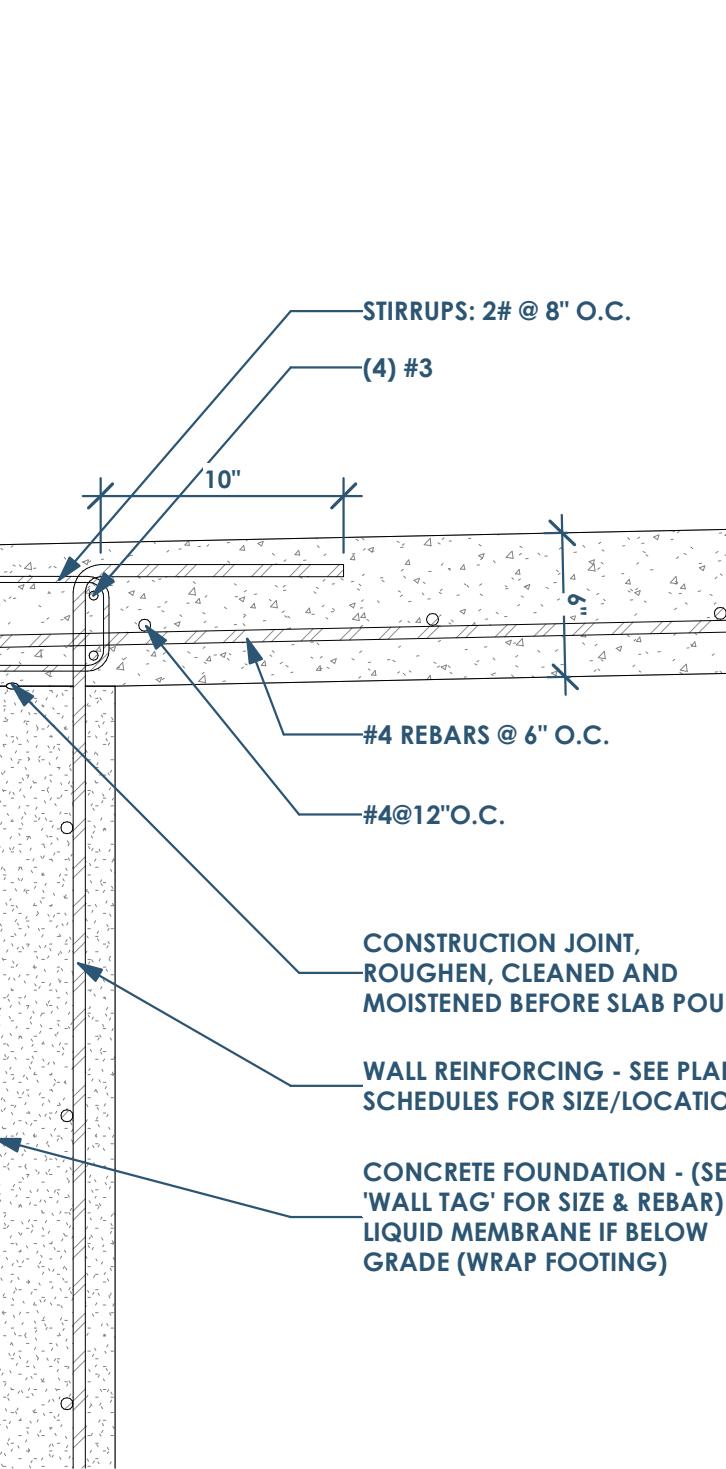


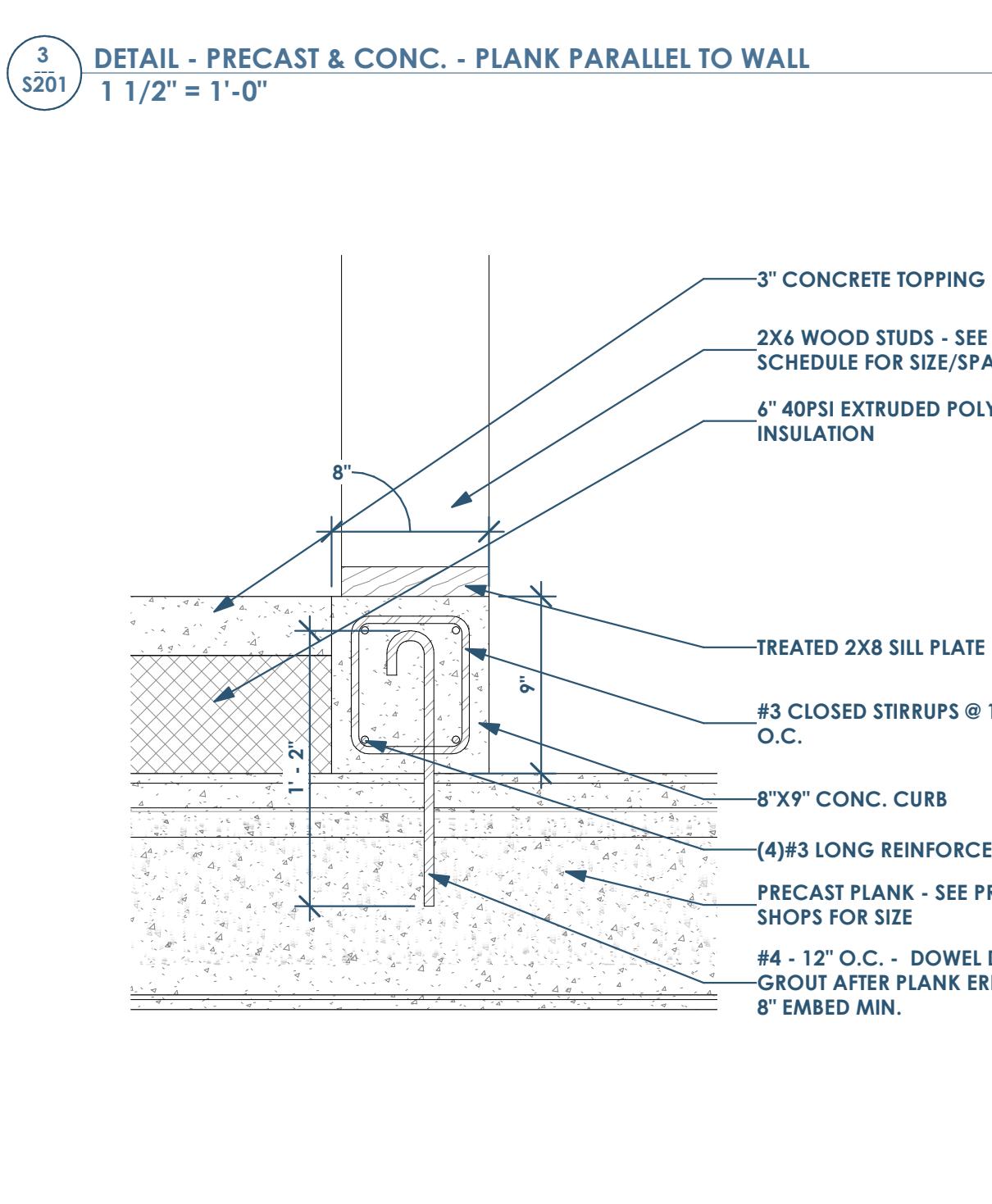
7 DETAIL - STAIR - BASE  
1 1/2" = 1'-0"

9 DETAIL - STAIR - HEAD  
1 1/2" = 1'-0"

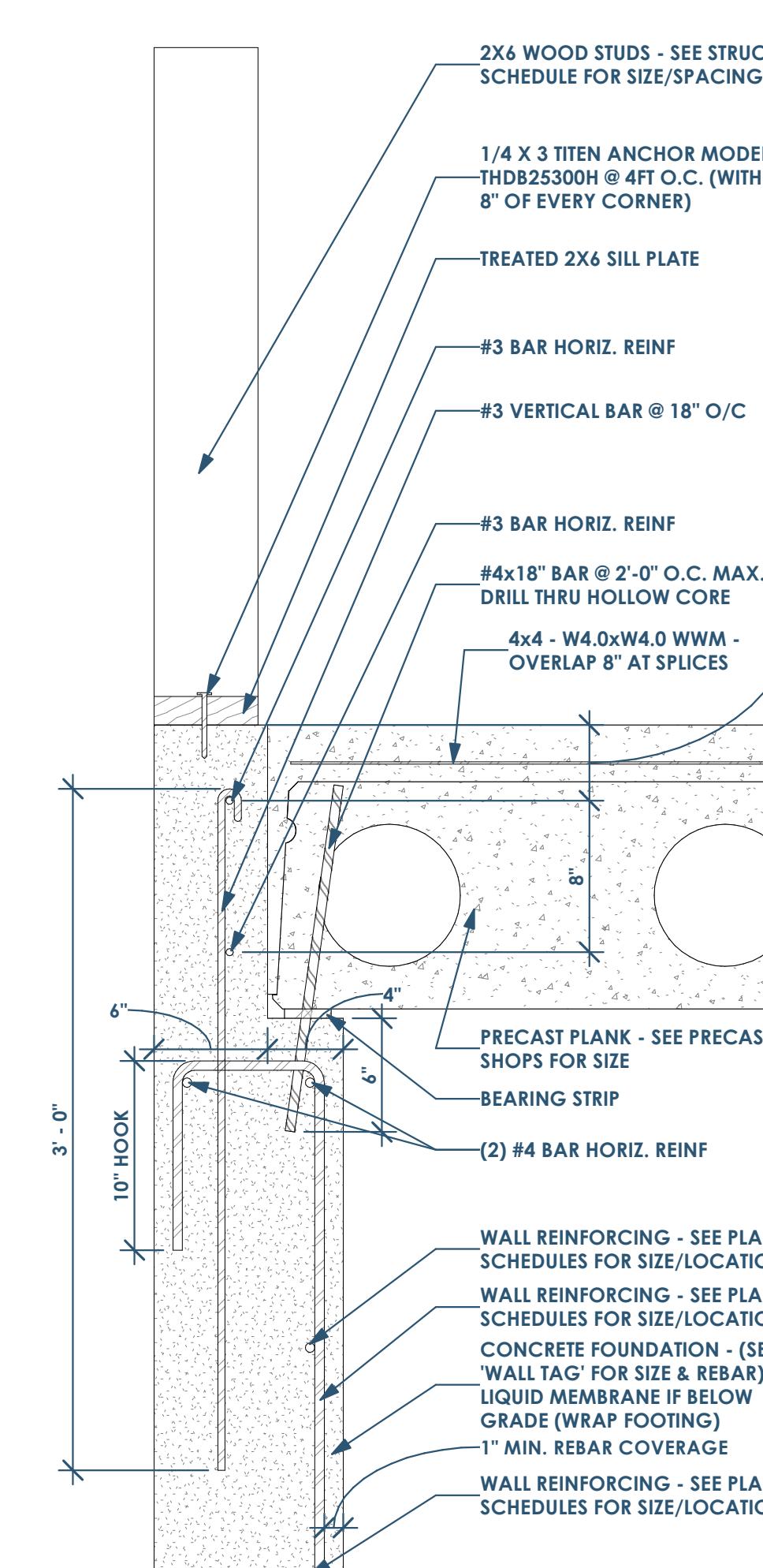
10 DETAIL - EXTERIOR SLABS  
1 1/2" = 1'-0"



