

Balcony at 4th floor

Based on calcs it looks like the east-west wall at grid 7 was given up on using as a shear wall due to the offsets that occur and all the windows. Calcs mention drag strut to dump shear into stair tower.

Demising/shear wall location at 4th floor. Post/beam framing at roof level

All glass at penthouse. Support be veirendeel steel frame

Demising/shear wall location stacks from roof to 2nd floor

Demising/shear wall location at 4th floor, below

Corridor has lots of jobs and openings and is offset between levels so appears to not be part of lateral system

Also CMU

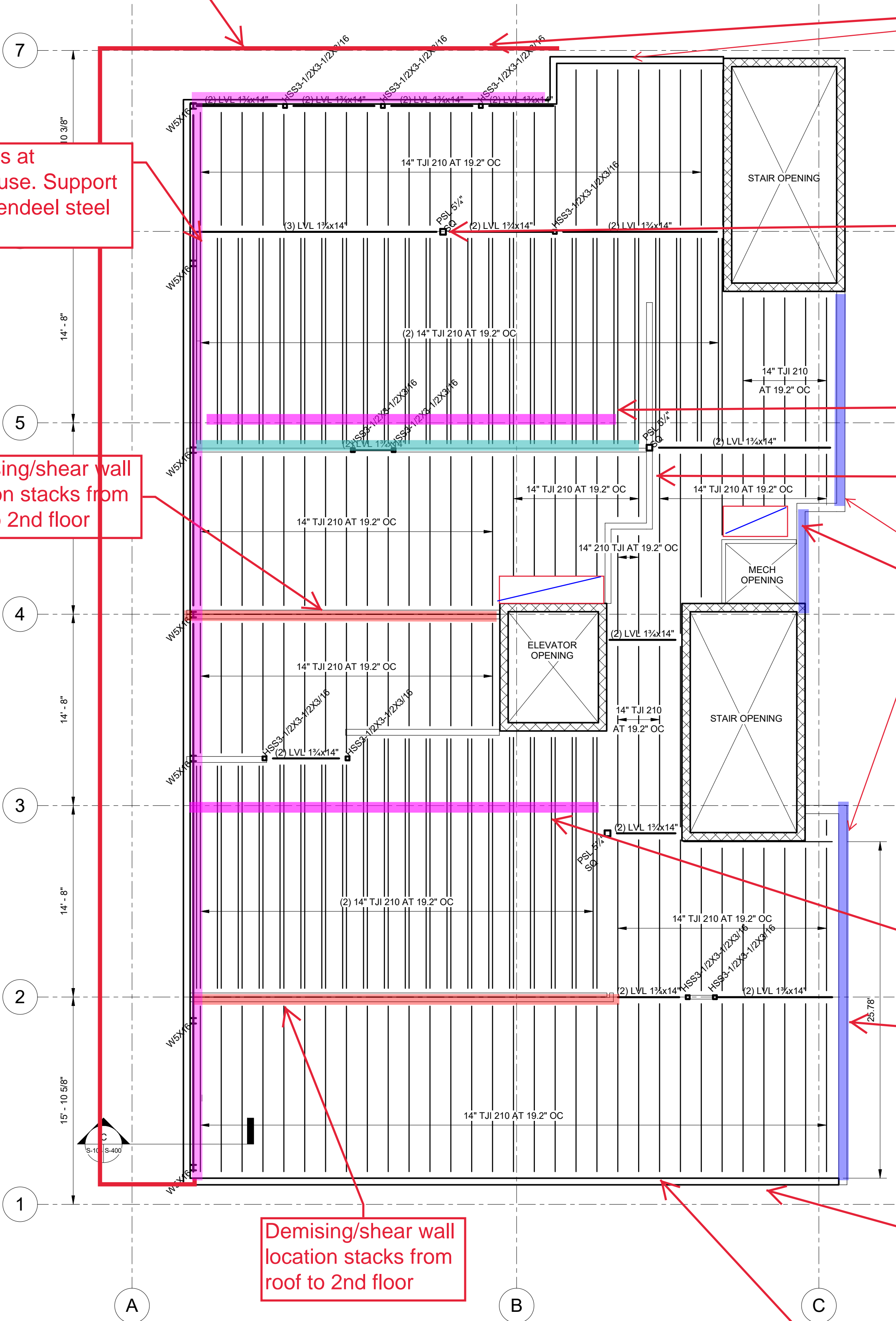
Demising/shear wall location at 4th floor, below

Based on calcs all cmu walls along grid C being used as shear walls.

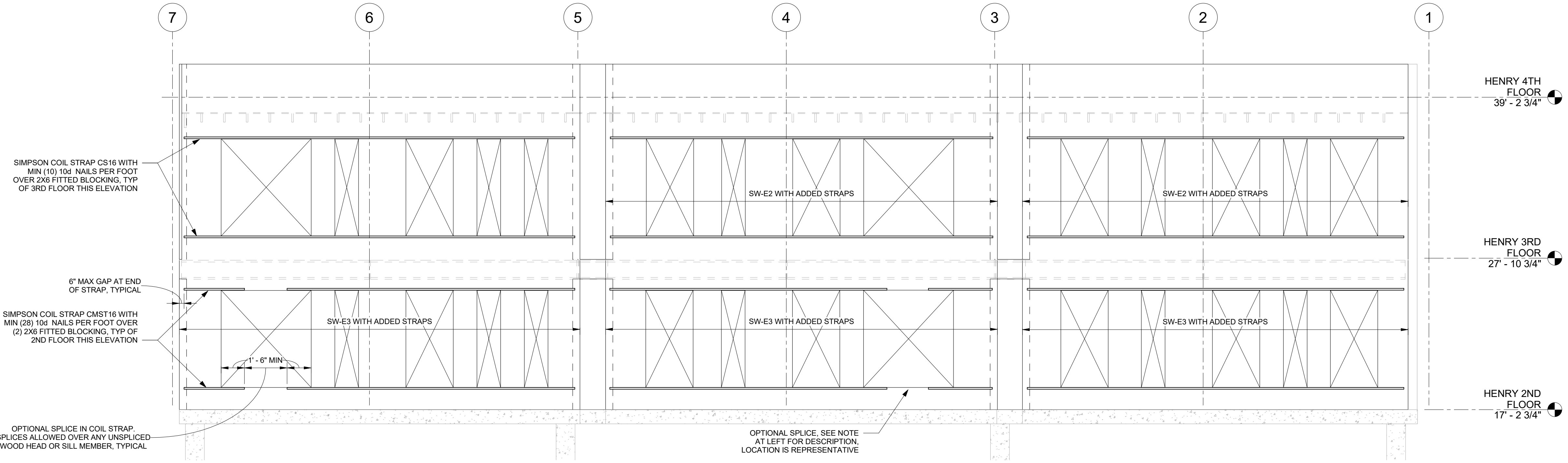
Demising/shear wall location stacks from roof to 2nd floor

Based on calcs, this wall is being used as wood shear wall at roof and then a cmu shear wall at lower levels

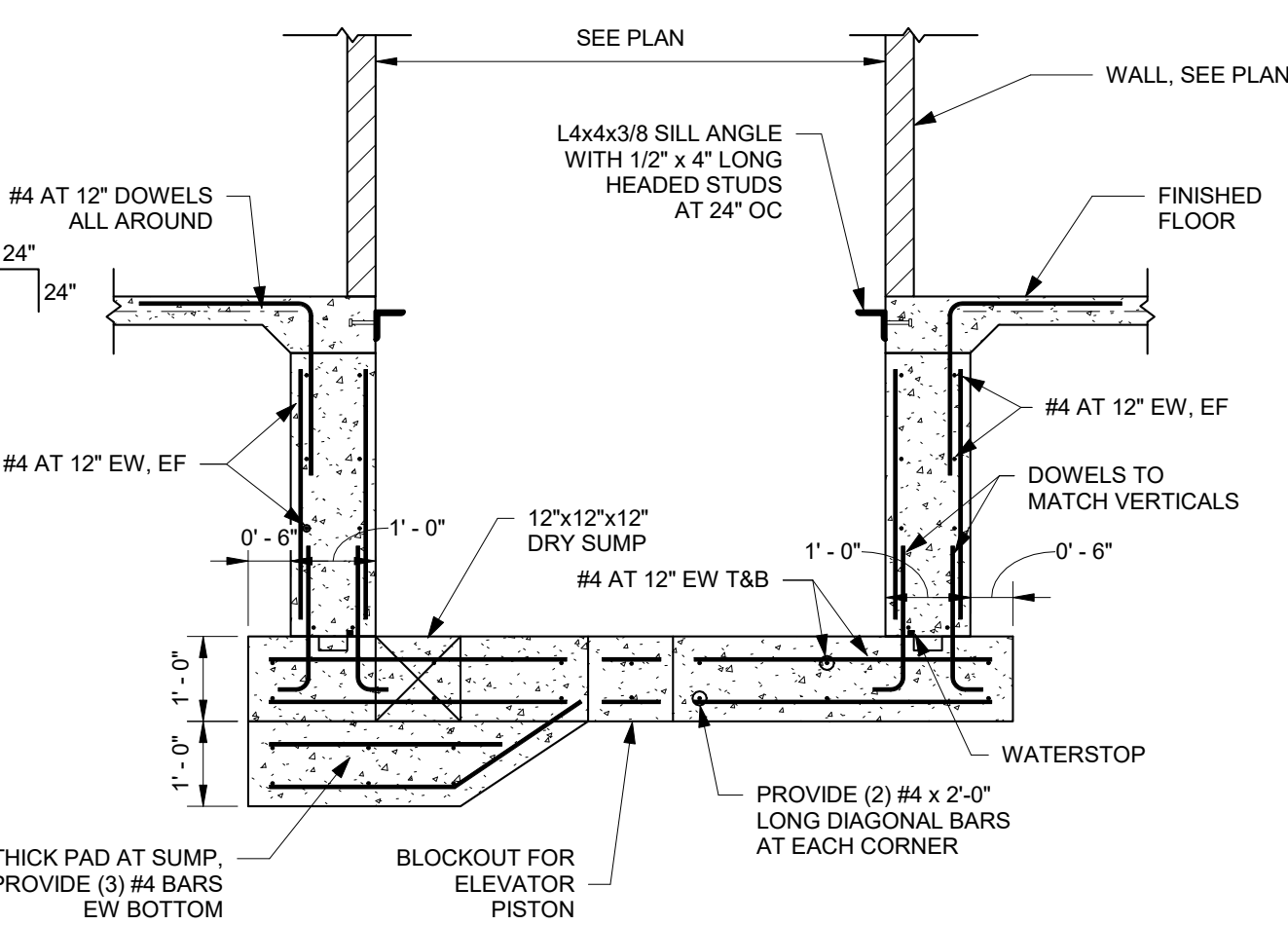
Wood wall at roof. CMU wall 4th floor to foundation



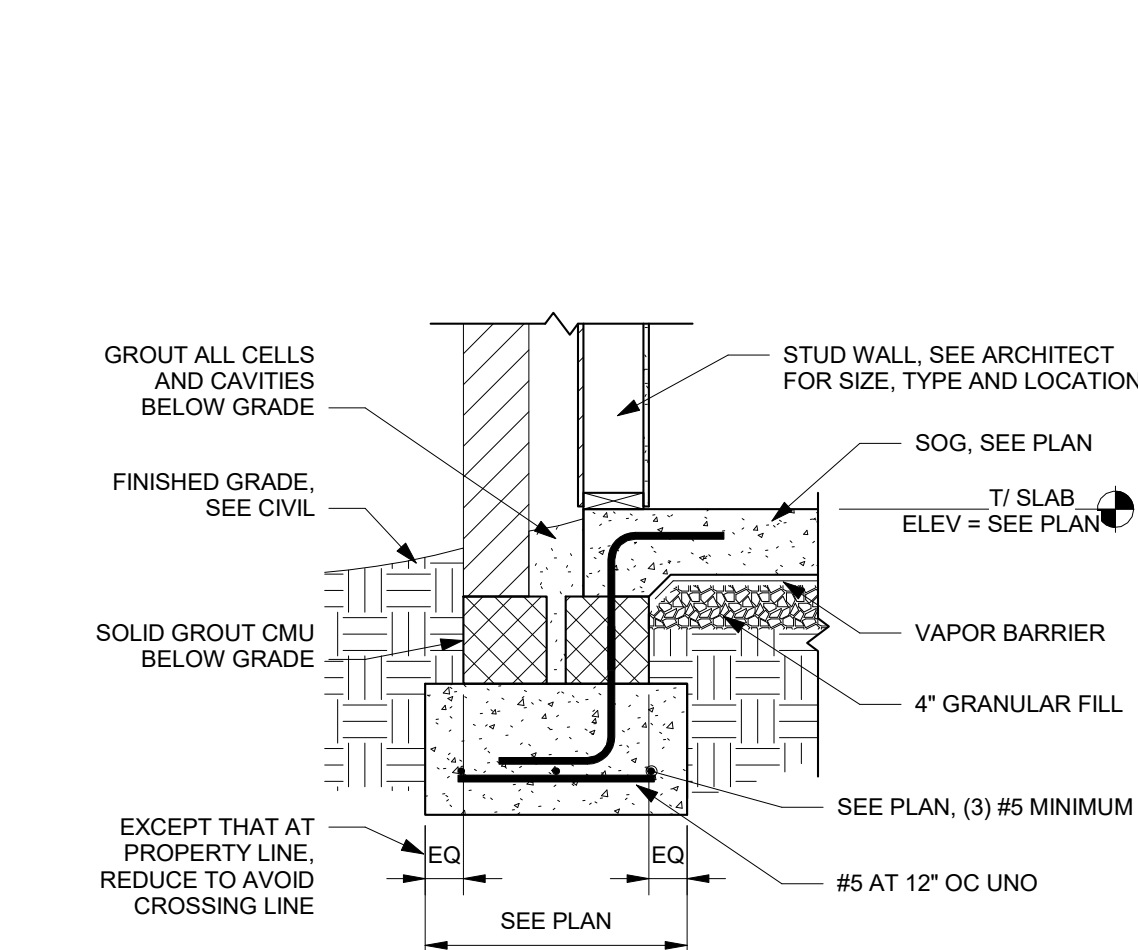
1 05 HENRY ROOF
S-105 3/16" = 1'-0"



