

PROJECT INFORMATION		DESIGN PROFESSIONAL INFORMATION		CONSTRUCTION AND SITE	
PROJECT NAME	Icehouse Restaurant, Swansboro	ARCHITECT/ENGINEER/CONSULTANT	Dereck Rabun, PE	INSPECTION CATEGORIES	Concrete, Structural Steel, Deep Foundations
PROJECT DESCRIPTION	Commercial	FIRM	FDR Engineers	SEISMIC DESIGN CATEGORY	B
LOCATION	Swansboro, Onslow County, NC	ADDRESS	13200 Strickland Rd., Suite 114 Box 332, Raleigh, NC 27613	WIND SPEED	140 MPH
OWNER		PHONE	(919) 957-5100	EXPOSURE CATEGORY	C

SPECIAL INSPECTION AND TESTING:

- SPECIAL INSPECTION AND MINIMUM TESTING SHALL BE PERFORMED IN ACCORDANCE WITH 2012 NCSBC, TABLES 1704.3 (STEEL), 1704.4 (CONCRETE), AND 1704.5.1 (MASONRY).
- INSPECTION & TESTING SHALL BE PROVIDED BY AN INDEPENDENT TESTING AGENCY HIRED AT THE OWNER'S EXPENSE. AGENCY INSPECTION PERSONNEL SHALL MEET THE INSPECTOR QUALIFICATIONS FOR EACH MATERIAL ITEM AS INDICATED IN THE SPECIFICATIONS. ALL RE-TESTING DUE TO FAILURE OF ORIGINAL TEST SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
- ANY MATERIAL OR PLACEMENT DEVIATIONS FROM MINIMUMS SHOWN ON THE DRAWINGS OR IN SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS & WASHERS:				
a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		X	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL STANDARDS	
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED (SHOP DRAWINGS)		X		
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
a. SNUG-TIGHT JOINTS		X		
b. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.		X	AISC 360, SECTION M2.5	1704.3.3
c. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED METHODS OF INSTALLATION.				
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
a. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.		X	AISC 360, SECTION M5.5	
b. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		X	APPLICABLE ASTM MATERIAL STANDARDS	
c. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.		X		
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
a. IDENTIFICATION MARKINGS TO COFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.		X	AISC 360, SECTION A3.5 AND APPLICABLE AWS AS DOCUMENTS	
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED (SHOP DRAWINGS)		X		
5. INSPECTION WELDING:				
a. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.			AWS D1.1	1704.3.1
2) MULTIPASS FILLET WELDS.				
3) SINGLE-PASS FILLET WELDS > 5/16"				
4) PLUG AND SLOT WELDS.				
5) SINGLE-PASS FILLET WELDS ≤ 5/16"		X		
6) FLOOR AND ROOF DECK WELDS.			AWS D1.3	
b.) REINFORCING STEEL:				
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.			AWS D1.4 ACI 318: SECTION 3.5.2	
2) REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.				
3) SHEAR REINFORCEMENT.				
4) OTHER REINFORCING STEEL.		X		
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:				
a. DETAILS SUCH AS BRACING AND STIFFENING.		X		1704.3.2
b. MEMBER LOCATIONS.		X		
c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		X		

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.		X	ACI 318: 3.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 9b.			AWS D1.4 ACI 318: 3.5.2	
3. INSPECTION BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	X		ACI 318: 8.1.3, 21.2.8	1911.5, 1912.1
4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.		X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.		X	ACI 318: Ch 4, 5.2-5.4	1904.3, 1913.2, 1913.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X		ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X		ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	ACI 318: 5.11-5.13	1913.9
9. INSPECTION OF PRESTRESSED CONCRETE:				
a. APPLICATION OF PRESTRESSING FORCES.			ACI 318: 18.20	
b. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.			ACI 318: 18.18.4	
10. ERECTION OF PRECAST CONCRETE MEMBERS.			ACI 318: Ch 16	
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.			ACI 318: 6.2	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X	ACI 318: 6.1.1	

REQUIRED VERIFICATION AND INSPECTION OF DRIVEN DEEP FOUNDATION ELEMENTS - 2012 NCSBC (TABLE 1704.8)		
VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION	
	CONTINUOUS	PERIODIC
1. VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.	X	
2. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.	X	
3. OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	
4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY CHANGE TO FOUNDATION ELEMENT.	X	
5. FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE SECTION 1704.3.		X
6. FOR CONCRETE FILLED ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.4.		
7. FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.		X



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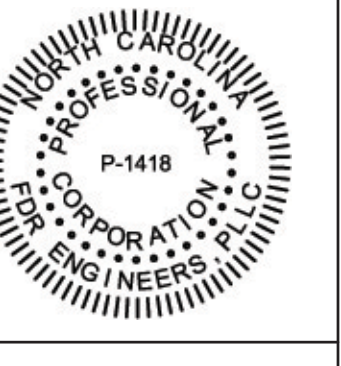
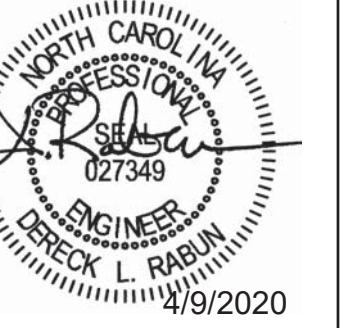
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SPECIAL INSPECTIONS

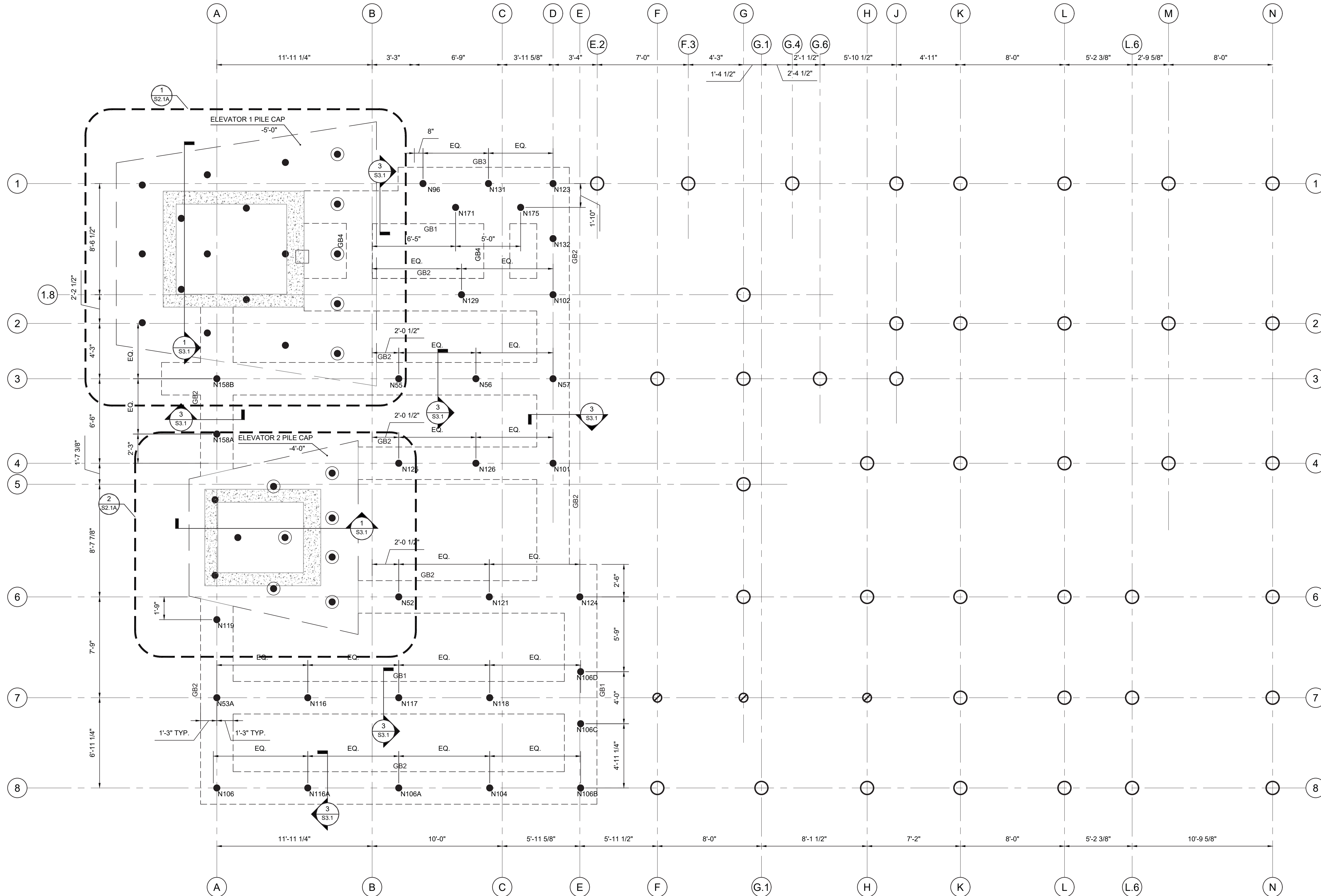
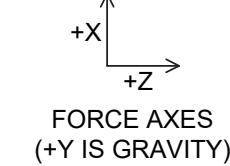
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Sheet
S1.2

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GRADE BEAM PILE FORCES (SERVICE LOADS)			
Pile Label	X-Shear [k]	Y-Axial [k]	Z-Shear [k]
N52	-0.008	11.998	-0.5198
N96	0.003	4.028	-0.5908
N131	0.01	3.104	-0.5728
N123	-0.47	5.158	-0.4678
N174	0.007	4.386	-0.5968
N175	-0.012	4.961	-0.6298
N132	-0.141	9.168	-0.6978
N129	-0.011	8.947	-0.5838
N102	0.07	15.115	-0.5778
N55	0.005	13.625	-0.65
N56	0.013	14.955	-0.667
N57.1	-0.11	17.972	-0.669
N158B	-0.005	10.69	-0.648
N158A	-0.057	11.086	-0.7354
N125	-0.003	8.252	-0.7574
N126	0.017	9.454	-0.8024
N101	0.378	18.007	-0.8704
N119	-0.017	13.702	-0.912
N52	-0.008	11.998	-0.915
N121	0.047	13.563	-0.624
N124	0.04	20.301	-1.735
N53A	-0.14	13.389	-0.61
N116	0	7.509	-0.614
N117	0.032	5.707	-0.645
N118	0.037	7.34	-0.645
N106D	0.008	12.848	-0.694
N106	0.749	15.407	-0.8104
N116A	-0.077	10.688	-0.7294
N106A	0.028	12.577	-0.4504
N104	0.125	15.868	-1.0684
N106B	0	17.551	-0.9684
N106C	-0.026	10.792	-0.702



- ### 1 PILE AND GRADE BEAM LAYOUT
- SCALE: 1/4" = 1'-0"
- NOTES:**
- PC # : PILE CAP MARK
 - #-# : TOP OF PILE CAP ELEVATION BELOW FINISHED FLOOR
 - HSS5X5X5/16 BP2 | -4'-0" : COLUMN MARK
 - BASEPLATE MARK : BASEPLATE ELEVATION BELOW FINISHED FLOOR
 - PIPING MUST PASS UNDER GRADE BEAMS. SEE TYPICAL FOUNDATION DETAIL. NOTIFY EOR IF PIPE CANNOT BE ROUTED BELOW A GRADE BEAM.
 - TOP OF GRADE BEAM ELEVATION 1'-6" BELOW REFERENCE FFE, UNO.
 - GB# DENOTES GRADE BEAM MARK. SEE GRADE BEAM SCHEDULE BELOW AND TYPICAL GRADE BEAM ELEVATION.
 - : DENOTES STEEL PILE (LOADS PER SCHEDULE, S2.1 OR S2.1A) (SEE S3.1)
 - ⊙ : DENOTES STEEL PILE WITH UPLIFT (LOADS PER SCHEDULE, S2.1A)
 - : DENOTES 12" MIN. DIAMETER WOOD PILE (SEE S5.3)
 - ⊗ : DENOTES 8" MIN. DIAMETER WOOD PILE (SEE S5.3)
 - FOR TYPICAL MASONRY WALL CONSTRUCTION DETAILS SEE S5.4
 - VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCES
 - CENTERLINE OF GRADE BEAM SHALL COINCIDE WITH COLUMN CENTERLINE UNLESS NOTED OTHERWISE.
 - CENTER PILES UNDER GRADE BEAMS UNLESS NOTED OTHERWISE.
 - GRADE BEAMS AND PILE CAPS TO BE MONOLITHIC WHERE THEY INTERSECT.
 - PILE DESIGNER MUST INCLUDE ALLOWANCE FOR 8 FT OF SCOUR BELOW GRADE PER FEMA P-65.

GRADE BEAM SCHEDULE					
MARK	SIZE		REINFORCEMENT		
	WIDTH	HEIGHT	BOTTOM BARS	TOP BARS	STIRRUPS
GB1	30"	32"	(4) #6	(4) #6	#4 @ 16"
GB2	30"	32"	(3) #6	(3) #6	#4 @ 16"
GB3	28"	32"	(3) #6	(3) #6	#4 @ 16"
GB4	24"	24"	(3) #5	-	#4 @ 16"

PILE CAP SCHEDULE					
MARK	SIZE		REINFORCING		
	WIDTH (X)	LENGTH (Y)	DEPTH	BOTTOM BARS	TOP BARS
ELEVATOR 1	SEE S2.1A	SEE S2.1A	32"	#8 @ 13" EA. WAY	#8 @ 13" EA. WAY
ELEVATOR 2			32"	#8 @ 14" EA. WAY	#8 @ 14" EA. WAY

- 1 SHEET REVISED 1/10/2020
- 2 SHEET REVISED 4/07/2020

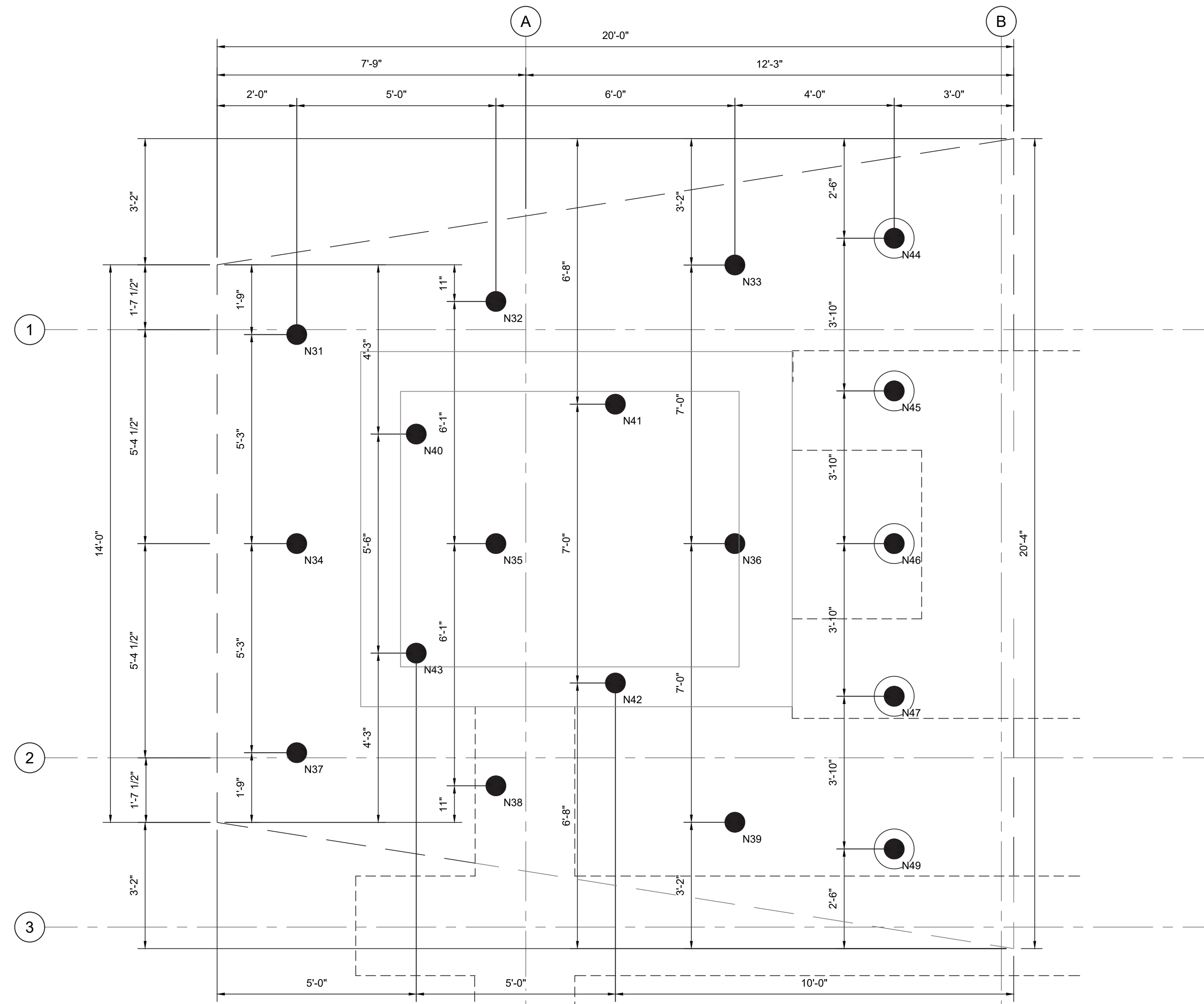
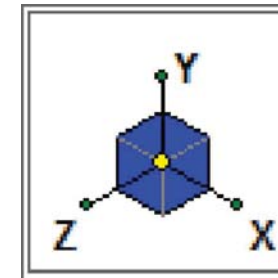
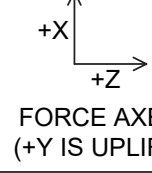
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PILE AND GRADE BEAM LAYOUT

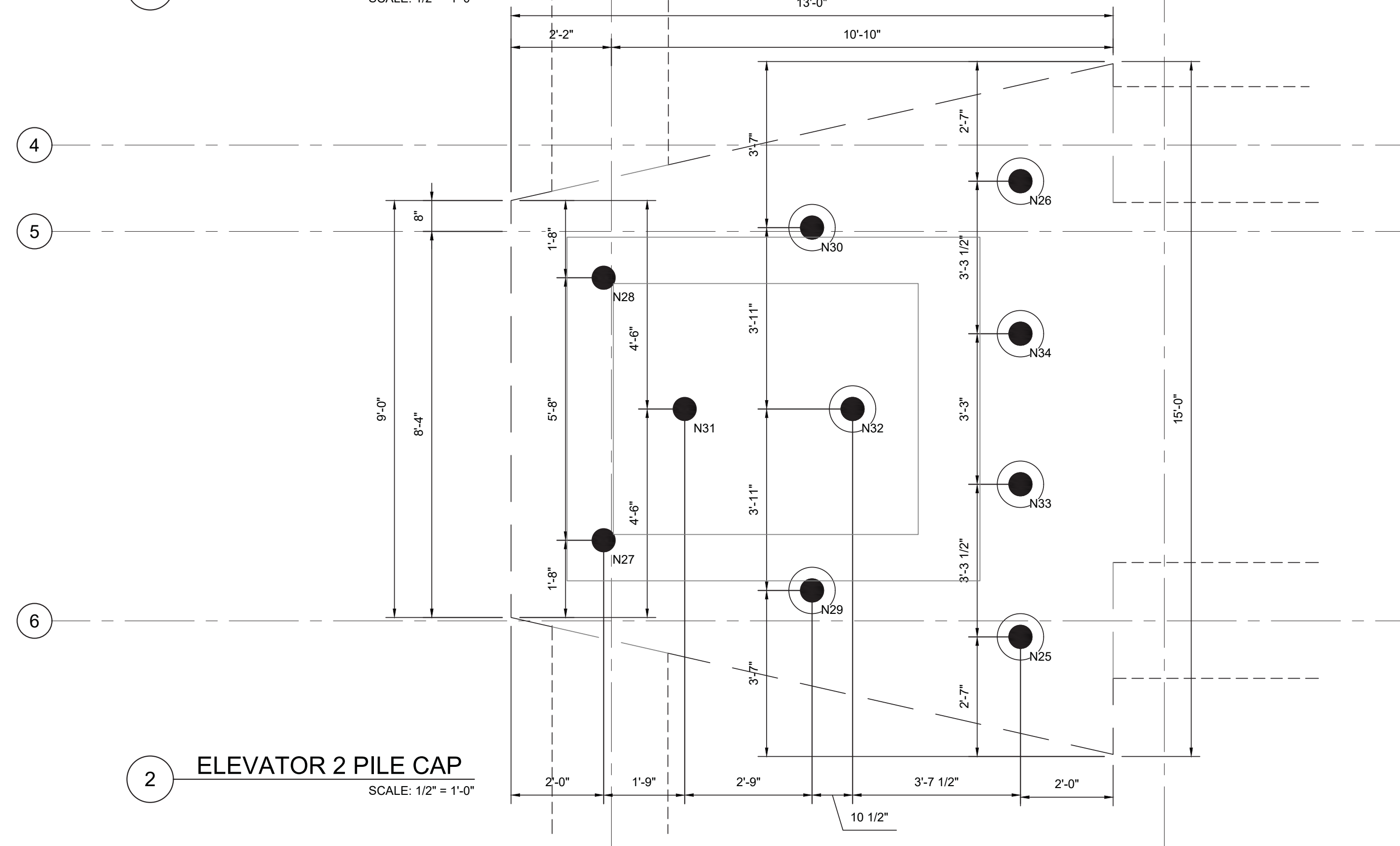
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S2.1

ELEVATOR 1 PILE FORCE SCHEDULE							
LC	Point Label	X[k]	Y[k]	Z[k]	MX[k-ft]	MY[k-ft]	MZ[k-ft]
24	N31	0.049	-6.992	-9.828	0	0	0
24	N32	-0.968	-4.237	-19.66	0	0	0
24	N33	-3.359	-1.741	-10.275	0	0	0
24	N40	-6.352	-5.492	-18.503	0	0	0
24	N41	-1.329	-2.989	-24.143	0	0	0
24	N34	-2.716	-6.997	-8.417	0	0	0
24	N35	-2.342	-4.241	-9.371	0	0	0
24	N36	-3.792	-1.742	-6.068	0	0	0
24	N43	-2.167	-5.495	-15.076	0	0	0
24	N42	-4.478	-2.991	-26.374	0	0	0
24	N37	-2.876	-6.999	-10.52	0	0	0
24	N38	-3.462	-4.243	-16.646	0	0	0
24	N39	-1.805	-1.744	-10.711	0	0	0
24	N44	-1.655	37.771	-3.696	0	0	0
24	N45	-1.368	57.285	-7.346	0	0	0
24	N46	-3.198	69.008	-5.537	0	0	0
24	N47	-1.754	51.101	-8.225	0	0	0
24	N49	0.171	19.811	-2.911	0	0	0

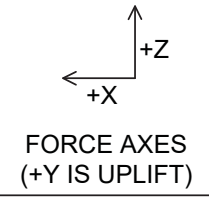


1 ELEVATOR 1 PILE CAP
SCALE: 1/2" = 1'-0"

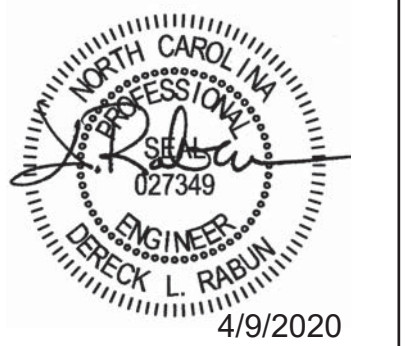


2 ELEVATOR 2 PILE CAP
SCALE: 1/2" = 1'-0"

ELEVATOR 2 PILE FORCE SCHEDULE							
LC	Point Label	X[k]	Y[k]	Z[k]	MX[k-ft]	MY[k-ft]	MZ[k-ft]
1	N25	9.284	61.57	1.338	0	0	0
1	N26	9.62	62.009	-1.566	0	0	0
1	N33	13.024	64.985	-0.793	0	0	0
1	N34	13.024	65.127	0.197	0	0	0
1	N32	10.949	23.923	-0.43	0	0	0
1	N29	20.086	6.077	-2.168	0	0	0
1	N30	21.819	6.174	1.772	0	0	0
1	N31	12.845	-26.337	0.504	0	0	0
1	N27	22.901	-52.182	2.224	0	0	0
1	N28	23.117	-52.363	-1.077	0	0	0



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Project Name

ELEVATOR PILE
LAYOUT

Sheet Title

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Sheet

S2.1A

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Sheet

1

2

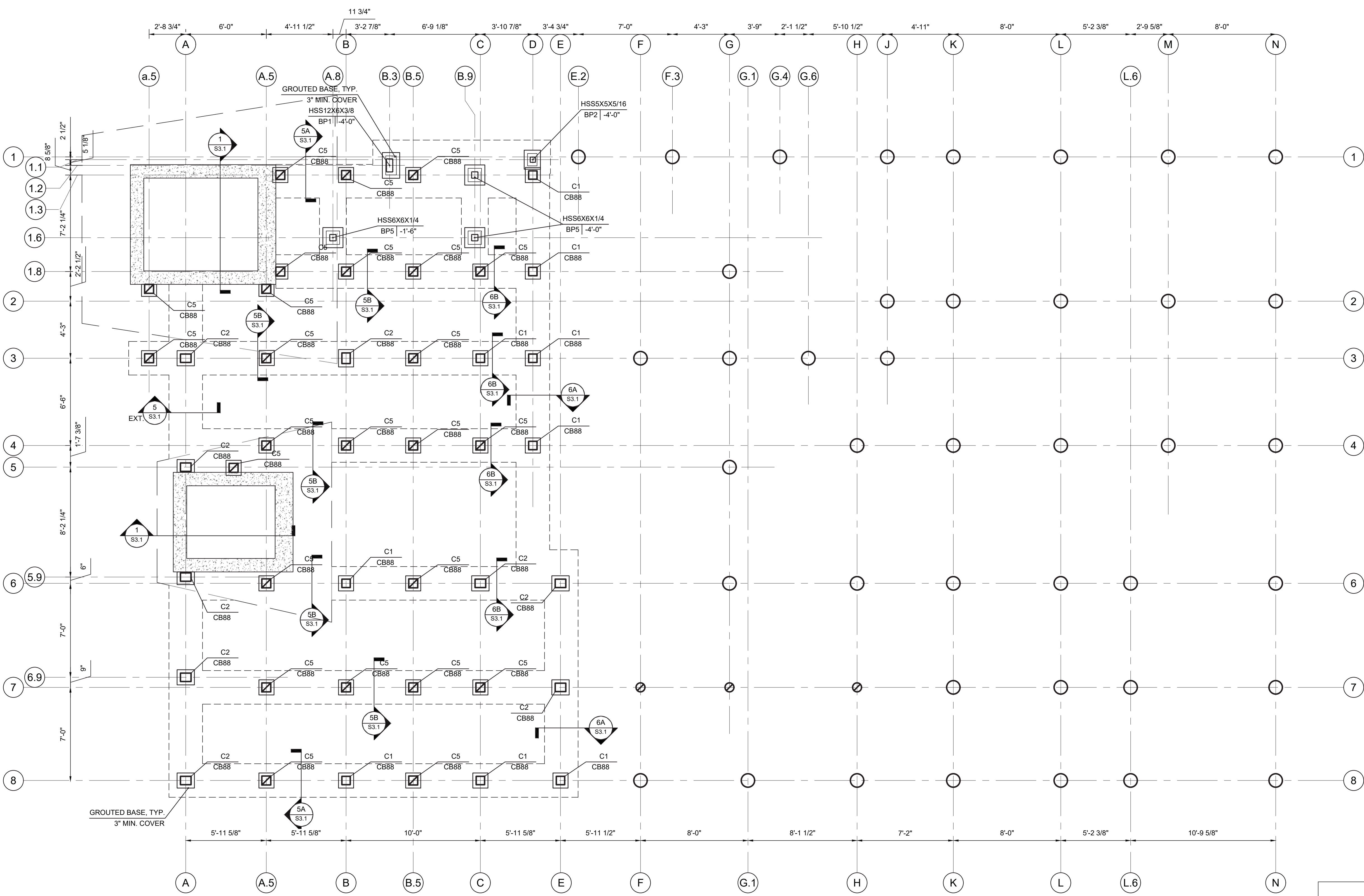
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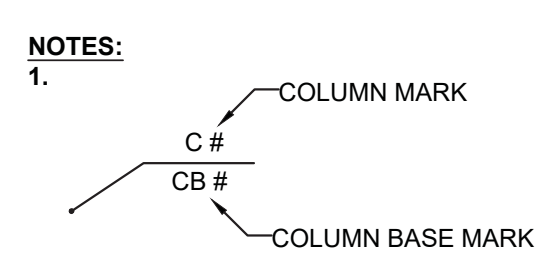
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1 FOUNDATION PLAN

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



- : DENOTES 12" DIAMETER WOOD PILE (SEE S5.3)
 - : DENOTES 8" DIAMETER WOOD PILE (SEE S5.3)
 - : DENOTES WOOD COLUMN TO MAIN LEVEL
 - : DENOTES WOOD COLUMN TO DECK LEVEL
 - : DENOTES 8" CMU WALL TO BE REINFORCED (SEE S4.2, S4.3 & S4.4)
 - : DENOTES CAST IN PLACE CONCRETE WALL (SEE S4.2 & S4.3)
- FOR TYPICAL MASONRY WALL CONSTRUCTION DETAILS SEE S5.4
- VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCES
- PROVIDE #4 AT ALL INTERIOR SLAB EDGES AND CORNERS. SEE S3/S5.4 FOR TYPICAL SLAB ON GRADE REINFORCING
- C.J. DENOTES CONTROL JOINT OR CONSTRUCTION JOINT LOCATION. SEE DETAILS 1 AND 2 ON SHEET S5.4

COLUMN SCHEDULE			
MARK	SIZE	BASE ELEVATION	TOP ELEVATION
C1	8X8 SP#2	GRADE BEAM (-4'-0")	MAIN FLOOR (11'-9")
C2	8X10 SP#2	GRADE BEAM (-4'-0")	MAIN FLOOR (11'-9")
C3	HSS10X5X1/4	GRADE BEAM (-4'-0")	ROOF (33'-4 1/2")
C4	HSS5X5X1/4	GRADE BEAM (-4'-0")	ROOF (33'-4 1/2")
C5	8X8 SP#2	GRADE BEAM (-4'-0")	WATER LEVEL DECK (0'-0")

1 SHEET REVISED 1/10/2020

2 SHEET REVISED 4/07/2020



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Project Name

FRAMING PLAN
WATER LEVEL DECK

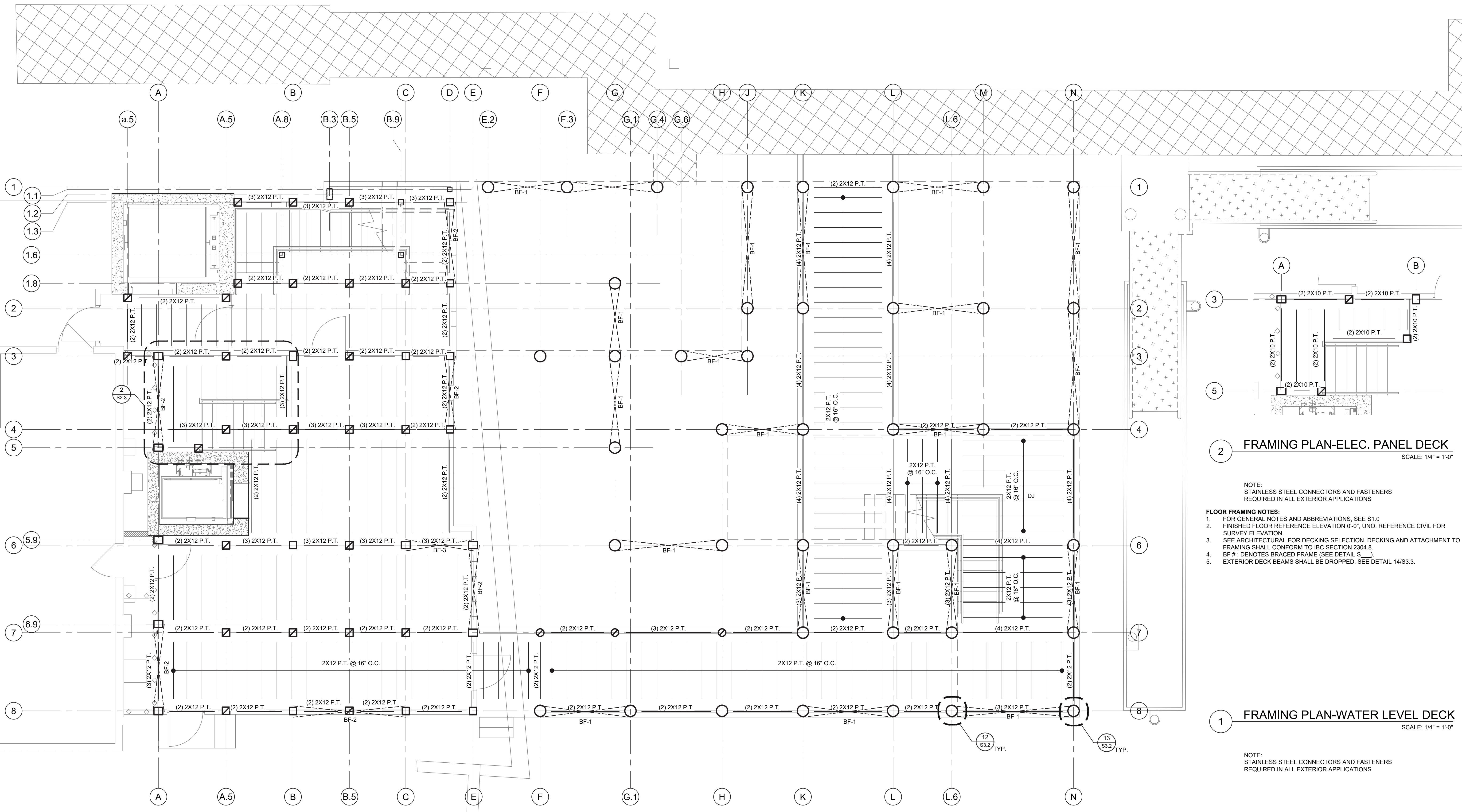
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S2.3

2 SHEET REVISED 4/07/2020



2 FRAMING PLAN-ELEC. PANEL DECK
SCALE: 1/4" = 1'-0"

NOTE:
STAINLESS STEEL CONNECTORS AND FASTENERS
REQUIRED IN ALL EXTERIOR APPLICATIONS

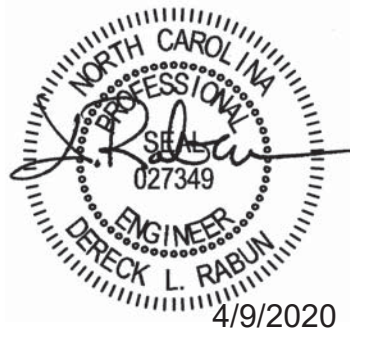
FLOOR FRAMING NOTES:

- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S1.0
- FINISHED FLOOR REFERENCE ELEVATION 0'-0", UNO. REFERENCE CIVIL FOR SURVEY ELEVATION.
- SEE ARCHITECTURAL FOR DECKING SELECTION, DECKING AND ATTACHMENT TO FRAMING SHALL CONFORM TO IBC SECTION 2304.8.
- BF # : DENOTES BRACED FRAME (SEE DETAIL S)
- EXTERIOR DECK BEAMS SHALL BE DROPPED. SEE DETAIL 14/S3.3.

1 FRAMING PLAN-WATER LEVEL DECK
SCALE: 1/4" = 1'-0"

NOTE:
STAINLESS STEEL CONNECTORS AND FASTENERS
REQUIRED IN ALL EXTERIOR APPLICATIONS

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Project Name

FRAMING PLAN
MAIN LEVEL

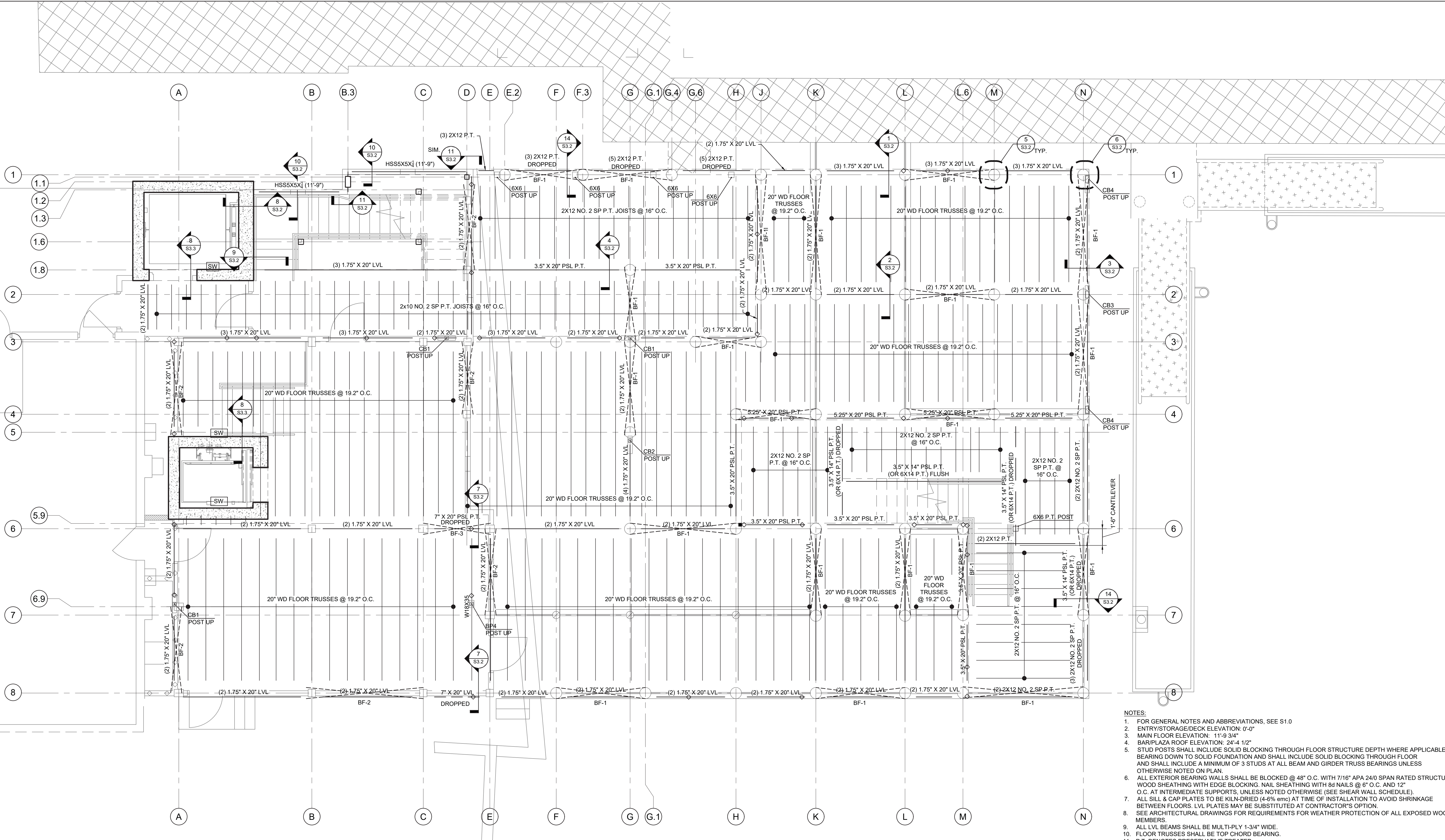
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Sheet

S2.4

Ownership of Instruments of Service: All reports, plans, specifications, computer files, field data, notes and instruments prepared by the design professional as instruments of service shall remain the property of the design professional. All common law, statutory and other reserved rights including the copyright therein.



1 FRAMING PLAN-MAIN LEVEL

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

- NOTES:**
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S1.0
 - ENTRY STORAGE/DECK ELEVATION: 0'-0"
 - MAIN FLOOR ELEVATION: 11'-9 3/4"
 - BAR/PLAZA ROOF ELEVATION: 24'-4 1/2"
 - STUD POSTS SHALL INCLUDE SOLID BLOCKING THROUGH FLOOR STRUCTURE DEPTH WHERE APPLICABLE BEARING DOWN TO SOLID FOUNDATION AND SHALL INCLUDE SOLID BLOCKING THROUGH FLOOR AND SHALL INCLUDE A MINIMUM OF 3 STUDS AT ALL BEAM AND GIRDER TRUSS BEARINGS UNLESS OTHERWISE NOTED ON PLAN.
 - ALL EXTERIOR BEARING WALLS SHALL BE BLOCKED @ 48" O.C. WITH 7/16" APA 24/0 SPAN RATED STRUCTURAL WOOD SHEATHING WITH EDGE BLOCKING. NAIL SHEATHING WITH 8d NAILS @ 6" O.C. AND 12" O.C. AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE (SEE SHEAR WALL SCHEDULE).
 - ALL SILL & CAP PLATES TO BE KILN-DRIED (4-6% emc) AT TIME OF INSTALLATION TO AVOID SHRINKAGE BETWEEN FLOORS. LVL PLATES MAY BE SUBSTITUTED AT CONTRACTOR'S OPTION.
 - SEE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS FOR WEATHER PROTECTION OF ALL EXPOSED WOOD MEMBERS.
 - ALL LVL BEAMS SHALL BE MULTI-PLY 1-3/4" WIDE.
 - FLOOR TRUSSES SHALL BE TOP CHORD BEARING.
 - P.T. DENOTES PRESERVATIVE TREATED.

KEYED NOTES & LEGEND

	REINFORCED CIP CONCRETE WALL, SEE S4.2 & S4.3 FOR ADDITIONAL REQUIREMENTS.
	WOOD STUD BEARING WALL WITH SOLID BLOCKING AT 48" O.C. MAX VERTICALLY. SEE WALL SCHEDULE FOR SIZE AND SPACING
	OPENING TYPE SEE S5.1
	WALL TYPE SEE S5.1
	POST TYPE SEE S5.1
	SHEAR WALL TYPE SEE S5.2
	SHEAR WALL POST SEE S5.2
	SHEAR WALL POST FROM ABOVE SEE S5.2

2 SHEET REVISED 4/07/2020



ICE HOUSE RESTAURANT
FRONT ST. & MOORE ST.