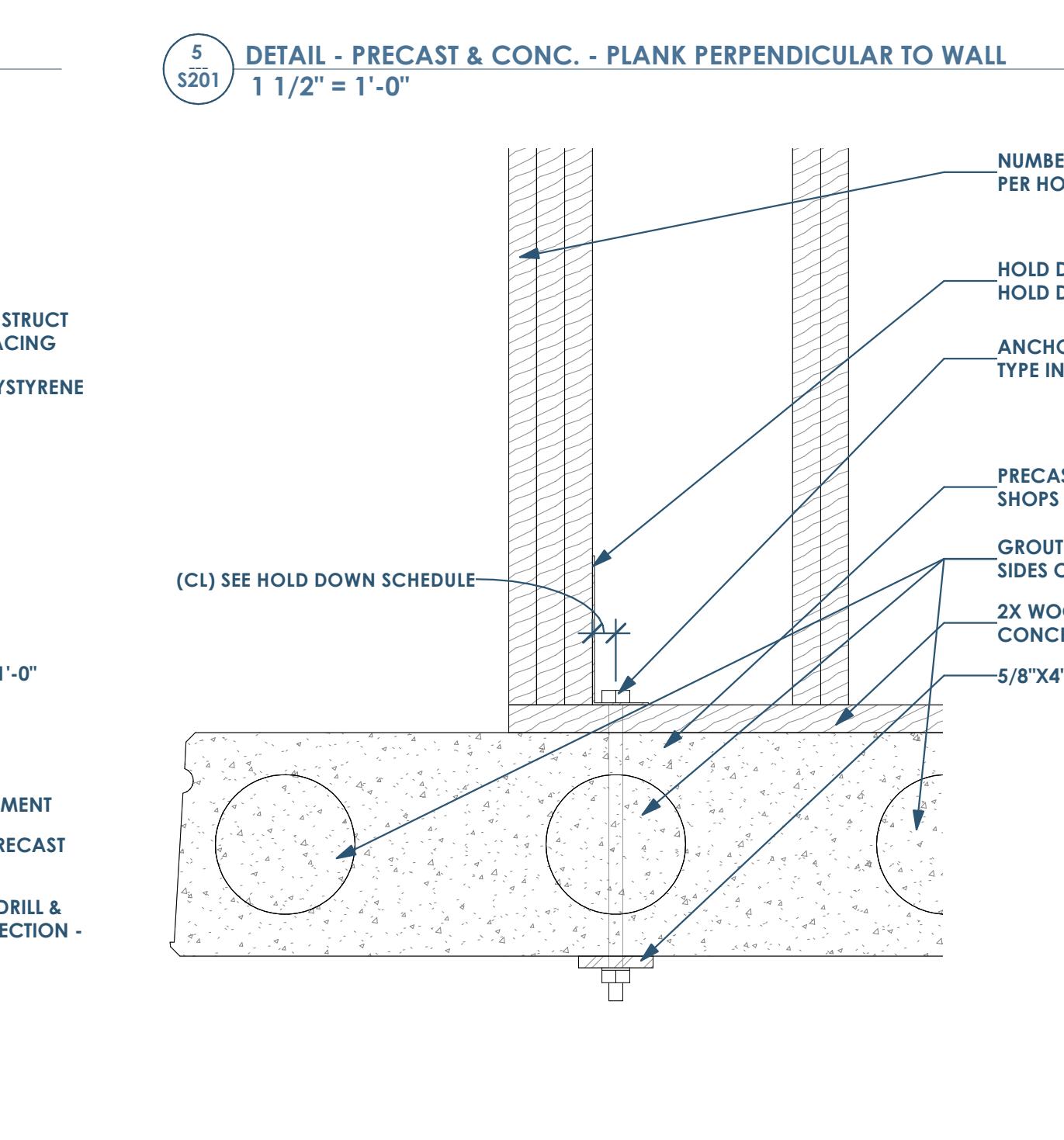
10 DETAIL - EXTERIOR SLABS  
1 1/2" = 1'-0"



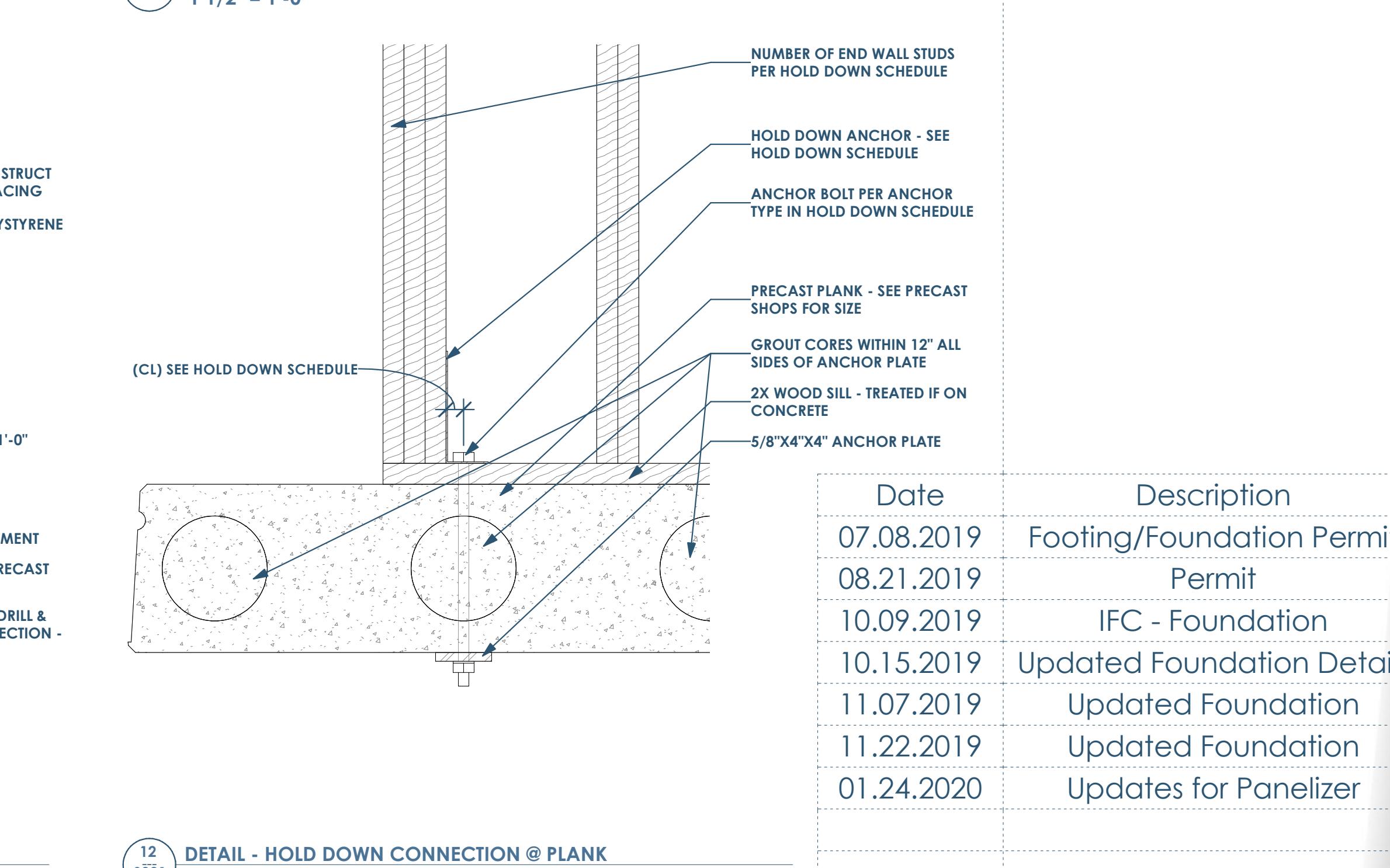
2 DETAIL - BUILT UP CURB  
1 1/2" = 1'-0"



3 DETAIL - PRECAST & CONC. - PLANK PARALLEL TO WALL  
1 1/2" = 1'-0"



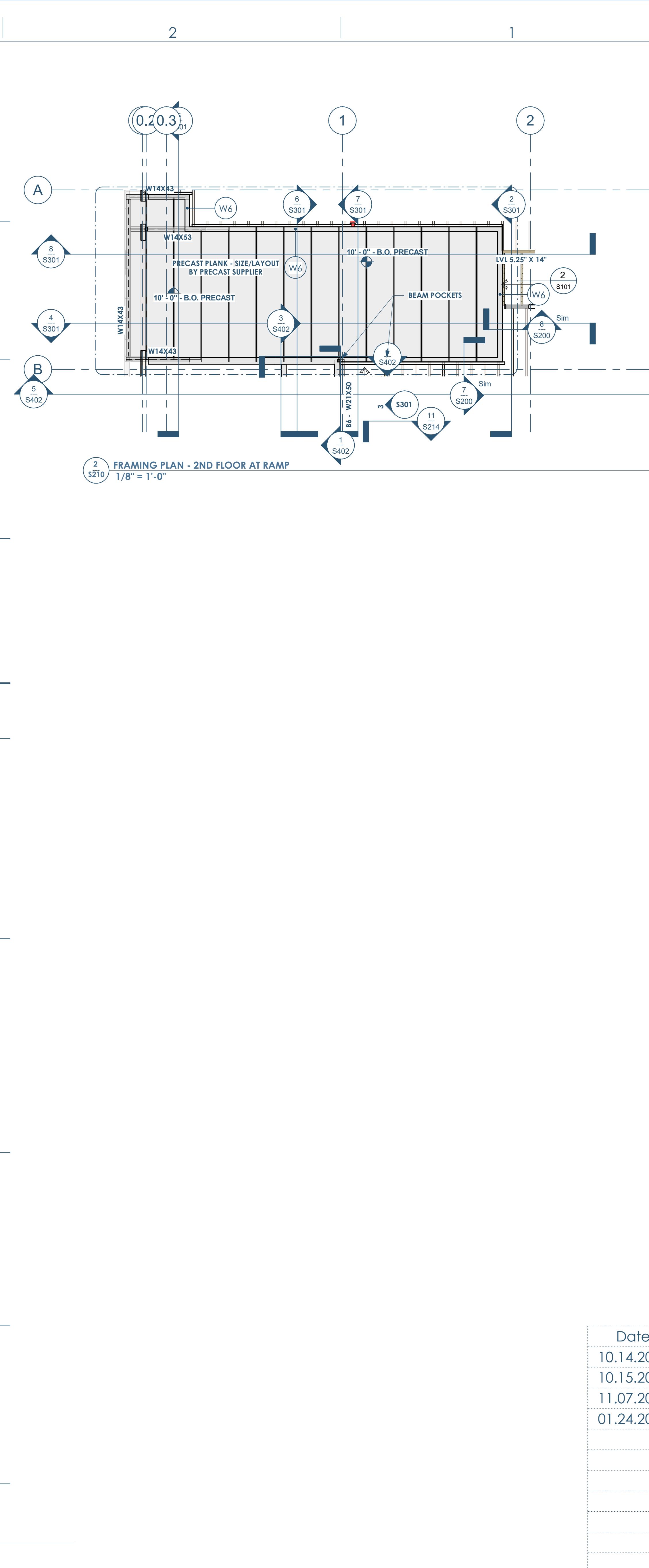
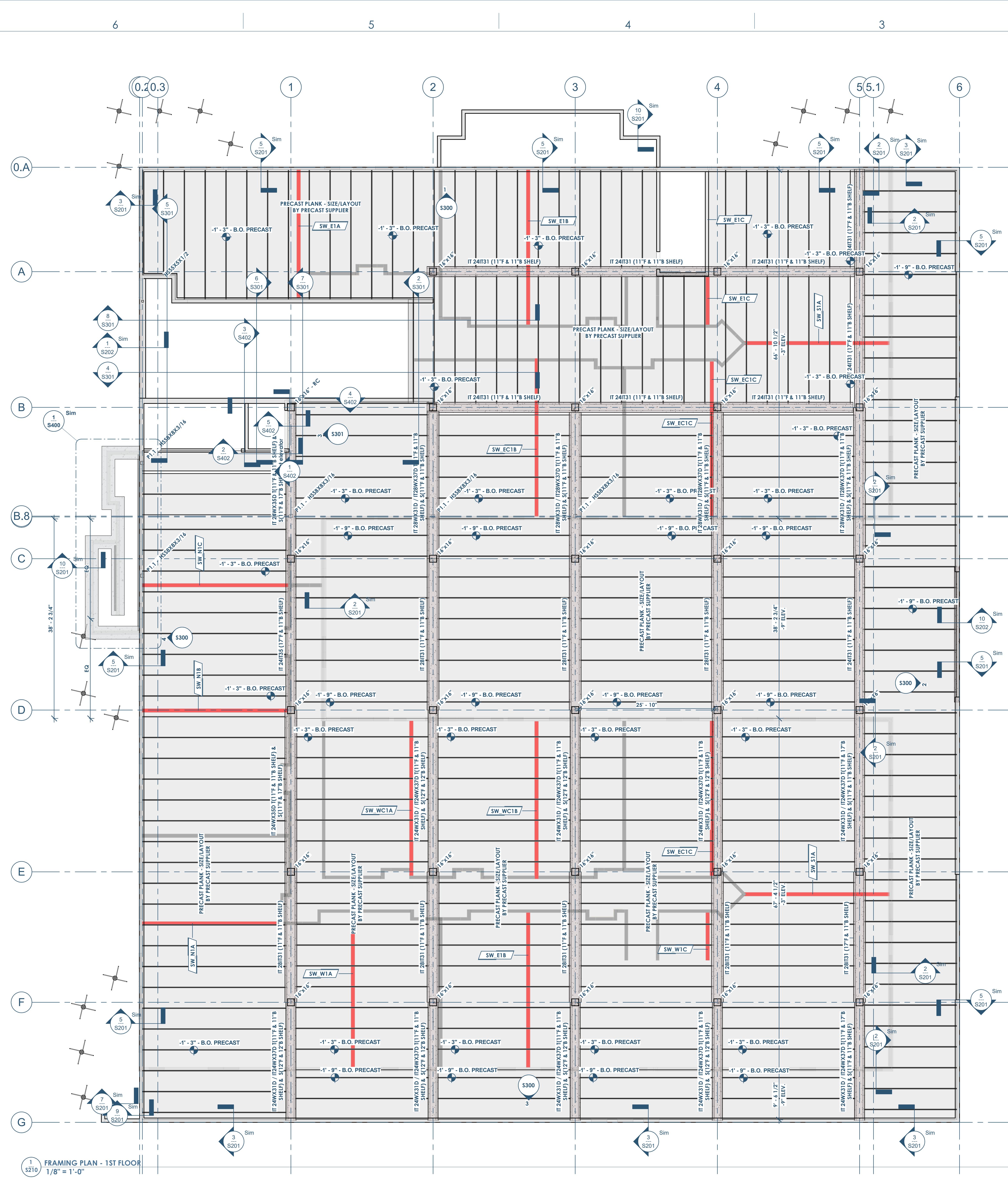
5 DETAIL - PRECAST & CONC. - PLANK PERPENDICULAR TO WALL  
1 1/2" = 1'-0"



