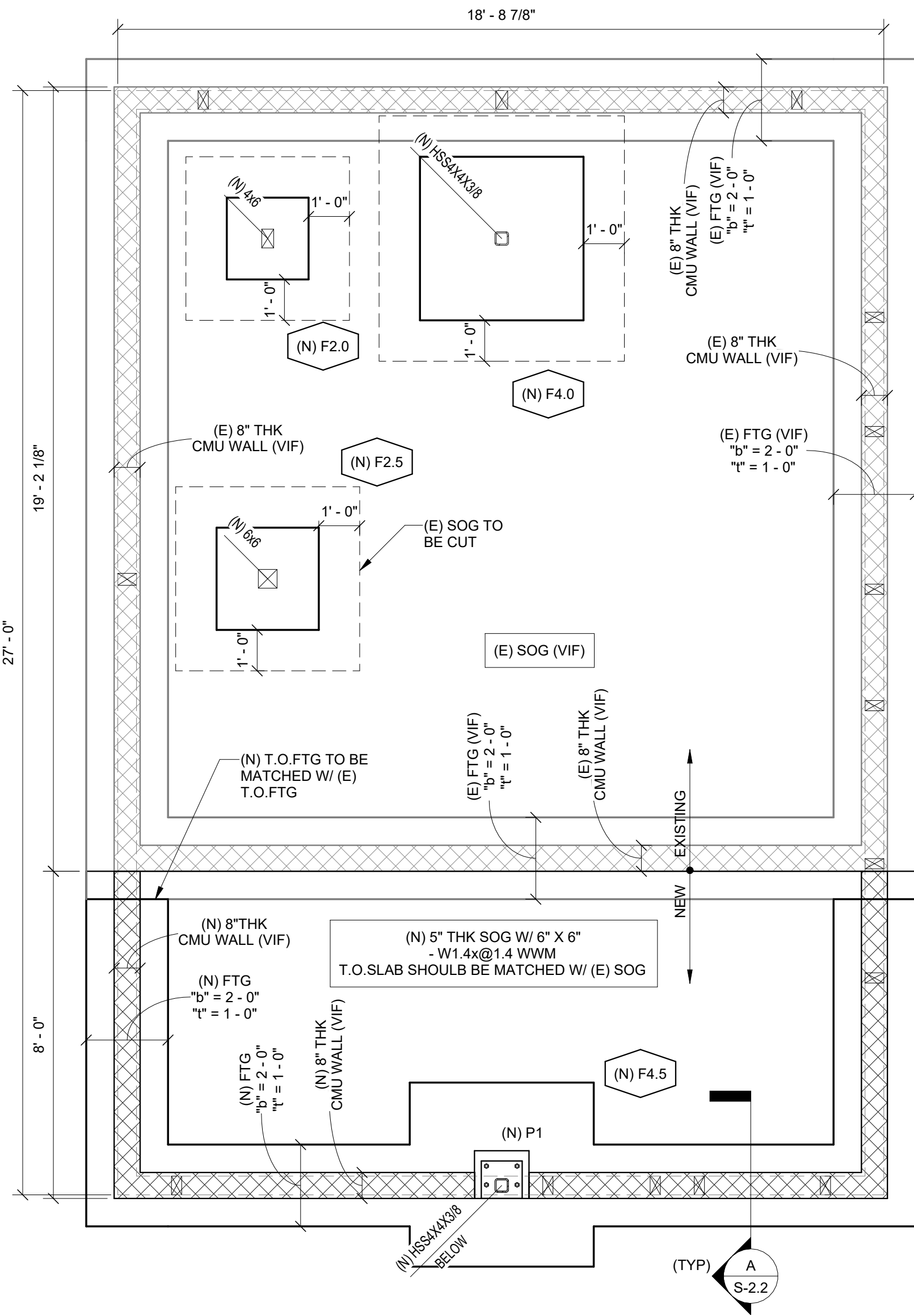
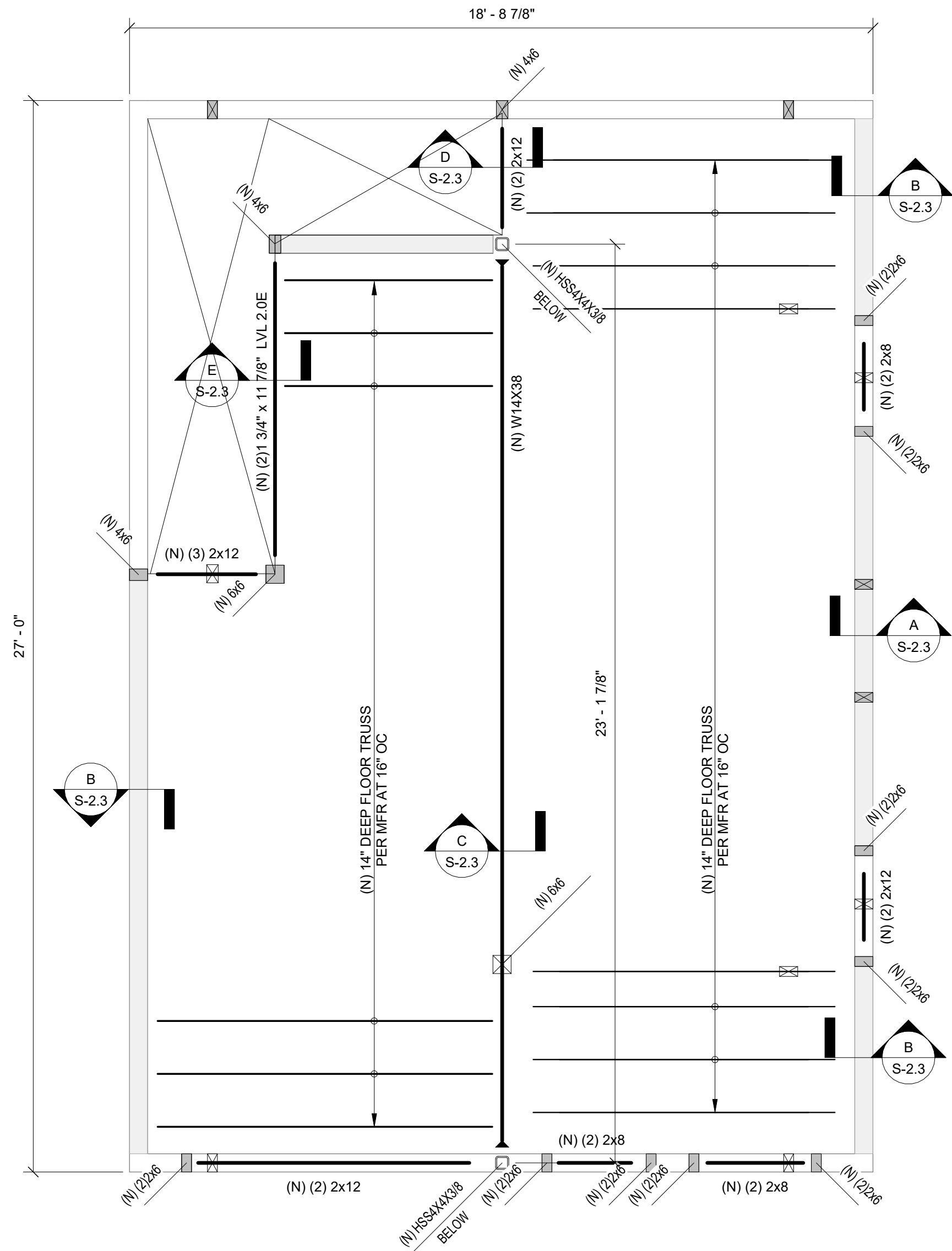
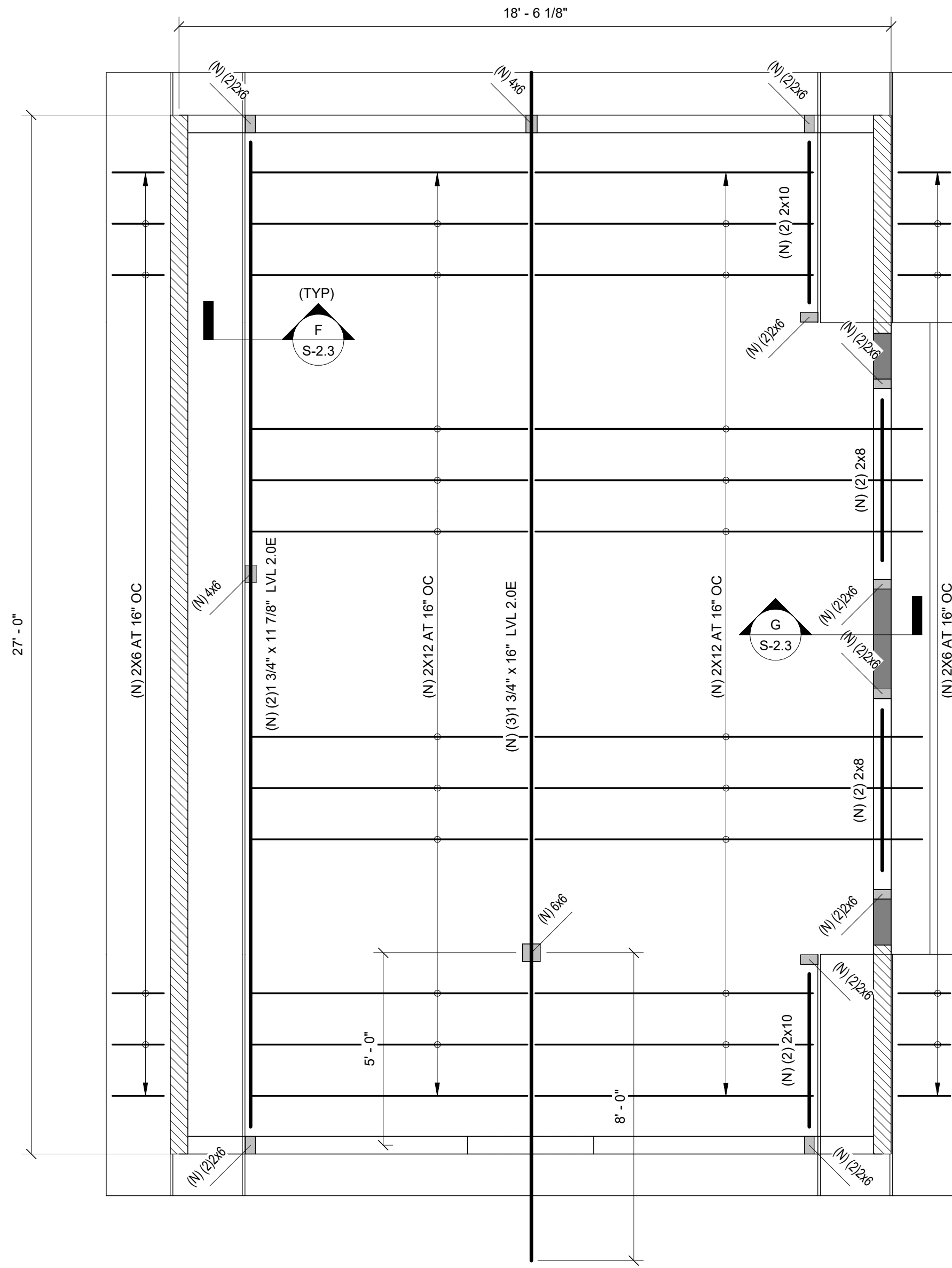




1 FOUNDATION PLAN
3/8" = 1'-0"



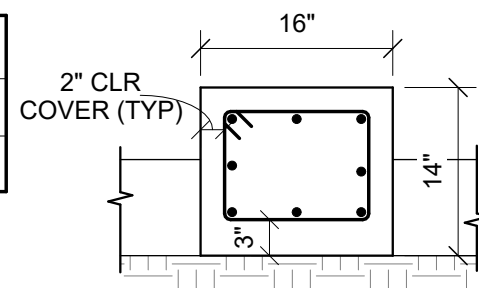
2 SECOND FLOOR FRAMING PLAN
3/8" = 1'-0"



3 ROOF FRAMING PLAN
3/8" = 1'-0"

FOUNDATION NOTES			
1.	COORDINATE DIMENSIONS WITH ARCHITECTURAL PLANS. DIMENSIONS ARE CONTROLLED BY THE ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IN DIMENSION BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION.		
2.	[FX X] INDICATES FOOTING MARK. SEE SCHEDULE FOR SIZE AND REINFORCEMENT.		
3.	SEE GENERAL NOTES ON S1.0 FOR ADDITIONAL INFORMATION.		
4.	EXISTING FOUNDATION DATA IS NOT KNOWN HENCE IT IS OWNER'S RESPONSIBILITY. GC TO VERIFY SIZES OF FOOTING PRIOR TO CONSTRUCTION. EOR TO BE INFORMED IF THERE ARE ANY DISCREPANCIES AND CONFLICT.		

CONCRETE PIER SCHEDULE			
PIER MARK	SIZE	VERT REINF	TIES
P1	16" X 14"	(8) #5	#3 AT 4"



RENF DETAIL FOR P1

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F2.0	2'-0" x 2'-0" x 1'-0"	(3) #4 EA WAY (BOT)
F2.5	2'-0" x 2'-0" x 1'-0"	(4) #4 EA WAY (BOT)
F4.0	4'-0" x 4'-0" x 1'-0"	(4) #5 EA WAY (BOT)
F4.5	4'-6" x 4'-6" x 1'-0"	(4) #5 EA WAY (BOT)

WALL FOOTING SCHEDULE		
WIDTH "b"	THICKNESS "t"	REINFORCING
2' - 0"	1' - 0"	(3) #4 EA WAY BOT #5 AT 12" OC SW BOT

BEARING WALL SCHEDULE			
DESCRIPTION	FLOOR	STUDS	SPACING (OC)
EXTERNAL WALLS AND CORRIDOR	SECOND FLOOR	2x6	16"
INCLINED WALLS	SECOND FLOOR	2x12	16"

- NOTES:
- PROVIDE BEARING WALL STUDS AS INDICATED ON BEARING WALL SCHEDULE UNLESS NOTED OTHERWISE ON PLANS.
 - AT BEARING WALLS WHERE ONLY ONE FACE OF WALL IS SHEATHED SUCH AS WALLS AROUND SHAFTS AND DEMISING WALLS PROVIDE SOLID BLOCKING BETWEEN STUDS AT MAX 4' - 0" OC VERT.