SWANSBORO, NC 28584

Project Name

FRAMING PLAN
ROOF PLAZA

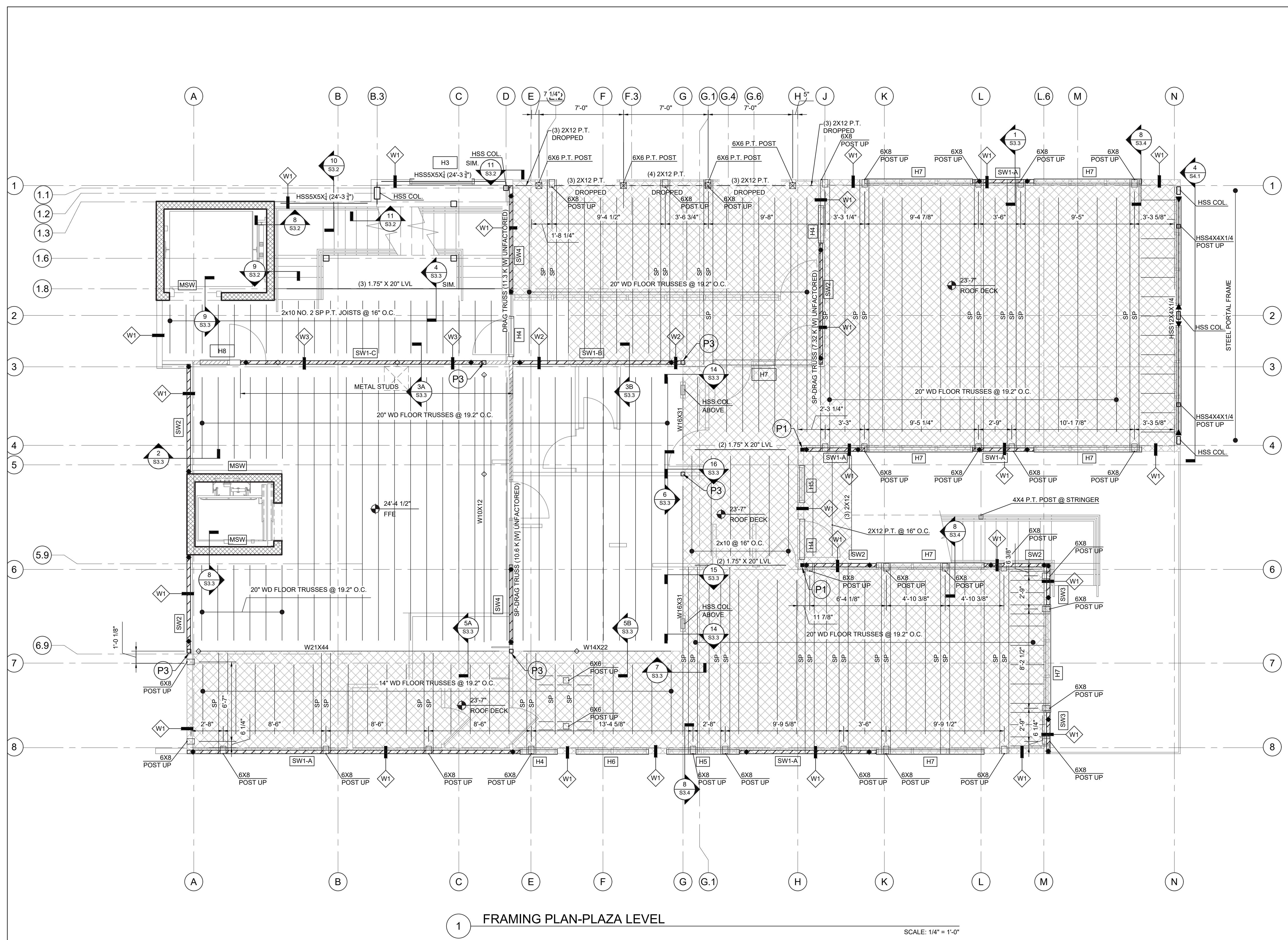
Sheet Title

DESIGNED BY:	DLR	
DRAWN BY:	CBA	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
2	-	4/07/2020

Sheet

S2.5

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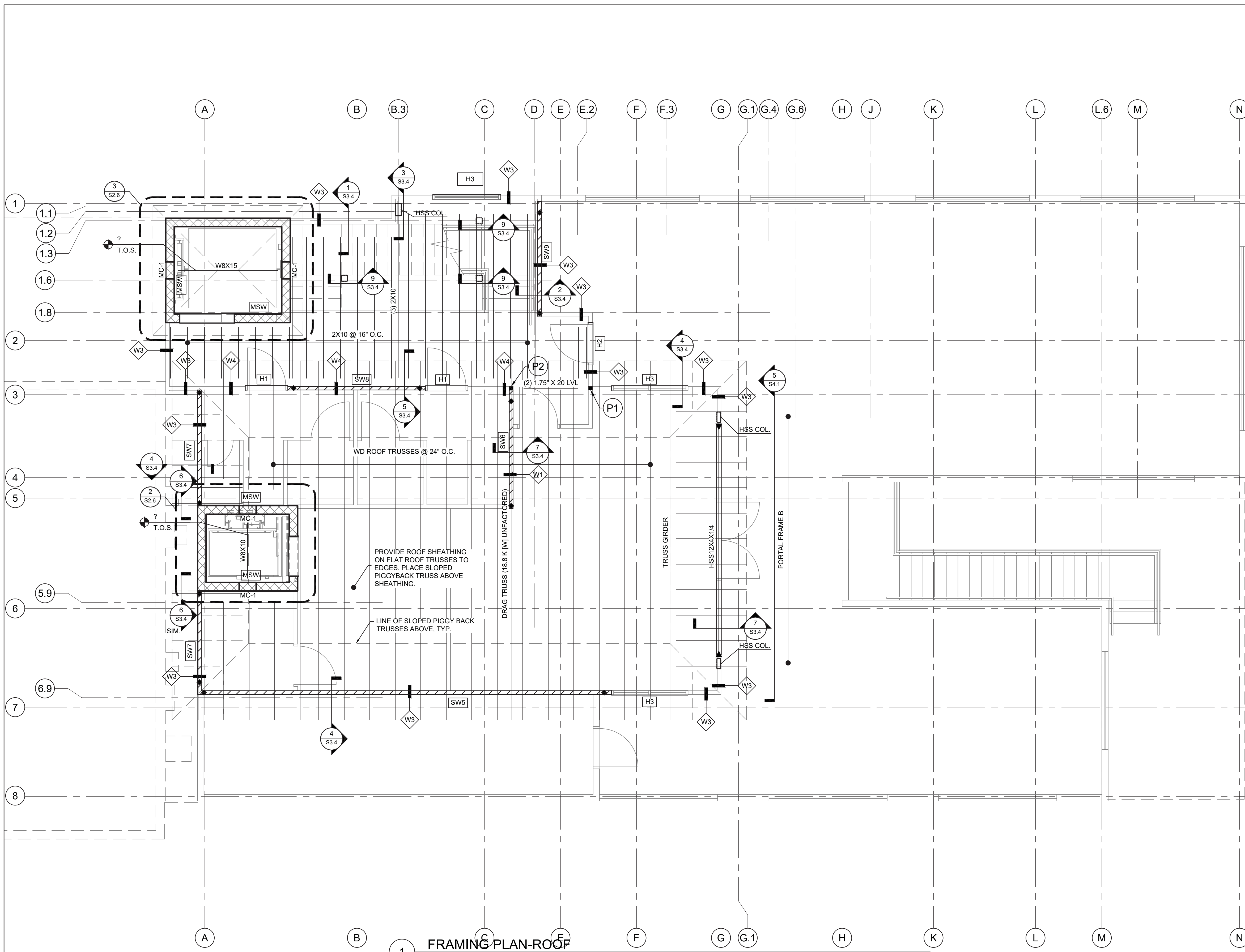


1 FRAMING PLAN-PLAZA LEVEL
SCALE: 1/4" = 1'-0"

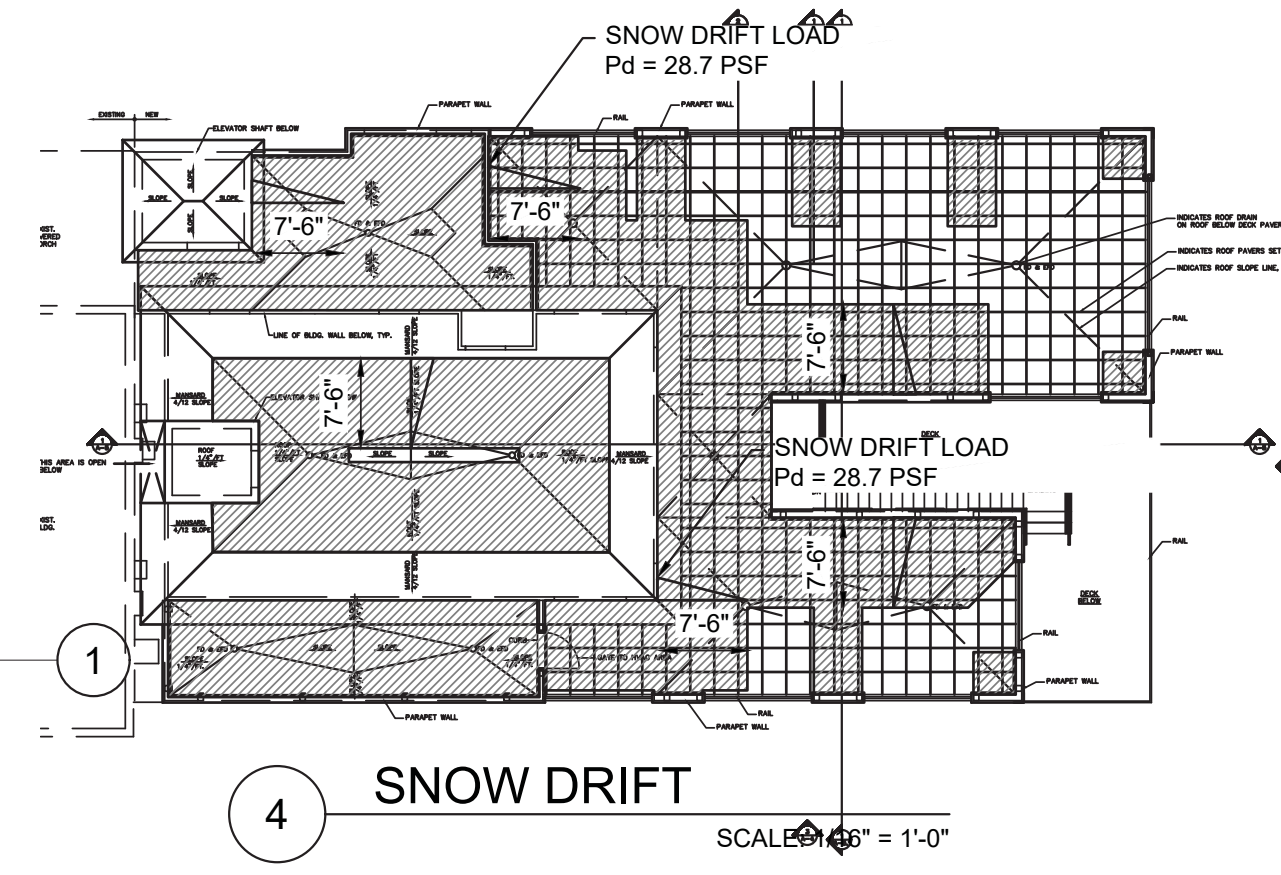
2 SHEET REVISED 4/07/2020

KEYED NOTES & LEGEND		
	12" REINFORCED CMU WALL. SEE SCHEDULE FOR ADDITIONAL REQUIREMENTS.	
	WOOD STUD BEARING WALL WITH SOLID BLOCKING AT 48" O.C. MAX VERTICALLY. SEE WALL SCHEDULE FOR SIZE AND SPACING	
	ROOF DECK ELEVATION OF 23'-7"	
	OPENING TYPE	SEE S5.1
	WALL TYPE	SEE S5.1
	POST TYPE	SEE S5.1
	SHEAR WALL TYPE	SEE S5.2
	SHEAR WALL POST	SEE S5.2
	SHEAR WALL POST FROM ABOVE	SEE S5.2

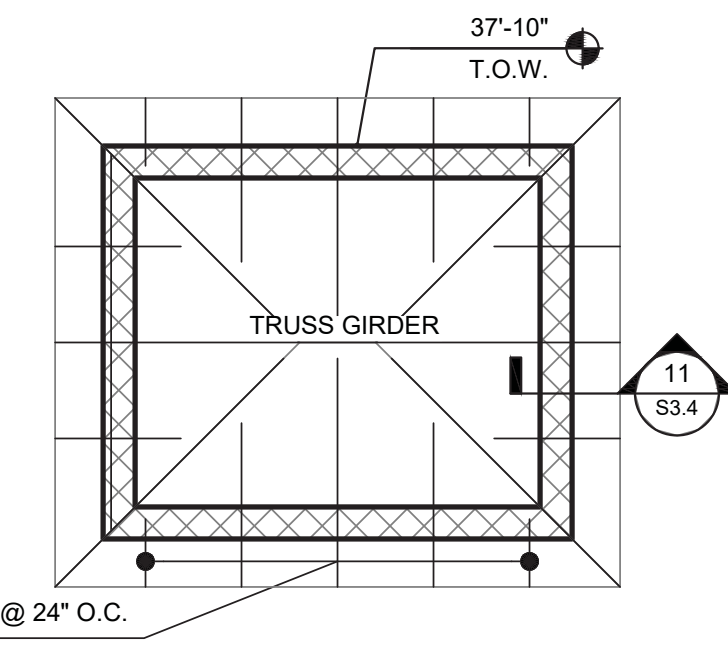
- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S1.0
 - ENTRY/STORAGE/DECK ELEVATION: 0'-0"
 - MAIN FLOOR ELEVATION: 11'-9 3/4"
 - BAR/PLAZA ROOF ELEVATION: 24'-4 1/2"
 - STUD POSTS SHALL INCLUDE SOLID BLOCKING THROUGH FLOOR STRUCTURE DEPTH WHERE APPLICABLE BEARING DOWN TO SOLID FOUNDATION AND SHALL INCLUDE SOLID BLOCKING THROUGH FLOOR AND SHALL INCLUDE A MINIMUM OF 3 STUDS AT ALL BEAM AND GIRDER TRUSS BEARINGS UNLESS OTHERWISE NOTED ON PLAN.
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 - ALL SILL & CAP PLATES TO BE KILN-DRIED (4-6% emc) AT TIME OF INSTALLATION TO AVOID SHRINKAGE BETWEEN FLOORS. LVL PLATES MAY BE SUBSTITUTED AT CONTRACTOR'S OPTION.
 - SEE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS FOR WEATHER PROTECTION OF ALL EXPOSED WOOD MEMBERS.
 - ALL LVL BEAMS SHALL BE MULTI-PLY 1-3/4" WIDE.
 - SP - DENOTES SPECIAL TRUSS LOADING (SEE DETAIL _/S_/_ OR PLAN NOTE)



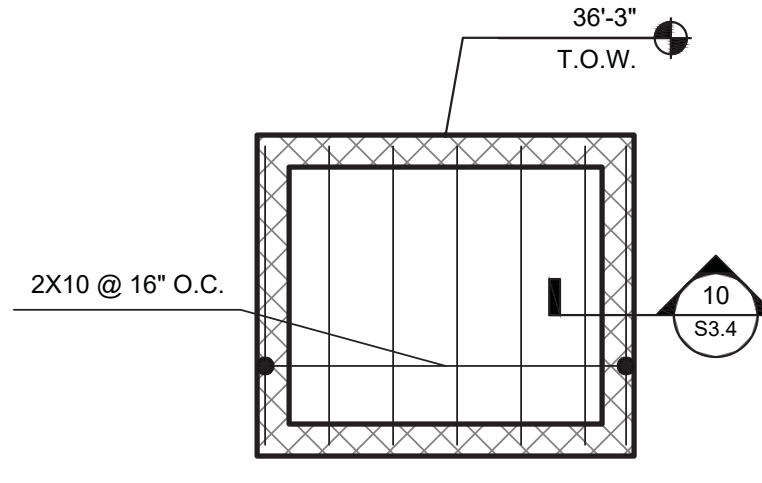
1 FRAMING PLAN-ROOF SCALE: 1/4" = 1'-0"



4 SNOW DRIFT SCALE: 1/4" = 1'-0"



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



2 ELEVATOR 2 ROOF SCALE: 1/4" = 1'-0"

NOTES:

- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S1.0
- ENTRY/STORAGE/DECK ELEVATION: 0'-0"
- MAIN FLOOR ELEVATION: 11'-9 3/4"
- BAR/PLAZA ROOF ELEVATION: 24'-4 1/2"
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- SEE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS FOR WEATHER PROTECTION OF ALL EXPOSED WOOD MEMBERS.
- ALL LVL BEAMS SHALL BE MULTI-PLY 1-3/4" WIDE.

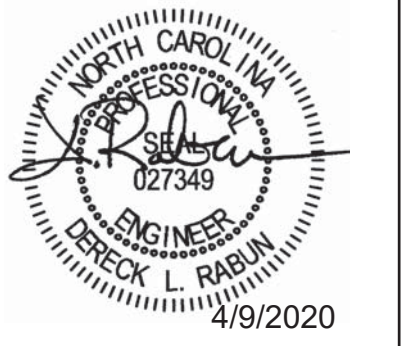
KEYED NOTES & LEGEND

	12" REINFORCED CMU WALL. SEE SCHEDULE FOR ADDITIONAL REQUIREMENTS.
	WOOD STUD BEARING WALL WITH SOLID BLOCKING AT 48" O.C. MAX VERTICALLY. SEE WALL SCHEDULE FOR SIZE AND SPACING
	OPENING TYPE SEE S5.1
	WALL TYPE SEE S5.1
	POST TYPE SEE S5.1
	SHEAR WALL TYPE SEE S5.2
	SHEAR WALL POST SEE S5.2

2 SHEET REVISED 4/07/2020



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ICE HOUSE RESTAURANT
FRONT ST. & MOORE ST.
SWANSBORO, NC 28584

Project Name

FRAMING PLAN
ROOF

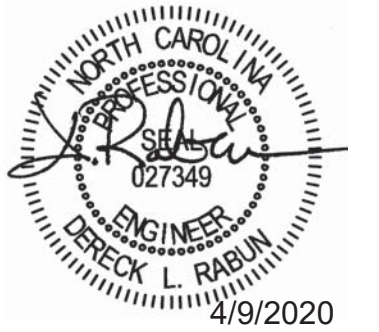
Sheet Title

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DRAWN BY:	CBA	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
2	-	4/07/2020

Sheet

S2.6

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SWANSBORO, NC 28584

Project Name

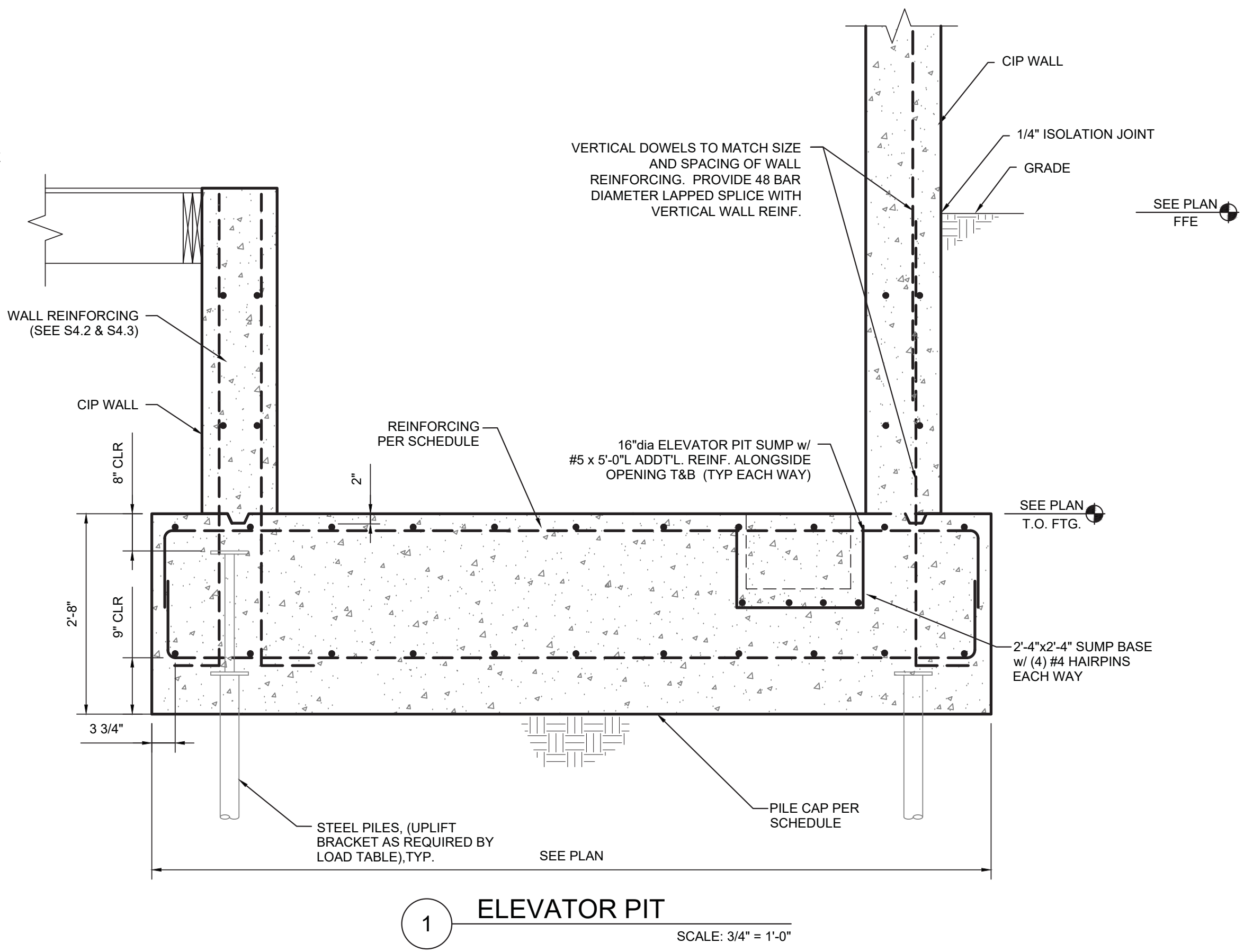
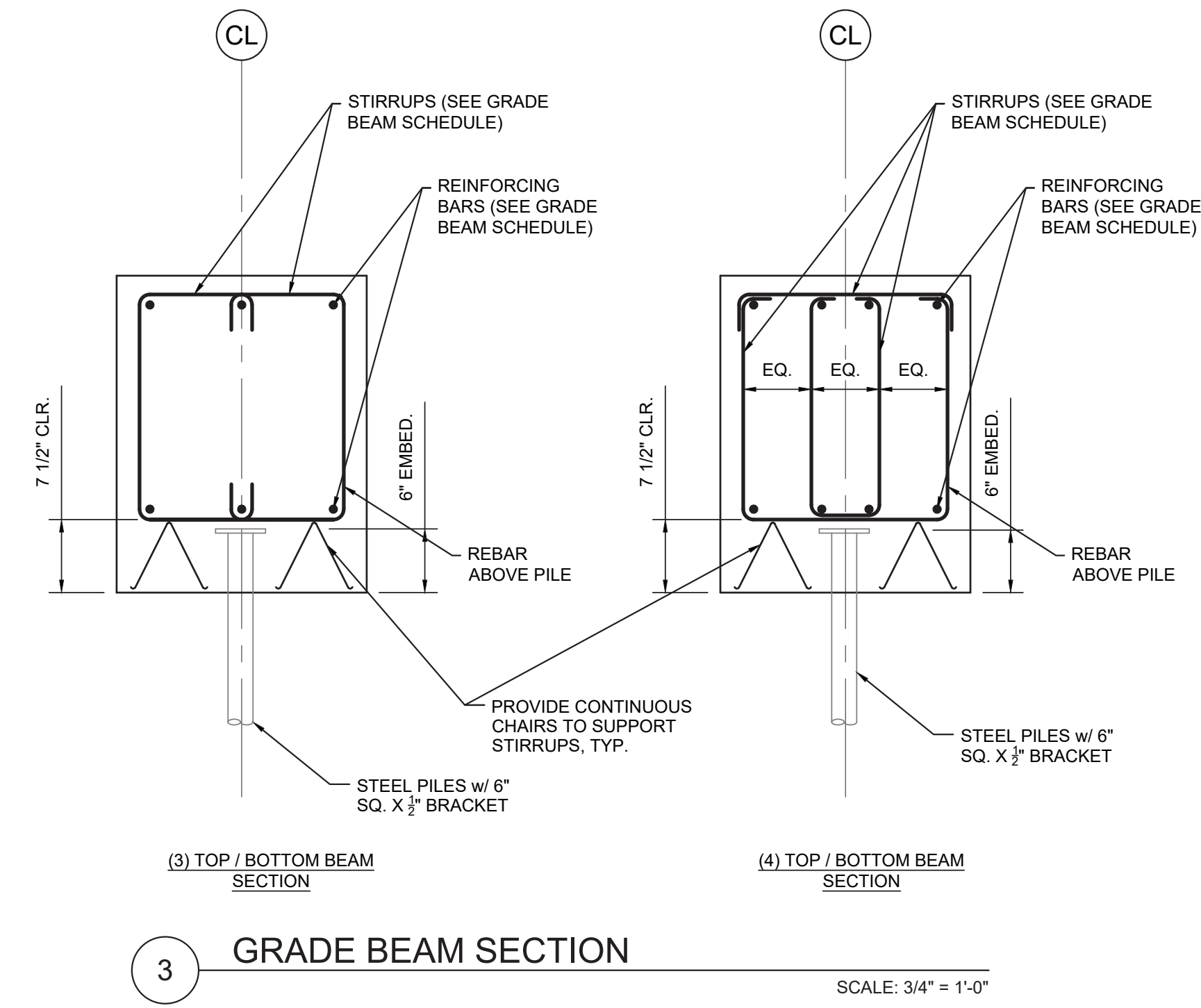
FOUNDATION DETAILS

Sheet Title

DESIGNED BY:	DLR	
DRAWN BY:	CBA	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
2	-	4/07/2020

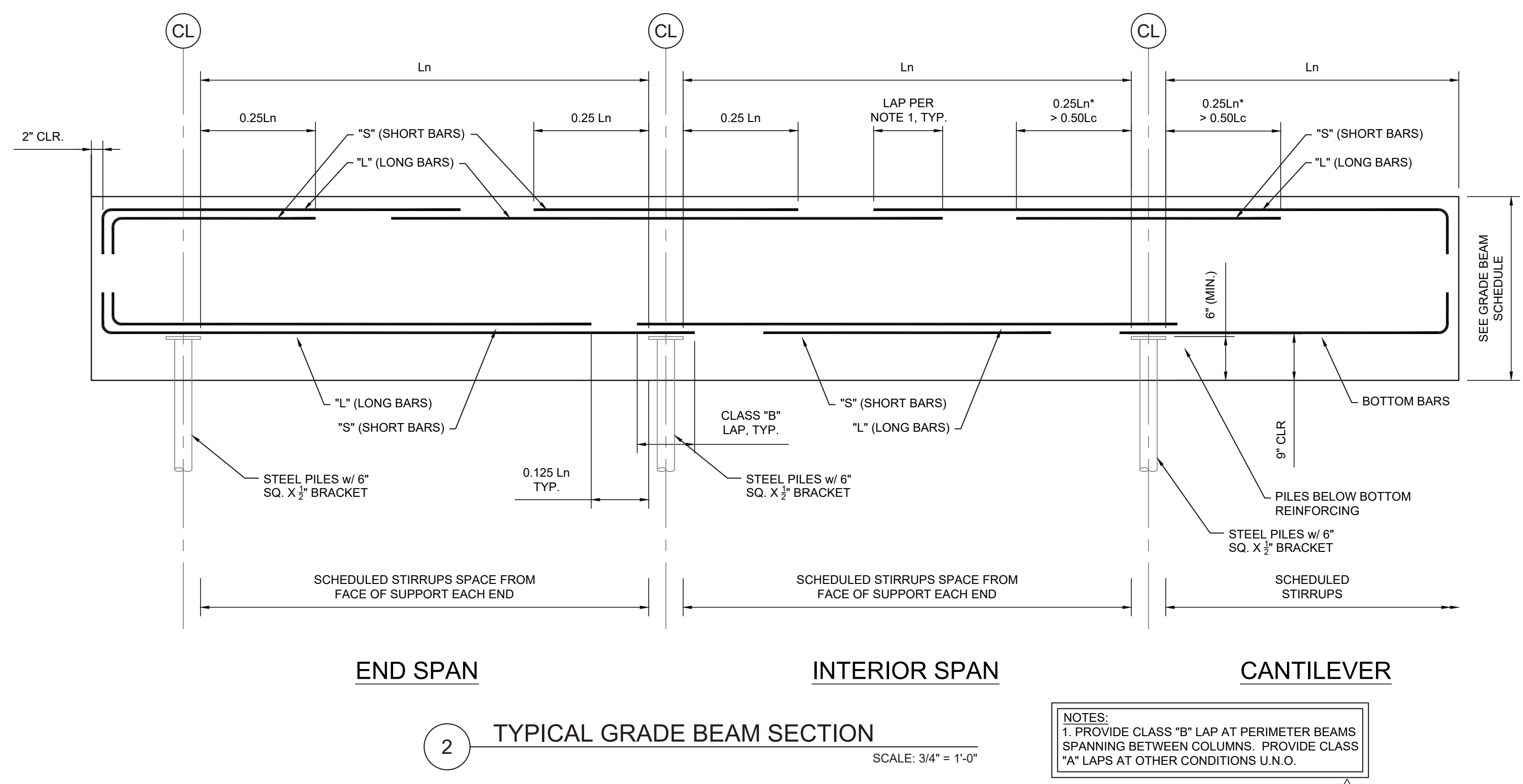
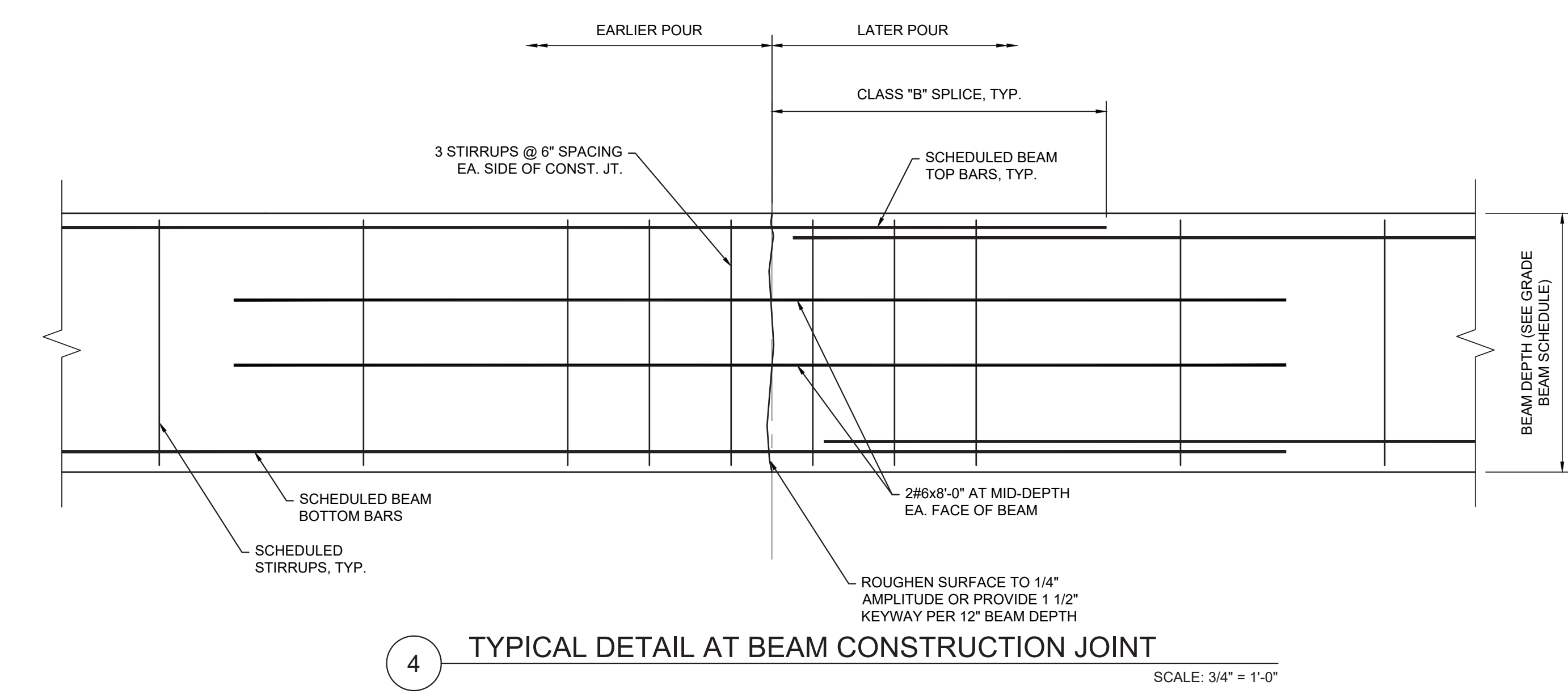
Sheet

S3.1



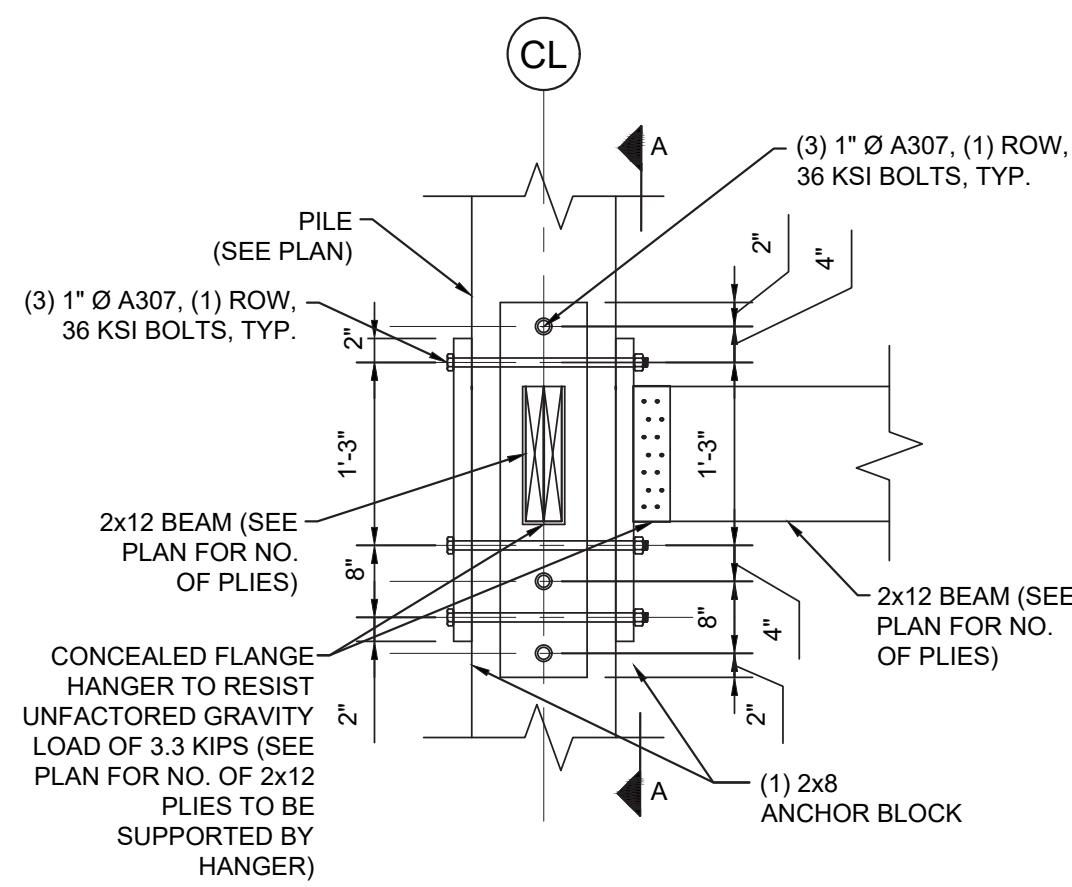
BAR SIZE	TENSION DEVELOPMENT		CLASS "B" SPLICE		STD. 90 DEG. HOOK		COMPRESSION BARS	
	TOP BAR L _{dt}	OTHER BAR L _{do}	TOP BAR L _{bt}	OTHER BAR L _{bo}	EMBED L _{dh}	LEG LENGTH L _h	DEVELOPMENT L _{dc}	SPLICE
#3	22"	17"	22"	22"	6"	6"	9"	12"
#4	29"	22"	37"	29"	8"	8"	11"	15"
#5	36"	28"	47"	36"	10"	10"	14"	19"
#6	43"	33"	56"	43"	12"	12"	17"	23"
#7	63"	48"	81"	63"	14"	14"	20"	27"
#8	43"	33"	56"	43"	16"	16"	22"	30"
#9	53"	41"	69"	53"	18"	19"	25"	34"
#10	66"	51"	85"	66"	20"	22"	25"	38"
#11	79"	61"	102"	79"	22"	24"	31"	43"
#14	108"	83"	--	--	37"	31"	37"	--
#18	174"	134"	--	--	50"	41"	50"	--

NOTES:
 1. STRAIGHT DEVELOPMENT AND CLASS "B" SPLICE LENGTHS SHOWN IN ABOVE TABLE ARE BASED ON UNCOATED BARS ASSUMING CENTER-TO-CENTER BAR SPACING = 12" WITHOUT TIES OR STIRRUPS AND BAR CLEAR COVER = 2". NORMAL WEIGHT CONCRETE WITH NO TRANSVERSE REINFORCING IS ASSUMED.
 2. STANDARD 90 DEGREE HOOK EMBEDMENT LENGTHS ARE BASED ON BAR SIZE COVER = 2.5" AND BAR END COVER = 2" WITHOUT TIES AROUND HOOK.
 3. TABLE DOES NOT REFLECT SPECIAL SEISMIC CONSIDERATIONS FROM ACI 318-11 CHAPTER 21.



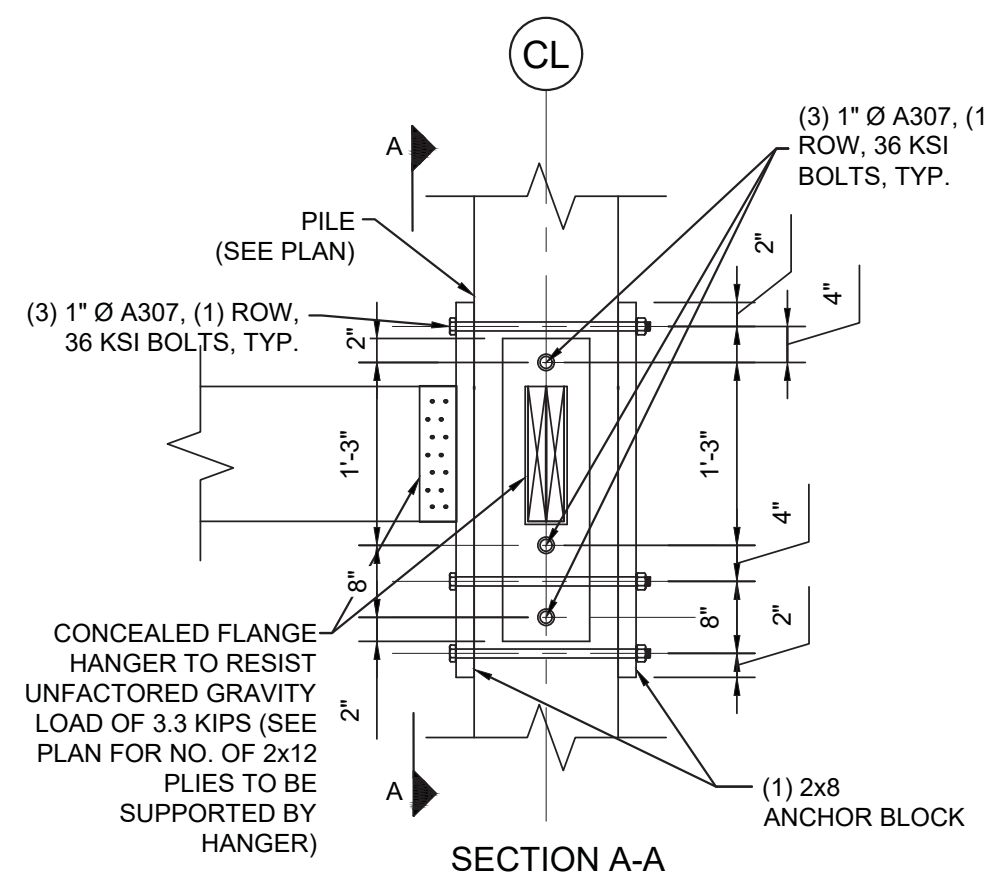
NOTES:
 1. PROVIDE CLASS "B" LAP AT PERIMETER BEAMS SPANNING BETWEEN COLUMNS. PROVIDE CLASS "A" LAPS AT OTHER CONDITIONS U.N.O.