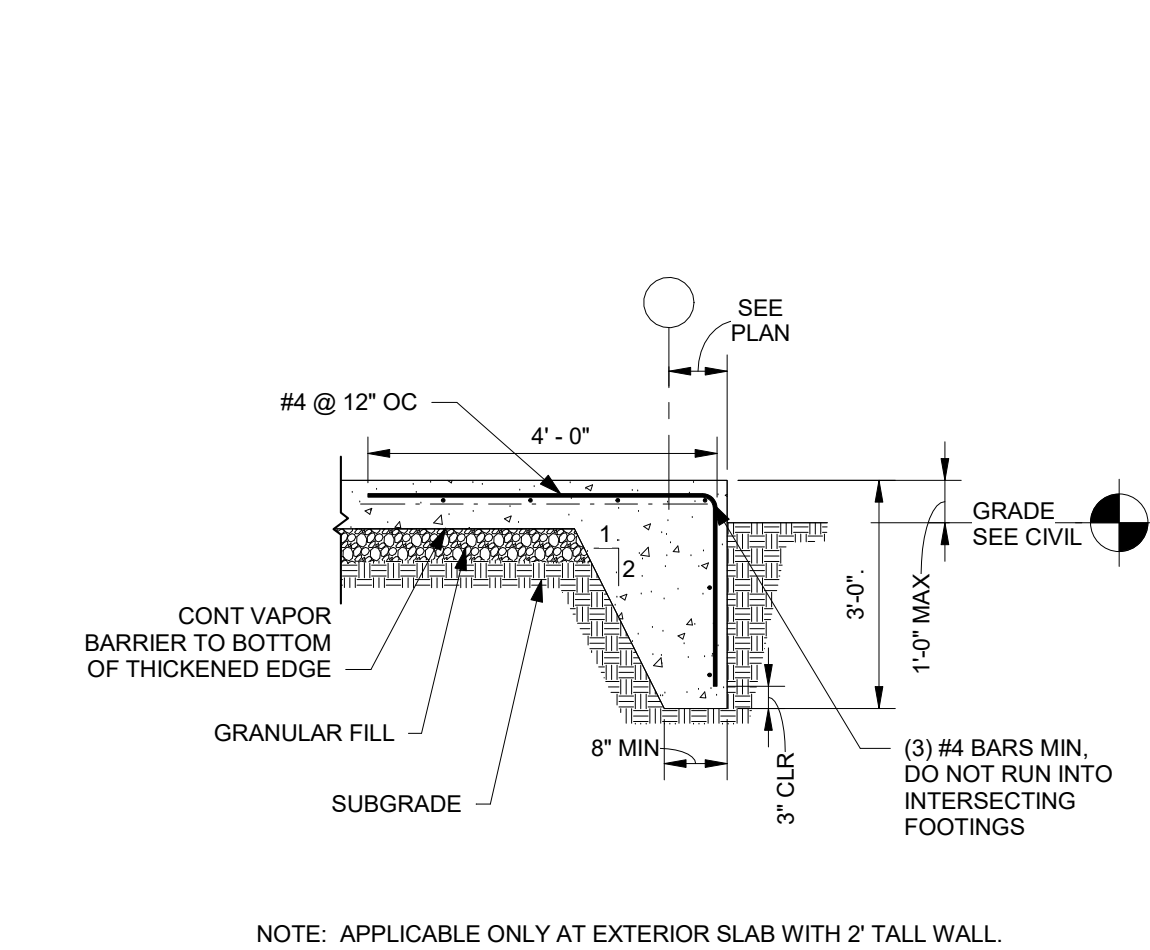
1 FTAO Straps - West Wall
NOT TO SCALE



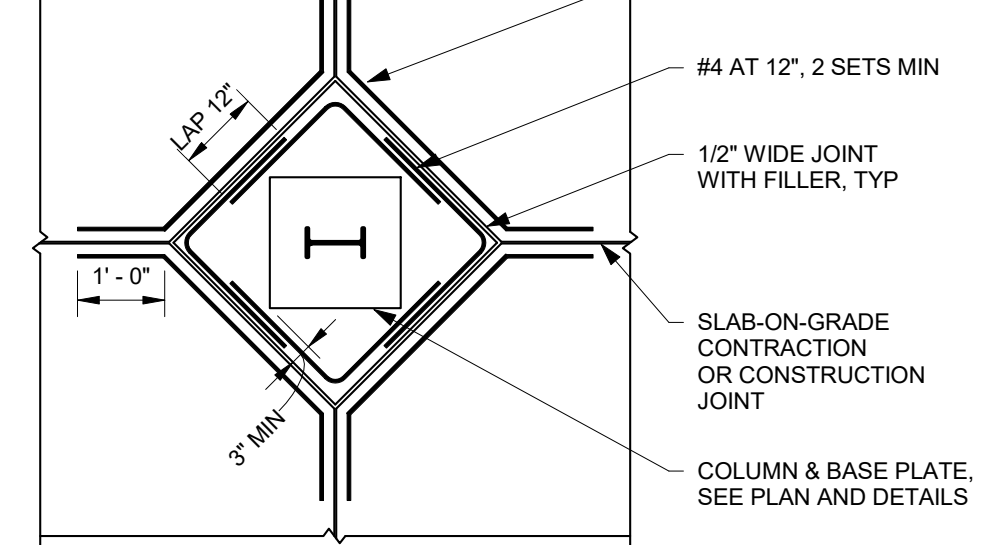
1 Typical Elevator Pit
NOT TO SCALE



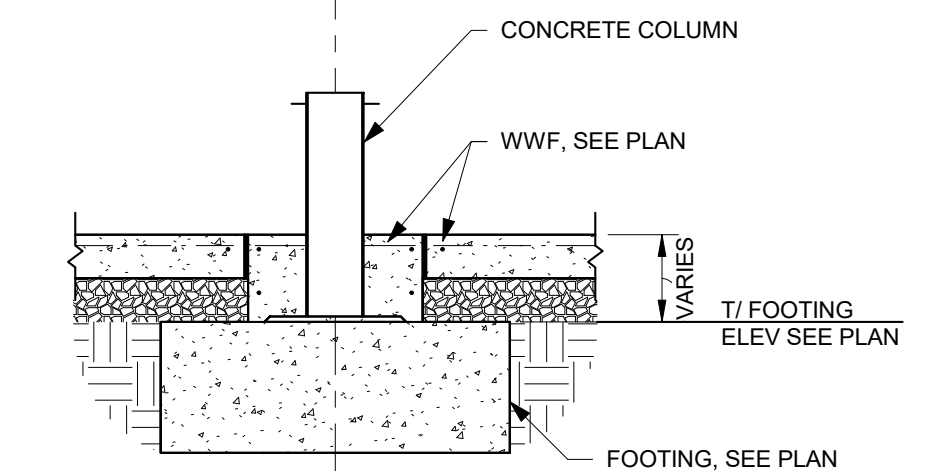
2 Typical Exterior Wall Footing
NOT TO SCALE



3 Typical Slab-on-Grade at Free Edge
NOT TO SCALE

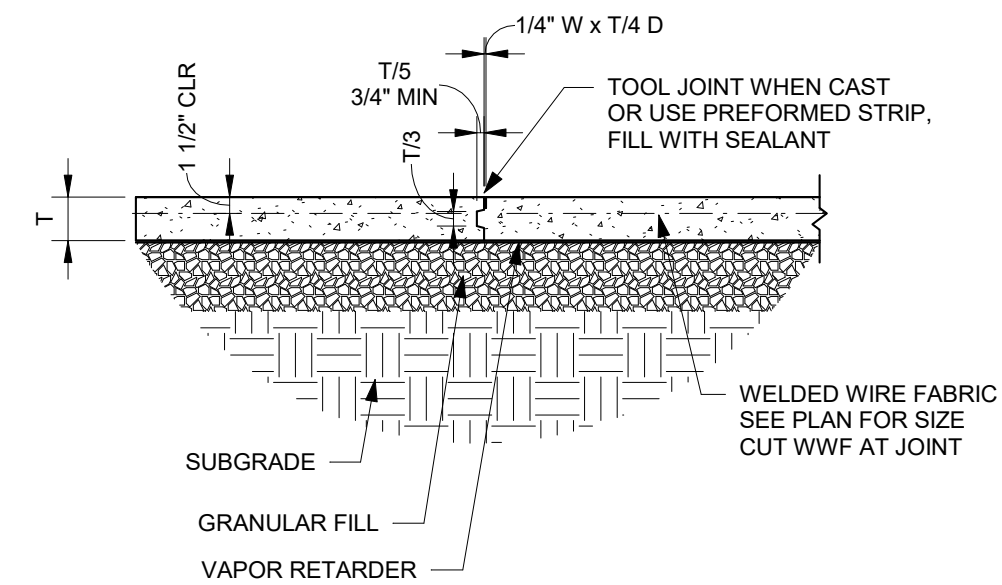


PLAN

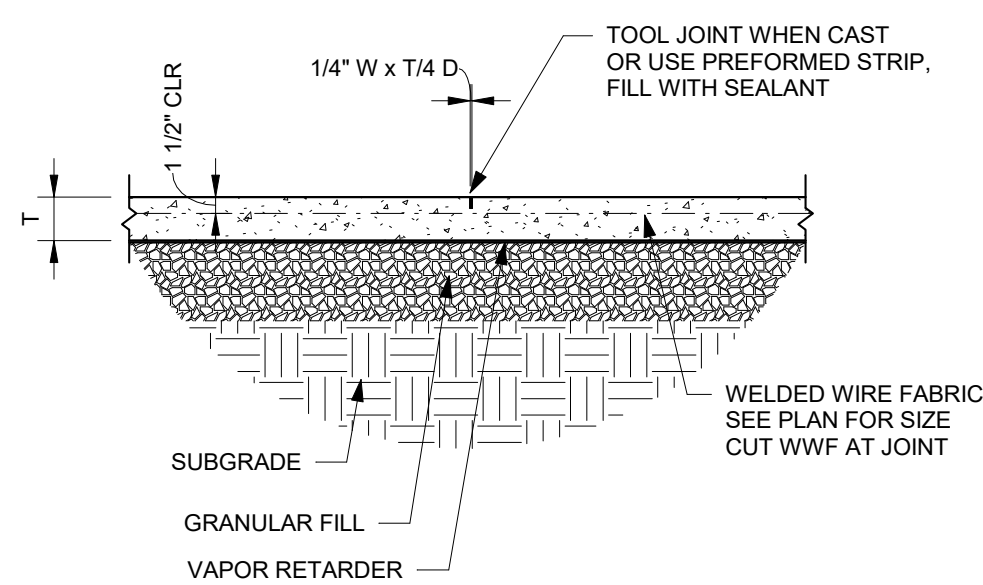


SECTION

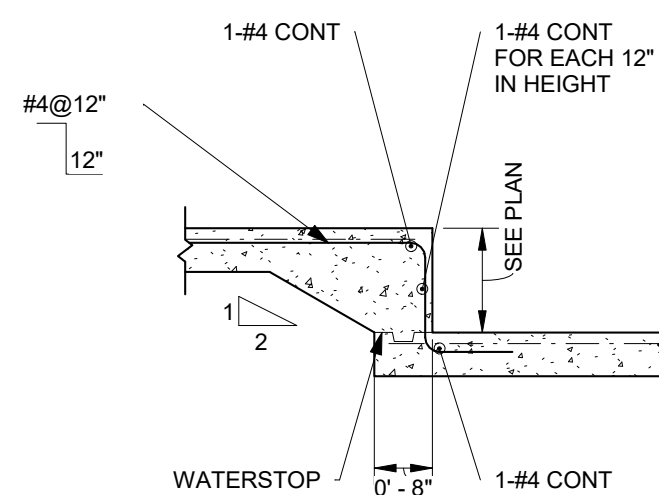
4 Typical Slab-On-Grade at Interior Column
NOT TO SCALE



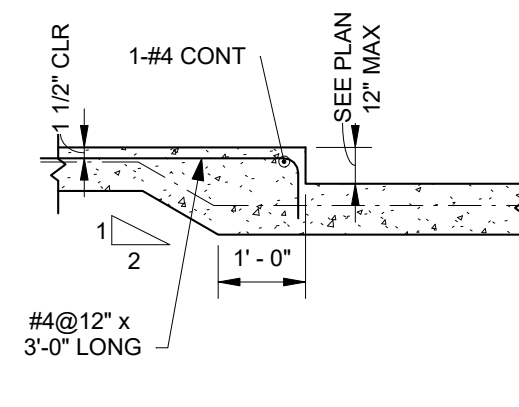
5 Typical Slab-On-Grade Construction Joint
NOT TO SCALE



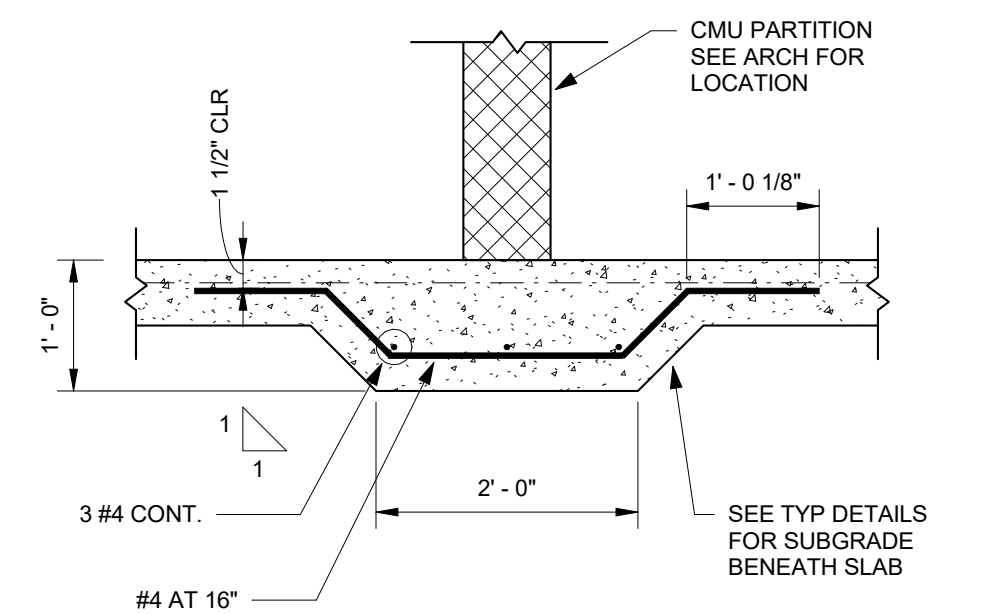
6 Typical Slab-On-Grade Contraction Joint
NOT TO SCALE



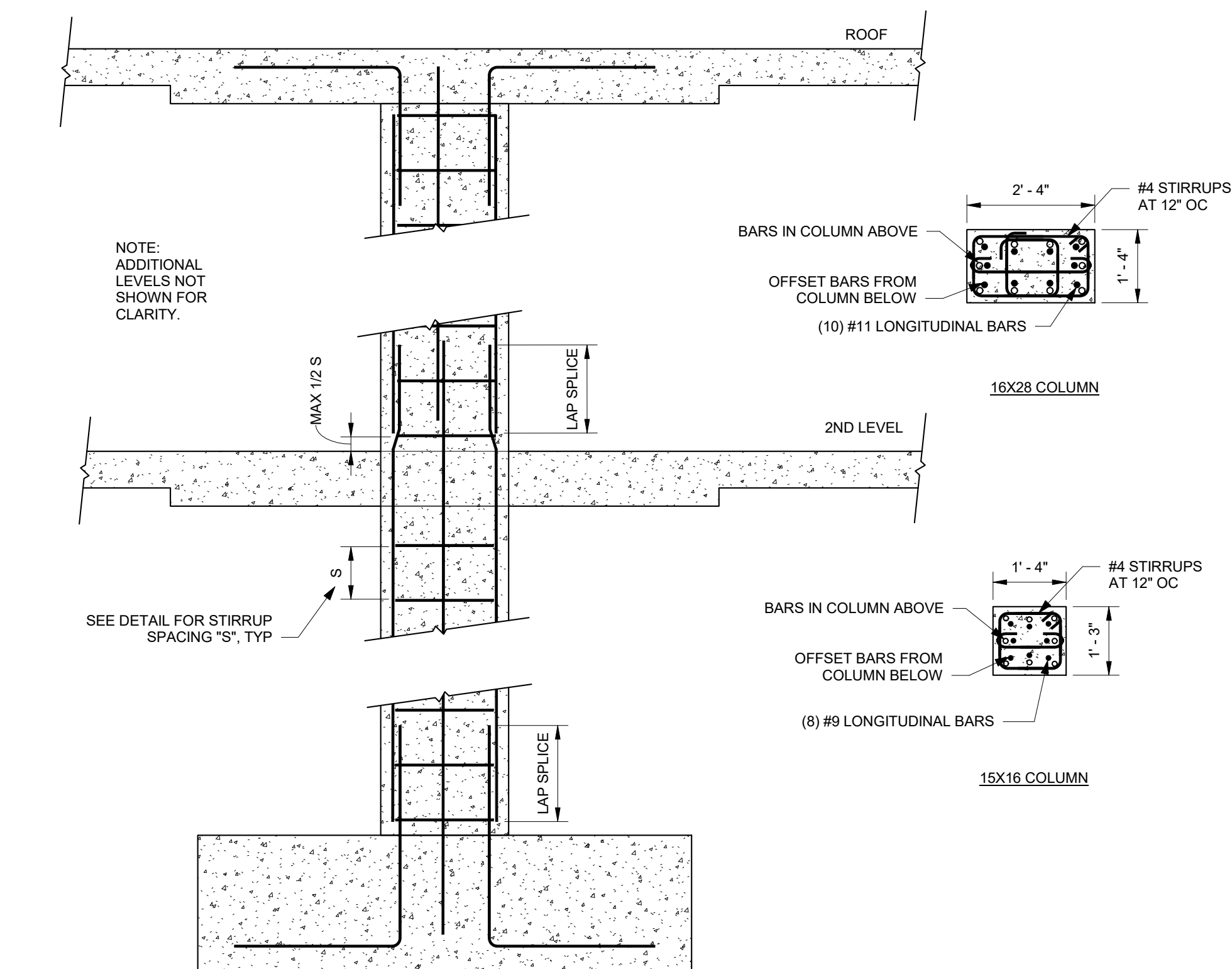
7 Typical Slab-On-Grade Depression Greater Than 12\"/>



