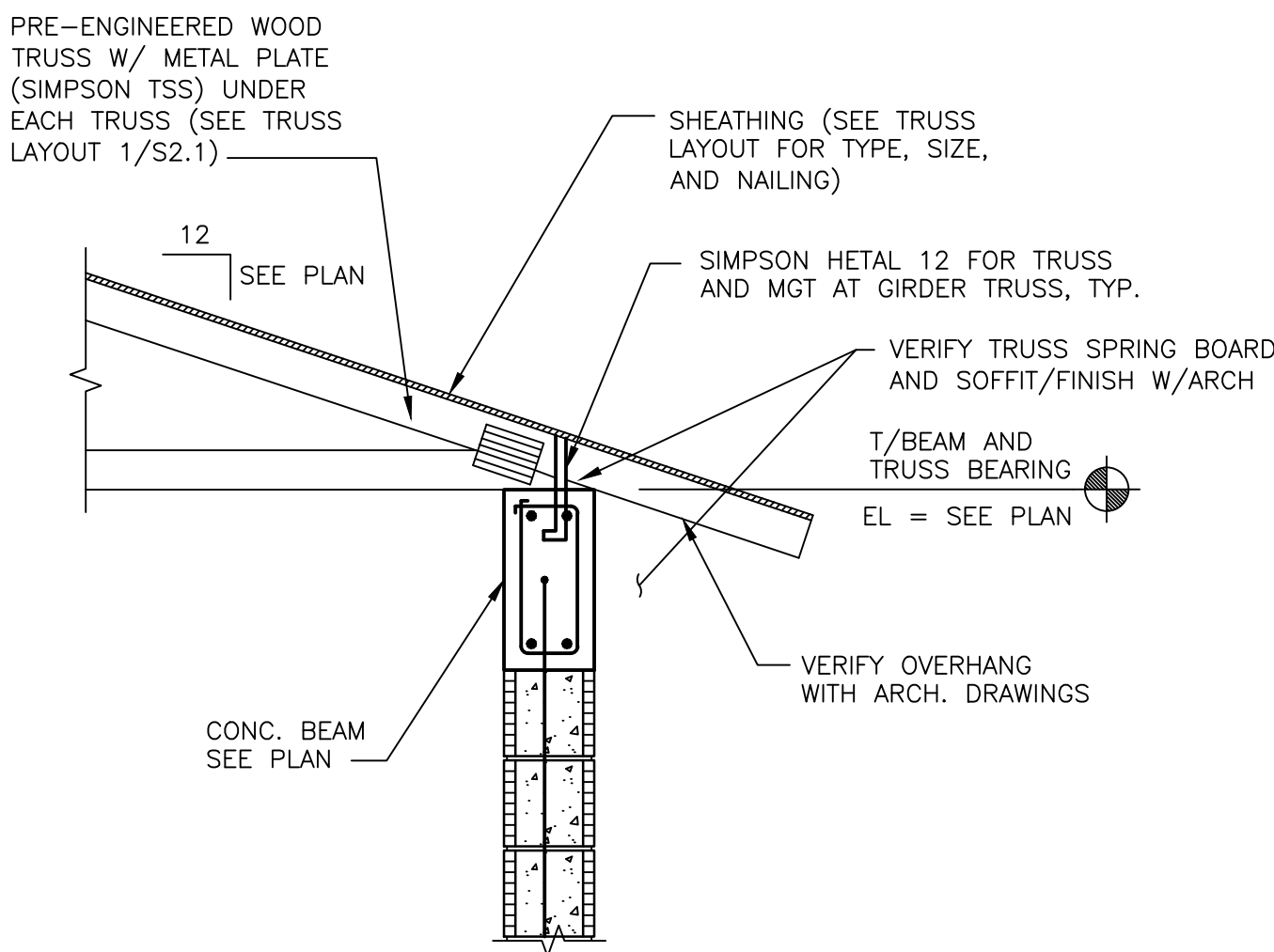
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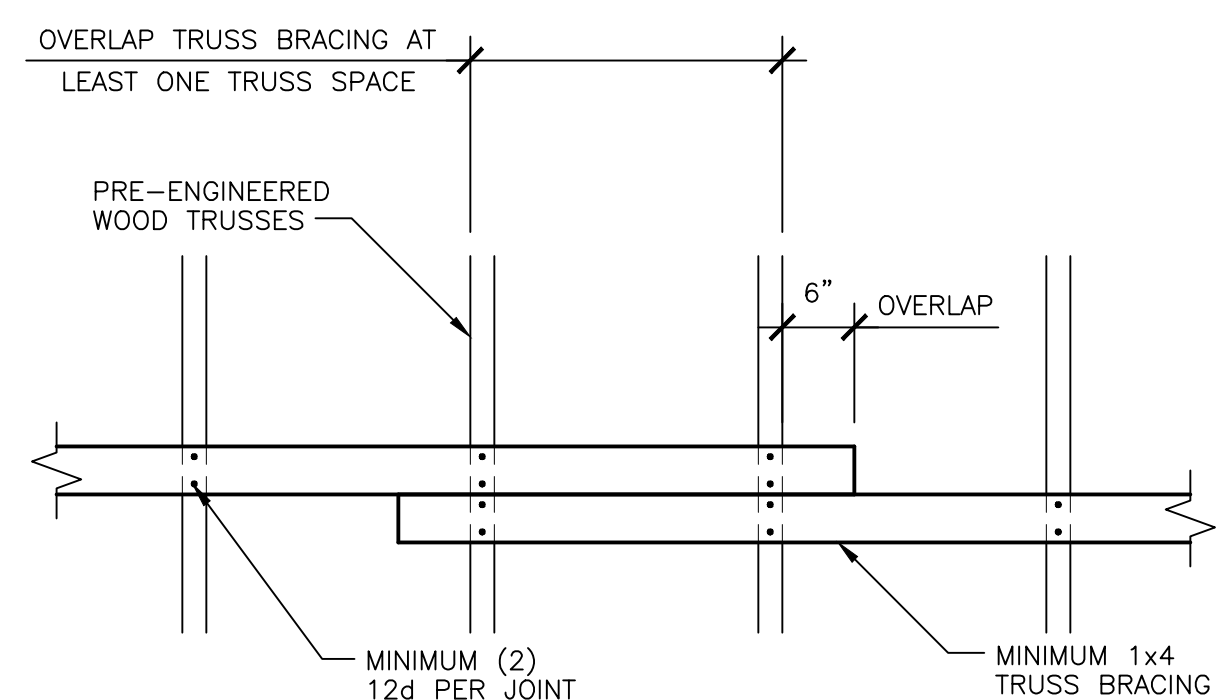
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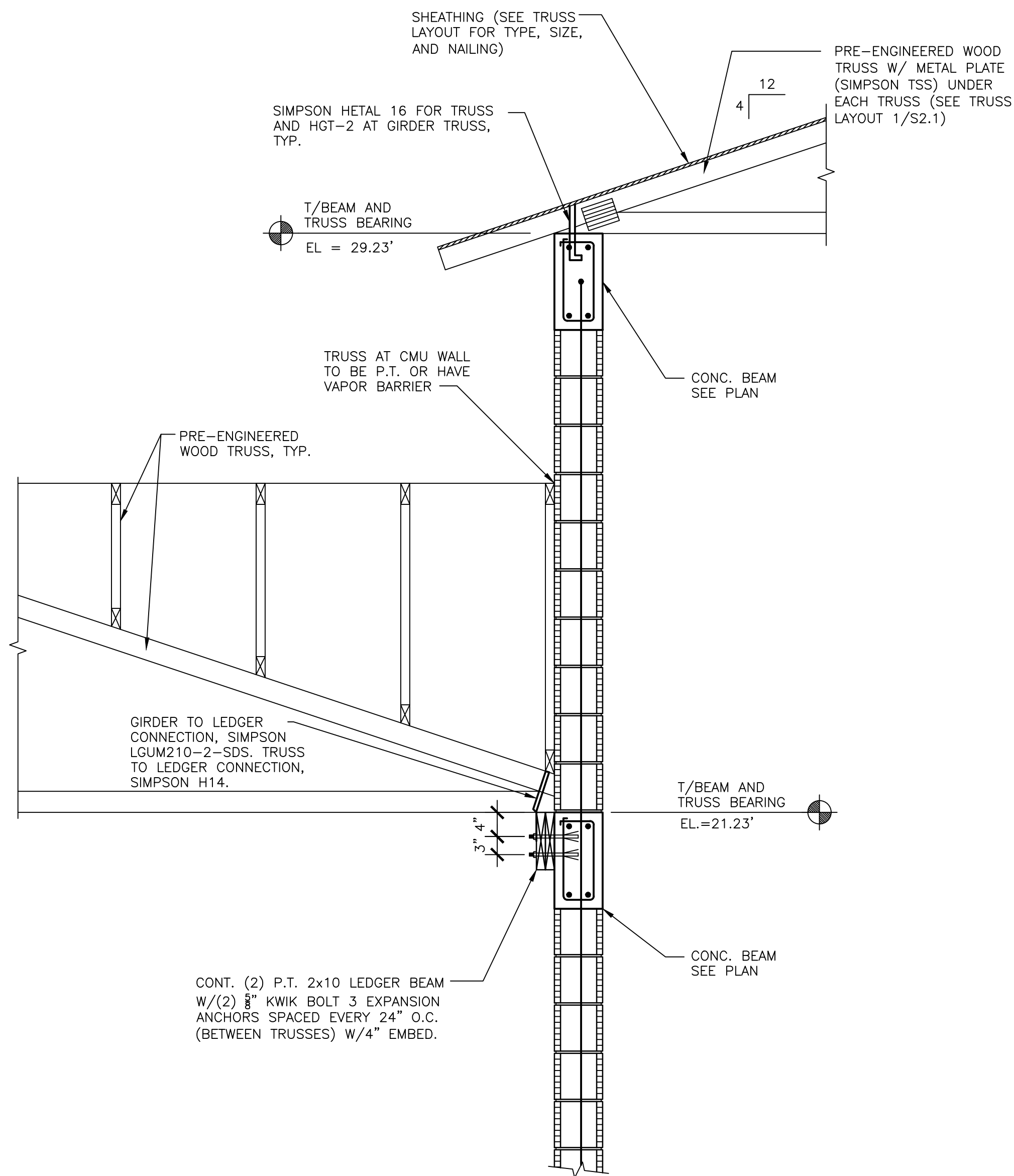
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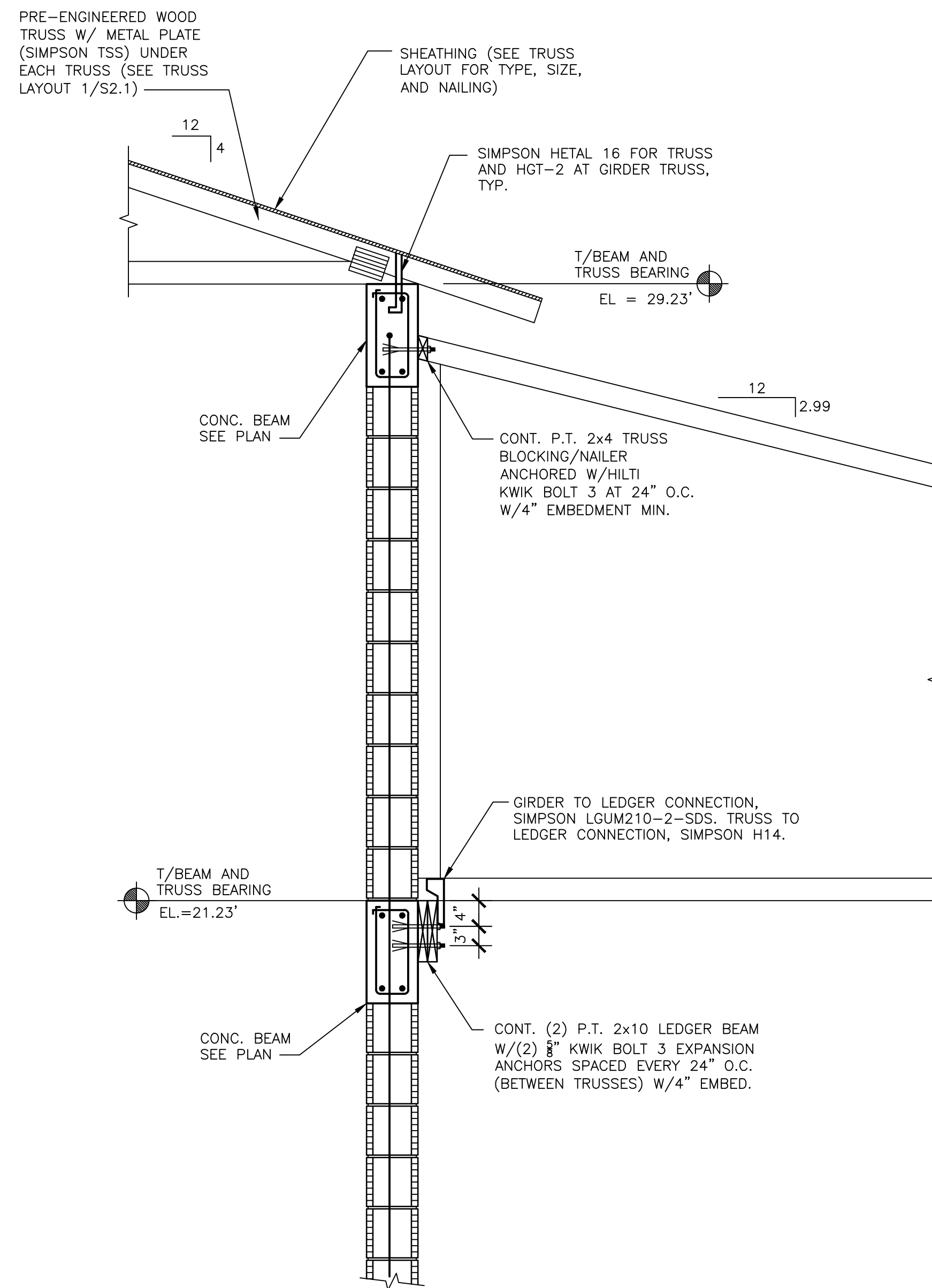
1 WALL SECTION
S3.2 SCALE: 3/4" = 1'-0"



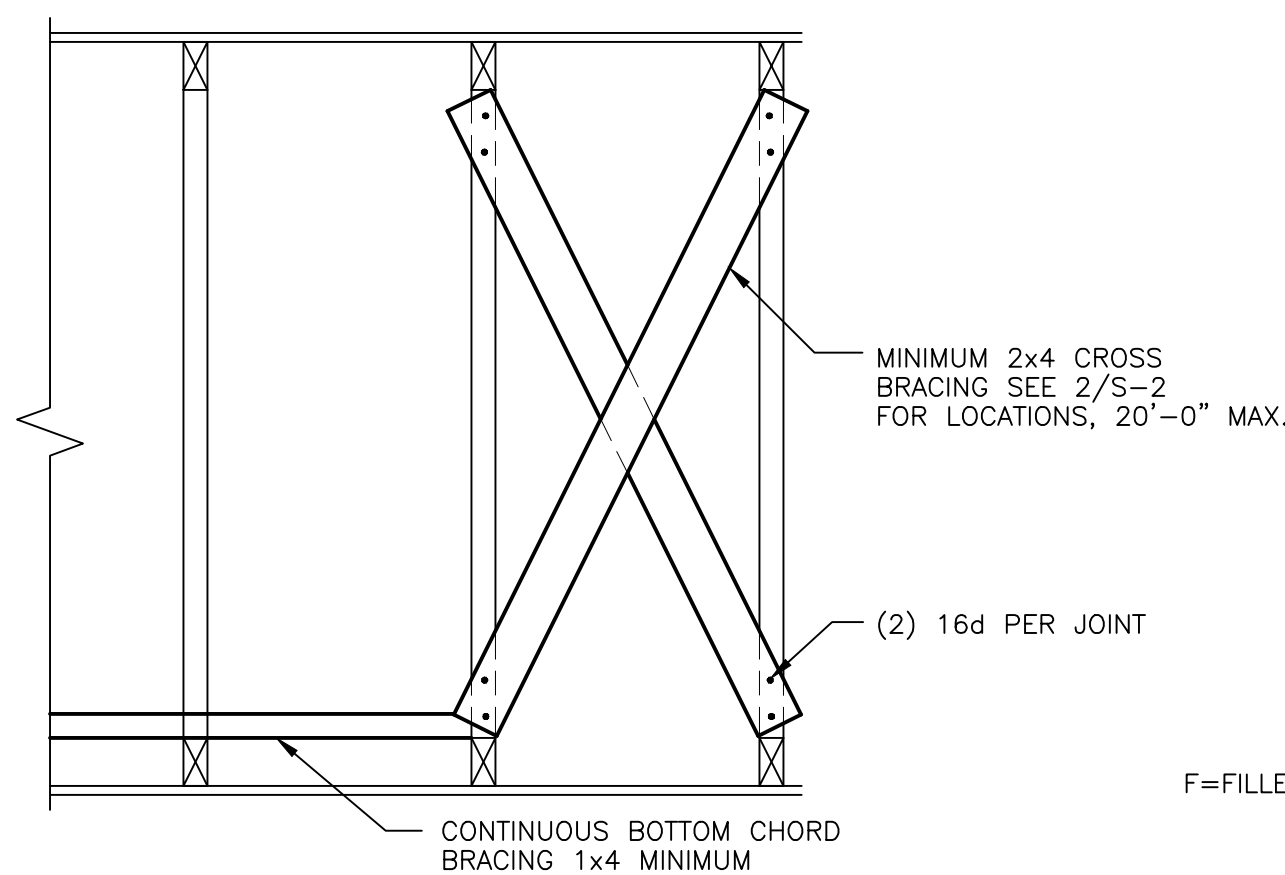
4 TRUSS BRACING OVERLAP DETAIL
S3.2 SCALE: 3/4" = 1'-0"



2 WALL SECTION
S3.2 SCALE: 3/4" = 1'-0"



3 WALL SECTION
S3.2 SCALE: 3/4" = 1'-0"



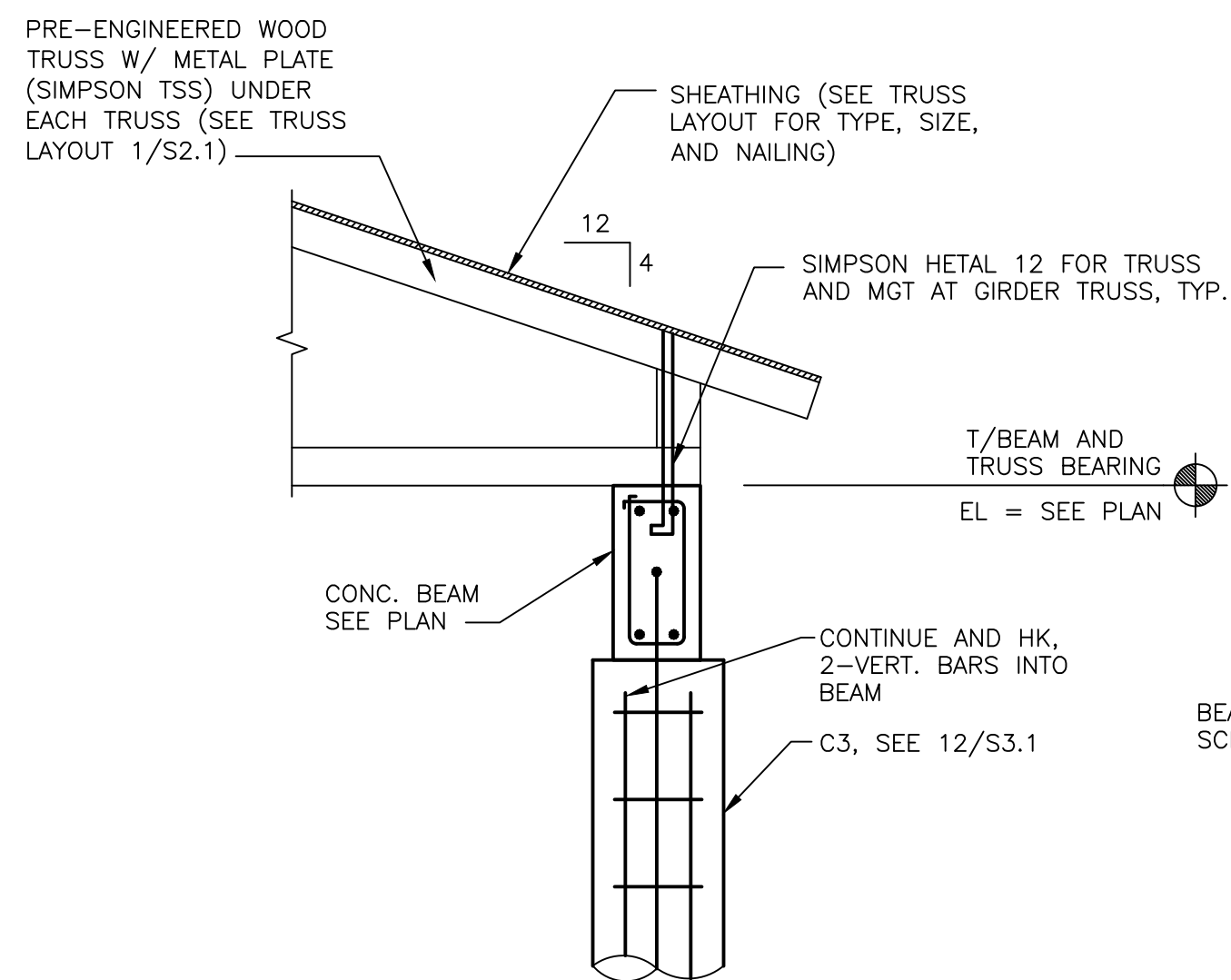
5 CROSS BRACING DETAIL
S3.2 SCALE: 3/4" = 1'-0"