12 DETAIL - HOLD DOWN CONNECTION @ PLANK  
1 1/2" = 1'-0"

## STRUCTURAL DETAILS

### CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI



# CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI

# S210

2/6/2020 7:06:00 PM



**CAPITAL GROUP**  
**Developer:** W Capital Group  
wcapitalgroupre.com | 608.345.9848



**Architect:** OpeningDesign  
6 W Washington Ave | Suite 675  
Madison, WI 53703  
[openingdesign.com](http://openingdesign.com) | 773.425.6456



**General Contractor:** ROYAL CONSTRUCTION  
1200 Queenway Street | Eau Claire, WI 54701  
[n@royalbuilt.com](mailto:n@royalbuilt.com) | 715-225-6377



**Engineer:** CEDAR CORPORATION  
son Avenue | Menomonie, WI 54751  
[ium@cedarcorp.com](mailto:ium@cedarcorp.com) | 715-235-9081



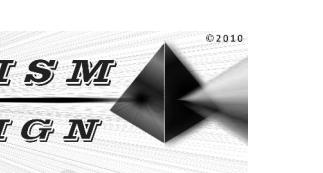
**al Engineer:** XC Structural Engineering  
Apolonio Morales, 628036 Madrid,  
[xc@xcengineering.net](mailto:xc@xcengineering.net) | +34 610 56 26 37



**National Engineer of Record:** Ennovation



**HOVLAND**  
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**ELECTRICAL  
CONSULTANTS INC.**



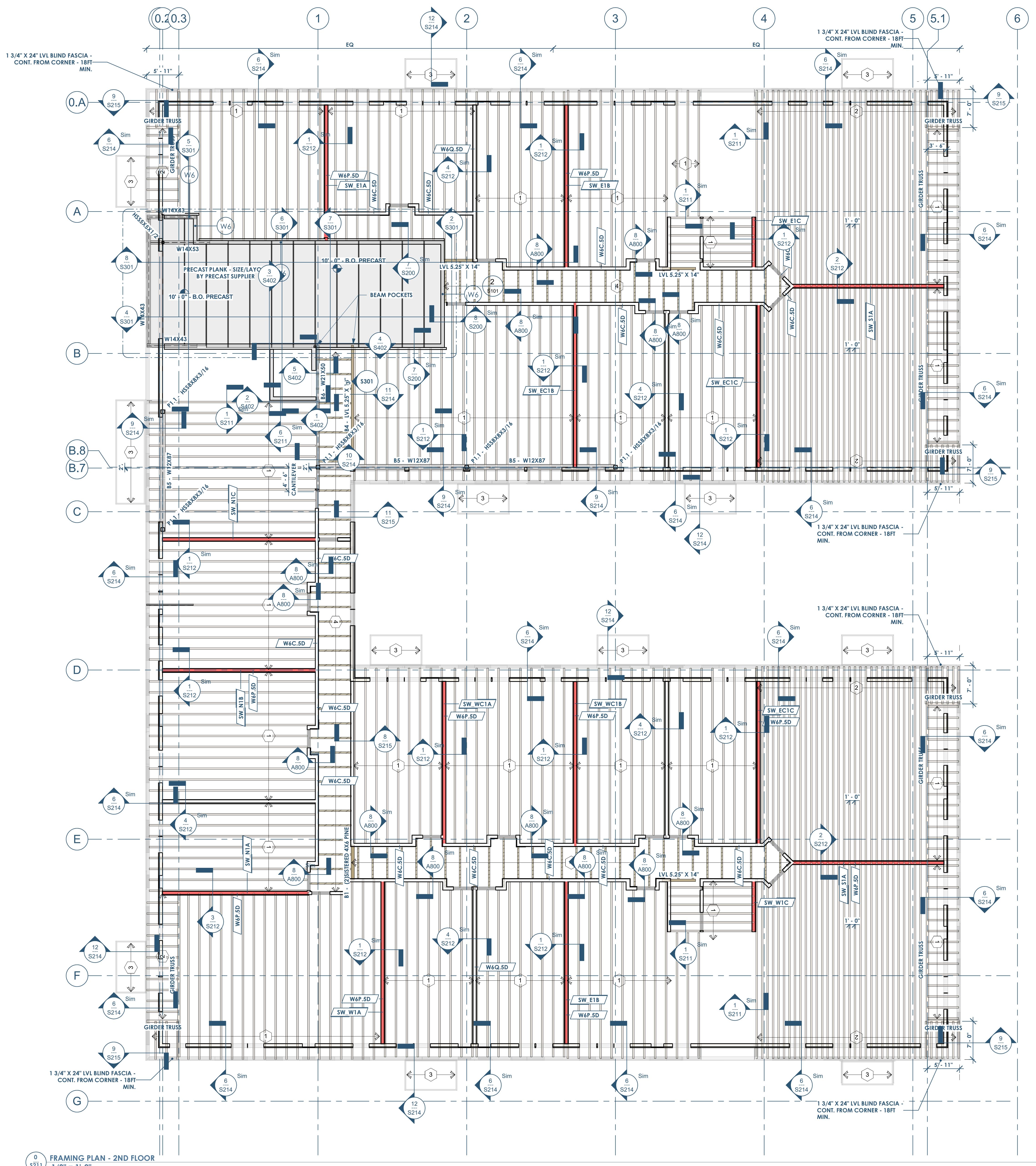
**Tailored Engineer**: TAILORED ENGINEERING  
100 E. Main Street, Suite 210 | Middleton, WI 53562  
[info@tailoredengineering.com](mailto:info@tailoredengineering.com) | 608.209.7500

Date	Description
10.14.2019	for Precast Supplier
10.15.2019	Updated Foundation Details
11.07.2019	Updated Foundation
01.24.2020	Updates for Panelizer

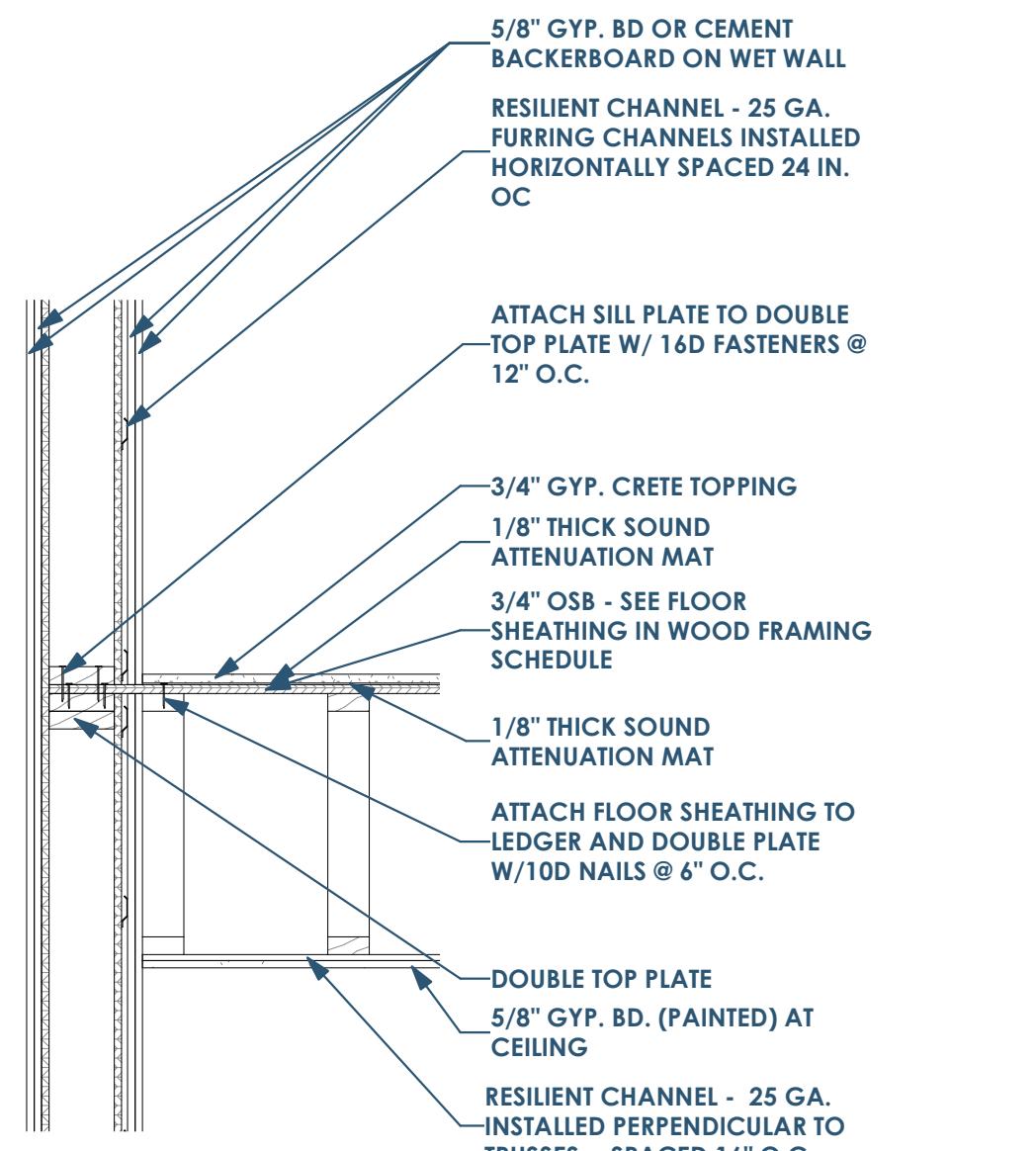
**WOOD FLOOR PLAN KEYED NOTES:**

- ① 24" DEEP PARALLEL CHORD FLOOR TRUSSES AT 24" O.C.
- ② 24" DEEP PARALLEL CHORD FLOOR TRUSSES AT 12" O.C.
- ③ PREFABRICATED SIDE HUNG METAL BALCONY, BY OTHERS
- ④ 4x6 PINE JOISTS AT 32" O.C.

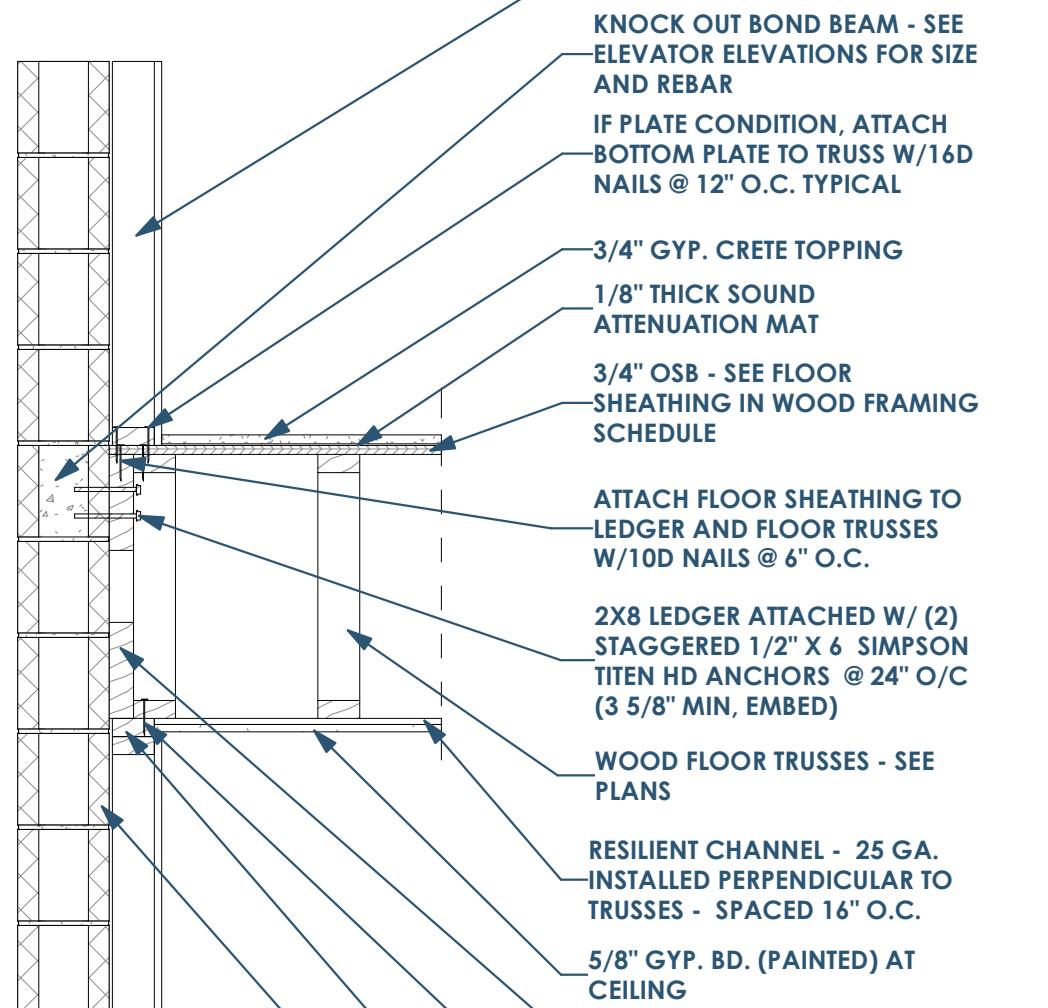
"SEE HEADER/POST SCHEDULE IN S216 SHEET"  
"SEE SHEAR WALL SCHEDULE IN S216 SHEET"