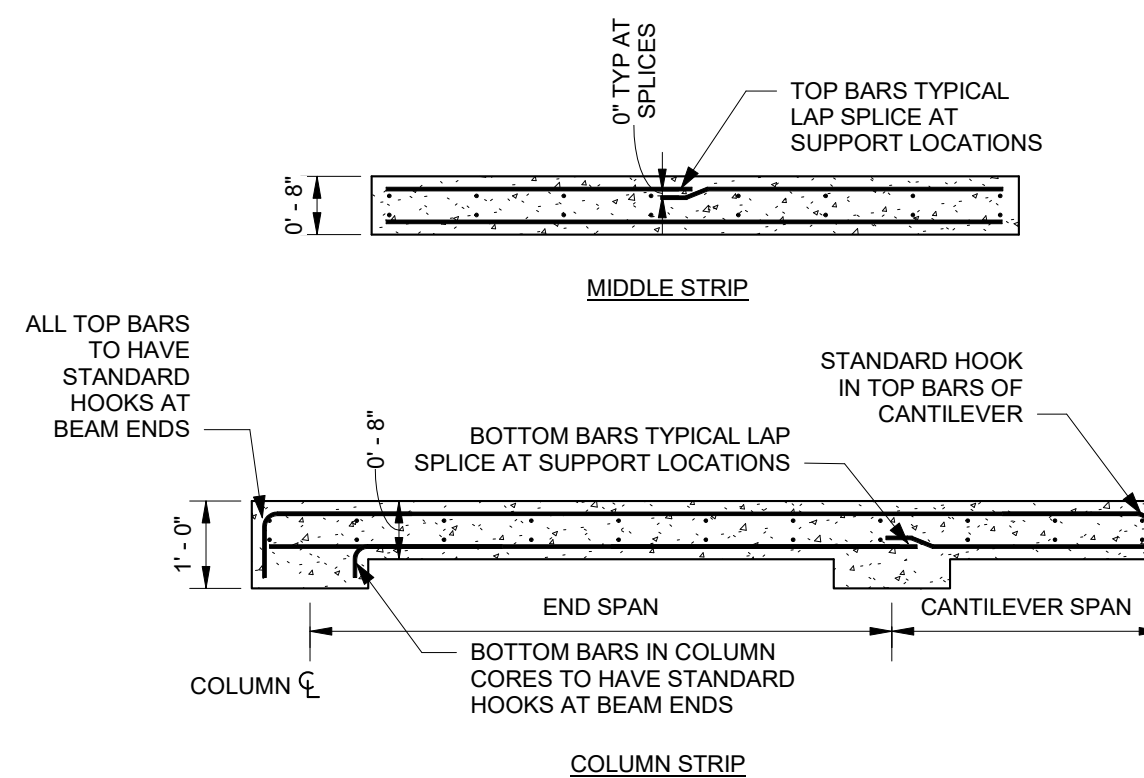
8 Typical Slab-On-Grade Depression ≤ 12\"/>



9 Typical Thickened Slab at Non-Bearing 8\"/>



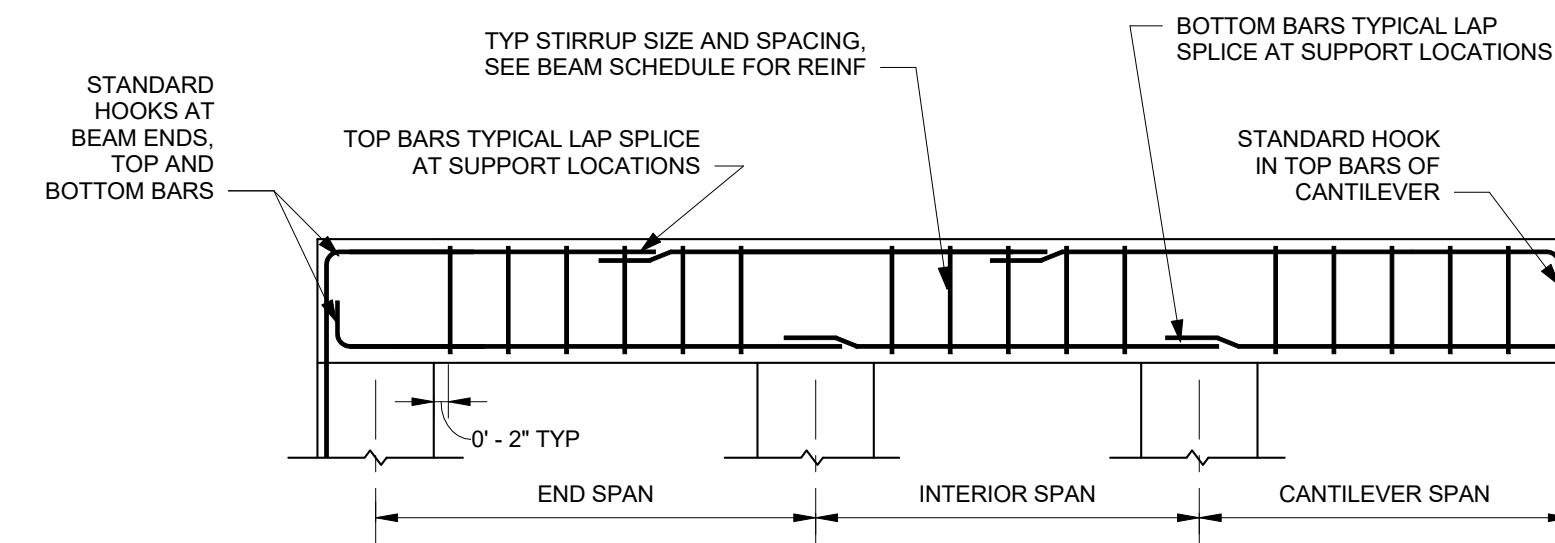
10 Typical Column Elevation and Detail
NOT TO SCALE



NOTES:

- ONLY BARS IN ONE DIRECTION ARE SHOWN. BARS IN OTHER DIRECTION ARE OMITTED FOR CLARITY.
- ALL BOTTOM BARS IN COLUMN STRIP MUST BE CONTINUOUS OR SPLICED OVER SUPPORT WITH CLASS B TENSION LAP. AT LEAST TWO BARS IN EACH DIRECTION MUST PASS WITHIN COLUMN CORE AND BE ANCHORED AT EXTERIOR SUPPORTS.

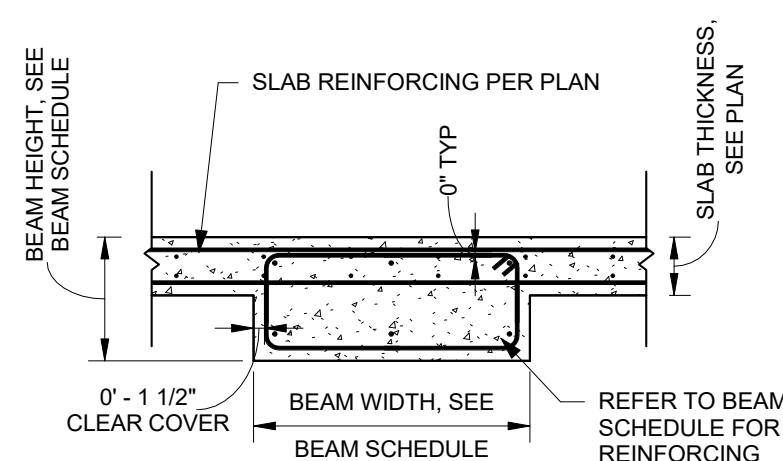
11 Typical Two Way Slab
NOT TO SCALE



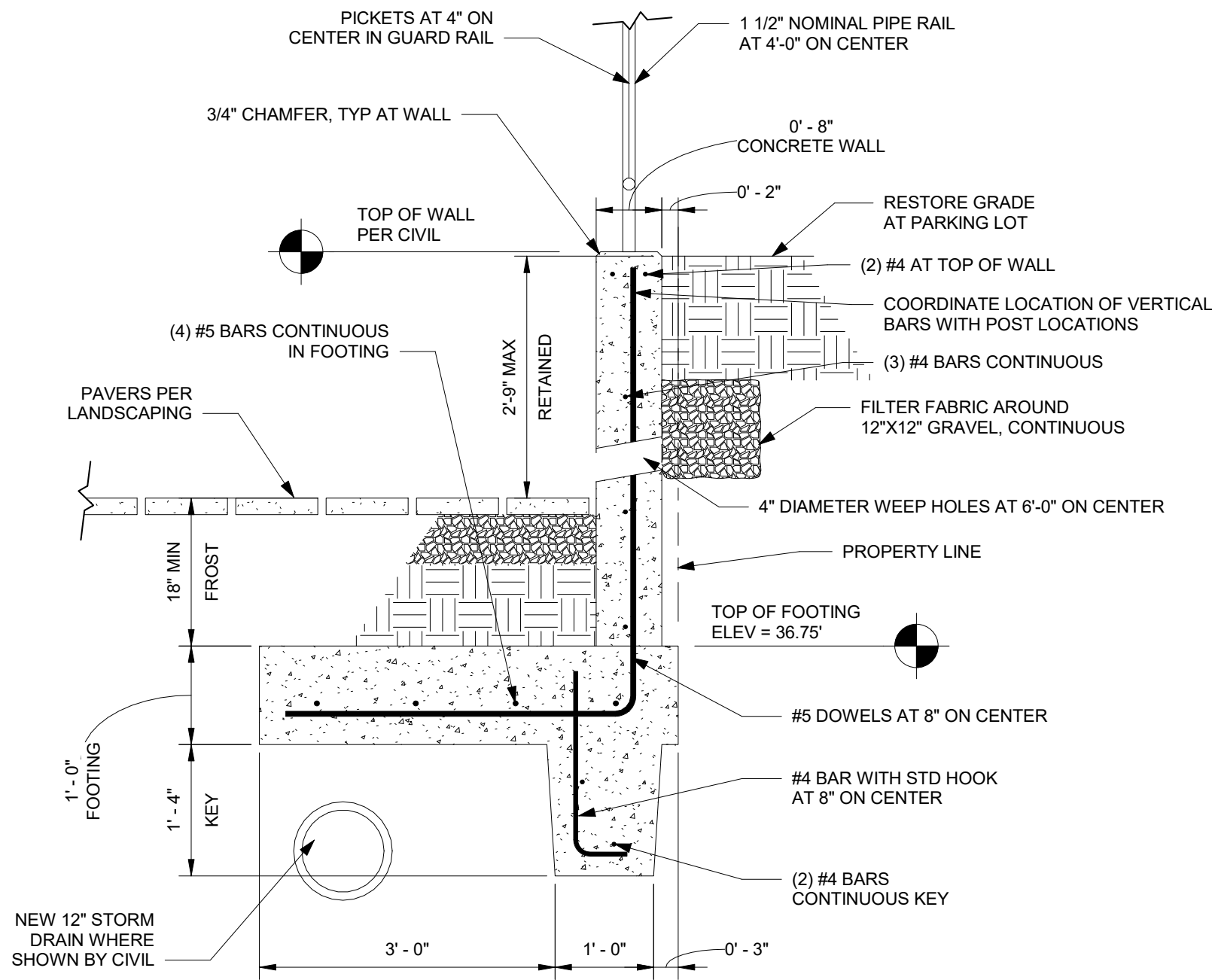
NOTES:

- WHERE SAME NUMBER AND SIZE OF REINF BARS CONTINUE FROM SPAN TO SPAN, SPLICES MAY BE OMITTED. WHERE SPLICES ARE PROVIDED, LOCATE TOP SPLICES AT MIDSPAN AND BOTTOM SPLICES OVER SUPPORTS AS INDICATED.
- STIRRUPS SHALL BE CLOSED STIRRUPS, UNO.

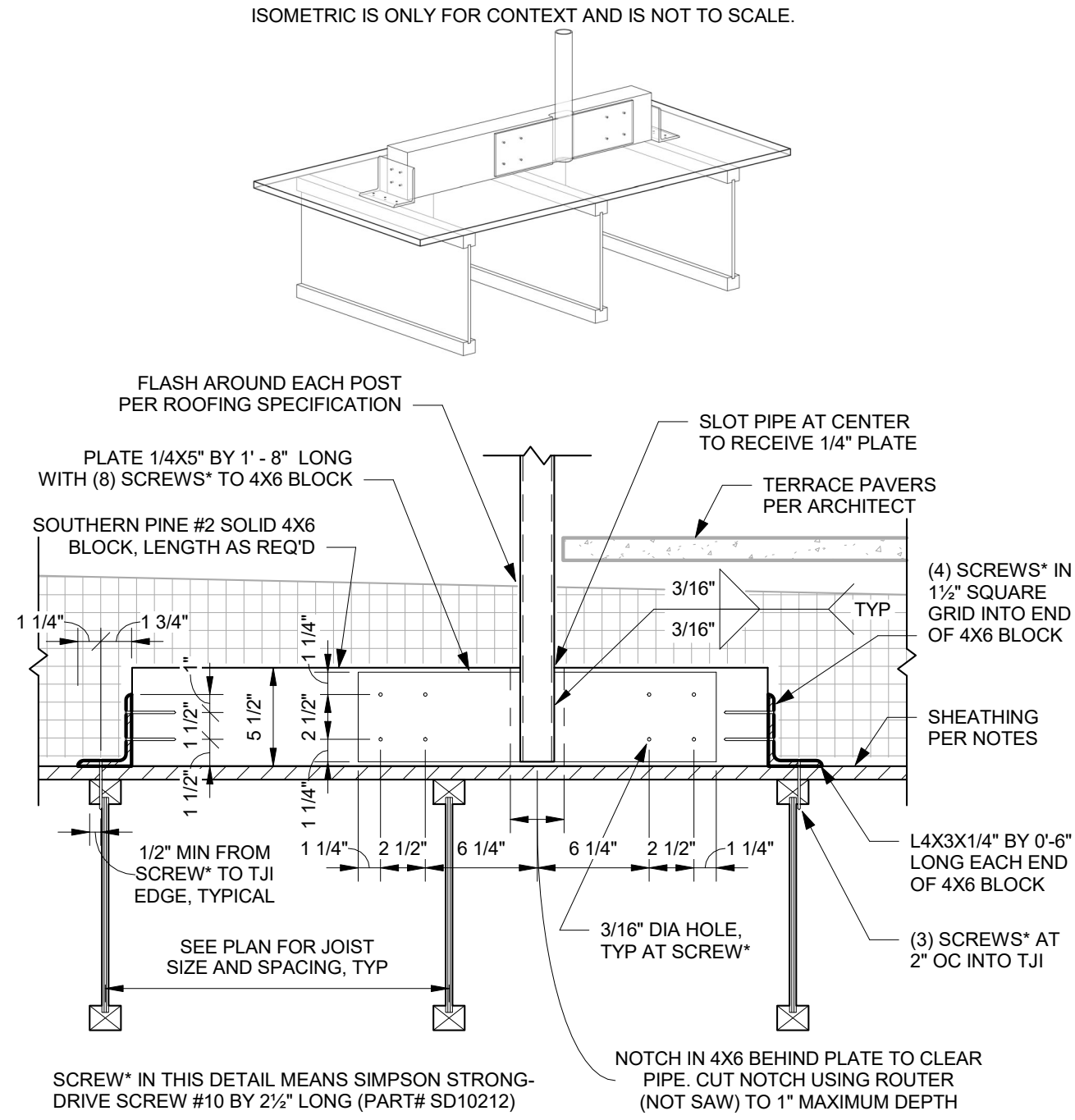
12 Typical Concrete Beam Elevation
NOT TO SCALE