1 SHEET REVISED 1/10/2020
 2 SHEET REVISED 4/07/2020



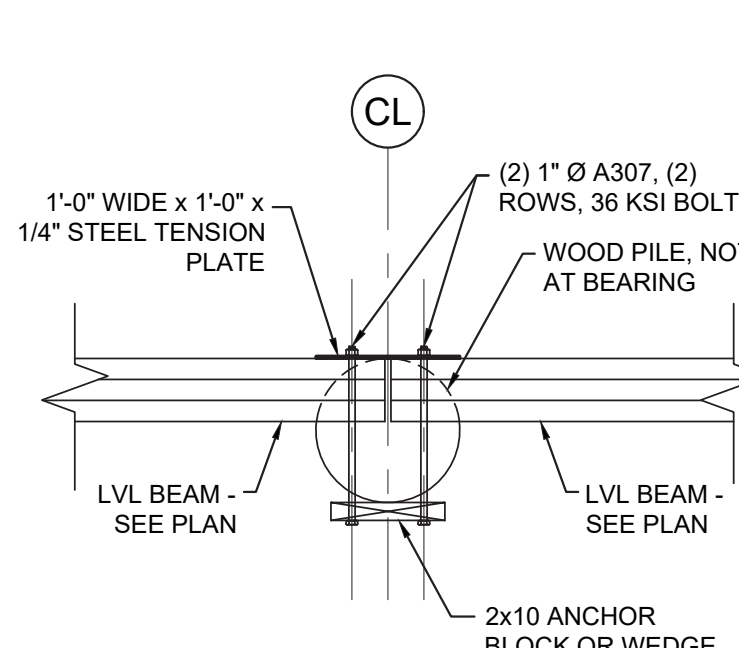
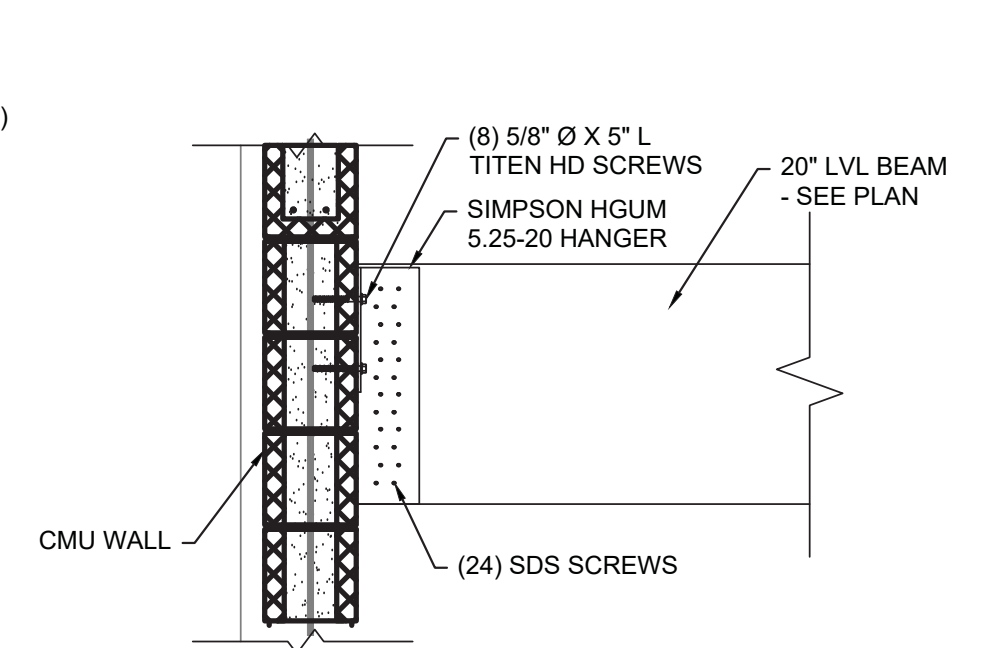
13 DECK BEAM CORNER TO PILE CONNECTION

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



9 LVL BEAM TO CMU WALL CONN.

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

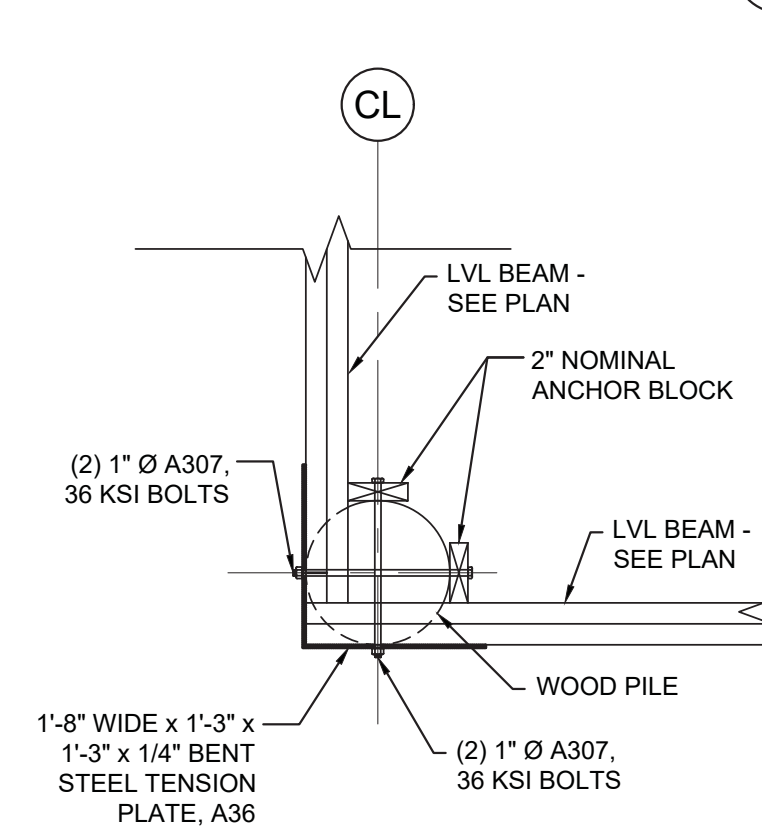
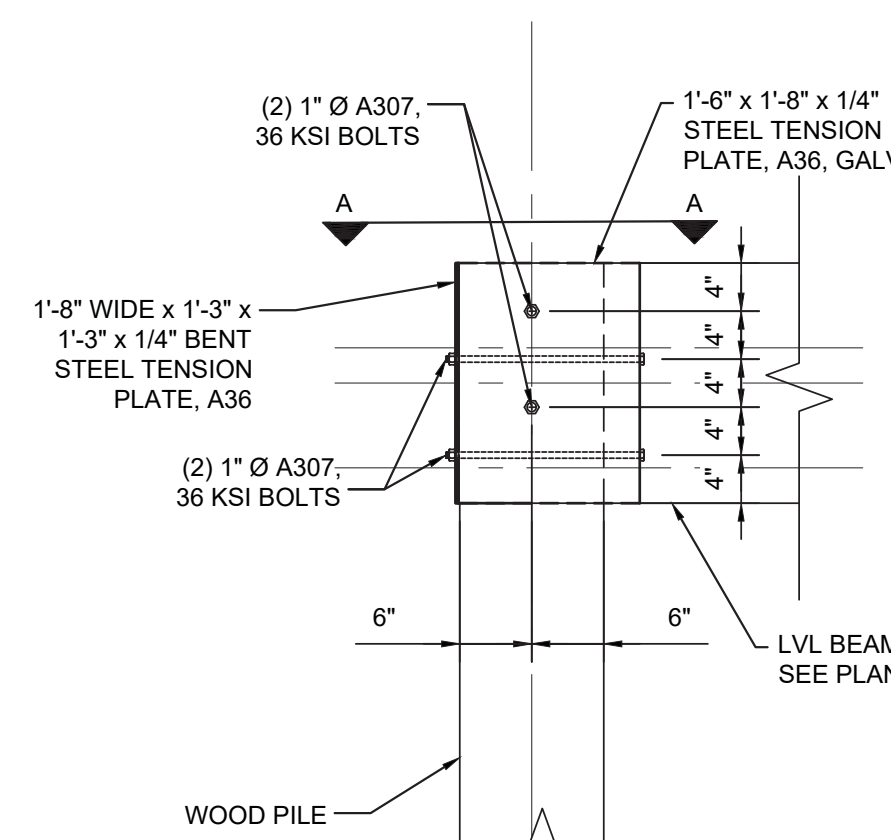


OPTION #1: BEAM SPLICE

OPTION #2: CONTINUOUS BEAM

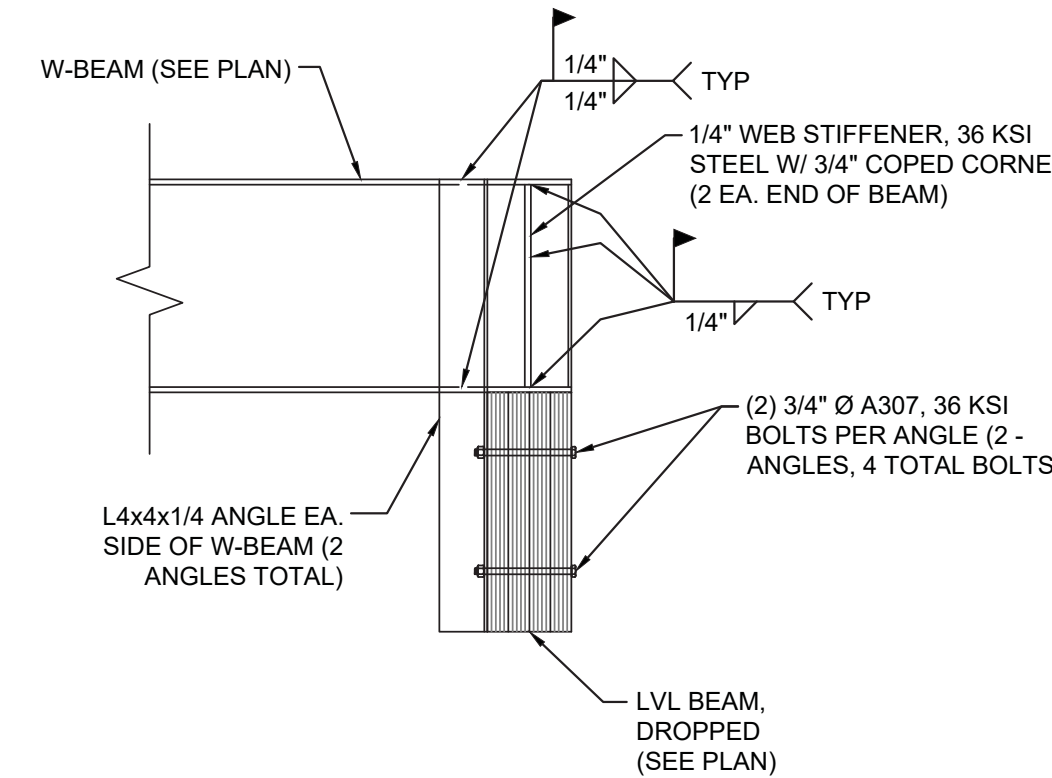
5 DOUBLE LVL BEAM TO PILE CONNECTION

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



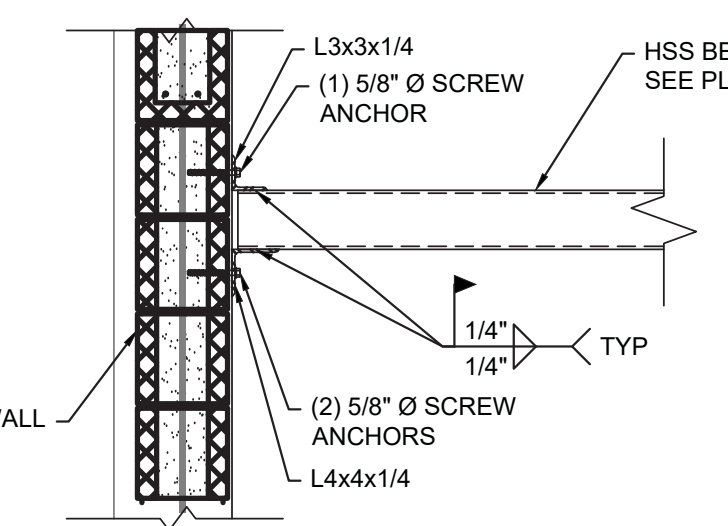
6 LVL TO END PILE CONNECTION

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



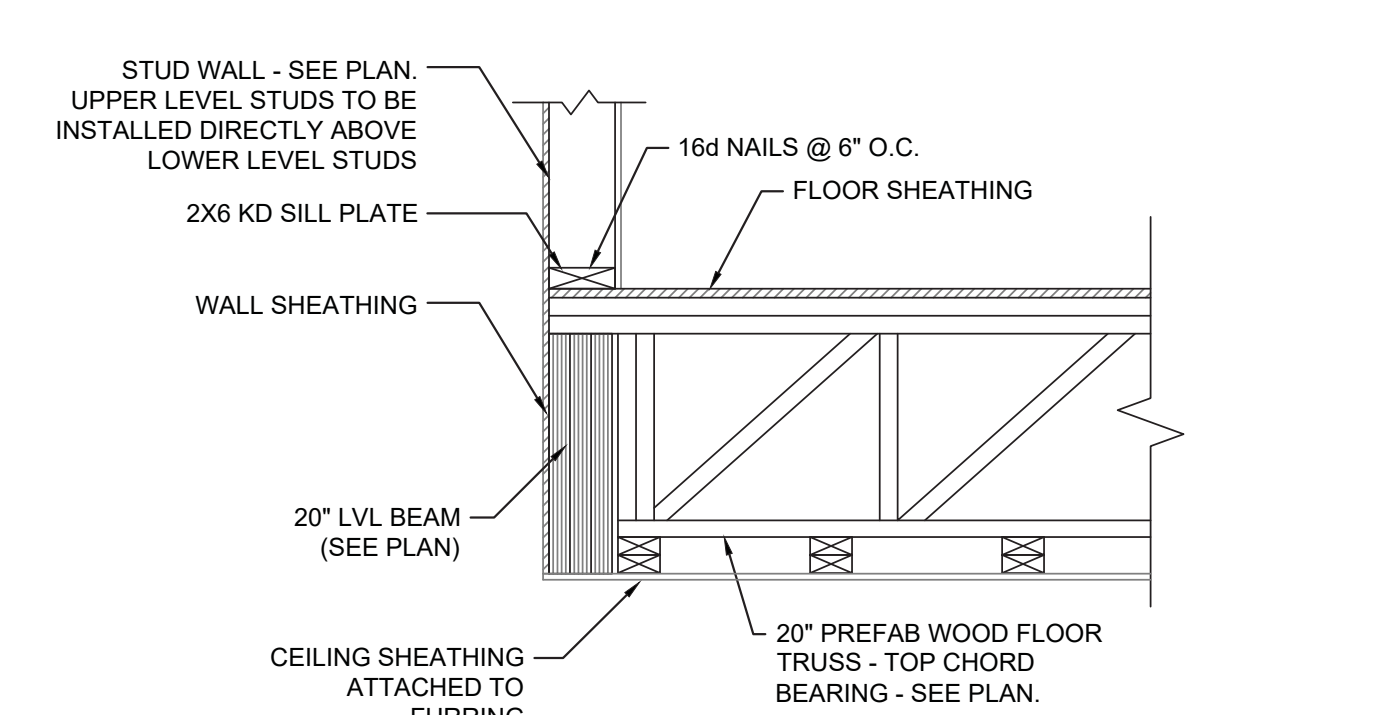
7 W-BEAM TO DROPPED LVL BEAM CONNECTION

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



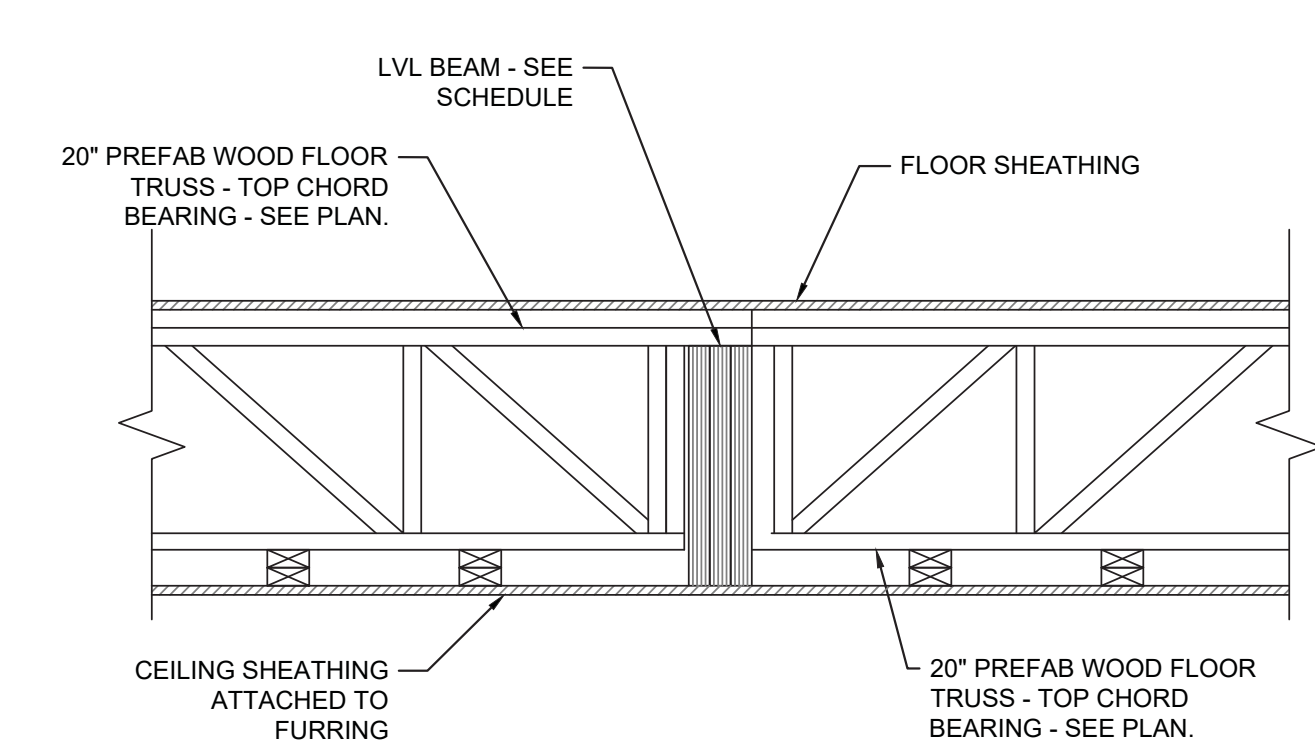
8 HSS BEAM TO CMU WALL CONNECTION

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



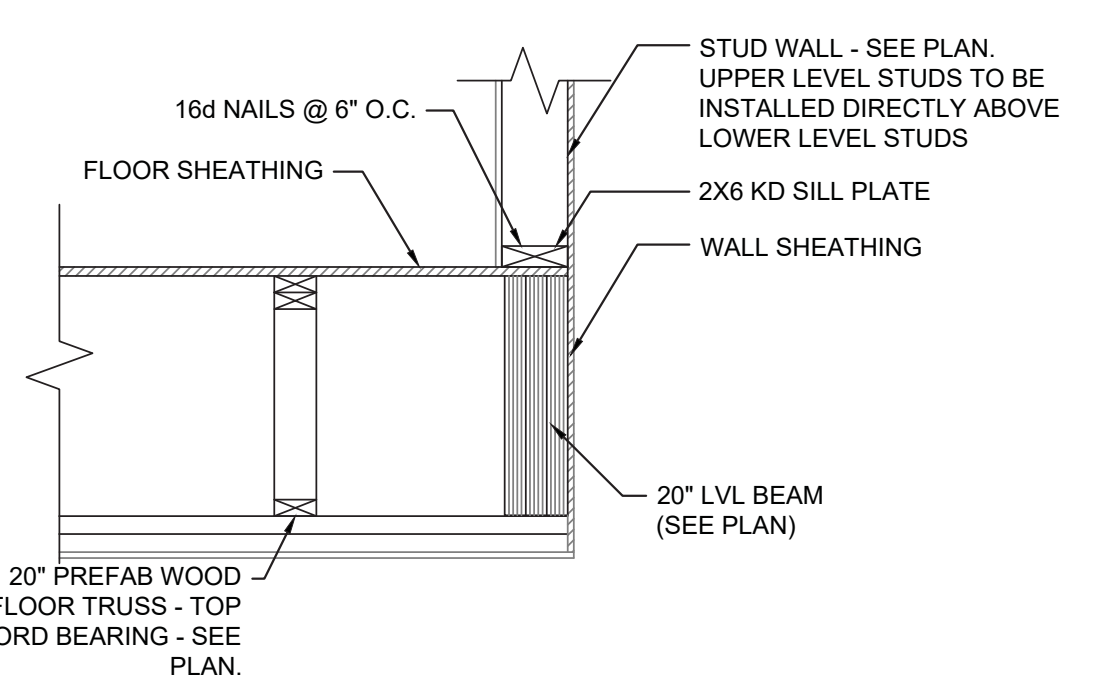
1 TYP. PERPENDICULAR TRUSS TO EXTERIOR LVL BEAM

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



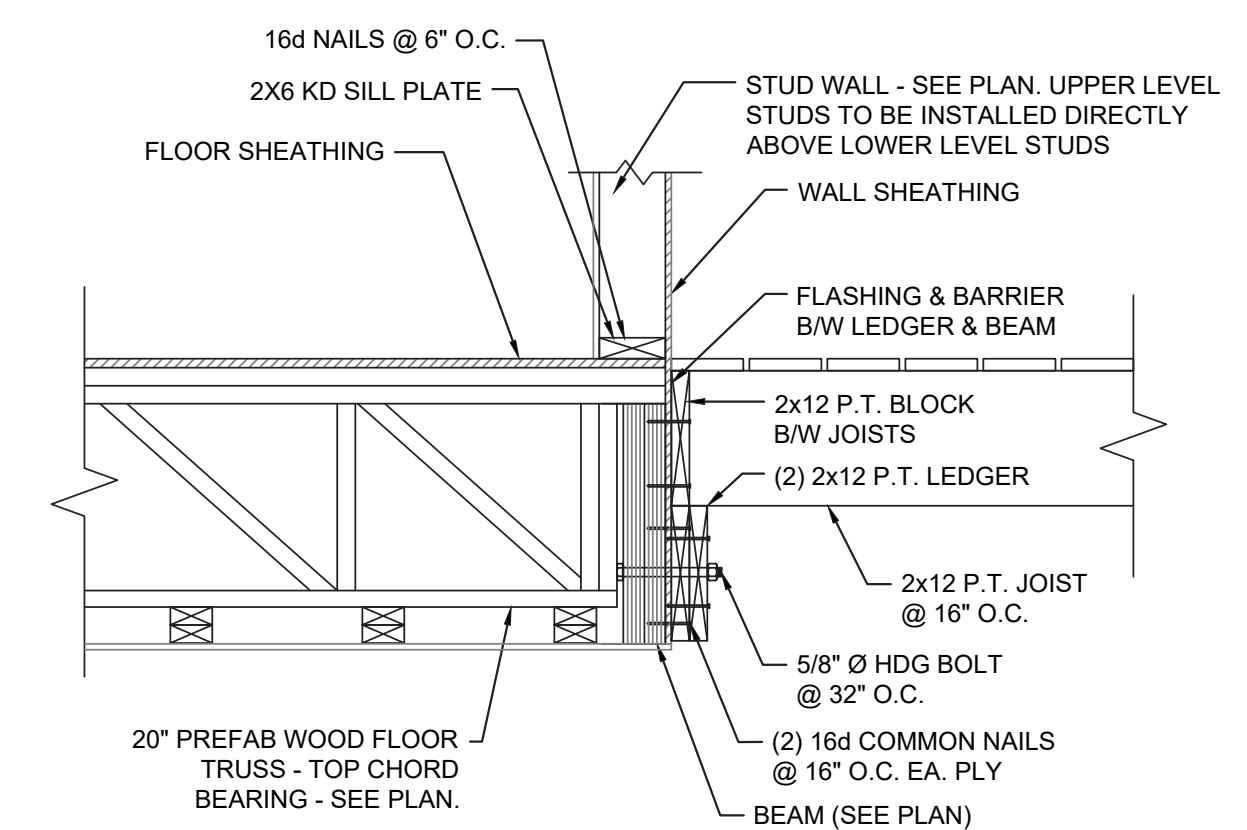
2 TYP. TRUSS BEARING AT LVL BEAM

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



3 TYP. PARALLEL TRUSS TO EXTERIOR LVL BEAM

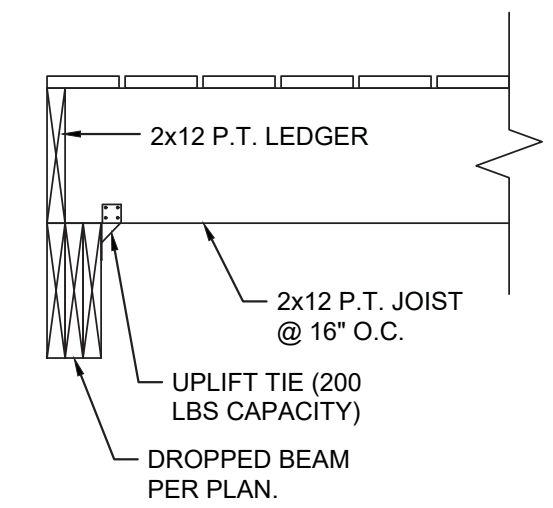
SCALE: 3/4" = 1'-0"



4 TYP. TRUSS AND JOIST BEARING TO LVL BEAM

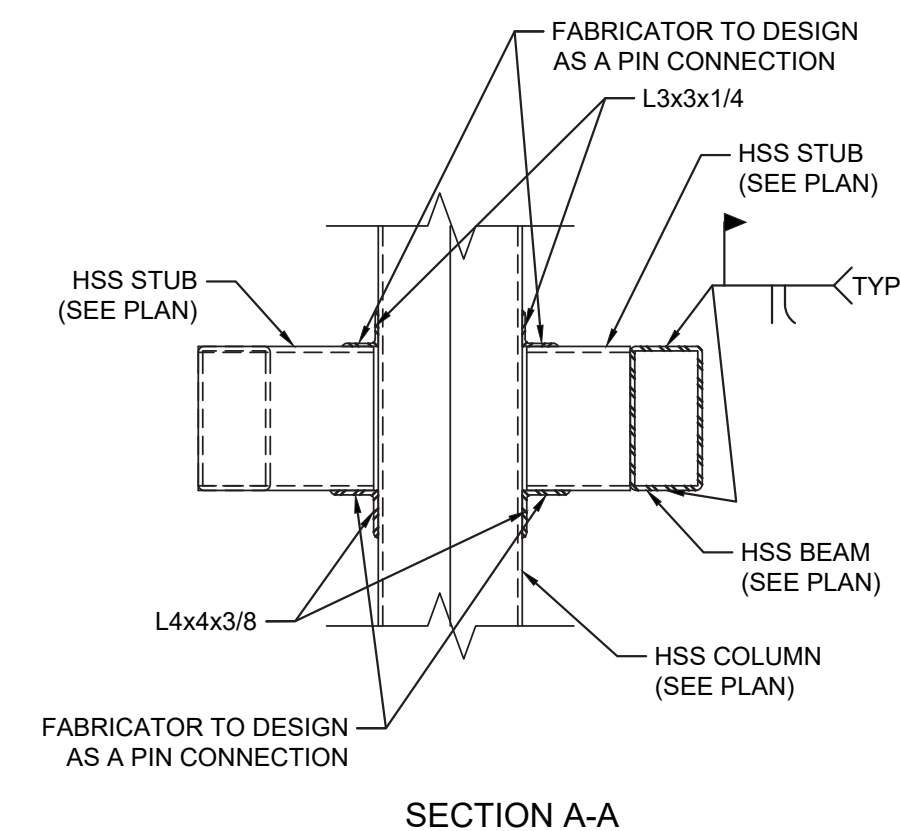
SCALE: 3/4" = 1'-0"

NOTE: METAL CONNECTORS AND FASTENERS SHALL BE TYPE 316 STAINLESS STEEL.



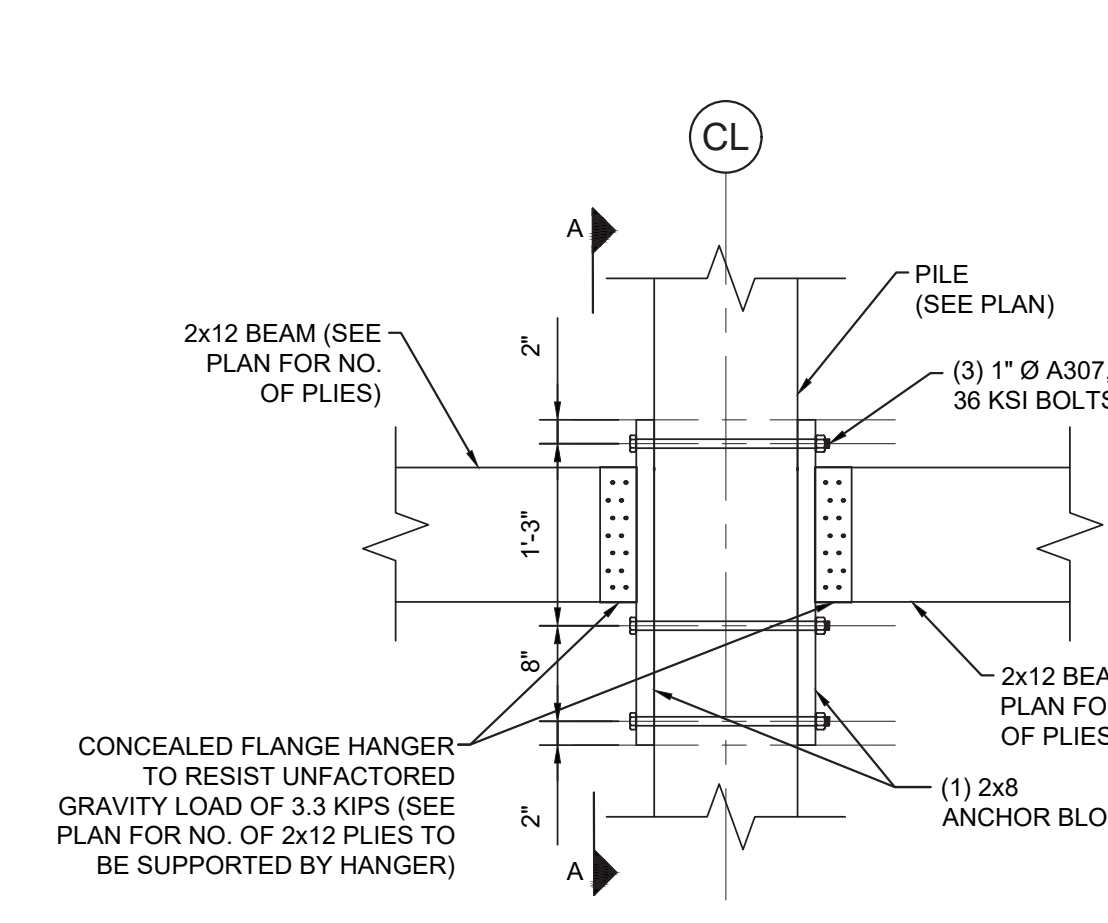
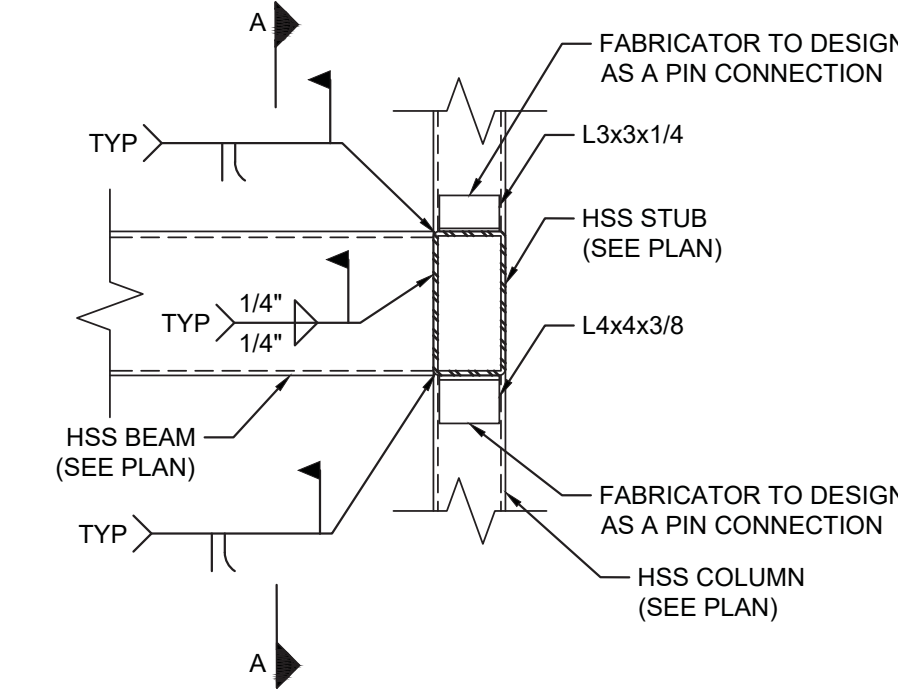
14 TYP. DECK JOIST TO BEAM

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



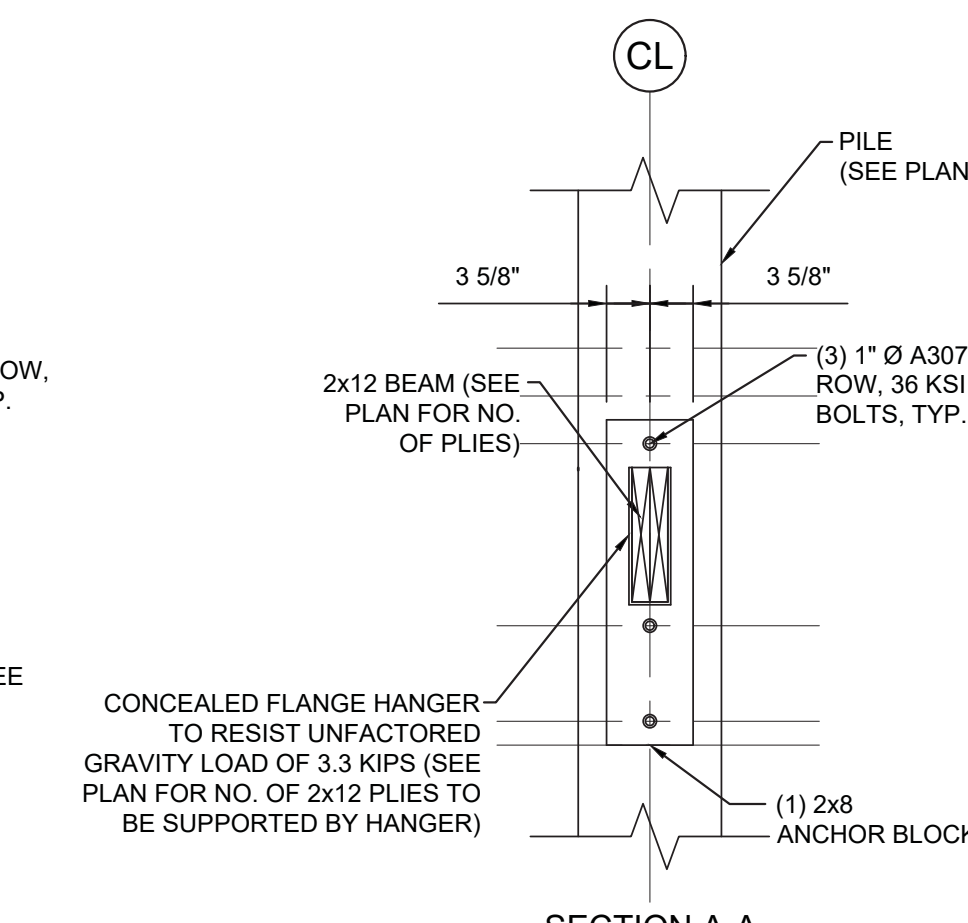
11 HSS COLUMN TO HSS BEAM CONN.

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



12 DECK BEAM TO PILE CONNECTION

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



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ICE HOUSE RESTAURANT
FRONT ST. & MOORE ST.
SWANSBORO, NC 28584

Project Name

DECK / MAIN LEVEL DETAILS

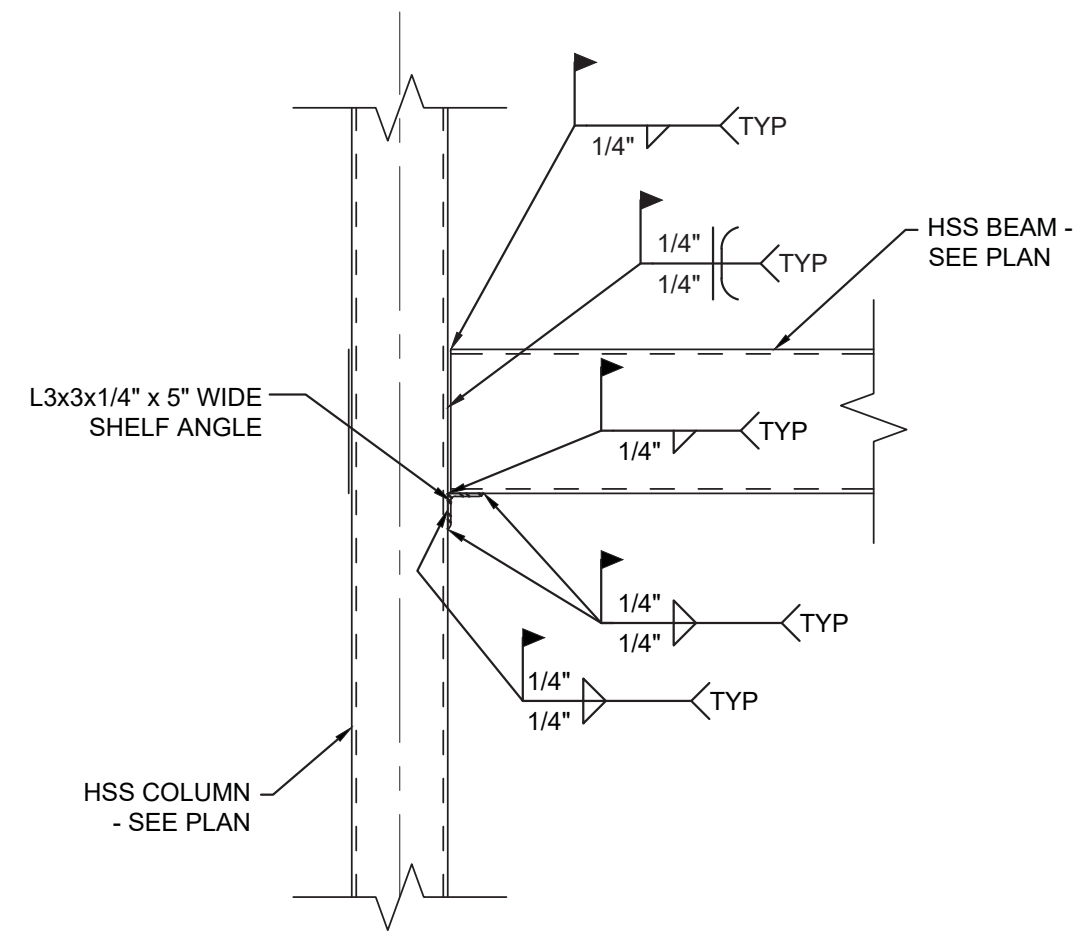
Sheet Title

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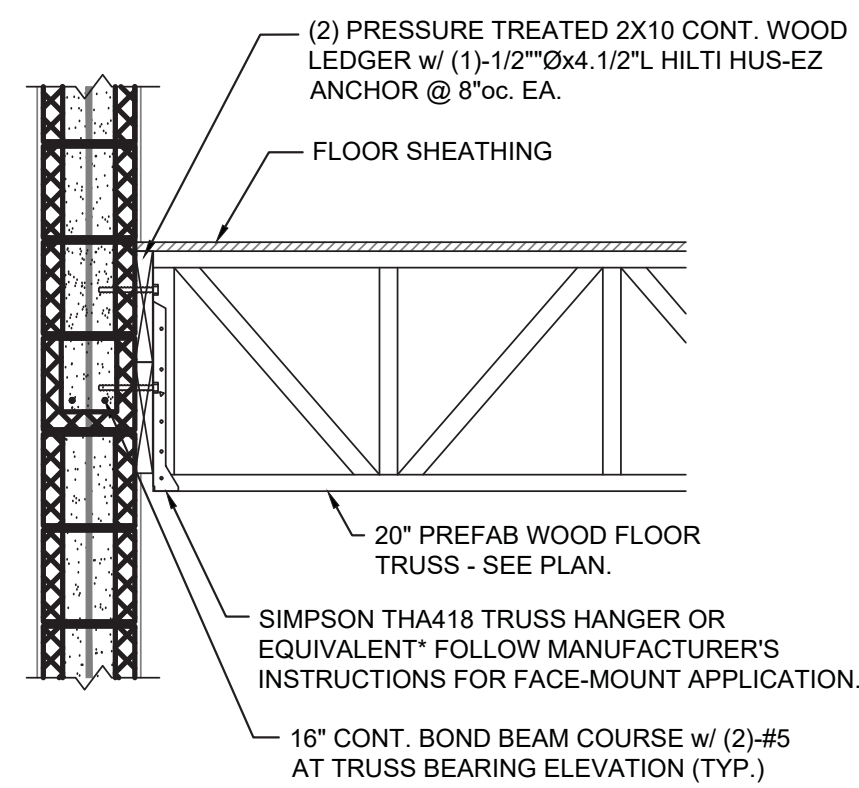
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S3.2

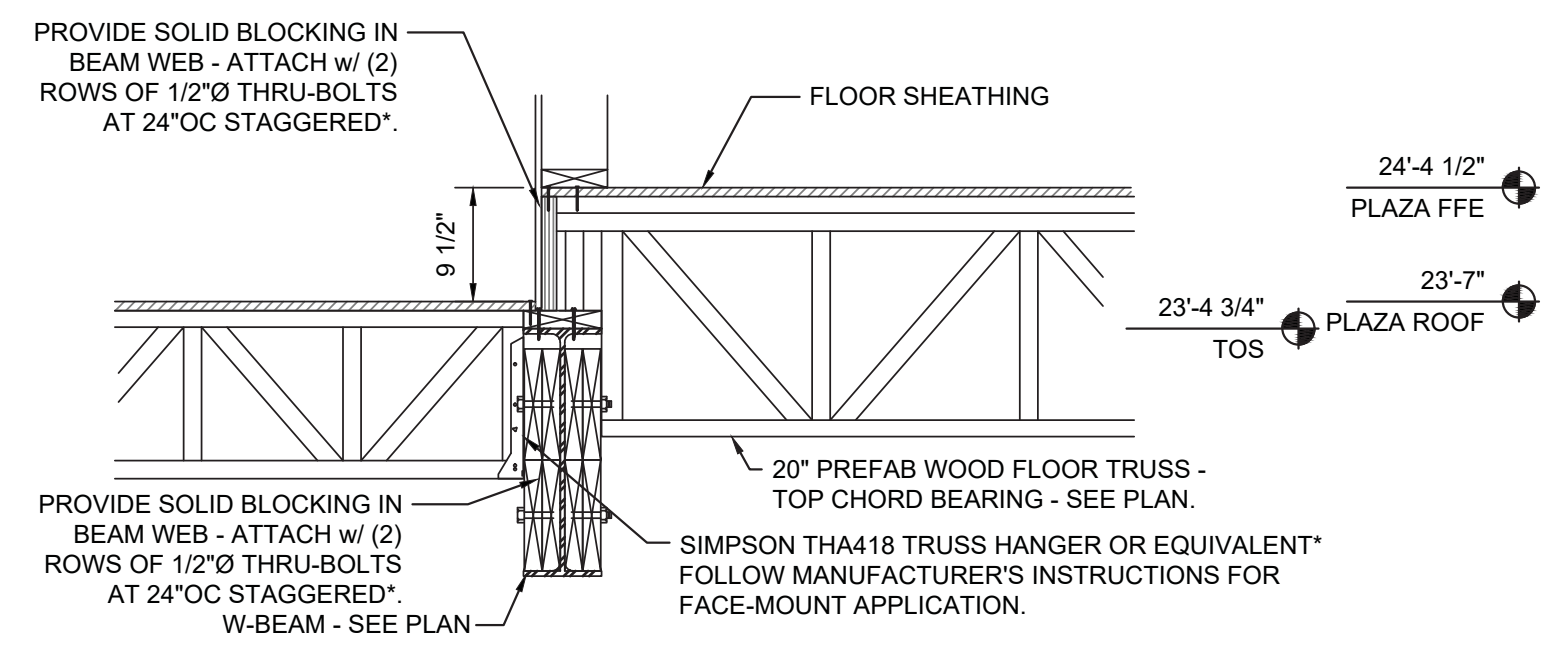
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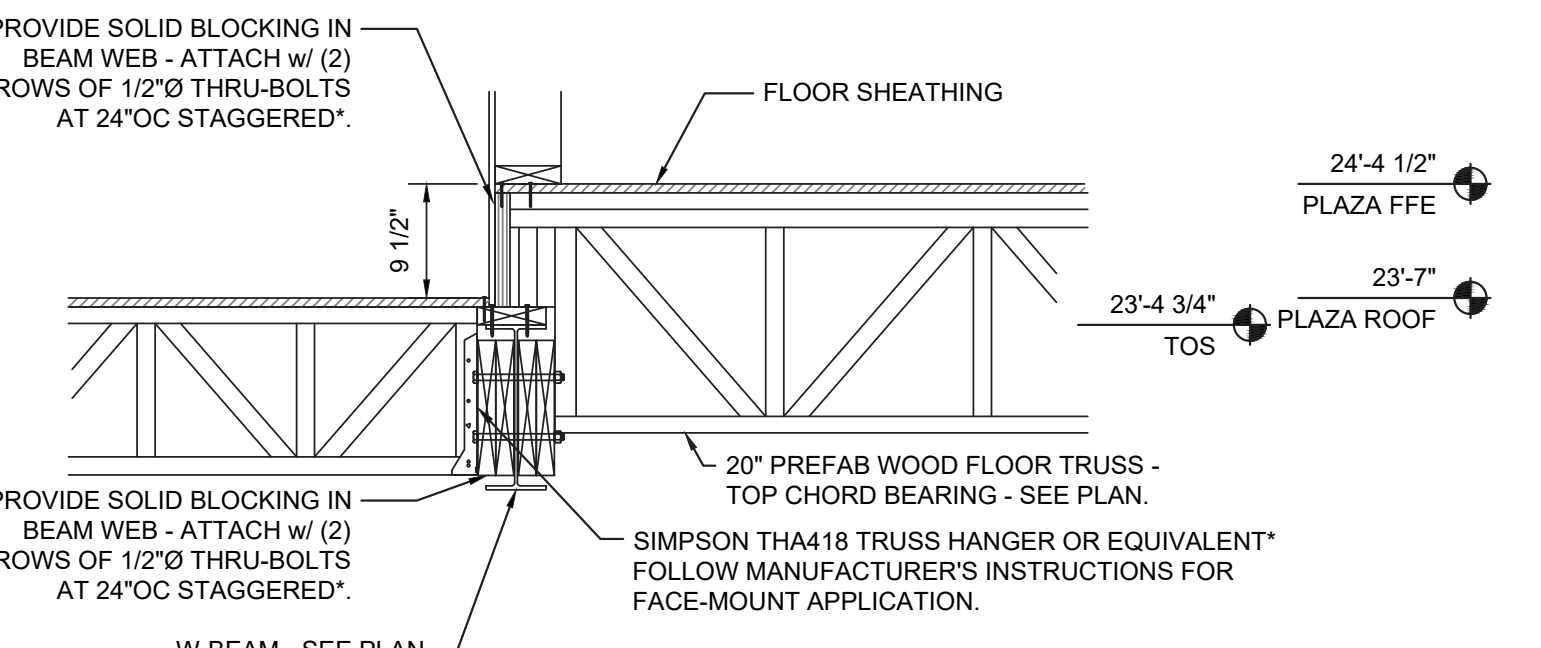
12 HSS BEAM TO HSS COLUMN CONNECTION
SCALE: 3/4" = 1'-0"



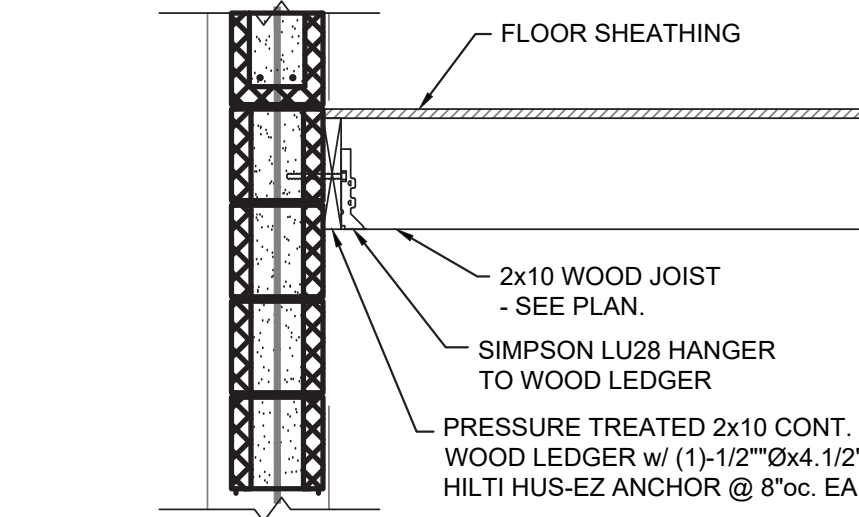
8 TYPICAL TRUSS BEARING CMU SHEARWALL
SCALE: 3/4" = 1'-0"