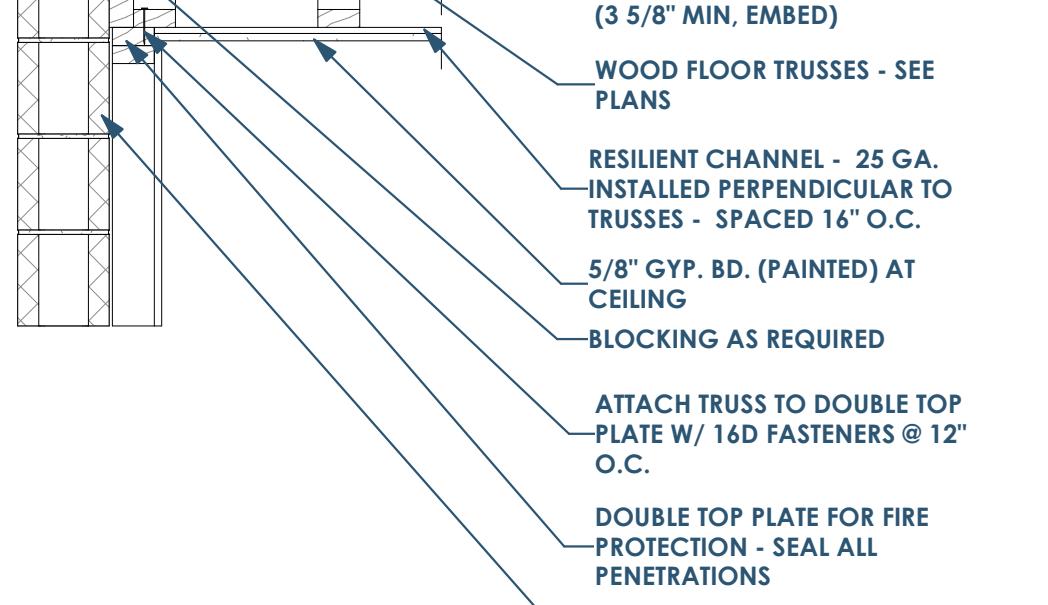
**1 S211** FLOOR FRAMING PARALLEL TO STAIR SHEAR WALL




**3 S211** CORRIDOR JOISTS PARALLEL TO STAIR WALL




**6 S211** DETAIL- FLOOR FRAMING PARALLEL TO CMU WALL

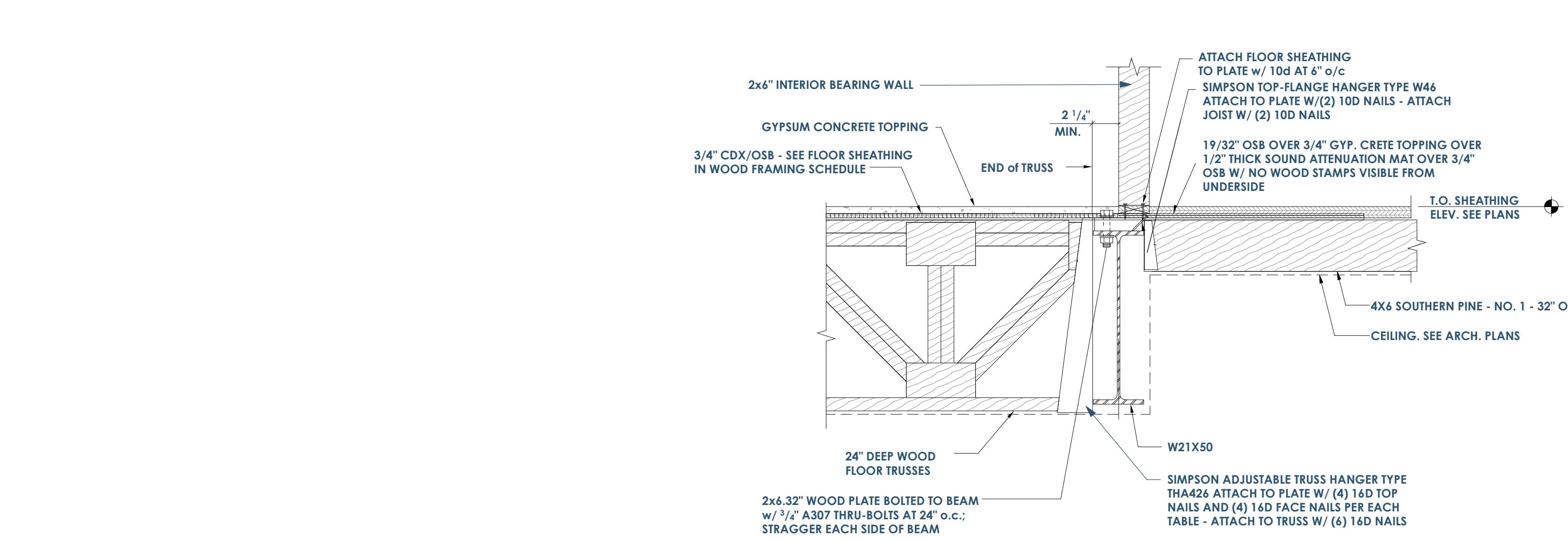
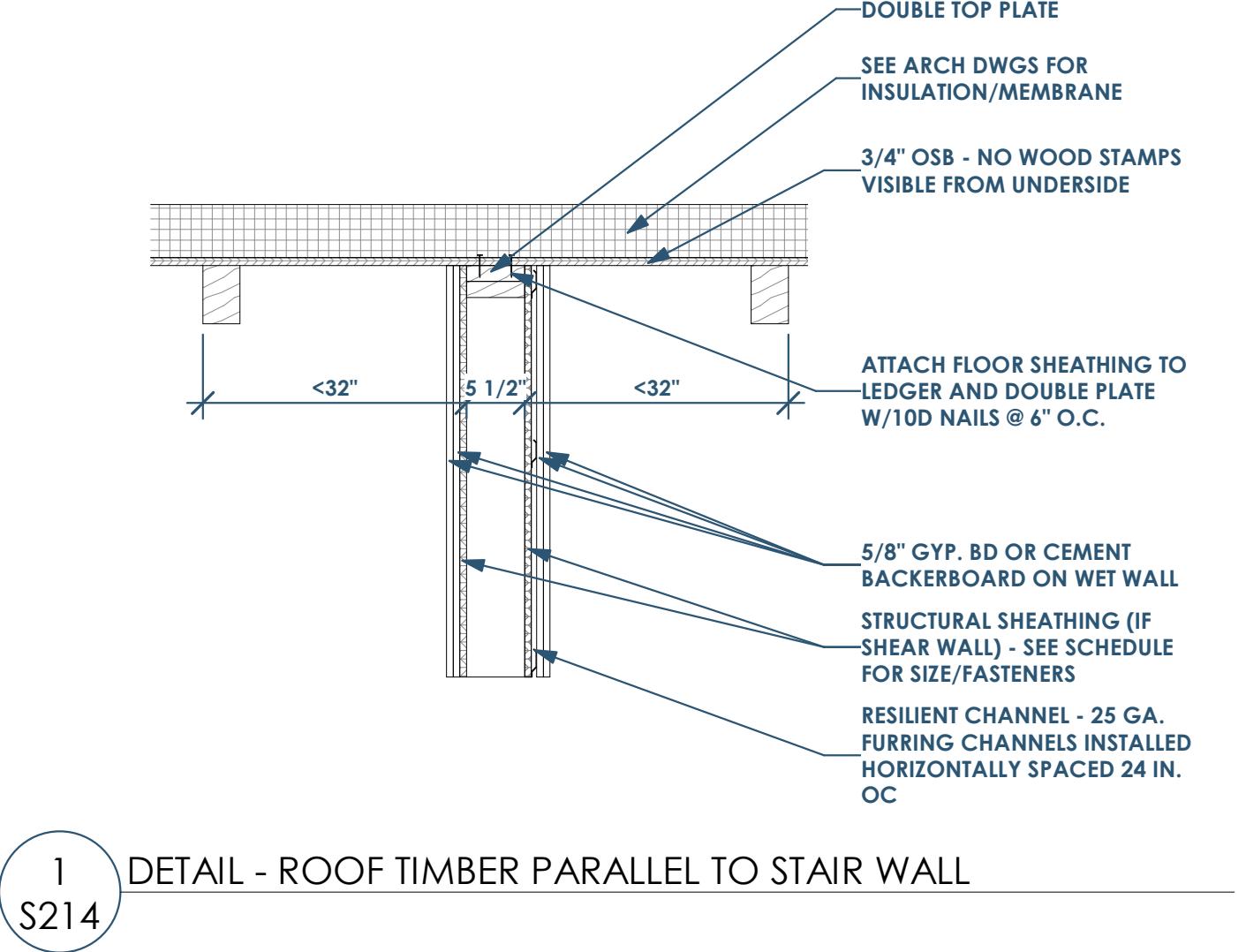
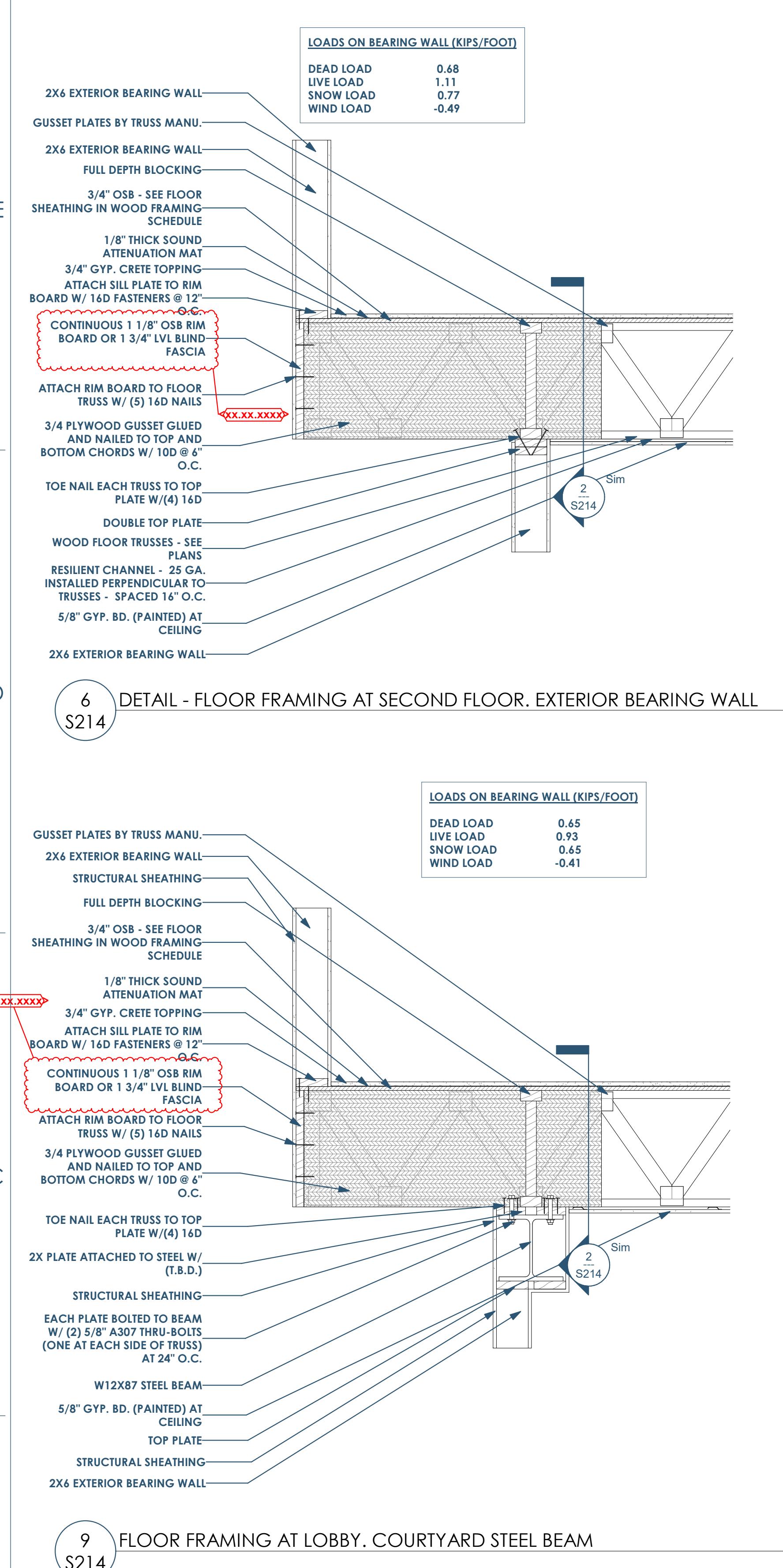