NON - LOAD BEARING WALL HEADER SCHEDULE (FOR ALL HEADERS NOT SHOWN ON PLAN)	
OPENING WIDTH	HEADER SIZE
UPTO 4' - 0"	(2) 2x6
4' - 0" TO 6' - 0"	(2) 2x8
6' - 0" TO 9' - 0"	(2) 2x10

LEGEND	
[Symbol]	POST ABOVE
[Symbol]	POST ABOVE + BELOW
[Symbol]	POST BELOW
[Symbol]	(E) WALL ABOVE
[Symbol]	(N) BEARING WALL ABOVE
[Symbol]	(E) BEARING WALL
[Symbol]	(N) LOAD BEARING WALL
[Symbol]	(N) INCLINED WALL
[Symbol]	(E) CMU WALL
[Symbol]	(N) CMU WALL

FRAMING NOTES	
1.	COORDINATE DIMENSIONS WITH ARCHITECTURAL PLANS.
2.	ROOF DIAPHRAGM TO BE 5/8" CDX (P.I.=48/24) PLYWOOD APPLIED DIRECTLY TO ROOF TRUSSES. PLACE LONG DIRECTION OF PLYWOOD PERPENDICULAR TO ROOF JOISTS/TRUSS DIRECTION.
3.	SEE THE GENERAL NOTES ON SHEETS S1.0 FOR ADDITIONAL INFORMATION.
4.	ALL JOISTS/TRUSSES ARE DESIGNED FOR LIVE LOAD DEFLECTION OF L/360 AND TOTAL LOAD DEFLECTION OF L/240. DESIGN JOIST FOR ADDL 300 LBS POINT LOADS ANYWHERE ALONG THE SPAN.
5.	ALL POST SUPPORTING HEADER AND ROOF BEAMS AT UPPER LEVELS NEED TO BE CONT ALL THE WAY TO FOUNDATION OR STEEL BEAM AT BELOW LEVEL FRAMING. PROVIDE MINIMUM (2) 2x BEARING STUDS AT EACH END OF BEAM/HEADER.
6.	ALL HEADERS SHALL BE MINIMUM (2)2x6 FOR OPENINGS UPTO 4'-0" LENGTH AND (2)2x8 FOR OPENINGS GREATER THAN 4' - 0" LENGTH UNO. ON PLAN.
7.	ALL EXPOSED WOOD MEMBERS SHALL BE PRESSURE TREATED.
8.	ALL EXTERIOR POSTS SHALL BE PRESSURE TREATED OR WOLMANIZED. PROVIDE STUD PACKING AS REQUIRED IF POST WIDTH IS LESS THAN WALL THICKNESS.
9.	THE TRUSS HAS BEEN DESIGNED CONSIDERING THE EQUIPMENT WEIGHTS PROVIDED IN THE GENERAL NOTES.
10.	PROVIDE REQUIRED WOOD BLOCKING BY TRUSS MANUFACTURER AT ALL INDICATED HATCH LOCATIONS FOR EQUIPMENT SUPPORT.
11.	THE SECOND FLOOR FRAMING IS DESIGNED FOR THE EQUIPMENT. CHANGES IN EQUIPMENT POSITION ARE NOT PERMITTED WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.

ENGINEER

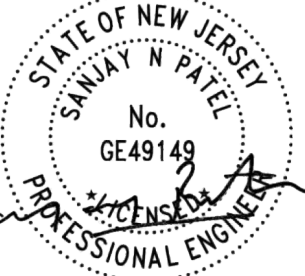


238 CHITTENDEN RD, CLIFTON,
NEW JERSEY 07013
M: 551.232.4302
yogiengs@gmail.com

CLIENT:

MAX GROSSMAN

PROFESSIONAL SEAL



CONSULTANT

SEVA ENGINEERING
DESIGN | ENGINEERING | CONSULTING

242 OLD NEW BRUNSWICK RD, SUITE 370, PISCATAWAY, NJ 08854
INFO@SEVAENGINEERING.COM | P: 732.707.7382

NO.	REVISION/ISSUE	DATE
R0	FOR PERMIT	02-27-2026

DISCLAIMER

THESE DRAWINGS ARE PROPERTY OF YOGI ENGINEERING LLC. THERE MUST NOT BE REPRODUCED IN WHOLE OR PART. ANY UNAUTHORIZED USE WITHOUT WRITTEN PERMISSION IS PROHIBITED. YOGI ENGINEERING LLC DISCLAIMS RESPONSIBILITY OF THE DOCUMENTS IF USED IN WHOLE OR PART OF ANY OTHER LOCATION. CONTRACTOR SHOULD REVIEW AND VERIFY ALL DIMENSIONS AND CONDITIONS. CONTRACTOR TO REPORT APPLICANT OF ANY ERROR, OMISSION OR INCONSISTENCY DISCOVERED.

PROJECT:

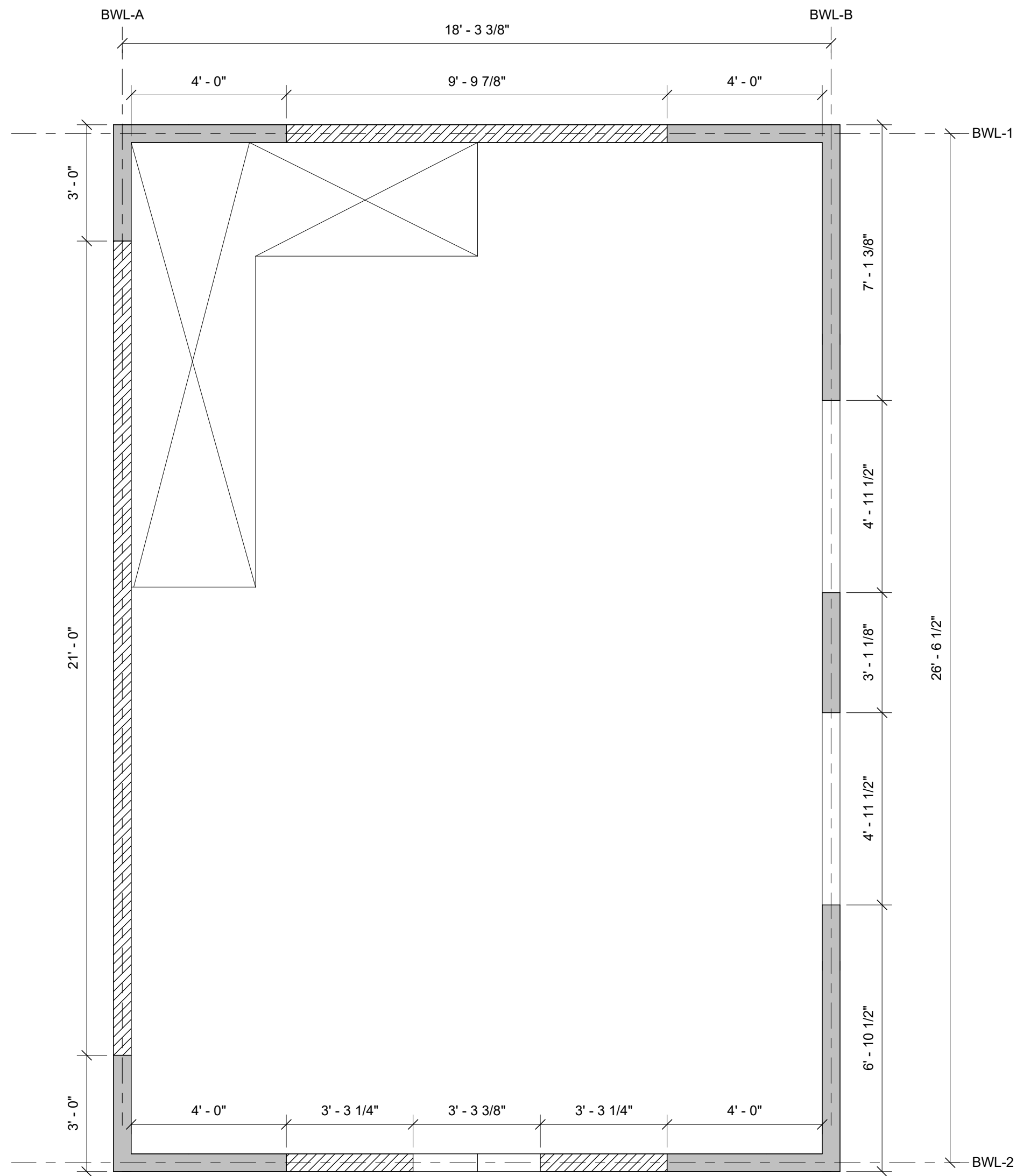
GARAGE EXPANSION
AT
WEST ORANGE, NJ

DRAWING TITLE:

PROPOSED FLOOR PLANS
AND FOUNDATION
DETAILS

SCALE: As indicated
PROJECT NO: 26004
DATE: 02-27-2026
DRAWN BY: FP
CHKD. BY: SNP
SHEET NO:

S-2.0

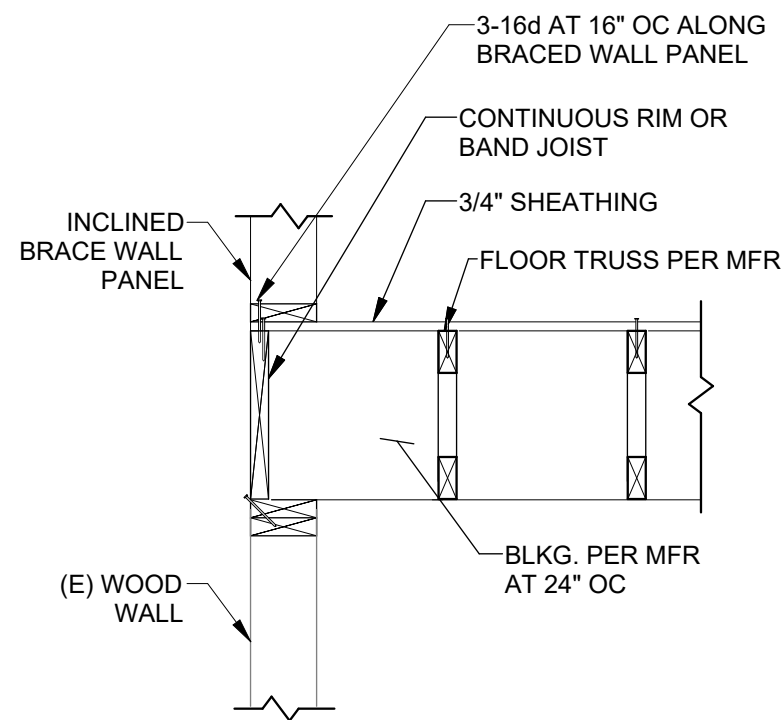


1 BRACE WALL LAYOUT AT SECOND FLOOR
3/8" = 1'-0"

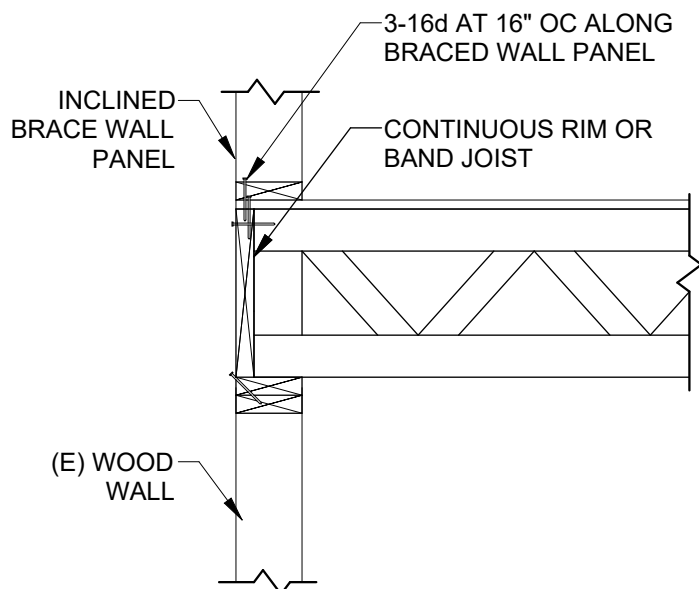
BRACE WALL FRAMING NOTES	
1.	MAXIMUM SPACING BETWEEN ADJACENT EDGES OF BWP SHALL NO EXCEED 20'.
2.	MAXIMUM BWL SPACING SHALL NOT EXCEED 60' ON CENTER.
3.	BRACED WALL PANELS SHALL BE CONNECTED TO FLOOR/CEILING FRAMING AS PER DETAIL 2/S2.1.
4.	CS-WSP SHEATHING SHALL HAVE SPAN RATING OF 24 AND MINIMUM 3/8" THK OSB PLYWOOD APPLIED DIRECTLY TO WALL STUDS. PLACE ALONG DIRECTION OF PLYWOOD PERPENDICULAR TO WALL STUD AND STAGGER END LAPS, SHEATHING MUST BE INSTALLED ON ABOVE AND BELOW OPENINGS ALONG WALL LINES.
5.	WOOD STRUCTURAL PANEL SHEATHING SHALL BE FASTENED WITH 6d COMMON NAILS (2.0"x0.113") @ 6" OC. AT PANEL EDGES AND 12" OC. AT ALL INTERMEDIATE FRAMING.
6.	ALL SILL PLATE ANCHOR BOLTS SHALL BE CAST-IN-PLACE EXCEPT WHERE NOTED OTHERWISE ON PLAN & DETAILS. ADHESIVE OR EXPANSION ANCHORS MAY NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.
7.	SIMPSON STRONG TIE LSTA 18 SHALL BE FASTENED WITH FASTENERS (14) 0.148"x 2 1/2".