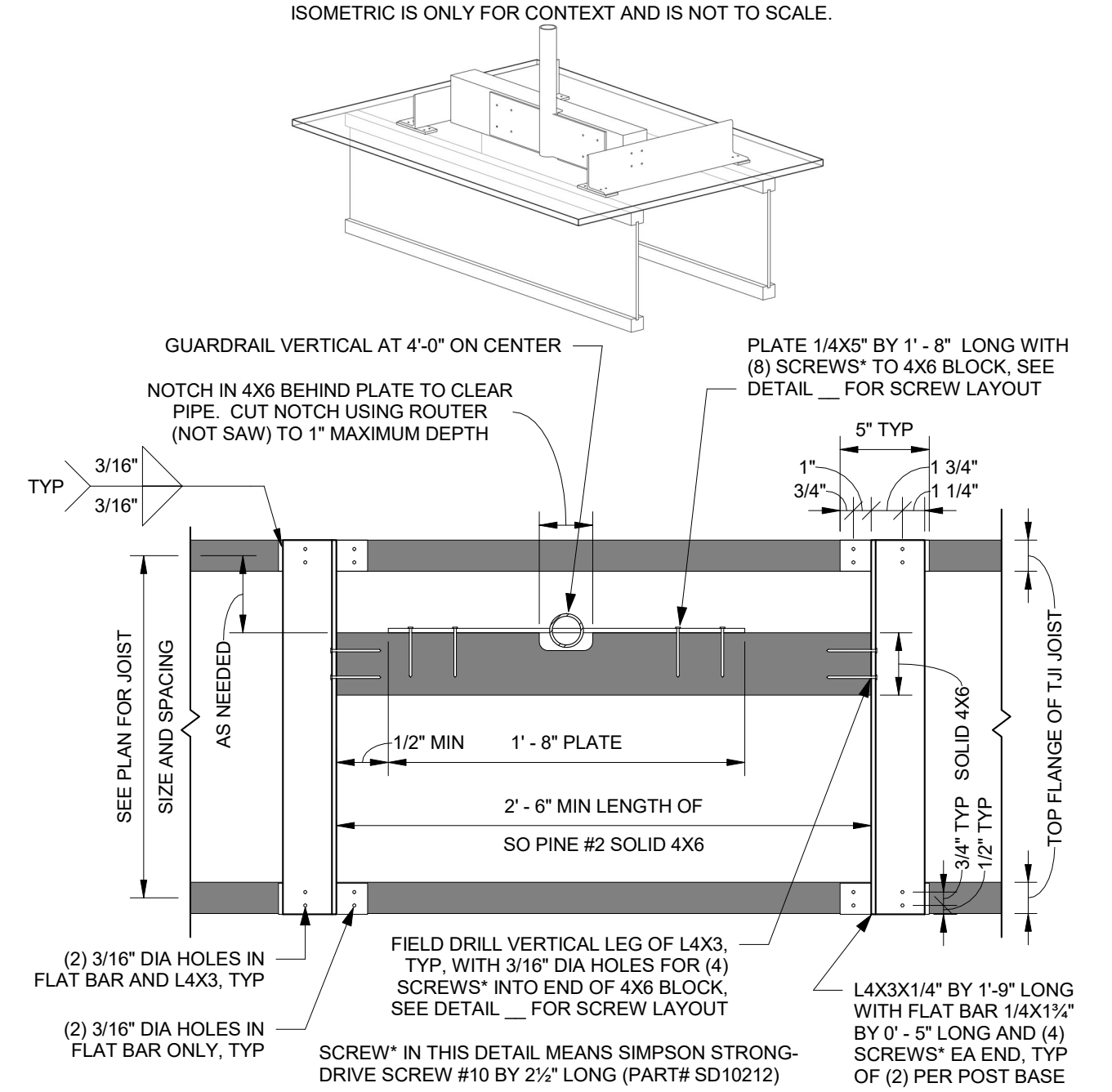
13 Typical Concrete Beam Detail
NOT TO SCALE



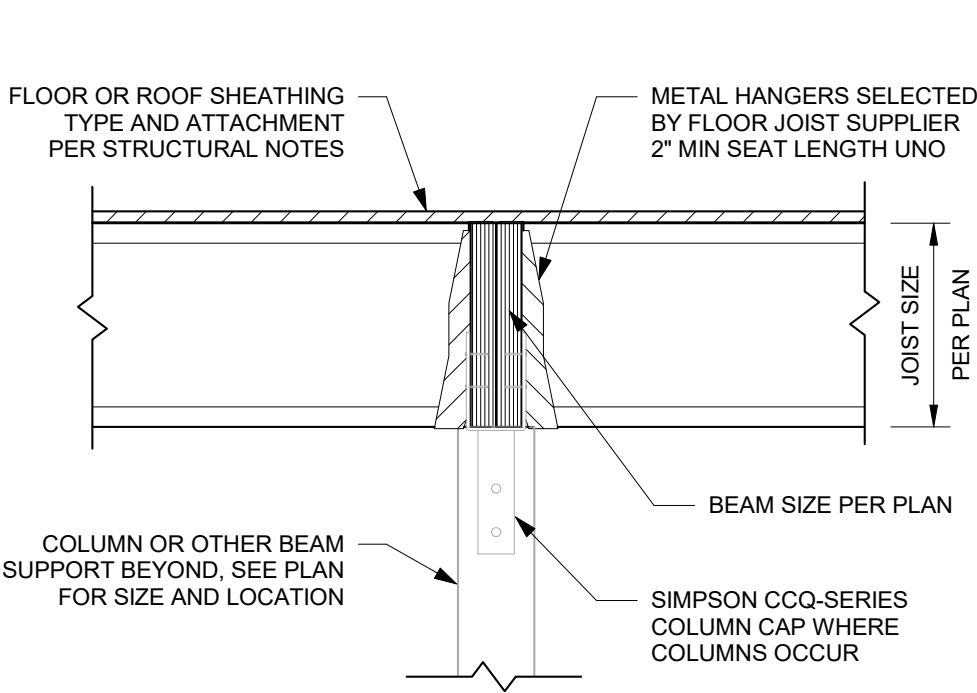
① Amenity Courtyard Site Wall
NOT TO SCALE



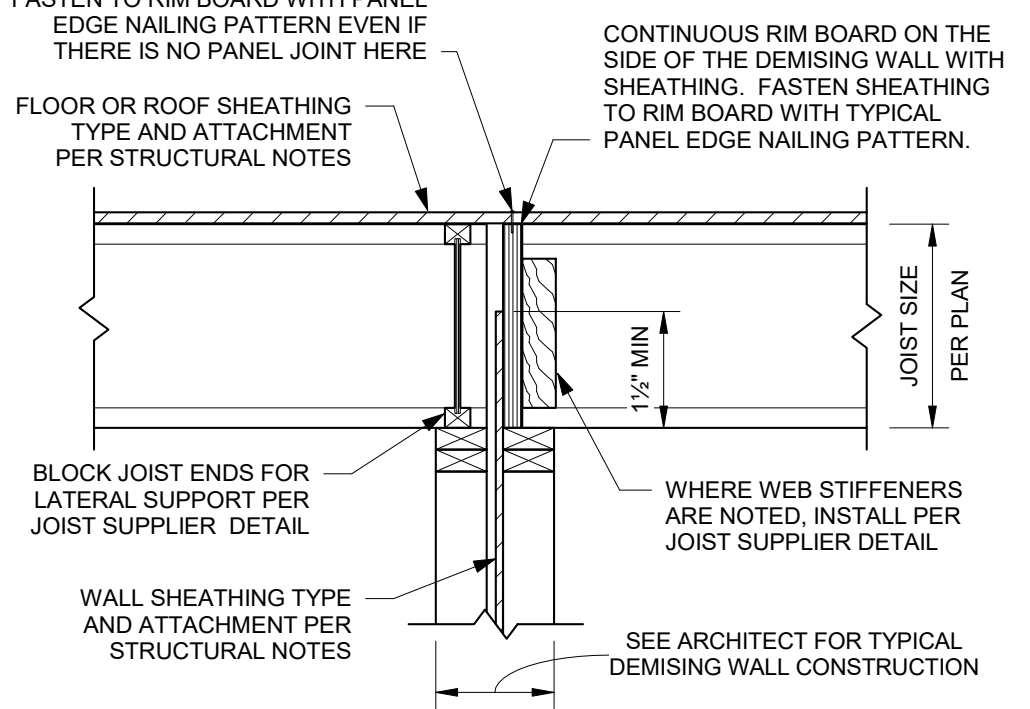
② Typical Roof Guardrail Base
NOT TO SCALE



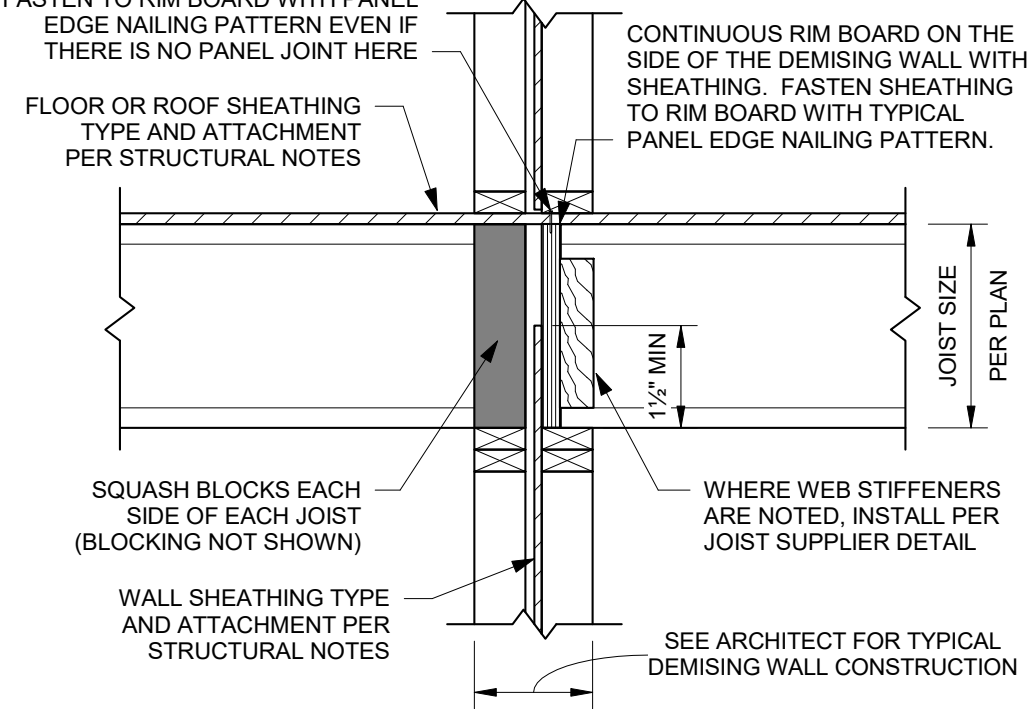
③ Typical Guardrail Base Perpendicular
NOT TO SCALE



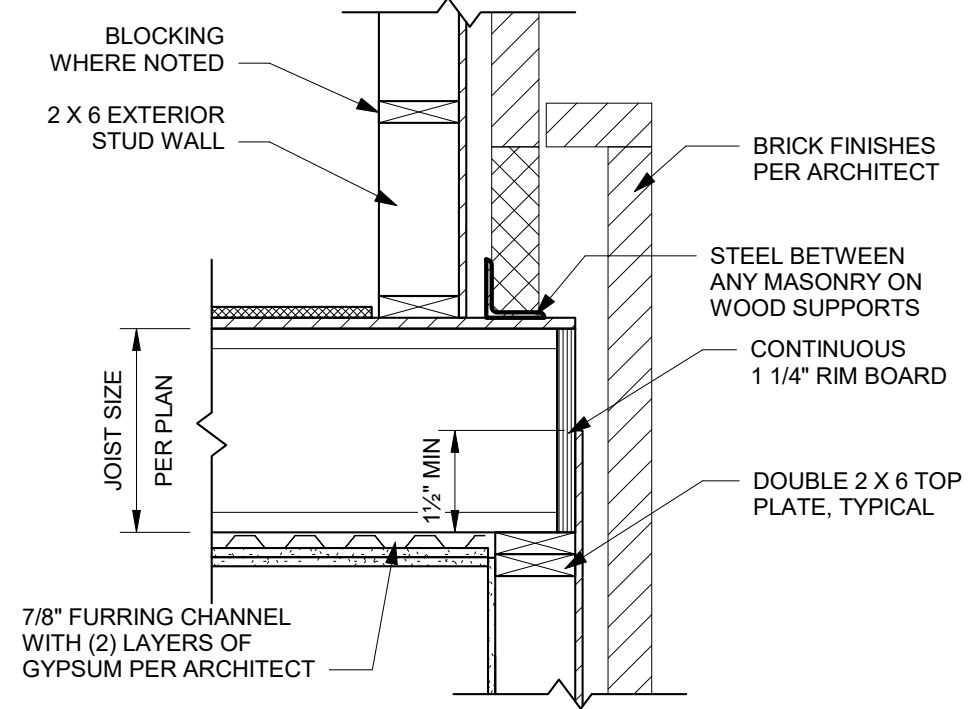
1 Typical Flush Beam Detail
NOT TO SCALE



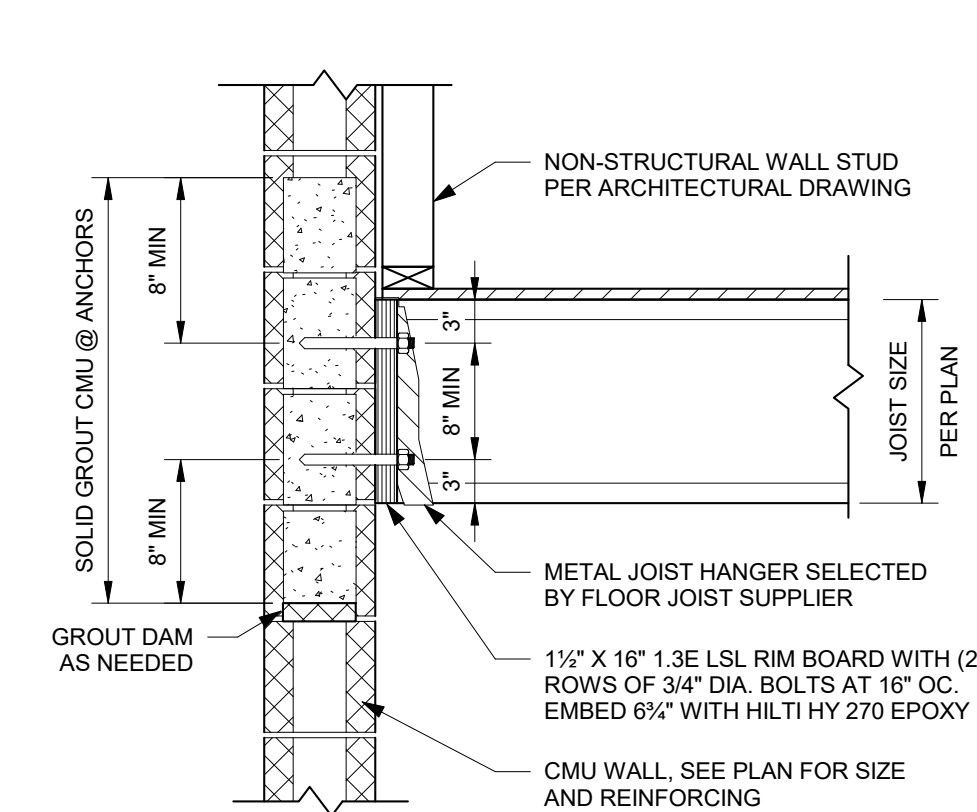
2 Typical Joist on Demising Wall
NOT TO SCALE