PRECAST LINTEL SCHEDULE			
PROVIDE CAST CRETE PRECAST LINTELS FOR OPENINGS IN MASONRY AS INDICATED IN TABLE BELOW. FLORIDA BUILDING COMMISSION PRODUCT APPROVAL #FL 158			
MARK	MINIMUM BEARING	LINTEL TYPE	NOTES
L1	4"	8F8-1B	SEE PLAN
-	-	-	-

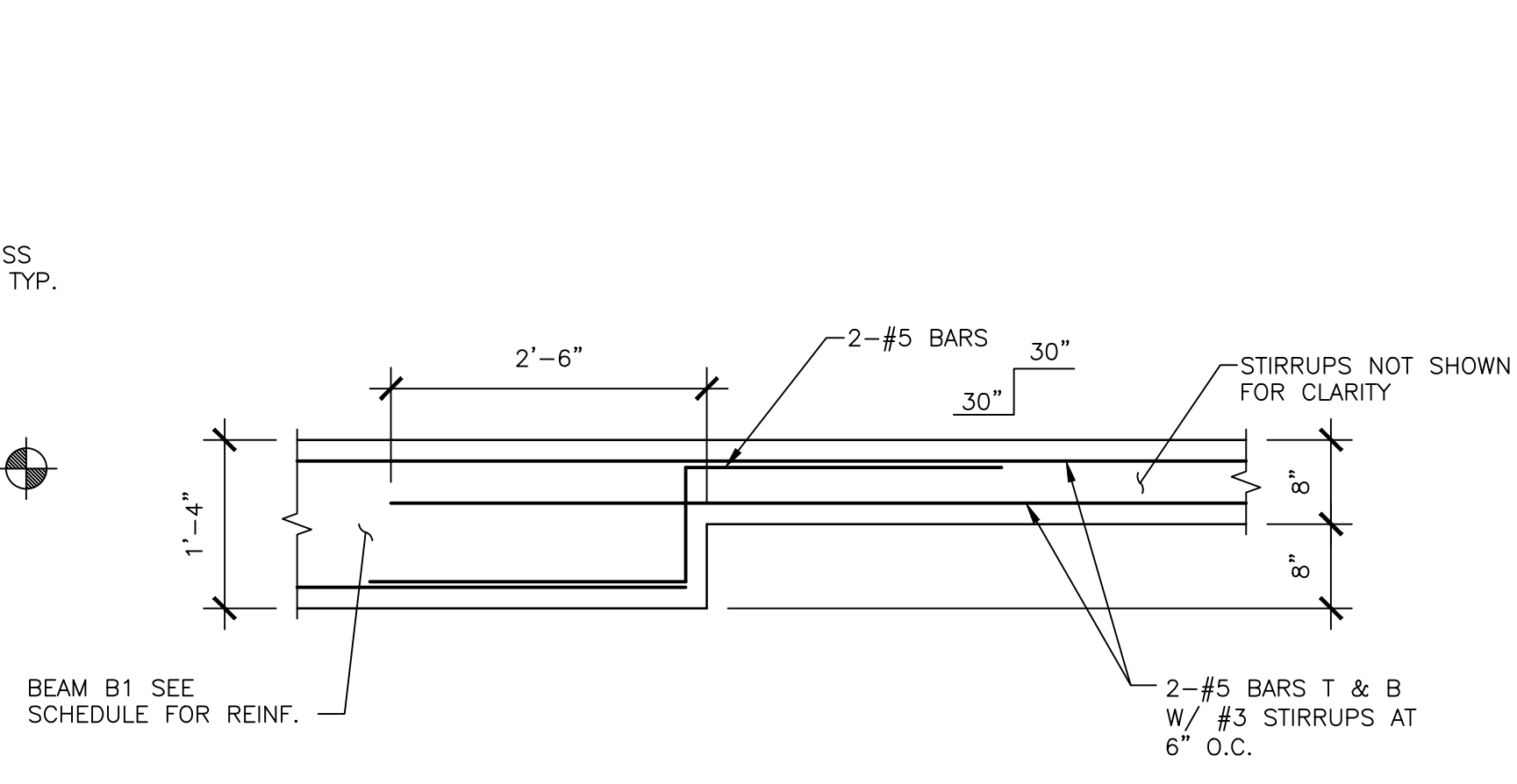
NOMINAL HEIGHT
NOMINAL WIDTH 8 F 16 - 1B / 1T
F=FILLED WITH GROUT/U=FILLED
QUANTITY OF #5 BAR AT BOTTOM OF CAVITY
QUANTITY OF #5 BAR AT TOP

LINTEL TYPE DESIGNATION

6 PRECAST LINTEL SCHEDULE
S3.2 SCALE: N.T.S.



7 SECTION
S3.2 SCALE: 3/4" = 1'-0"



8 BOND BEAM STEP DETAIL
S3.2 SCALE: 3/4" = 1'-0"



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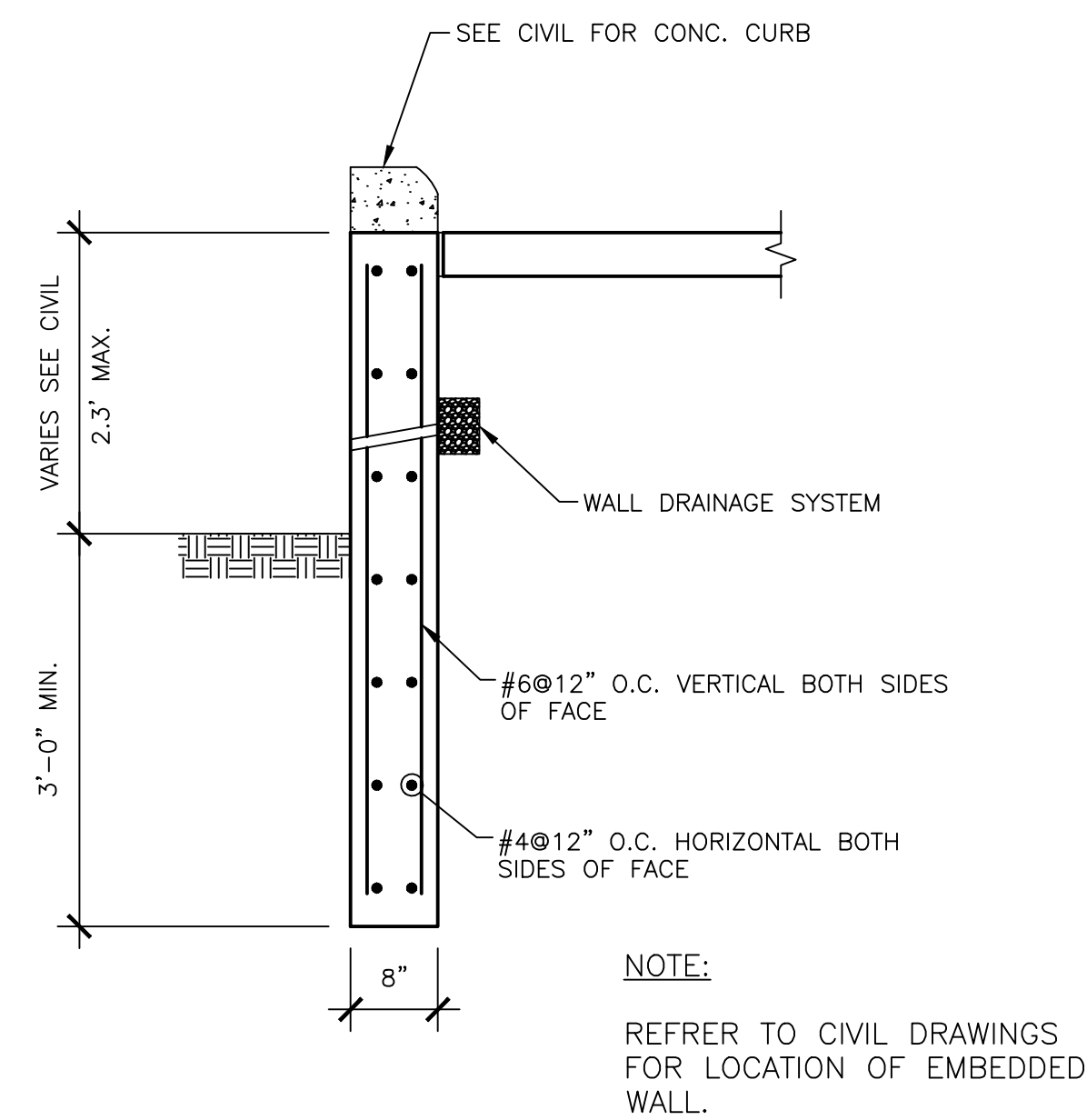
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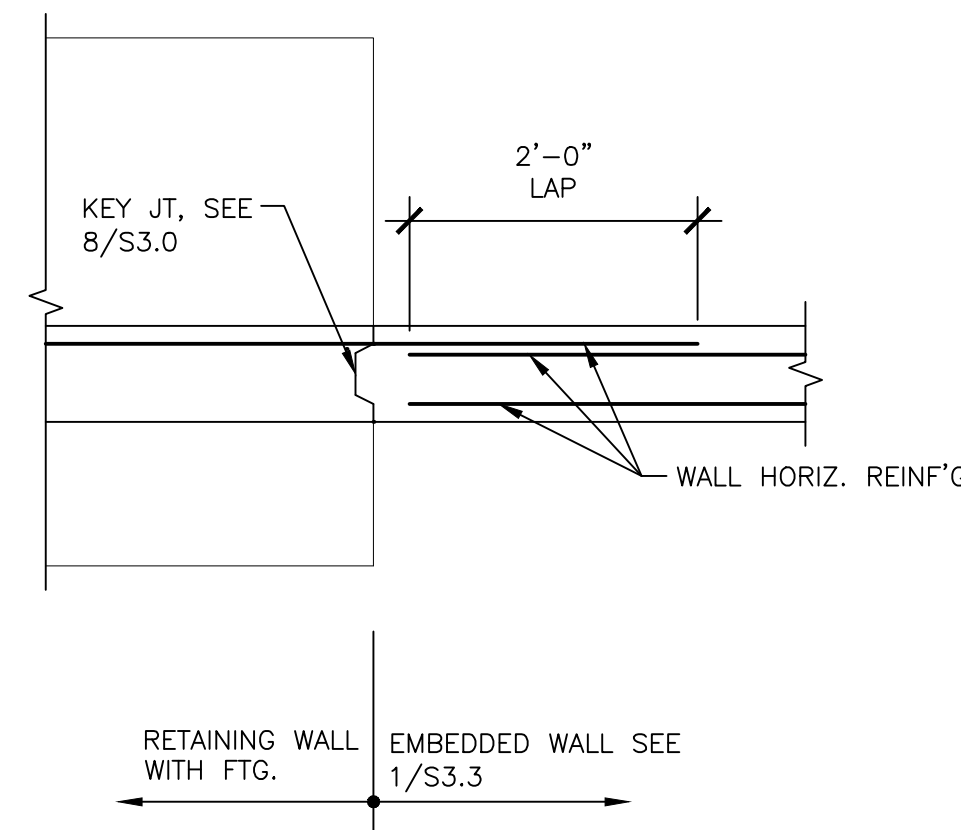
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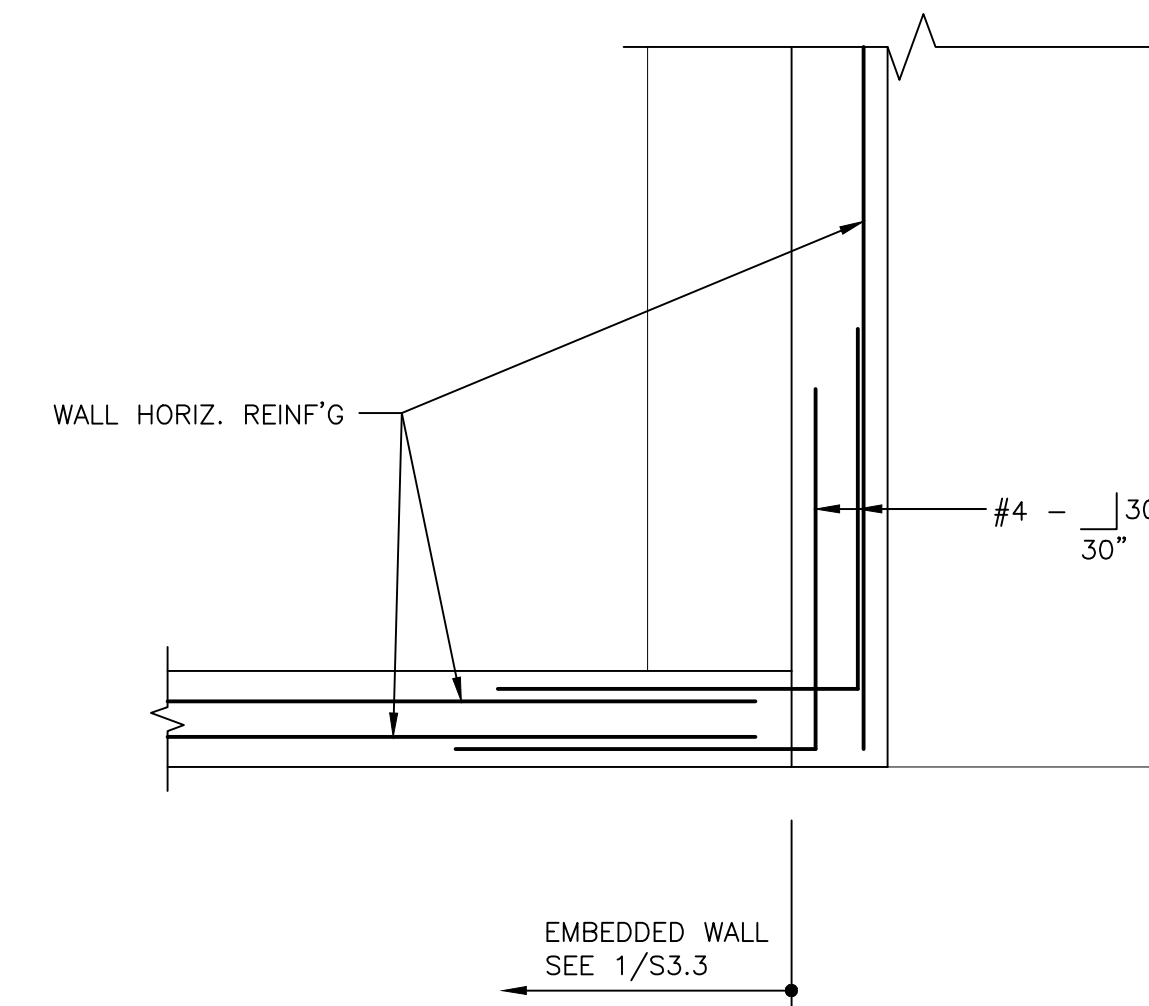
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1 EMBEDDED RETAINING WALL SECTION
 S3.3 SCALE: 3/4" = 1'-0"



2 WALL CONNECTION DETAIL
 S3.3 SCALE: 3/4" = 1'-0"



3 WALL CONNECTION DETAIL
 S3.3 SCALE: 3/4" = 1'-0"



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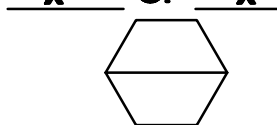
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SCALE: VARIES

SHEET NUMBER

A-1.1

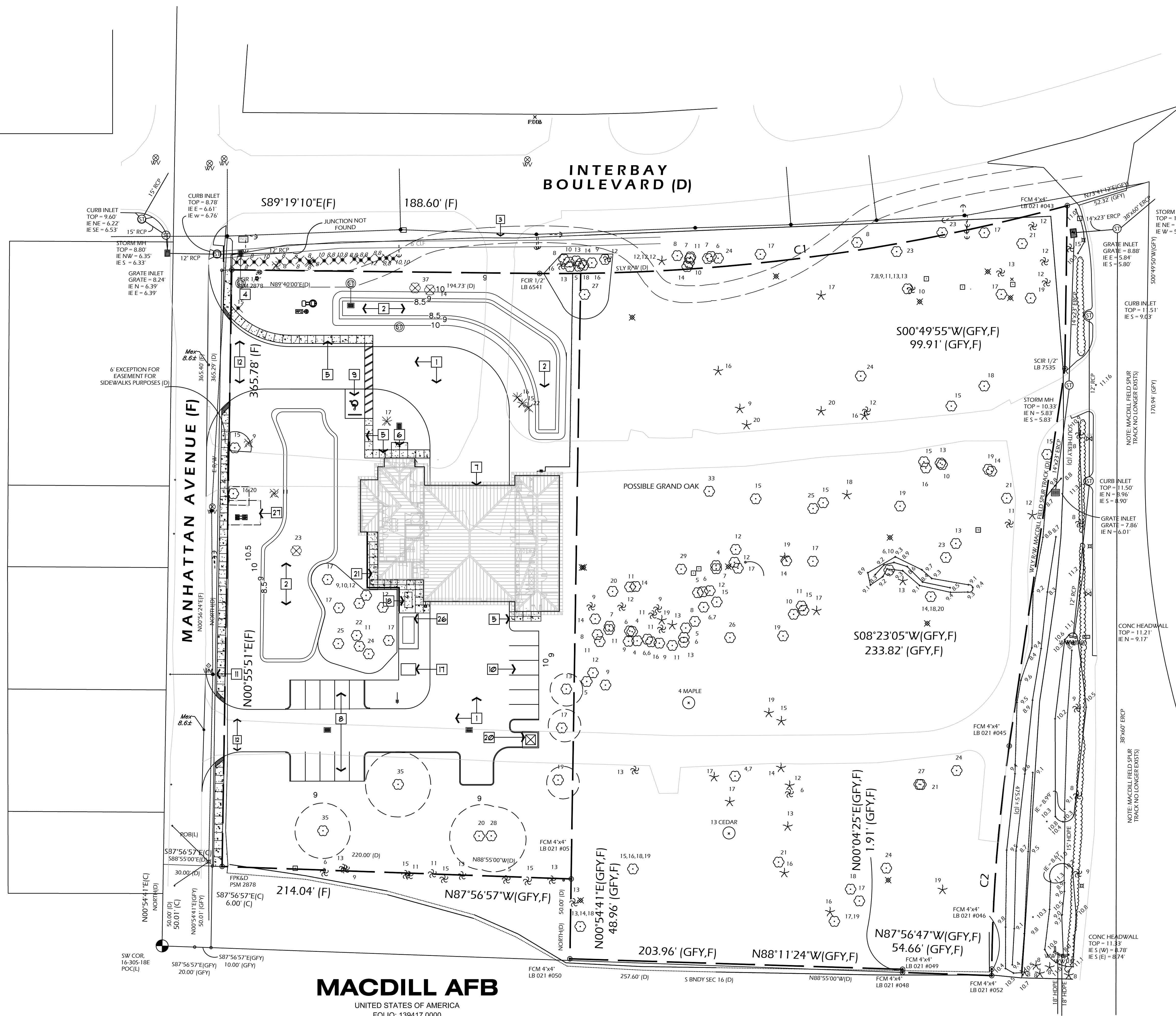
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GENERAL NOTES

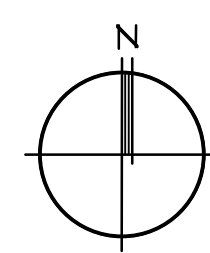
KEY NOTES

- 1 CONCRETE APRON WITH EXPANSION JOINTS AS SHOWN, INDICATING PANELS. SEE PANEL DETAIL SHEET A-2.1
- 2 STORMWATER SYSTEM OF PONDS AND SWALES - SEE CIVIL DRAWINGS
- 3 FUTURE TRAIL - NOT IN CONTRACT
- 4 LIFT STATION - SEE CIVIL
- 5 5'-0" SIDEWALK WITH CONTROL JOINTS AT 5'-0" O. C. AND EXPANSION JOINTS AT 25'-0" O. C. - PROVIDE MEDIUM BROOM FINISH WITH 3" SMOOTH TROWEL EDGE AND BROOM FINISH CHECKER BOARD. COORDINATE IN FIELD DURING LAYOUT WITH C.O.T. ARCHITECT.
- 6 FLAGPOLE, LOCATE IN CENTER OF 5'x10' AREA
- 7 NEW FIRE STATION
- 8 4 REGULAR SPACES. (SEE CIVIL DWGS.)
- 9 1 HANDICAP SPACE & 1 REGULAR SPACE. SEE CIVIL FOR SIZE
- 10 6 REGULAR SPACES. (SEE CIVIL DWGS.)
- 11 EXISTING FIRE HYDRANT. (SEE CIVIL DRAWINGS FOR EXACT LOCATION)
- 12 ACCESS DRIVE - SEE CIVIL DRAWINGS
- 13 WATER SERVICE CONNECTION LOCATION - 15' x 20' CLEAR - SEE CIVIL DRAWINGS
- 14 POWER TRANSFORMER - SEE CIVIL AND ELECTRICAL DRAWINGS
- 15 PROPERTY LINE
- 16 SITE NOT INCLUDED IN WORK
- 17 L.P. TANK FOR EMERGENCY GENERATOR
- 18 HVAC CHILLER - SEE MECHANICAL DWGS.
- 19 TREES TO BE REMOVED - SEE CIVIL AND LANDSCAPE DWGS. FOR INFORMATION
- 20 DUMPSTER - SEE CIVIL DWGS.
- 21 6'-0" SIDEWALK AND 5'-0" SIDEWALK ALONG WEST SIDE, PROVIDE CONTROL JOINTS AT 5'-0" O.C. AND EXPANSION JOINTS AT 25'-0" O.C. - VERIFY IN FIELD FOR EXACT LOCATIONS
- 22 GRAND TREE TO BE PROTECTED AT ALL TIMES.
- 23 SITE LIGHTING - SEE ELECTRICAL DWGS.
- 24 EXISTING TREES ON SITE TO REMAIN
- 25 10" THICK CONCRETE APRON, COORDINATE WITH CIVIL DWGS.
- 26 EMERGENCY GENERATOR
- 27 WATER METER ASSEMBLY AND GREEN AREA