BRACING ABBREVIATIONS	
CS-WSP	- CONTINUOUS SHEATHED WOOD STRUCTURAL PANEL
BWP	- BRACED WALL PANEL
CS-PF	- CONTINUOUS SHEATHED PORTAL FRAME
BWL	- BRACED WALL LINE

LEGEND	
	CS-WSP
	CS-WSP-BWP



2 EXTERIOR BRACE WALL PANEL CONN.
3/4" = 1'-0"



3 BWP CONN. PERPENDICULAR FRAMING
3/4" = 1'-0"

ENGINEER



238 CHITTENDEN RD, CLIFTON,
NEW JERSEY 07013
M: 551.232.4302
yogiengs@gmail.com

CLIENT:

MAX GROSSMAN

PROFESSIONAL SEAL



CONSULTANT

SEVA ENGINEERING
DESIGN | ENGINEERING | CONSULTING

242 OLD NEW BRUNSWICK RD, SUITE 370, PISCATAWAY, NJ 08854
INFO@SEVAENGINEERING.COM | P: 732.707.7382

NO.	REVISION/ISSUE	DATE
R0	FOR PERMIT	02-27-2026

DISCLAIMER

THESE DRAWINGS ARE PROPERTY OF YOGI ENGINEERING LLC. THERE MUST NOT BE REPRODUCED IN WHOLE OR PART. ANY UNAUTHORIZED USE WITHOUT WRITTEN PERMISSION IS PROHIBITED. YOGI ENGINEERING LLC DISCLAIMS RESPONSIBILITY OF THE DOCUMENTS IF USED IN WHOLE OR PART OF ANY OTHER LOCATION. CONTRACTOR SHOULD REVIEW AND VERIFY ALL DIMENSIONS AND CONDITIONS. CONTRACTOR TO REPORT APPLICANT OF ANY ERROR, OMISSION OR INCONSISTENCY DISCOVERED.

PROJECT:

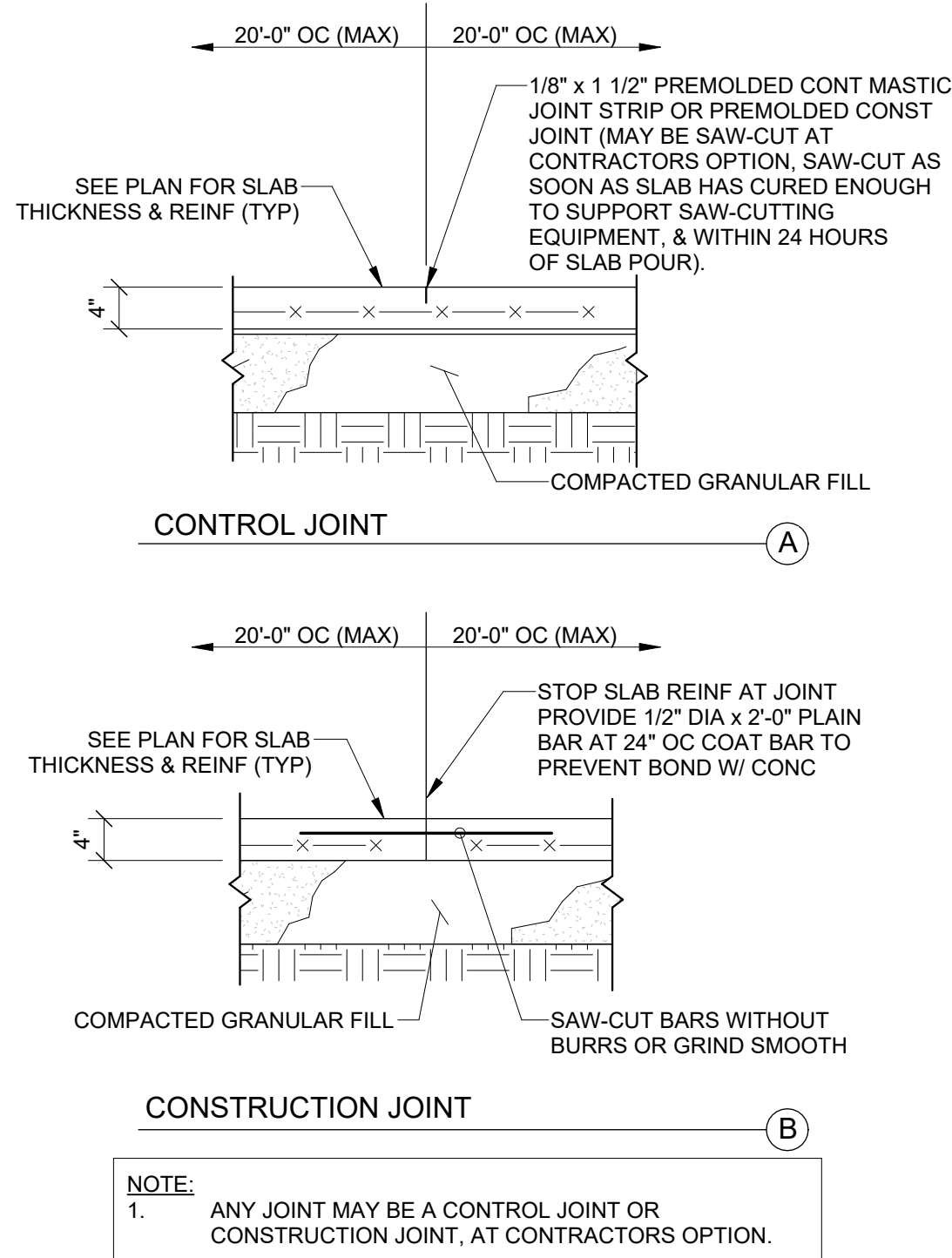
GARAGE EXPANSION
AT
WEST ORANGE, NJ

DRAWING TITLE:

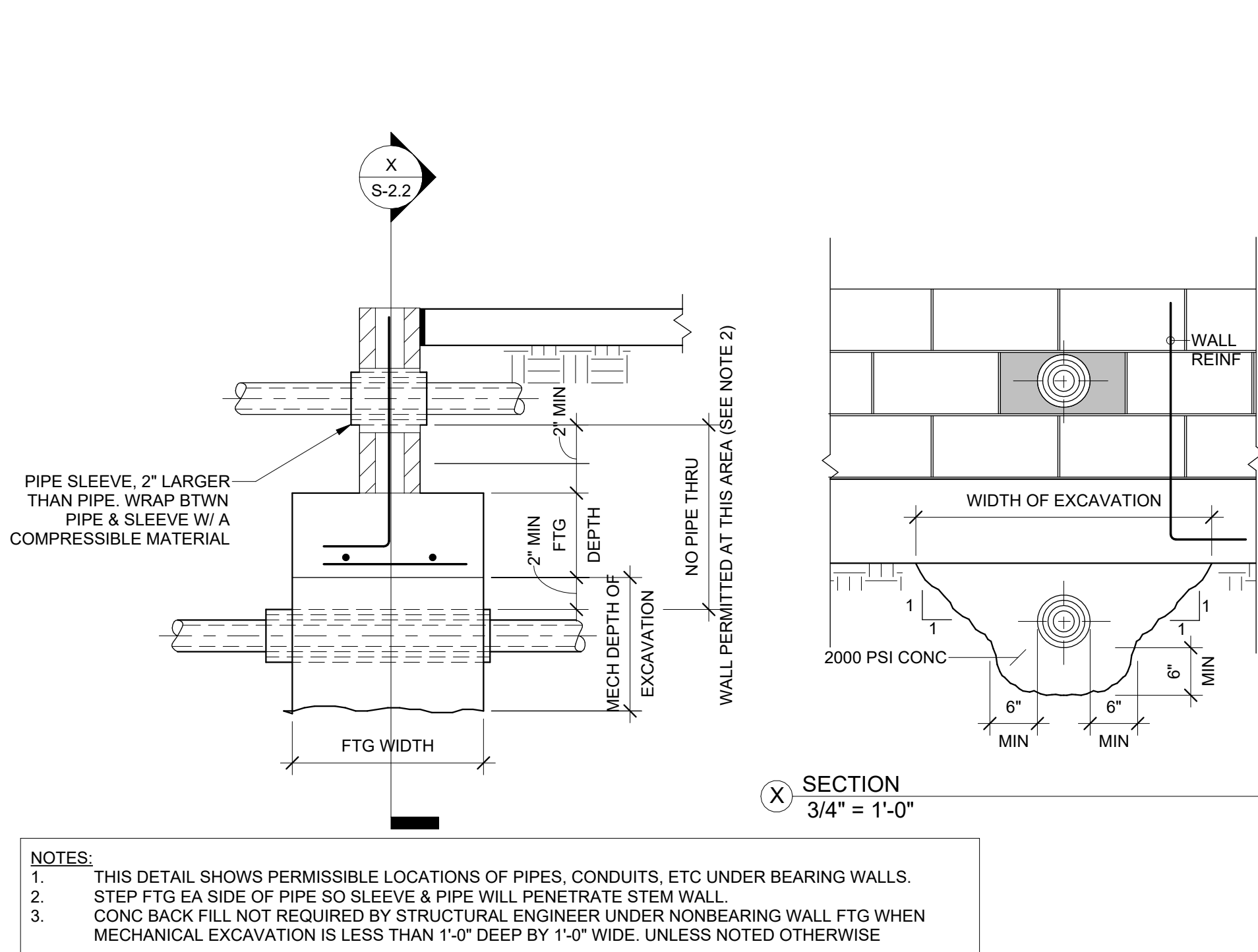
**BRACE WALL LAYOUT AT
DETAILS**

SCALE:	As indicated
PROJECT NO:	26004
DATE:	02-27-2026
DRAWN BY:	FP
CHKD. BY:	SNP
SHEET NO:	