Date	Description
08.15.2019	75% CD Set
08.21.2019	Permit
11.07.2019	Updated Foundation
01.24.2020	Updates for Panelizer





Date	Description
08.15.2019	75% CD Set
08.21.2019	Permit
01.24.2020	Updates for Panelizer
<XX.XX.XXXX>	<next>



6 S214

1 S214

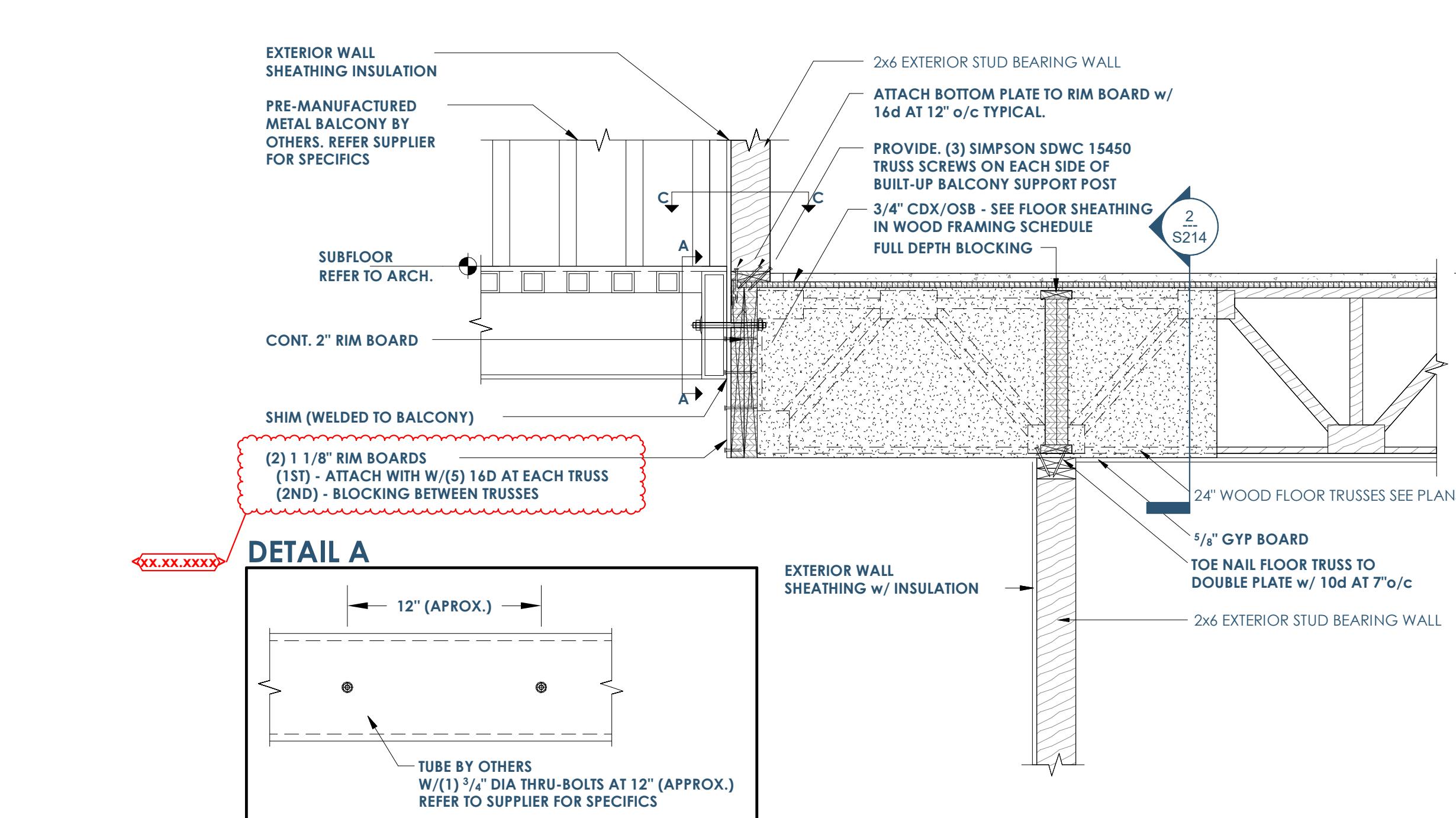
2 S214

2 S214

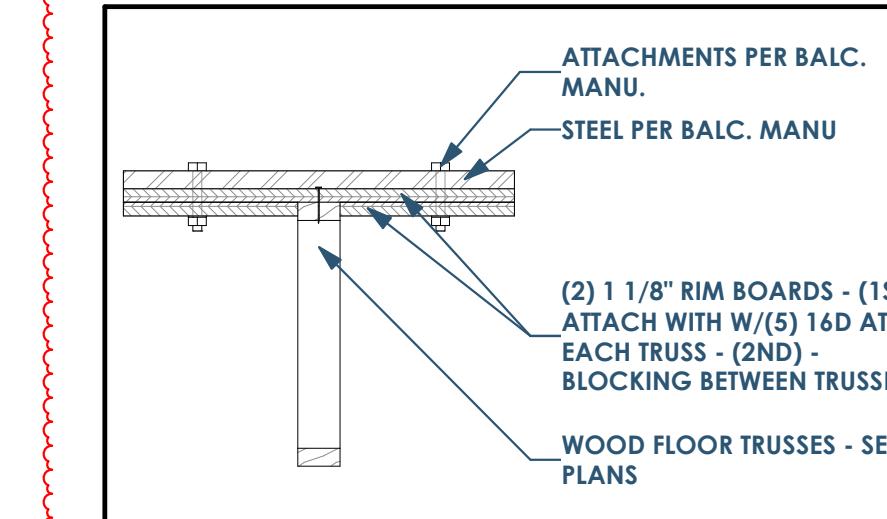
9 S214

11 S214

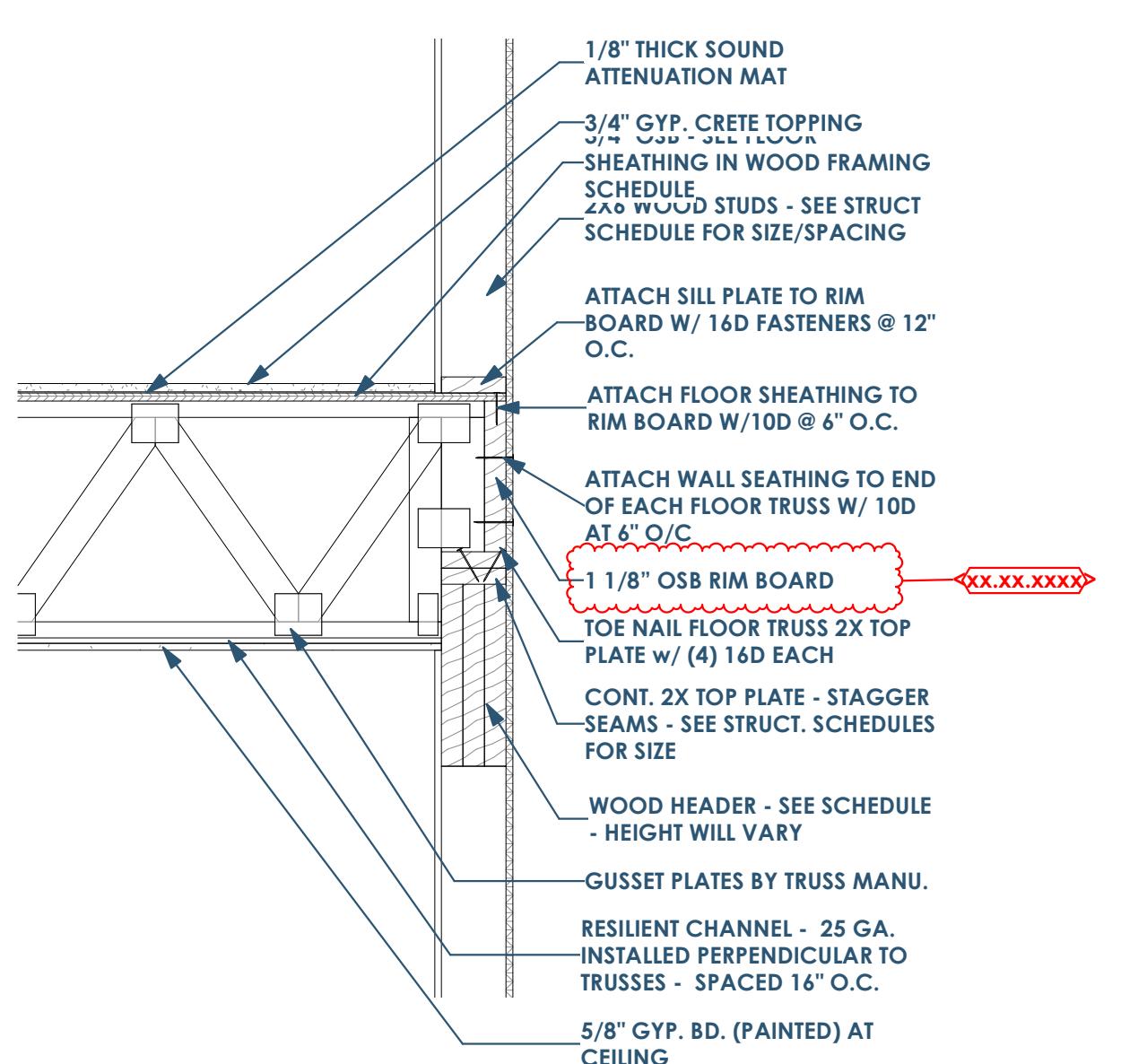
12 S214



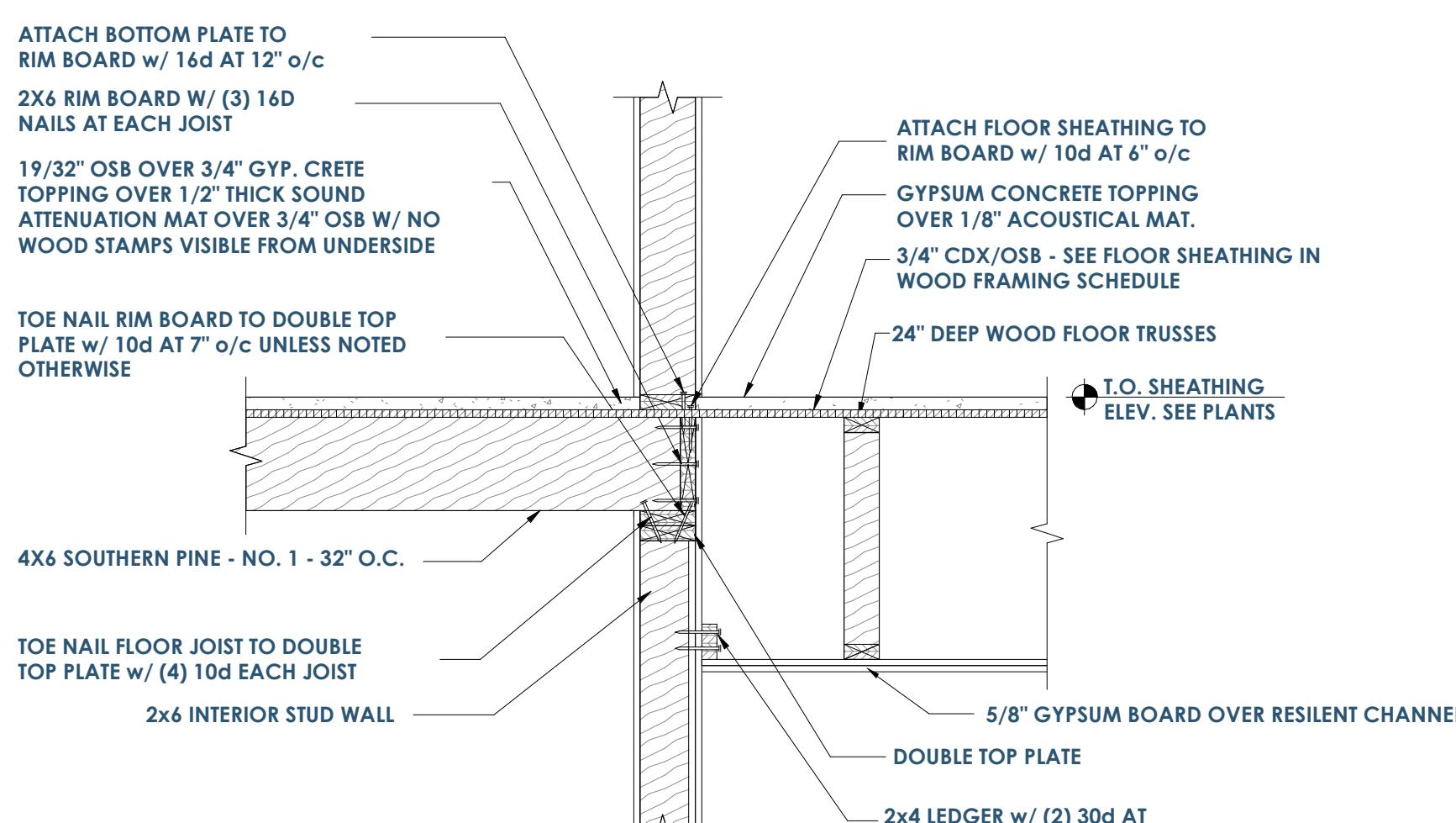