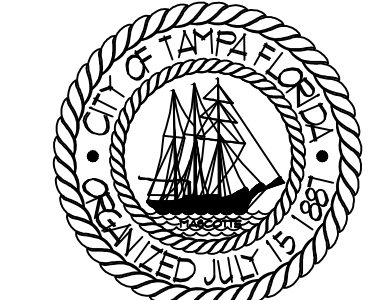


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ARCHITECTURAL SITE PLAN
 SCALE 1" = 30'



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FIRE STATION 19
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 TAMPA, FLORIDA

DPW FILE NUMBER

DPW NUMBER
8038

ISSUE DATE
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DRAWN BY
KINSEY TILLMAN

REVISIONS

SCALE

SCALE: VARIES

SHEET NUMBER
A-21

X OF X

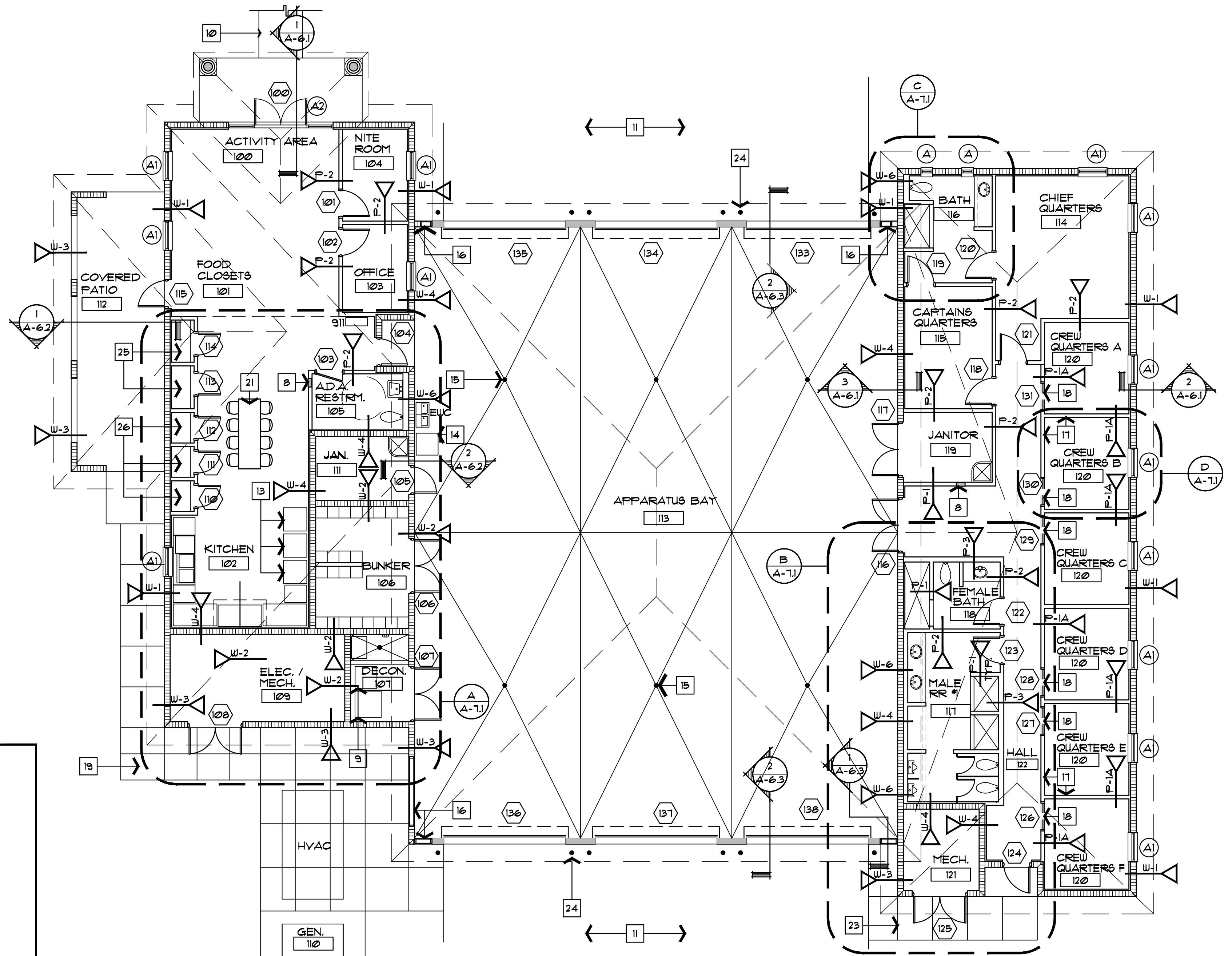
GENERAL NOTES

1. ALL WINDOWS TO RECEIVE HORIZONTAL BLINDS - SEE SPECIFICATIONS FOR REQUIREMENTS

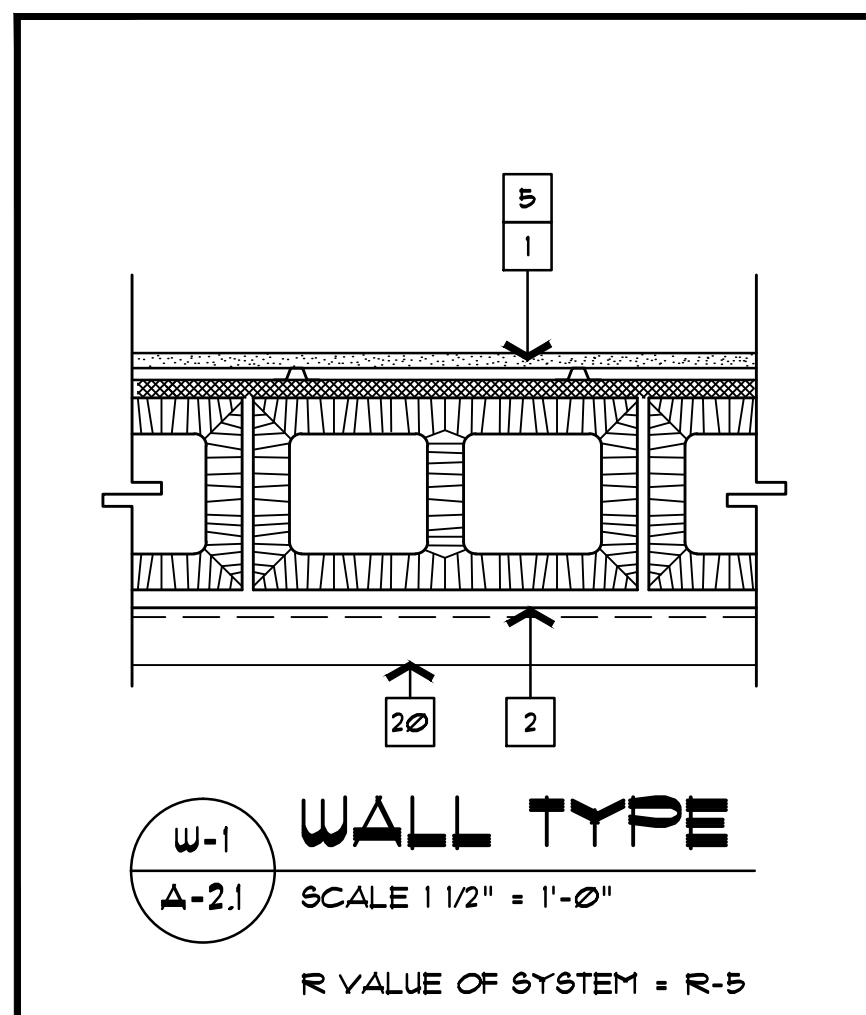
KEY NOTES

- 5/8" GYPSUM BOARD ON 3/4" FURRING CHANNELS OVER 3/4" RIGID INSULATION AND 8" CMU
- 3/4" CEMENT FLASTER WITH SAND FINISH
- ACOUSTICAL BATT INSULATION
- EXPOSED 8" CMU, PROVIDE FLUSH JOINTS, PAINTED
- 5/8" GYPSUM BOARD PROVIDE 5/8" MOISTURE RESISTANT GYPSUM BOARD IN ALL RESTROOMS, JANITOR CLOSET AND KITCHEN AREAS
- 3-5/8" METAL STUDS AT 16" O.C.
- 6" METAL STUDS AT 16" O.C.
- SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER
- DRYER - WASHING MACHINE ANCHORED TO FLOOR
- CONCRETE SIDEWALK - SEE CIVIL DRAWINGS & SITE PLAN FOR SCORING
- CONCRETE DRIVE - SEE CIVIL DRAWINGS
- PROVIDE 5/8" TYPE X GYPSUM BOARD FOR PARTITION TYPES P - 2A & P - 3A REFRIGERATOR
- ICE MACHINE
- FLOOR DRAIN - SEE PLUMBING PLANS
- LOUVER - SEE MECHANICAL DUGS. FOR LOCATIONS AND SIZES
- TOP OF PARTITION P-1A AT 12" AFF. PROVIDE 1" x 6" S4S OAK WOOD CAP
- CREATE DOOR JAMB BY EXTENDING 6" OF PARTITION WALL UP TO 1'-0" AFF. PROVIDE ROD AND CURTAIN TIL AS INDICATED ON TOILET ACCESSORIES. TYP. AT EACH OPENING, STIFFEN JAMBS WITH 1 2x4 STUD AND 2 METAL STUDS EACH SIDE. W/ 3'-0" OPENING
- 6" SIDEWALK & 5" SIDEWALK ALONG WEST SIDE. PROVIDE CONTROL JOINTS AT 5' O.C. & EXPANSION JOINTS AT 25' O.C. - VERIFY IN FIELD FOR EXACT LOCATIONS.
- THIN SET STONE WITH WAINSCOT CAP COORDINATE WITH EXTERIOR ELEVATIONS FOR ALL LOCATIONS
- TABLE SHOWN FOR CLARITY
- SEE ELEVATIONS AND SECTIONS FOR CEMENT FLASTER LOCATIONS
- 5' SIDEWALK WITH CONTROL JOINTS AT 5' O.C. AND EXPANSION JOINTS AT 25' O.C. PROVIDE MEDIUM BROOM FINISH WITH 3" SMOOTH TROWEL EDGE AND BROOM FINISH CHECKERBOARD. COORDINATE IN FIELD WITH CITY OF TAMPA, ARCHITECT.
- 6" DIA. CONC. FILLED PIPE BOLLARD SET IN CONC. - SEE DETAIL THIS SHIT.
- GENERAL STORAGE CLOSET - PAINTED TO MATCH SPACE
- SHIFT STORAGE CLOSET - PAINTED TO MATCH SPACE
- CONTROL JOINTS
- EXPANSION JOINTS

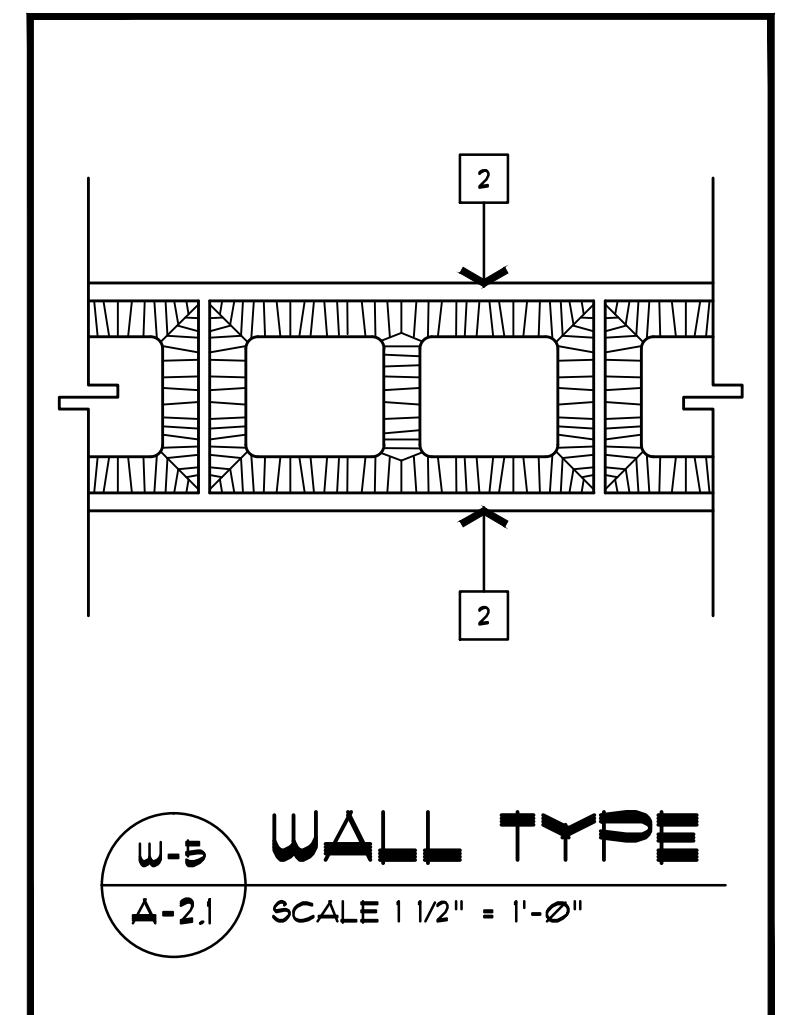
INFORMATION PLAN



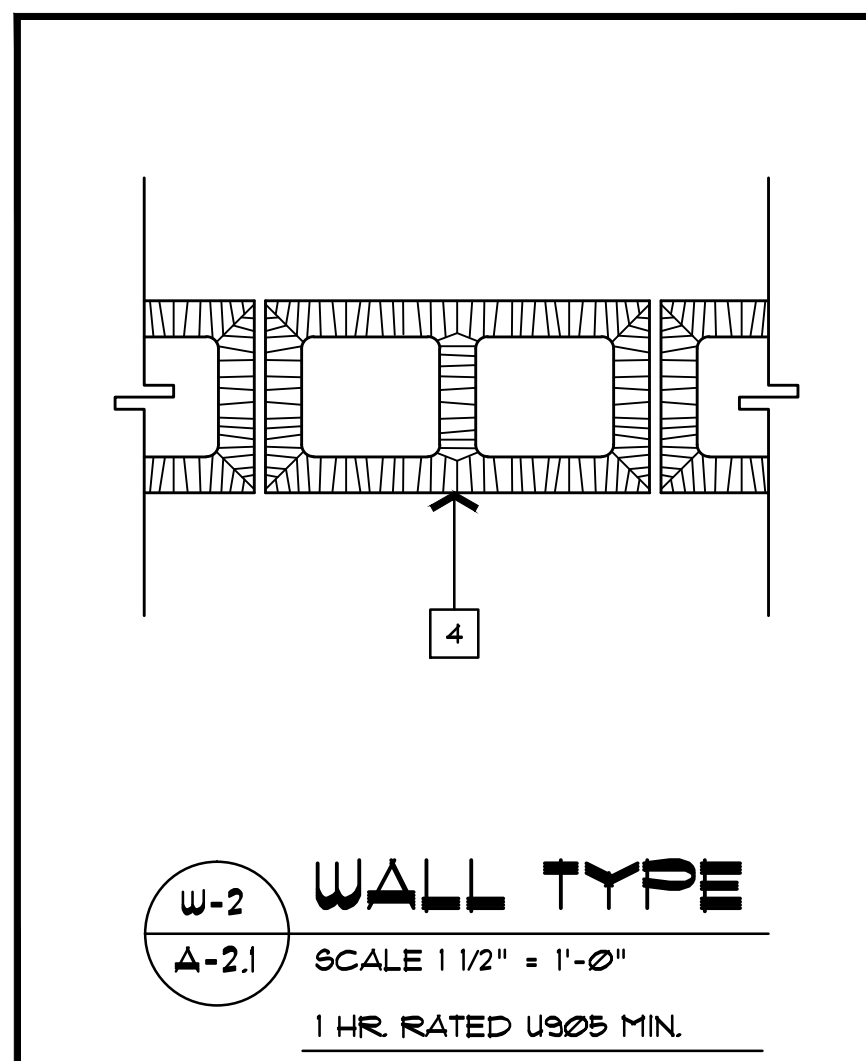
INFORMATION FLOOR PLAN
 SCALE 1/8" = 1'-0"



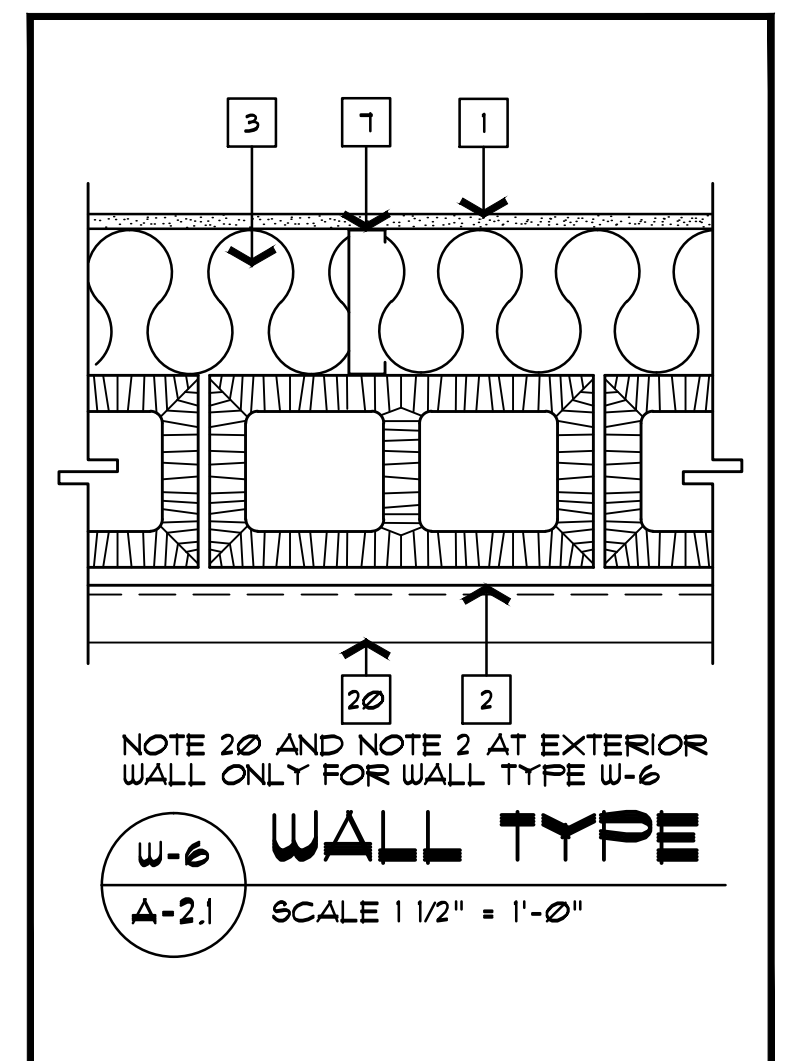
W-1 WALL TYPE
 A-2.1 SCALE 1 1/2" = 1'-0"
 R VALUE OF SYSTEM = R-5