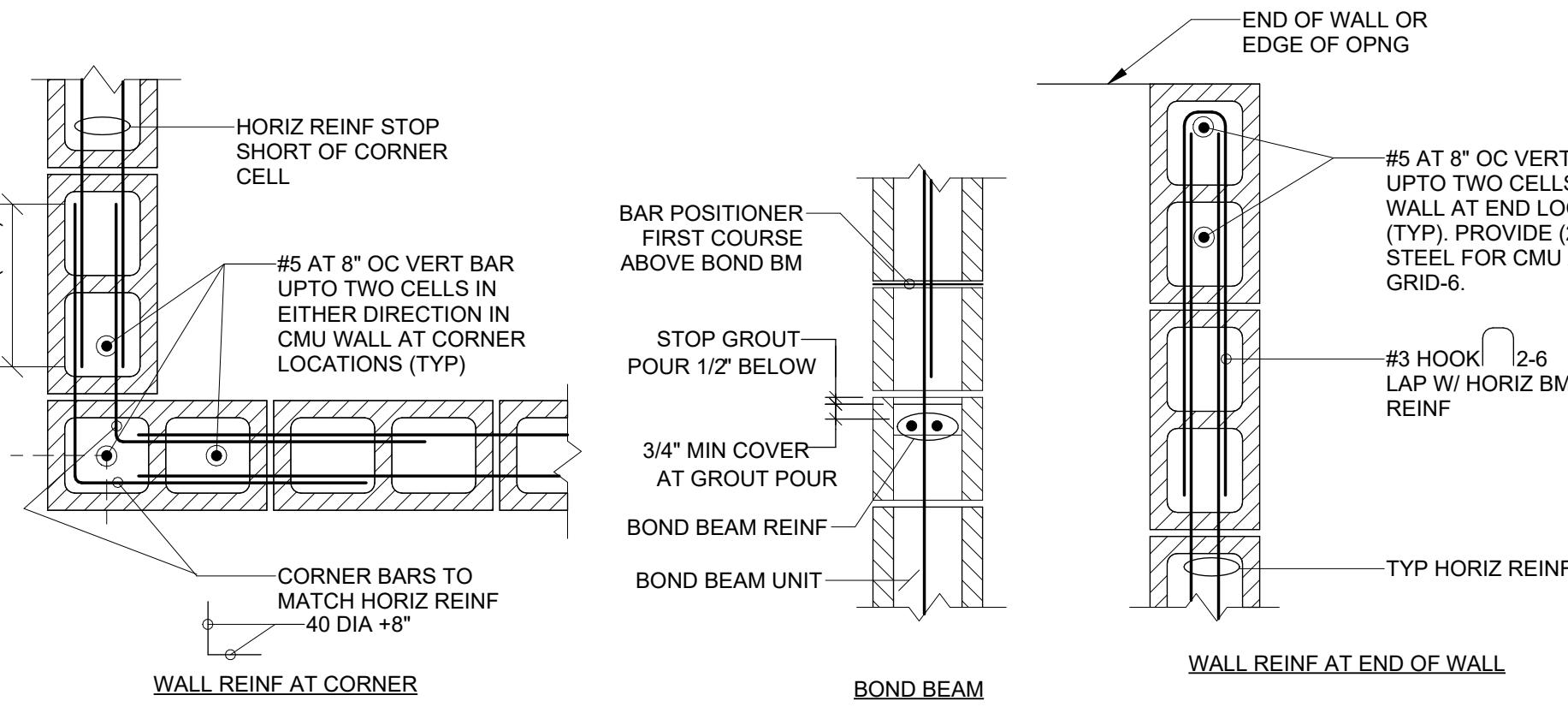
S-2.1



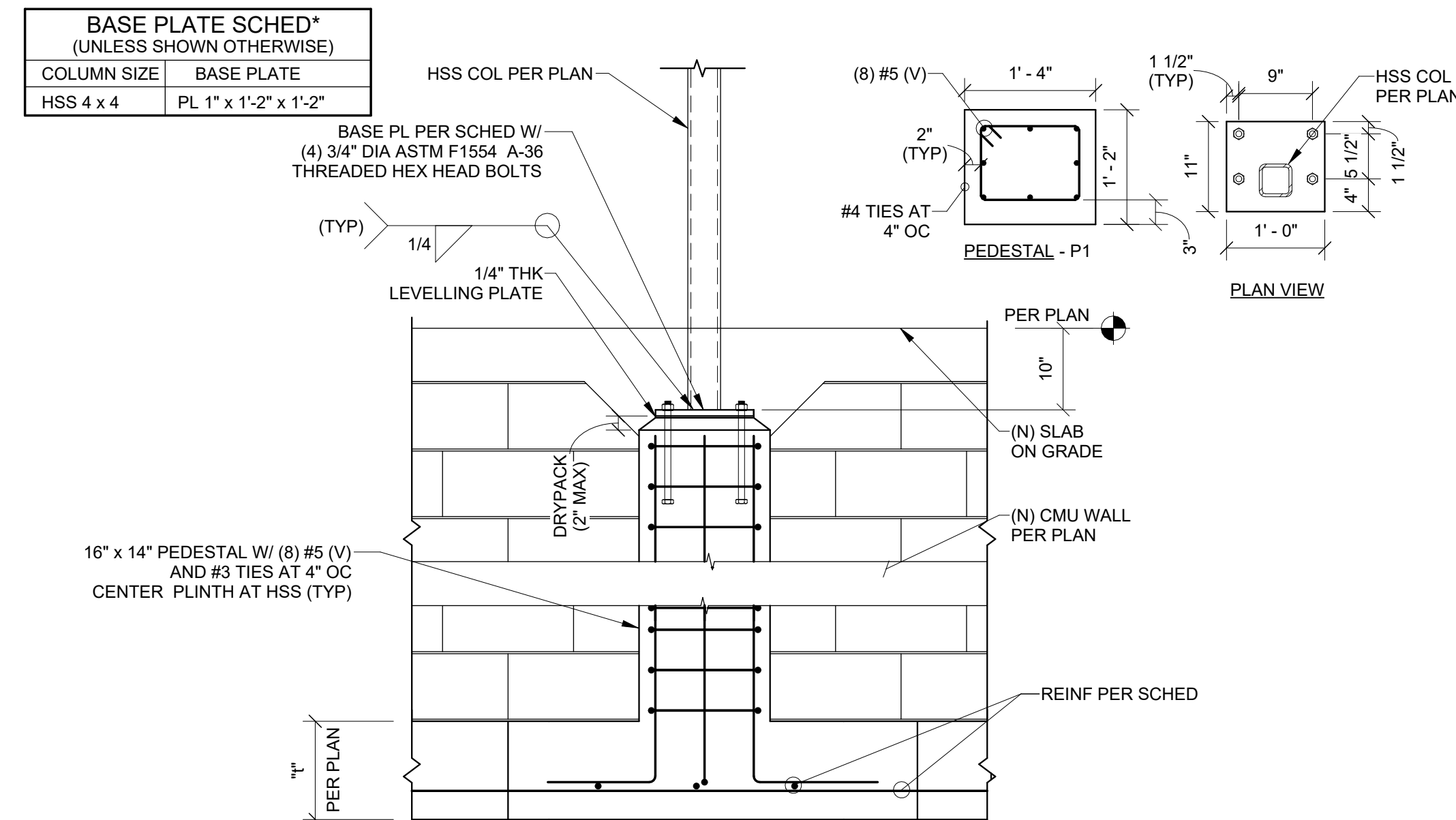
3 TYPICAL ON GRADE CONTROL JOINT DETAIL
3/4" = 1'-0"



1 TYPICAL PIPE THRU FOOTING DETAIL
3/4" = 1'-0"



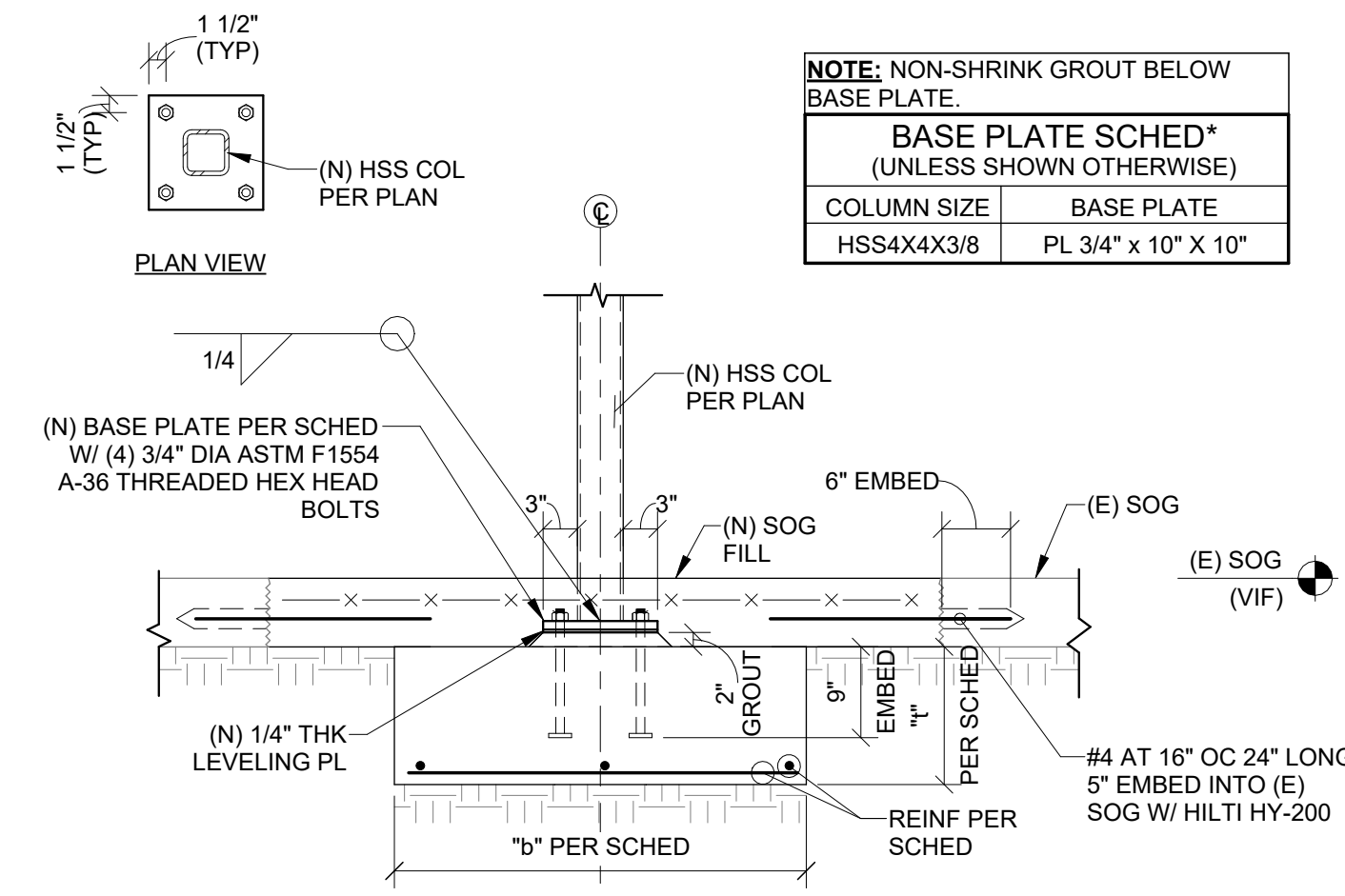
7 TYPICAL CMU WALL DETAILS AND NOTES
1" = 1'-0"



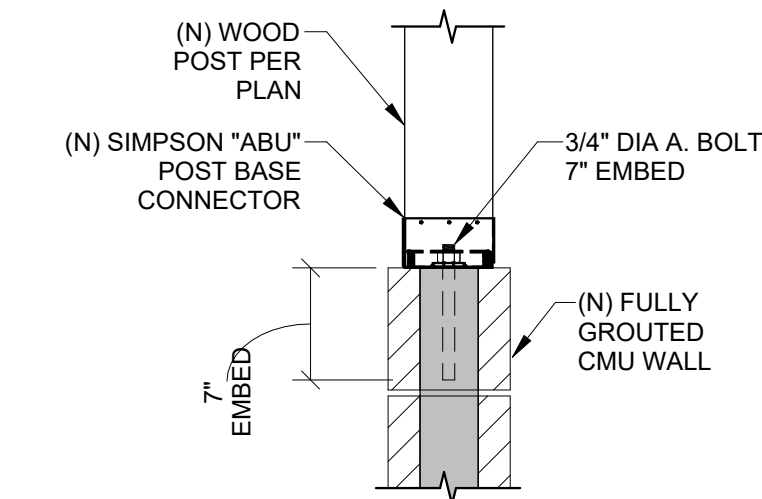
9 TYP PIER DETAIL
3/4" = 1'-0"

CMU NOTES				
1.	SEE PLANS, WALL ELEVATIONS/SCHEDULE FOR TYPICAL WALL REINFORCEMENT SIZE AND SPACING.			
2.	LAY CMU BLOCKS IN RUNNING BOND PATTERN UNO.			
3.	SOLID GROUT ALL CELLS WITH REINFORCEMENT IN PARTIALLY GROUTED CMU.			
4.	NO CONDUITS OR PIPES ARE ALLOWED IN CELLS WITH REINFORCEMENT.			
5.	ALL REINFORCEMENT SHALL BE CONTINUOUS WITH LAPS PER SCHEDULE. PROVIDE BAR POSITIONERS FOR VERTICAL REINFORCEMENT AT 4'-0" OC (MAX).			
6.	PROVIDE ADDITIONAL REINFORCEMENT, BEYOND TYPICAL, WHERE NOTED ON PLANS AND DETAILS.			
7.	ALL JAMBS, WALL ENDS, AND CORNERS SHALL HAVE (2) #5 (V) U.N.O.			
8.	WALLS TO HAVE CONTINUOUS HORIZONTAL REINFORCEMENT AT BASE, AT TOP, AND AT FLOOR AND ROOF DECK LEVEL.			
9.	PROVIDE (2) #5 HORIZONTAL, EXTENDING 24" BEYOND CORNERS, AT HEAD AND SILL OF ALL OPENINGS MORE THAN 2'-0" WIDE.			
10.	CONTROL JOINTS TO BE LOCATED BY THE ARCHITECT. CONTROL JOINTS SHALL BE A MINIMUM 16" FROM THE EDGE OF OPENINGS. HORIZONTAL REINFORCEMENT TO RUN THROUGH CONTROL JOINTS. SEE CONTROL JOINT DETAIL FOR MORE INFORMATION. SEE TYPICAL DETAILS FOR MORE INFORMATION.			
11.	SEE S1.0, S1.1 FOR GENERAL NOTES.			
12.				

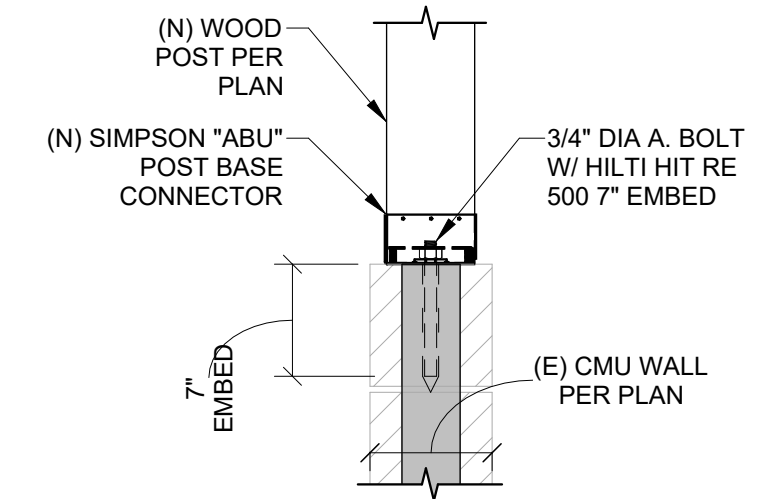
CMU-REBAR SPLICE SCHEDULE				
FM' = 1500		8 IN CMU		
REBAR SIZE	REBAR LOCATION IN CMU	DEV./SPLICE LENGTH	REBAR LOCATION IN CMU	DEV./SPLICE LENGTH
3	CENTER	15	FACE	15
4	CENTER	20	FACE	25
5	CENTER	25	FACE	39
6	CENTER	43	FACE	74