DETAIL C



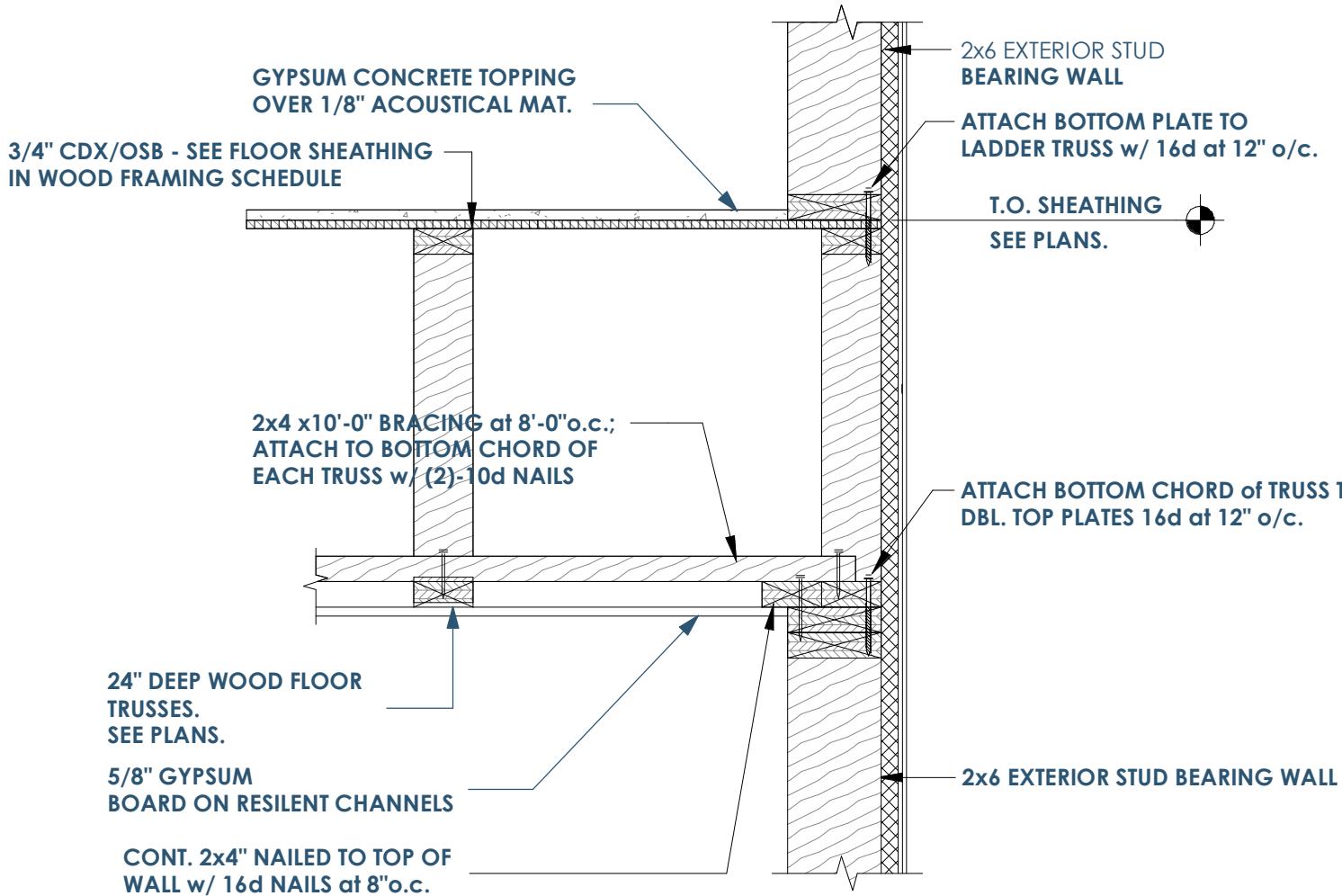
Date	Description
08.15.2019	75% CD Set
08.21.2019	Permit
01.24.2020	Updates for Panelizer
<XX.XX.XXXX>	<next>



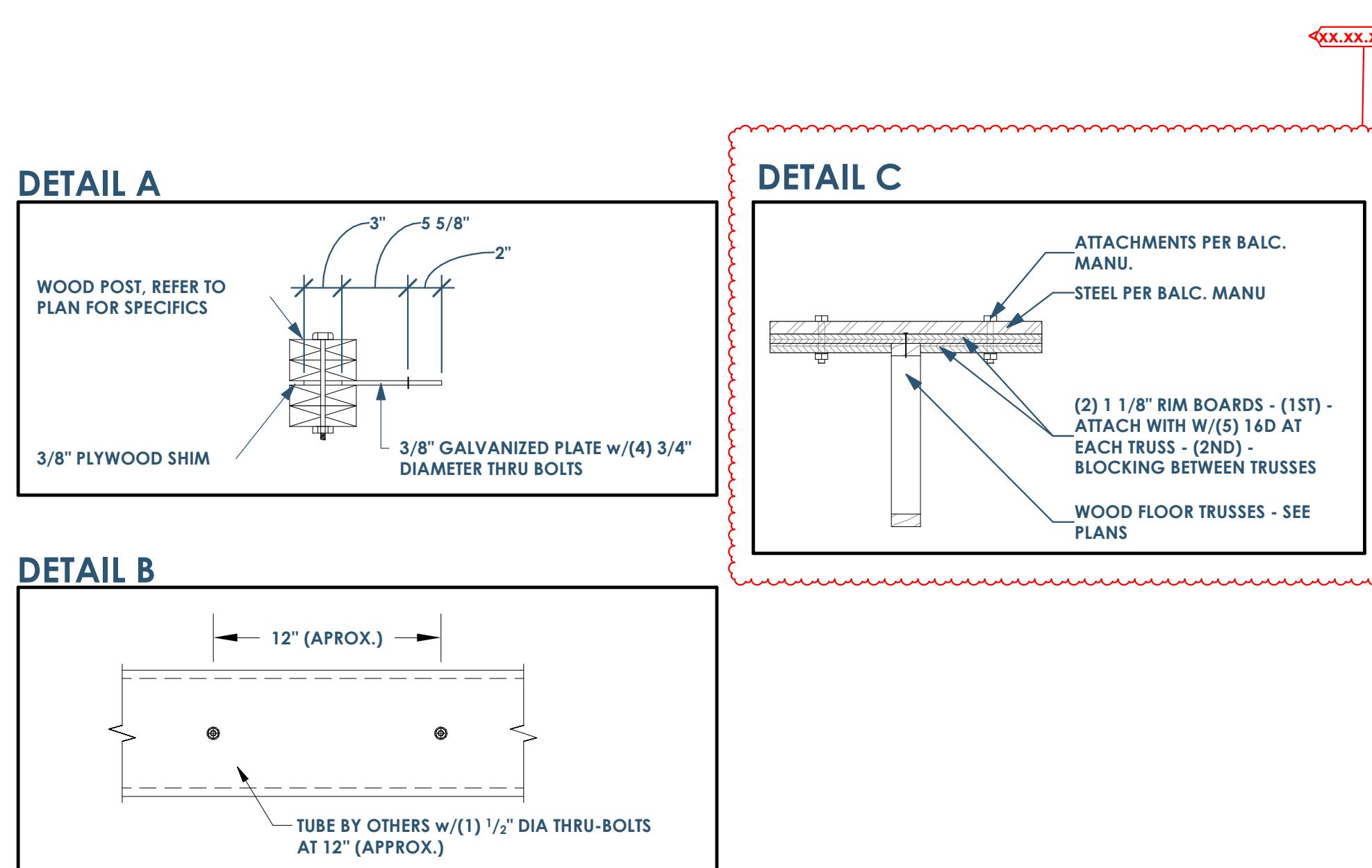
6 S215 FLOOR FRAMING AT EXTERIOR WALL BEARING ON HEADER (3RD FLOOR)  
3/4" = 1'-0"



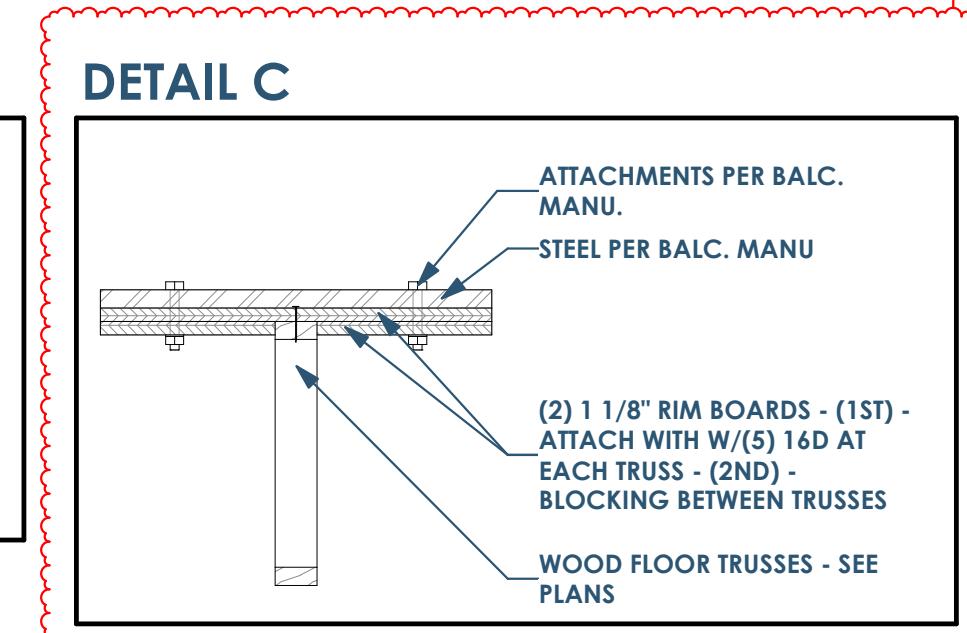
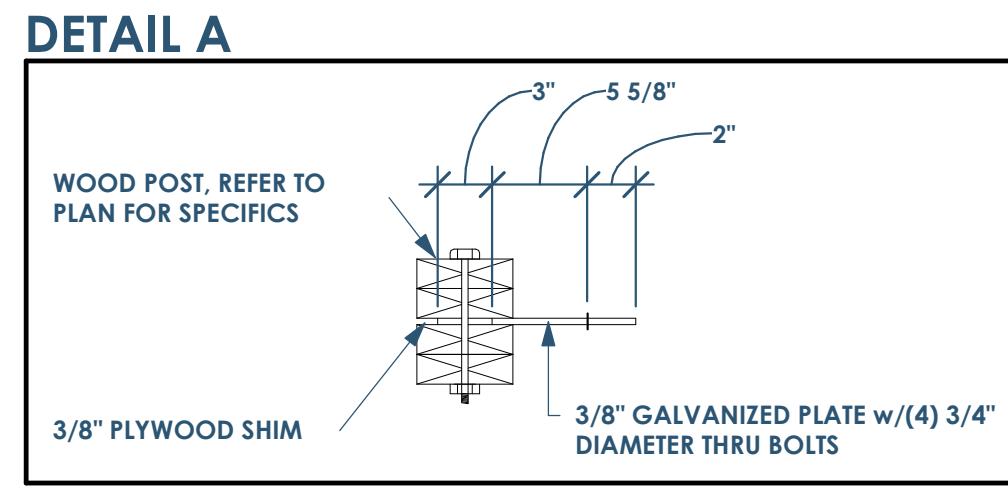
8 S215 FLOOR FRAMING AT CORRIDOR, PLATFORM FRAMING AT INTERIOR BEARING WALL