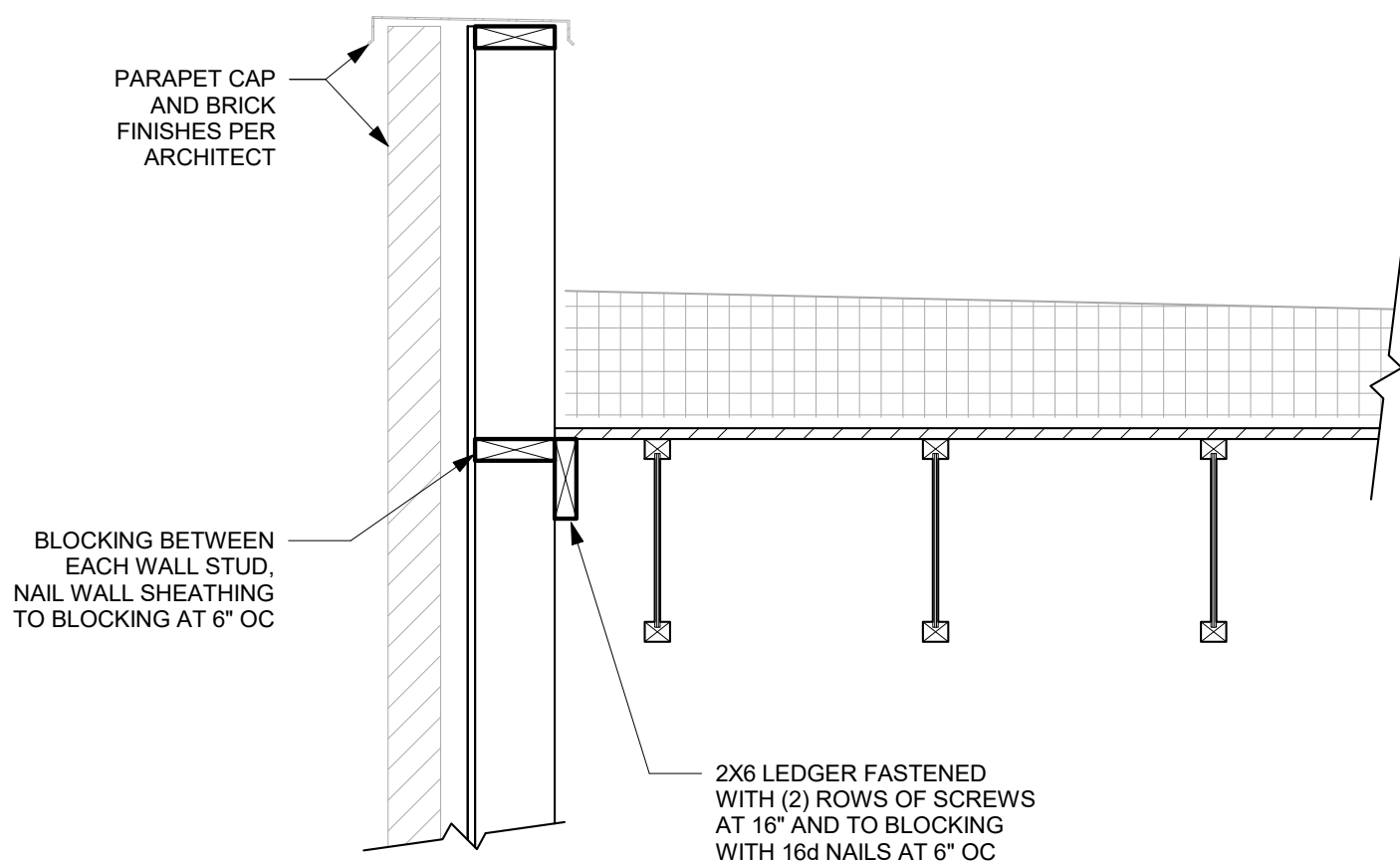
3 Typical Stacked Demising Wall
NOT TO SCALE



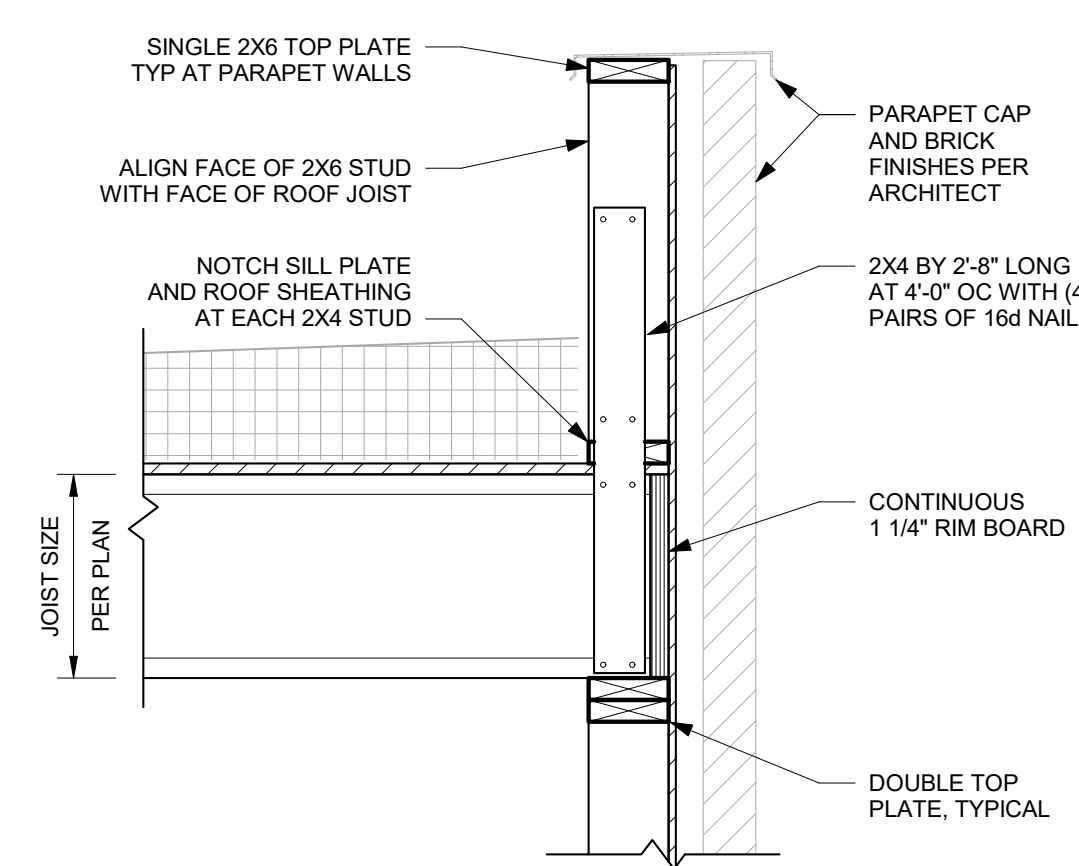
4 Typical Joist @ Ext Wall
NOT TO SCALE



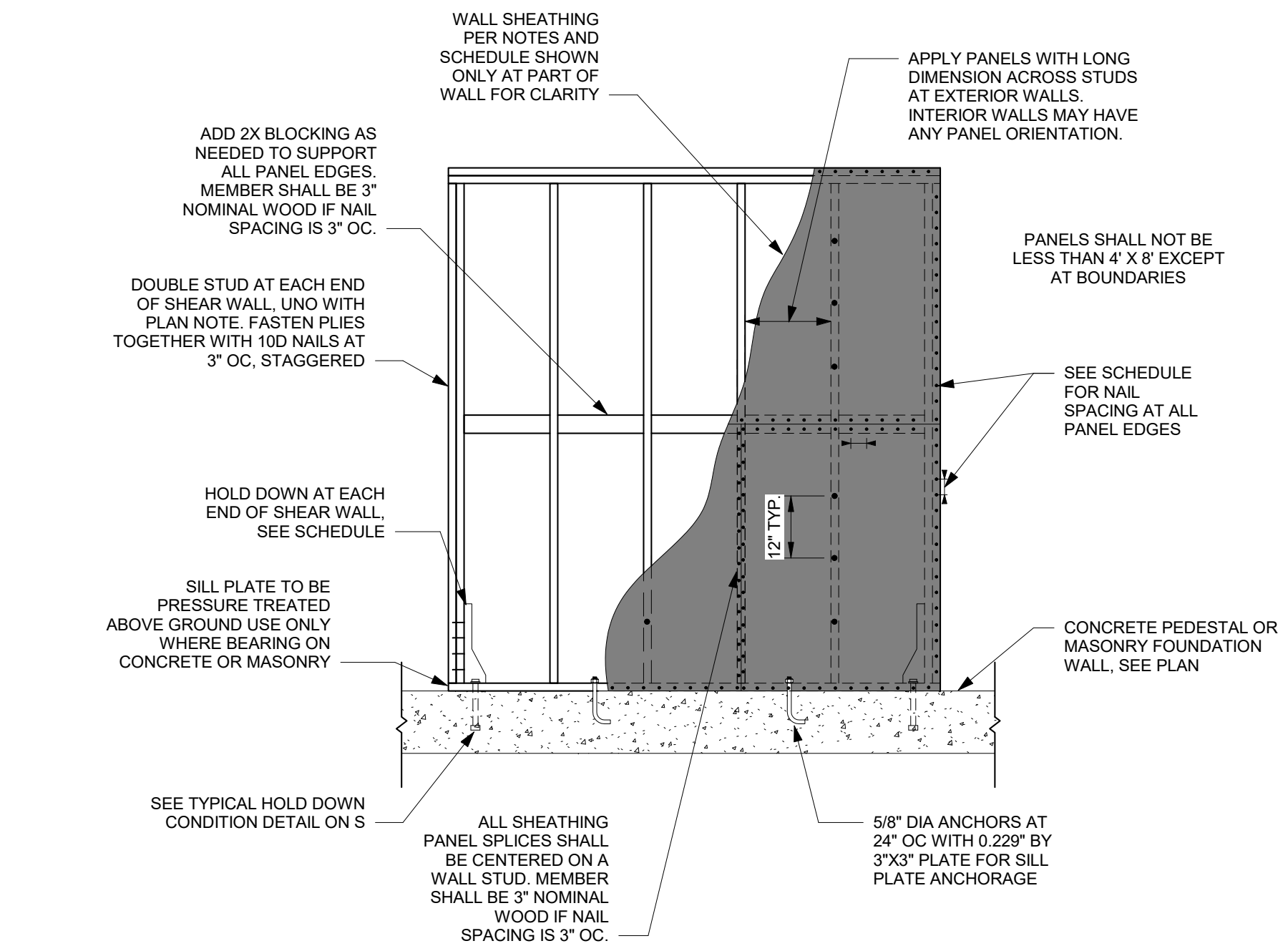
5 Typical Ledger At CMU
1" = 1'-0"



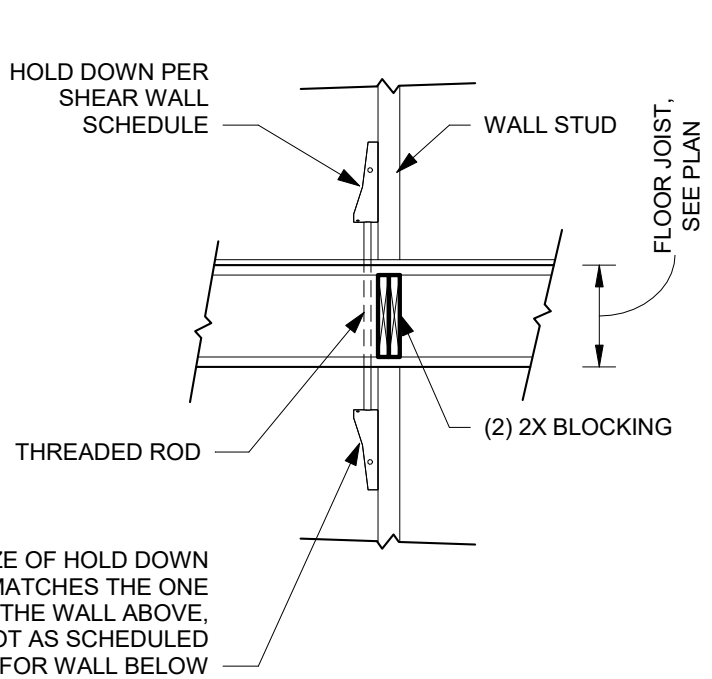
6 Typical Parapet at Non-Bearing Wall
NOT TO SCALE



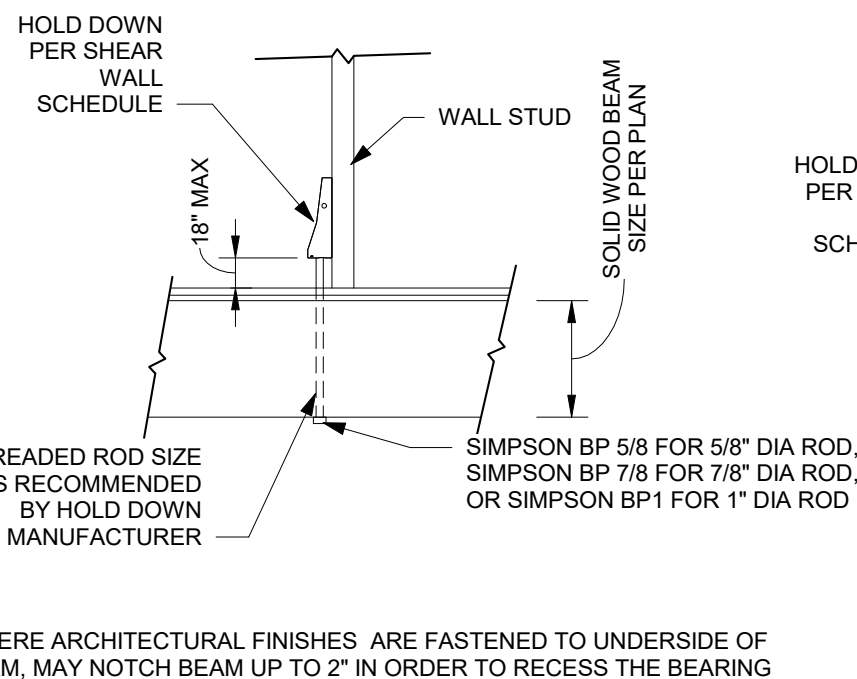
7 Typical Parapet at Bearing Wall
NOT TO SCALE



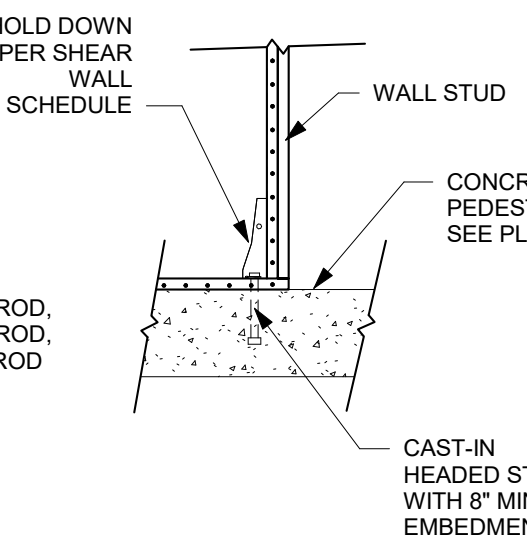
8 Typical Sheathed Wall Detail
NOT TO SCALE