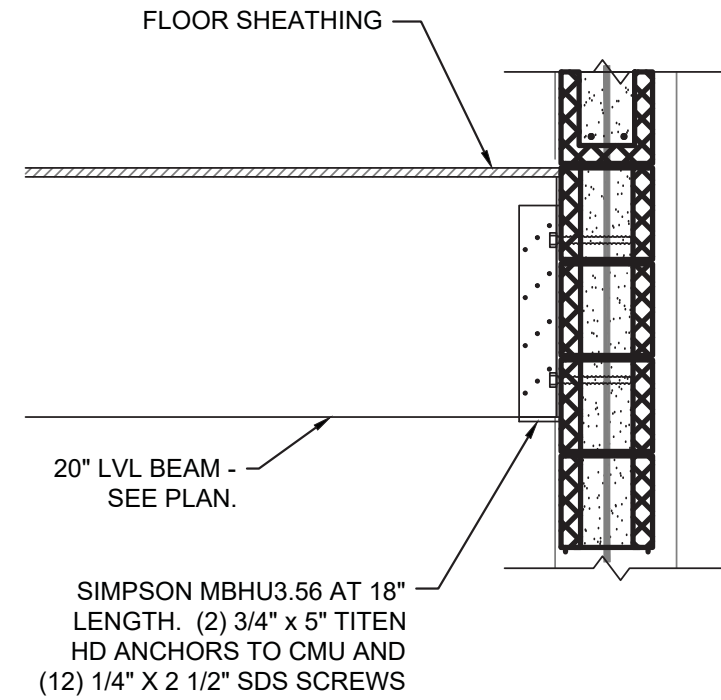
5A TRUSS BEARING AT BEAM
SCALE: 3/4" = 1'-0"



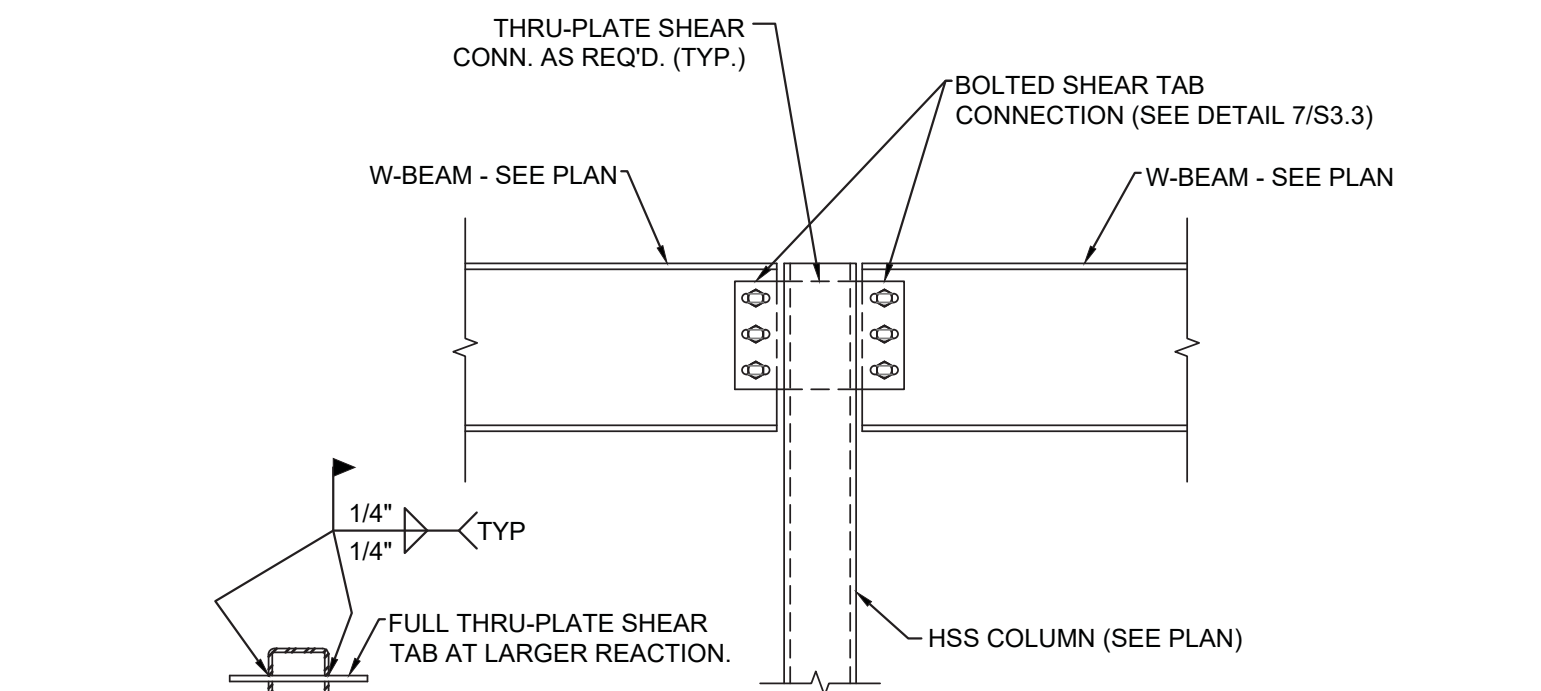
5B TRUSS BEARING AT BEAM
SCALE: 3/4" = 1'-0"



9 TYPICAL JOIST BEARING CMU SHEARWALL
SCALE: 3/4" = 1'-0"

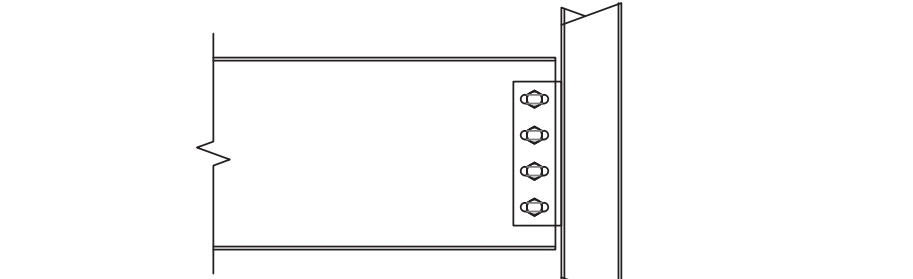


10 TYPICAL JOIST BEARING CMU SHEARWALL
SCALE: 3/4" = 1'-0"

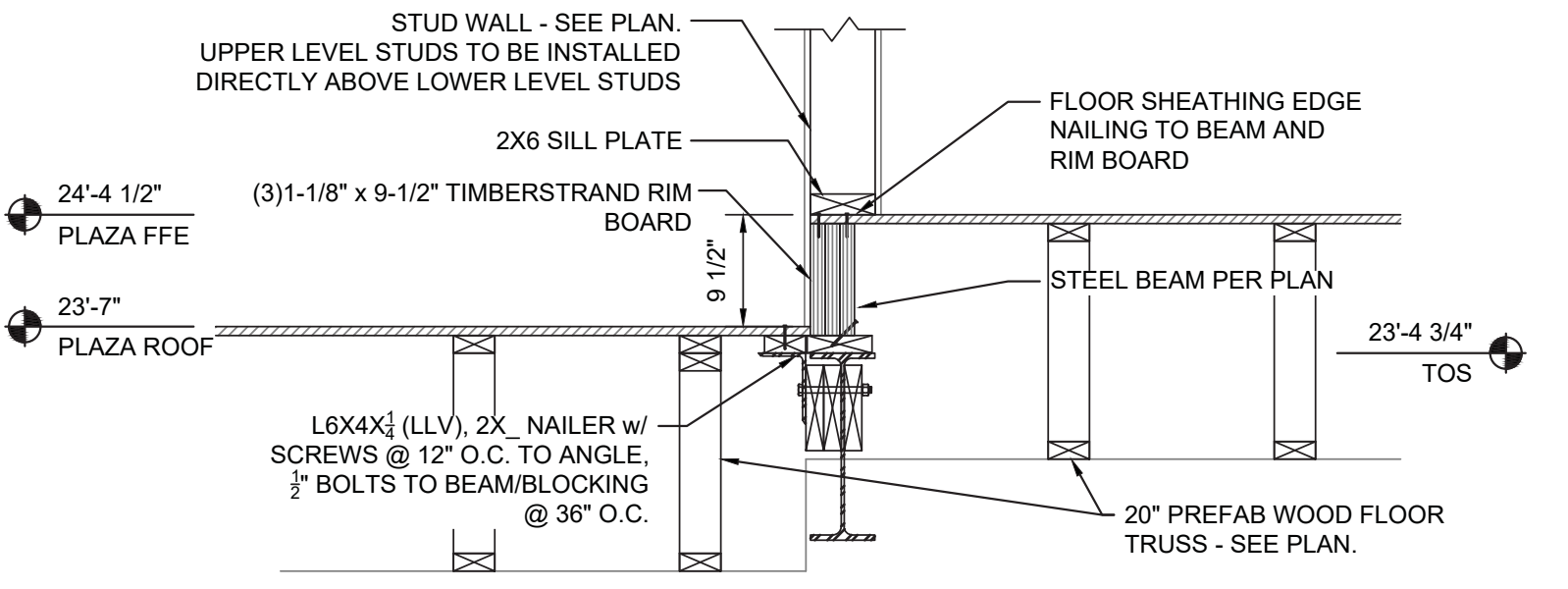


6 TYP. W-BEAM TO HSS MOMENT CONNECTION
SCALE: 3/4" = 1'-0"

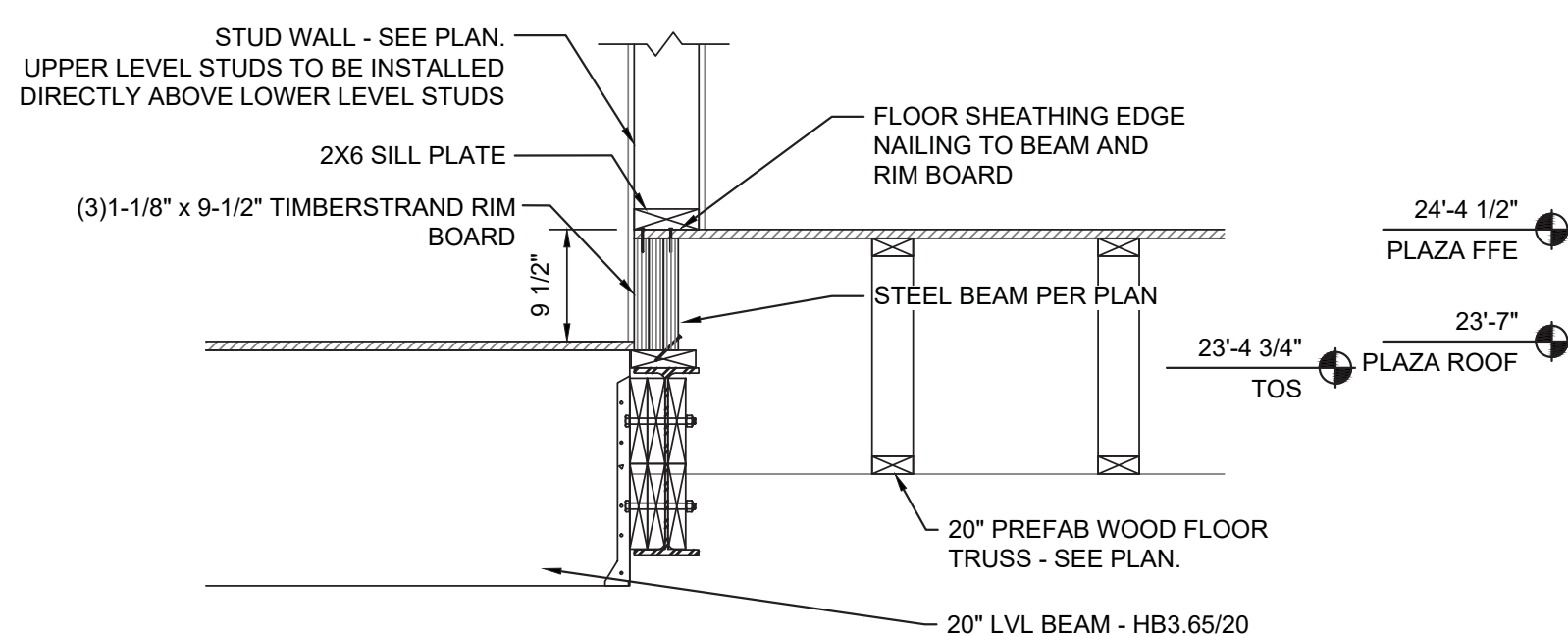
SHEAR TAB SCHEDULE				
BEAM	HEIGHT	THICKNESS	3/4"dia. A325N BOLTS	WELD SIZE TO COL.
W8	5-1/2"	3/8"	2	5/16" FILLET
W10 & W12	8-1/2"	3/8"	3	5/16" FILLET
W14 & W16	11-1/2"	3/8"	4	5/16" FILLET
W18	14-1/2"	3/8"	5	5/16" FILLET
W21	17-1/2"	3/8"	6	5/16" FILLET
W24	20-1/2"	3/8"	7	5/16" FILLET
W27	23-1/2"	3/8"	8	5/16" FILLET
W30	26-1/2"	3/8"	9	5/16" FILLET
W33 & W36	29-1/2"	3/8"	10	5/16" FILLET



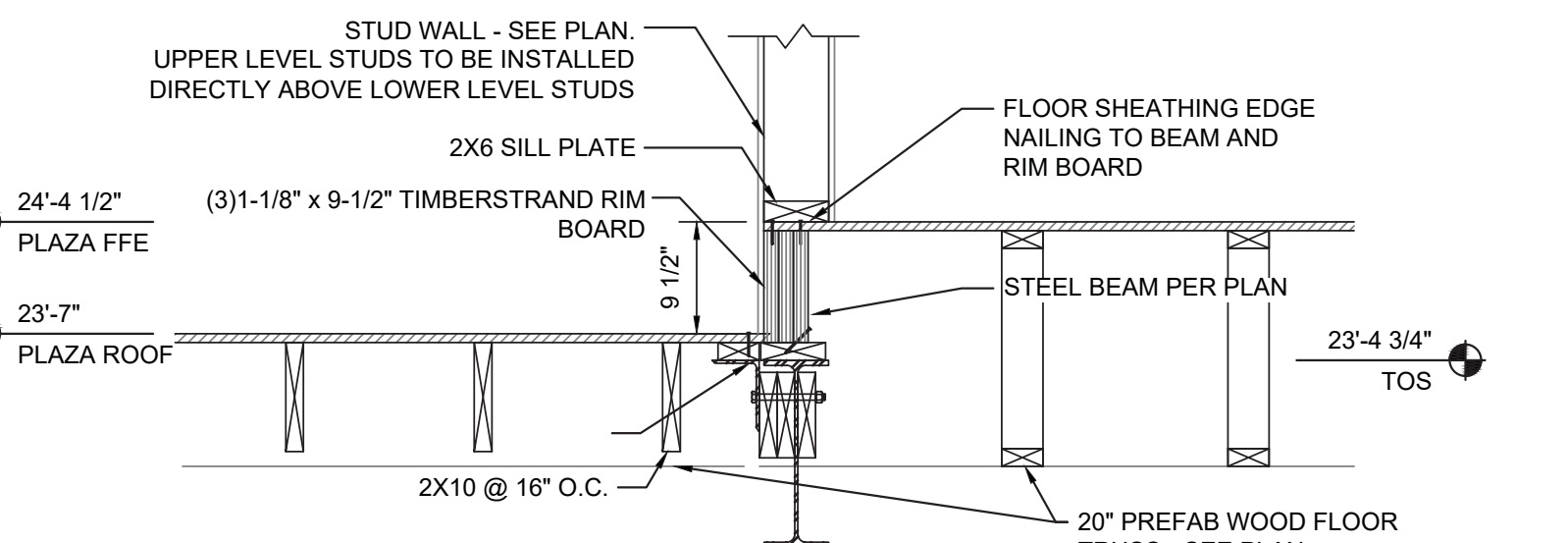
7 SHEAR TAB SCHEDULE
SCALE: 3/4" = 1'-0"



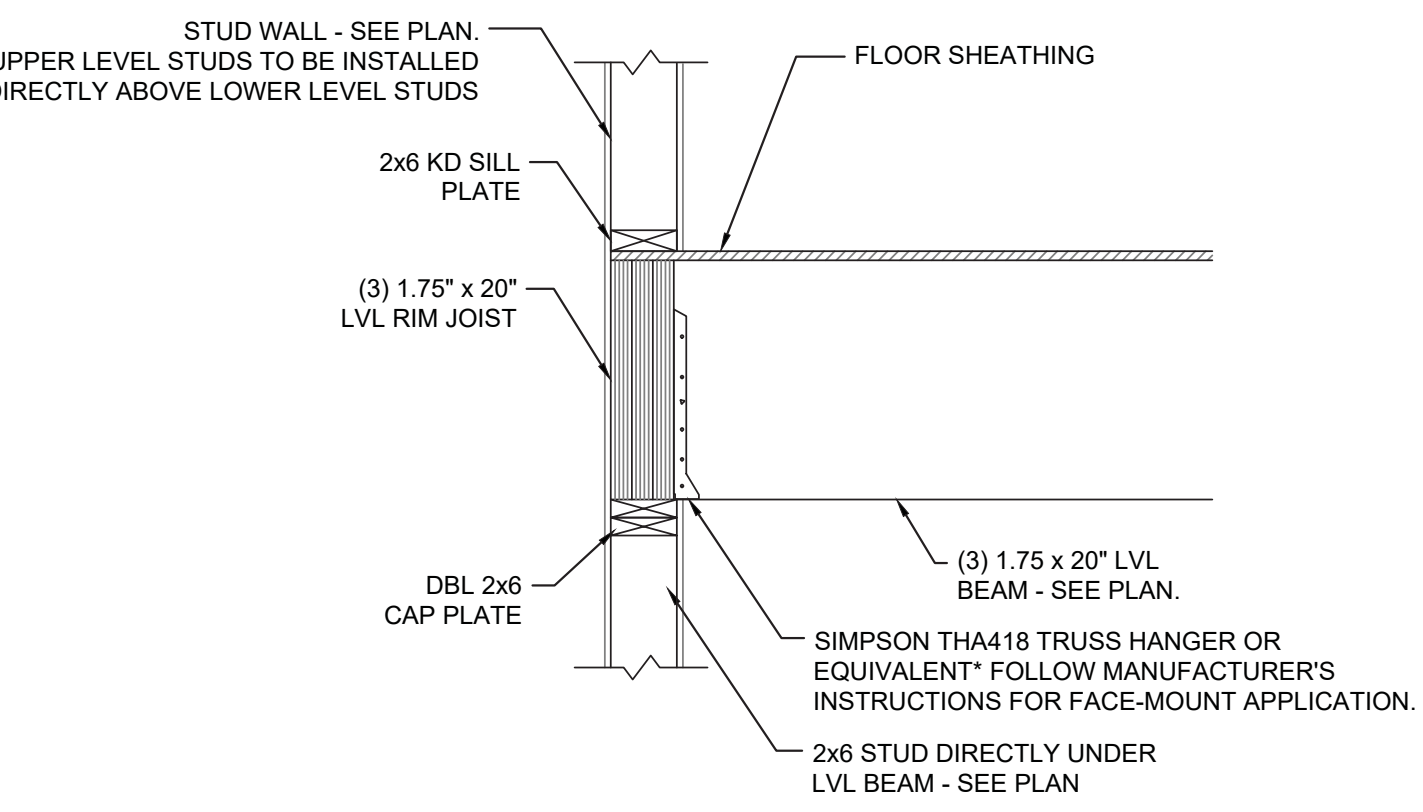
14 PARALLEL TRUSS FRAMING AT EXTERIOR WALL
SCALE: 3/4" = 1'-0"



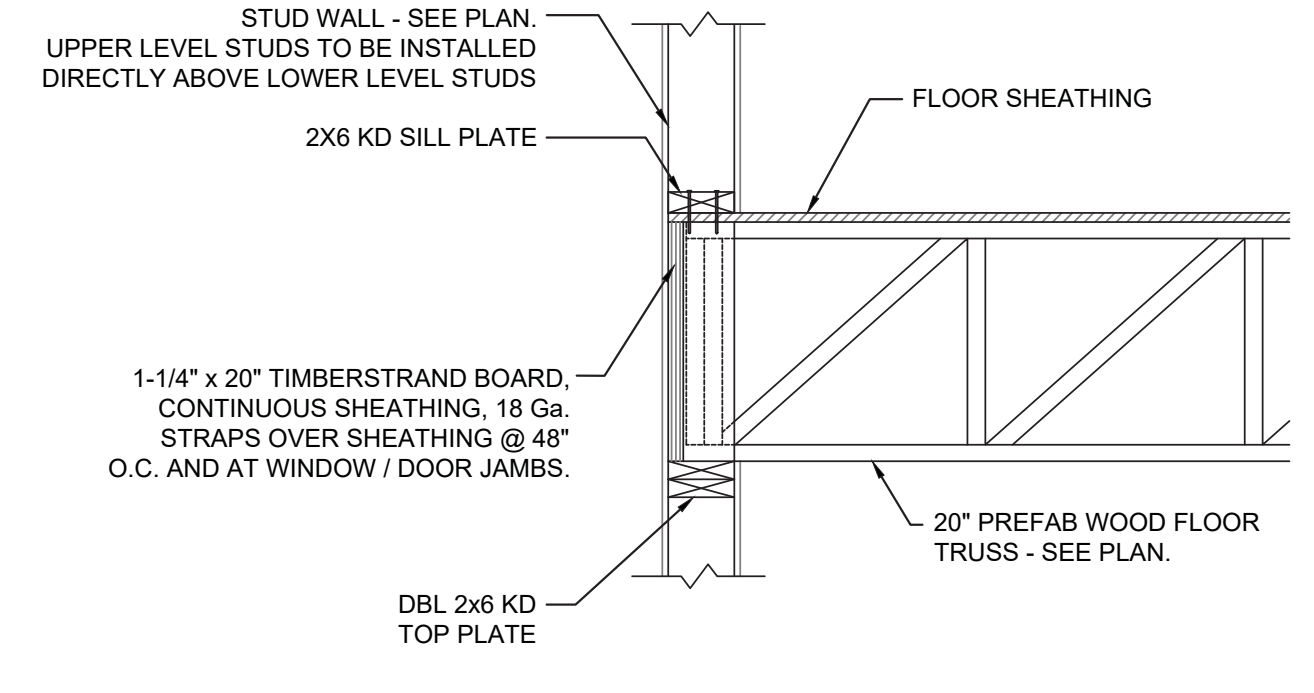
15 LVL BEAM TO W BEAM CONNECTION
SCALE: 3/4" = 1'-0"



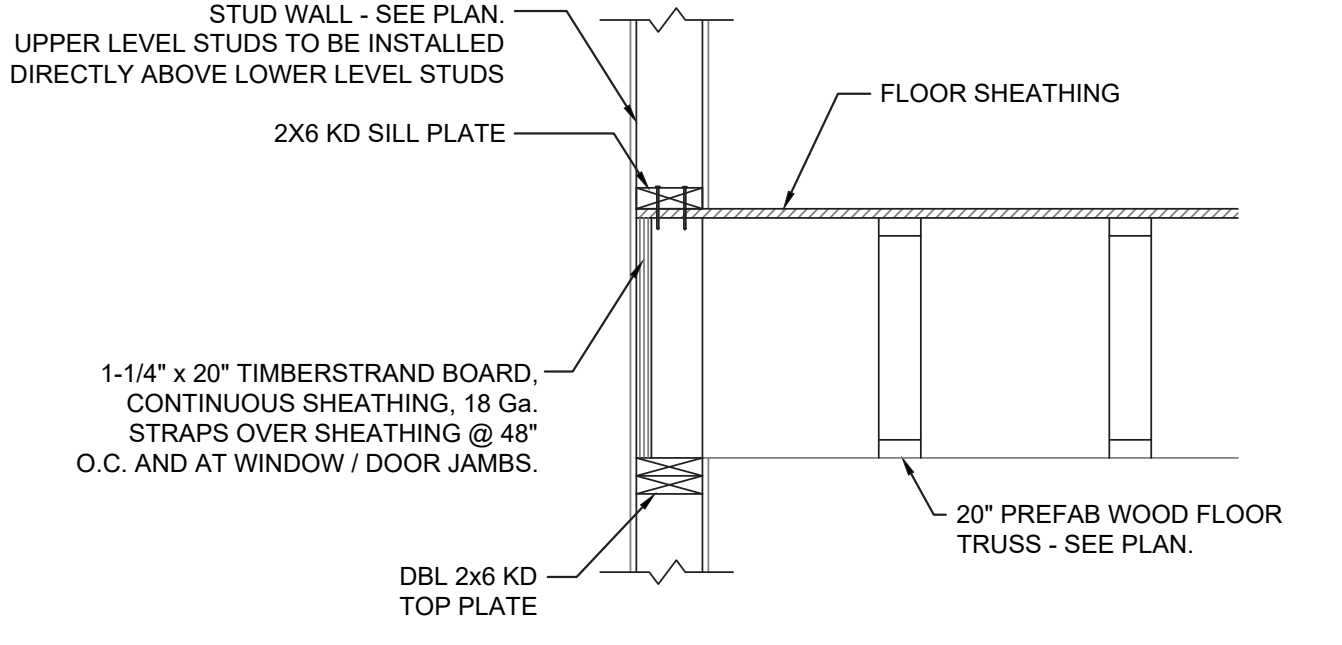
16 PARALLEL TRUSS FRAMING AT EXTERIOR WALL
SCALE: 3/4" = 1'-0"



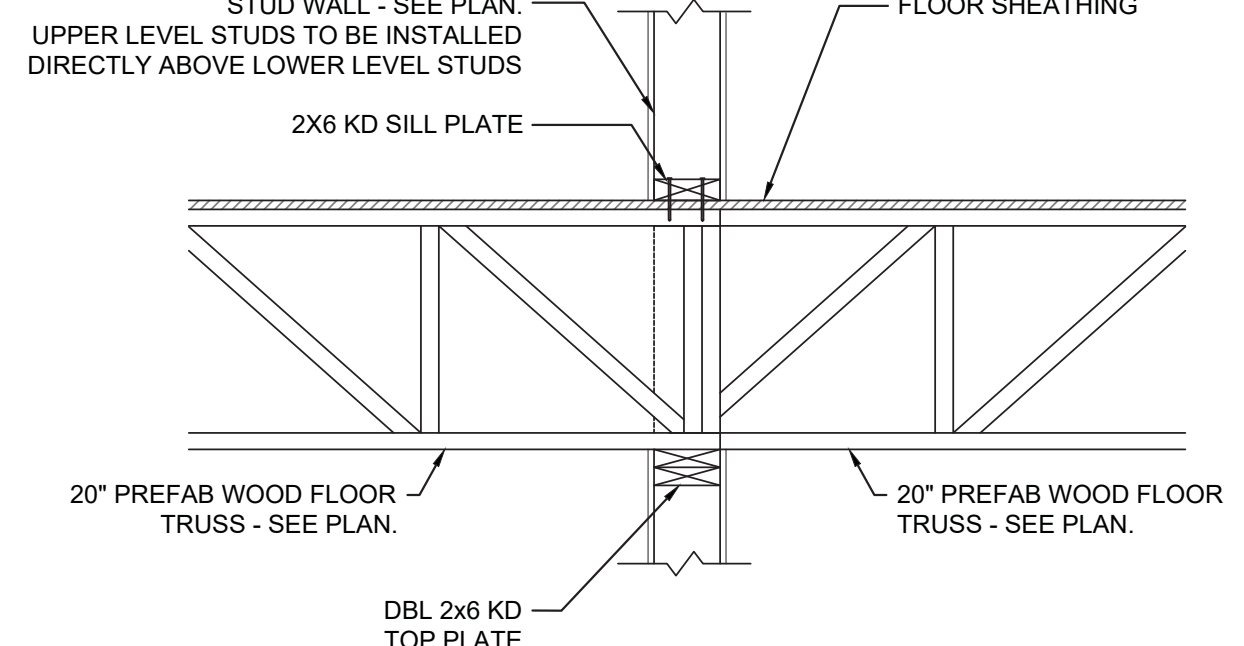
11 TYPICAL LVL BEAM TO BEARING WALL
SCALE: 3/4" = 1'-0"



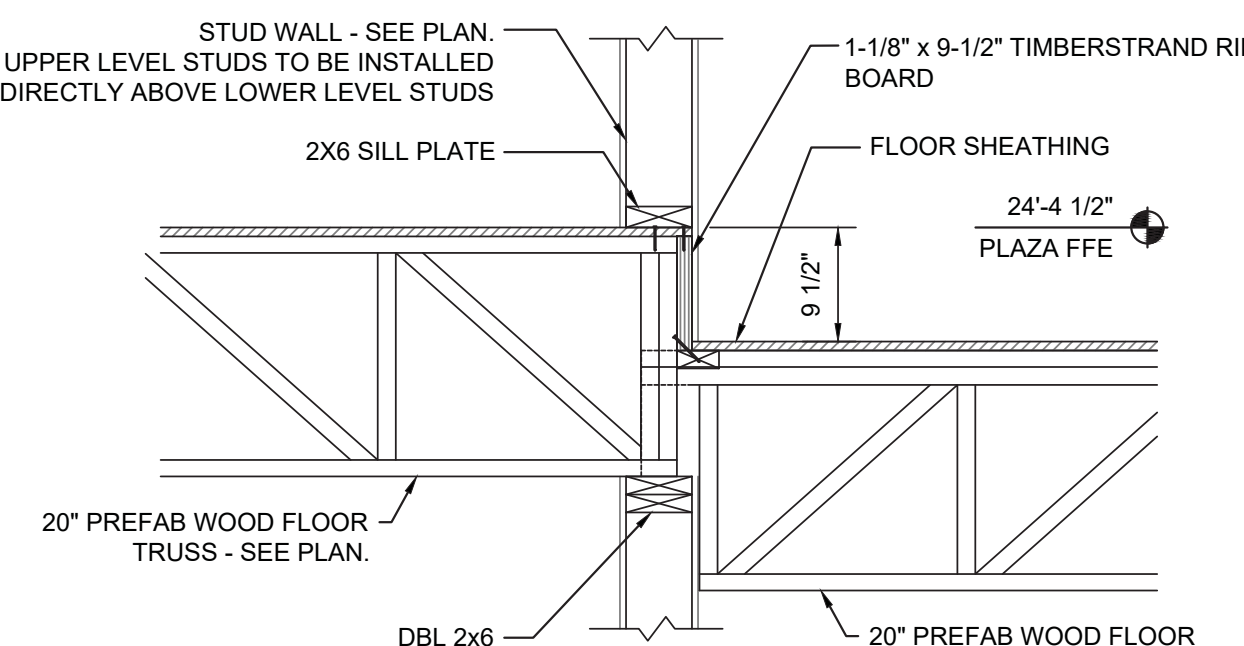
1 TYP. TRUSS BEARING AT EXTERIOR WALL
SCALE: 3/4" = 1'-0"



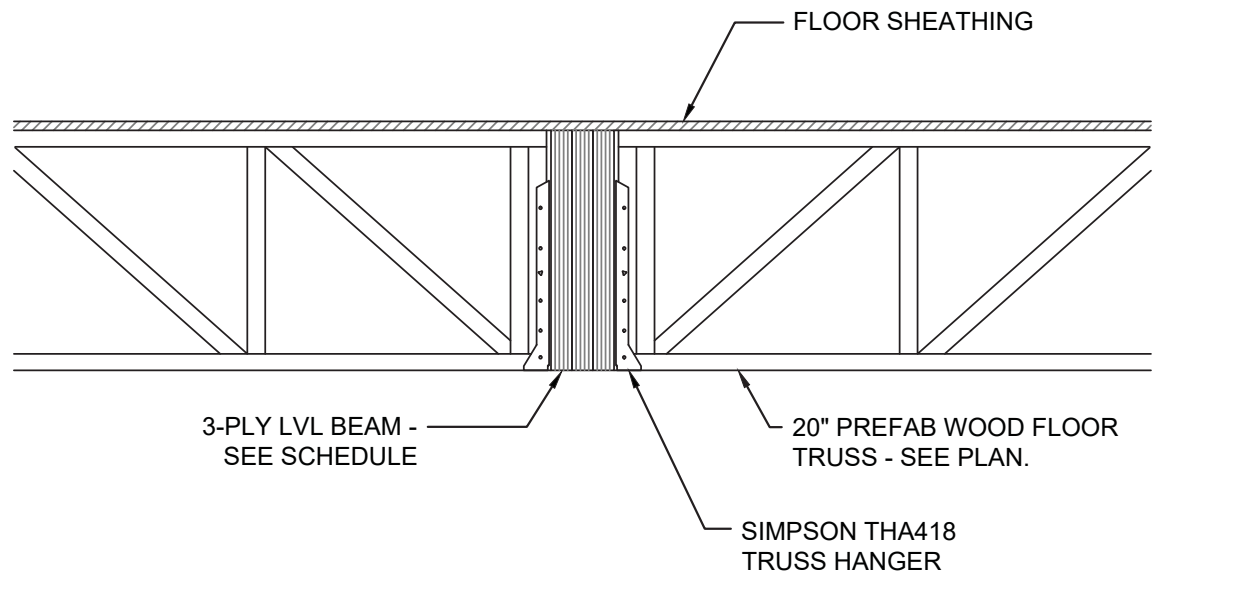
2 TYP. PARALLEL TRUSS FRAMING AT EXTERIOR WALL
SCALE: 3/4" = 1'-0"



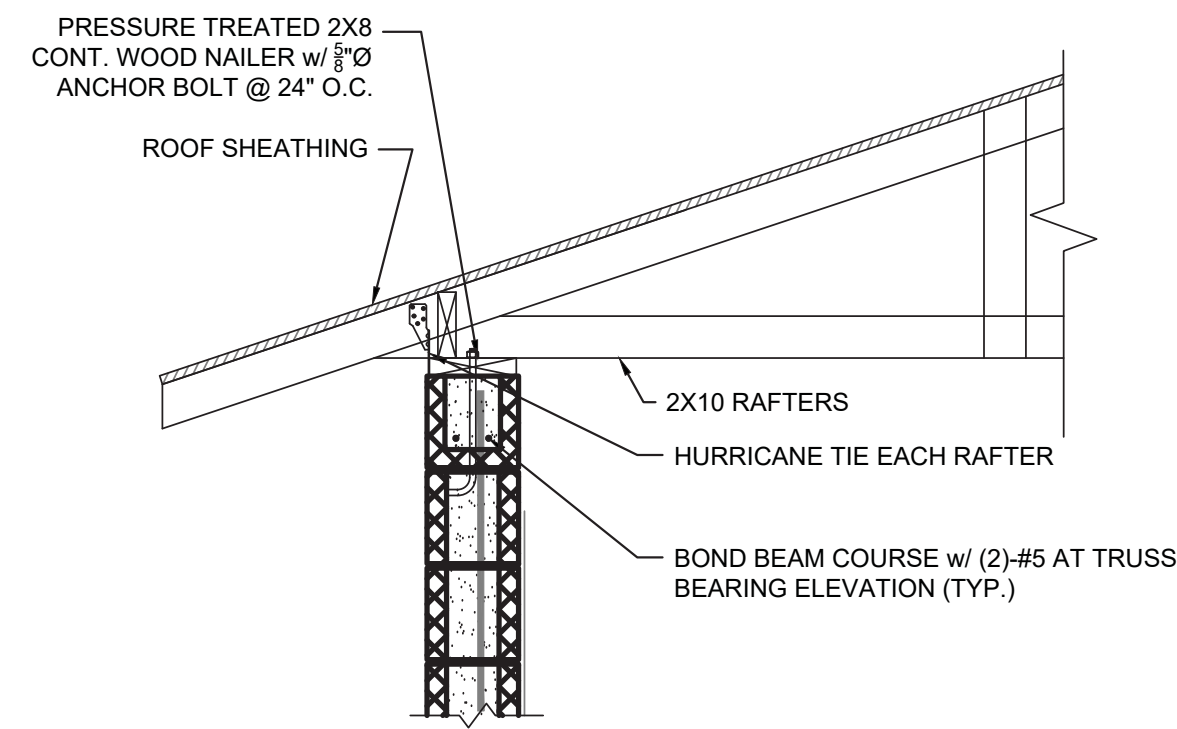
3A TYP. TRUSS BEARING AT INTERIOR WALL
SCALE: 3/4" = 1'-0"



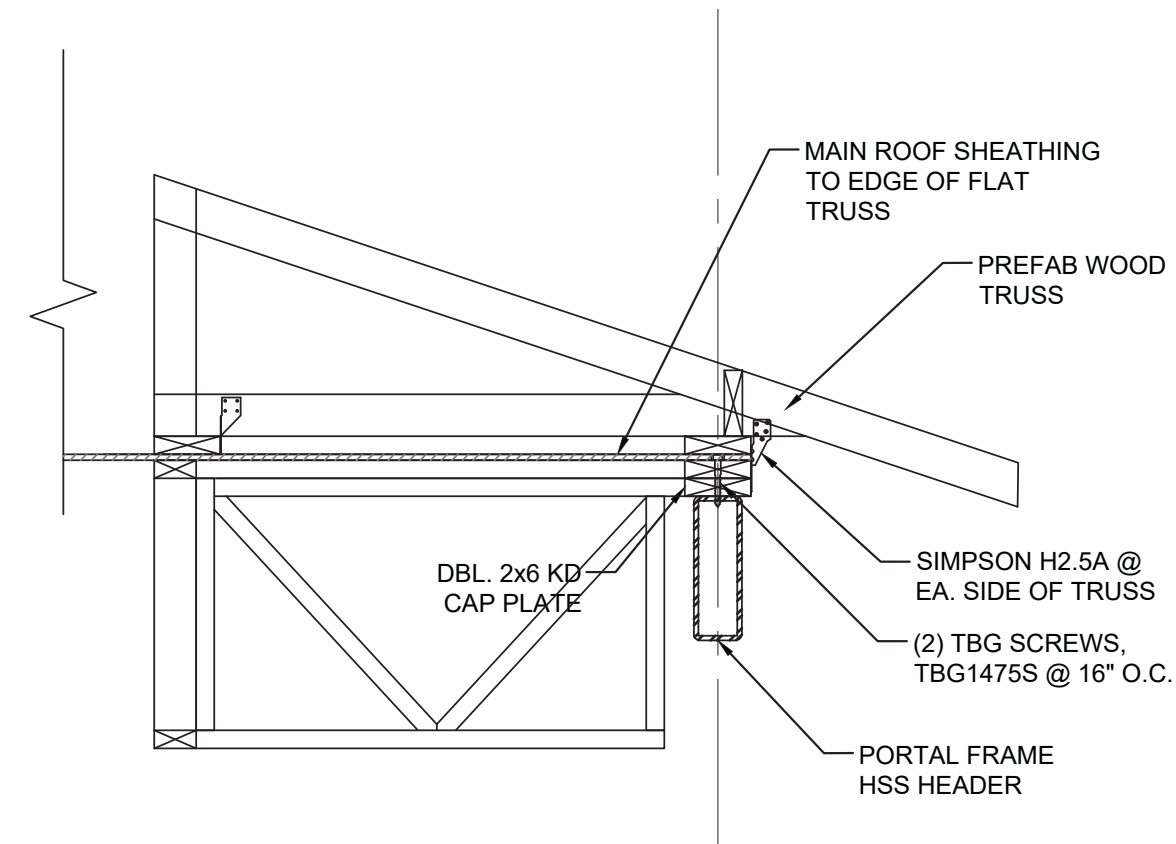
3B TRUSS BEARING AT INTERIOR WALL
SCALE: 3/4" = 1'-0"



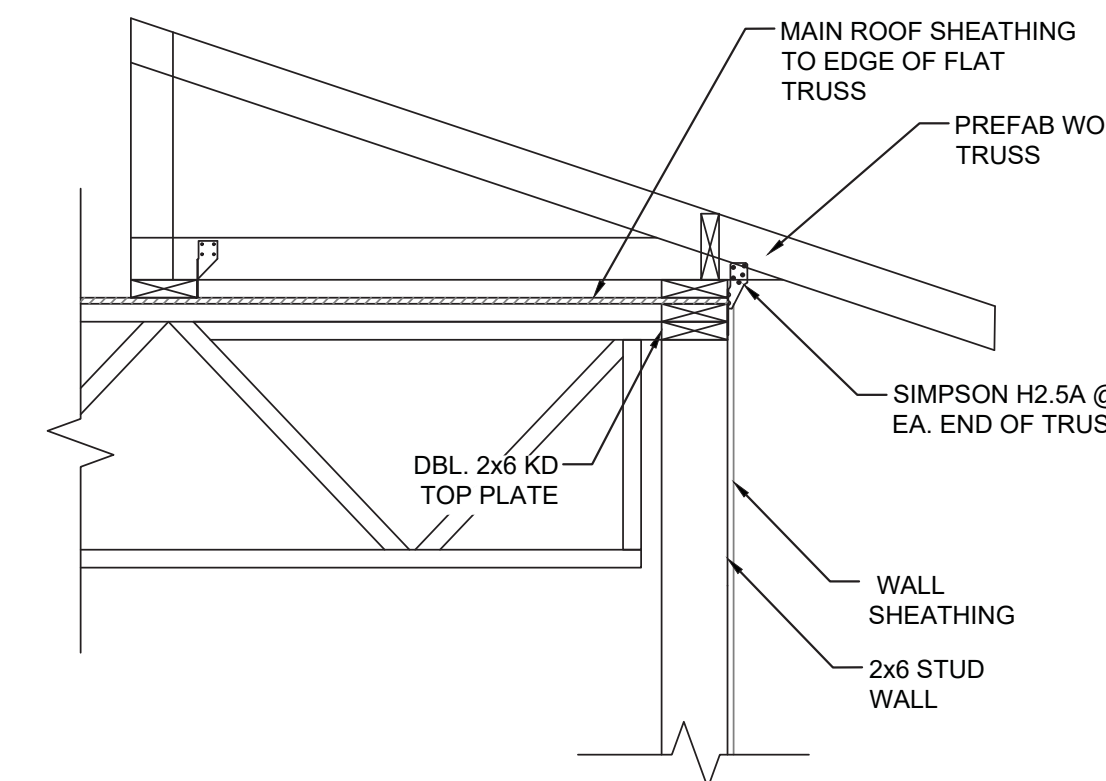
4 TYP. TRUSS BEARING AT BEAM / HEADER
SCALE: 3/4" = 1'-0"