10 TYPICAL (N) INTERIOR COL FTG CONNECTION DETAIL
3/4" = 1'-0"

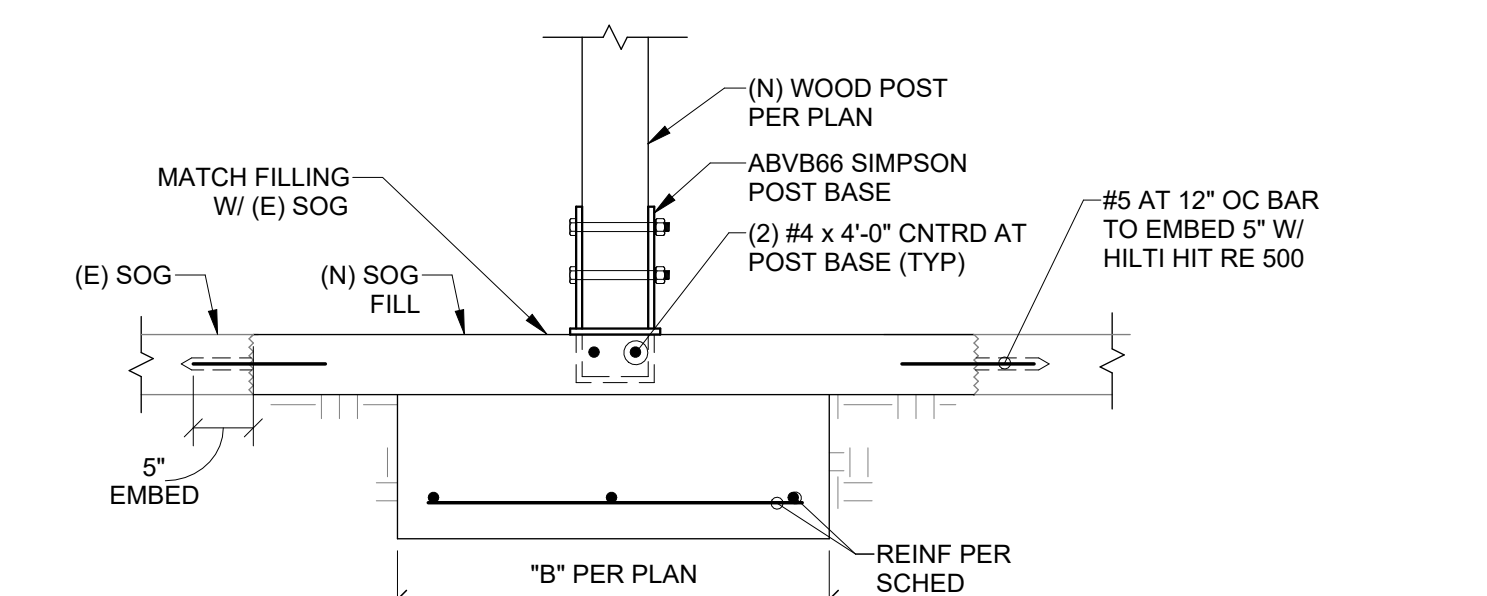


6 TYPICAL WOOD POST ON (N) CMU WALL DETAIL
1" = 1'-0"

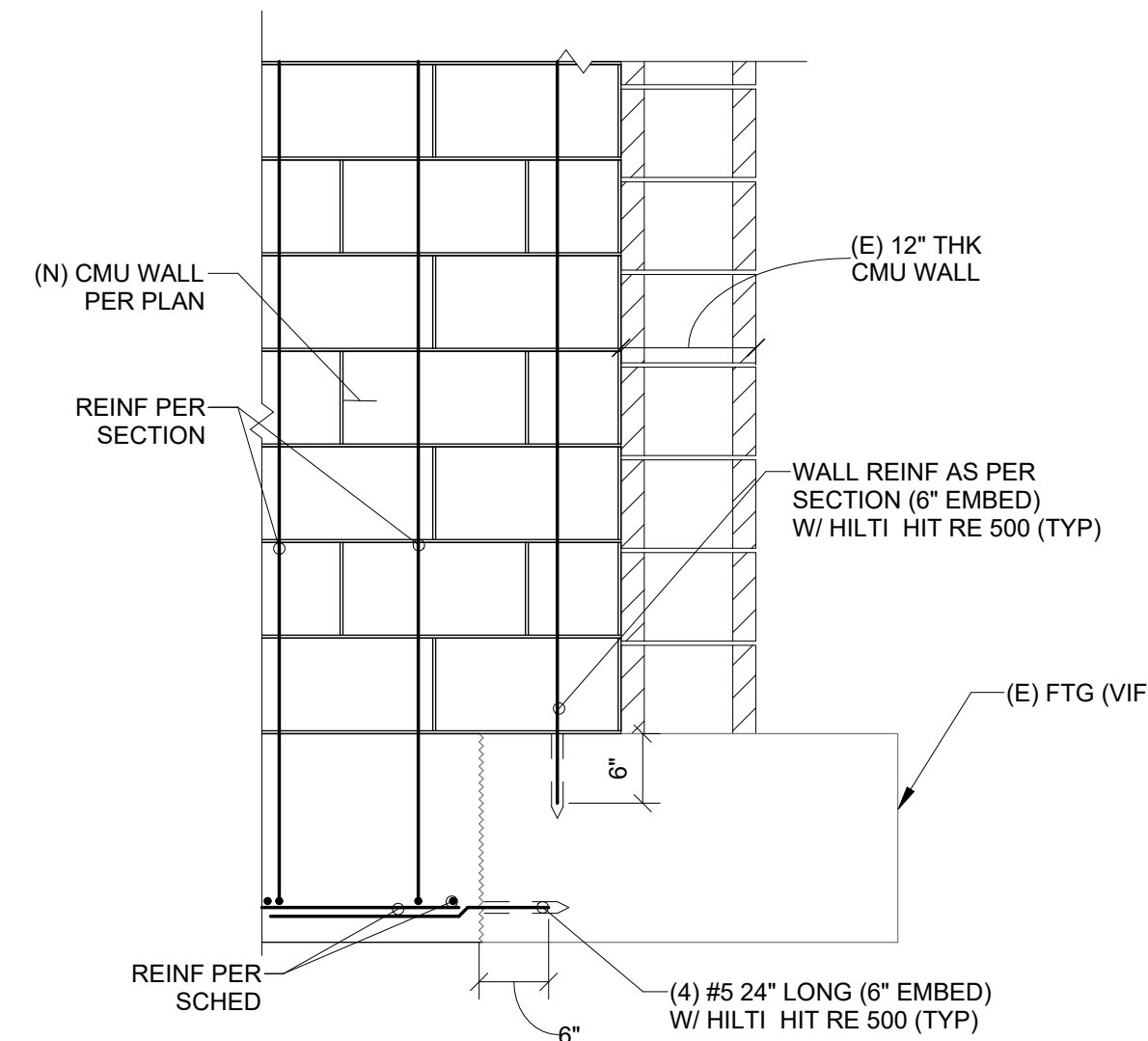


4 TYPICAL WOOD POST ON (E) CMU WALL DETAIL
1" = 1'-0"

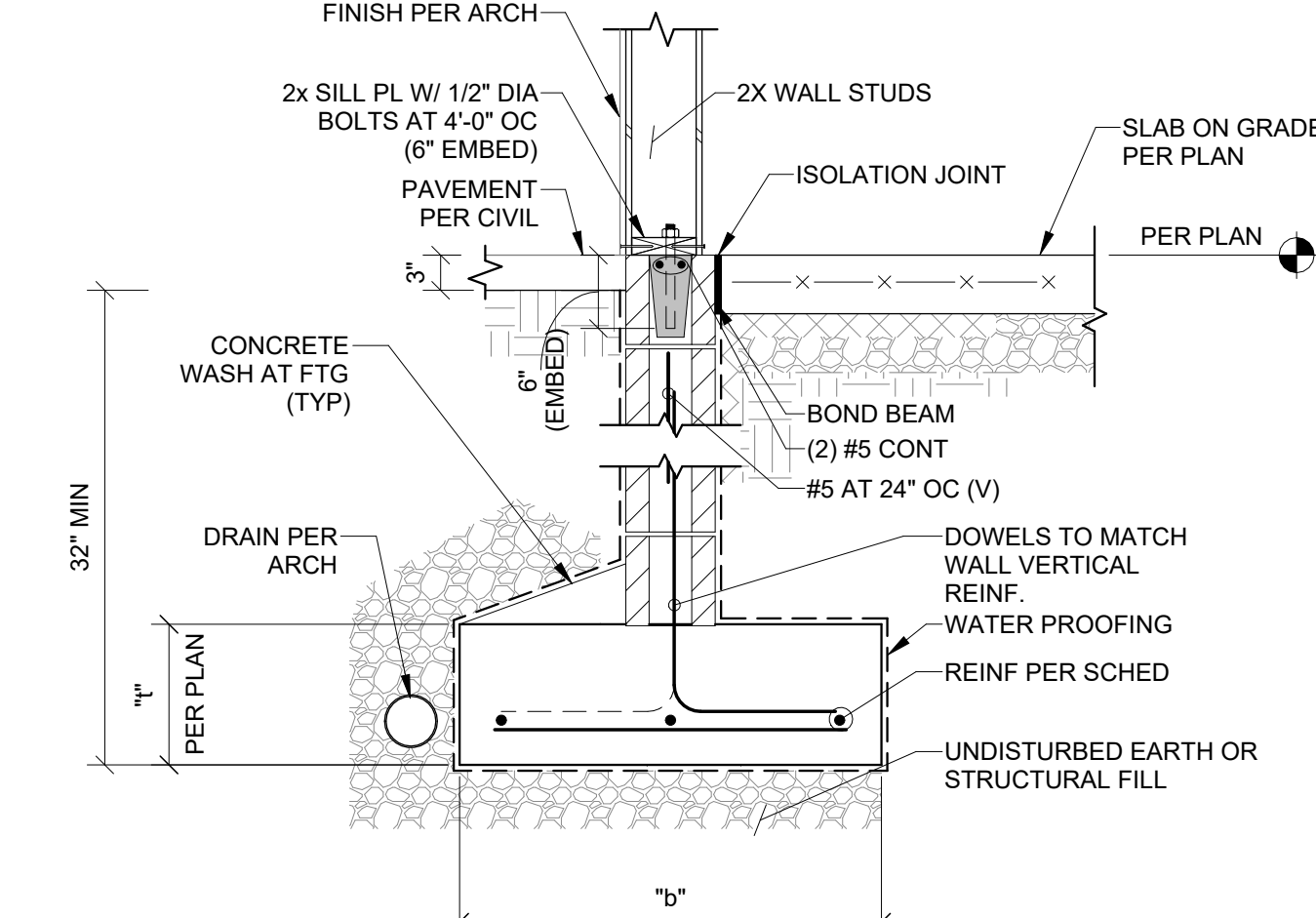
MASONRY WALL REINFORCEMENT (UNLESS NOTED OTHERWISE IN SECTIONS/DETAIL)	
FILL BLOCK VOIDS CONTAINING REINF STEEL W/ 2500 PSI CONC. USE 1/2" MAX AGGREGATE SIZE	
REINFORCING STEEL:	
BLOCK THICKNESS	8"
VERTICAL BARS	#5 AT 24"OC
HORIZONTAL (BOND BEAMS)	(2) #5
ALL JAMBS & CORNERS TO BE REINFORCED W/ CONTINUOUS VERTICAL BAR. FRAME ALL OPENINGS EXCEEDING 24" W/ (2) #5, EXTEND 24" BEYOND CORNERS.	
BOND BEAMS & LINTELS:	
FILL ALL BOND BEAMS & LINTELS W/ 2500 PSI CONCRETE W/ 1/2" MAX. AGGREGATE SIZE. PROVIDE CONTINUOUS BOND BEAM COURSE AT TOP OF WALL. DOOR HEAD HEIGHT & AT 4'-0"OC (MAX) BTWN TOP OF WALL & FLOOR LINE.	
BOND BEAMS (UNLESS SHOWN OTHERWISE) 1/2" CLR	
BLOCK SIZE	REINF
8 x 16	(2) #5
12 x 16	(3) #5



5 TYP POST ON INTERNAL FTG DETAIL
3/4" = 1'-0"



8 TYPICAL DETIAL FOR (N) FTG TO (E) FTG CONNECTION
3/4" = 1'-0"



A SECTION
3/4" = 1'-0"

NO.	REVISION/ISSUE	DATE
R0	FOR PERMIT	02-27-2026

DISCLAIMER

THESE DRAWINGS ARE PROPERTY OF YOGI ENGINEERING LLC. THERE MUST NOT BE REPRODUCED IN WHOLE OR PART. ANY UNAUTHORIZED USE WITHOUT WRITTEN PERMISSION IS PROHIBITED. YOGI ENGINEERING LLC DISCLAIMS RESPONSIBILITY OF THE DOCUMENTS IF USED IN WHOLE OR PART OF ANY OTHER LOCATION. CONTRACTOR SHOULD REVIEW AND VERIFY ALL DIMENSIONS AND CONDITIONS. CONTRACTOR TO REPORT APPLICANT OF ANY ERROR, OMISSION OR INCONSISTENCY DISCOVERED.