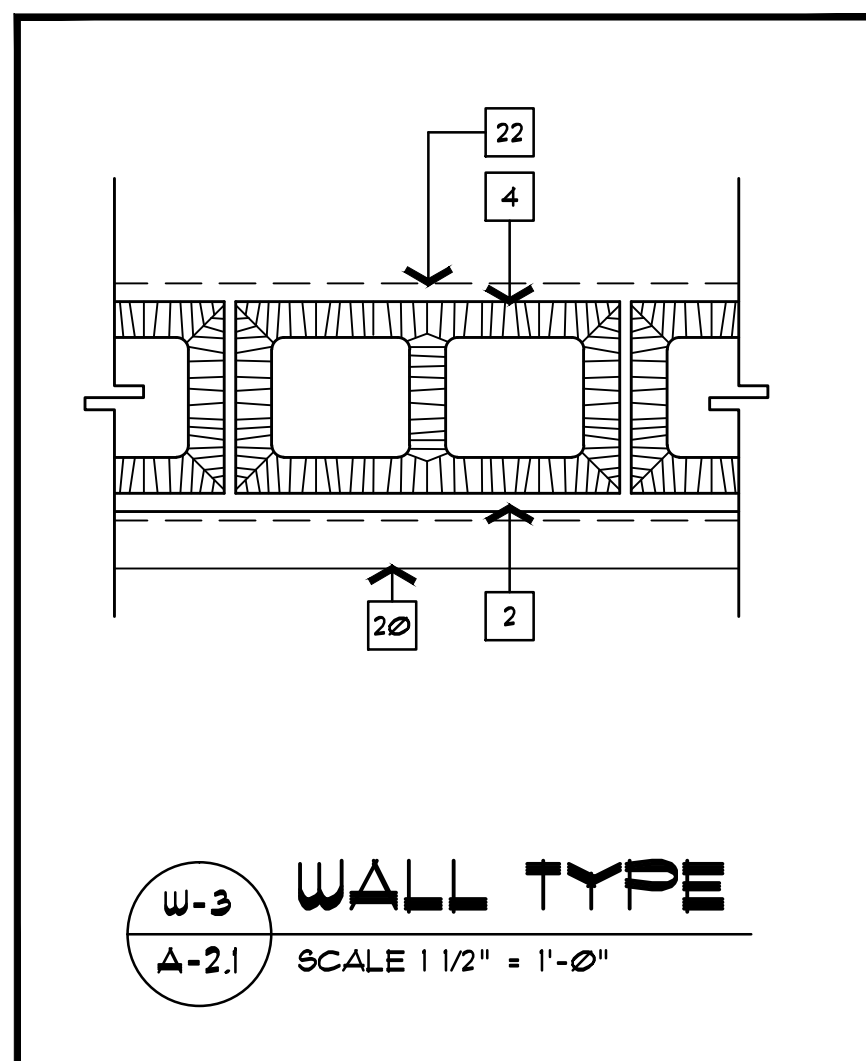
W-5 WALL TYPE
 A-2.1 SCALE 1 1/2" = 1'-0"



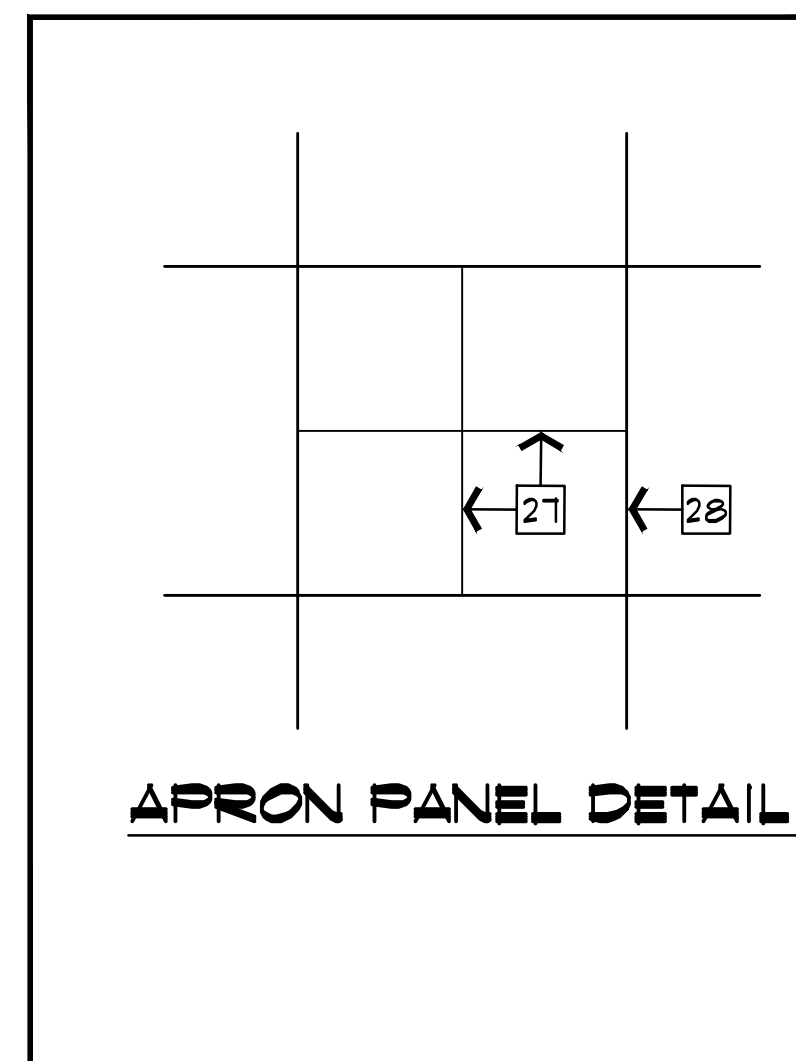
W-2 WALL TYPE
 A-2.1 SCALE 1 1/2" = 1'-0"
 1 HR. RATED U925 MIN.



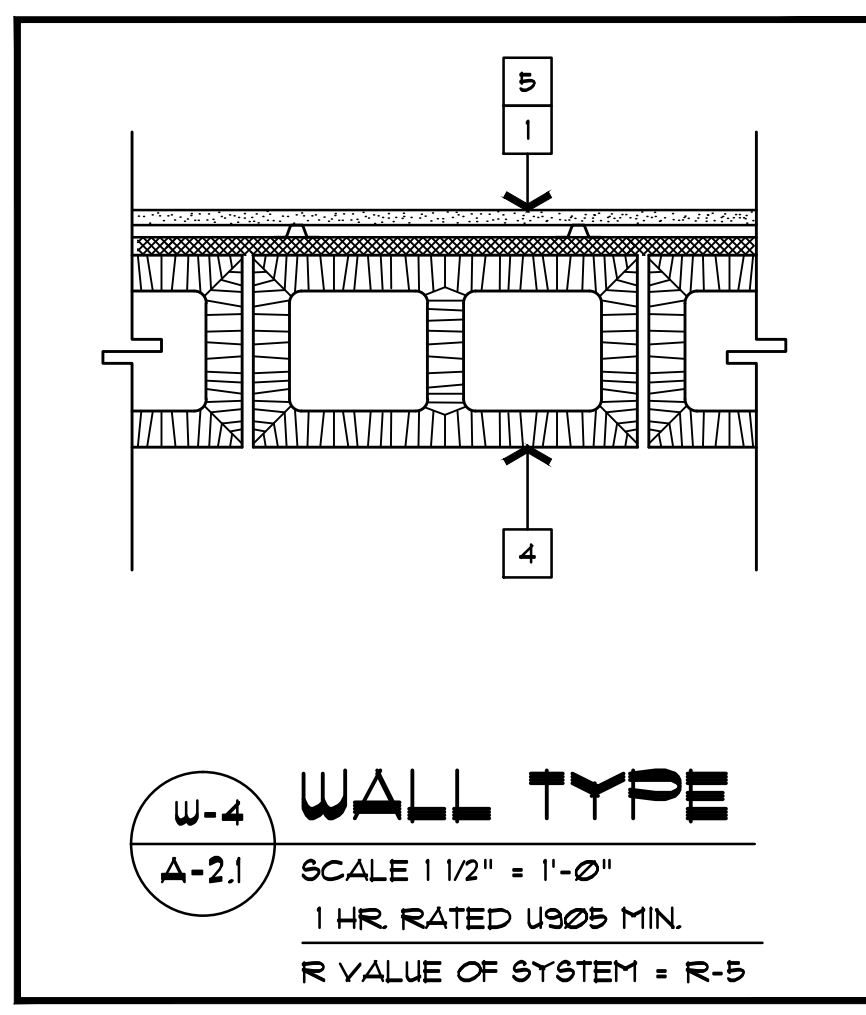
W-6 WALL TYPE
 A-2.1 SCALE 1 1/2" = 1'-0"
 NOTE 20 AND NOTE 2 AT EXTERIOR WALL ONLY FOR WALL TYPE W-6



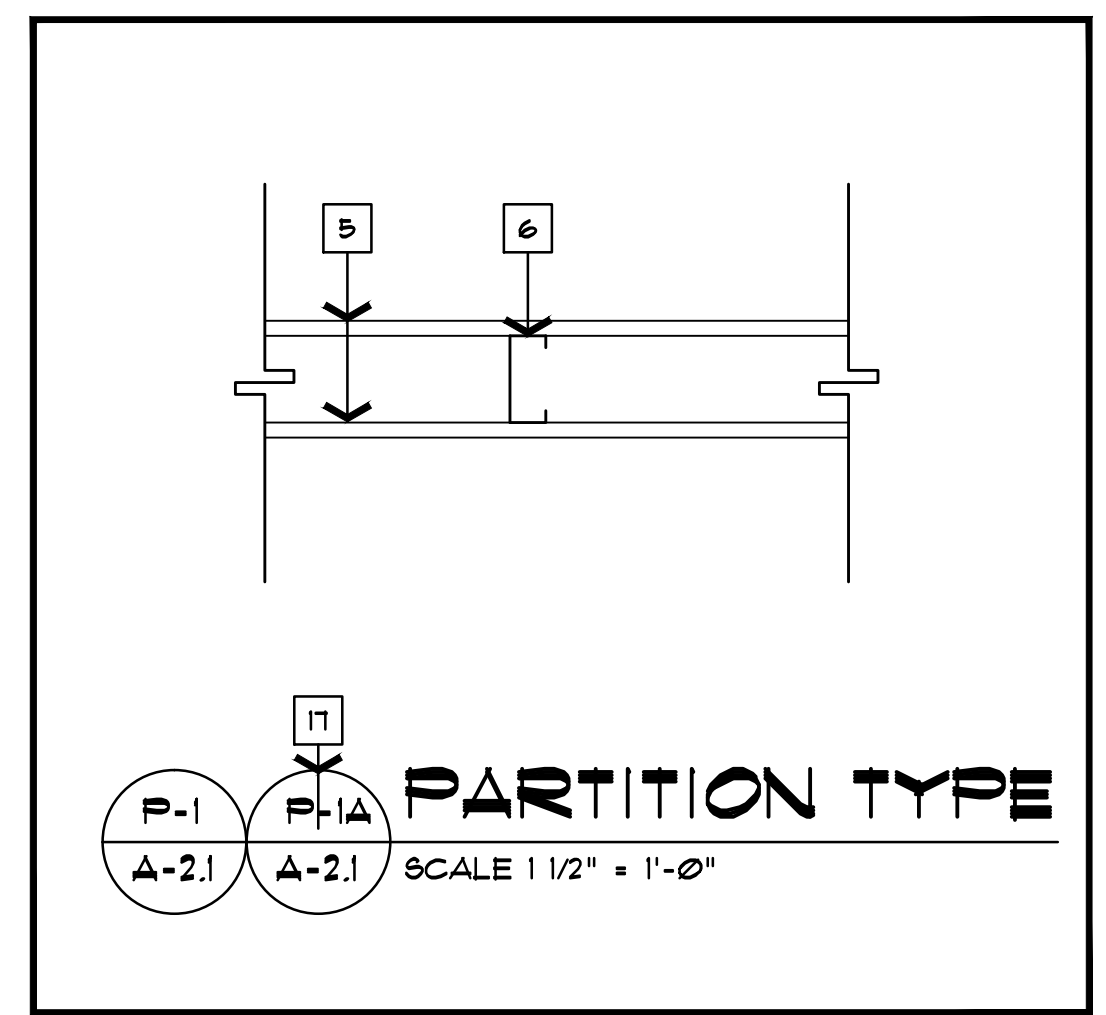
W-3 WALL TYPE
 A-2.1 SCALE 1 1/2" = 1'-0"



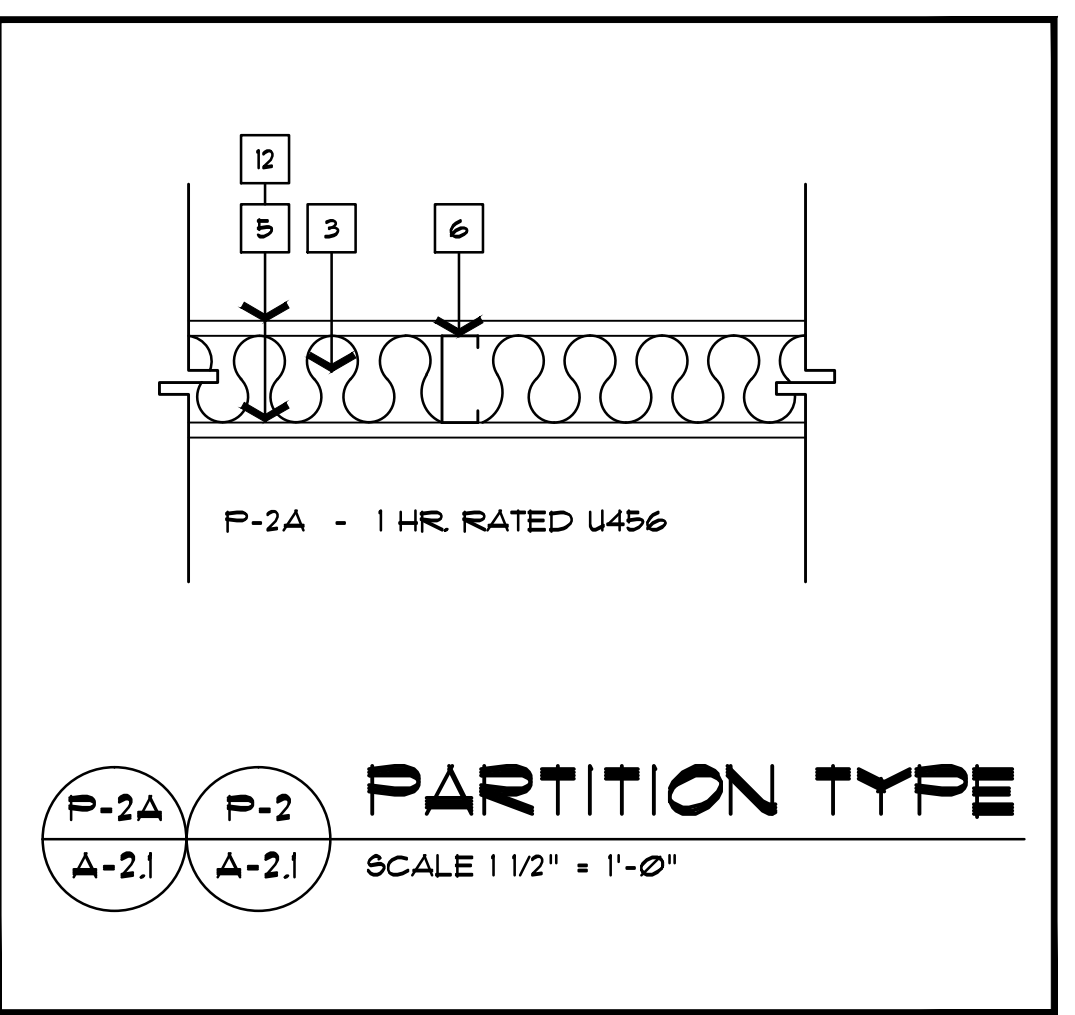
APRON PANEL DETAIL



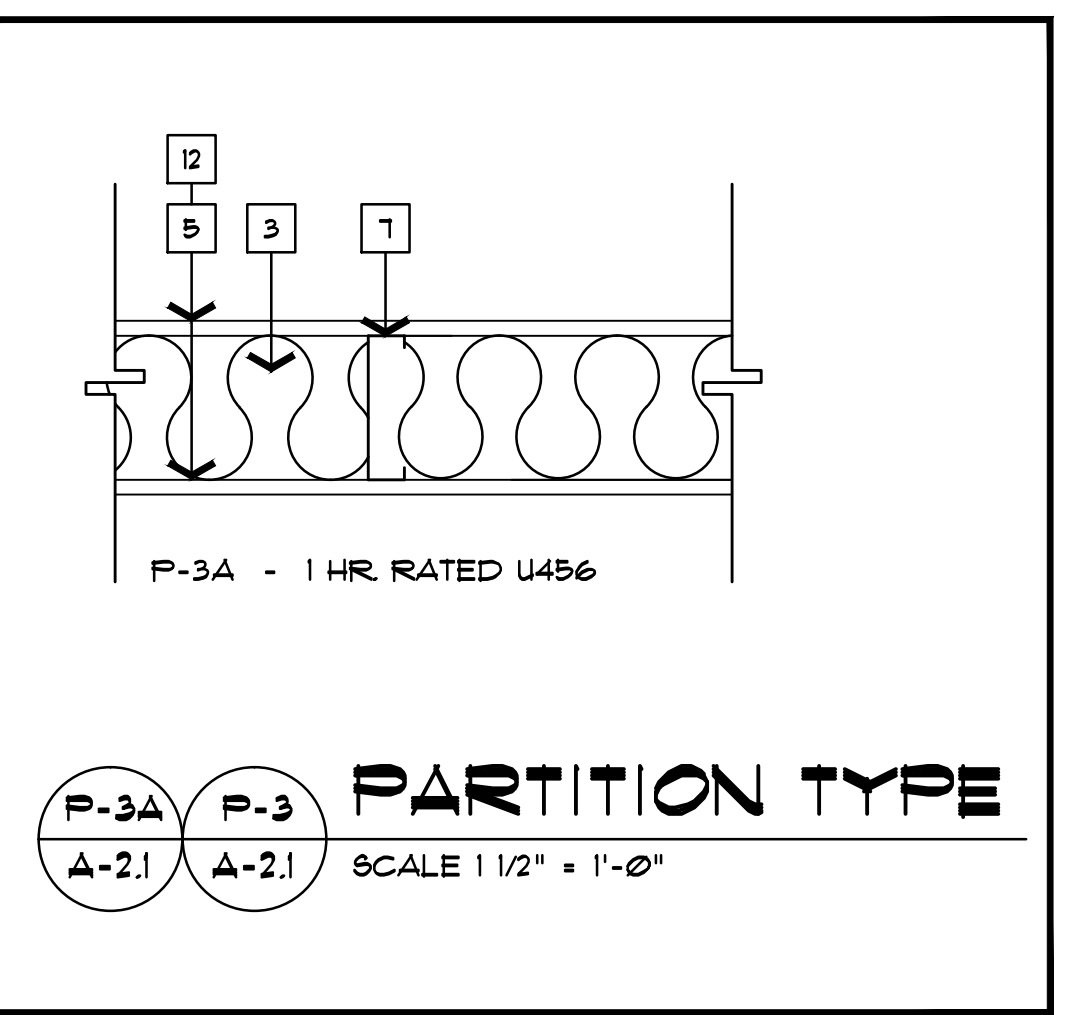
W-4 WALL TYPE
 A-2.1 SCALE 1 1/2" = 1'-0"
 1 HR. RATED U925 MIN.
 R VALUE OF SYSTEM = R-5



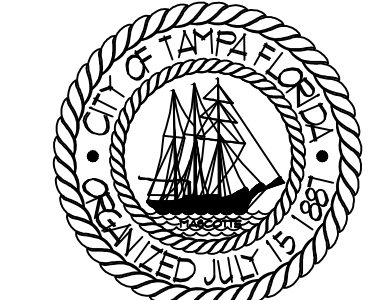
PARTITION TYPE
 P-1 P-1A
 A-2.1 A-2.1 SCALE 1 1/2" = 1'-0"