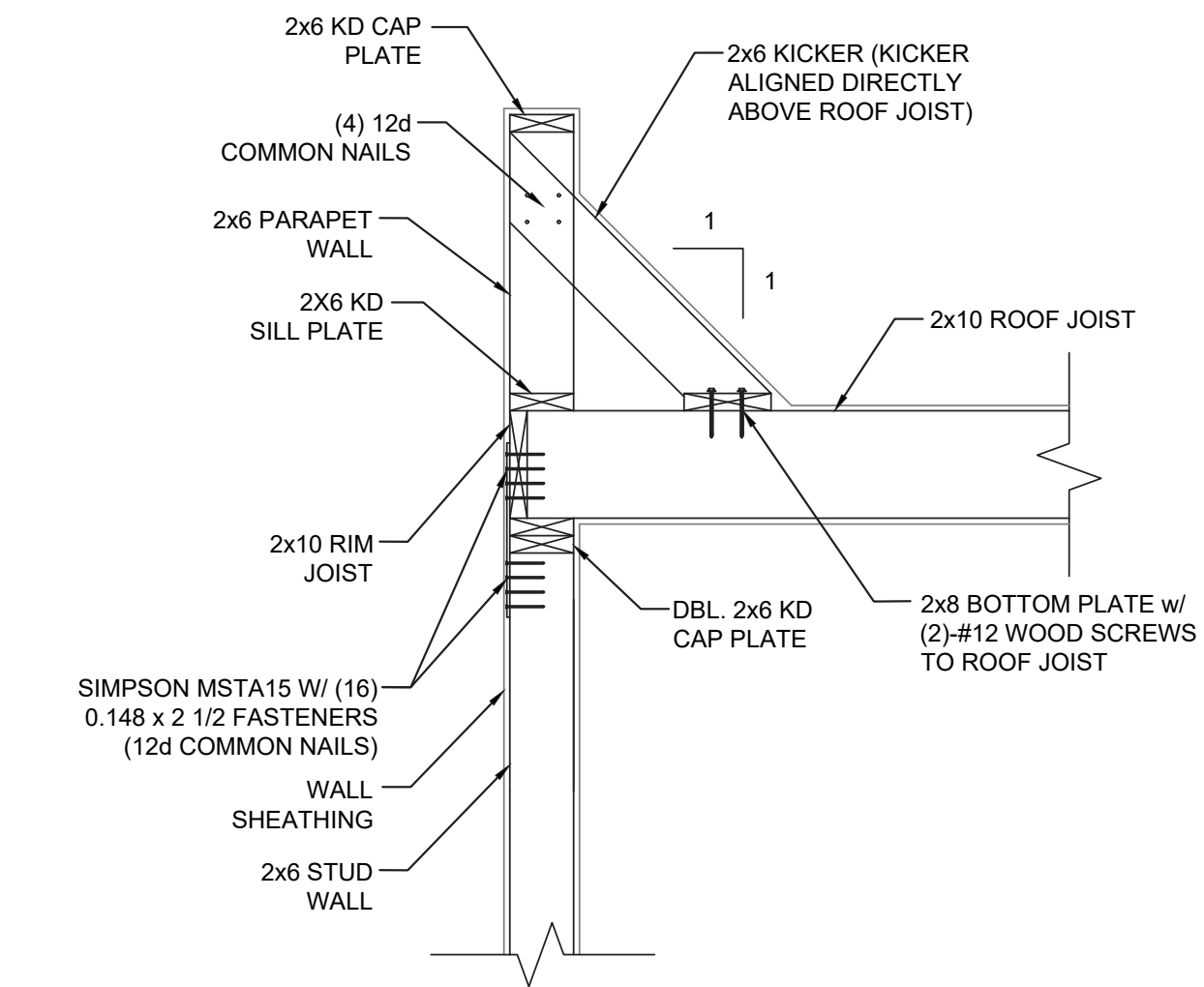
11 ELEVATOR ROOF FRAMING TO CMU WALL
SCALE: 3/4" = 1'-0"



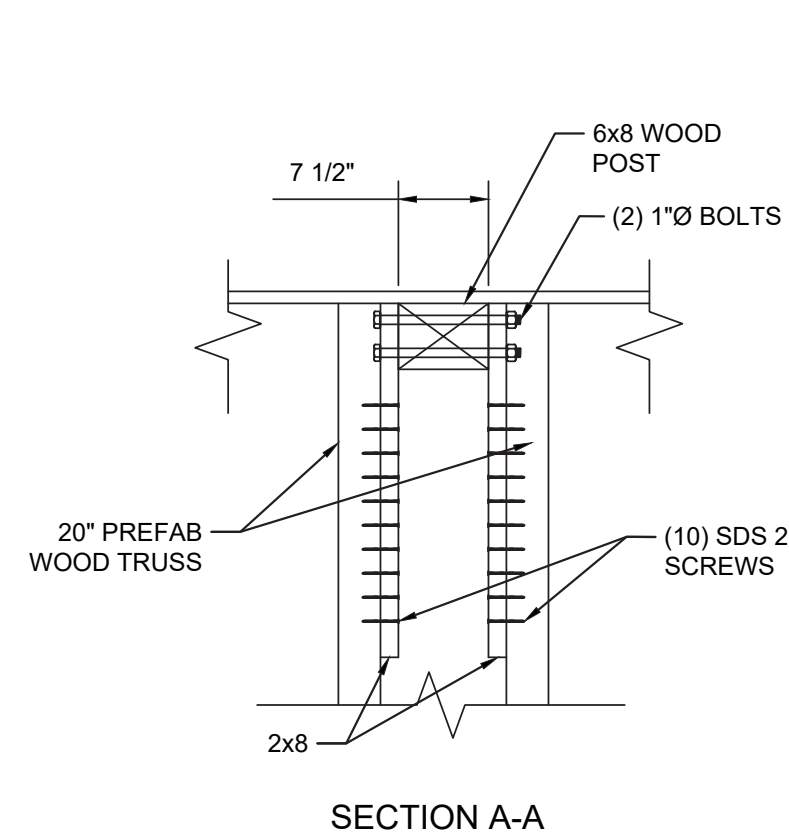
7 ROOF TRUSS OVER PORTAL FRAME B
SCALE: 3/4" = 1'-0"



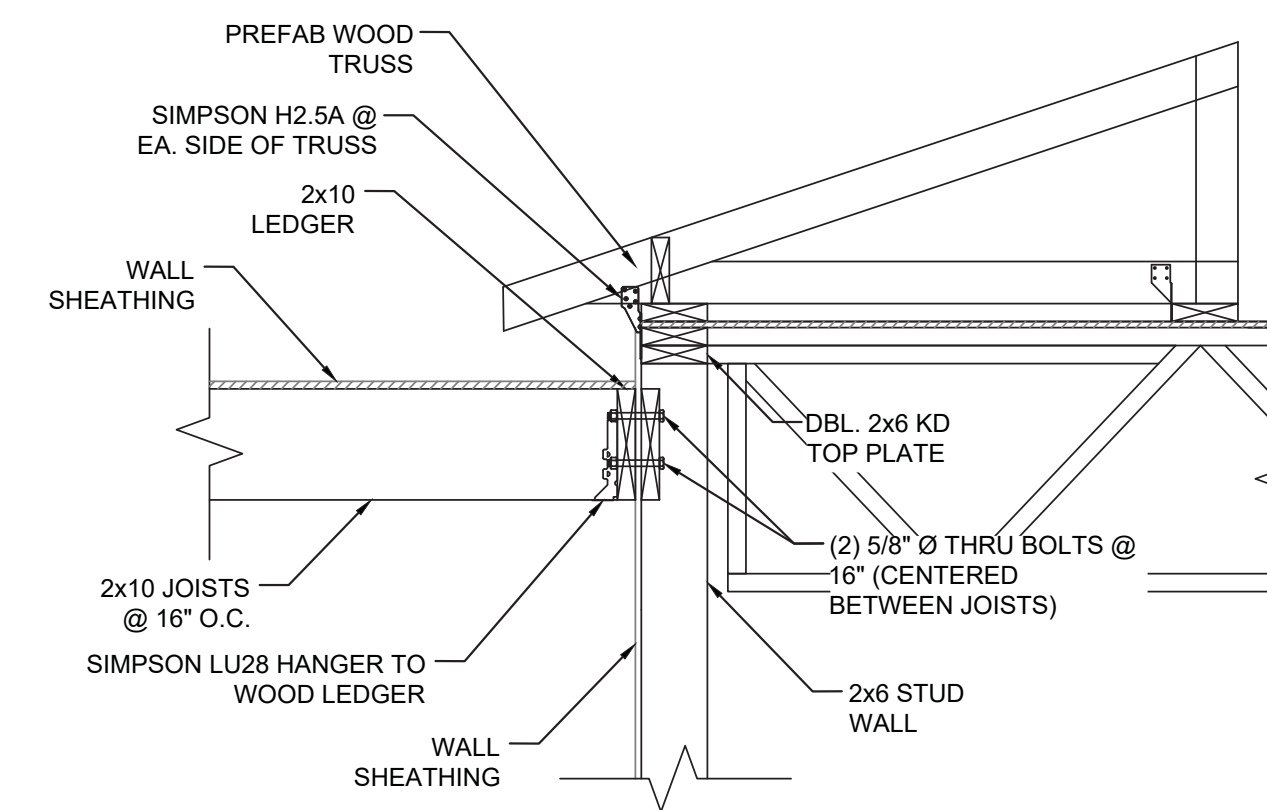
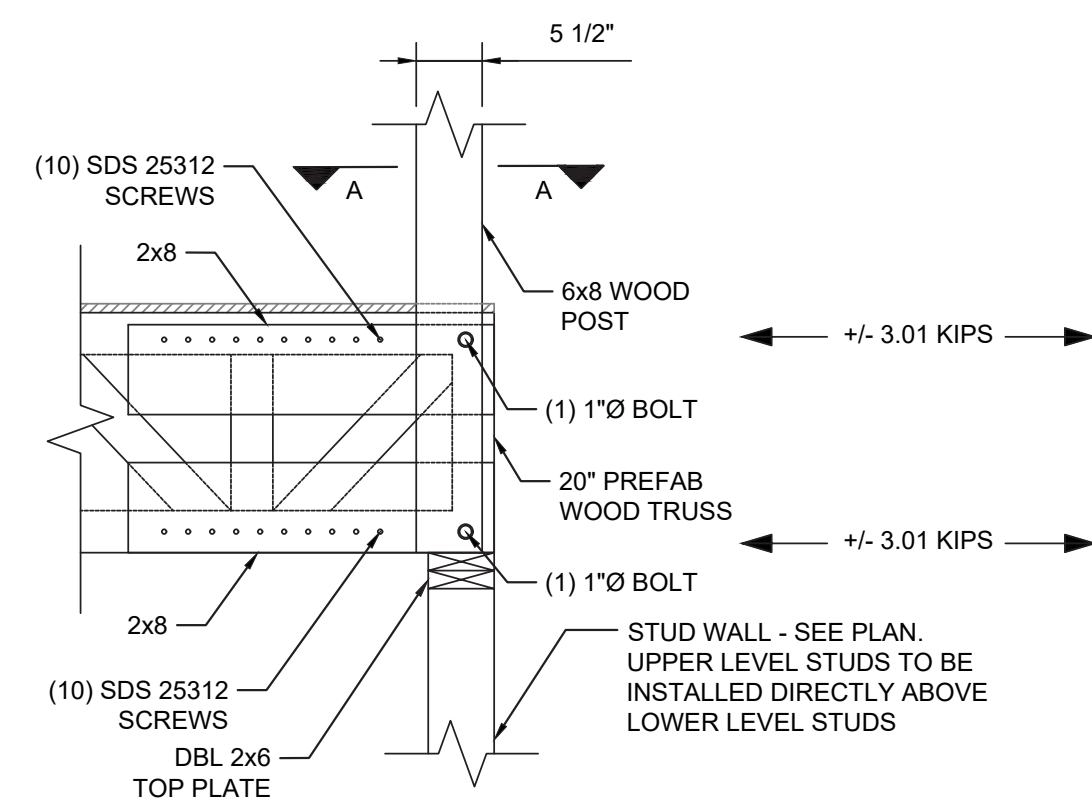
4 ROOF TRUSS AT LOAD BEARING WALL
SCALE: 3/4" = 1'-0"



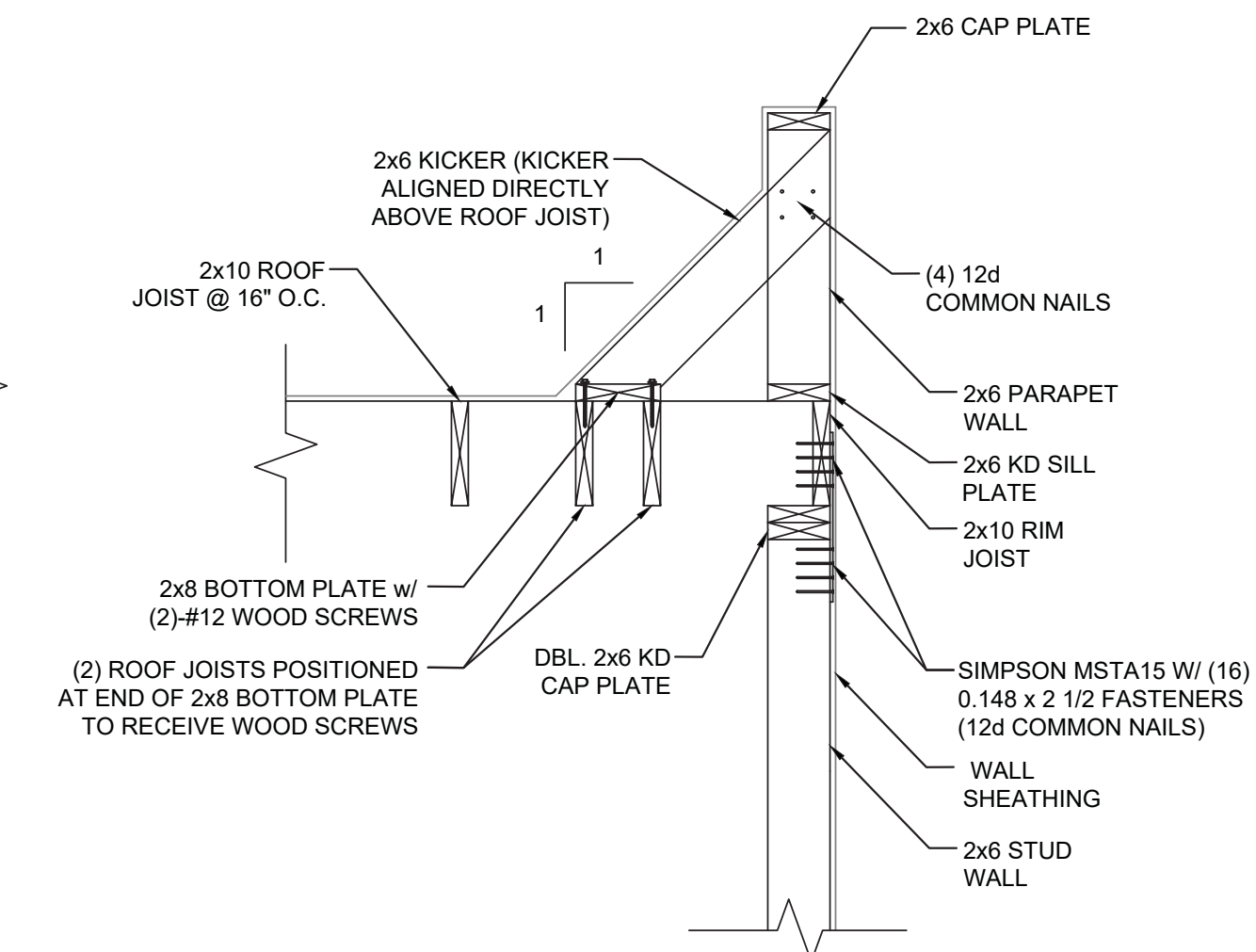
1 ROOF FRAMING W/ KICKER AT EXTERIOR WALL
SCALE: 3/4" = 1'-0"



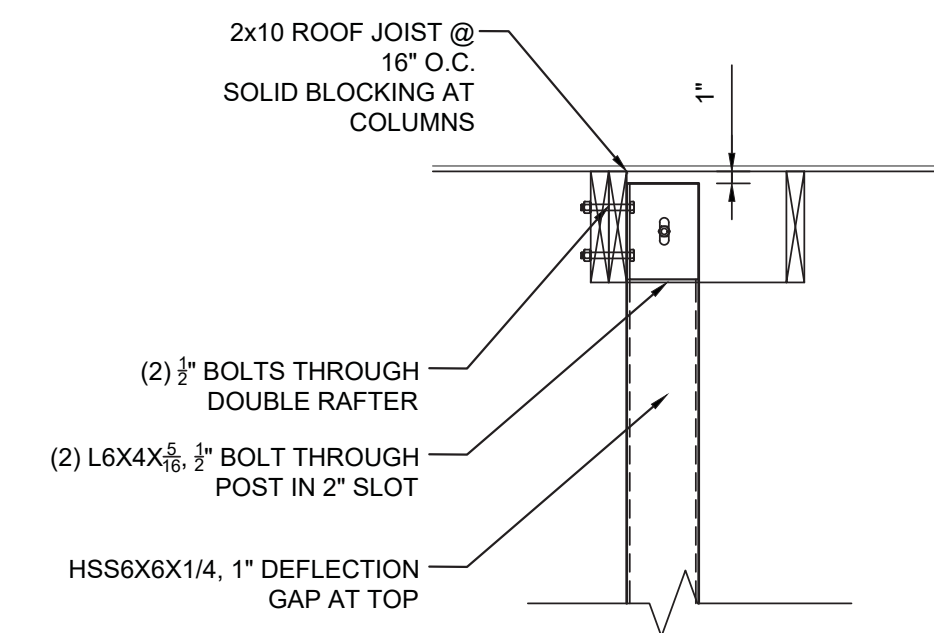
8 PLAZA CANTILEVER POST TO PREFAB FLOOR TRUSS
SCALE: 3/4" = 1'-0"



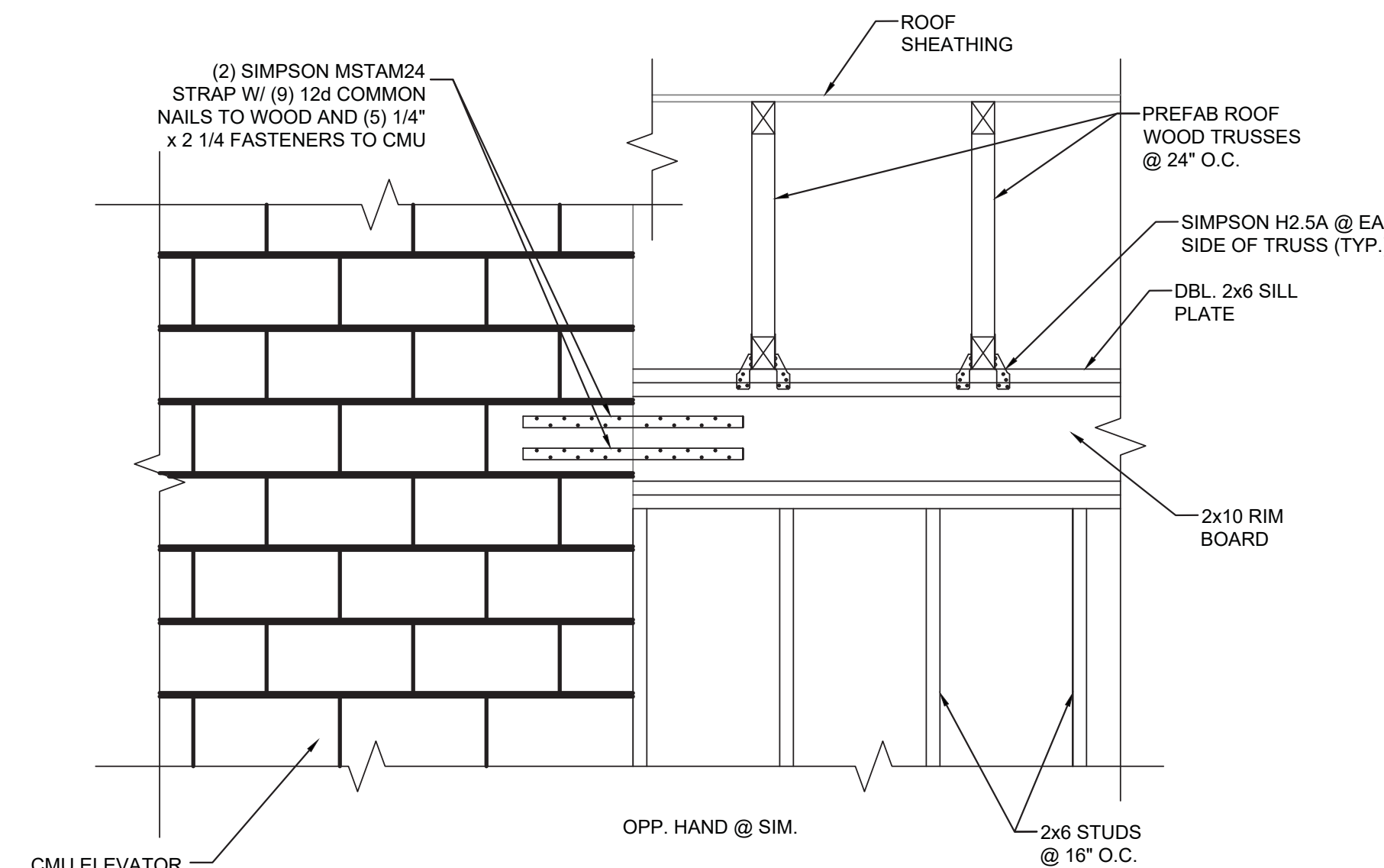
5 HI/LO ROOF AT LOAD BEARING WALL
SCALE: 3/4" = 1'-0"



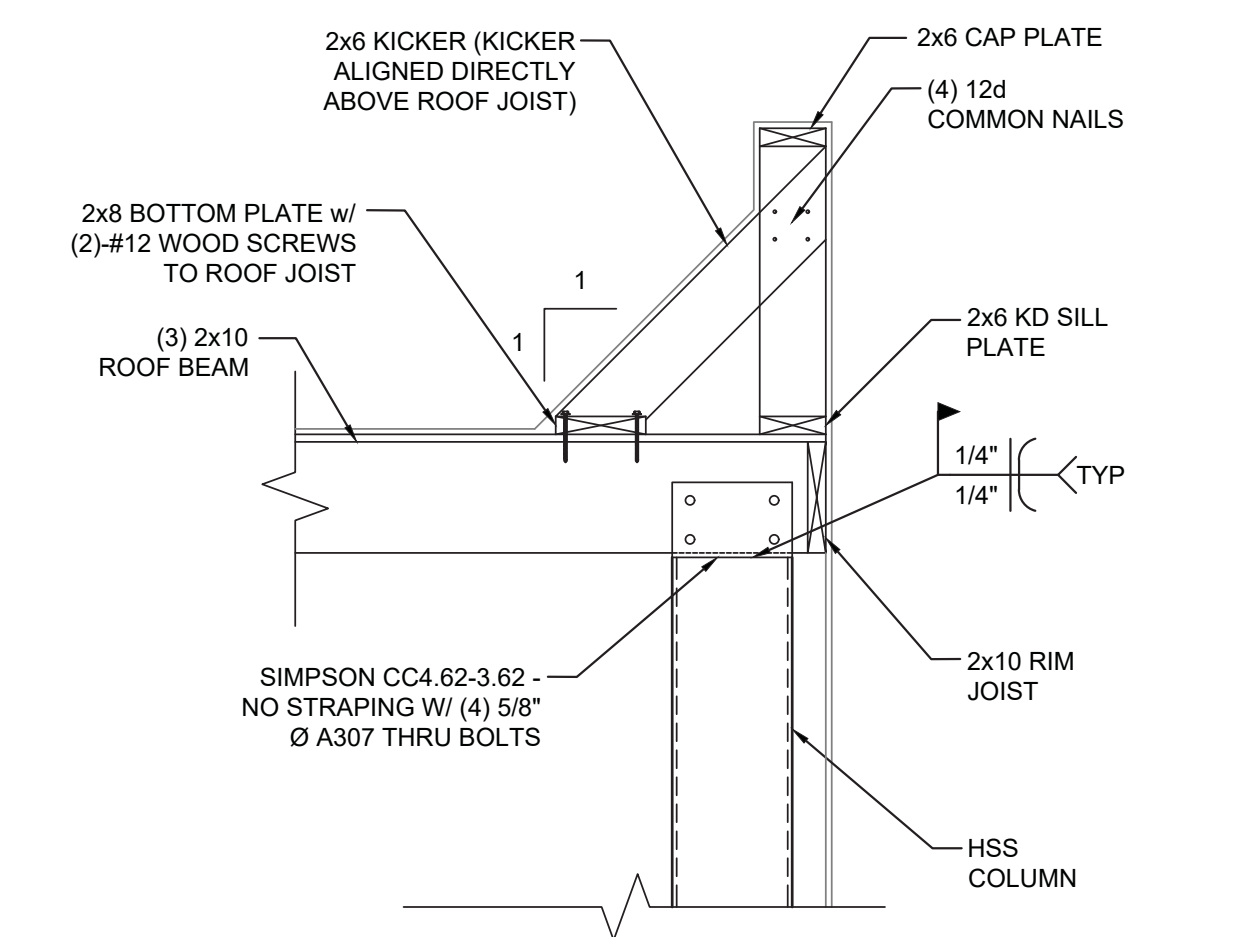
2 ROOF FRAMING W/ KICKER AT EXTERIOR WALL
SCALE: 3/4" = 1'-0"



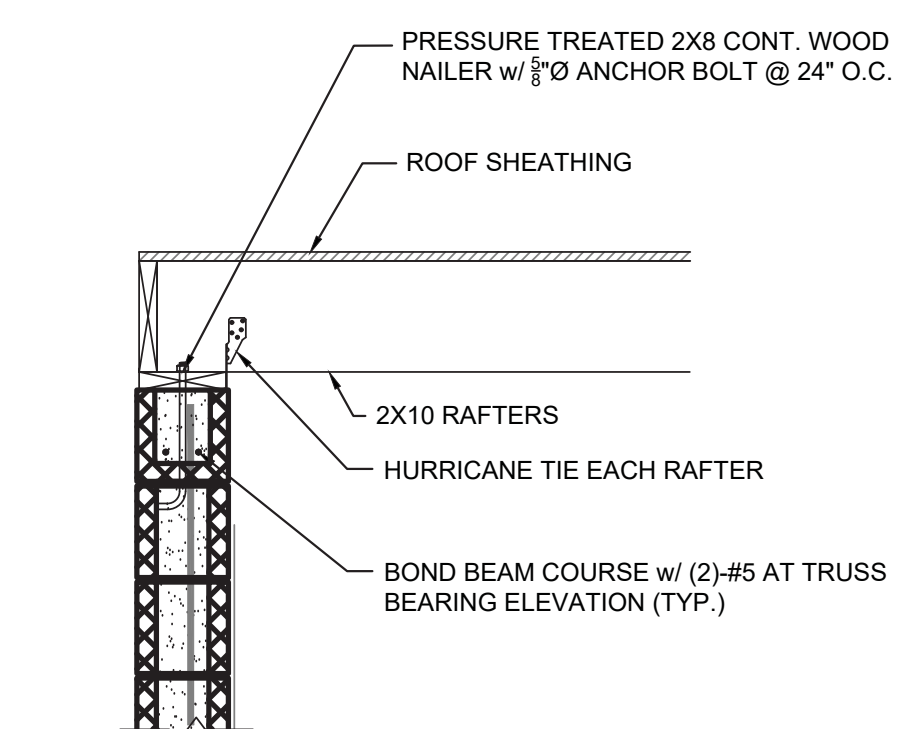
9 STAIRWELL POST CONNECTION AT ROOF
SCALE: 3/4" = 1'-0"



6 CMU TO STUD WALL CONNECTION
SCALE: 3/4" = 1'-0"



3 HSS COLUMN TO ROOF BEAM CONNECTION
SCALE: 3/4" = 1'-0"



10 ELEVATOR ROOF FRAMING TO CMU WALL
SCALE: 3/4" = 1'-0"



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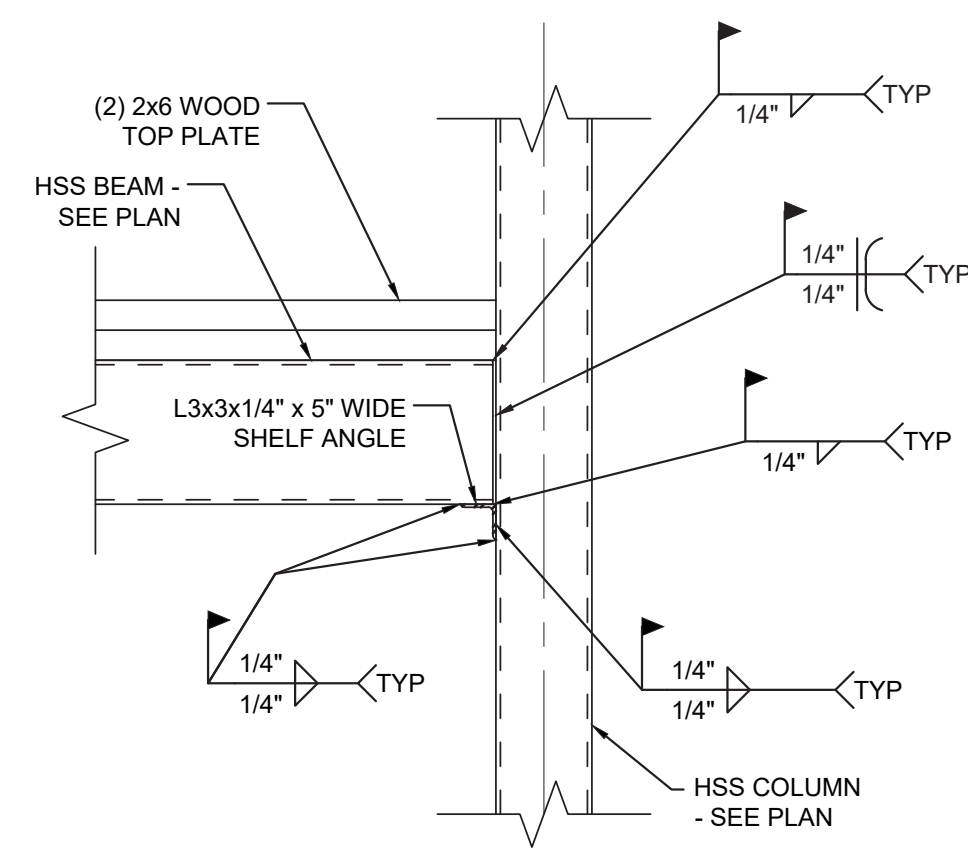
ROOF DETAILS

Sheet Title

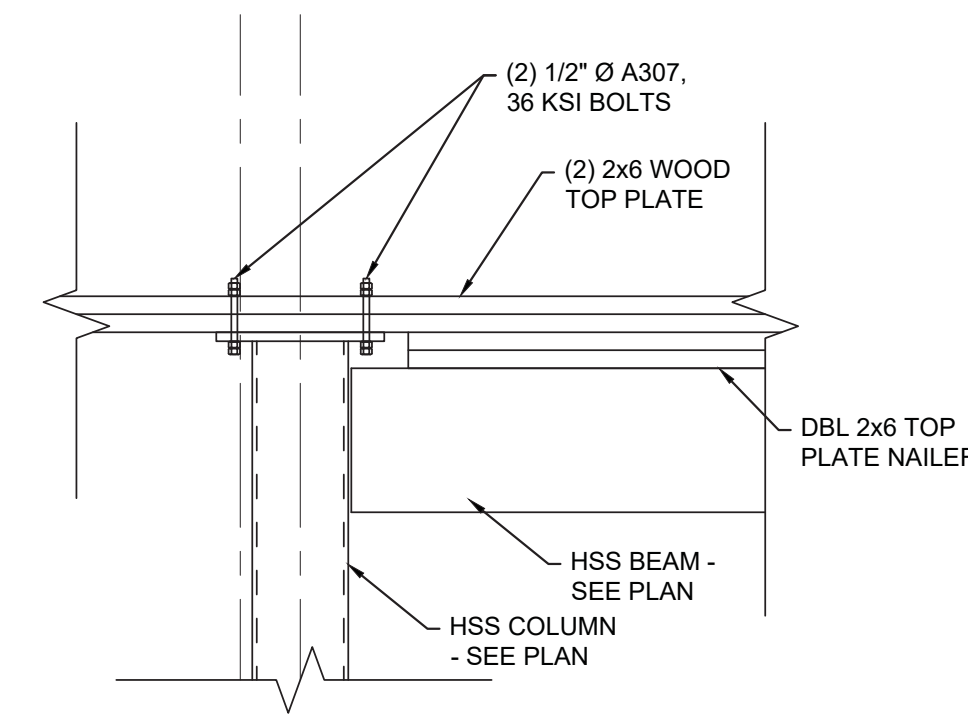
DESIGNED BY:	DLR	
DRAWN BY:	CBA	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
2	-	4/07/2020

Sheet
S3.4

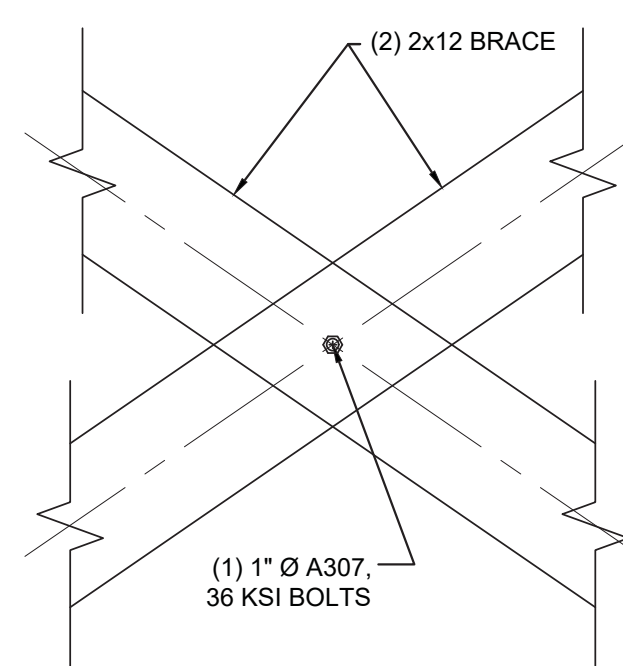
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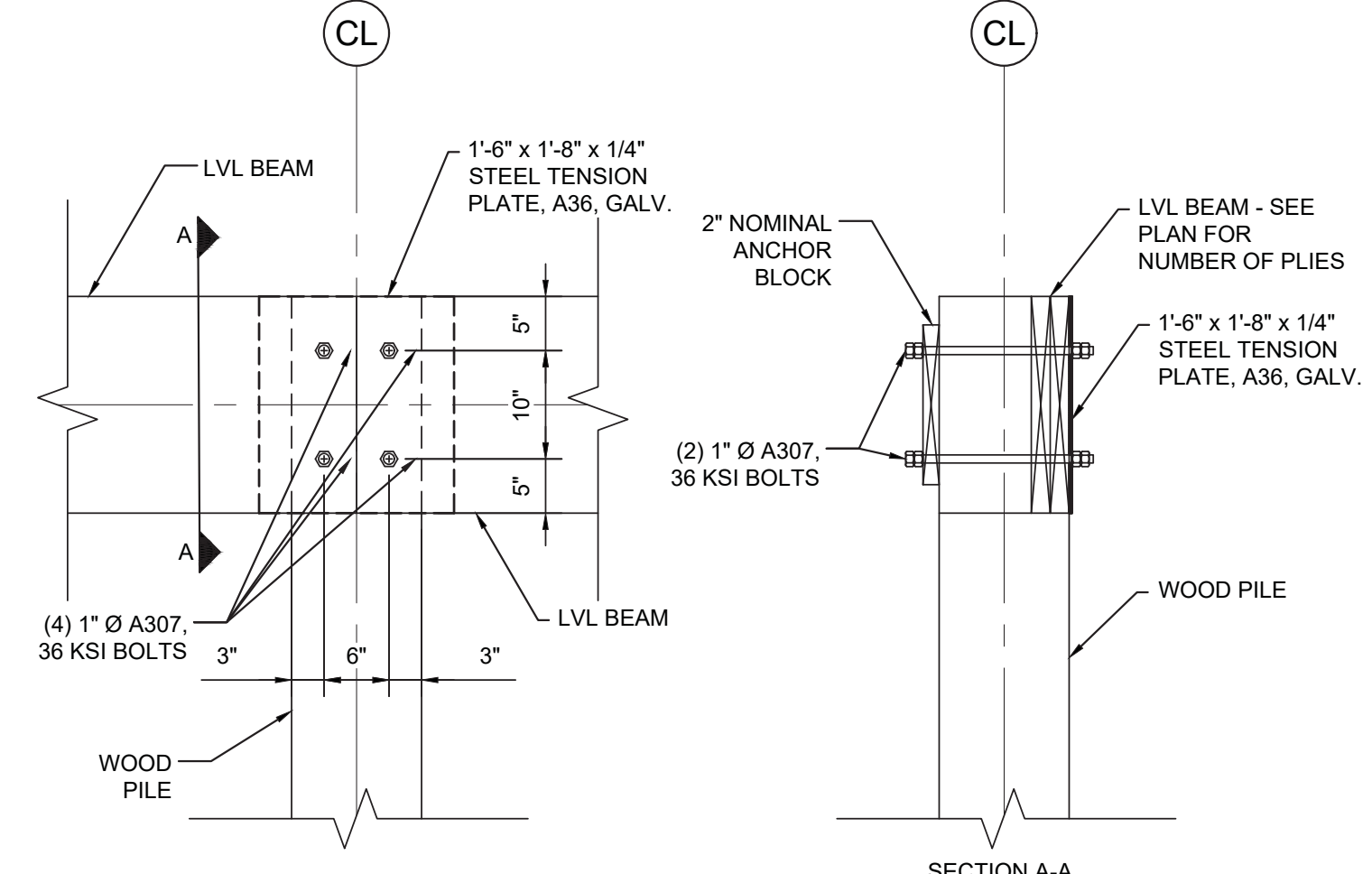
11 HSS BEAM TO HSS COLUMN CONNECTION
SCALE: 3/4" = 1'-0"



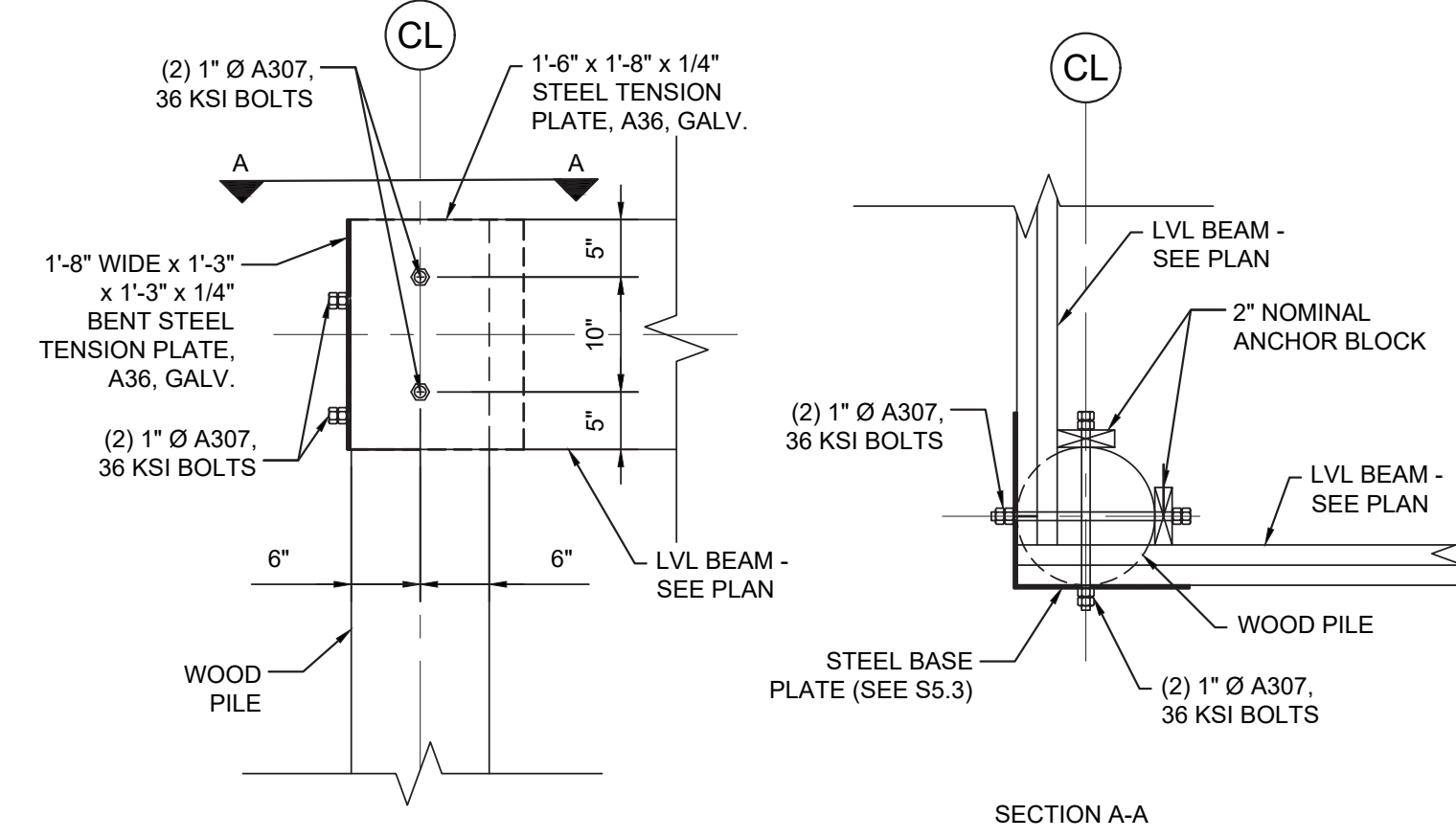
12 HSS COLUMN TO TOP PLATE CONNECTION
SCALE: 3/4" = 1'-0"



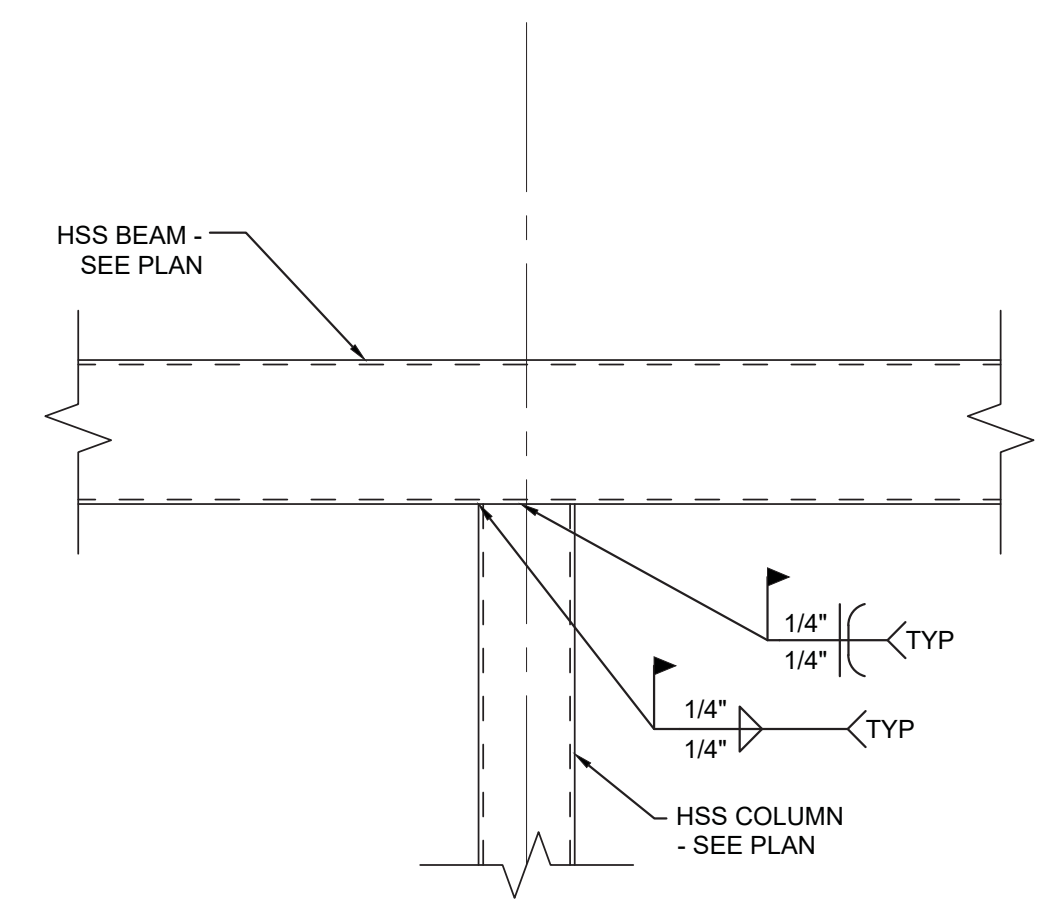
7 WOOD BRACE CENTER CONN.
SCALE: 3/4" = 1'-0"