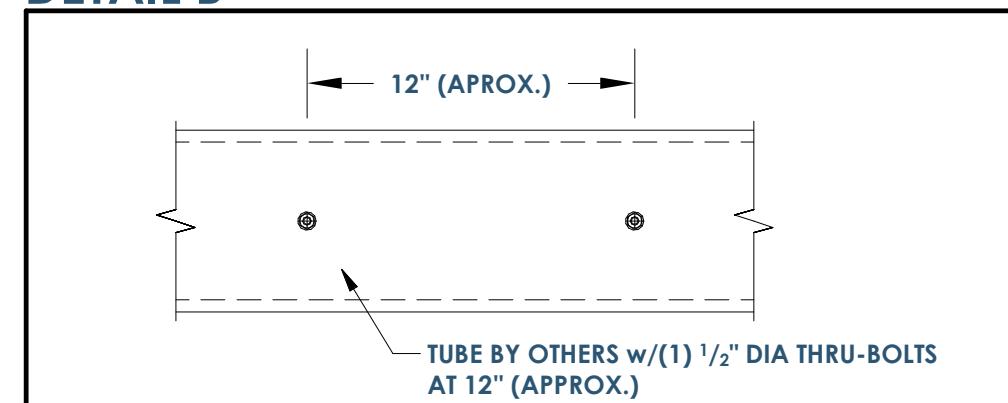
9 S215 FLOOR FRAMING PARALLEL TO EXTERIOR WALL



DETAIL A



DETAIL B



11 S215 FLOOR FRAMING AT CORRIDOR, PLATFORM FRAMING AT EXTERIOR BEARING WALL

12 S215 METAL BALCONY BASE CONNECTION AND HANGER ROD CONNECTION. 3rd FLOOR

WOOD SHEAR WALL SCHEDULE											
Shear wall	Sheathing material	Panel thickness	Banding	Minimum distance from bearing member or blocking	Faster type and size	Panel edge fastener spacing (in)	Nominal fastener capacity (lb)	Hold down stud capacity	Hold down stud type	Hold down anchor type	Bottom plate attachment (floor to floor)
SW_N3A	Wood structural panels - sheathing	3/8	YES	1-3/8	8d	4	840	2	(1)	Simpson HDU4-SDS2.5	-
SW_N3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-
SW_N3C	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-
SW_N3D	Wood structural panels - sheathing	3/8	YES	1-3/8	8d	4	840	2	(1)	Simpson HDU4-SDS2.5	-
SW_N2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1420	4	(2)	Simpson HDU4-SDS2.5	-
SW_N2B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	-	-	-	-
SW_N2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	1	(1)	Simpson HDU4-SDS2.5	-
SW_N2D	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1420	4	(2)	Simpson HDU4-SDS2.5	-
SW_N1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	(3)	Simpson HDU11-SDS2.5	10
SW_N1B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	-	-	-	36
SW_N1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	3	(1)	Simpson HDU4-SDS2.5	11
SW_N1D	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	(3)	Simpson HDU11-SDS2.5	10
SW_S3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	2	(1)	Simpson HDU4-SDS2.5	-
SW_S3B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	2	(1)	Simpson HDU4-SDS2.5	-
SW_S3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	(2)	Simpson HDU11-SDS2.5	-
SW_S2B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	(2)	Simpson HDU11-SDS2.5	-
SW_S1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	10
SW_S1B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	10
SW_E3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1420	3	(1)	Simpson HDU4-SDS2.5	-
SW_E3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-
SW_E3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1420	6	(2)	Simpson HDU11-SDS2.5	-
SW_E2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	(3)	Simpson HDU11-SDS2.5	-
SW_E2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	1	(1)	Simpson HDU4-SDS2.5	-
SW_E2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	-
SW_E1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	13	(4)	Simpson HD19	7
SW_E1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	36
SW_E1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	9	(3)	Simpson HD19	11
SW_W1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1420	3	(1)	Simpson HDU4-SDS2.5	-
SW_W2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-
SW_W2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1420	6	(2)	Simpson HDU11-SDS2.5	-
SW_W2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	(3)	Simpson HDU11-SDS2.5	-
SW_W2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	1	(1)	Simpson HDU4-SDS2.5	-
SW_W2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	-
SW_W1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	13	(4)	Simpson HD19	9
SW_W1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	36
SW_W1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	0	-	-	-
SW_EC3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	0	-	-	-
SW_EC3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-
SW_EC3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	3	(1)	Simpson HDU4-SDS2.5	-
SW_EC2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	2	(1)	Simpson HDU4-SDS2.5	-
SW_EC2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-
SW_EC2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	(2)	Simpson HDU11-SDS2.5	-
SW_EC1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	6
SW_EC1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	36
SW_EC1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	11
SW_WC3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	0	-	-	-
SW_WC3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	0	560	-	-	-	-
SW_WC3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	3	(1)	Simpson HDU4-SDS2.5	-
SW_WC2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	2	(1)	Simpson HDU4-SDS2.5	-
SW_WC2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-
SW_WC2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	(2)	Simpson HDU11-SDS2.5	-
SW_WC1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	4
SW_WC1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	36
SW_WC1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	11

**WOOD FLOOR PLAN NOTES:**

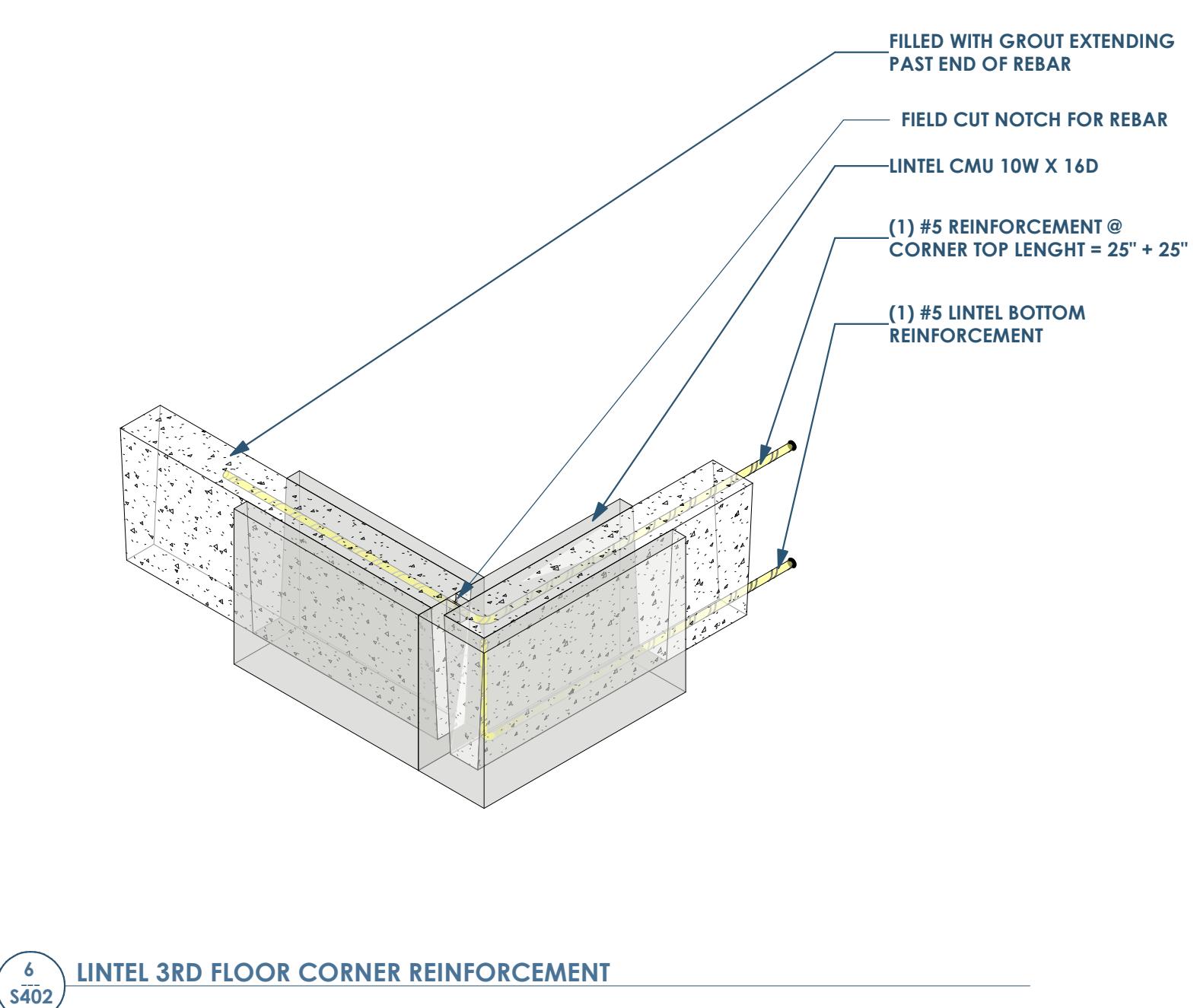
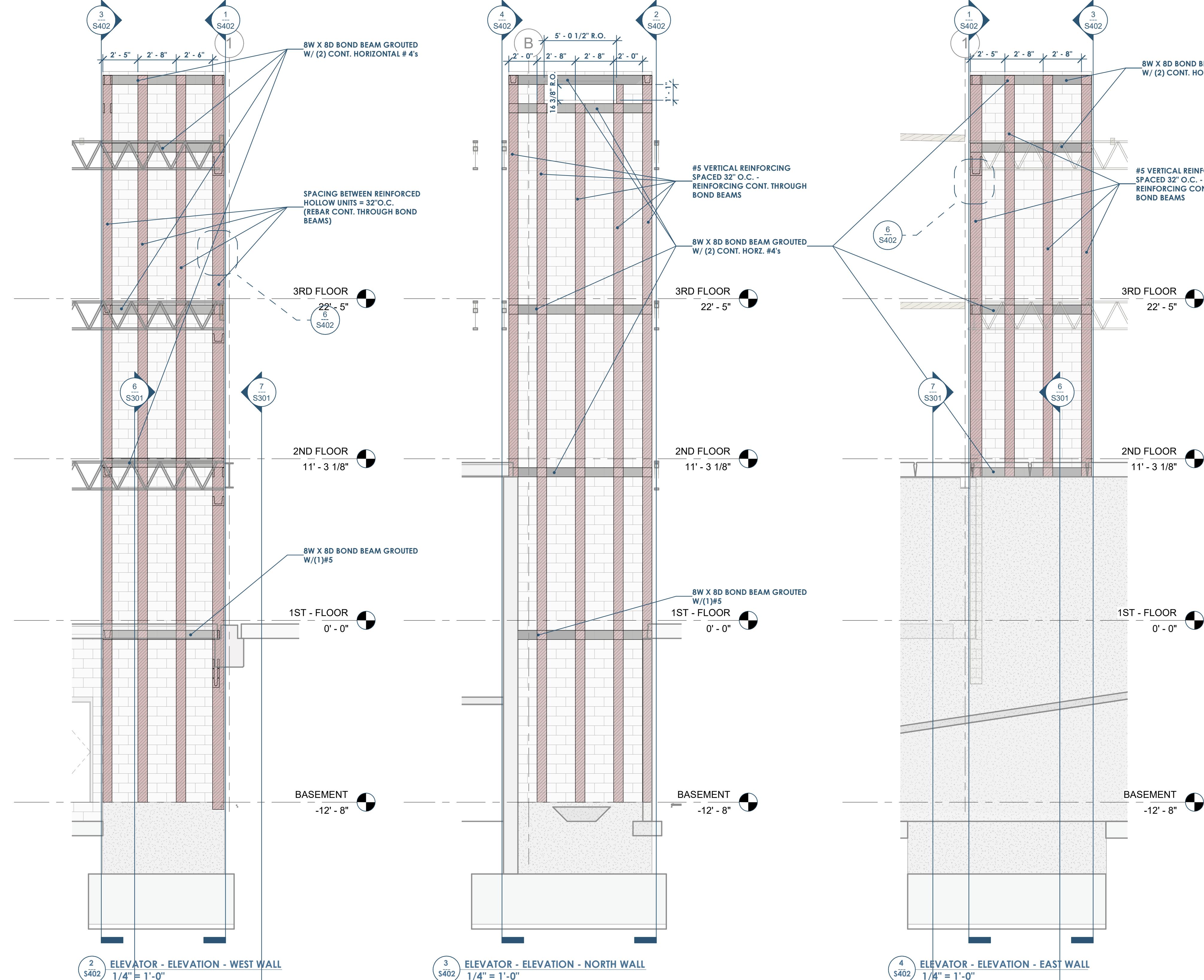
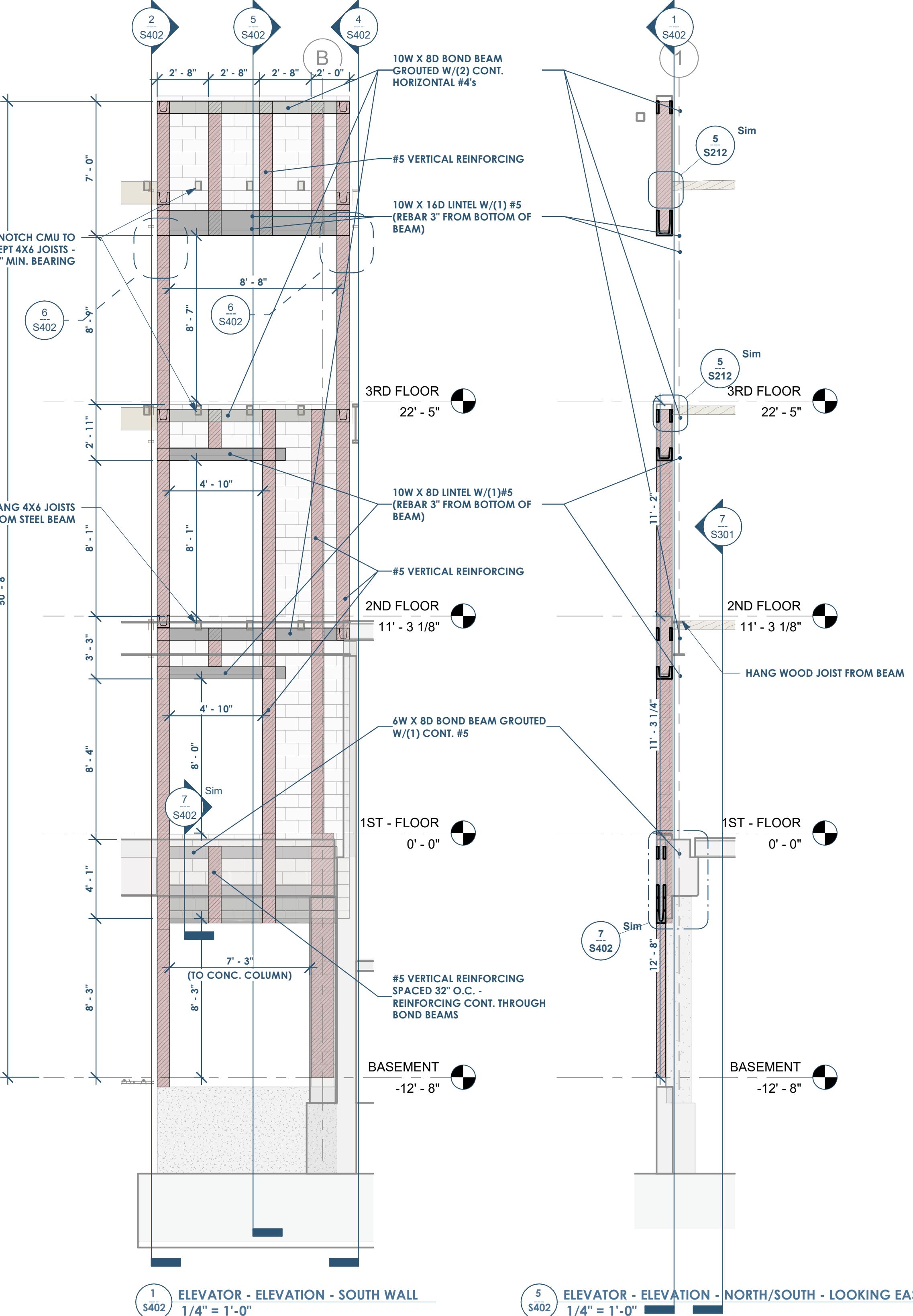
1. TYPICAL FLOOR CONSTRUCTION: 1" GYPSUM CONCRETE TOPPING (120 PCF)
2. SHEATHING (PLYWOOD OR OSB) GLUE & SCREW FLOOR FLOOR STRUCTURE. SHEATHING TO BE ATTACHED TO WOOD MEMBERS W SIMPSON STRONG-TIE STRONG-DRIVE WSNTL FASTENERS ON A 6"X6" o/c PATTERN (EDGE/FIELD).
3. TYPICAL STAIR LANDING CONSTRUCTION: 3/4" TONGUE & GROOVE APA RATED WOOD FLOOR SHEATHING (PLYWOOD OR OSB). GLUE & SCREW FLOOR FLOOR STRUCTURE. SHEATHING TO BE ATTACHED TO WOOD MEMBERS W SIMPSON STRONG-TIE STRONG-DRIVE WSNTL FASTENERS ON A 6"X6" o/c PATTERN (EDGE/FIELD).
4. REFER TO ARCHITECTURAL DRAWINGS FOR STAIR FRAMING AND CONFIGURATION.
5. "HPX" DENOTES A WOOD HEADER/POST CONSTRUCTION. REFER TO WOOD HEADER/POST SCHEDULE FOR HEADER & POST DESIGNATION.
6. "WXP" DENOTES A WOOD POST. REFER TO WOOD HEADER/POST SCHEDULE FOR WOOD POST DESIGNATION ONLY.
7. ALL EXTERIOR WOOD STUD WALLS SHALL HAVE (1) LAYER OF 1/2" APA RATED SHEATHING (PLYWOOD OR OSB) ON THE EXTERIOR WALL FACE. REFER TO STANDARD DETAILS FOR TYPICAL BEARING WALL CONSTRUCTION AND SHEATHING ATTACHMENT. PROVIDE 1/2" GROUT CORES ALONG THE EXTERIOR WALL. ATTACH SHEATHING TO WALL STUDS W 10d COMMON NAILS ON 6"X12" PATTERN (EDGES/FIELD). NAILS TO HAVE A MINIMUM PENETRATION INTO FRAMING MEMBER OF 1/2".
8. REFER TO TYPICAL WOOD WALL DETAILS FOR FRAMING AROUND AN OPENING THROUGH A WOOD STUD BEARING WALL.
9. REFER TO EXTERIOR MISCELLANEOUS VENEER LINTEL SCHEDULE FOR ALL OPENINGS IN EXTERIOR VENEER.
10. ALL WOOD POSTS SHALL LINE UP FLOOR TO FLOOR DOWN TO THE TOP OF CONCRETE FOUNDATION WALL OR TOP OF PRECAST PLANK LEVEL. PROVIDE SOLID BLOCKING OF SAME SIZE AS POST IN TRUSS SPACES.
11. AT INTERIOR BEARING WALLS WHERE FLOOR TRUSSES BEAR ON WALL FROM EITHER SIDE, LAP TRUSSES AND BEAR EACH TRUSS FULL WIDTH OF WALL, TYPICAL.
12. PROVIDE 2x6 STRONGBACK BRIDGING FULL LENGTH OF BUILDING. NAIL TO VERTICAL TRUSS WEB W (3) 16d NAILS. PROVIDE BRIDGING EQUALLY SPACED ALONG TRUSS SPAN AS REQUIRED BY DESIGN.
13. AT EXTERIOR DECKS, PROVIDE COMPOSITE OR PRESSURE TREATED 5/4" WOOD DECKING.
14. ALL WOOD HEADERS SHOWN IN STUD WALLS ARE DROPPED HEADERS AND SHALL BE PLACED AT WALL OPENING HT UNLESS NOTED OTHERWISE. REFER TO ARCH DRAWINGS FOR OPENING HEIGHTS. ALL OTHER HEADERS SHALL BE FLUSH w/ BOTTOM OF FLOOR FRAMING. TYPICAL.
15. ALL VERTICAL MASONRY WALL REINFORCEMENT SHALL RUN CONTINUOUS THROUGH BOND BEAMS AND EXTEND FULL HEIGHT OF THE WALL. GROUT CORES SOLID AT ALL VERTICAL REINFORCING.
- 16."MW-X" INDICATES MASONRY WALL REINFORCEMENT TYPE. REFER TO SCHEDULE FOR SIZE & SPACING.
17. GROUT MASONRY CORES SOLID AT ALL MECHANICAL ANCHOR LOCATIONS, TYPICAL.
- 18.(XXX-XXX") INDICATES THE TOP OF STEEL BEAM ELEVATION.