HDU TIE BETWEEN FLOORS



HDU ON BEAM

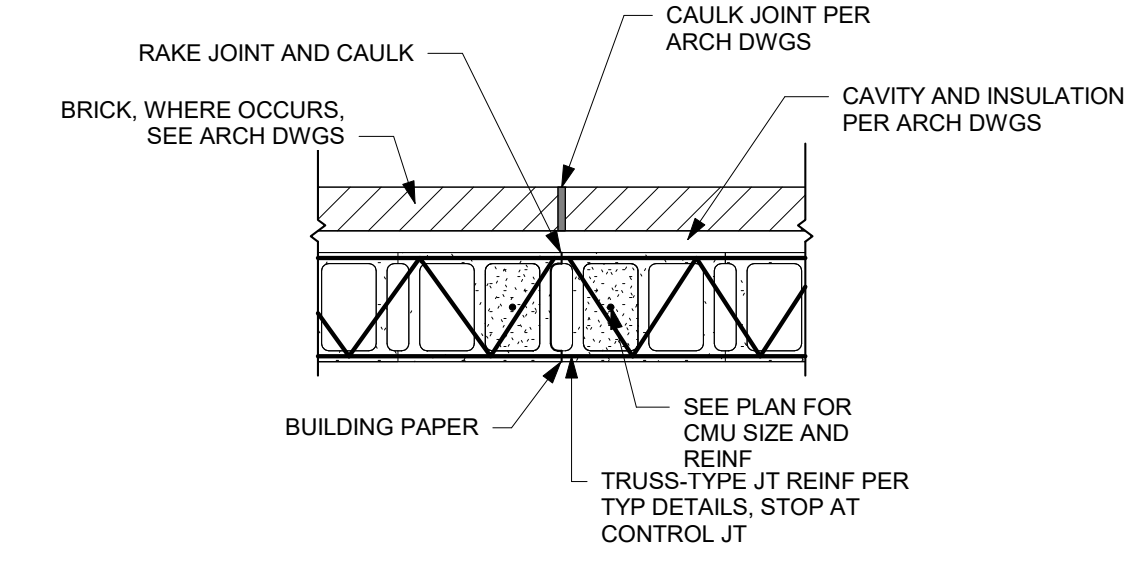


HDU AT PEDESTAL

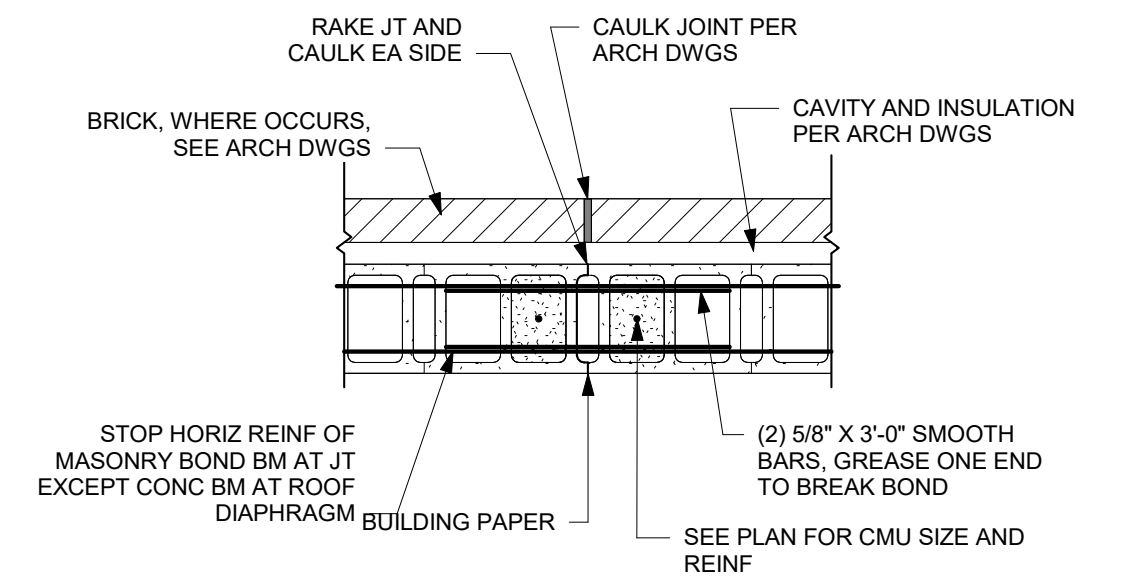
9 Typical Hold Down Conditions
NOT TO SCALE

SHEAR WALL SCHEDULE			
WALL ID	SHEATHING TYPE	NAIL SPACING	HOLD DOWN
SW-E1	19/32" WITH 10d NAILS	6" OC	SIMPSON HDU-4
SW-E2	19/32" WITH 10d NAILS	4" OC	SIMPSON HDU-4
SW-E3	19/32" WITH 10d NAILS	3" OC	SIMPSON HDU-4
SW-1	15/32" WITH 8d NAILS	6" OC	SIMPSON HDU-4
SW-2	15/32" WITH 8d NAILS	4" OC	SIMPSON HDU-4
SW-3	15/32" WITH 8d NAILS	4" OC	SIMPSON HDU-8
SW-4	15/32" WITH 8d NAILS	3" OC	SIMPSON HDU-11

10 Shear Wall Schedule
NOT TO SCALE

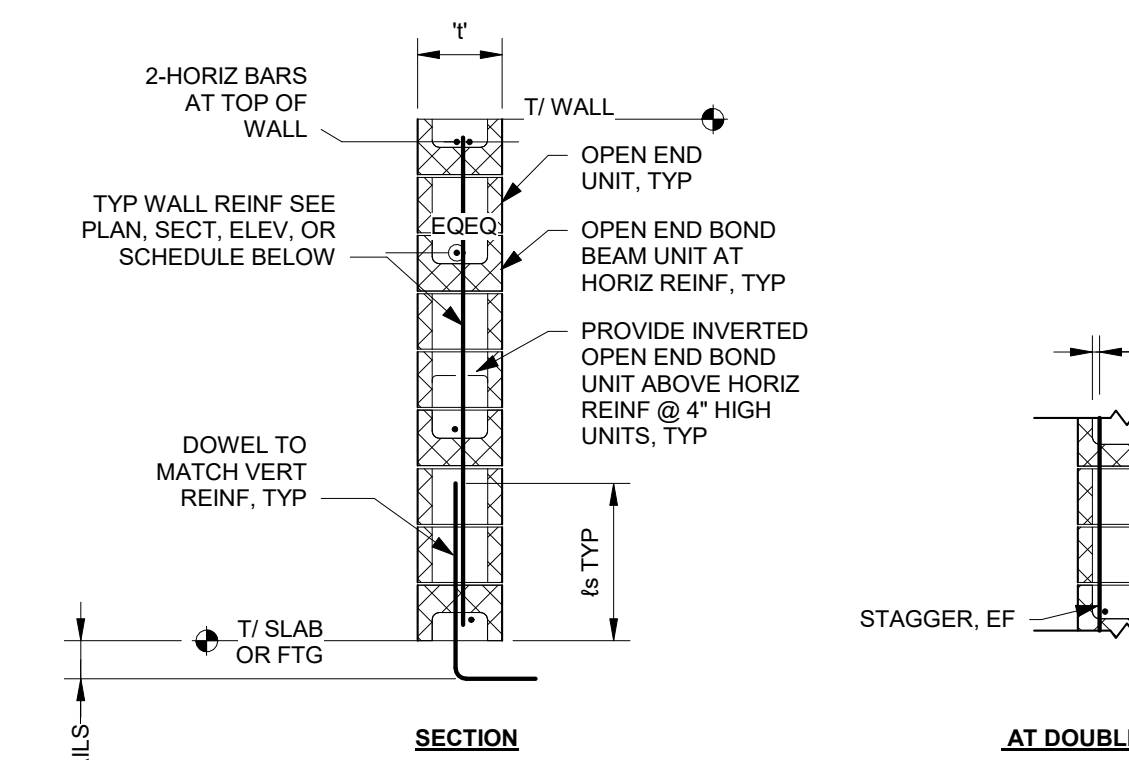


AT REGULAR BLOCKS

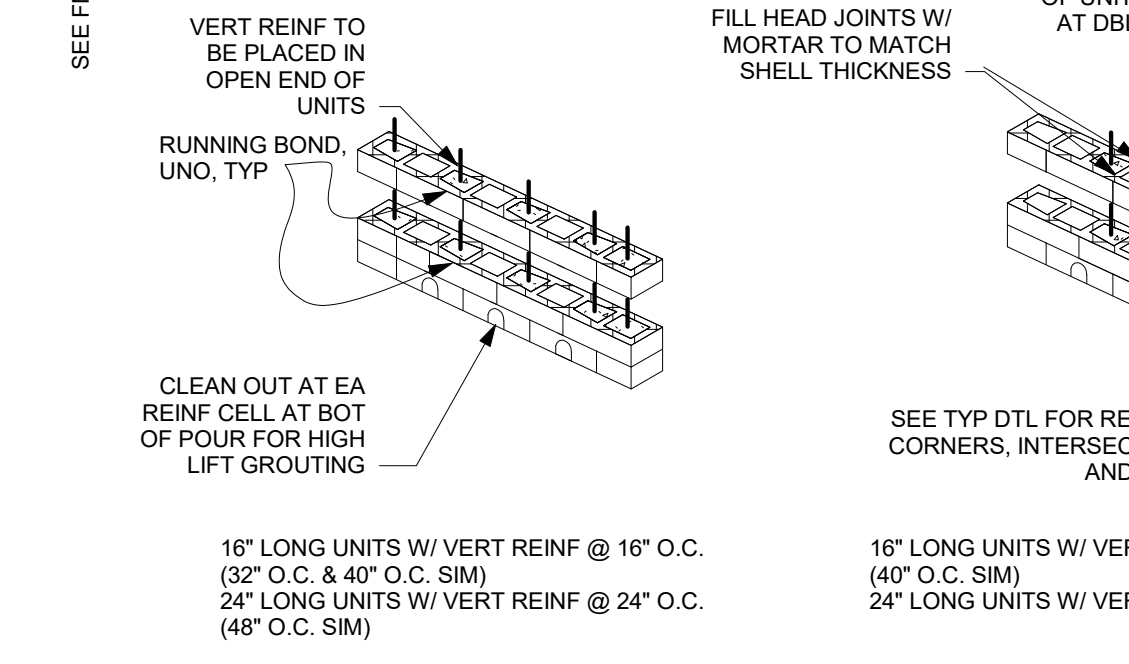


AT MASONRY BOND BEAMS/CONCRETE BEAMS

1 Typical Masonry Control Joint
NOT TO SCALE



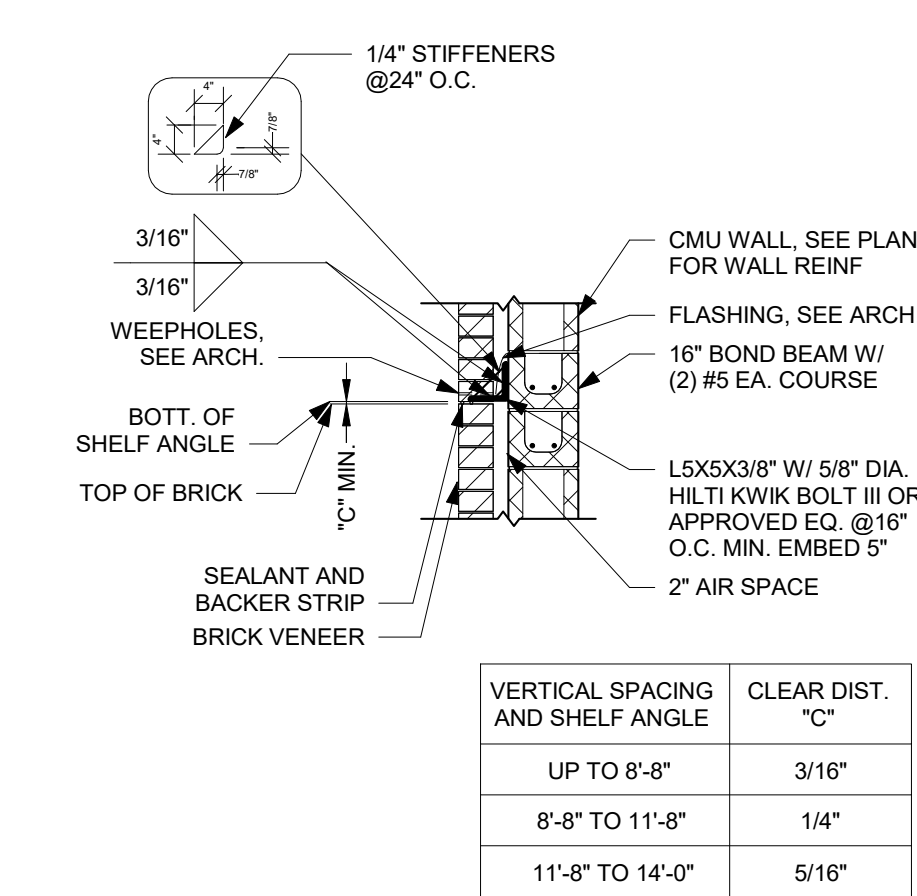
SECTION



ISOMETRIC (DBL. CURTAIN SIM.)

1. ALL CELLS TO BE FULLY GROUTED
2. SECURE REINF AT 200 d MAX CONCAVE JOINTS, TYP UNO
- 3.

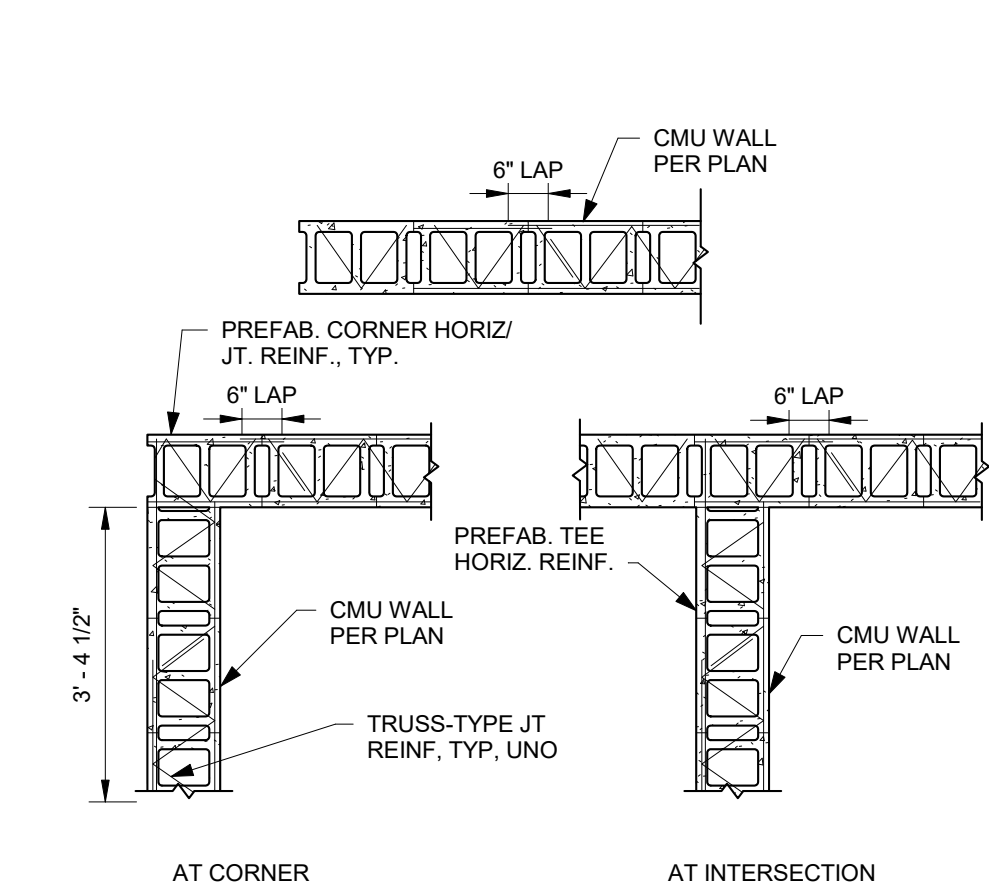
5 Typical Wall Reinforcing
NOT TO SCALE



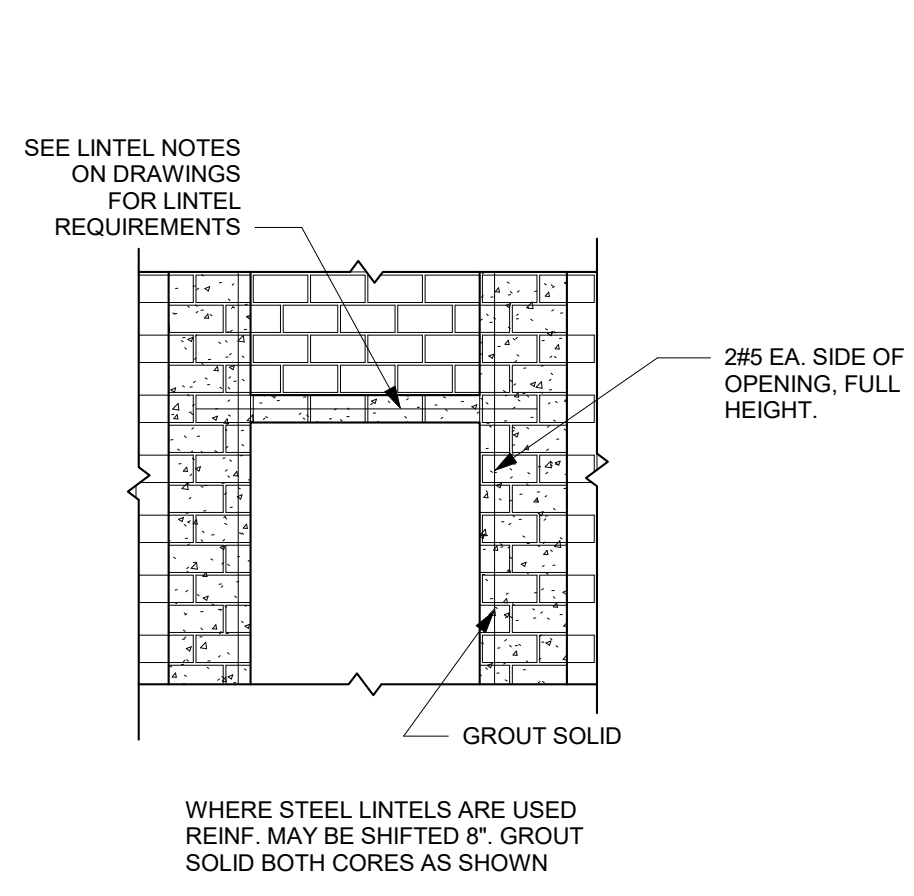
2 Typical Shelf Angle at Masonry Wall
NOT TO SCALE