PROJECT:

GARAGE EXPANSION
AT
WEST ORANGE, NJ

DRAWING TITLE:

**TYPICAL FOUNDATION
DETAILS**

SCALE: As indicated

PROJECT NO: 26004

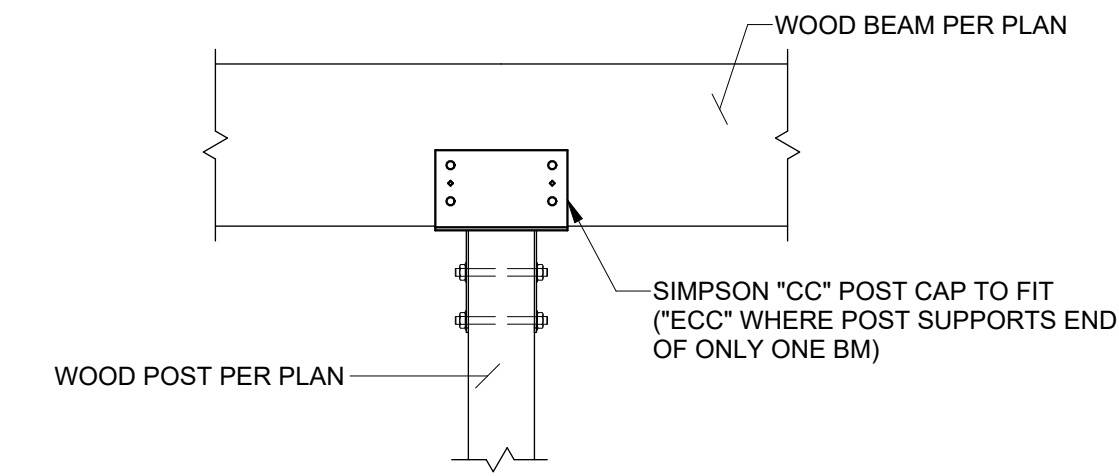
DATE: 02-27-2026

DRAWN BY: FP

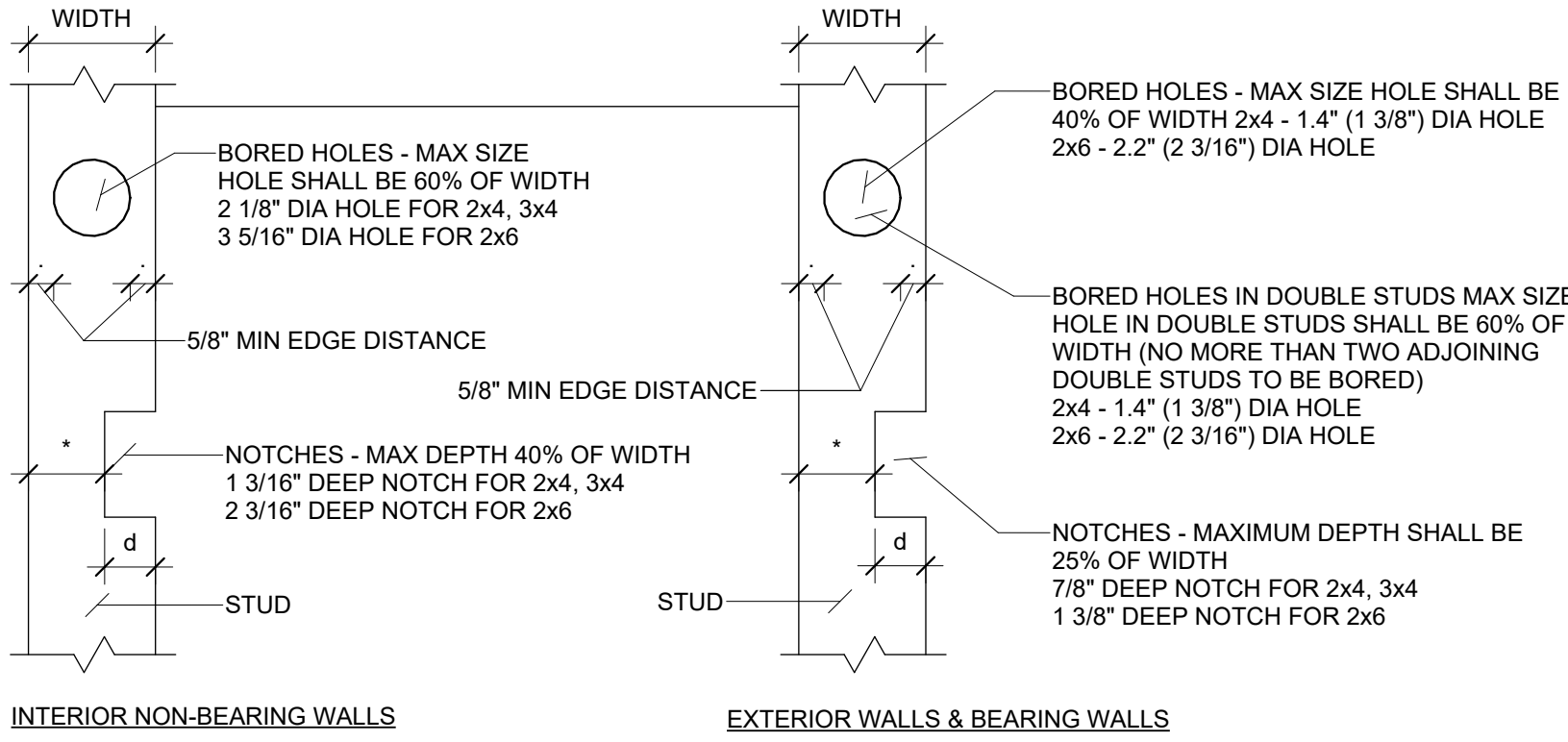
CHKD. BY: SNP

SHEET NO:

NOTE:
1. BEAM CONT OVER SUPPORT AT SIM.
2. ALL EXT HARDWARE ON WALKWAY TO BE OUTDOOR ACCENTS BY SIMPSONS.

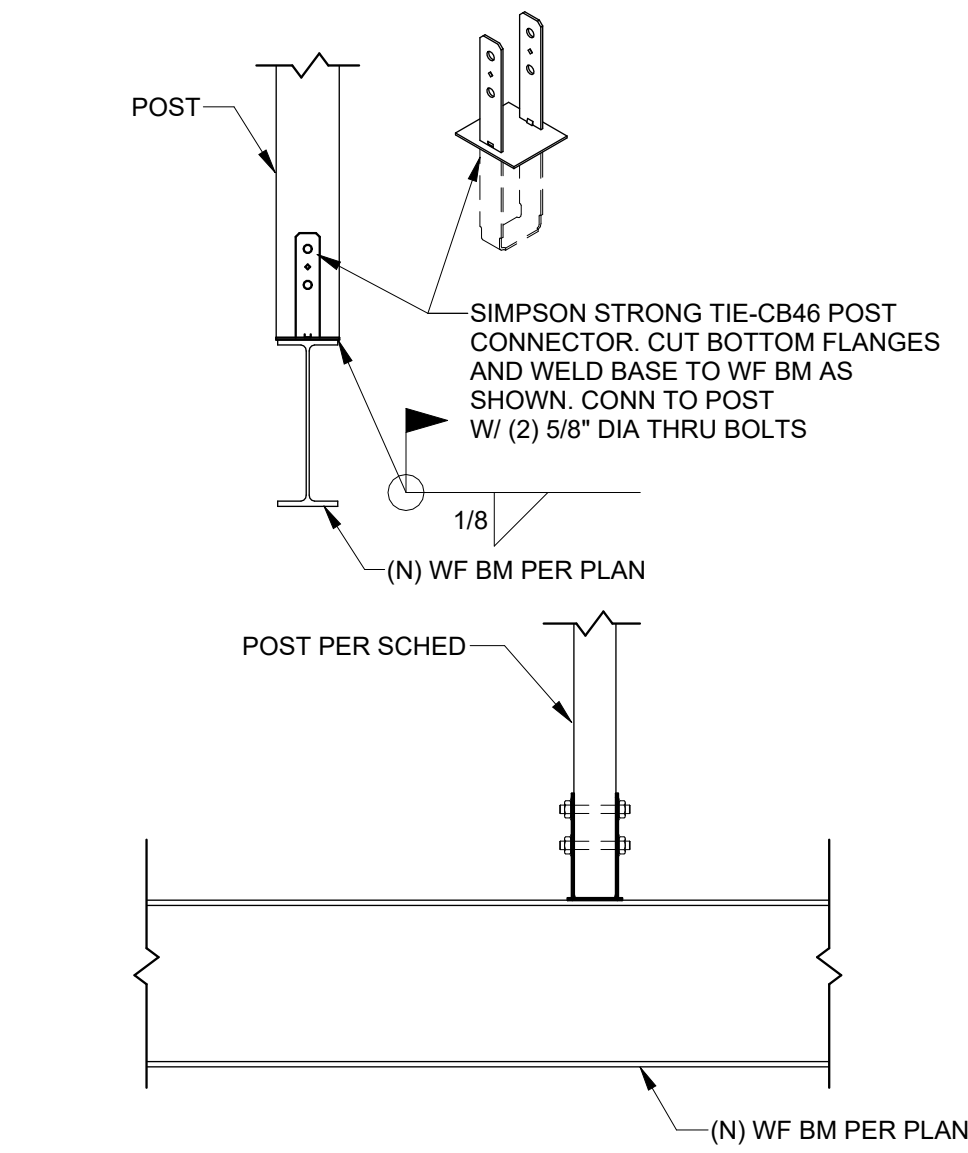
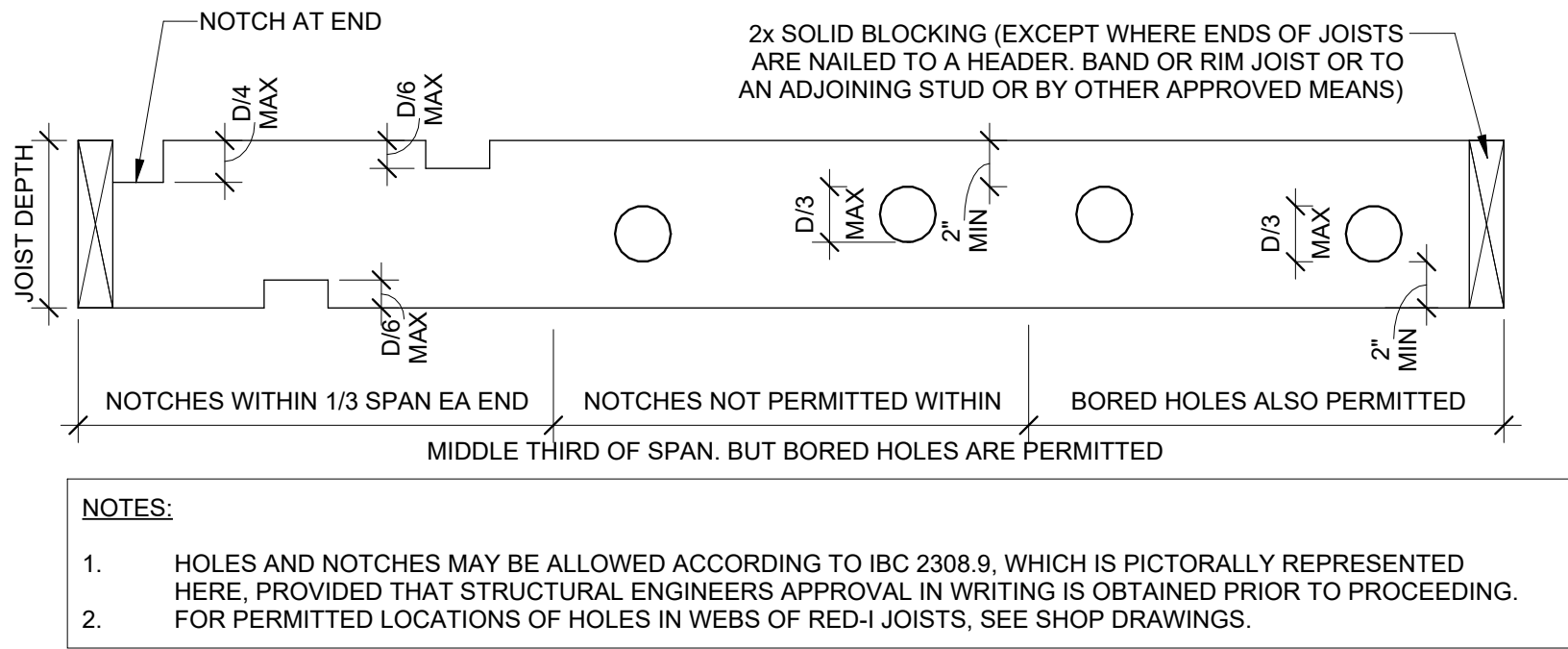


1 TYPICAL BEAM TO INTERMEDIATE POST CONNECTION DETAIL
3/4" = 1'-0"

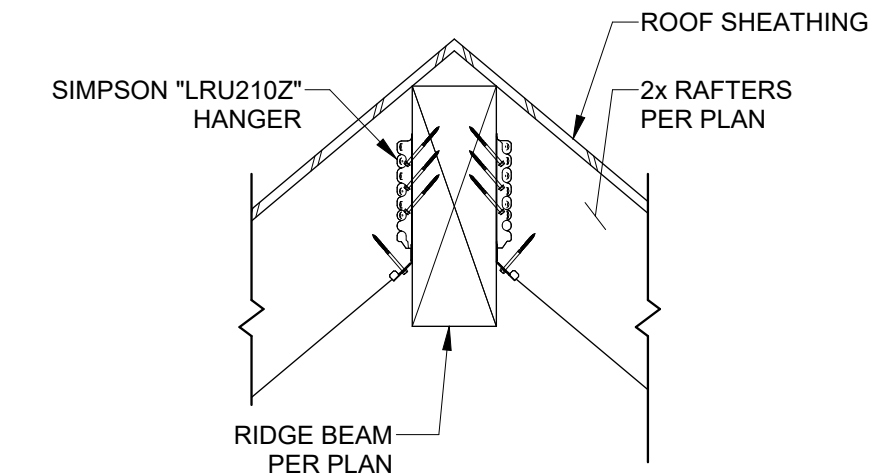


• PORTION OF STUD REMAINING AT NOTCHES OR HOLES SHALL BE SOUND WOOD WITHOUT EXCESSIVE STRENGTH-REDUCING PROPERTIES SUCH AS KNOTS, SPLITS, EXCESSIVE SLOPE OF GRAIN, ETC.