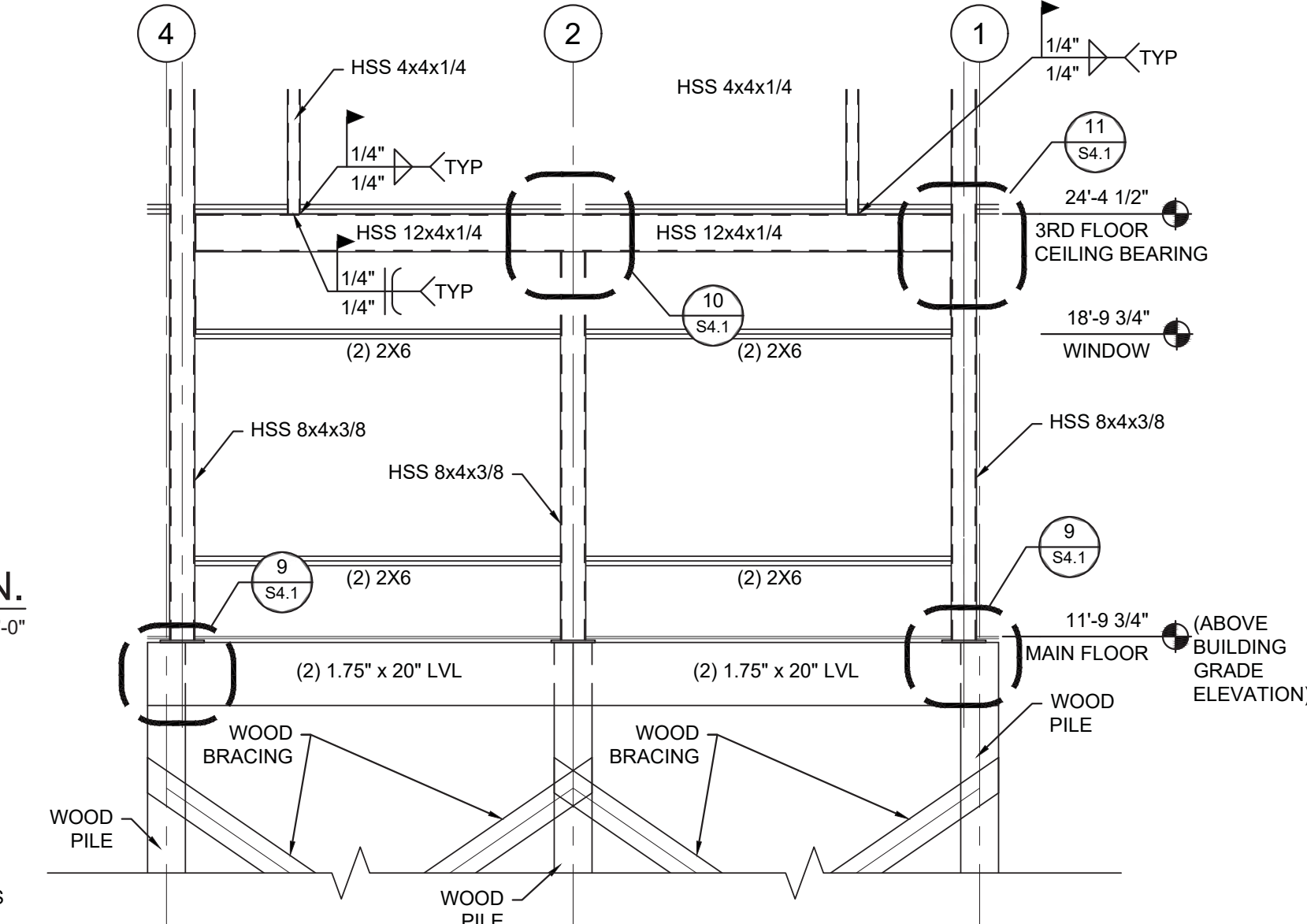
8 LVL TO PILE CONNECTION
SCALE: 3/4" = 1'-0"



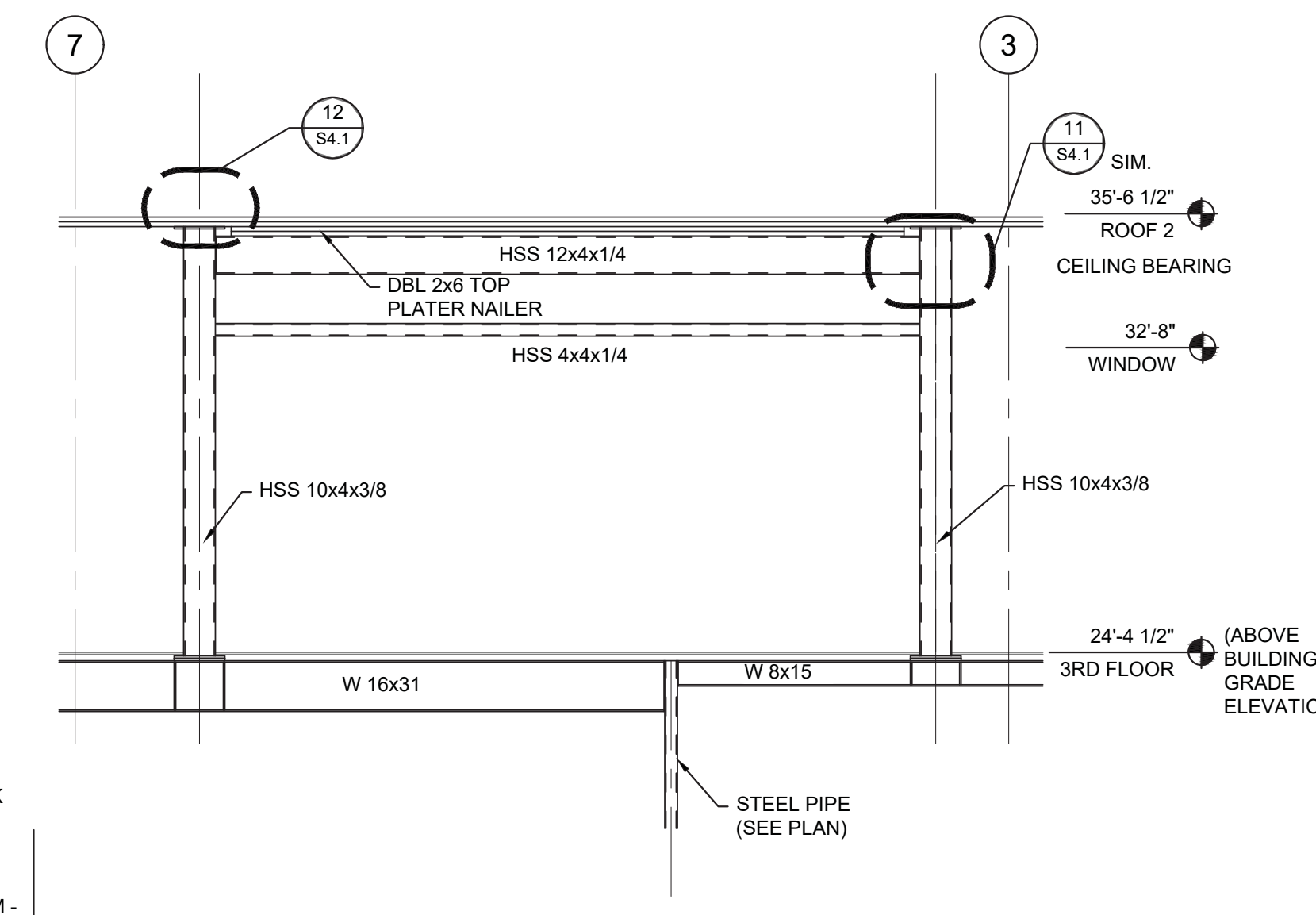
9 LVL TO END PILE CONNECTION
SCALE: 3/4" = 1'-0"



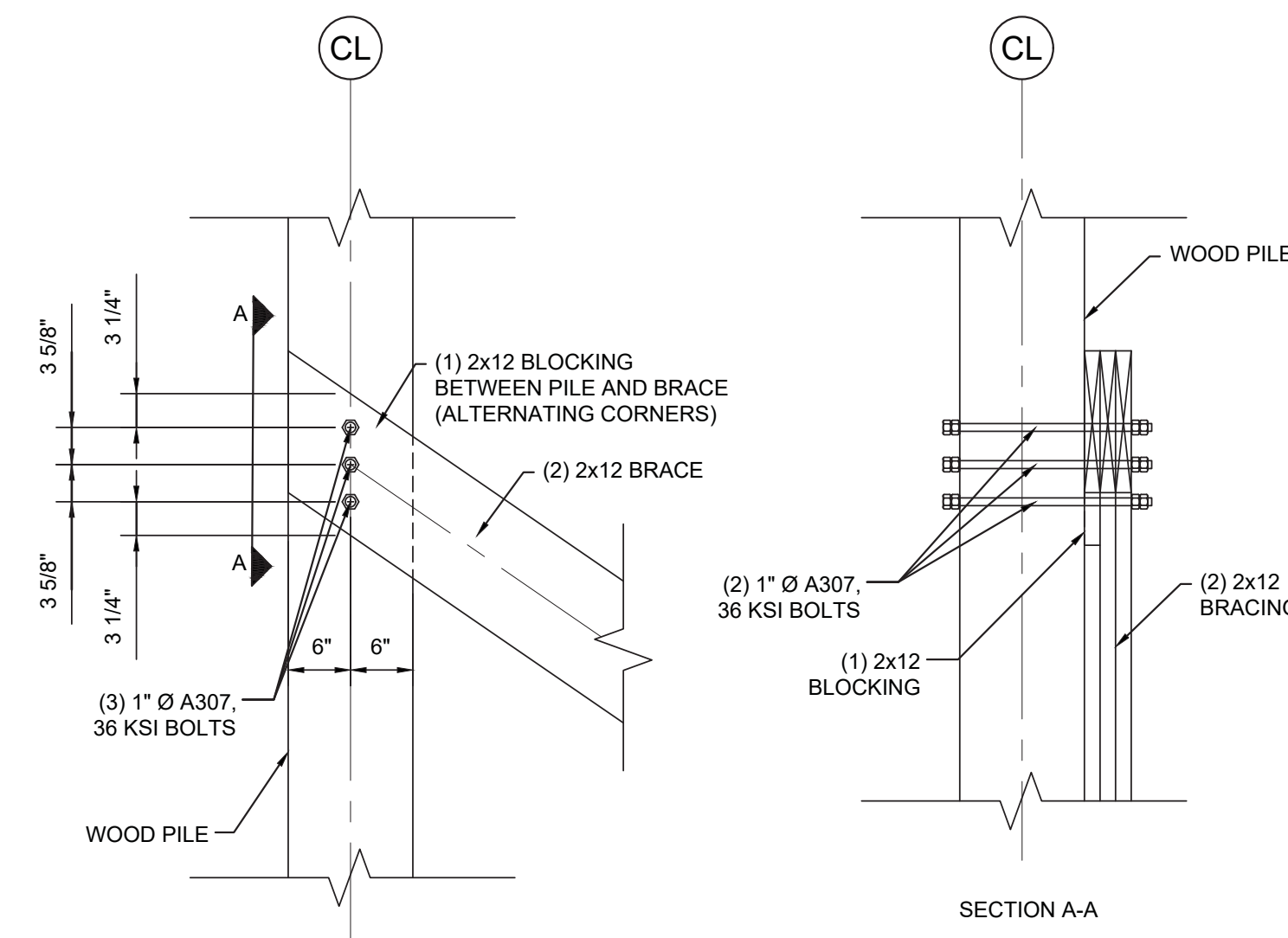
10 HSS BEAM TO HSS COLUMN CONNECTION
SCALE: 3/4" = 1'-0"



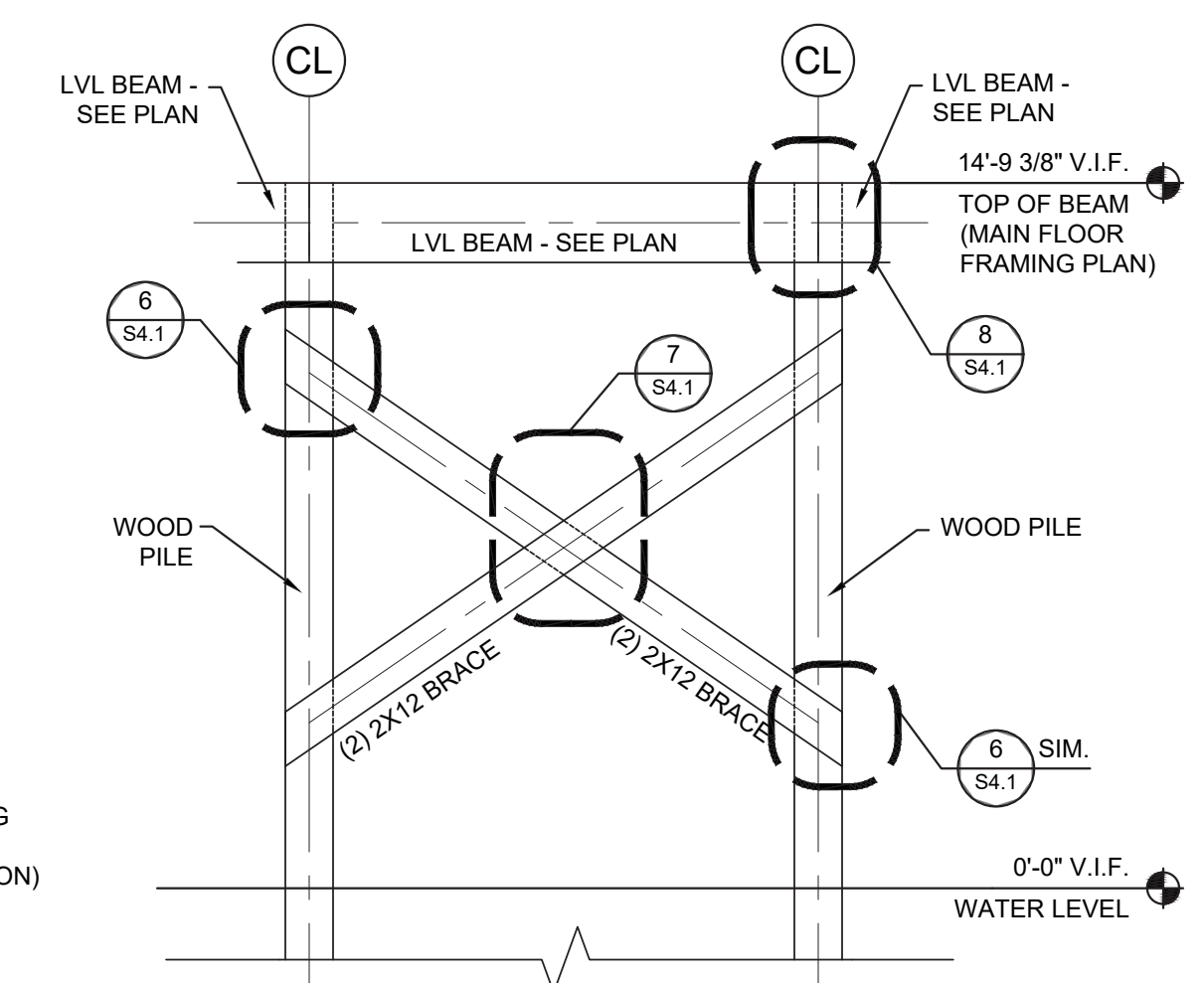
4 STEEL PORTAL FRAME A
SCALE: 1/4" = 1'-0"



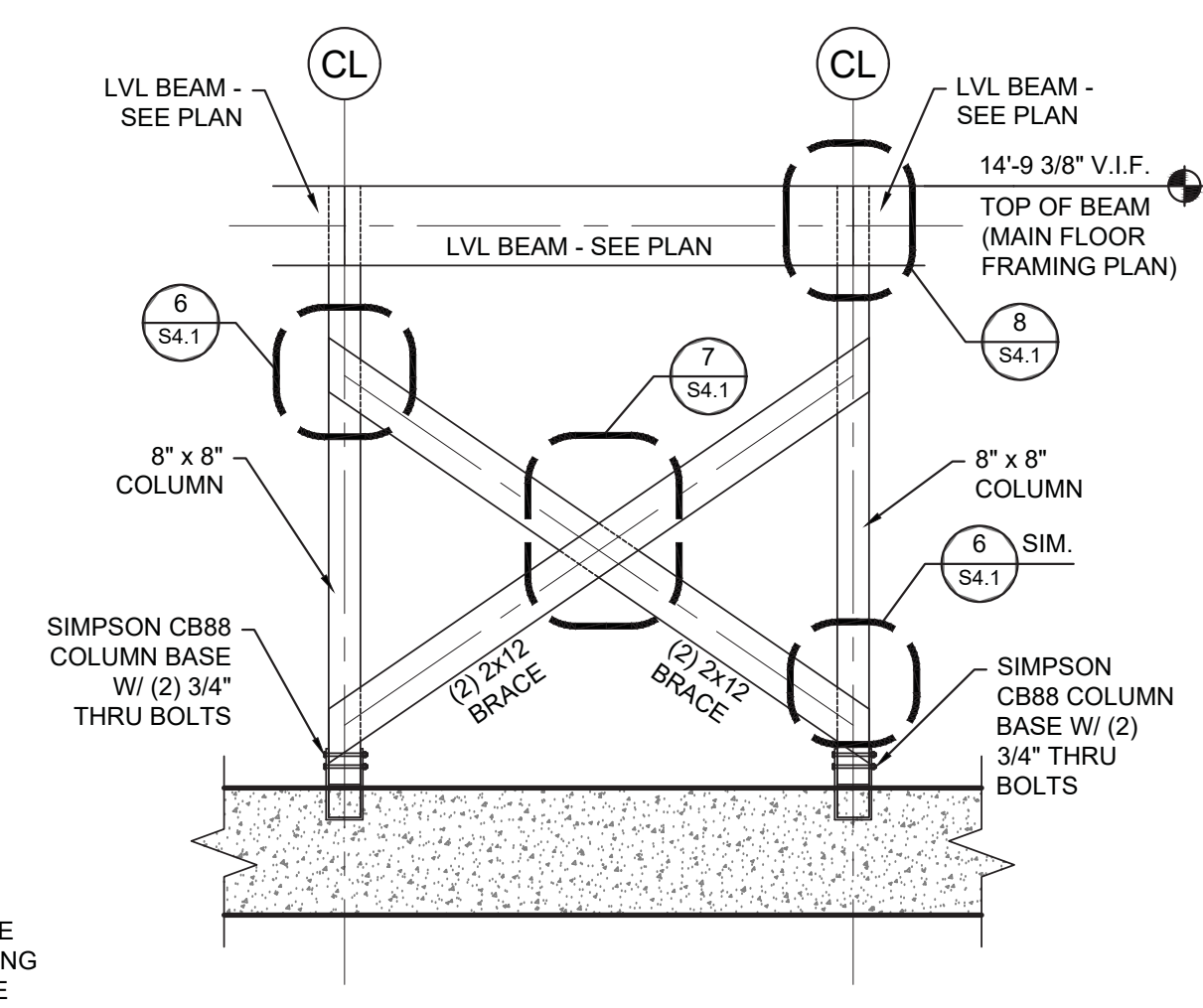
5 STEEL PORTAL FRAME B
SCALE: 1/4" = 1'-0"



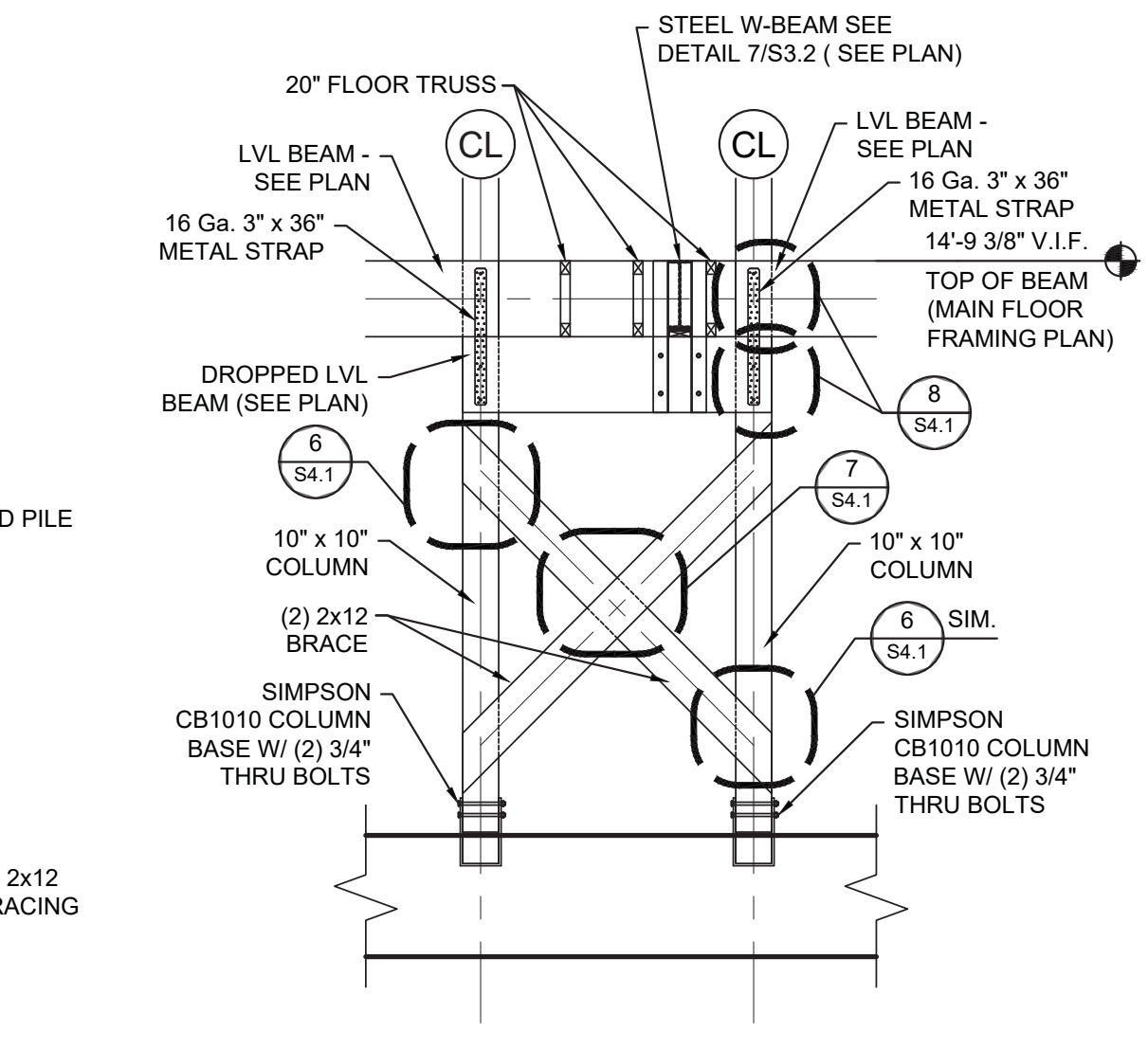
6 WOOD BRACE CONNECTION
SCALE: 3/4" = 1'-0"



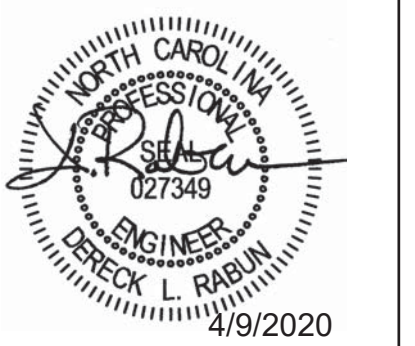
1 BRACED FRAME BF-1
SCALE: 1/4" = 1'-0"



2 BRACED FRAME BF-2
SCALE: 1/4" = 1'-0"



3 BRACED FRAME BF-3
SCALE: 1/4" = 1'-0"



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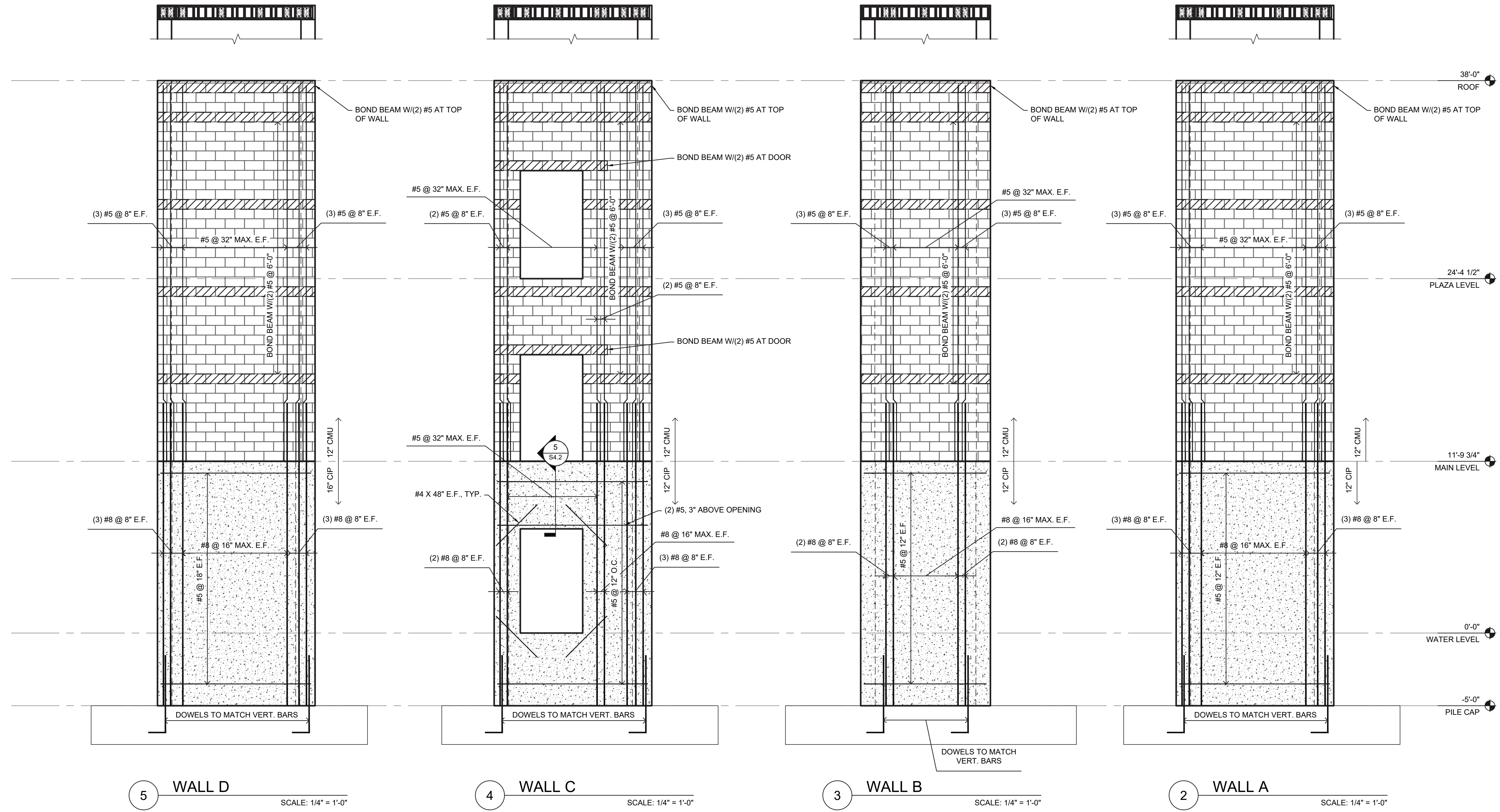
PORTAL FRAME /
BRACING SECTIONS

Sheet Title

DESIGNED BY:	DLR	
DRAWN BY:	CBA	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
2	-	4/07/2020

Sheet

S4.1

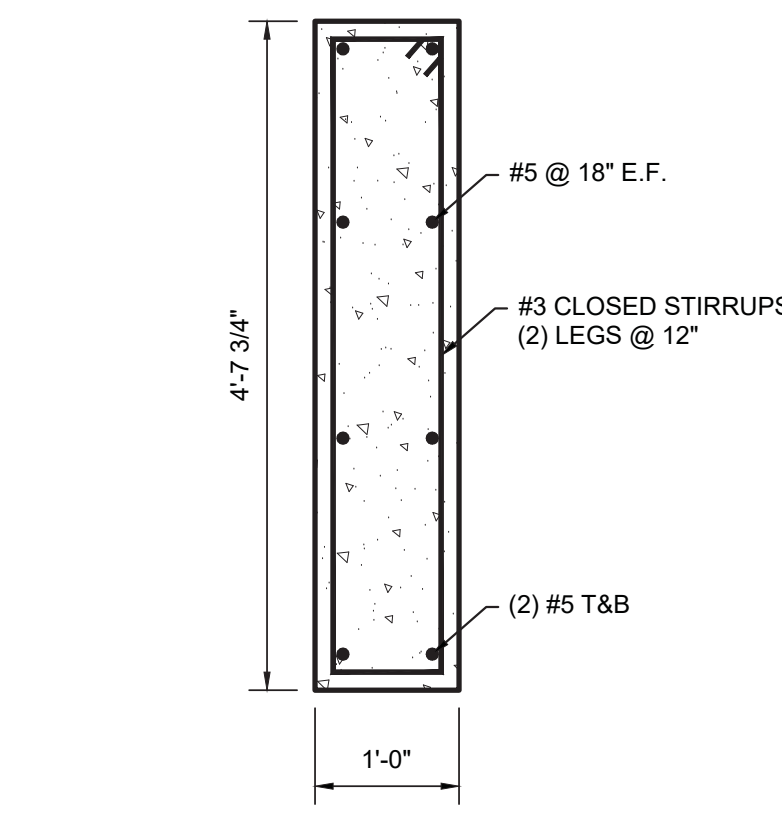


5 WALL D SCALE: 1/4" = 1'-0"

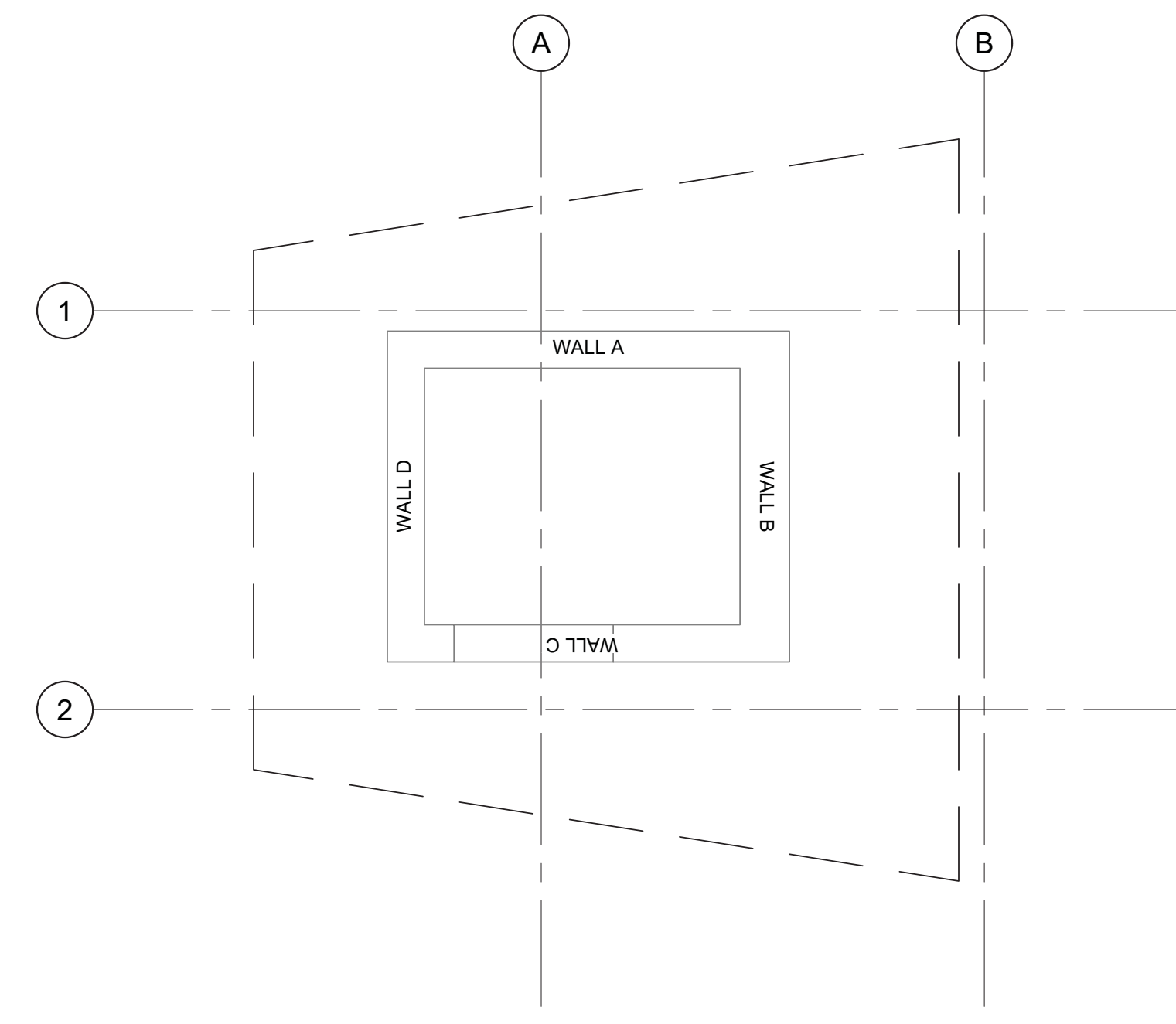
4 WALL C SCALE: 1/4" = 1'-0"

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

2 WALL A SCALE: 1/4" = 1'-0"

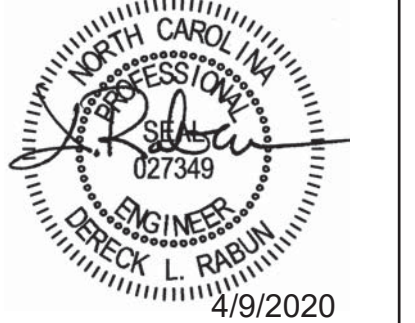


5 BEAM ELEVATOR 1 SCALE: 3/4" = 1'-0"



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

2 ADDENDUM 4/07/2020



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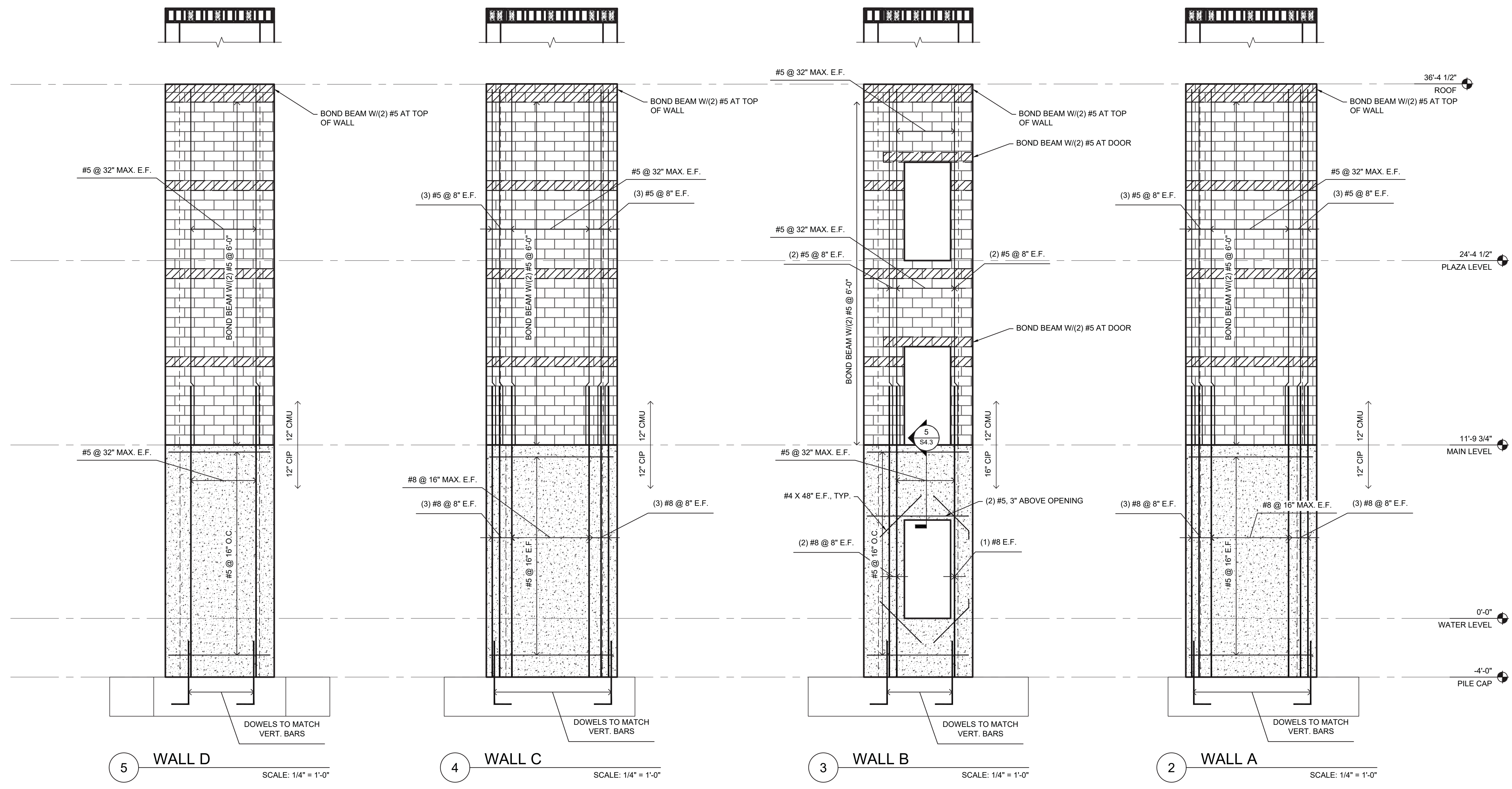
Project Name

Sheet Title
SHEARWALL ELEVATIONS

DESIGNED BY:	DLR	
DRAWN BY:	DLR	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
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Sheet
S4.2

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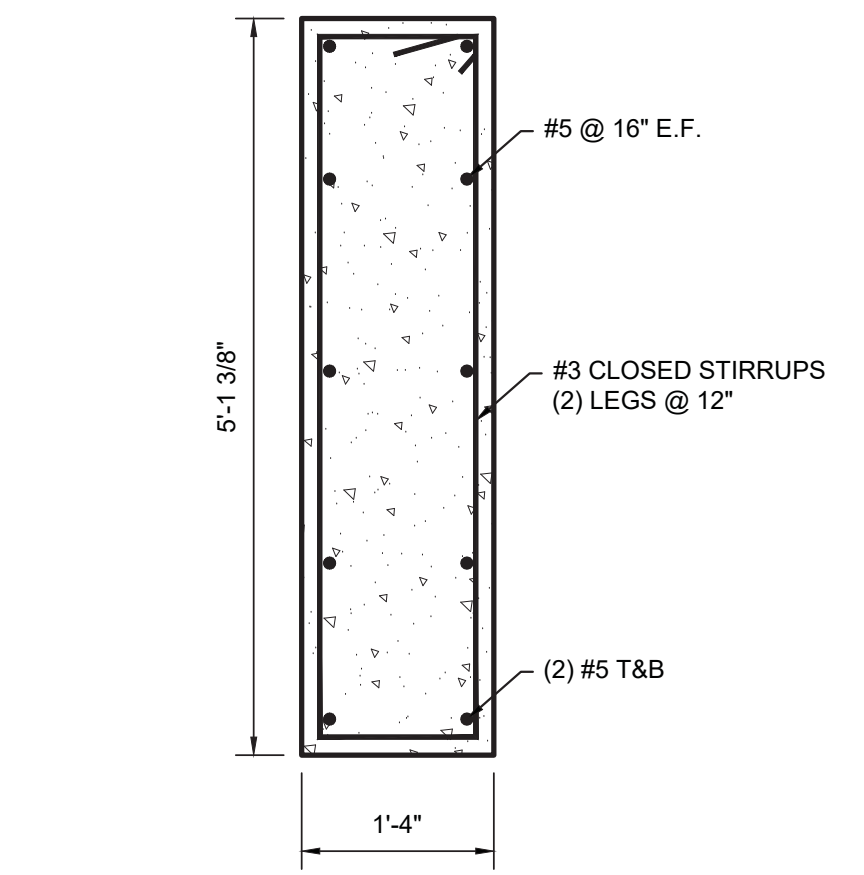


5 WALL D SCALE: 1/4" = 1'-0"

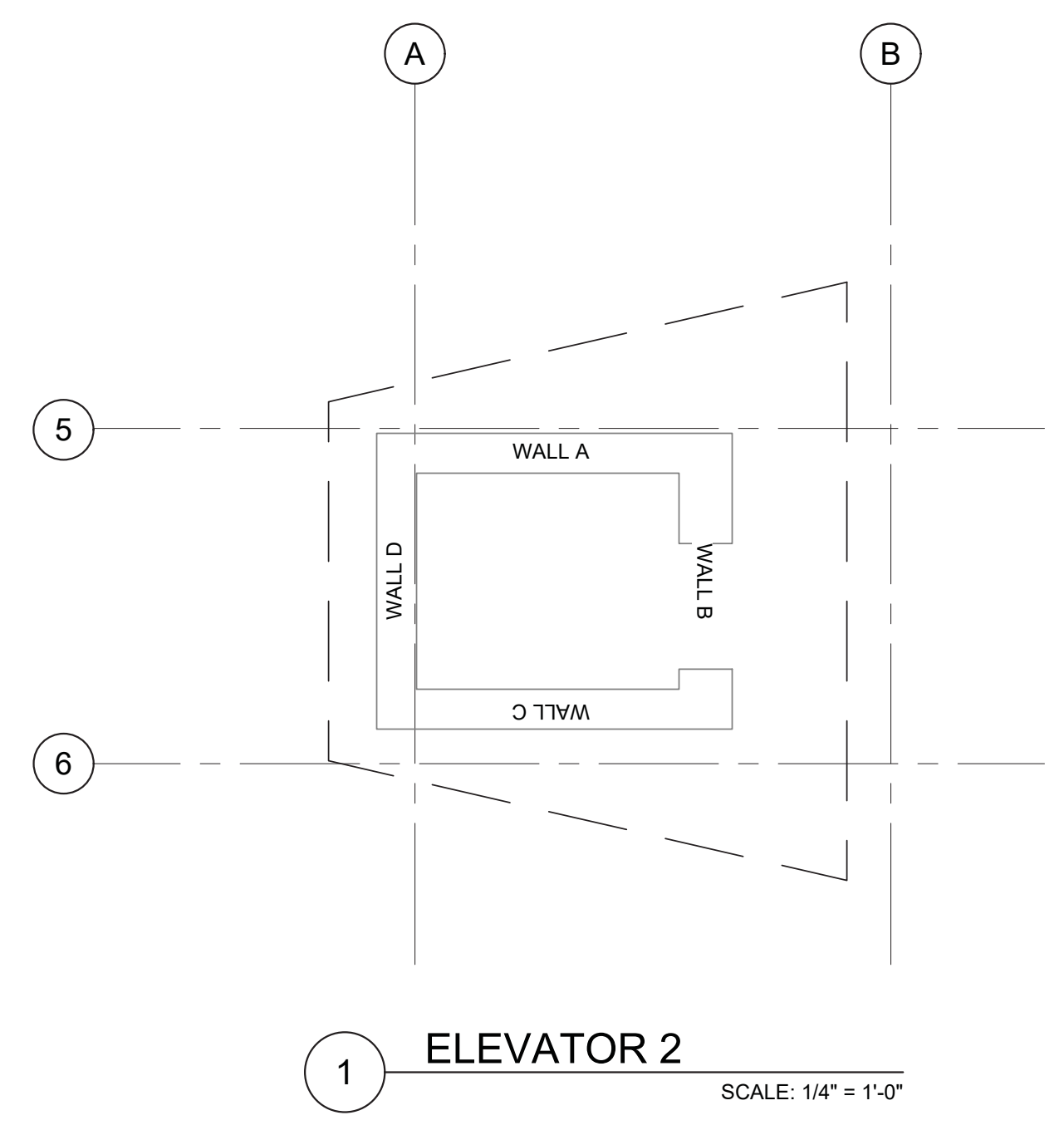
4 WALL C SCALE: 1/4" = 1'-0"

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

2 WALL A SCALE: 1/4" = 1'-0"



5 BEAM ELEVATOR 2 SCALE: 3/4" = 1'-0"



1 ELEVATOR 2 SCALE: 1/4" = 1'-0"

2 ADDENDUM 4/07/2020



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Project Name

Sheet Title
SHEARWALL ELEVATIONS

DESIGNED BY:	DLR	
DRAWN BY:	DLR	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
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Sheet
S4.3

Ownership of Instruments of Service: All reports, plans, specifications, computer files, field data, notes and instruments prepared by the design professional as instruments of service shall remain the property of the design professional. All common law, statutory and other reserved rights including the copyright therein.