VERTICAL SPACING AND SHELF ANGLE	CLEAR DIST. "C"
UP TO 8'-8"	3/16"
8'-8" TO 11'-8"	1/4"
11'-8" TO 14'-0"	5/16"

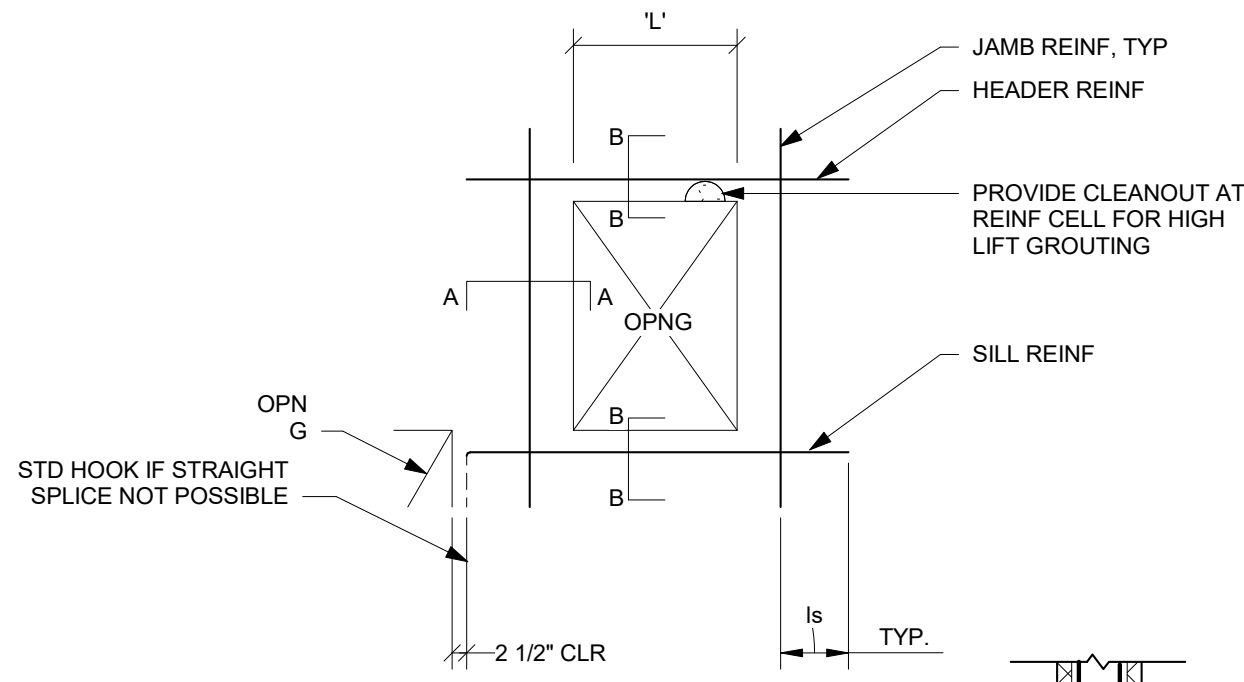
- NOTES:
1. SEE ARCH DRAWINGS FOR LOCATION AND DETAILS OF JOINTS.
 2. PROVIDE VERTICAL CONTROL JOINTS IN MASONRY @ 30' O.C. MAX.
 3. SHELF ANGLE SIZE SHALL BE L5X5X3/8. PROVIDE CLEARANCE FROM OUTSIDE FACE OF BRICK TO EDGE OF SHELF ANGLE OF +.3/8".
 4. SHELF ANGLE TO BE GALVANIZED AND HAVE SLOTTED HOLES TO ADJUST HORIZ ALIGNMENT. TIGHTEN NUTS AFTER ALIGNMENT.
 5. PROVIDE LATERAL MASONRY TIES IMMEDIATELY ABOVE AND BELOW SHELF ANGLE (WITHIN 3 COURSES) OF ANGLE.



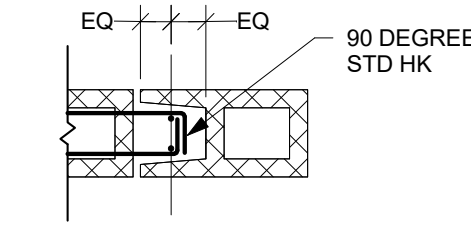
3 Typical Masonry Joint Reinforcing Lap Splice
NOT TO SCALE



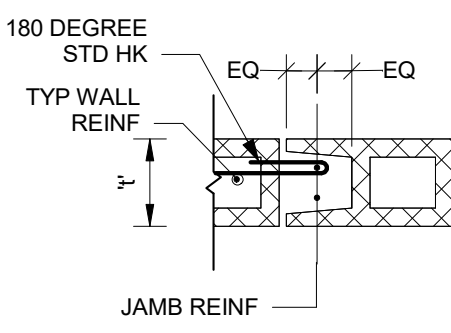
4 Typical CMU Door Opening Reinforcement
NOT TO SCALE



ELEVATION

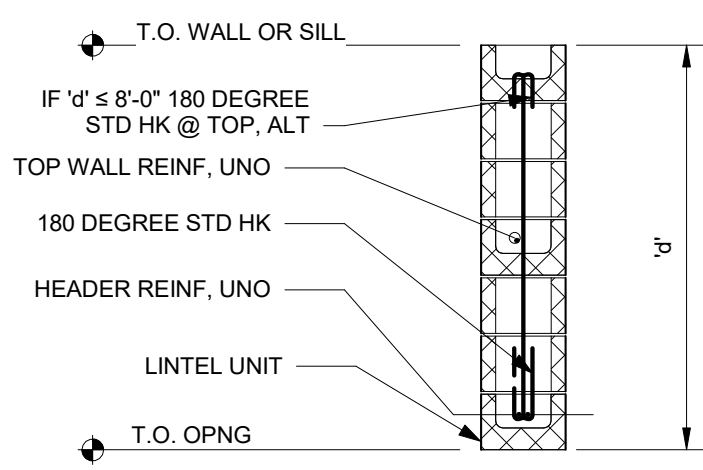


JAMB AT DBL CURTAIN



JAMB AT SINGLE CURTAIN

HEAD & SILL AT DBL CURTAIN



HEAD & SILL AT SINGLE CURTAIN

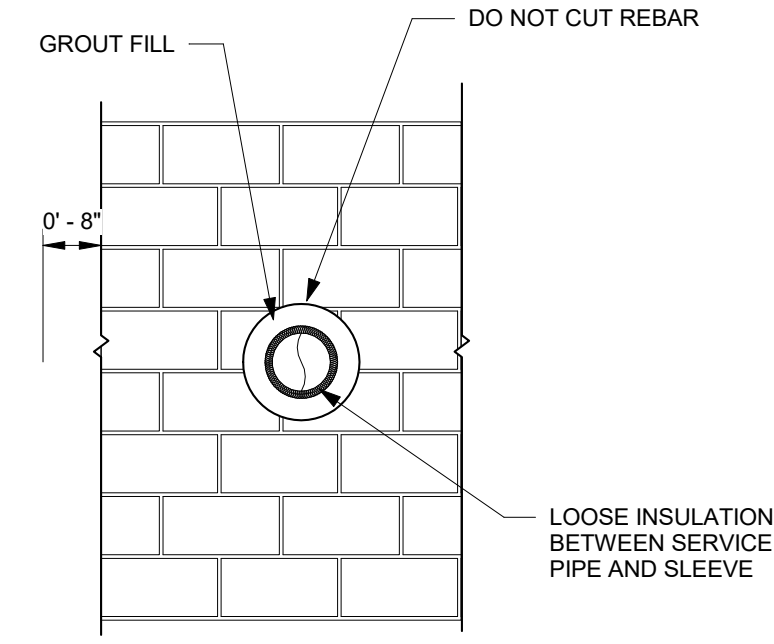
SECTION A

TRIM REINFORCING SCHEDULE				
NOMINAL WALL THICKNESS "t"	"L"	MINIMUM JAMB REINF, UNO	HEADER REINF	MINIMUM SILL REINF, UNO
6"	SEE ARCH & MEP	1 - #3	SEE LINTEL SCHEDULE	2 - #3
8"	SEE ARCH & MEP	1 - #5	SEE LINTEL SCHEDULE	2 - #4
10"	SEE ARCH & MEP	2 - #4	SEE LINTEL SCHEDULE	2 - #5
12"	SEE ARCH & MEP	2 - #5 EF	SEE LINTEL SCHEDULE	2 - #5 EF

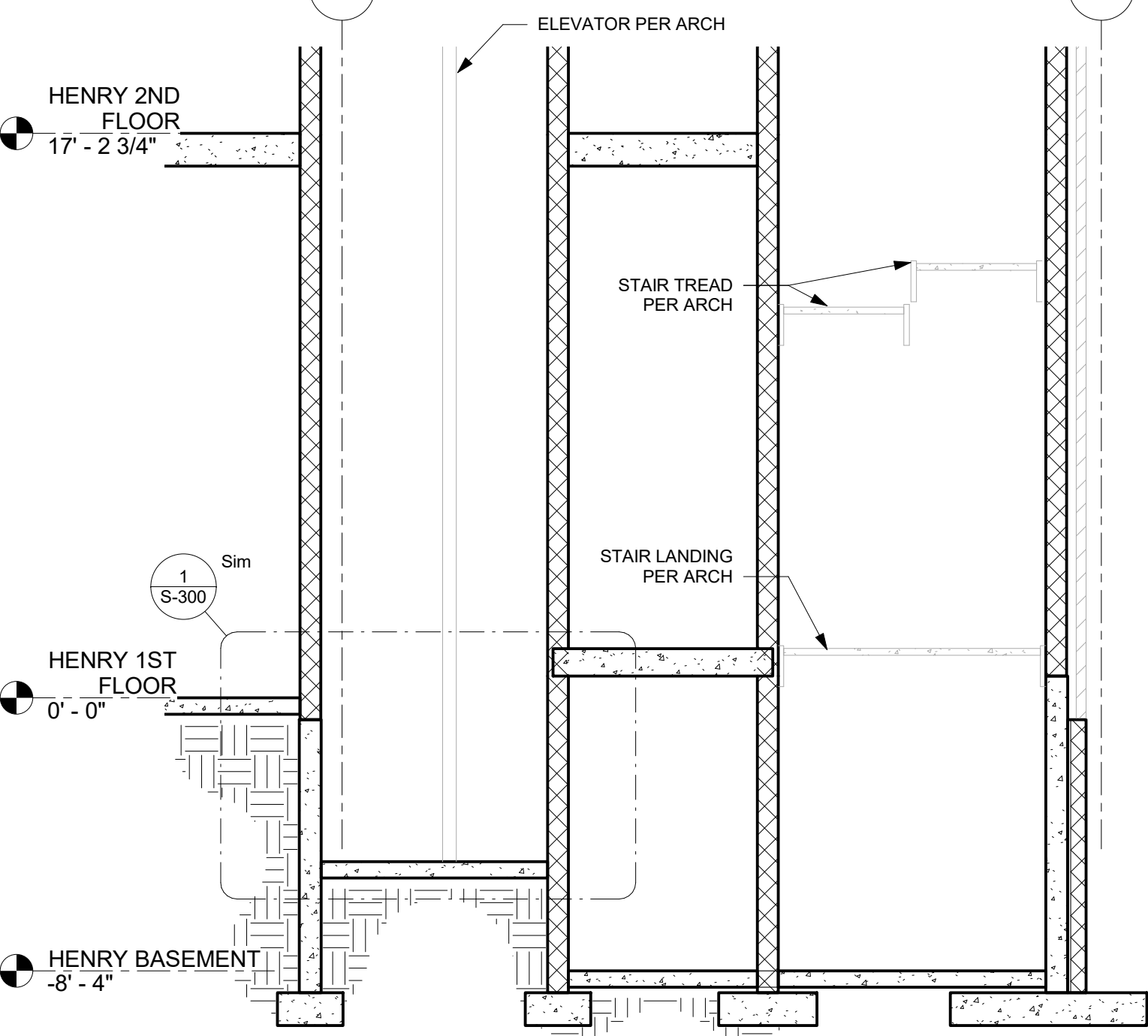
SECTION B

1. SCHEDULE REINF NOT REQ'D FOR OPNGS SMALLER THAN 16" SQUARE.
2. MINIMUM REINF TO BE LARGER OF TYPICAL WALL REINF OR SIZE SHOWN IN SCHEDULE.
3. AT SERIES OF OPENINGS WHERE PIER OF SPANDREL IS NARROWER THAN 120d, RUN TRIM REINF CONTINUOUS.
4. AT STACKED OPENINGS AS IN SECTION B ABOVE SILL REINF TO BE LARGER OF HEADER REINF OR MINIMUM SILL REINF.

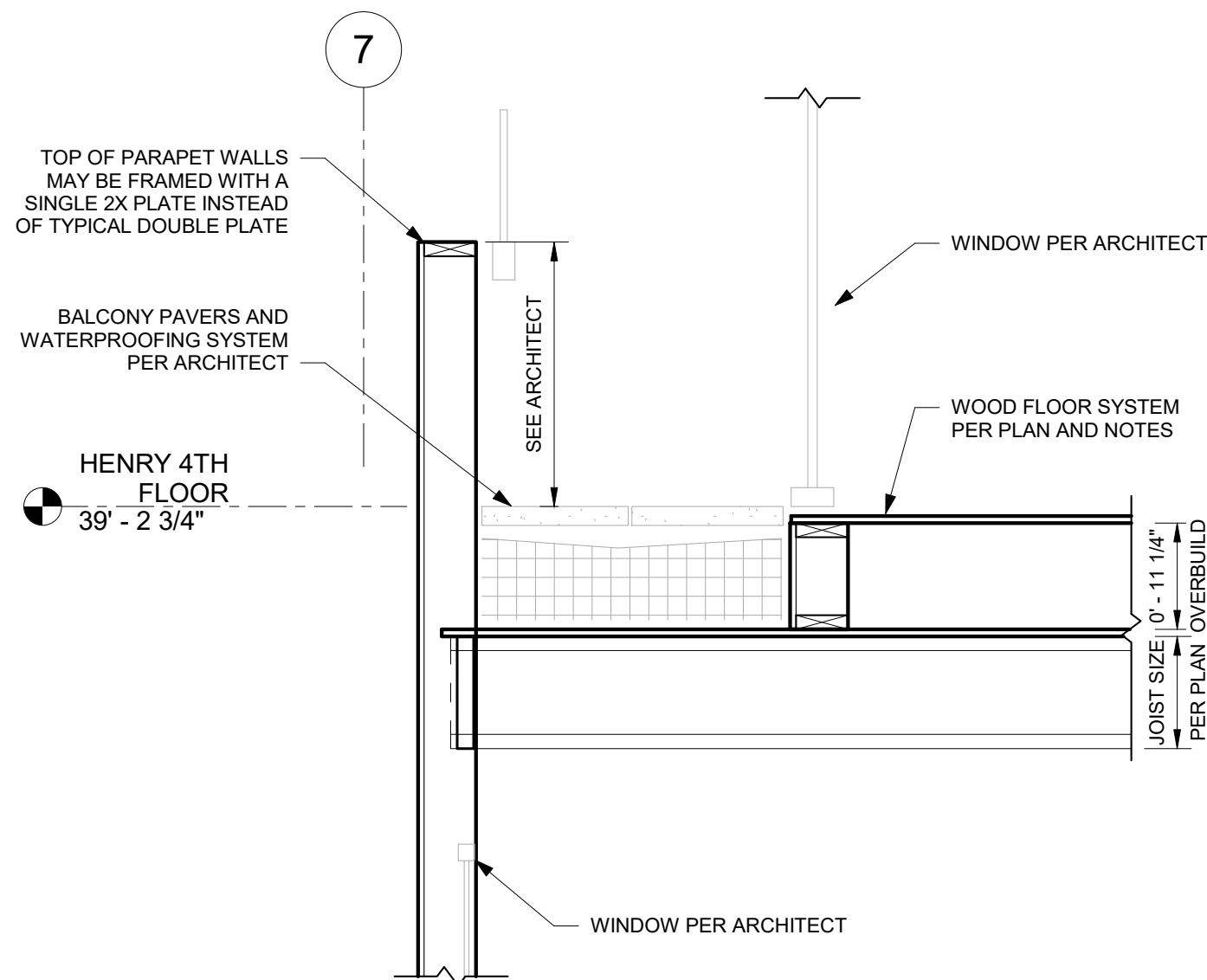
6 Typical Wall Reinf at Openings
NOT TO SCALE