PARTITION TYPE
 P-2A P-2
 A-2.1 A-2.1 SCALE 1 1/2" = 1'-0"
 P-2A - 1 HR. RATED U456



PARTITION TYPE
 P-3A P-3
 A-2.1 A-2.1 SCALE 1 1/2" = 1'-0"
 P-3A - 1 HR. RATED U456



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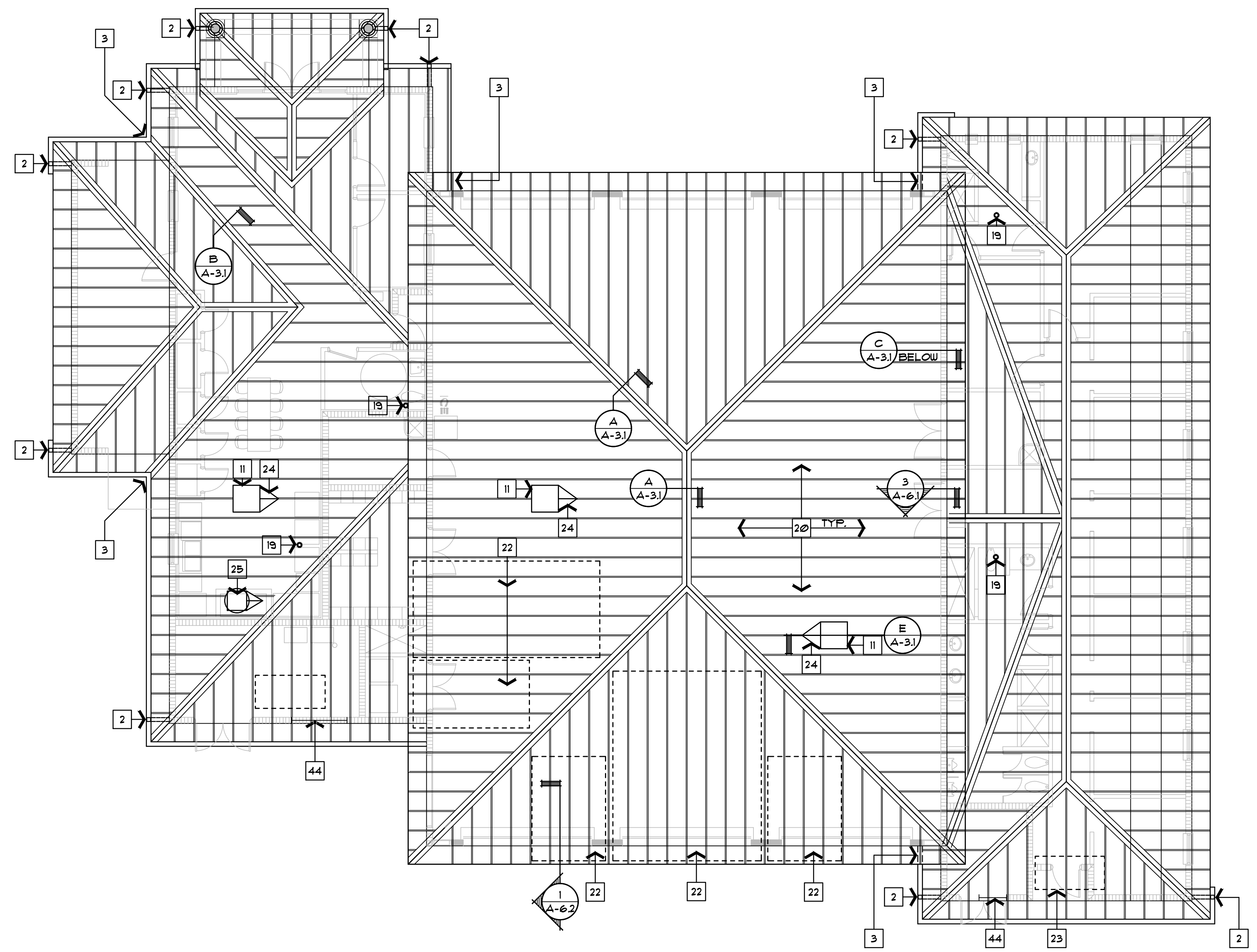
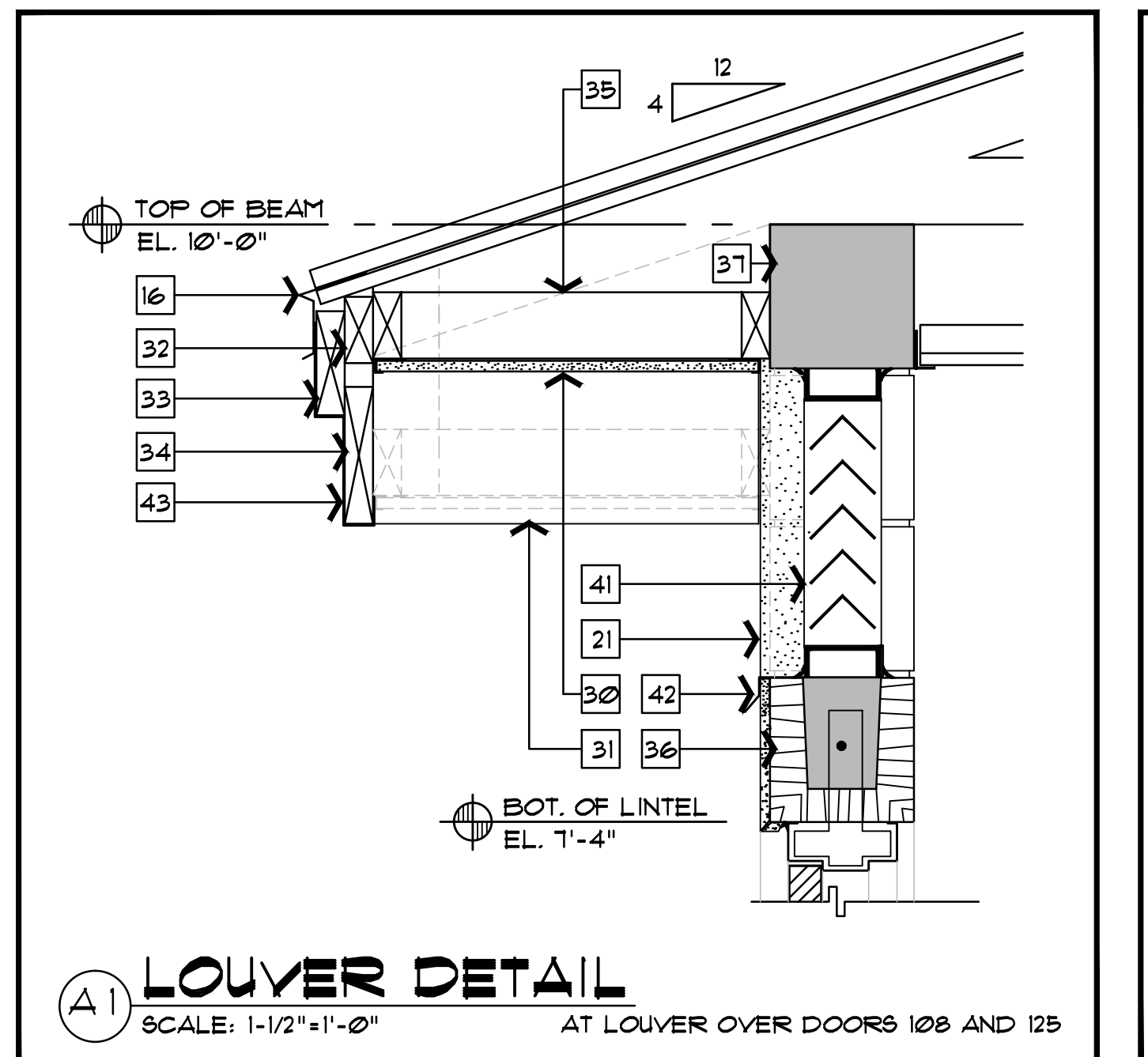
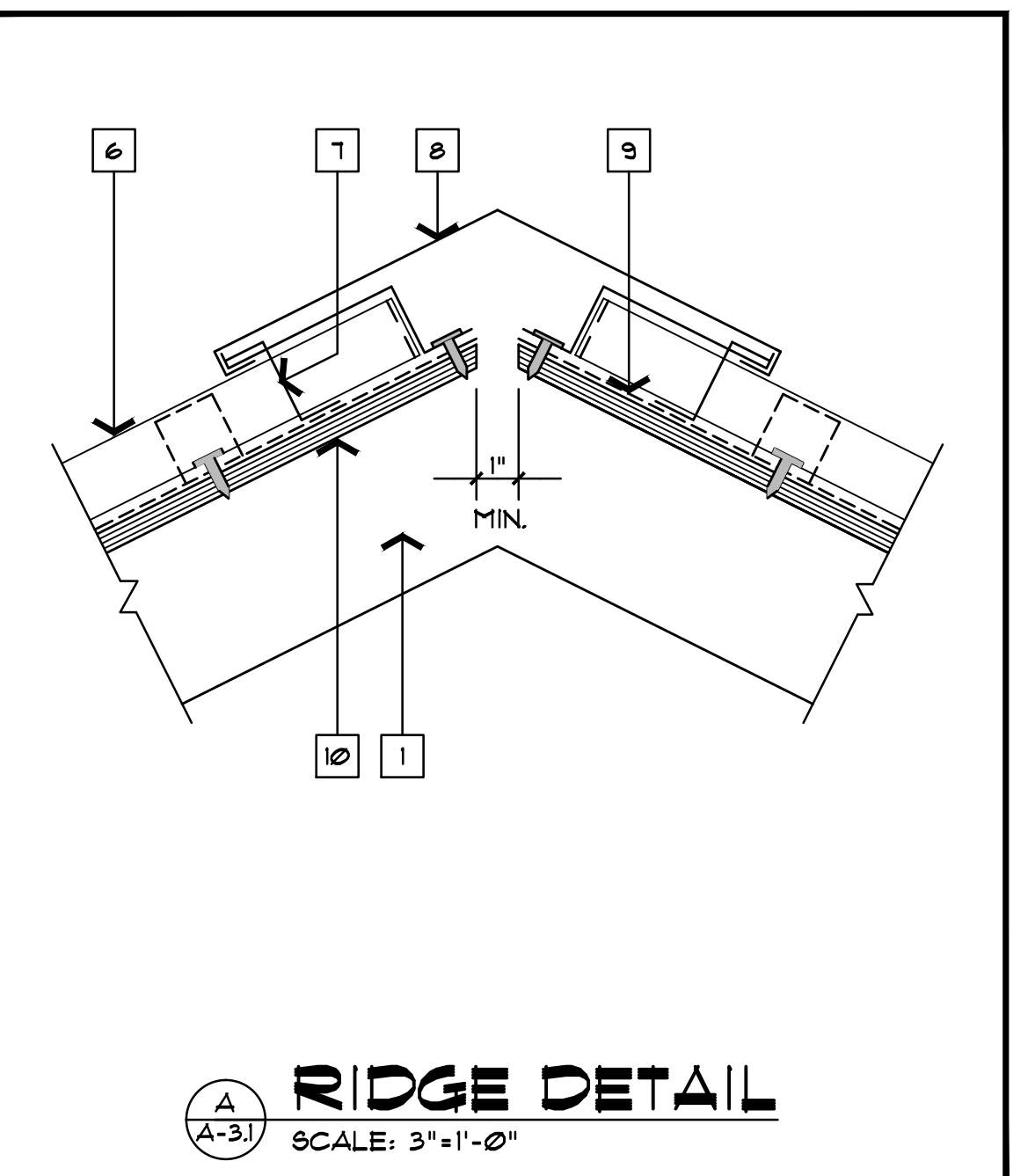
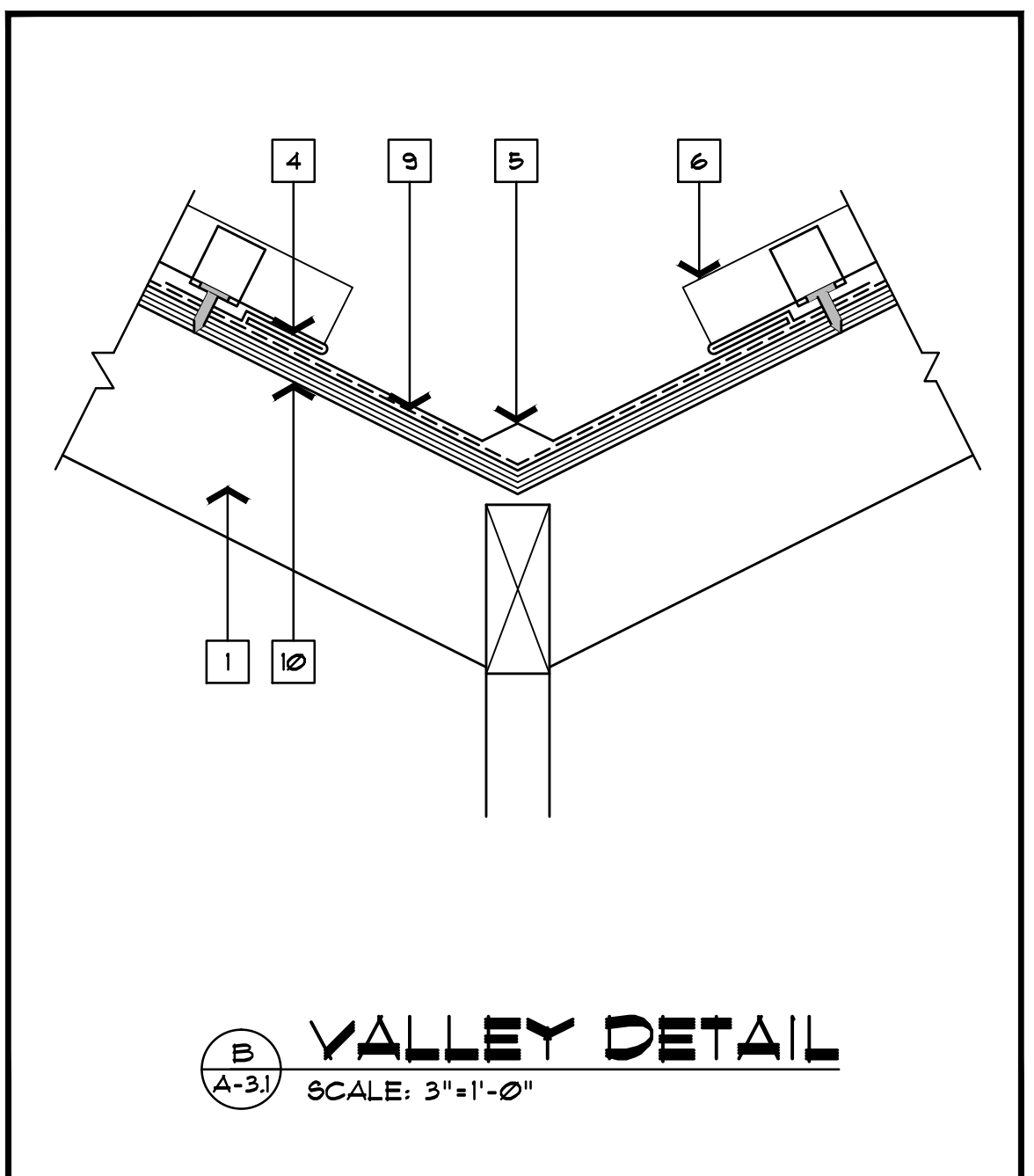
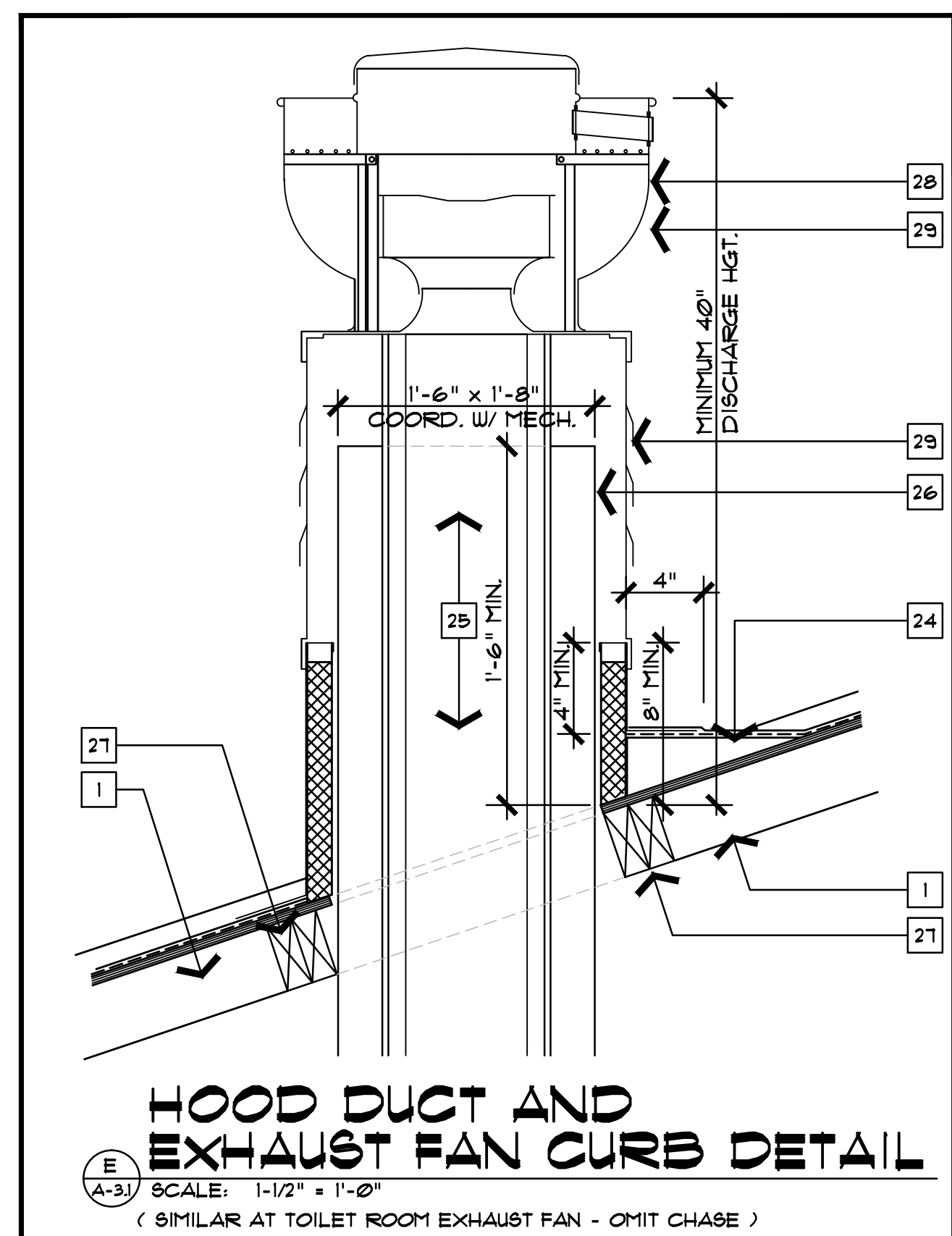
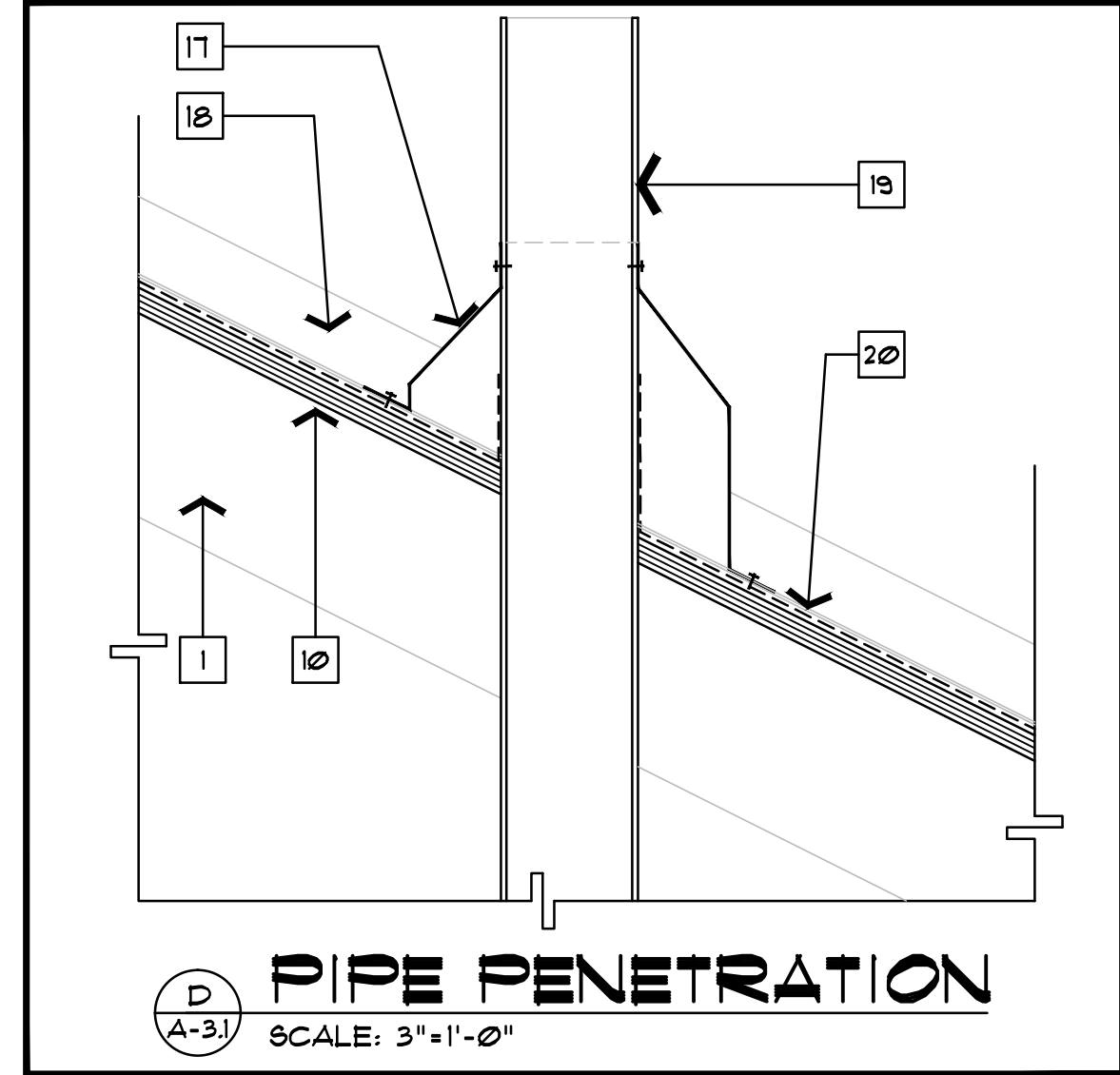
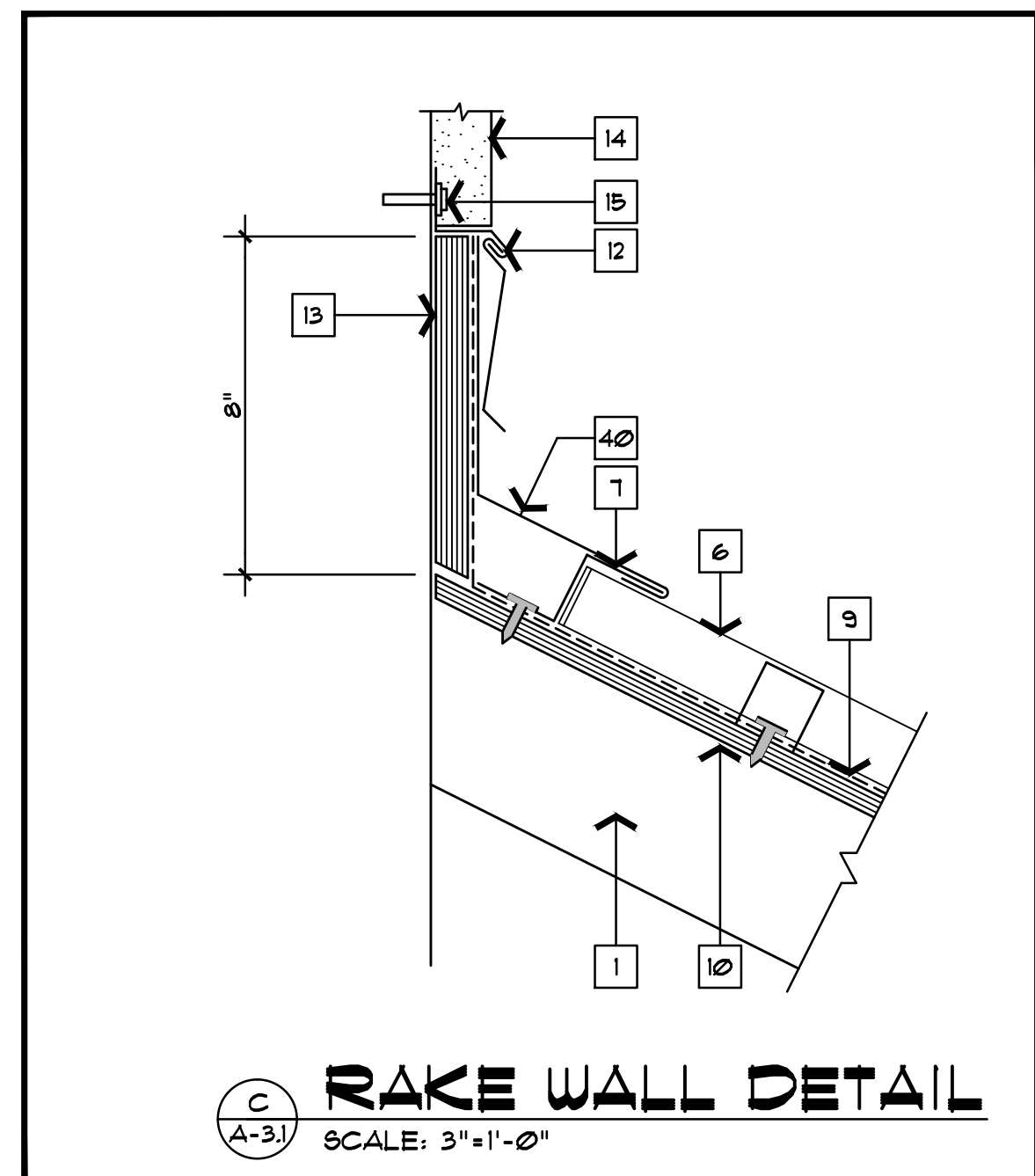
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GENERAL NOTES