LOAD BEARING WALL SCHEDULE

WALL TYPE	LEVEL	STUD SIZE
W1	LOWER - PLAZA	(1) 2x6 No. 2 SP @ 16" O.C. MAX.
W2	LOWER - PLAZA	(2) 2x4 No. 2 SP @ 16" O.C. MAX.
W3	LOWER - PLAZA	400S250-43 @ 16" O.C. MAX. (METAL STUD)
W4	UPPER - ROOF	(1) 2x6 No. 2 SP @ 16" O.C. MAX.
W5	UPPER - ROOF	(1) 2x4 No. 2 SP @ 16" O.C. MAX.

- NOTES:
- DOUBLE STUDS SHALL BE FASTENED TOGETHER WITH (2)10d COMMON NAILS @ 24" O.C.
 - SEE ARCHITECTURAL DRAWINGS FOR WALL THICKNESS.
 - ALL INTERIOR AND EXTERIOR BEARING WALLS SHALL BE BLOCKED WITH FULL WIDTH BLOCKING @ 48" O.C.
 - WALL TOP AND BOTTOM PLATES SHALL MATCH SIZE AND GRADE OF WALL STUDS.
 - SEE GENERAL NOTES SHEET S1.0 FOR MINIMUM MATERIAL PROPERTIES OF LUMBER.
 - STUDS TO BE SPF/HF No. 2 UNLESS NOTED OTHERWISE.
 - SEE 2/SS.1 FOR BRIDGING ANCHORAGE. METAL STUDS REQUIRE 2"x43 MIL FLAT STRAP BRIDGING @ 4'-0" MAX. SPACING ANCHORED @ 16'-0" MAX.
 - SEE S1.1 FOR METAL STUD SPECIFICATIONS.

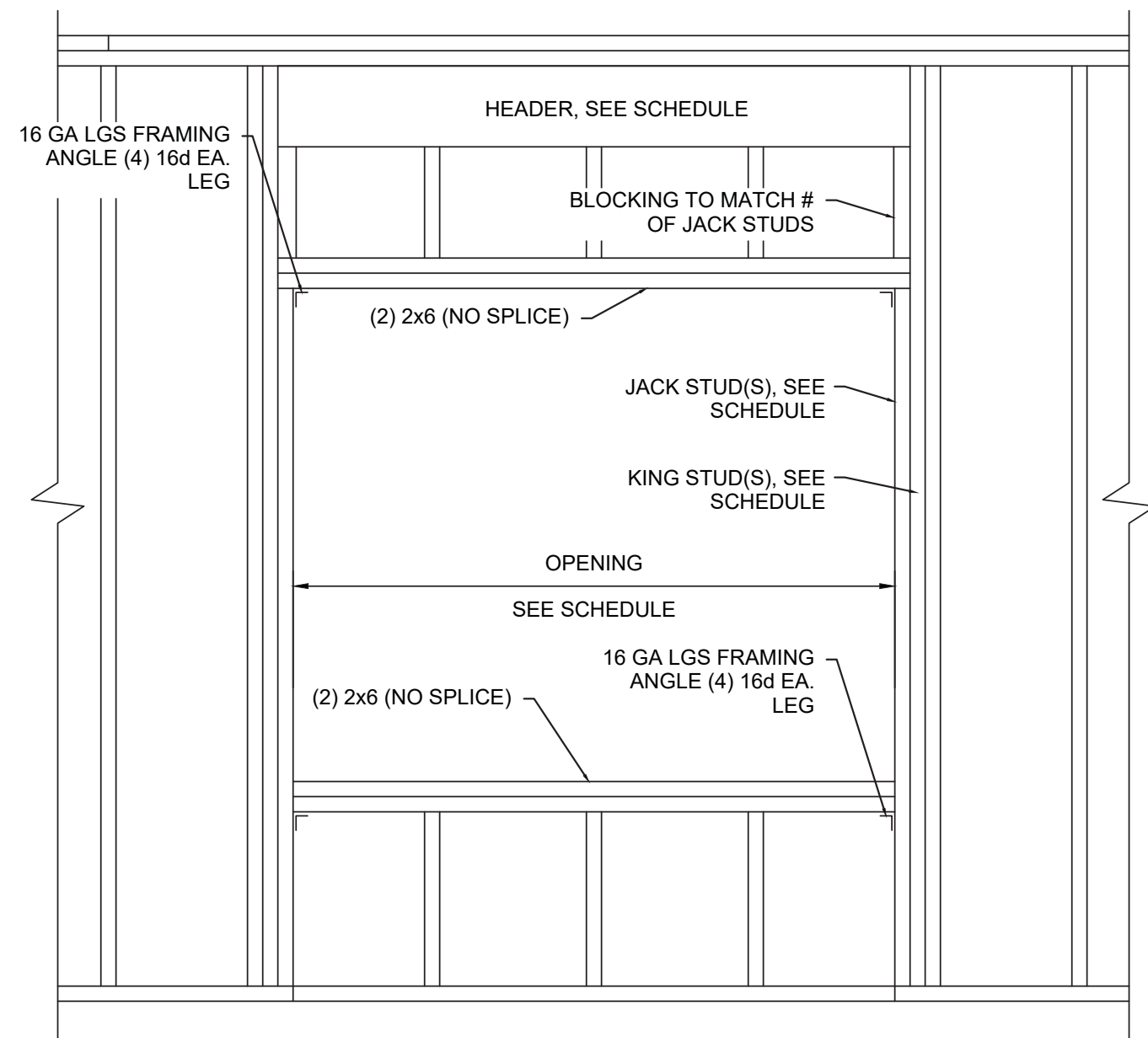
NOTE: SQUASH BLOCK ARE REQUIRED, BETWEEN FLOORS, TRIPLE, OR QUADRUPLE STUDS.

POST SCHEDULE

POST	POST SIZE
P1	(3) 2x6 No. 2 SP **
P2	(3) 2x4 No. 2 SP **
P3	HSS 4x4x5/16

** SQUASH BLOCKS (SAME SIZE, QUANTITY, AND MATERIAL AS POST ABOVE) REQUIRED, BETWEEN FLOORS, DIRECTLY BELOW POST ABOVE (NOTE: SHIM SOLID TO BEARING AT ALL GAPS).

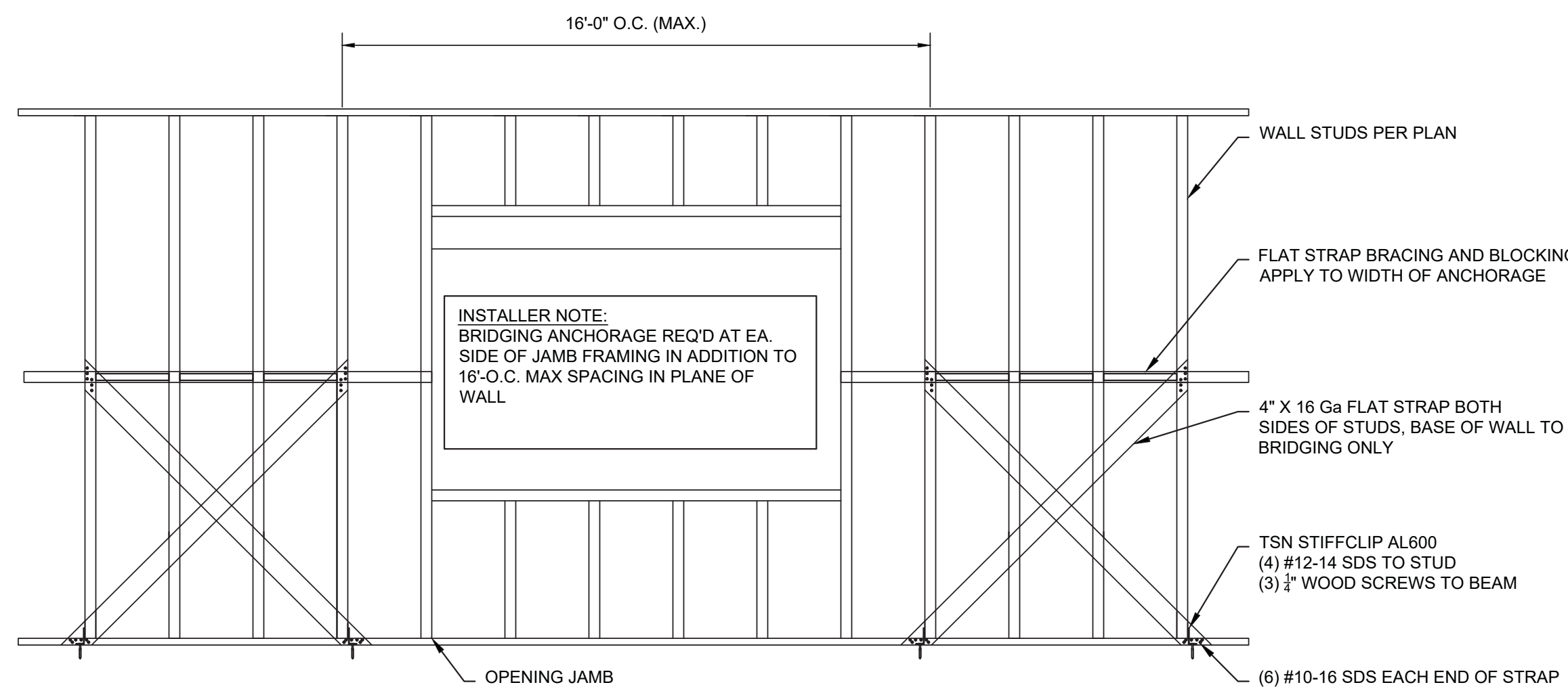
*** NOTE: HSS COLUMN CANNOT BEAR ON LVL PLATES (OR ANY WOOD). HSS COLUMN MUST EXTEND DOWN THROUGH THE FLOOR SYSTEM TO BEAR ON HSS COLUMN OR STEEL PLATE.



HEADER JACK STUD & KING STUD SCHEDULE

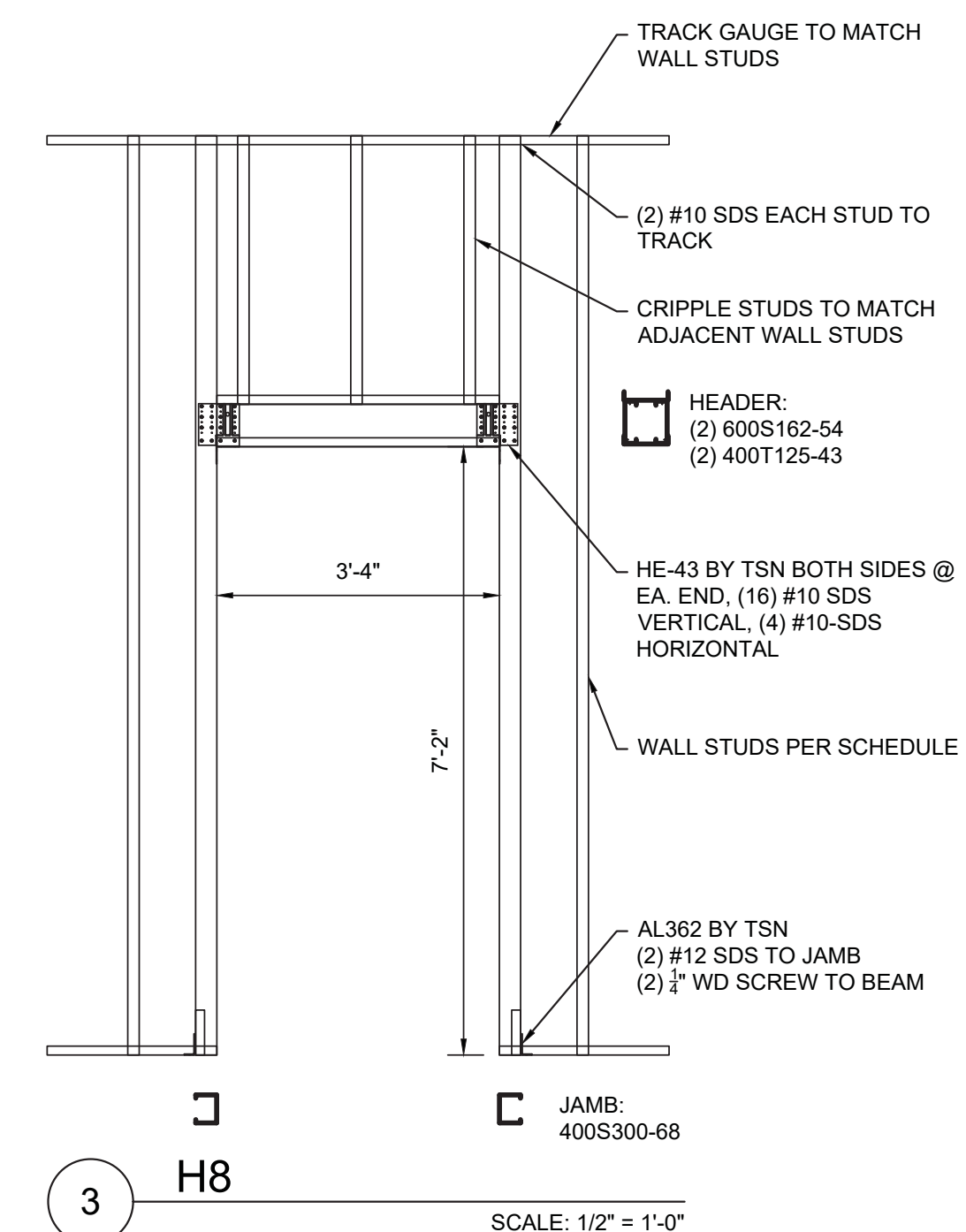
Header Mark	Max. Opening	Header Size	# Jacks	# Kings
			Members	Members
H1	3'-4"	(2) 2X10	(1) 2X4	(1) 2X4
H2	3'-4"	(3) 2X10	(1) 2X6	(1) 2X6
H3	6'-0"	(3) 2X10	(1) 2X6	(3) 2X6
H4	3'-4"	(3) 2X10	(1) 2X6	(2) 2X6
H5	6'-0"	(3) 1.75" X 9.25" LVL	(2) 2X6	(3) 2X6
H6	6'-0"	(3) 2X12	(1) 2X6	(3) 2X6
H7	8'-11"	(3) 1.75" X 9.25" LVL	(1) 2X6	(3) 2X6
H8	3'-4"		SEE DETAIL 3/SS.1	

1 HEADER SCHEDULE



2 FLAT STRAP BRIDGING ANCHORAGE

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



3 H8

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



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Project Name

Sheet Title

SCHEDULES

DESIGNED BY: DLR

DRAWN BY: CBA

APPROVED BY: DLR

PROJECT #: 19-018

DATE: 11/15/2019

No.	Revision	Date
1	-	1/10/2020
2	-	4/07/2020

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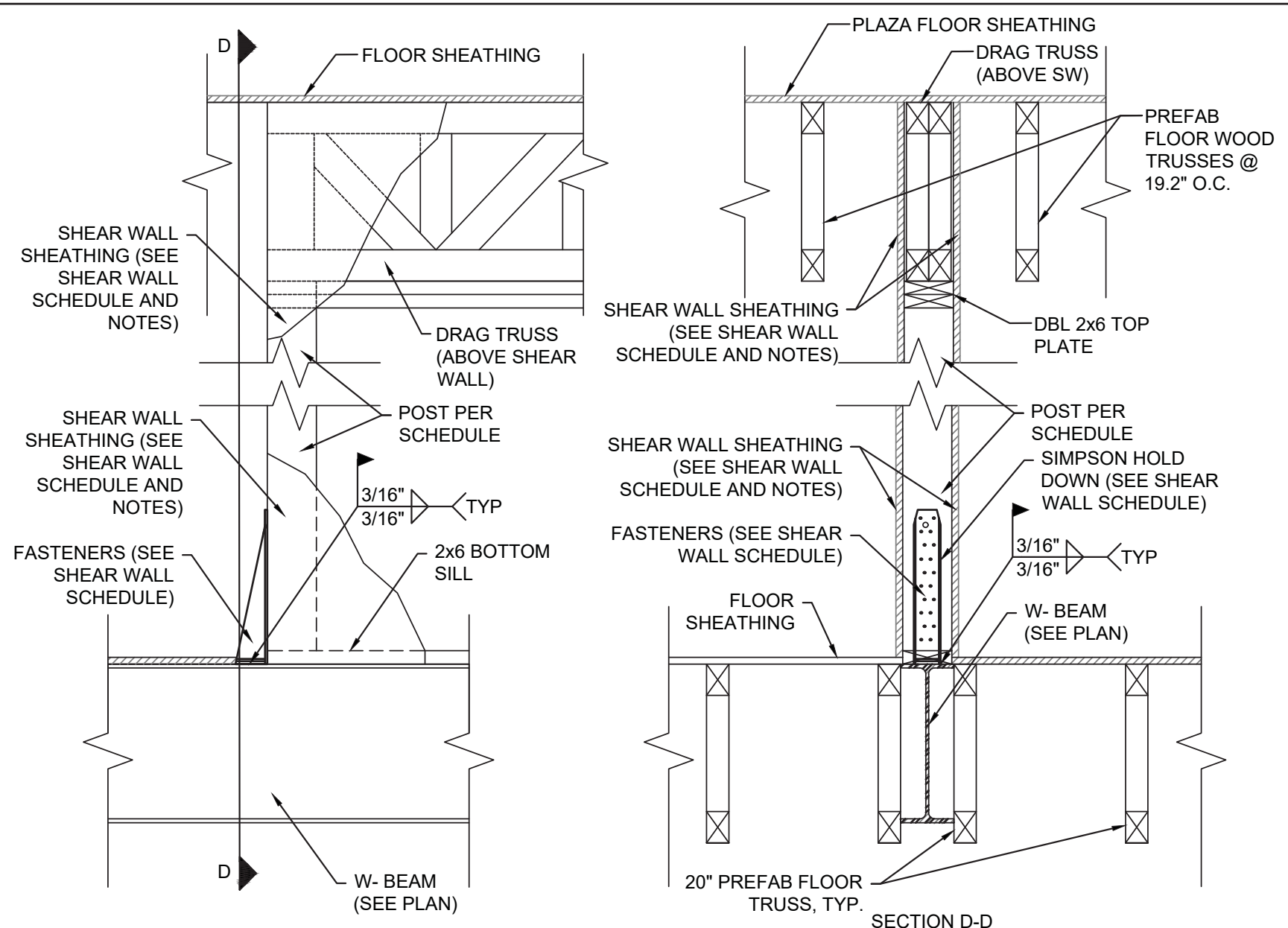
S5.1

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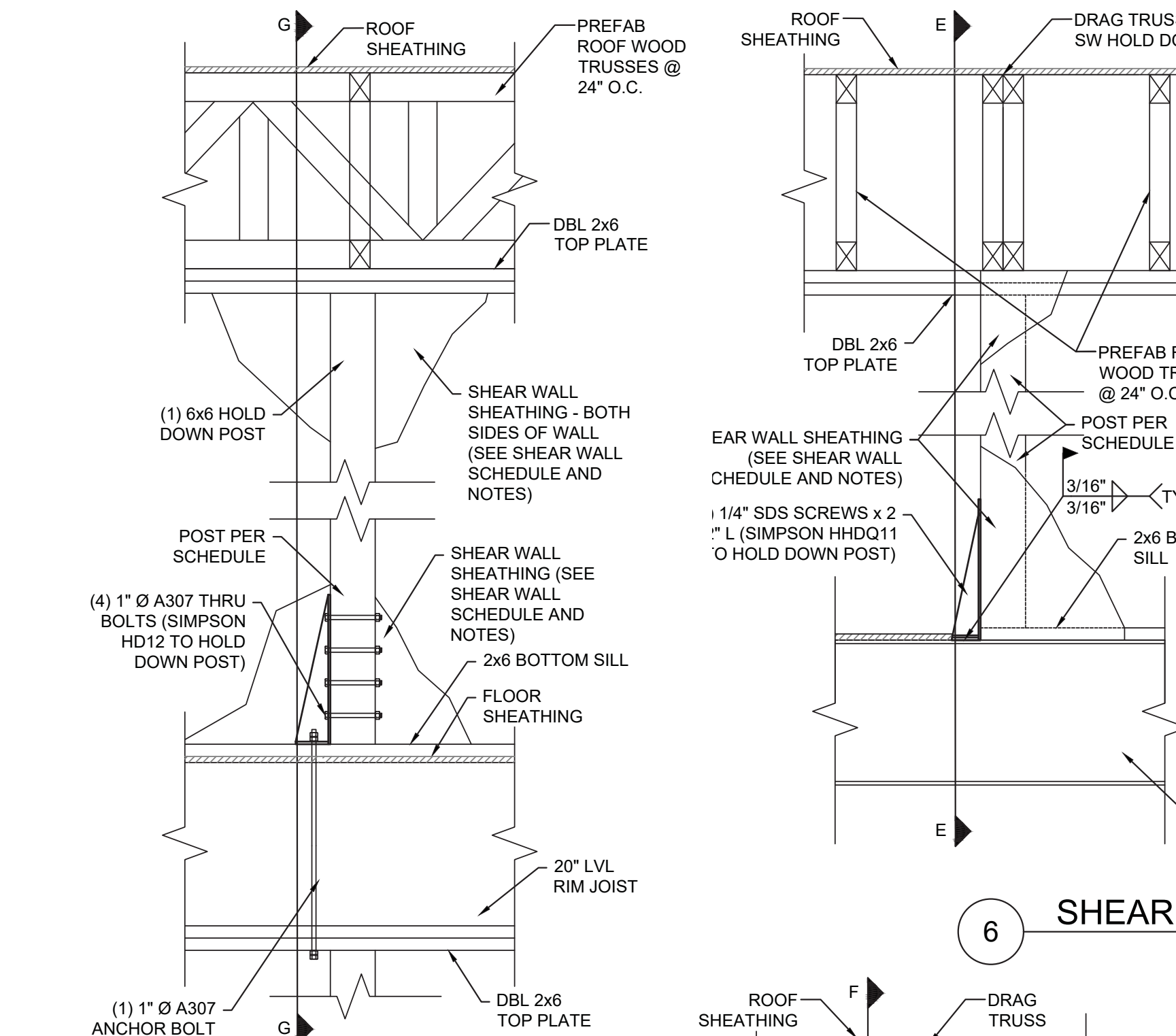
DESIGNED BY:	DLR	
DRAWN BY:	CBA	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
2	-	4/07/2020

SHEAR WALL #	LAYERS OF SHEATHING	NAIL (SCREW) SPACING		HOLDDOWN		HOLDDOWN POST # OF STUDS	SILL PLATE ANCHORS		DETAIL NOTE REFERENCE
		EDGE	FIELD	SIZE / DESIGNATION	FASTENERS (TOTAL)		SIZE	SPACING	
SW1-A	1	8d/ 6"oc	8d/ 12"oc	16 Ga., 3" x 42" STRAP	(48) 16d COMMON NAILS	(3) 2x6	10d COMMON NAILS	(2)@4"	2 / S5.1
SW1-B	1	8d/ 6"oc	8d/ 12"oc	16 Ga., 3" x 42" STRAP	(48) 16d COMMON NAILS	(3) 2x4	10d COMMON NAILS	(2)@4"	2 / S5.1
SW1-C	1	#8 SDS/ 6"oc	#8 SDS/ 12"oc	16 Ga., 3" x 42" STRAP	(24) #10 SDS (24) 16d COMMON NAILS	(2) 400S250-43	10d COMMON NAILS	(2)@4"	2 / S5.1
SW2	1	8d/ 4"oc	8d/ 12"oc	SIMPSON HST3 OR EQUIV.	(6) 3/4" Ø A307 BOLTS	(1) 6x6	10d COMMON NAILS	(2)@4"	3 / S5.1
SW3	1	8d/ 3"oc	8d/ 12"oc	SIMPSON HST3 OR EQUIV.	(6) 3/4" Ø A307 BOLTS	(1) 6x6	10d COMMON NAILS	(2)@4"	4 / S5.1
SW4	2	8d/ 3"oc	8d/ 12"oc	SIMPSON HHQ11-SDS2.5	(24) 1/4" SDS SCREWS	(1) 6x6	TBG SCREWS	(3)@3"	5 / S5.1
SW5	1	8d/ 6"oc	8d/ 12"oc	SIMPSON HHQ11-SDS2.5	(24) 1/4" SDS SCREWS	(1) 6x6	TBG SCREWS	(2)@4"	6 / S5.1
SW6	2	8d/ 3"oc	8d/ 12"oc	SIMPSON HHQ14-SDS2.5	(30) 1/4" SDS SCREWS	(1) 4x6	TBG SCREWS	(2)@4"	5 / S5.1
SW7	1	8d/ 6"oc	8d/ 12"oc	SIMPSON HD3B	(2) 5/8" Ø A307 BOLTS	(1) 6x6	10d COMMON NAILS	(2)@4"	7 / S5.2
SW8	1	8d/ 4"oc	8d/ 12"oc	SIMPSON HDSB	(2) 3/4" Ø A307 BOLTS	(1) 4x6	10d COMMON NAILS	(2)@4"	7 / S5.2
SW9	2	8d/ 3"oc	8d/ 12"oc	SIMPSON HD12	(4) 1" Ø A307 BOLTS	(1) 6x6	10d COMMON NAILS	(3)@3"	8 / S5.2

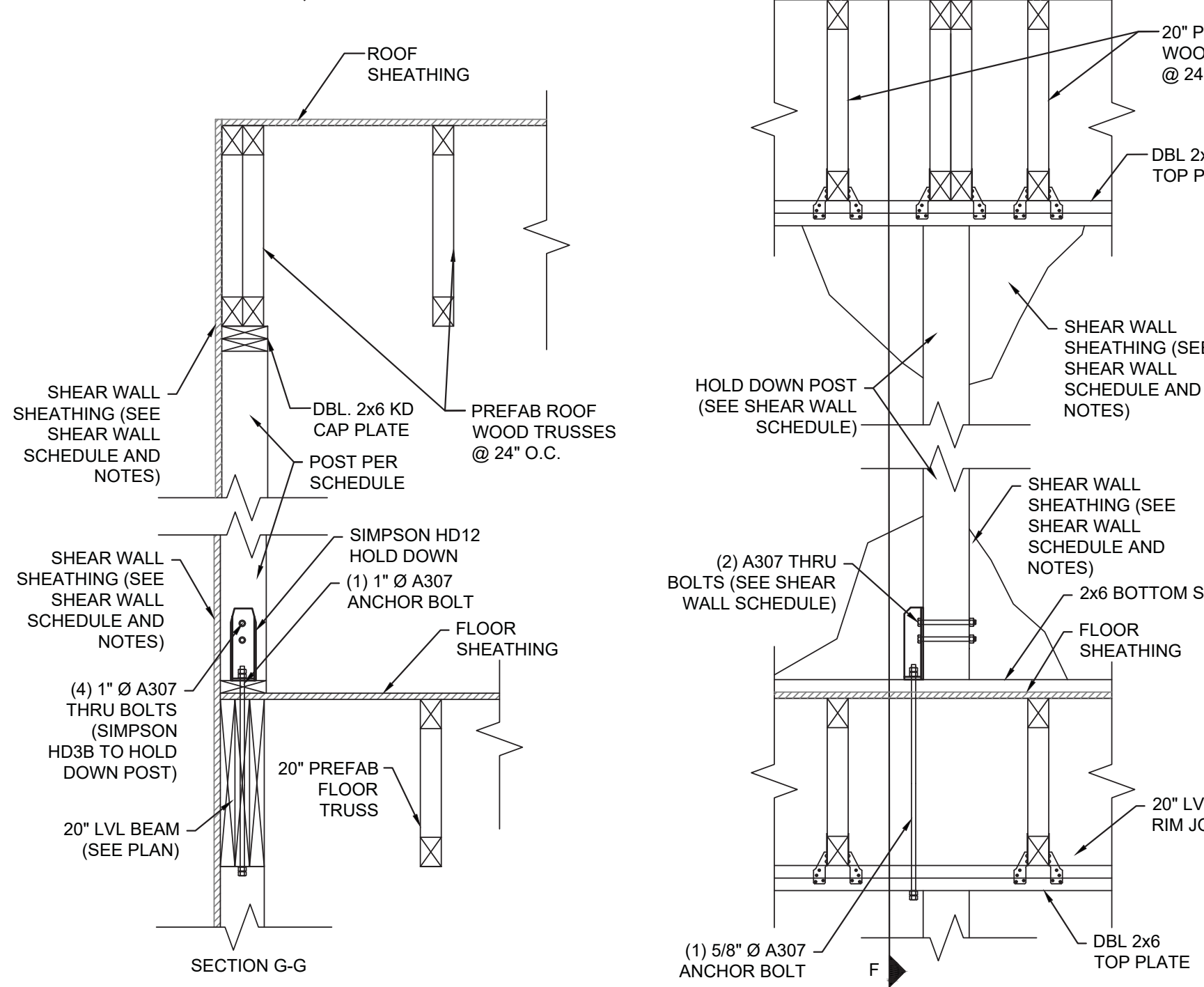
- NOTES:**
- ALL SHEATHING SHALL BE 15/32" THICK APA 32/16 STRUCTURAL 1 SPAN RATED OSB OR PLYWOOD. AT DOUBLE SIDED SHEARWALLS SHEATHING SHALL BE APPLIED TO BOTH FACES (ONE LAYER EACH SIDE OF WALL).
 - ALL SHEATHING MUST BE INSTALLED HORIZONTALLY WITH THE LONG DIMENSION ACROSS THE STUDS.
 - WALLS ON ELEVATED FLOORS ARE TO HAVE SPECIFIED HOLDDOWNS INSTALLED AT BOTH THE BASE OF REFERENCED WALL AS WELL AS AT THE HEAD OF THE WALL BELOW. HOLDDOWNS ARE TO BE CONNECTED WITH THREADED ROD BETWEEN FLOORS AS NOTED.
 - DRILL & SET ALL HOLDDOWN ANCHORS W/ HILTI RE-500 EPOXY.
 - NAIL SHEATHING TO EACH HOLDDOWN STUD W/ SPECIFIED EDGE NAILING PATTERN.
 - NAIL SHEATHING TO EMBED PSL OR LVL COLUMNS WITH (3) ROWS OF SPECIFIED NAILS @ 3" O.C. STAGGERED.
 - WHERE STEEL COLUMNS ARE EMBEDDED IN SHEARWALLS, PROVIDE (2) FULL HEIGHT STUDS EACH SIDE OF COLUMN AND THRU BOLT WITH 1/2" DIA. BOLTS AT 12" O.C. VERTICALLY.
 - ALL HOLDDOWNS MUST ALIGN FLOOR TO FLOOR AS DETAILED.



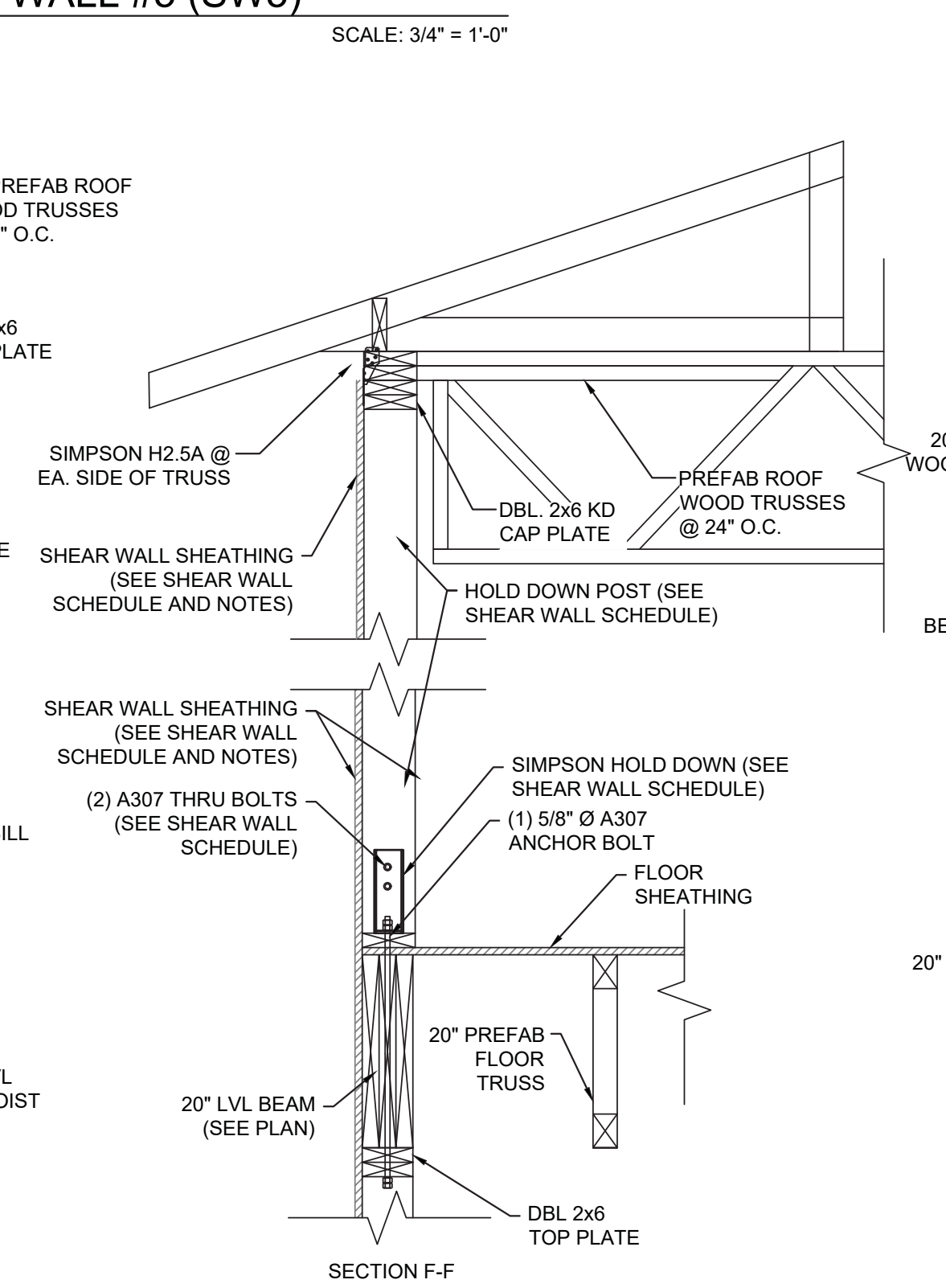
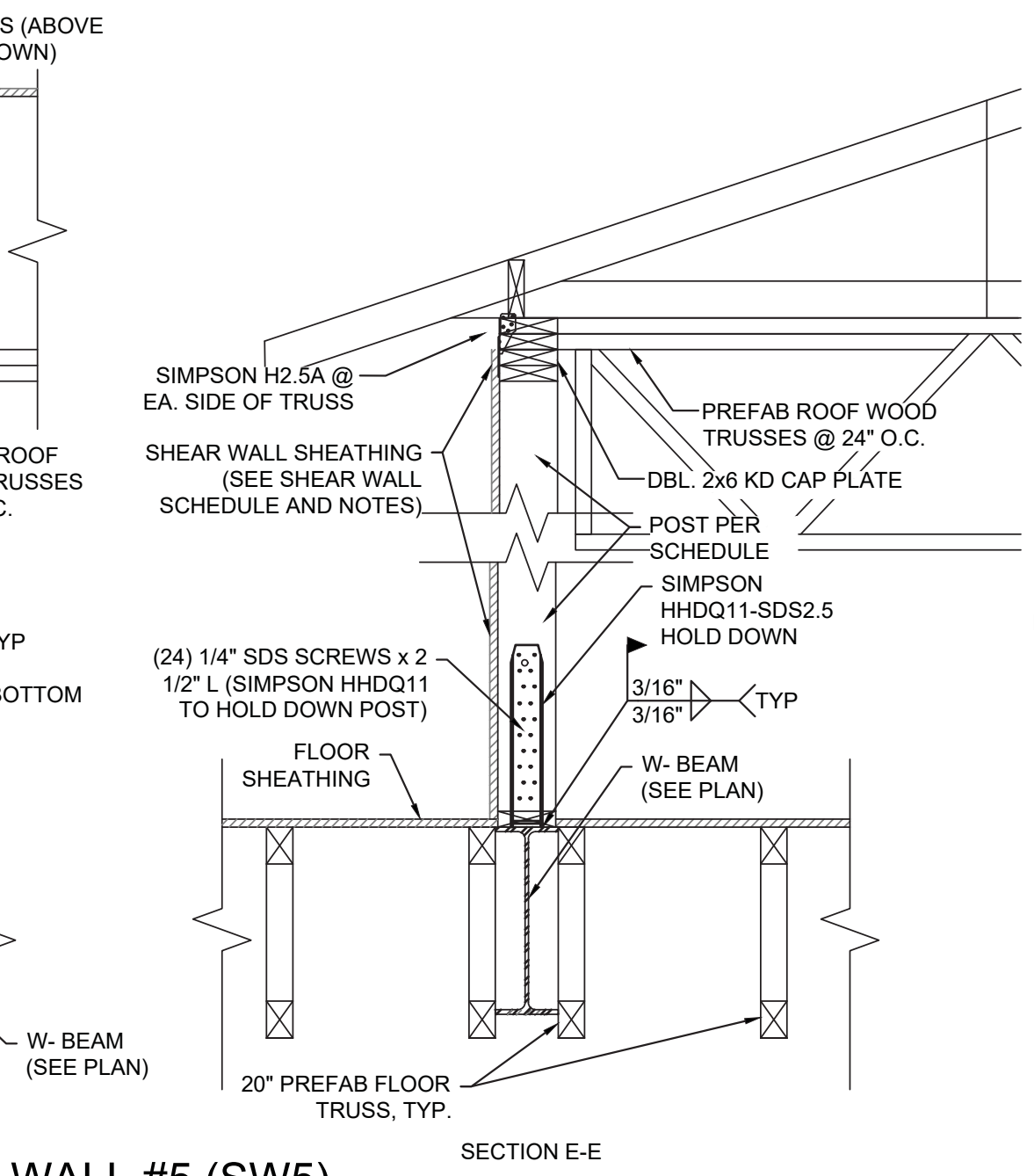
5 SHEAR WALL #4 & #6 (SW4 & SW6)
SCALE: 3/4" = 1'-0"



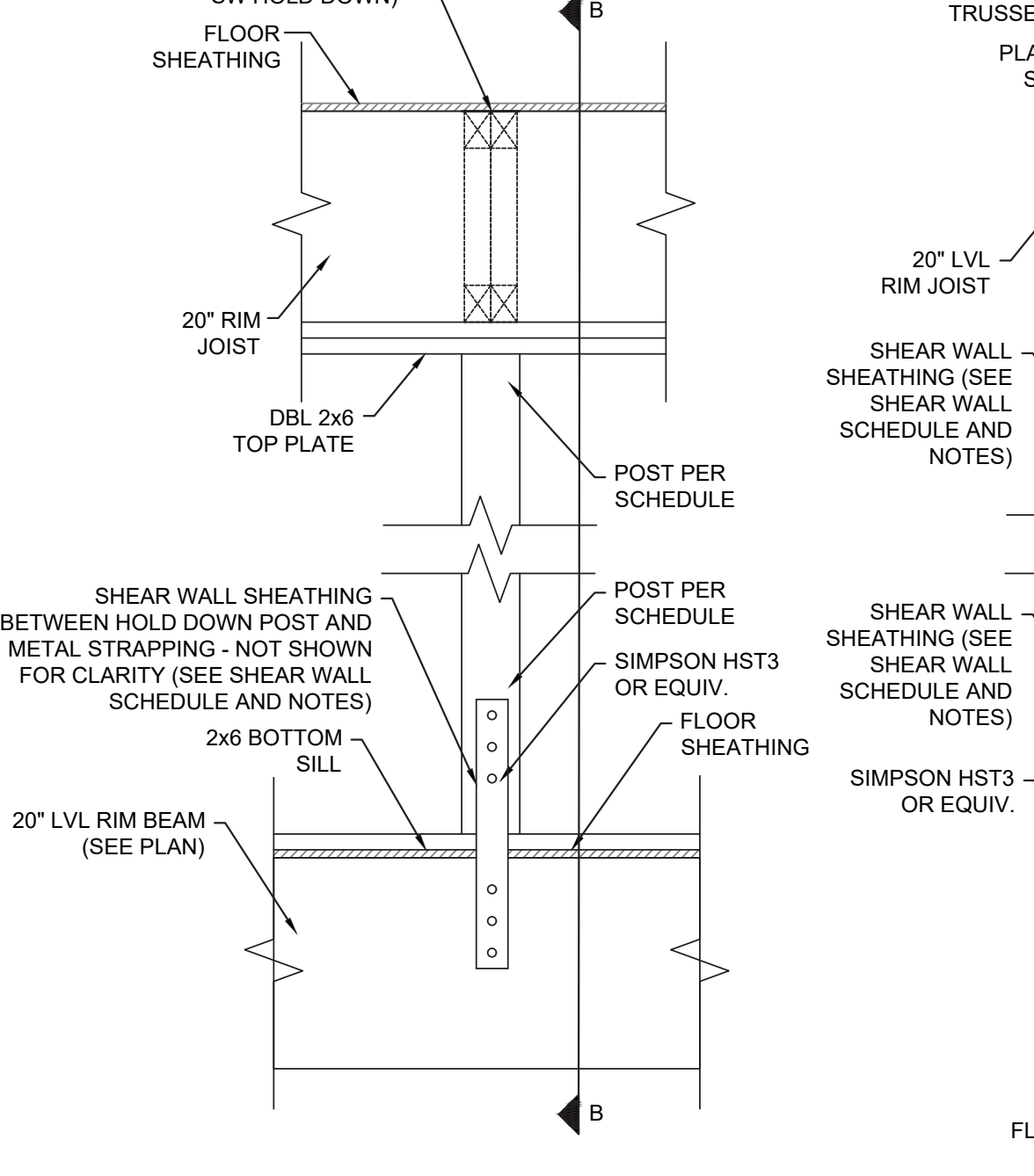
6 SHEAR WALL #5 (SW5)
SCALE: 3/4" = 1'-0"