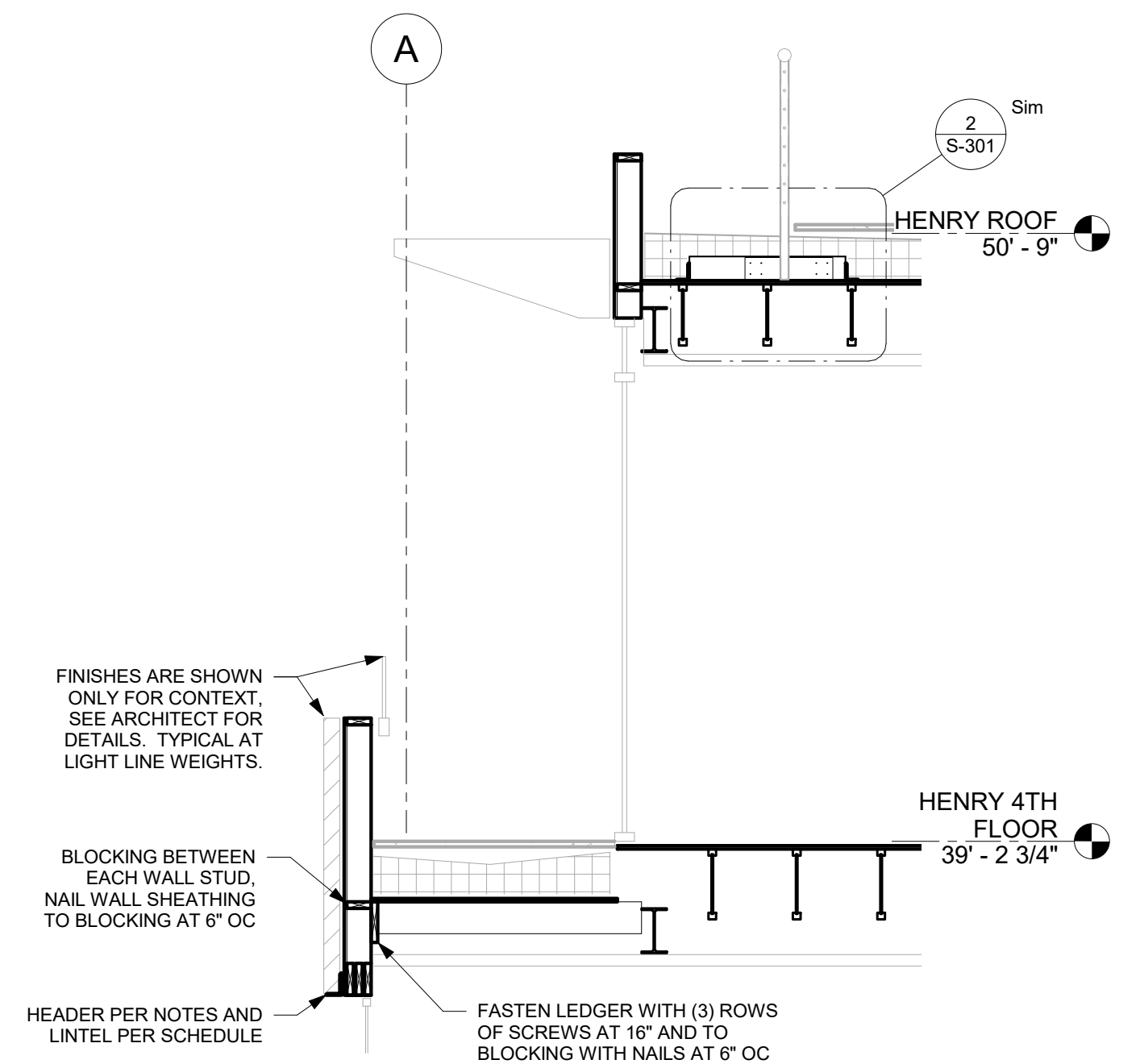
7 Typical Pipe Through Masonry Wall
NOT TO SCALE



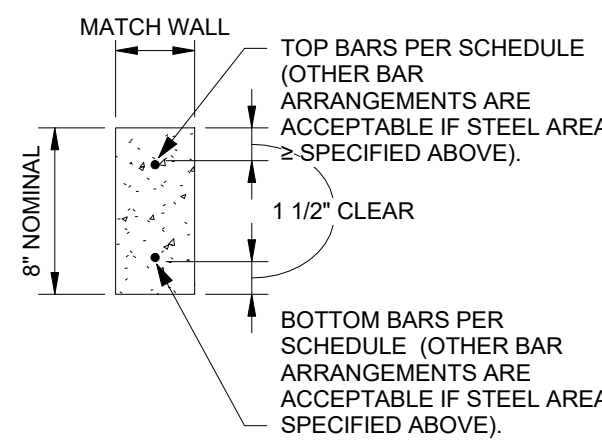
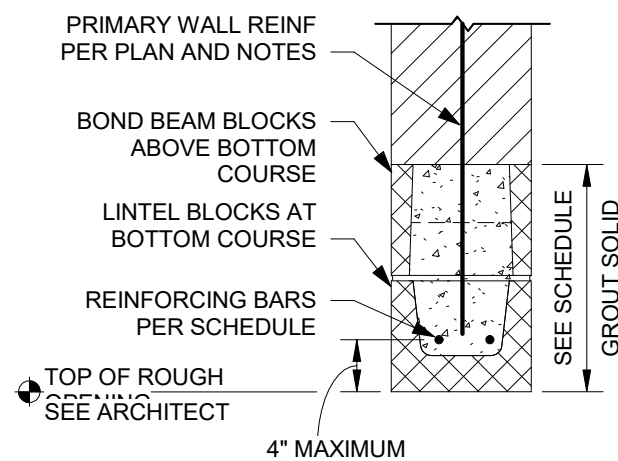
A Section A
1/4" = 1'-0"

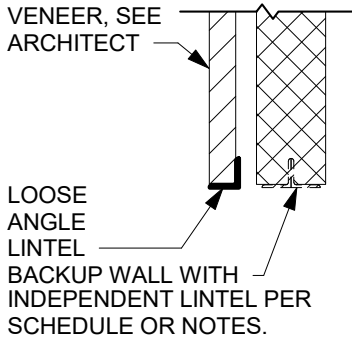


B North Parapet and Knee Wall
3/4" = 1'-0"



C Fourth Floor Balcony
3/8" = 1'-0"

LINTEL SCHEDULE													
MASONRY OPENING, MO		STEEL (NOTE 4)				PRECAST CONCRETE (NOTE 5)				MASONRY (NOTE 6)			
		6" WALL	8" WALL	10" WALL	12" WALL	6" WALL	8" WALL	10" WALL	12" WALL	6" WALL	8" WALL	10" WALL	12" WALL
NON-BEARING WALLS	MO ≤ 6'-0"	WT5x13	DOUBLE L3 1/2 x 3 1/2 x 5/16	DOUBLE L4 x 4 x 5/16	TRIPLE L3 1/2 x 3 1/2 x 5/16	#3 BAR T&B	(2) #3 BARS TOP & BOT	(2) #3 BARS TOP & BOT	(2) #3 BARS TOP & BOT	16" HIGH W/ (1) #4 BAR	16" HIGH W/ (1) #4 BAR	16" HIGH W/ (2) #4 BARS	16" HIGH W/ (2) #4 BARS
	6'-0" < MO ≤ 8'-0"	WT8x15.5	DOUBLE LLV L6 x 3 1/2 x 5/16	DOUBLE LLV L6 x 4 x 5/16	TRIPLE LLV L6 x 3 1/2 x 5/16	#5 BAR T&B	(2) #5 BARS TOP & BOT	(2) #5 BARS TOP & BOT	(2) #5 BARS TOP & BOT	16" HIGH W/ (1) #4 BAR	16" HIGH W/ (1) #4 BAR	16" HIGH W/ (2) #4 BARS	16" HIGH W/ (2) #4 BARS
	8'-0" < MO ≤ 12'-0"	W8x15	W8x15	W8x18	W8x18	--	--	--	--	16" HIGH W/ (1) #5 BAR	16" HIGH W/ (2) #4 BARS	16" HIGH W/ (2) #4 BARS	16" HIGH W/ (2) #4 BARS
	12'-0" < MO ≤ 15'-0"	W8x18	W8x21	W8x21	W8x28	--	--	--	--	--	24" HIGH W/ (2) #5 BARS	24" HIGH W/ (2) #5 BARS	24" HIGH W/ (2) #5 BARS
BEARING WALLS	MO ≤ 4'-0"	--	DOUBLE L3 1/2 x 3 1/2 x 5/16	DOUBLE L4 x 4 x 5/16	TRIPLE L3 1/2 x 3 1/2 x 5/16	--	(2) #3 BARS TOP & BOT	(2) #3 BARS TOP & BOT	(2) #3 BARS TOP & BOT	--	16" HIGH W/ (1) #5 BAR	16" HIGH W/ (2) #4 BARS	16" HIGH W/ (2) #4 BARS
	4'-0" < MO ≤ 6'-0"	--	DOUBLE LLV L6 x 3 1/2 x 5/16	DOUBLE LLV L6 x 4 x 5/16	TRIPLE LLV L6 x 3 1/2 x 5/16	--	--	--	--	--	24" HIGH W/ (2) #4 BARS	16" HIGH W/ (2) #5 BARS	16" HIGH W/ (2) #5 BARS
	6'-0" < MO ≤ 8'-4"	--	W8x24 OR W12x16	W8x28 OR W12x22	W8x35 OR W12x26	--	--	--	--	--	24" HIGH W/ (2) #5 BARS	24" HIGH W/ (2) #5 BARS	24" HIGH W/ (2) #5 BARS
LINTEL NOTES						PRECAST CONCRETE LINTEL CONFIGURATION				MASONRY LINTEL CONFIGURATION			
1. WALLS SHOWN ON STRUCTURAL DRAWINGS ARE CONSIDERED BEARING WALLS. WALLS SHOWN ONLY ON ARCHITECTURAL DRAWINGS ARE CONSIDERED NON-BEARING WALLS.													
2. GROUT MASONRY DOWN TO FOOTING BELOW LINTEL BEARING. SEE MASONRY NOTES FOR REINF AT WALL OPENING JAMBS.													
3. IN GENERAL, THE CONTRACTOR MAY SELECT WHICH LINTEL TYPE IS TO BE INSTALLED. COORDINATE THIS CHOICE WITH ARCHITECT IF LINTEL IS EXPOSED TO VIEW. WHERE JAMB WIDTH IS LIMITED (FOR EXAMPLE, AT CLOSELY SPACED OPENINGS) AND THERE WOULD NOT BE ENOUGH ROOM FOR BOTH JAMB REINFORCEMENT AND LINTEL BEARING, USE OF MASONRY LINTELS IS REQUIRED.						LINTELS WIDER THAN 6" NOMINAL MAY BE SUPPLIED AS MULTIPLE PIECES WITH 4" OR 6" NOMINAL WIDTH.				EXTEND HORIZONTAL REINFORCING 8" MINIMUM BEYOND ROUGH OPENING AT EACH SIDE.			
4. STEEL LINTELS SHALL BEAR AT LEAST 6" ON STEEL BEARING PLATES BP-1 OR BP-2 (DESCRIPTION FOLLOWS) CENTERED ON CMU AND STEEL BEAM. WELD BEAM BOTTOM FLANGE TO BEARING PLATE WITH 3/16" FILLET WELD 3" LONG EACH SIDE, UNO. BP-1 INDICATES 3/8"x5"x0'-9" BEARING PLATE W/ 2-3/4"Φx4" LONG STUDS @ 6" O.C. BP-2 INDICATES 3/8"x6"x0'-9" BEARING PLATE W/ 2-3/4"Φx4" LONG STUDS @ 6" O.C. STEEL LINTELS IN FIRE RATED WALLS WITH AN OPENING > 6'-0" SHALL HAVE A HUNG BOTTOM PLATE. HOT DIP GALVANIZE ALL STEEL LINTELS EXPOSED TO EARTH OR WEATHER.													
5. PRECAST CONCRETE LINTELS EXPOSED TO VIEW MUST BE SCORED TO MATCH CMU. PROVIDE 8" MINIMUM BEARING AT EACH END OF PRECAST LINTELS. CONCRETE LINTEL f_c = 3000 PSI MINIMUM.													
6. MASONRY LINTELS REQUIRE TEMPORARY SUPPORTS THAT MUST REMAIN IN PLACE UNTIL GROUT HAS CURED (24 HOURS AFTER PLACEMENT). CONTRACTOR IS RESPONSIBLE FOR SUPPORT DESIGN.													

VENEER LINTEL SCHEDULE			FIGURE
MASONRY OPENING, MO	LOOSE ANGLE LINTEL	BEARING	
MO ≤ 3'-8"	L3 1/2 x 3 1/2 x 5/16	6" MINIMUM	
3'-8" < MO ≤ 6'-0"	L5 x 3 1/2 x 3/8 LLV	6" MINIMUM	
6'-0" < MO ≤ 7'-0"	L6 x 4 x 3/8 LLV	6" MINIMUM	
7'-0" < MO ≤ 8'-0"	L7 x 4 x 3/8 LLV	6" MINIMUM	
8'-0" < MO	5/16" PLATE HUNG FROM BEAM IN BACKUP	SEE BEAM SCHEDULE	SEE DETAIL 4 ON THIS SHEET
NOTES: 1. VENEER LINTELS INDICATED ARE FOR BRICK OR 4" NOMINAL CMU VENEER LOCATIONS. 2. HOT DIP GALVANIZE ALL STEEL LINTELS EXPOSED TO EARTH OR WEATHER. 3. PLACE FLASHING BETWEEN STEEL ANGLE LINTEL AND THE MASONRY IT SUPPORTS. SEE ARCHITECT FOR FLASHING AND WEEPHOLE DETAILS.			

FOOTING SCHEDULE			
MARK	LENGTH X WIDTH	THICKNESS	REINFORCEMENT
F4.0	4' - 0" X 4' - 0"	1' - 0"	#5 AT 8" OC EW BOTTOM
F5.0	5' - 0" X 5' - 0"	1' - 6"	#5 AT 8" OC EW BOTTOM
F6.0	6' - 0" X 6' - 0"	1' - 6"	#6 AT 8" OC EW BOTTOM
F7.0	7' - 0" X 7' - 0"	2' - 0"	#6 AT 8" OC EW BOTTOM
F8.0	8' - 0" X 8' - 0"	2' - 0"	#6 AT 8" OC EW BOTTOM
F9.0	9' - 0" X 9' - 0"	2' - 6"	#6 AT 8" OC EW BOTTOM
F10.0	10' - 0" X 10' - 0"	2' - 6"	#7 AT 8" OC EW BOTTOM
F11.0	11' - 0" X 11' - 0"	2' - 6"	#7 AT 8" OC EW BOTTOM
F12.0	12' - 0" X 12' - 0"	2' - 6"	#7 AT 8" OC EW BOTTOM
WF2.0	2' - 0" X CONT	1' - 0"	(3) #5 CONT BOTTOM

PILE CAP SCHEDULE							
MARK	LENGTH	WIDTH	THICKNESS	LONG BARS	SHORT BARS	NUMBER OF PILES	NOTES
2-PILE CAP	2' - 6"	5' - 6"	2' - 6"	(8) #5	(5) #4	2	
4-PILE CAP	5' - 6"	5' - 6"	2' - 6"	(11) #6	(11) #6	4	
6-PILE CAP	8' - 6"	5' - 6"	3' - 6"	(14) #6	(18) #6	6	