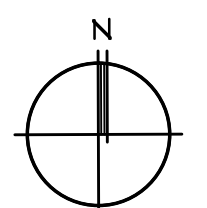
1. PROVIDE 10 DOWNSPOUT LOCATIONS WITH SPLASH BLOCKS. ALL DOWNSPOUTS RETURN AGAINST WALL SURFACE. FIELD COORDINATE ALL LOCATIONS

KEY NOTES

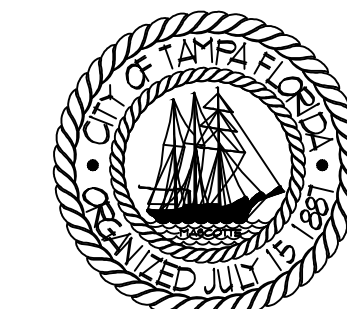
1. PRE-ENGINEERED WOOD TRUSSES
2. 5" OGEE GUTTER WITH DOWNSPOUTS.
3. ALUM. SPLASH GUARDS AT VALLEY (TYP.)
4. JOGGLE CLEAT CONTINUOUS
5. VALLEY TRIM
6. 1-1/2" HIGH BEAM METAL ROOF (TYP.)
7. ZEE CLOSURE TRIM (TYP.)
8. RIDGE CAP.
9. 60 MIL. GRACE ICE AND WATER SHIELD
10. 1/2" EXTERIOR GRADE PLYWOOD (TYP.)
11. MECHANICAL FANS ON PREMANUFACTURED CURBS - SEE MECHANICAL DUGS. FLASHING PER MFR. INSTRUCTIONS
12. ALUMINUM CEMENT FLASTER SNAPLOCK COUNTER-FLASH TO MATCH STANDING SEAM ROOF.
13. 3/4" P.T. PLYWOOD BASEBOARD.
14. STUCCO OR THIN STONE
15. 1/4"X1-1/4" DRIVE PIN AT 16" O.C.
16. MTL. DRIP TO MATCH MTL. ROOF
17. ROOF JACK (DECK TILE)
18. 1-1/2" STANDING SEAM BEYOND
19. VENT STACK - SEE DETAIL D / A-3.1
20. 1-1/2" STANDING SEAM METAL ROOF ON 60 MIL. SELF ADHESIVE MEMBRANE ON 1/2" EXTERIOR GRADE PLYWOOD, ON PRE-ENGINEERED WOOD TRUSSES
21. 3/4" CEMENT FLASTER FINISH
22. PHOTOVOLTAIC SYSTEM SEE ELECTRICAL DRAWINGS. COORDINATE WITH METAL ROOFING REQUIREMENTS.
23. PHOTOVOLTAIC SYSTEM FOR PLUMBING SEE PLUMBING DRAWINGS.
24. CRICKET CONSTRUCTED FROM SHT. MTL.
25. RANGE HOOD EXHAUST DUCT - SEE DETAIL E/A-3.1 AND MECH. DUGS.
26. 1 HR FIRE RATED DUCT CHASE (UL DES: U469)
27. P.T. WOOD BLOCKING
28. ROOF EXHAUST FAN - SEE MECH. DUGS.
29. PAINT EXHAUST FAN, CURB EXTENSION AND ROOF CURB TO MATCH COLOR OF MTL. ROOF COLOR TO BE SELECTED BY ARCHITECT - PROVIDE INDUSTRIAL COATING, TWO COMPONENT LOW VOC, ALIPHATIC POLYURETHANE RESIN FINISH
30. 3/4" CEMENT FLASTER SOFFIT ON PAPER BACKED RIBLATH
31. P.T. 2 x WOOD TRIM, PAINTED
32. P.T. 2 x 4 WOOD SUB-FASCIA.
33. P.T. 2 x 6 WOOD FASCIA COMPONENT.
34. P.T. 2 x 8 WOOD FASCIA COMPONENT.
35. P.T. 2 x 4 FRAMING, MAX. 24" O.C.
36. PRECAST CONCRETE LINTEL - SEE STRUCTURAL DUGS.
37. C.I.P. CONCRETE TIE BEAM - SEE STRUCTURAL DUGS.
38. ADD P.T. 2 x WOOD BLOCKING TO FASCIA FOR METAL SUPPORT
39. NOT USED
40. PITCH BREAK TRIM - PROVIDE CLOSURE METAL AT ENDS FOR FASCIA TRANSITION
41. METAL LOUVER - ALIGN WITH RIGHT SIDE OF DOOR AND IN WALL LOCATION. FIELD VERIFY
42. ALUM. BREAKMETAL FLASHING TO MATCH LOUVER
43. PROVIDE ALUM. BREAK METAL FASCIA COVERING. ALUM. SHALL BE THE SAME THICKNESS AS THE METAL ROOFING CONTINUOUS. COLOR TO BE SELECTED FROM FULL RANGE OF COLORS.
44. LOUVER, SEE DETAIL A1, THIS SHEET. COORDINATE WITH MECHANICAL DUGS.



ROOF PLAN
 SCALE 1/8"=1'-0"



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SEAL

SCALE: VARIES

SHEET NUMBER

A-4.1

X OF X

GENERAL NOTES

- COORDINATE LOCATION OF CEILING ACCESS DOORS WITH EXHAUST FAN OR MECHANICAL ITEMS
- SEE ELECTRICAL FOR EXTERIOR LIGHT REQUIREMENTS, AND LIFE SAFETY DEVICES

KEY NOTES

- 1/2" GYPSUM BOARD ON SUSPENDED FURRING SYSTEM (TYF).
- ACOUSTICAL TILE.
- MAIN BEAM ADAPTER CLIP.
- FACE OF WALL.
- CEILING FAN
- 3/4" CEM. PLASTER ON RIB LATH SOFFIT
- CORNER BEAD.
- SOFFIT DASHED FOR CLAIRITY
- 3-5/8" METAL STUDS AT 24" O.C.
- 1/2" GYPSUM BOARD, PAINT WHITE.
- LIGHT FIXTURE - SEE SCHEDULE.
- EGG CRATE PARABOLIC LENS - 1/2"x1/2"x1/2" SIM. TO WESTERN ILLUMINATED PLASTIC MODEL # 83-24-EC WWW.WESTERNPLASTICS.COM
- NOT USED
- NOT USED
- CEMENT PLASTER CEILING
- 5/8" GYPSUM BOARD
- PROVIDE 2 LAYERS OF TYPE 'X' 5/8" GYPSUM BOARD
- 22" x 36" FLUSH MOUNTED ACCESS DOOR
- 22" x 24" FLUSH MOUNTED ACCESS DOOR

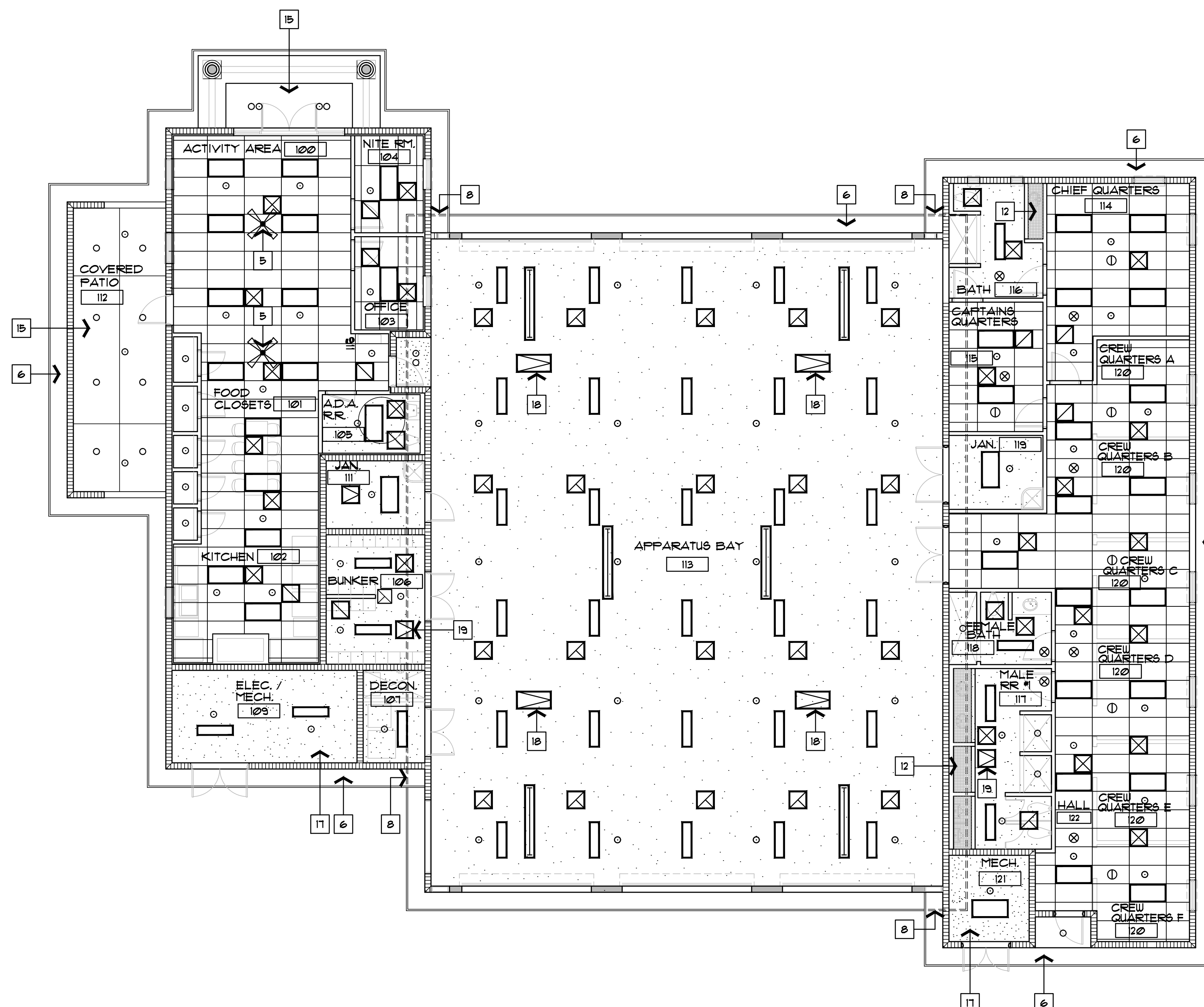
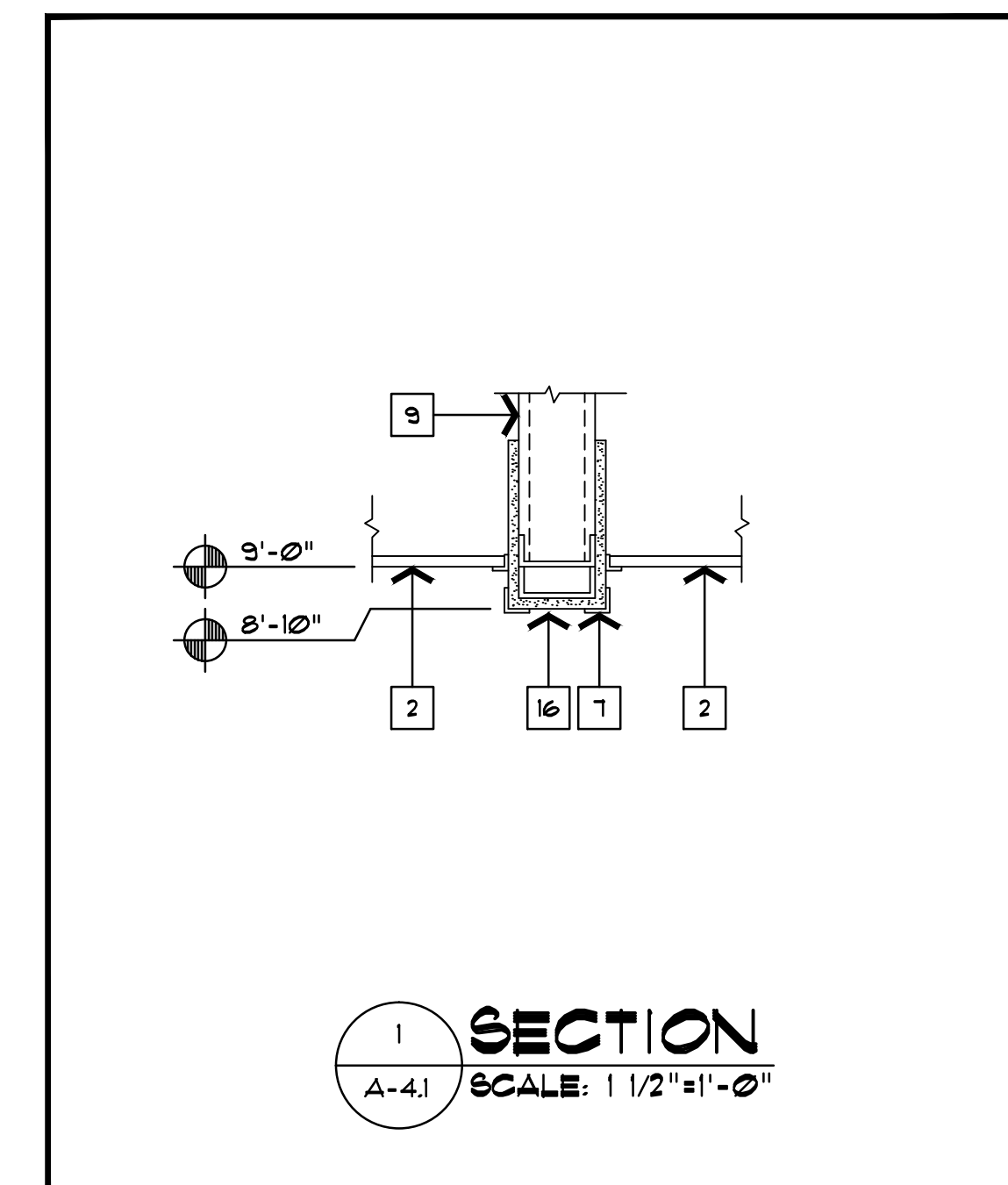
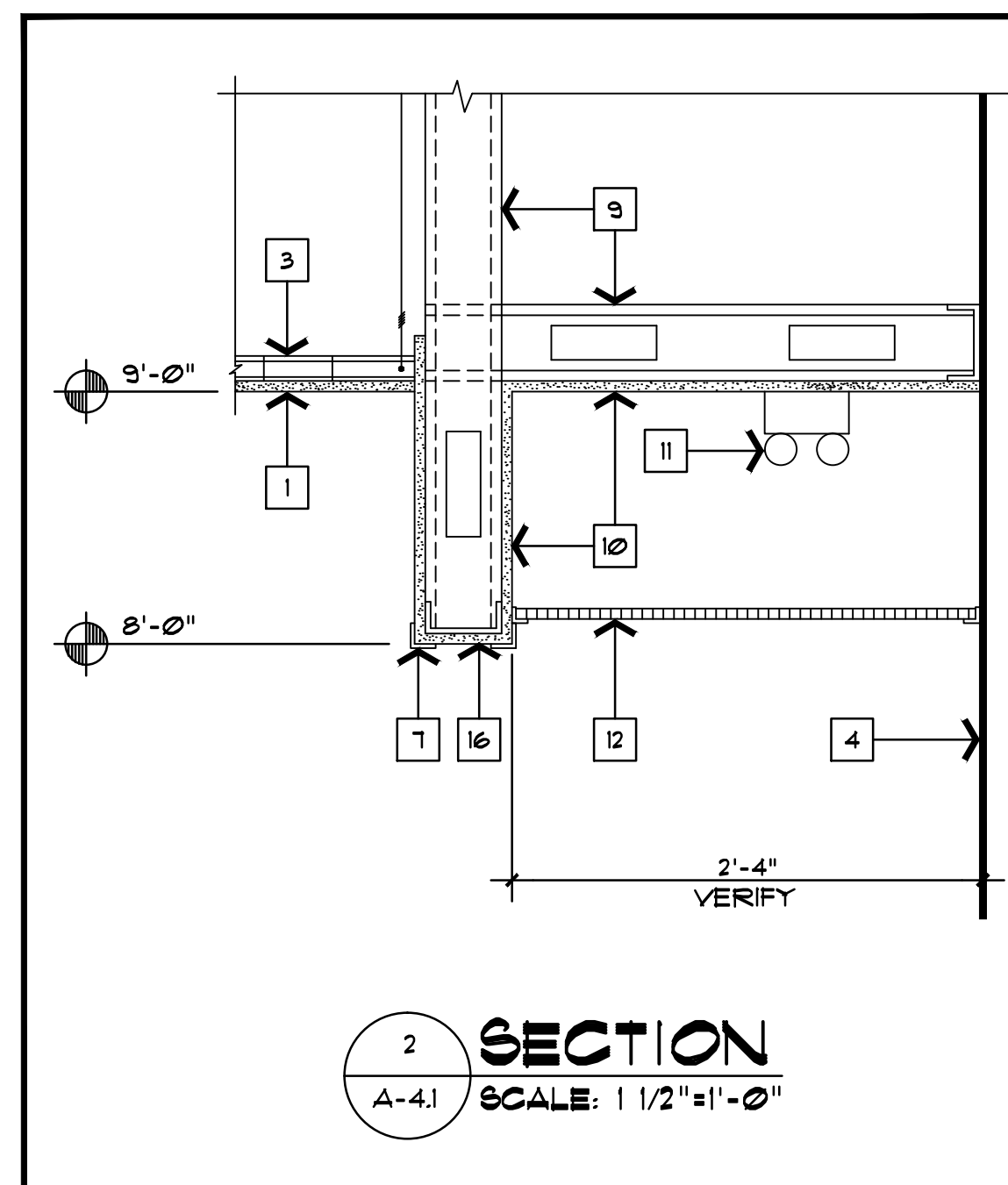
LEGEND

- 1 x 4 FLUORESCENT LIGHT
- 2 x 4 FLUORESCENT LIGHT
- RECESSED LIGHT FIXTURE
- 2 x 4 SUSPENDED CEILING SYSTEM
- GYPSUM BOARD SUSPENDED CEILING
- CEILING DIFFUSER SUPPLY
- RETURN AIR
- EXHAUST FAN
- 24" x 24" CEILING ACCESS DOOR
- SPRINKLER HEAD

911 LEGEND

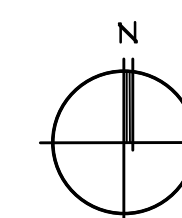
- 8" SPEAKERS
- 6" CAN LIGHTS
- 2 LAMP FLOURESCENT 96" WITH COVERS
- 15 WATT HORNS