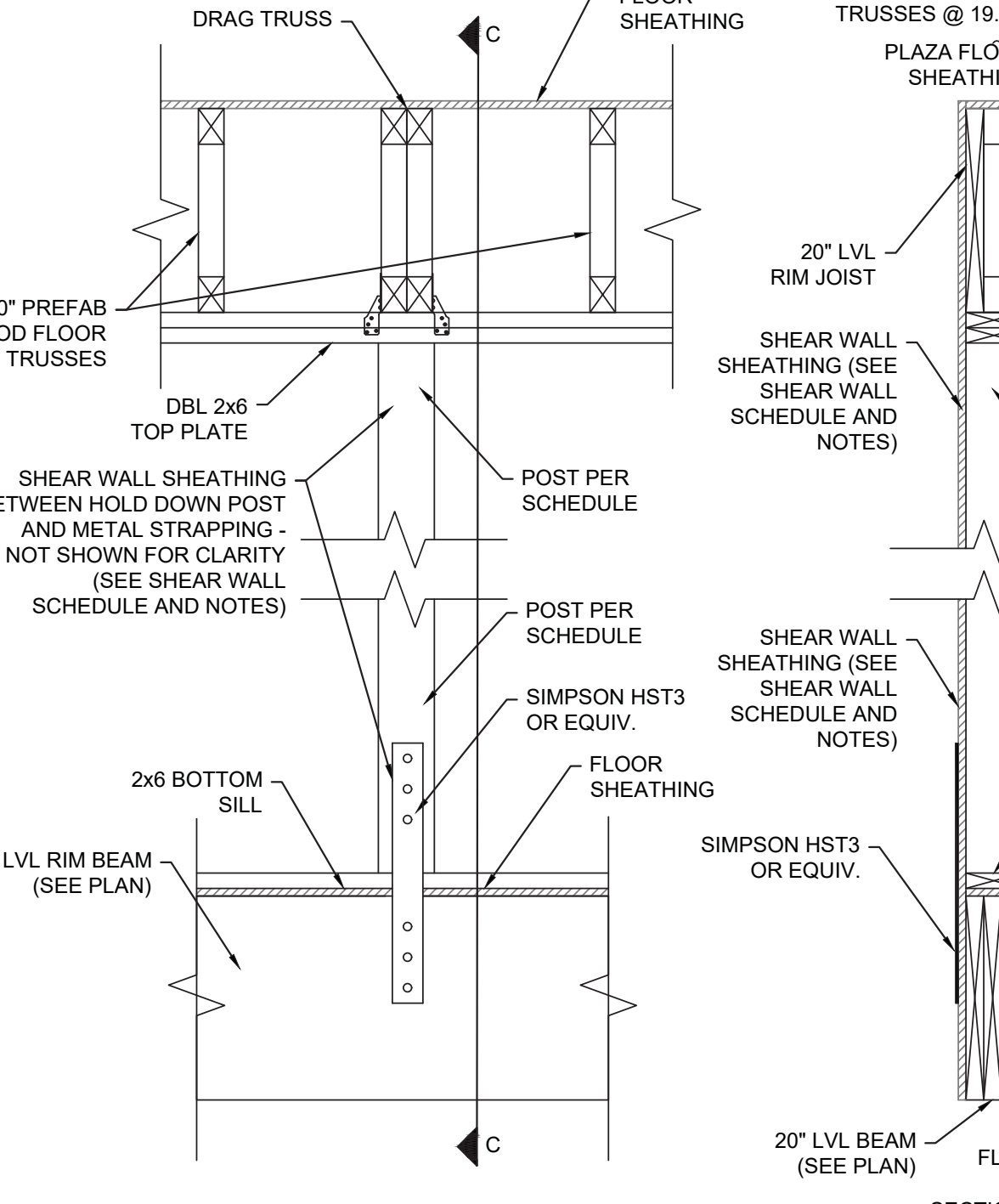
8 SHEAR WALL #9 (SW9)
SCALE: 3/4" = 1'-0"



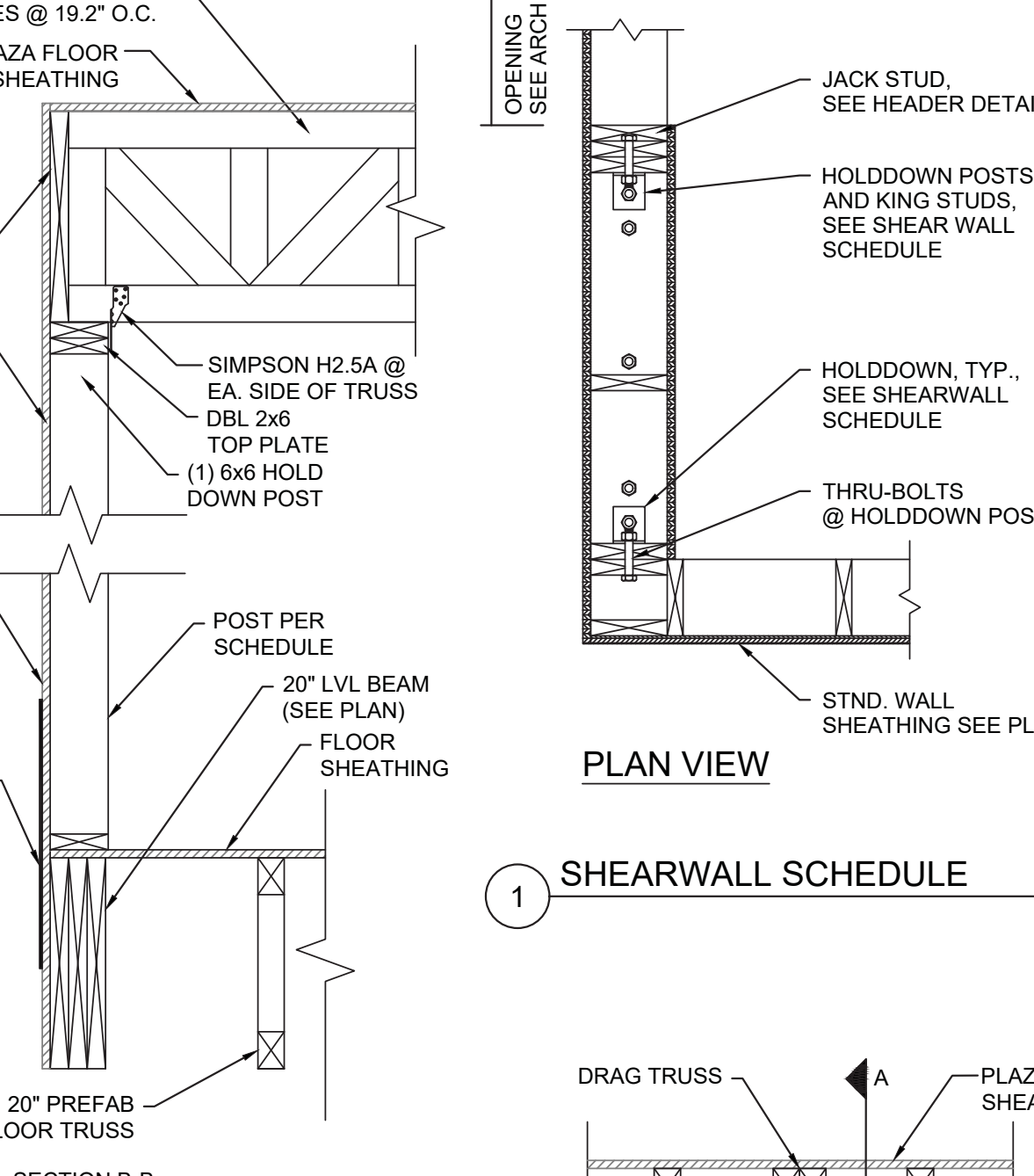
7 SHEAR WALL #7 & #8 (SW7 & SW8)
SCALE: 3/4" = 1'-0"



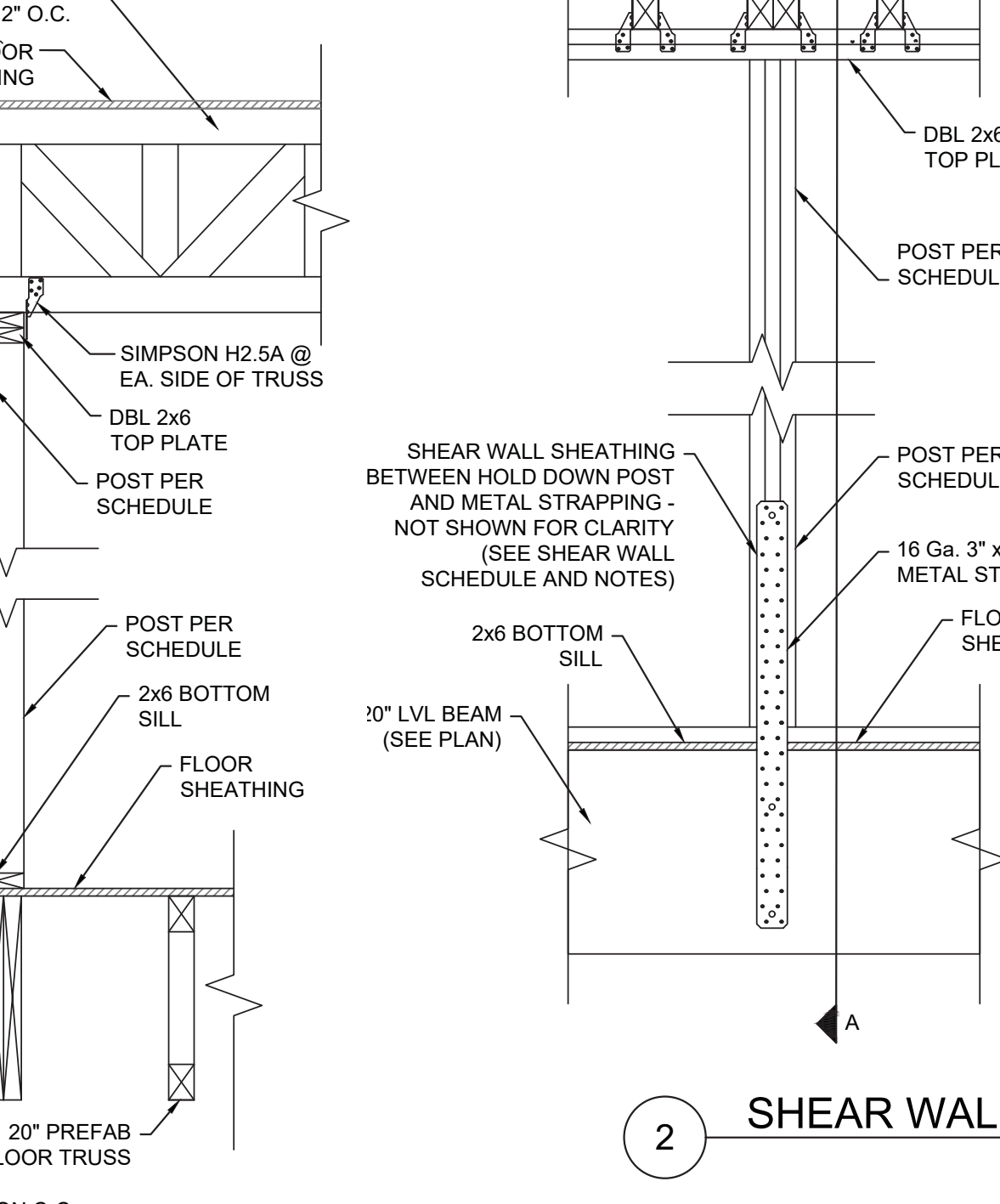
3 SHEAR WALL #2 (SW2)
SCALE: 3/4" = 1'-0"



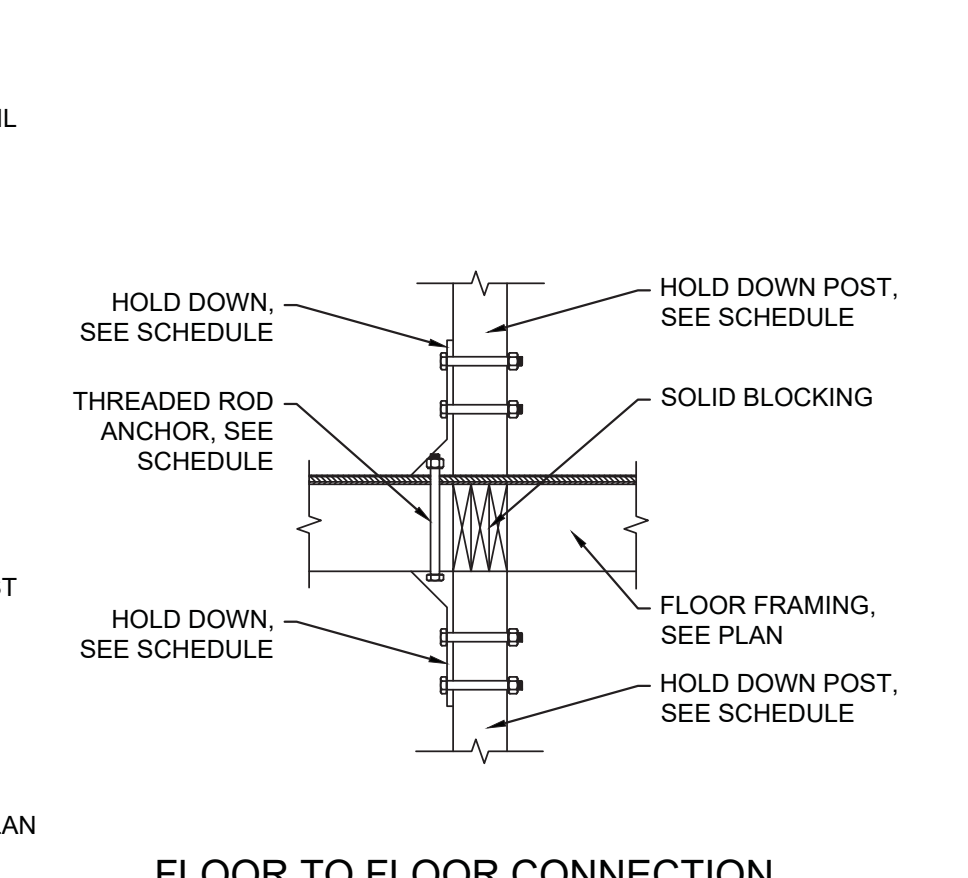
4 SHEAR WALL #3 (SW3)
SCALE: 3/4" = 1'-0"



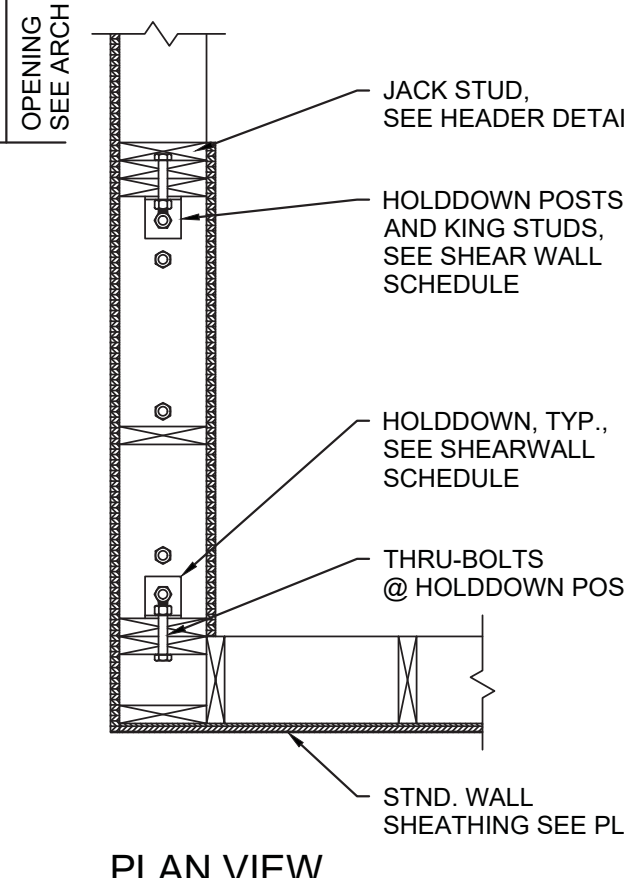
1 SHEARWALL SCHEDULE
SCALE: 3/4" = 1'-0"



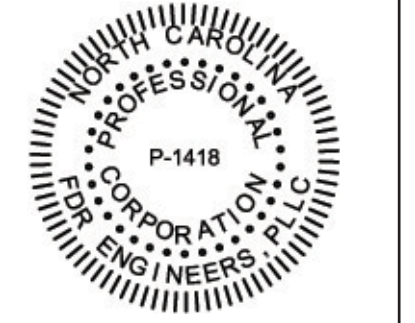
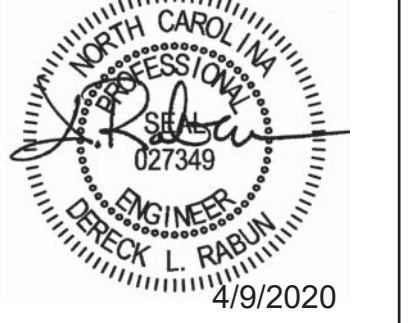
2 SHEAR WALL #1 (SW1)
SCALE: 3/4" = 1'-0"



FLOOR TO FLOOR CONNECTION



PLAN VIEW



ICE HOUSE RESTAURANT
FRONT ST. & MOORE ST.
SWANSBORO, NC 28584

Project Name

PILE AND COLUMN
SCHEDULE
COLUMN BASE DETAILS

Sheet Title

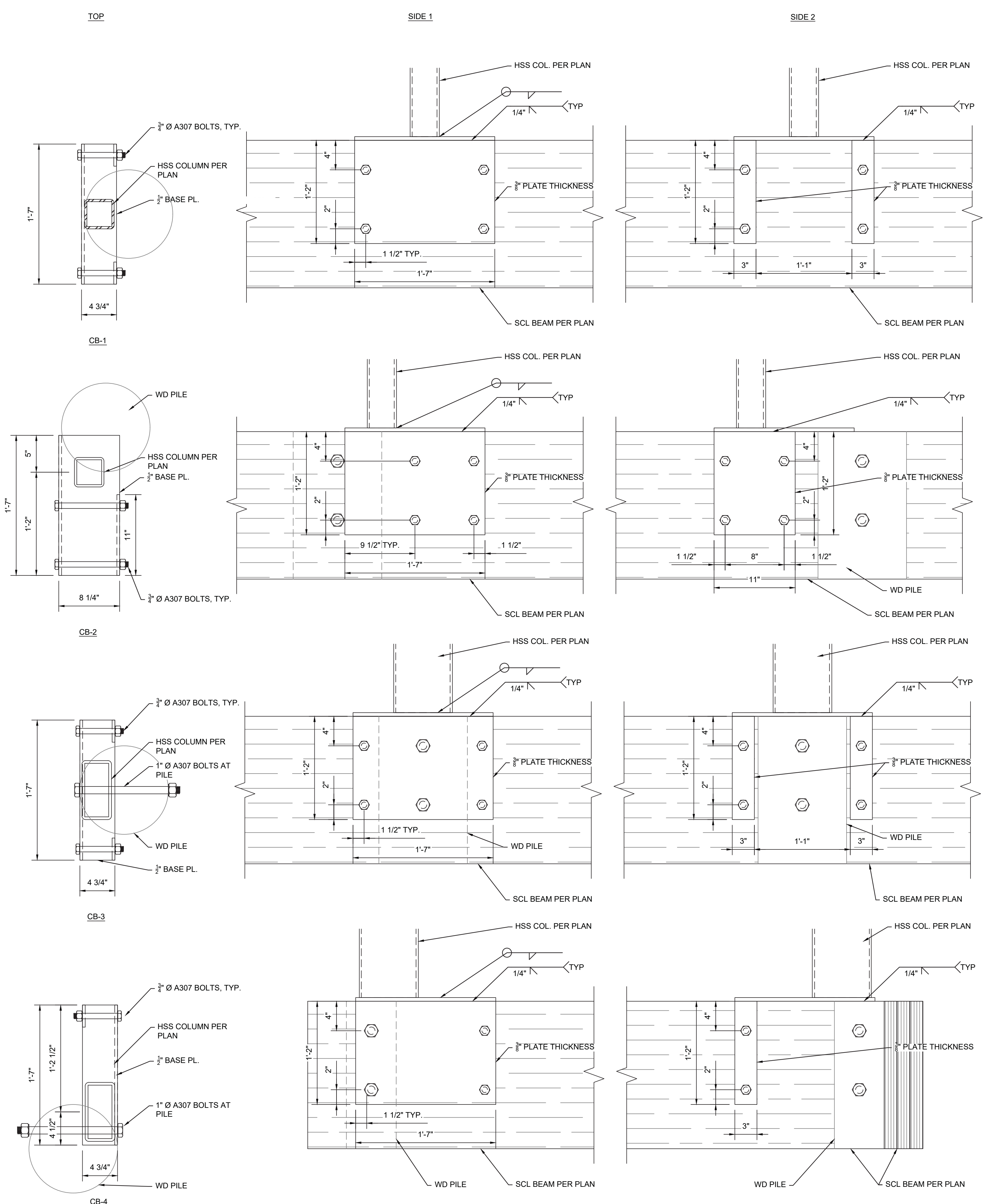
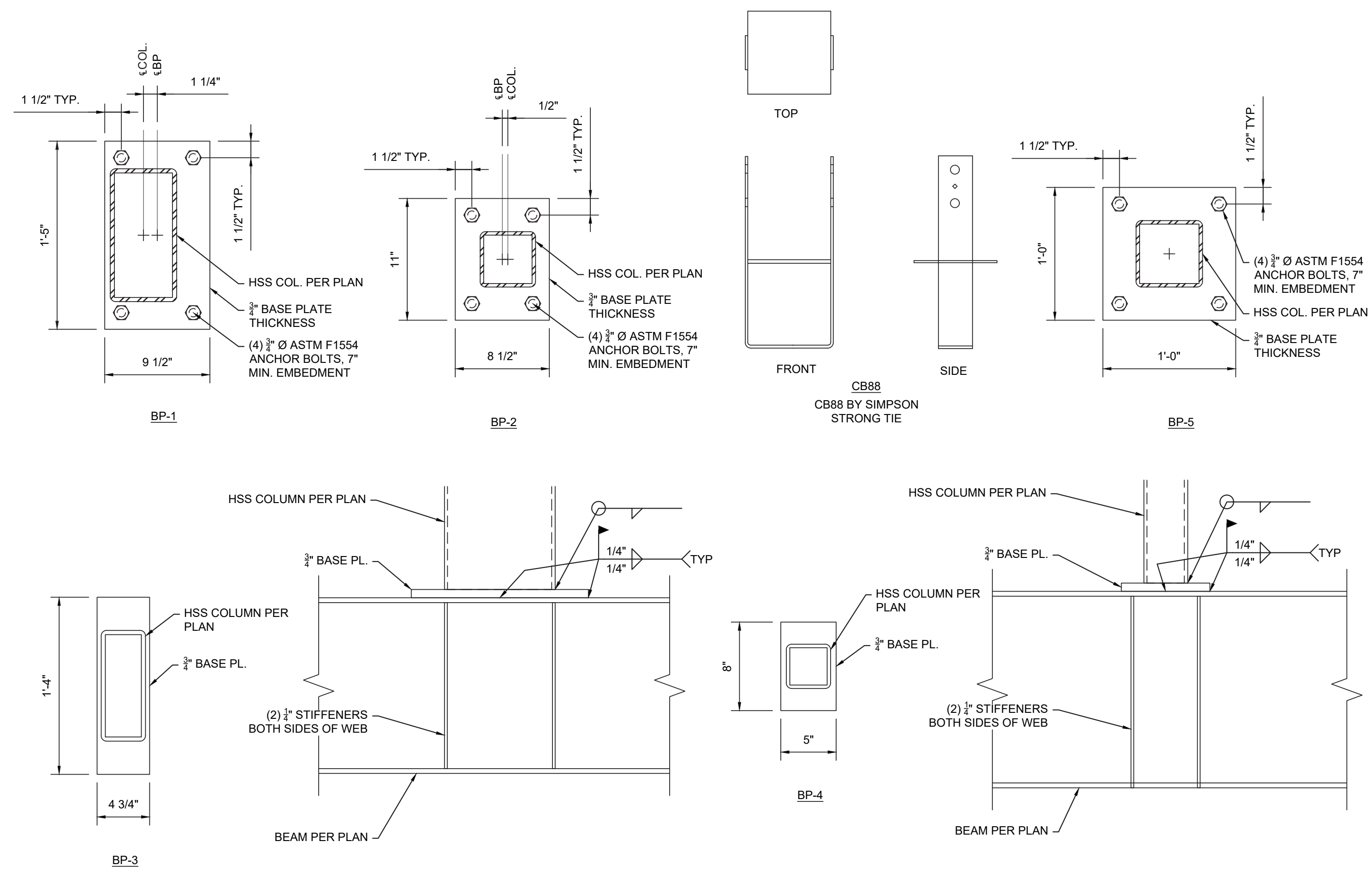
DESIGNED BY:	DLR	
DRAWN BY:	CBA	
APPROVED BY:	DLR	
PROJECT #:	19-018	
DATE:	11/15/2019	
No.	Revision	Date
1	-	1/10/2020
2	-	4/07/2020

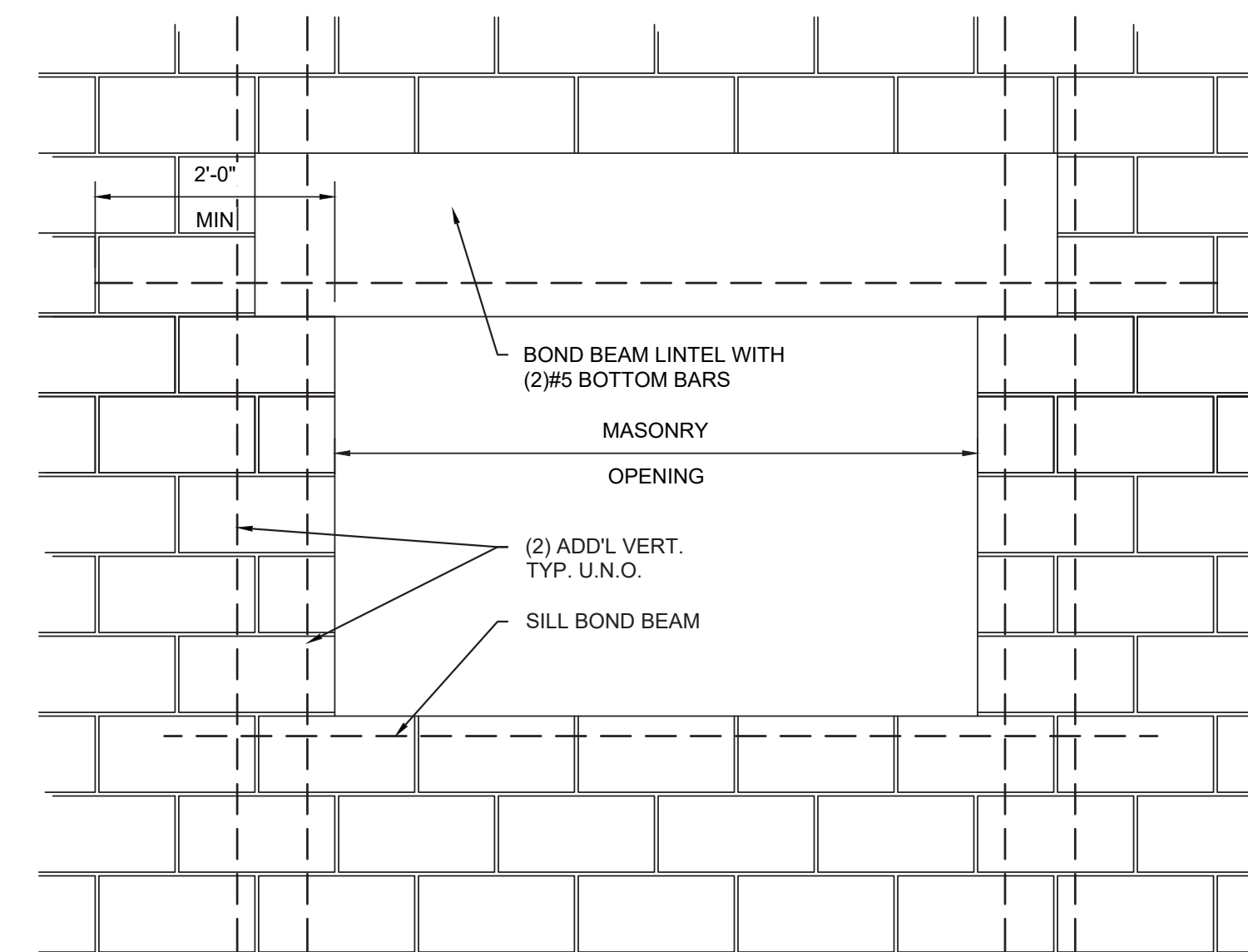
Sheet

S5.3

Ownership of Instruments of Service: All reports, plans, specifications, computer files, field data, notes and instruments prepared by the design professional as instruments of service shall remain the property of the design professional. All common law, statutory and other reserved rights including the copyright therein.

LEVEL/ELEVATION	GRID LOCATION							
	1-E,2, 1-F,3, 1-G,4, 1-J, 1-K, 1-L, 1-M, 1-N, 2-J, 2-K, 2-L, 2-M, 2-N, 3-G, 3-G,6, 3-J, 4-H, 4-K, 4-L, 4-M, 4-N, 6-K, 6-L, 6-L,6, 7-K, 7-L, 7-L,6, 8-F, 8-K, 8-L, 8-L,6, 6-N, 7-N, 8-N	7-F, 7-G, 7-H	3-A, 3-B, 5-A, 5-9-A, 6-C, 6-E, 6-9-A, 7-E, 8-A	1,3-D,1,8-D, 3-C, 3-D, 4-D, 6-B, 8-B, 8-C, 8-E	1,2-B,3	1,1-D	(5) LOCATIONS (SEE PLAN)	1,6-A,8
40'-6 1/8" ROOF 2								
38'-4 1/8" ROOF 1								
27'-4 1/8" PLAZAROOF								
16'-9 3/8" MAIN FLOOR								
4'-11 5/8" FFE								
3'-5 5/8" G.B.								
0'-11 5/8" T.O.F./G.B.								
0'-0" SEA LEVEL								
-6'-0" (FIELD VERIFY) MUDLINE								
38'-0" 30 FT. EMBEDMENT								
48'-0" 40 FT. EMBEDMENT								

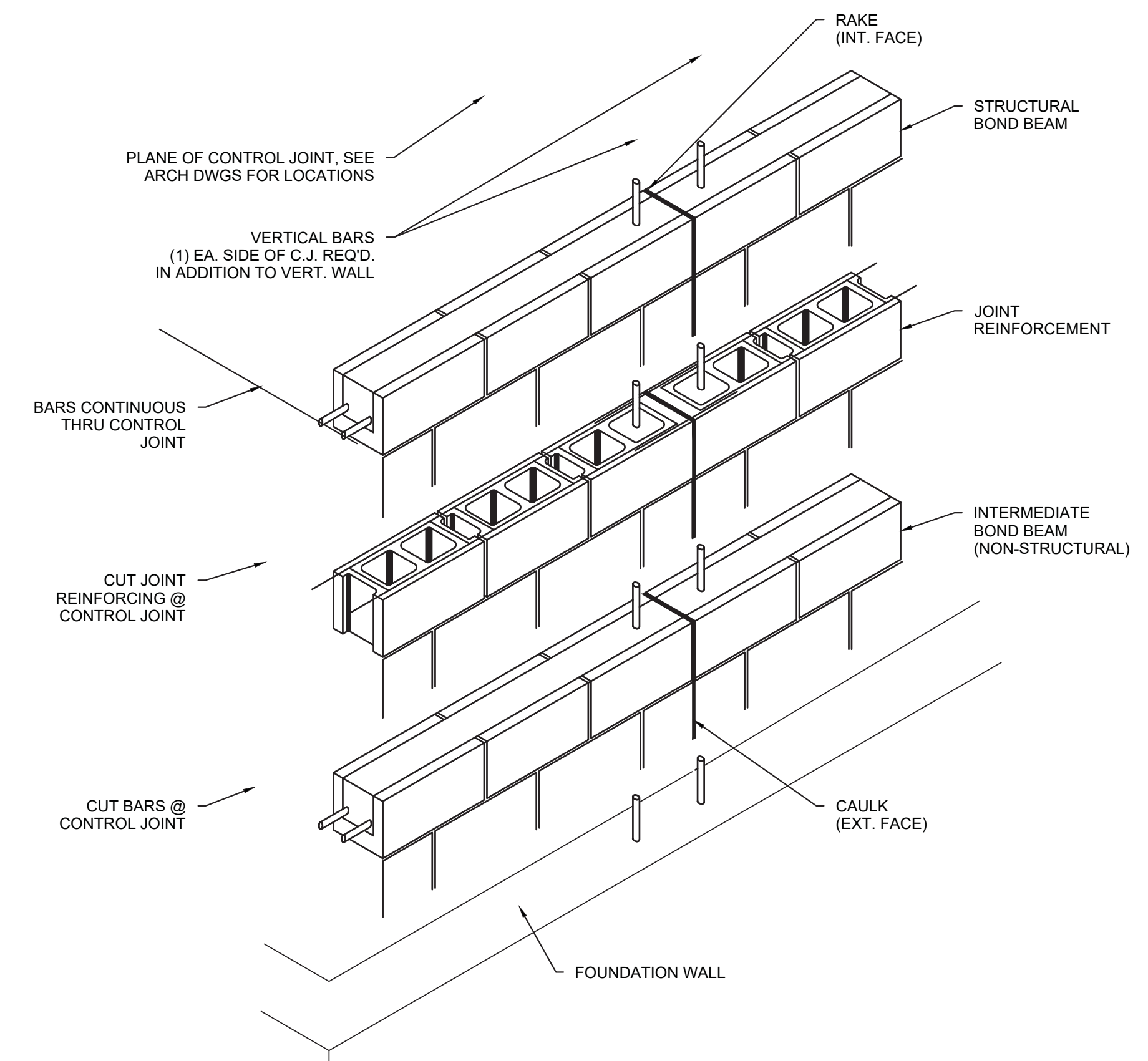




- NOTES:
1. EXTEND JAMB FULL HEIGHT REINF. 6" INTO ROOF FRAMING BOND BEAM.
2. PROVIDE (1) DOWEL BAR FROM FOUNDATION AT JAMB.
3. ALL CMU LINTELS SHALL BE 16" BOND BEAM WITH (2) #5 HORIZONTAL REBAR

8 TYP CMU OPENING

SCALE 3/4" = 1'-0"

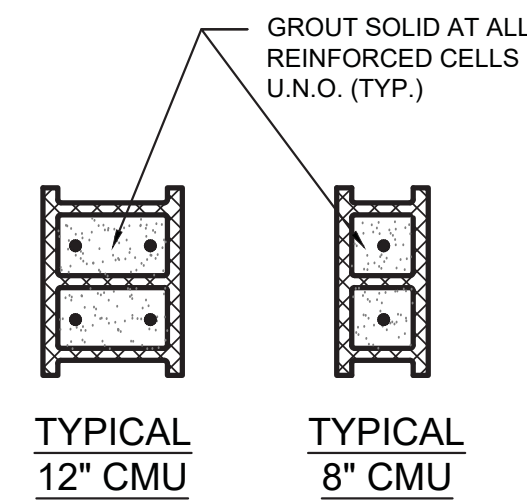


9 TYP CMU CONTROL JOINT

- 1 SHEET REVISED 1/10/2020
- 2 SHEET REVISED 4/07/2020

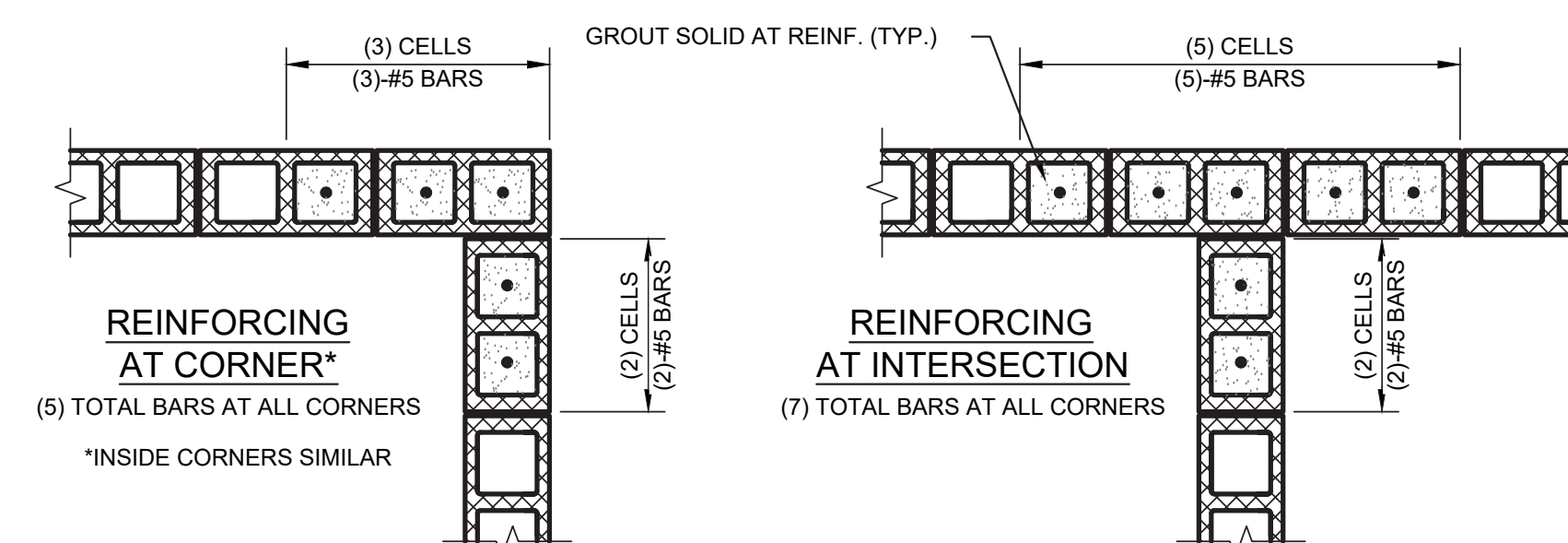
CMU WALL REINFORCING SCHEDULE			
APPLICATION	THICKNESS	VERT REINF	REMARKS
EXTERIOR WALLS	12" CMU	(2) #5 @ 32" O.C.	--

NOTES:
1. ALL MASONRY SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE.
2. LAP SPLICES A MINIMUM OF 48 BAR DIAMETERS.
3. PROVIDE DUR-O-WALL (OR EQUAL) LADDER OR TRUSS HORIZONTAL JOINT REINFORCEMENT AT EACH SECOND COURSE IN RUNNING BOND, AND EACH COURSE IN STACKED BOND, UNLESS NOTED OTHERWISE. DISCONTINUE HORIZONTAL JOINT REINFORCEMENT AT CONTROL JOINTS.
4. PROVIDE BOND BEAMS REINFORCED WITH (2) #5 BARS EVERY 6'-0" OF VERTICAL WALL, AT TOPS OF ALL MASONRY WALLS, AND WHERE SHOWN ON DRAWINGS. FIRST BOND BEAM MAY BE PLACED AT TOP OF DOOR OPENINGS, 8'-0" MAX. AT BOND BEAM CORNERS AND TEE JOINTS, PROVIDE BENT BARS TO MATCH QUANTITY AND BAR SIZE IN THE BOND BEAM. LAPS IN BOND BEAMS SHALL BE 48 BAR DIAMETERS OR A MINIMUM OF 2'-0", WHICHEVER IS GREATER.



5 CMU WALL REINFORCING SCHEDULE

SCALE 3/4" = 1'-0"

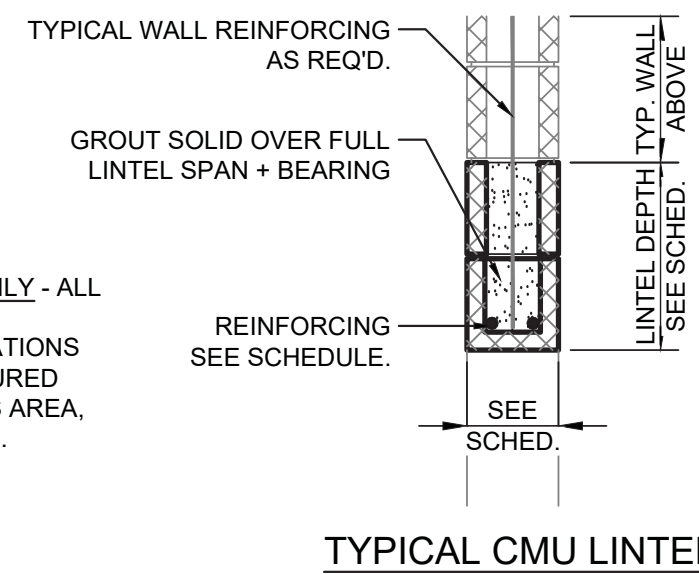


7 ADDITIONAL REINFORCING AT CORNERS AND INTERSECTIONS

SCALE 3/4" = 1'-0"

CMU LINTEL SCHEDULE			
MAX. OPENING	BLOCK SIZE	LINTEL DEPTH	REINFORCING
≤ 6'-4"	8"	16"	(2)#5 CONT.
≤ 4'-0"	8"	8"	(2)#5 CONT.

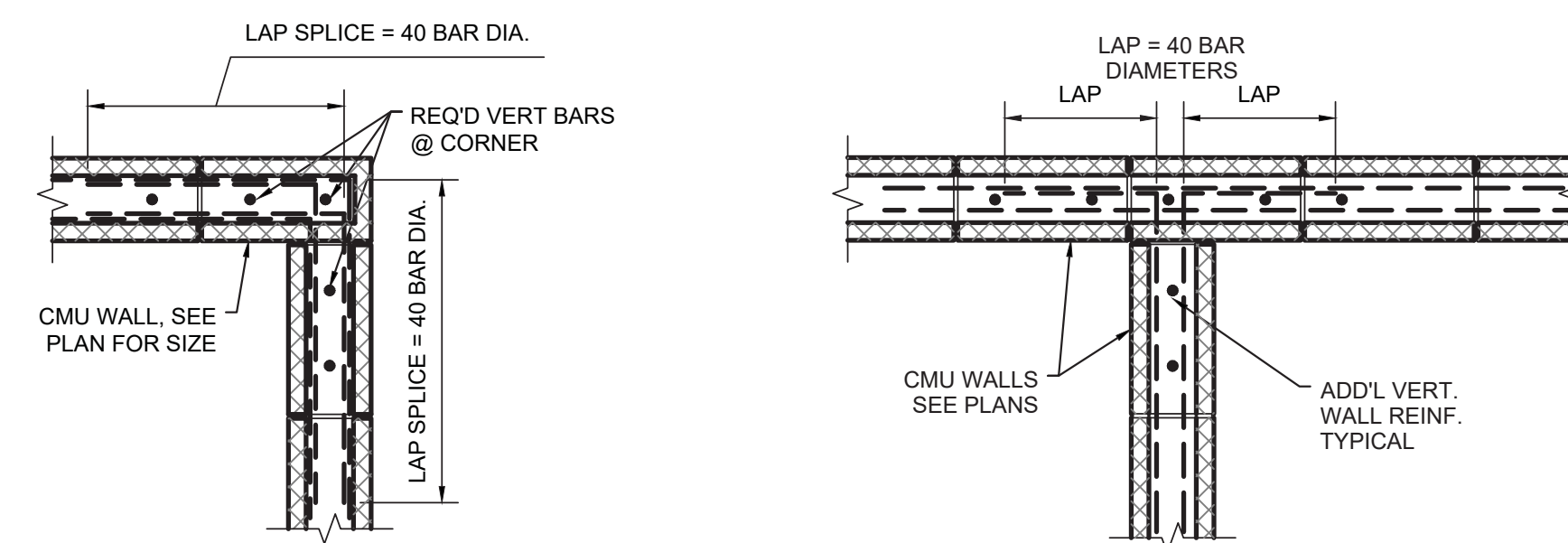
- NOTES:
1. CMU LINTELS ARE PERMITTED AT INTERIOR NON-LOAD BEARING WALLS ONLY - ALL OTHER WALLS ARE TO USE STEEL LINTELS AS DETAILED.
2. LINTEL DESIGN ASSUMES ARCHING ACTION OF BLOCK. NO WALL PENETRATIONS ARE PERMITTED WITHIN SPAN/2 OR 24", (WHICH EVER IS GREATER), MEASURED FROM TOP OF LINTEL. SHOULD PENETRATIONS BE REQUIRED WITHIN THIS AREA, A STEEL LINTEL BEAM IS TO BE SUBSTITUTED PER THE PROVIDED DETAILS.
3. CMU LINTEL BEAMS ARE TO BEAR 8" (MIN.) ON EITHER SIDE OF OPENING. HORIZONTAL REINFORCING IS TO BE CONTINUOUS OVER THE FULL SPAN + BEARING.
4. SEE DETAILS FOR TYPICAL JAMB REINFORCING.
5. REFER TO GENERAL REINFORCING NOTES FOR ADD'L. WALL CONSTRUCTION DETAILS.



TYPICAL CMU LINTEL

4 MASONRY LINTEL SCHEDULE

SCALE 3/4" = 1'-0"



6 TYP. BOND BEAM REINFORCING AT CORNERS AND INTERSECTIONS

SCALE 3/4" = 1'-0"

ICE HOUSE RESTAURANT
FRONT ST. & MOORE ST.
SWANSBORO, NC 28584

Project Name

SLAB ON GRADE DETAILS
TYPICAL CMU DETAILS

Sheet Title

DESIGNED BY:	DLR	
DRAWN BY:	CBA	
APPROVED BY:	DLR	
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Sheet

S5.4