WOOD FRAMING HEADER/POST SCHEDULE					
MARK	MATERIAL	WIDTH	DEPTH	BEARING	REMARKS

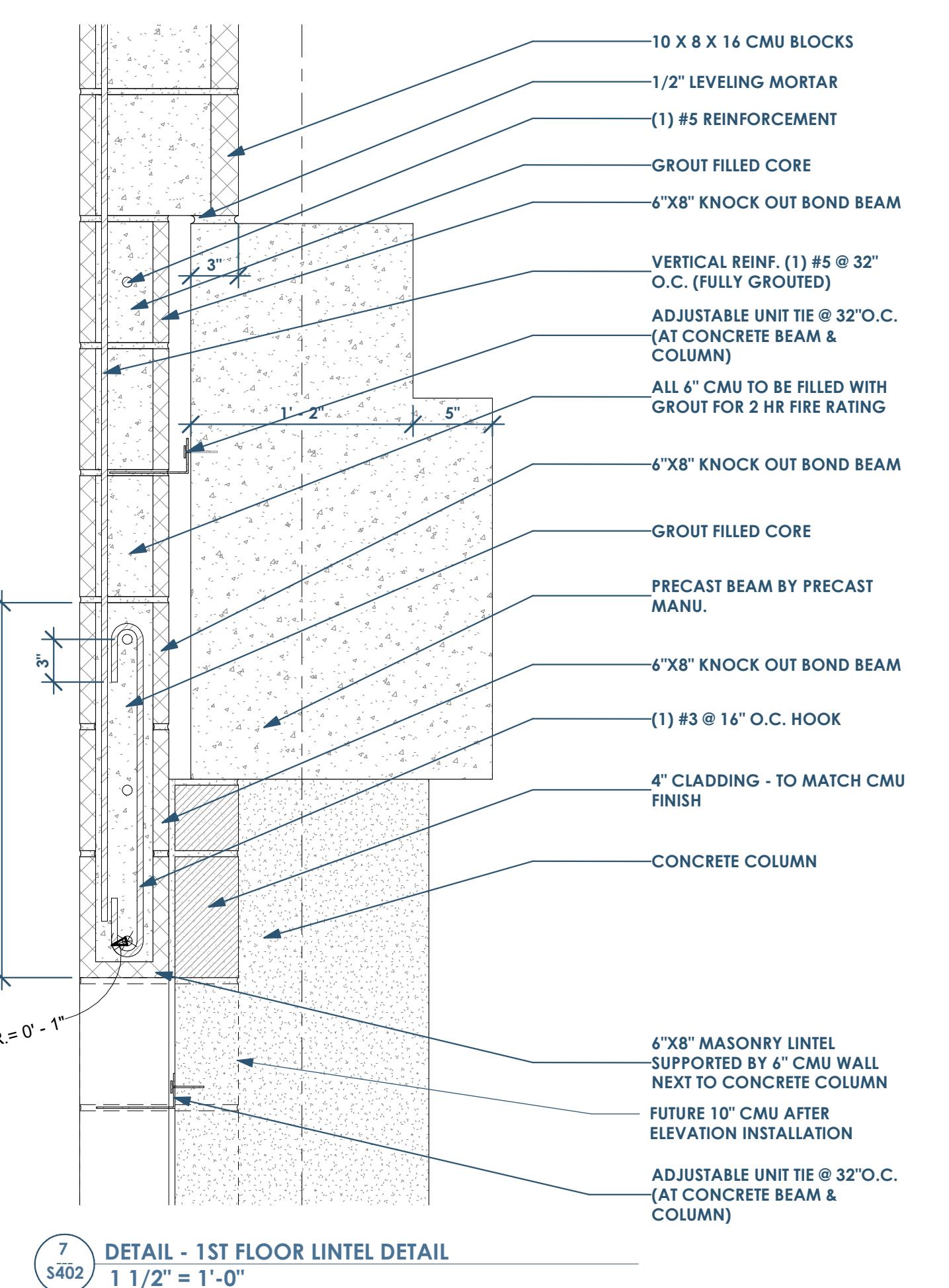




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Date	Description
01.14.2020	Lintels at Elevator
01.24.2020	Updates for Panelizer



## STRUCTURAL - ELEVATOR - ELEVATIONS CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI

**CAPITAL GROUP**  
Developer: W Capital Group  
tyler@wcapitalgroup.com | 608.345.9848

**d**  
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316 W Washington Ave | Suite 675  
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ryan@openingdesign.com | 773.425.6456

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Civil Engineer: CEDAR CORPORATION  
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**XC**  
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**Innovation**  
Structural Engineer of Record: Innovation  
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Heating • Ventilation • Air Conditioning  
Mechanical Engineer: HOVLAND'S HVAC  
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jansen@hovlands-inc.com | 715.552.5595

**PRISM DESIGN**  
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Electrical Engineer: PRISM DESIGN ELECTRICAL CONSULTANTS INC  
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bhalgren@prismdesign-electrical.com | 715.797.0602

**TAILORED ENGINEERING**  
Plumbing Engineer: TAILED ENGINEERING  
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Date  
01.14.2020  
01.24.2020  
Description  
Lintels at Elevator  
Updates for Panelizer