REFLECTED CEILING PLAN

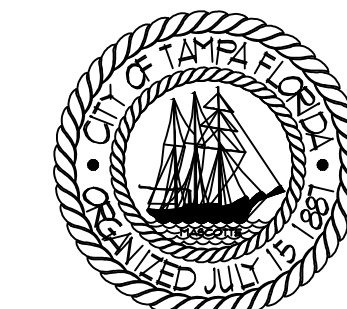


REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"



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FIRE STATION 19
 7910 INTERBAY BLVD.
 TAMPA, FLORIDA

DPW FILE NUMBER

DPW NUMBER
FD0116

ISSUE DATE
JANUARY 2012

DRAWN BY
KINSEY TILLMAN

REVISIONS

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- △
- △

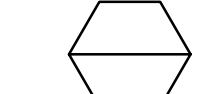
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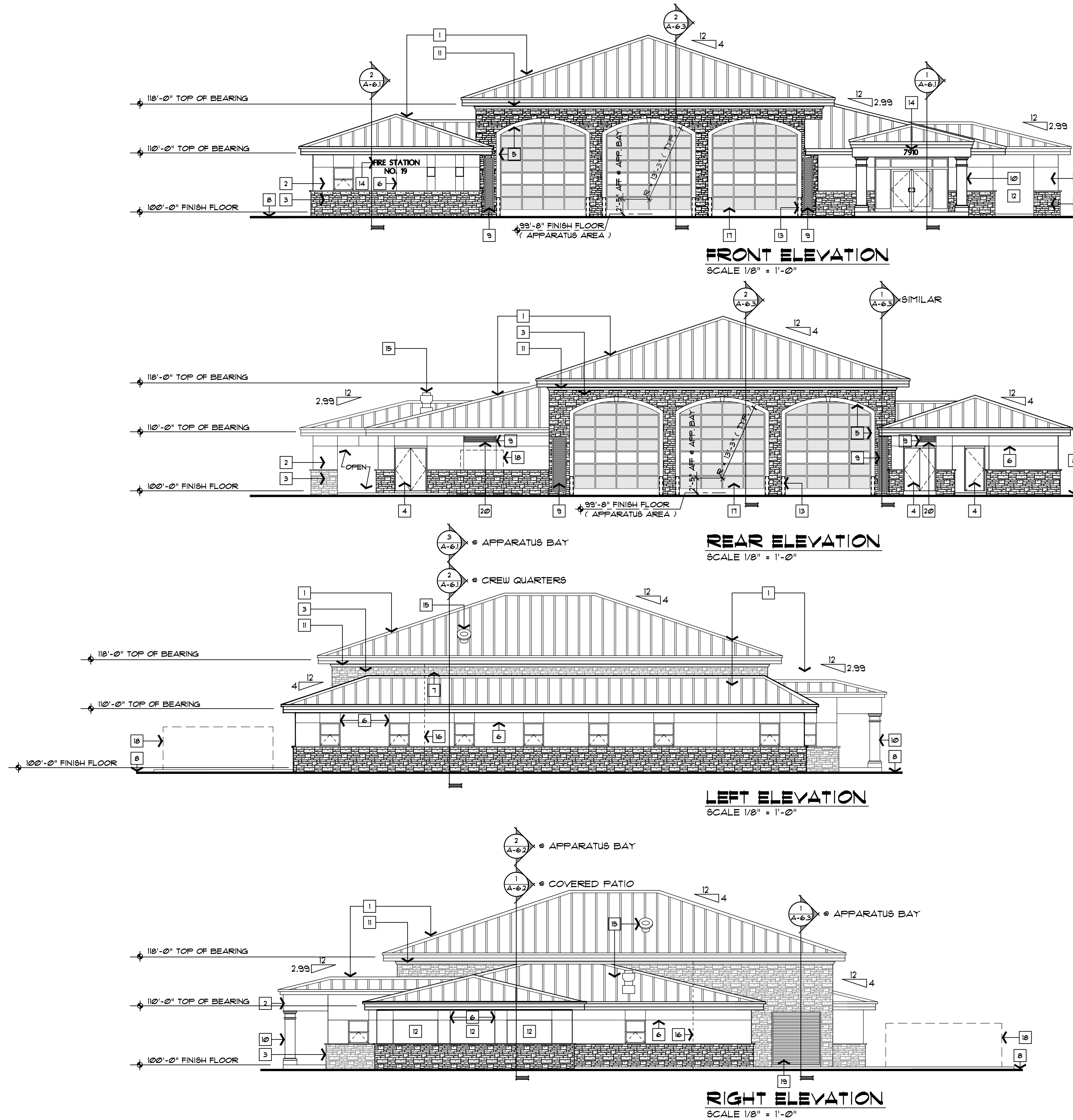


GENERAL NOTES

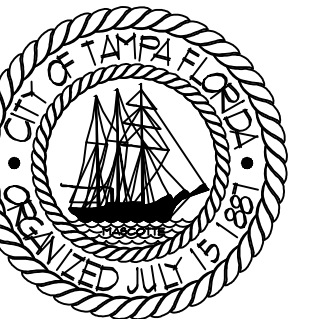
KEY NOTES

- 1 1-1/2" STANDING SEAM METAL ROOF
- 2 CEMENT PLASTER W/ SAND FINISH, PAINTED
- 3 THIN STONE VENEER WITH WAINSCOT CAP
- 4 METAL DOOR - PAINTED
- 5 8" WIDE CEMENT BAND
- 6 CONTROL JOINT
- 7 RAKE WALL SEE DETAIL C/A-3.1
- 8 FINISH GRADE
- 9 LOUVER - SEE MECHANICAL DRAWINGS FOR SIZES, LOCATIONS ETC.
- 10 FIBERGLASS COLUMN - PAINTED
- 11 6" FOAM CROWN MOLDING - PAINTED
- 12 OPENING IN WALL 4'-0" H x 1'-4" W
- 13 6" CONC. FILLED PIPE BOLLARDS DASHED FOR CLARITY
- 14 10" CAST METAL LETTERS
- 15 MECHANICAL HOOD - SEE MECH. DWGS.
- 16 EXPANSION JOINT
- 17 O.H. DOOR - PAINTED
- 18 EMERGENCY GENERATOR DASHED FOR CLARITY
- 19 LOUVER 8' WIDE x 8' HIGH - SEE MECHANICAL DRAWINGS
- 20 LOUVER - SEE DETAIL A1 SHEET A-3.1 COORDINATE WITH MECHANICAL DWGS.

EXTERIOR ELEVATIONS



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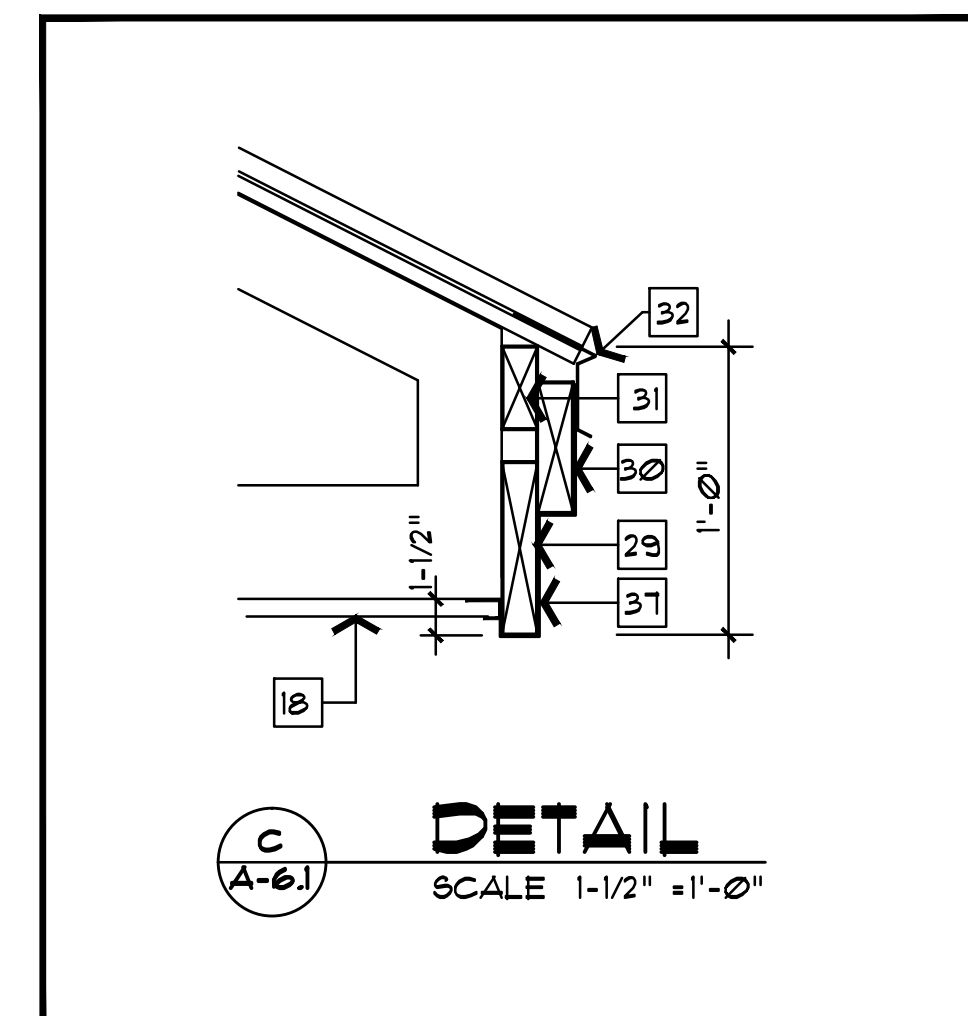
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GENERAL NOTES

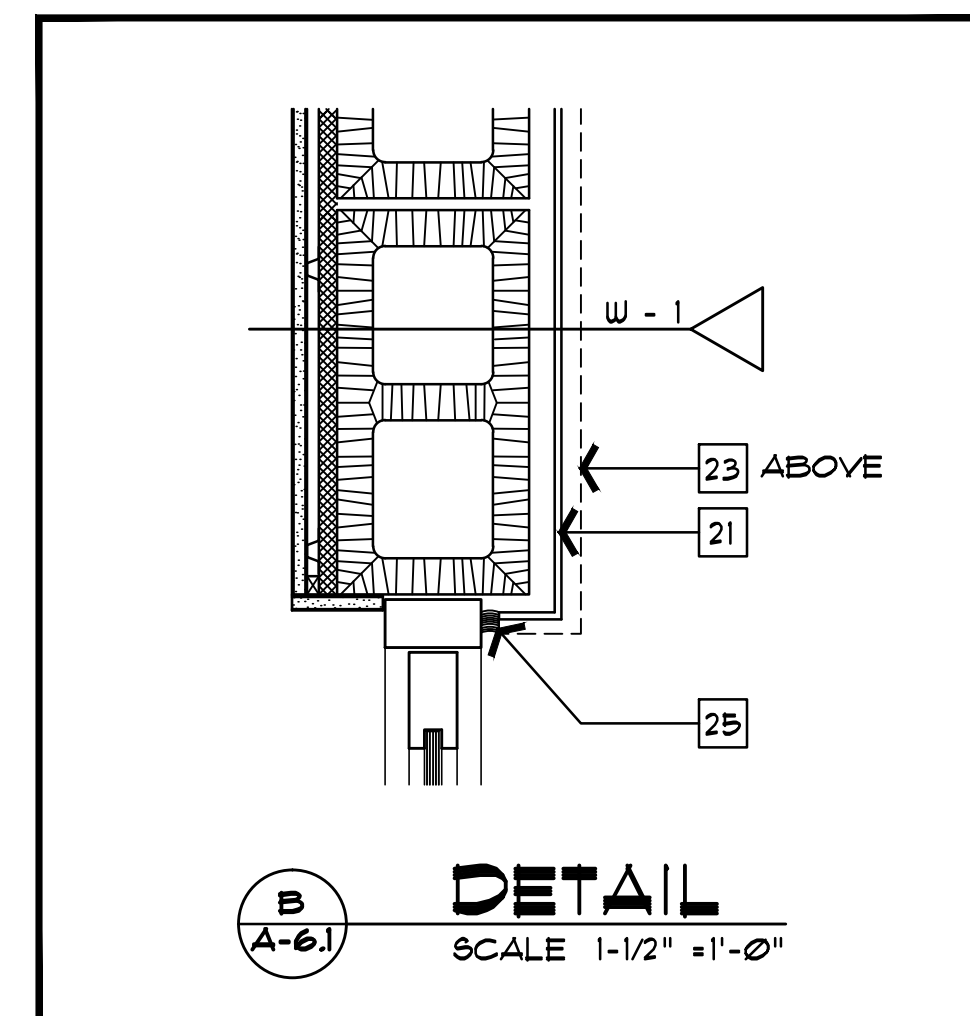
KEY NOTES

- 1 CONG. TIE BEAM - SEE STRUCT. DWGS.
- 2 3/4" CEMENT PLASTER FINISH
- 3 ALUM. COUNTER FLASHING SIMILAR TO FRY REGLET TYPE ST STUCCO REGLET
- 4 ACCOUSTICAL SUSPENDED CLG.
- 5 6" FOAM SPRAY INSULATION
- 6 1-1/2" STANDING SEAM METAL ROOF ON 60 MIL SELF ADHESIVE MEMBRANE, ON 1/2" EXTERIOR GRADE PLYWOOD, ON PRE-ENGINEERED WOOD TRUSSES
- 7 8" CMU - PROVIDE HORIZ. TRUSS TYPE REINF. AT 16" O.C. START POINT SHALL BE FINISH FLOOR - SEE STRUCT. DWGS. FOR VERT. REINF. PROVIDE HORIZ. REINF. WITH COMPOSITE HOOK AND FINTEE VENEER REINF. AT 16" O.C. - AT ALL VENEER LOCATIONS
- 8 5/8" EXT. GRADE GYPSUM BOARD ON SUSPENDED SYSTEM
- 9 18" FIBERGLASS TUSCAN COLUMN WITH 24" SQ. CAPITAL AND BASE
- 10 PRECAST LINTEL. SEE STRUCT. DWGS.
- 11 1/2" EXPANSION JOINT MATERIAL
- 12 4" VINYL BASE
- 13 4" CONG. SLAB ON 6 MIL. VISQUEEN, ON COMPACTED TERMITTE TREATED SOIL
- 14 CONG. FOOTING. SEE STRUCT. DWGS.
- 15 EXTEND GYP. BD. 8" ABOVE CLG. TYP. WITH 1 x 2 DRAFT STOP CONTINUOUS
- 16 FINISH GRADE
- 17 NOT USED
- 18 3/4" CEMENT PLASTER CEILING ON 3/8" PAPER BACKED RIBLATH ATTACHED DIRECTLY TO WOOD TRUSSES AND WOOD FRAMING AT 24" O.C.
- 19 6" CONG. SLAB ON 6 MIL. VISQUEEN, ON COMPACTED TERMITTE TREATED SOIL
- 20 3/4" CEMENT PLASTER CEILING ON 3/8" PAPERBACKED RIBLATH ON SUSPENDED SYSTEM
- 21 THIN SET, STONE VENEER
- 22 NOT USED
- 23 2" x 2" PRECAST WAINSCOT WITH BULLNOSE FACE W/ TOP @ 4'-0" AFF.
- 24 RECESSED LIGHT FIXTURE
- 25 CAULK CONTINUOUS
- 26 12" DIA. CONG. COLUMN - DASHED FOR CLARITY
- 27 3/4" EXTERIOR GRADE P.T. PLYWD. BASE
- 28 6" FOAM CROWN MOLDING - PAINTED
- 29 F.T. 2 x 8 WOOD FASCIA COMPONENT
- 30 F.T. 2 x 6 WOOD FASCIA COMPONENT
- 31 F.T. 2 x 4 WOOD SUBFASCIA
- 32 METAL DRIP TO MATCH STANDING SEAM METAL ROOF
- 33 F.T. 2 x 4 BOX FRAMING AT 24" O.C. ATTACHED TO TRUSS AND MASONRY
- 34 STUCCO 'J' STOP
- 35 NOT USED
- 36 CONG. FILLED CELL COVERING. ALUM. SHALL BE THE SAME THICKNESS AS THE METAL ROOFING CONTINUOUS. COLOR TO BE SELECTED FROM FULL RANGE OF COLORS.
- 37 PROVIDE ALUM. BREAK METAL FASCIA COVERING. ALUM. SHALL BE THE SAME THICKNESS AS THE METAL ROOFING CONTINUOUS. COLOR TO BE SELECTED FROM FULL RANGE OF COLORS.
- 38 COORDINATE FINAL BEARING HGT. WITH TRUSS MFR. PLAN.
- 39 5/8" GYPSUM BOARD ON 3/4" FURRING CHANNELS OVER 3/4" RIGID INSULATION AND 8" CMU
- 40 PROVIDE 5/8" MOISTURE RESISTANT GYPSUM BOARD IN ALL RESTROOMS, JANITOR CLOSETS AND KITCHEN AREAS

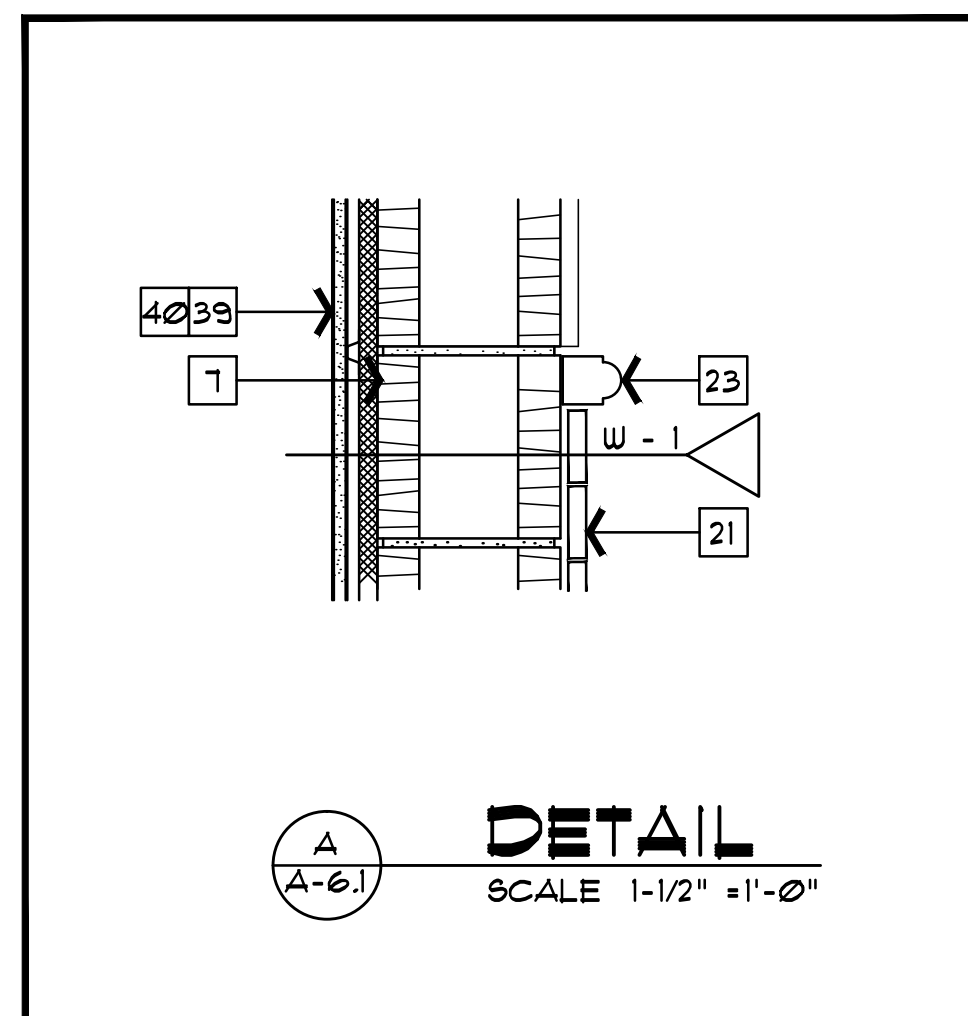
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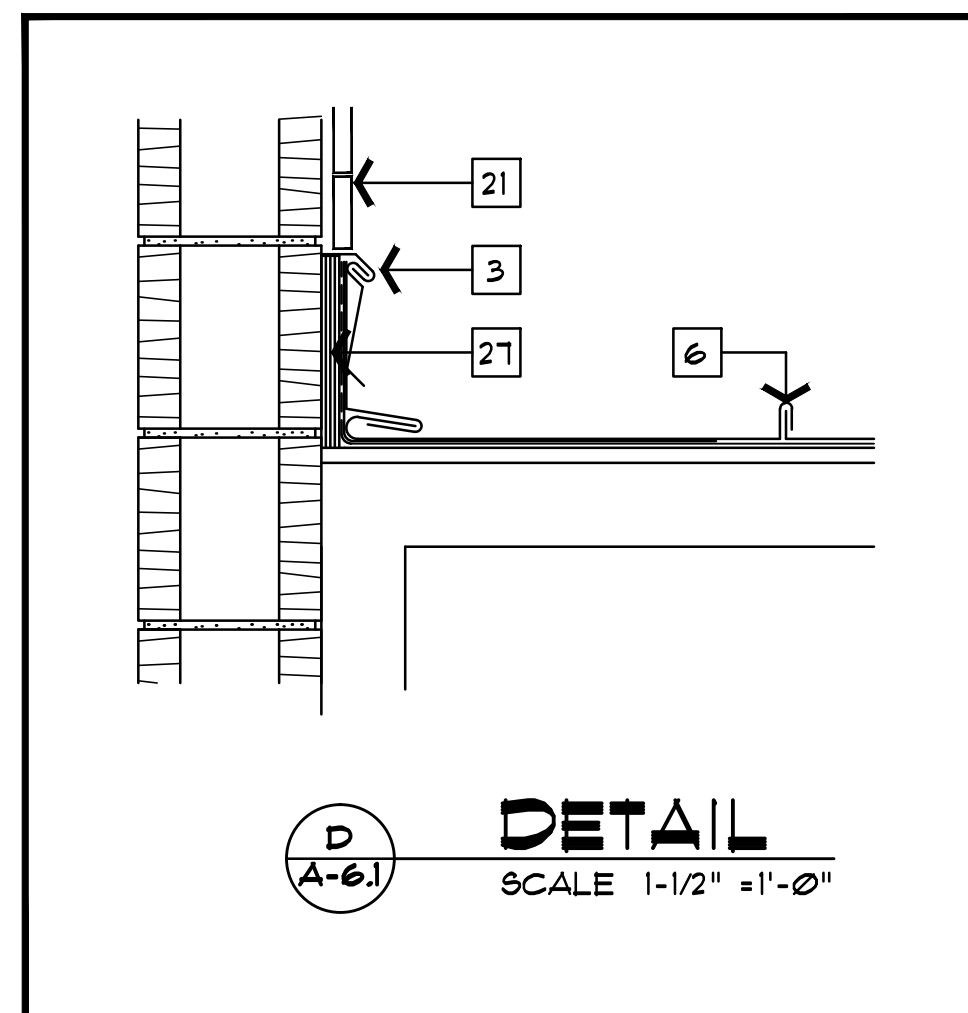
DETAIL C
 SCALE 1-1/2" = 1'-0"