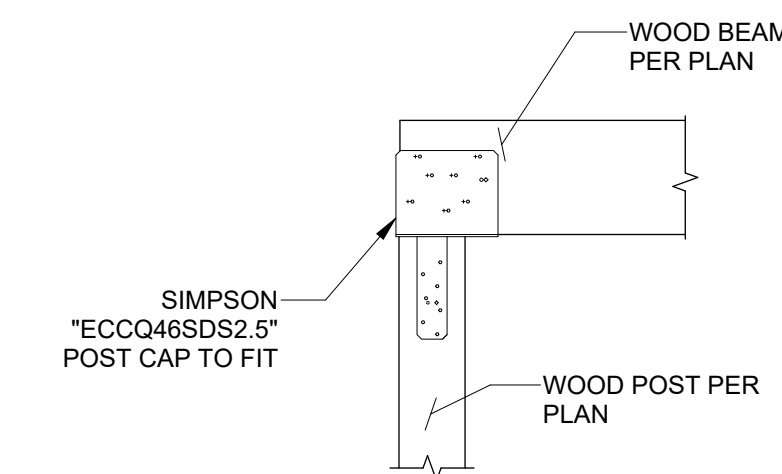
2 TYPICAL NOTCHES & HOLES IN STUDS & JOISTS
1 1/2" = 1'-0"



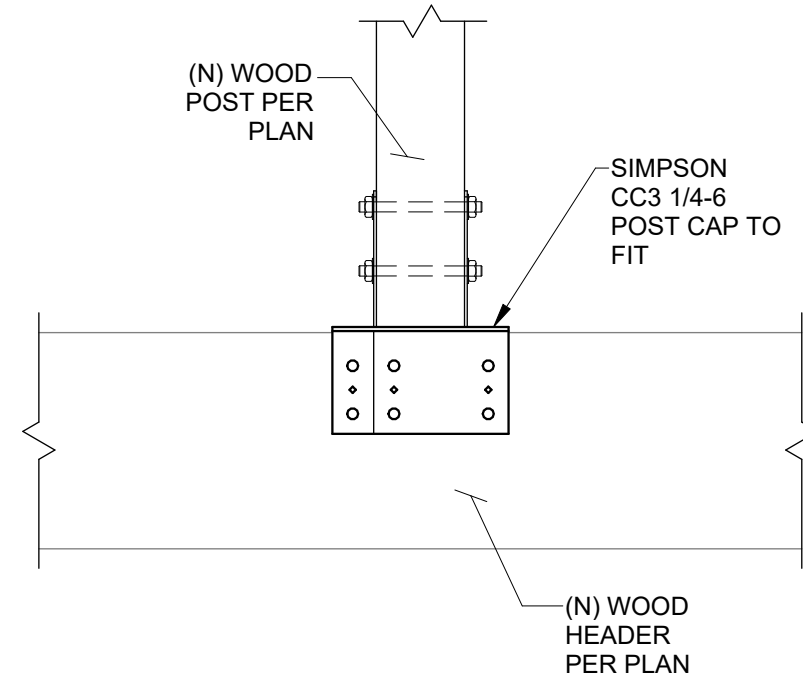
4 TYP TOP PL SPLICE DETAIL
3/4" = 1'-0"



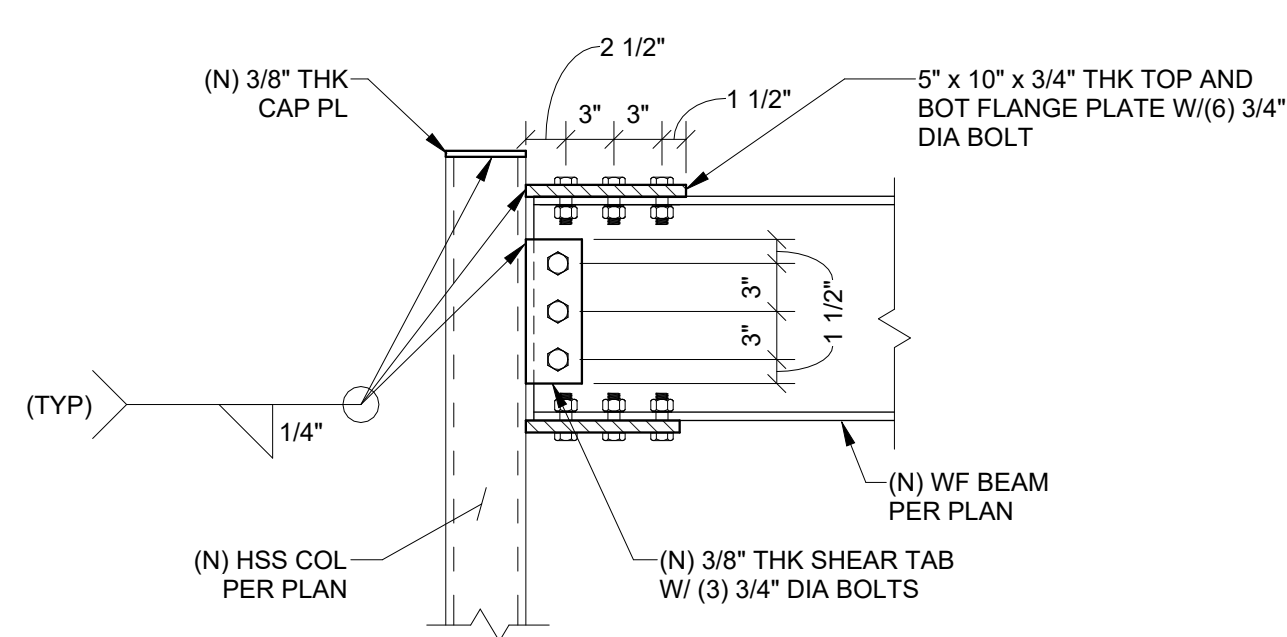
5 TYP ROOF RAFTERS TO RIDGE BEAM CONN DETAIL
3/4" = 1'-0"



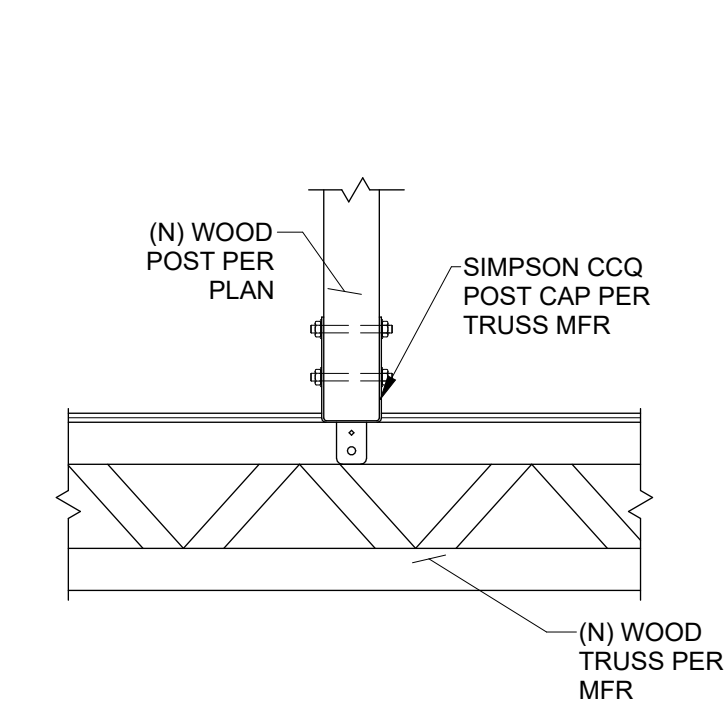
6 TYPICAL BEAM TO POST END CAP CONNECTION DETAIL
3/4" = 1'-0"



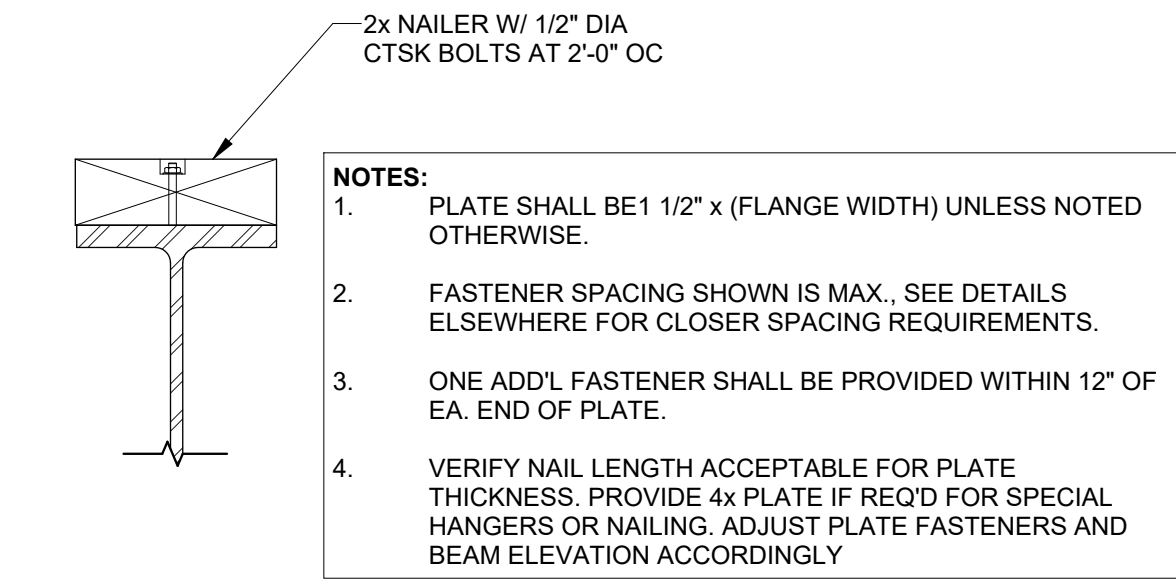
7 TYPICAL POST ON (N) WOOD HEADER DETAIL
1" = 1'-0"



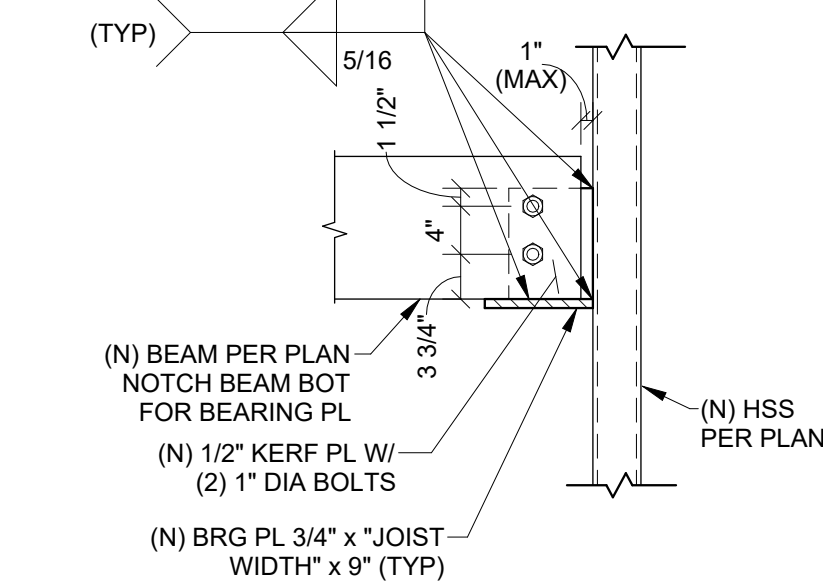
8 TYPICAL (N) HSS COL TO (N) WF BEAM MOMENT CONNECTION DETAIL
1" = 1'-0"



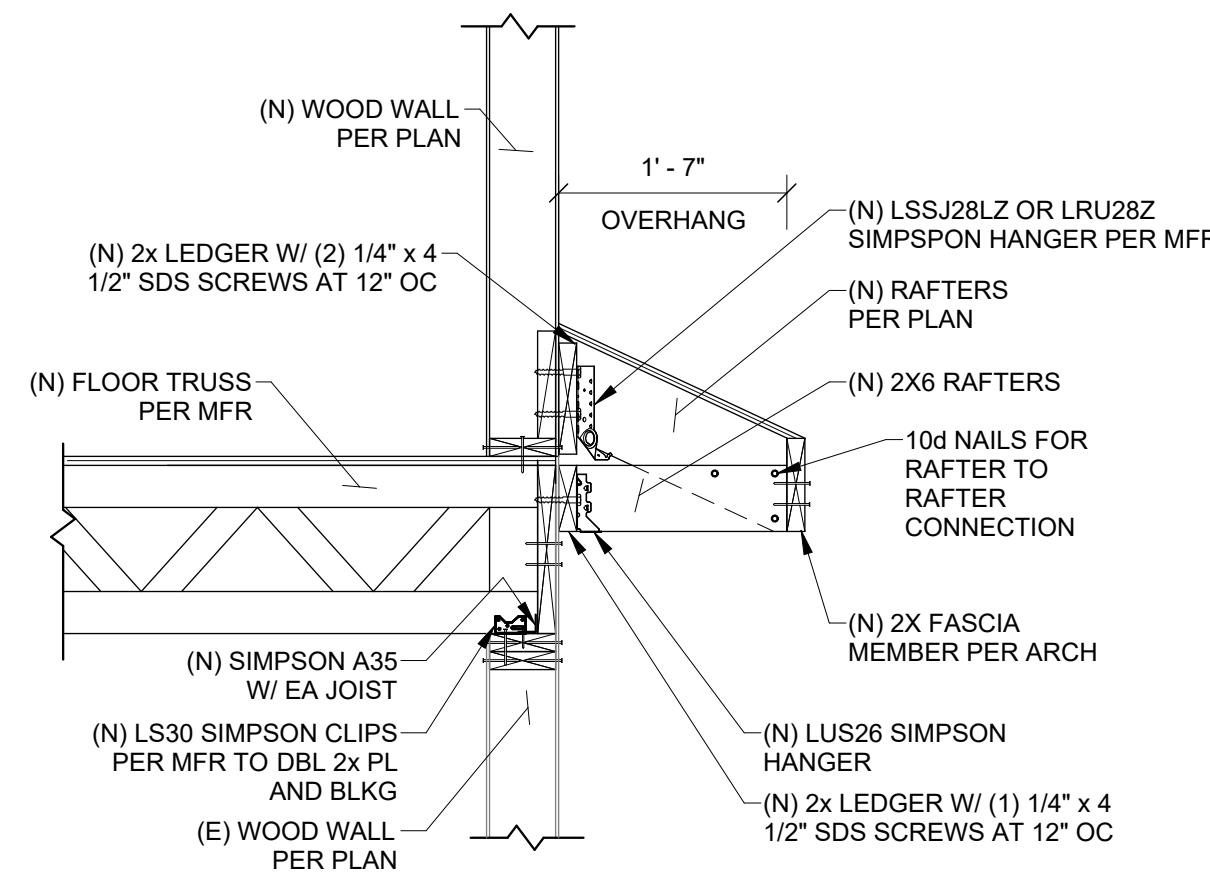
9 TYPICAL POST ON (N) WOOD TRUSS DETAIL
3/4" = 1'-0"