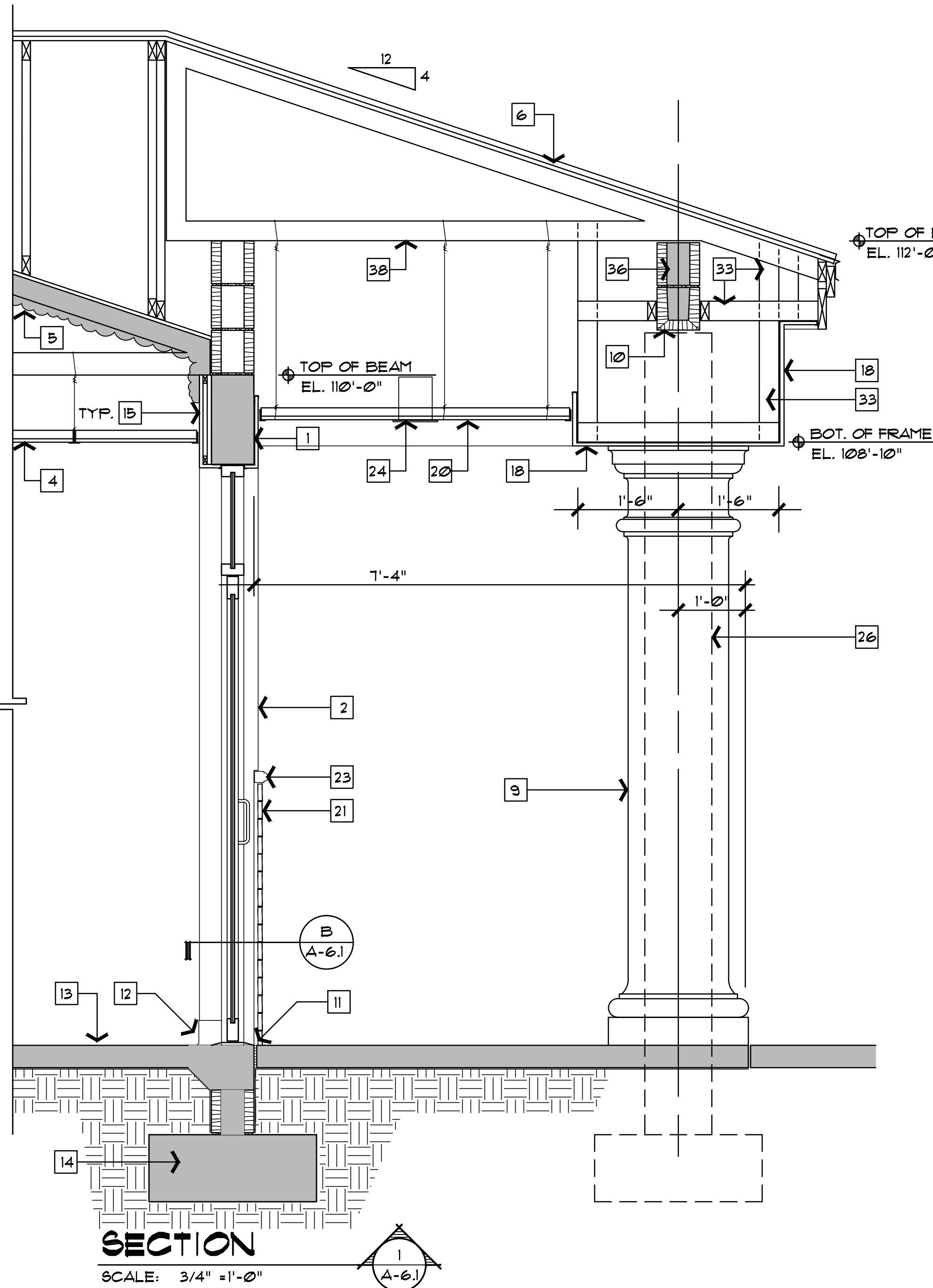
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 SCALE 1-1/2" = 1'-0"



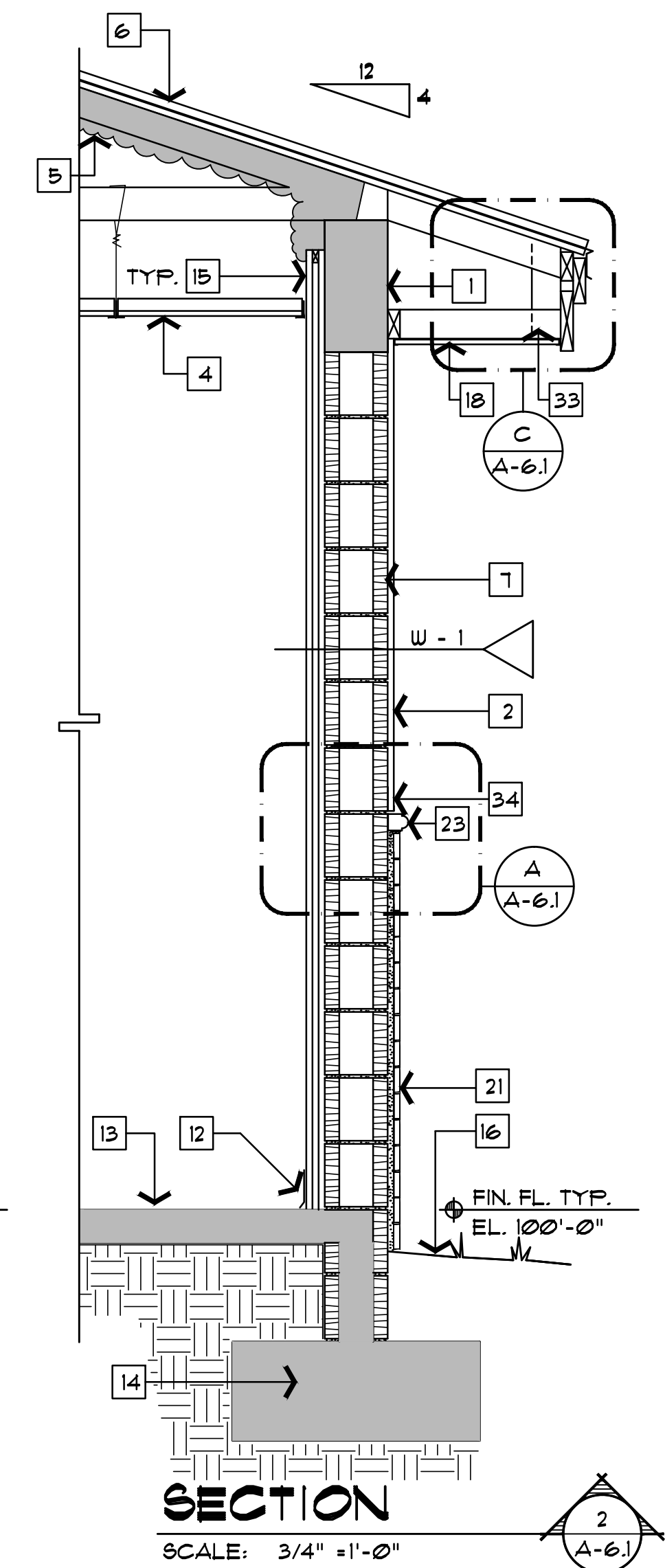
DETAIL A
 SCALE 1-1/2" = 1'-0"



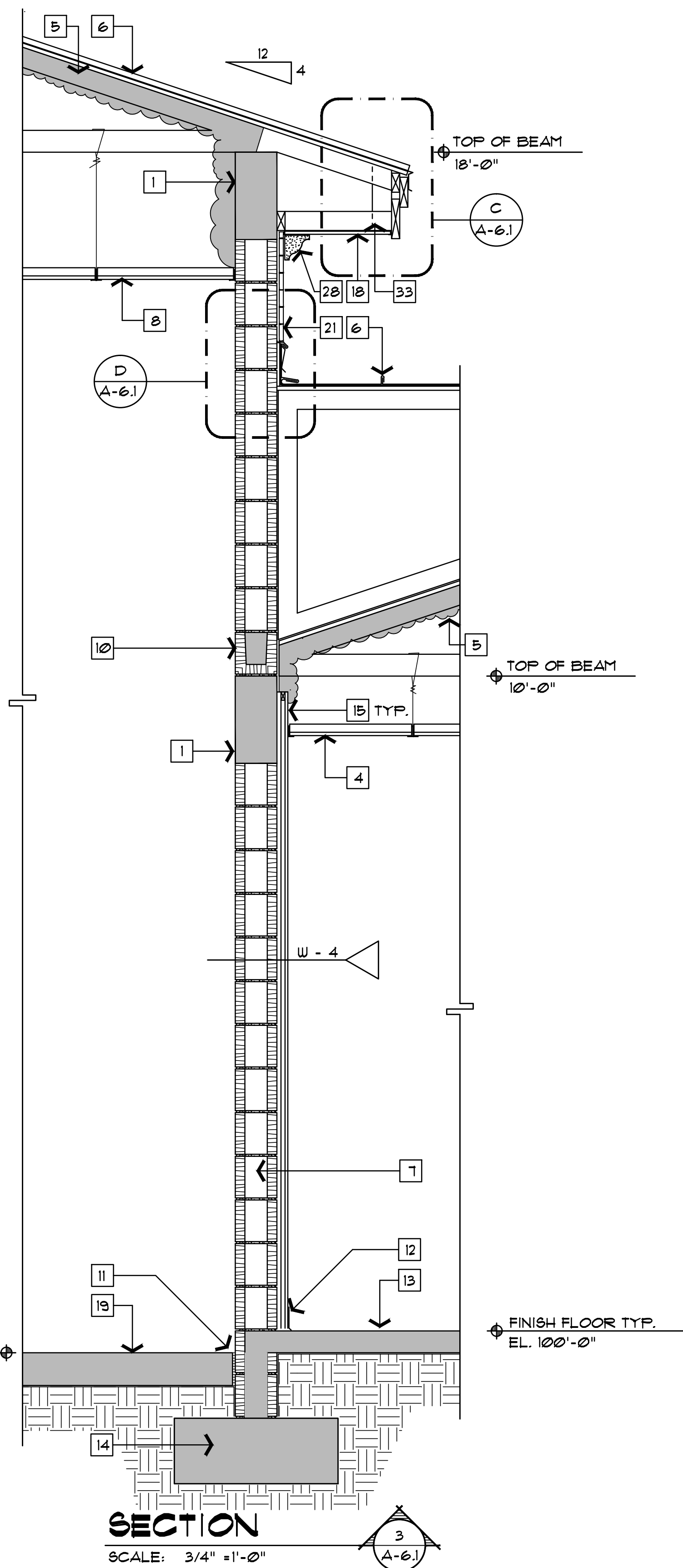
DETAIL D
 SCALE 1-1/2" = 1'-0"



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



SECTION 2
 SCALE: 3/4" = 1'-0"



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

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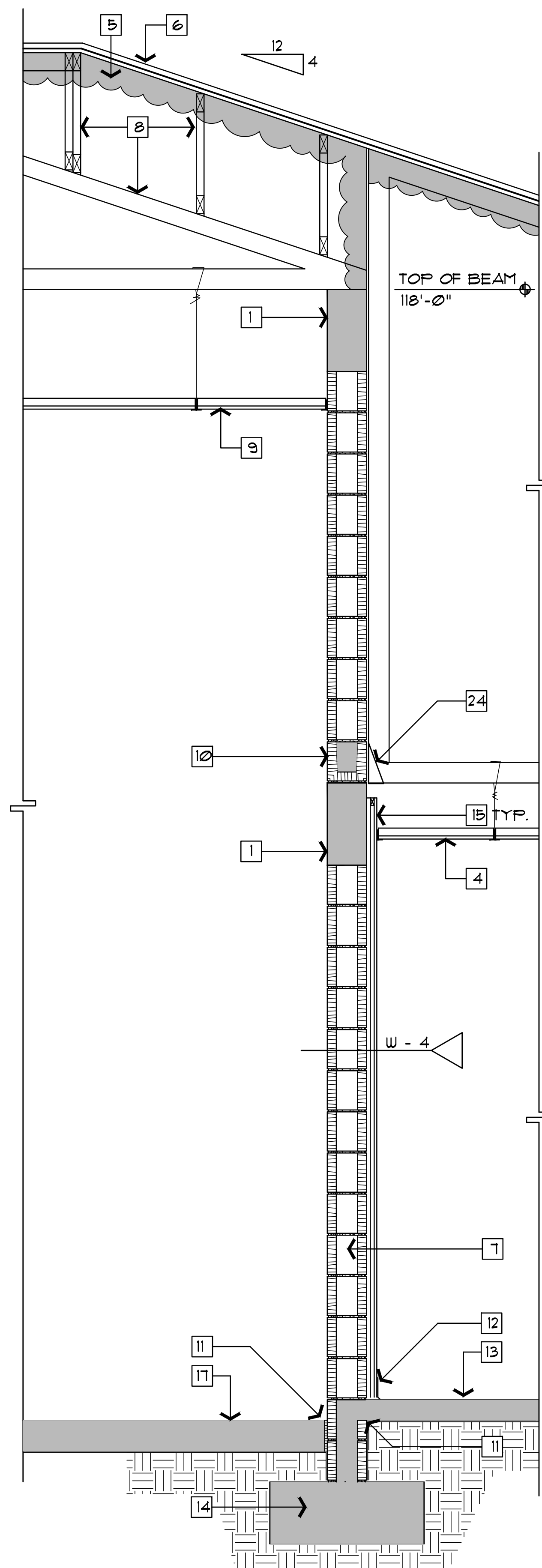
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GENERAL NOTES

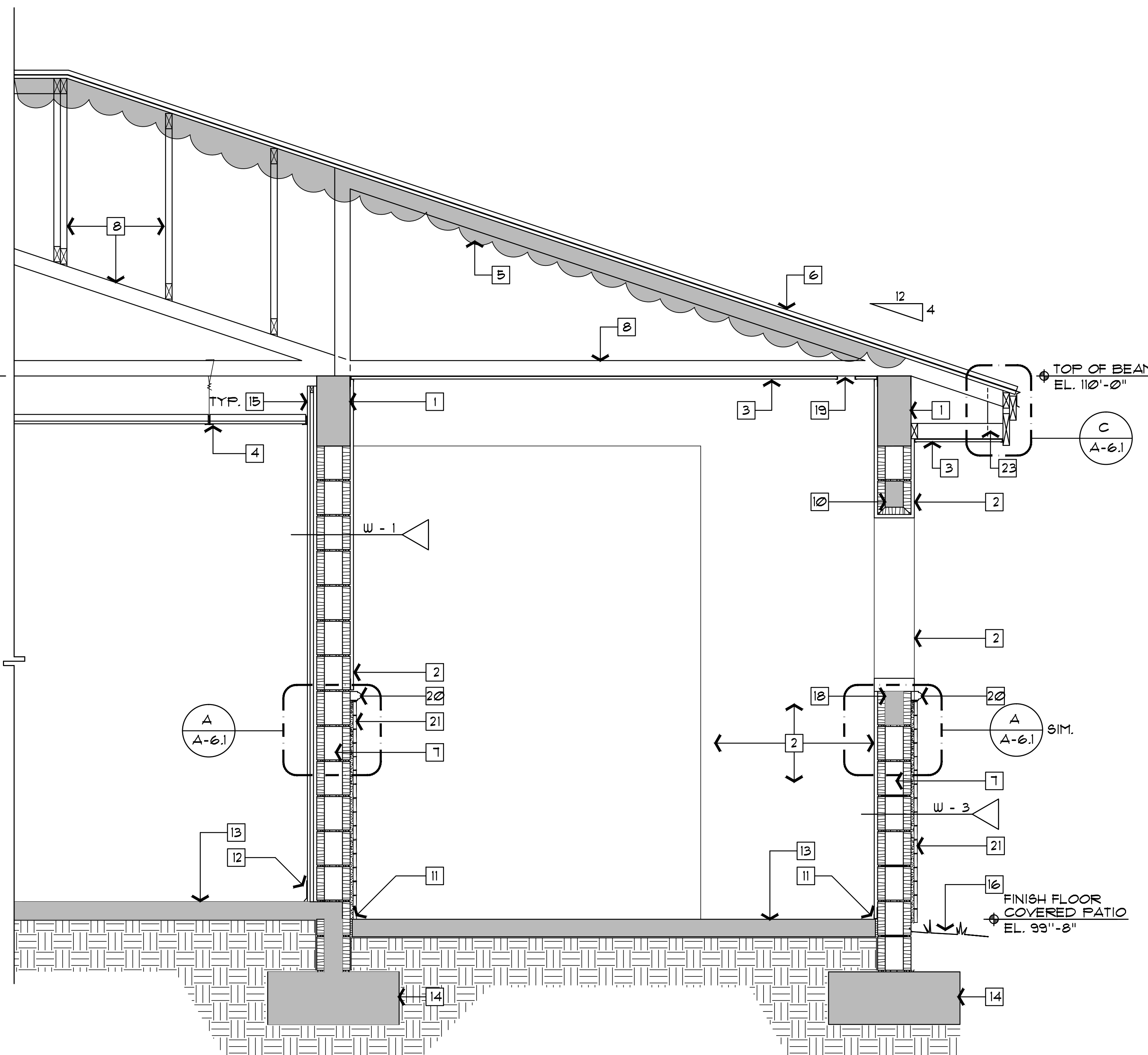
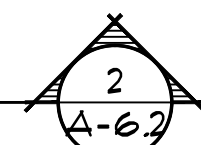
KEY NOTES

- 1 CONCRETE TIE BEAM - SEE STRUCTURAL DRAWINGS
- 2 3/4" CEMENT PLASTER FINISH
- 3 3/4" CEMENT PLASTER CEILING ON 3/8" PAPER BACKED RIB LATH ATTACHED DIRECTLY TO WOOD TRUSSES AND WOOD FRAMING
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- 7 8" CMU - PROVIDE HORIZ TRUSS TYPE REINF. AT 16" O.C. - START POINT SHALL BE FIN. FLOOR. SEE STRUCTURAL DWGS. FOR VERT. REINF.
- 8 PRE-ENGINEERED WOOD TRUSSES. SEE STRUCTURAL DWGS.
- 9 5/8" EXTERIOR GRADE GYPSUM BOARD ON SUSPENDED SYSTEM
- 10 CONT. KNOCKOUT BLOCK. SEE STRUCT. DWGS.
- 11 1/2" EXPANSION JOINT MATERIAL
- 12 4" VINYL BASE
- 13 4" CONC. SLAB ON 6 MIL VISQUEEN, ON COMPACTED TERMITE TREATED SOIL
- 14 CONC. FOOTING. SEE STRUCT. DWGS.
- 15 EXTEND GYP. BD. 8" ABOVE CLG. TYP. WITH 1" X 2" DRAFT STOP CONTINUOUS
- 16 FINISH GRADE
- 17 6" CONC. SLAB ON 6 MIL VISQUEEN, ON COMPACTED TERMITE TREATED SOIL
- 18 CONC. FILLED CELL - SEE STRUCT.
- 19 4" SOFFIT VENT CONT. SIM. TO FRY REGLET SOFFIT VENT FCS-15-V-400
- 20 2" x 2" PRECAST WAINSCOT WITH BULLNOSE FACE
- 21 THIN SET, STONE VENEER
- 22 NOT USED
- 23 P.T. 2 x 4 BOX FRAMING AT 24" O.C. ATTACH TO TRUSS AND MASONRY
- 24 TRUSS HANGER



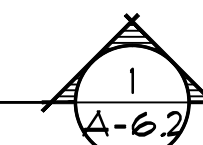
SECTION

SCALE: 3/4" = 1'-0"



SECTION

SCALE: 3/4" = 1'-0"



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