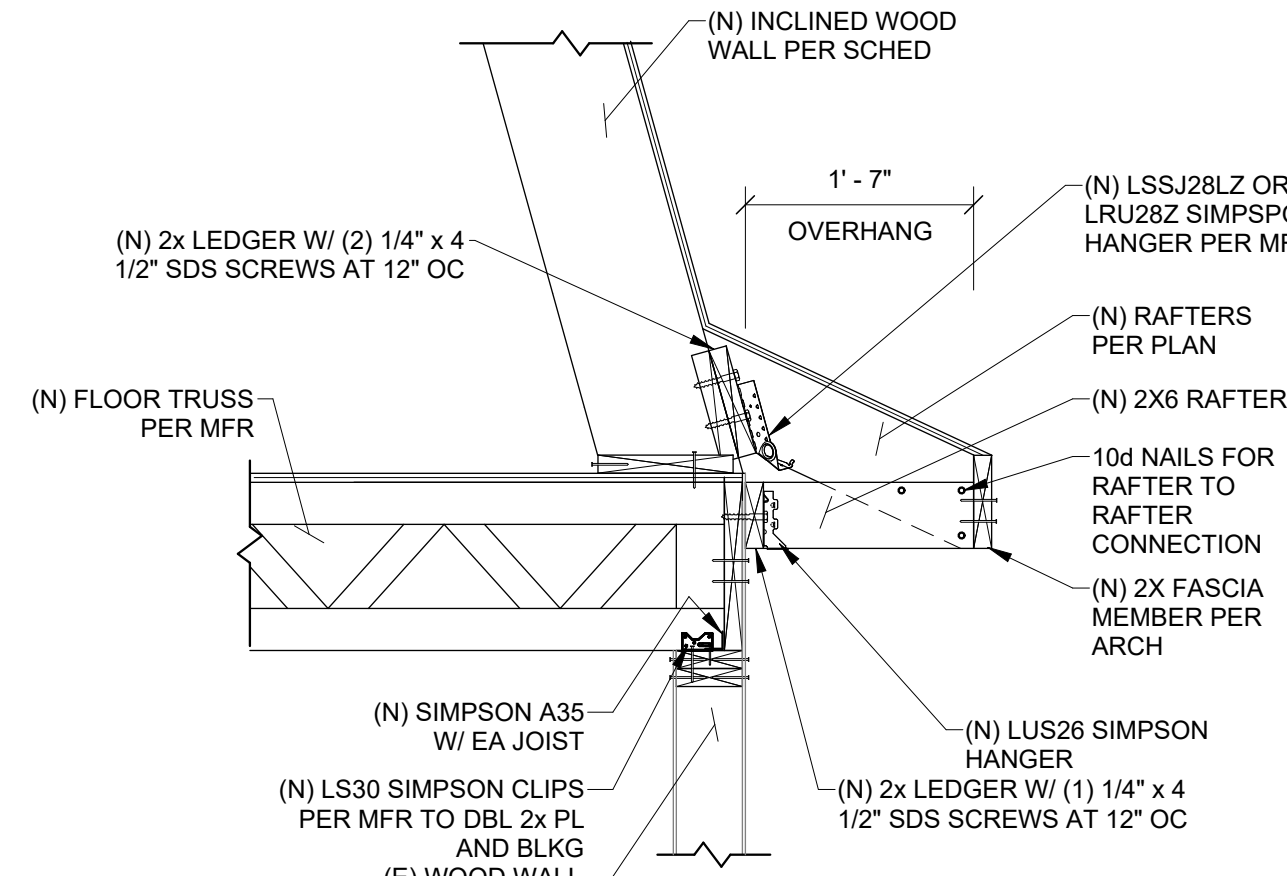
10 TYPICAL NAILER DETAIL
3/4" = 1'-0"



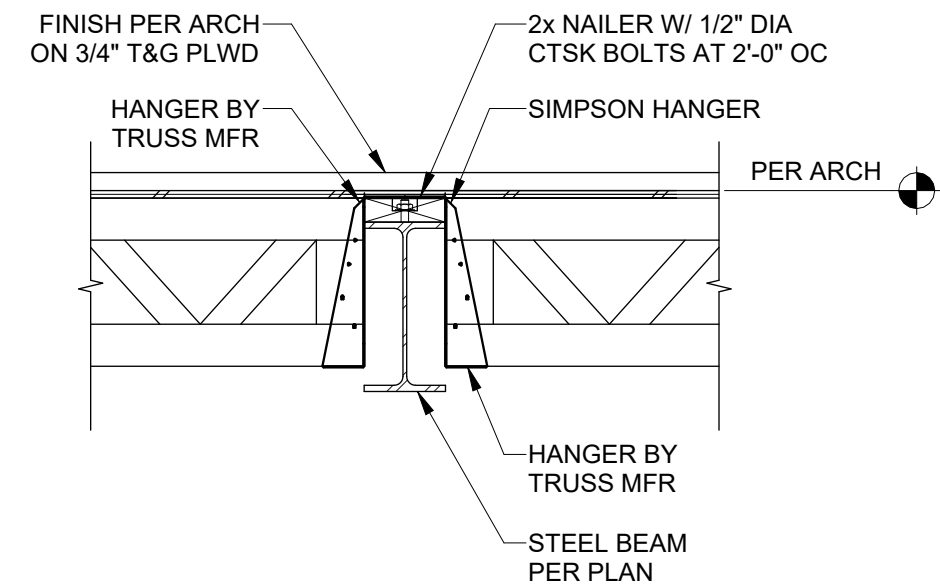
11 (N) WOOD BEAM TO (N) HSS COL CONNECTION DETAIL
3/4" = 1'-0"



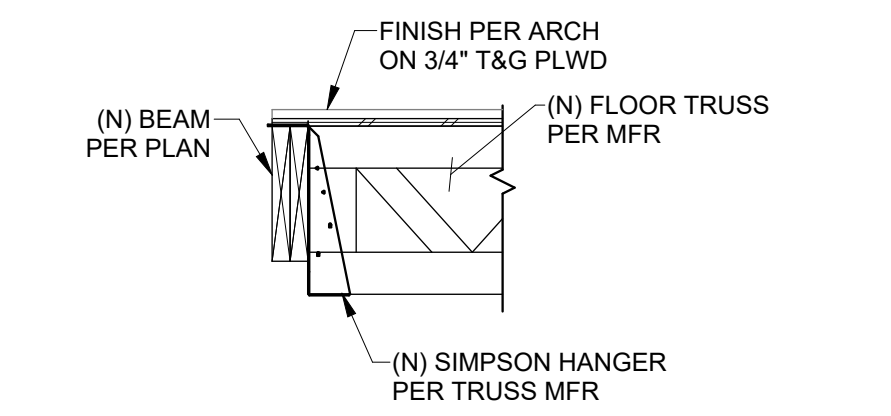
A SECTION
3/4" = 1'-0"



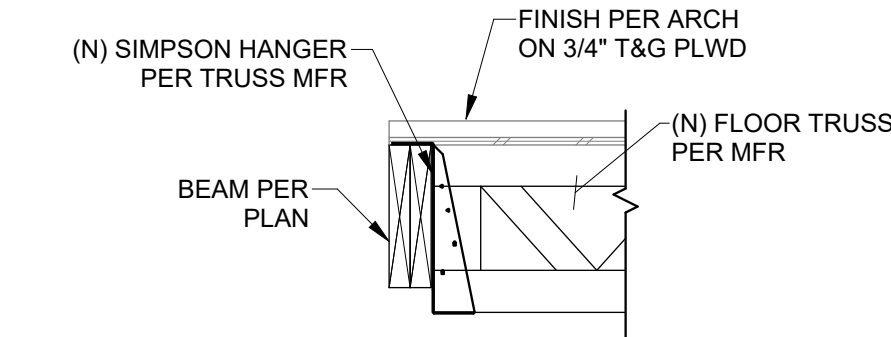
B SECTION
3/4" = 1'-0"



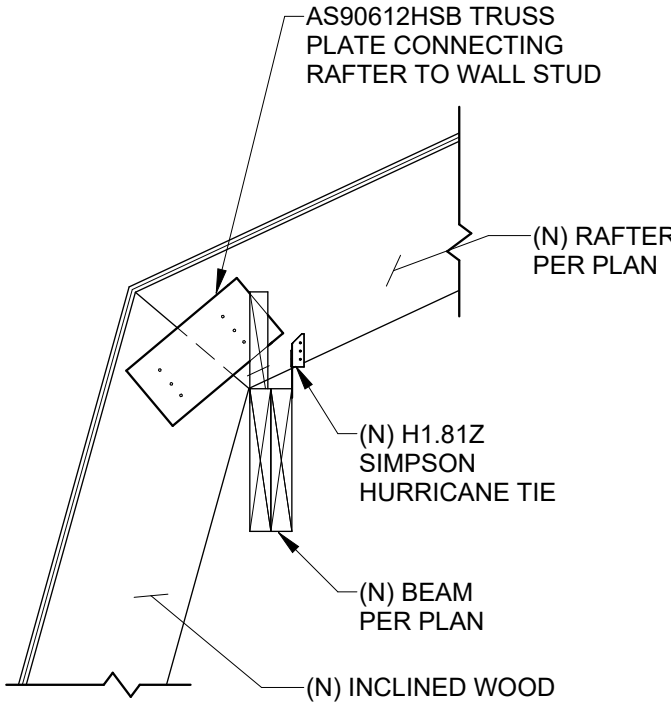
C SECTION
3/4" = 1'-0"



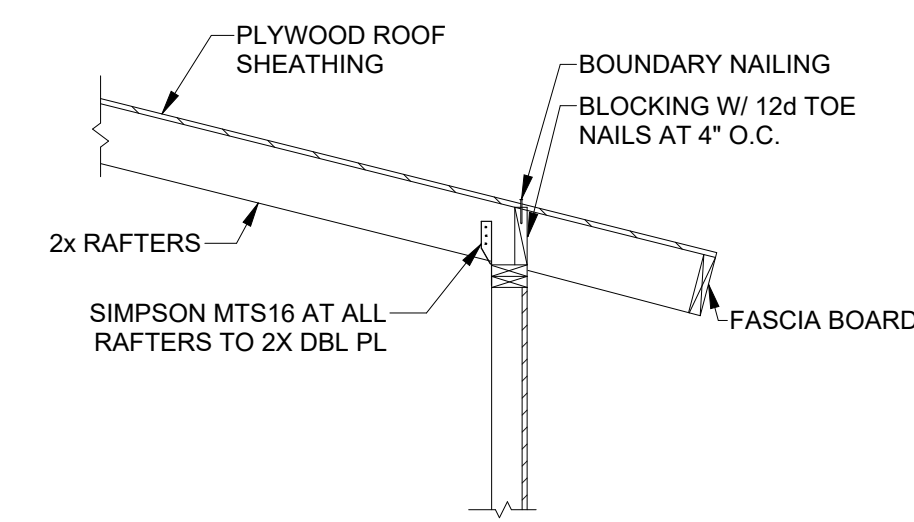
D SECTION
3/4" = 1'-0"



E SECTION
3/4" = 1'-0"

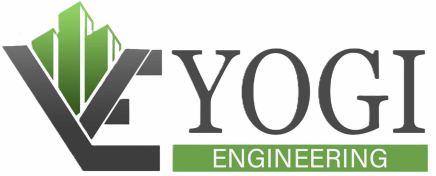


F SECTION
3/4" = 1'-0"



G SECTION
1/2" = 1'-0"

ENGINEER



238 CHITTENDEN RD, CLIFTON,
NEW JERSEY 07013
M: 551.232.4302
yogiengs@gmail.com

CLIENT:

MAX GROSSMAN

PROFESSIONAL SEAL



CONSULTANT

SEVA ENGINEERING
DESIGN | ENGINEERING | CONSULTING
242 OLD NEW BRUNSWICK RD, SUITE 370, PISCATAWAY, NJ 08854
INFO@SEVAENGINEERING.COM | P: 732.707.7382

NO.	REVISION/ISSUE	DATE
R0	FOR PERMIT	02-27-2026

DISCLAIMER

THESE DRAWINGS ARE PROPERTY OF YOGI ENGINEERING LLC. THERE MUST NOT BE REPRODUCED IN WHOLE OR PART. ANY UNAUTHORIZED USE WITHOUT WRITTEN PERMISSION IS PROHIBITED. YOGI ENGINEERING LLC DISCLAIMS RESPONSIBILITY OF THE DOCUMENTS IF USED IN WHOLE OR PART OF ANY OTHER LOCATION. CONTRACTOR SHOULD REVIEW AND VERIFY ALL DIMENSIONS AND CONDITIONS. CONTRACTOR TO REPORT APPLICANT OF ANY ERROR, OMISSION OR INCONSISTENCY DISCOVERED.

PROJECT:

GARAGE EXPANSION
AT
WEST ORANGE, NJ

DRAWING TITLE:

TYPICAL DETAILS &
SECTIONS

SCALE: As indicated
PROJECT NO: 26004
DATE: 02-27-2026
DRAWN BY: FP
CHKD. BY: SNP
SHEET NO: