

# MARCO POLO - 101 W 33RD STREET

Add legal description/complete property address

DO WE HAVE AN ARCHITECTURAL SITE PLAN?

SHEET INDEX			
SHEET NUMBER	SHEET NAME	SHEET FILE	LAST ISSUE DATE
A000	COVER	101 W 33rd St Shell.rvt	xxx
A001	CODE & LIFE SAFETY	101 W 33rd St Shell.rvt	xxx
A101	FLOOR PLAN - 1ST	101 W 33rd St Units.rvt	xxx
A102	FLOOR PLAN - 2ND	101 W 33rd St Units.rvt	xxx
A103	FLOOR PLAN - 3RD	101 W 33rd St Units.rvt	xxx
A104	FLOOR PLAN - ROOF	101 W 33rd St Shell.rvt	xxx
A150	REFLECTED CEILING PLANS	101 W 33rd St Units.rvt	xxx
A200	BUILDING ELEVATION - NORTH/WEST	101 W 33rd St Shell.rvt	xxx
A201	BUILDING ELEVATION - SOUTH/EAST	101 W 33rd St Shell.rvt	xxx
A300	BUILDING SECTIONS	101 W 33rd St Shell.rvt	xxx
A301	BUILDING SECTIONS	101 W 33rd St Shell.rvt	xxx
A302	BUILDING SECTIONS	101 W 33rd St Shell.rvt	xxx
A303	BUILDING SECTIONS	101 W 33rd St Shell.rvt	xxx
A400	WALL SECTIONS	101 W 33rd St Shell.rvt	xxx
A401	WALL SECTIONS	101 W 33rd St Shell.rvt	xxx
A402	WALL SECTIONS	101 W 33rd St Shell.rvt	xxx
A410	STAIR SECTIONS	101 W 33rd St Shell.rvt	xxx
A411	STAIR SECTIONS	101 W 33rd St Shell.rvt	xxx
A412	STAIR SECTIONS	101 W 33rd St Shell.rvt	xxx
A470	UNIT PLANS - STUDIOS - LONG AND SHORT - (TYPE B ADA UNIT - 1ST FLOOR ONLY)	101 W 33rd St Units.rvt	xxx
A471	UNIT PLANS - (TYPE A ADA UNIT - 1ST FLOOR ONLY)	101 W 33rd St Units.rvt	xxx
A472	UNIT PLANS - 1BD - END UNITS	101 W 33rd St Units.rvt	xxx
A500	LARGE SCALE DETAILS	101 W 33rd St Details_C.rvt	xxx
A501	LARGE SCALE DETAILS	101 W 33rd St Details_C.rvt	xxx
A502	LARGE SCALE DETAILS	101 W 33rd St Details_C.rvt	xxx
A503	LARGE SCALE DETAILS	101 W 33rd St Details.rvt	xxx
A504	LARGE SCALE DETAILS	101 W 33rd St Details.rvt	xxx
A505	LARGE SCALE DETAILS	101 W 33rd St Details_C.rvt	xxx
A600	SCHEDULES	101 W 33rd St Units.rvt	xxx
A751	ADA SECTIONS/ELEVATIONS	101 W 33rd St Units.rvt	xxx
A800	PARTITION DETAILS - WOOD STUDS	101 W 33rd St Units.rvt	xxx
S0.0	TYPICAL GENERAL NOTES		xxx
S0.01	STATEMENT OF SPECIAL INSPECTIONS		xxx
S0.1	FOUNDATION PLAN	101 W 33rd St Structure.rvt	xxx
S1.1A	FOUNDATION NOTES AND 3D	101 W 33rd St Structure.rvt	xxx
S0.2	FRAMING PLAN - 2ND FLOOR	101 W 33rd St Structure.rvt	xxx
S0.3	FRAMING PLAN - 3RD FLOOR	101 W 33rd St Structure.rvt	xxx
S0.4	FRAMING PLAN - ROOF	101 W 33rd St Structure.rvt	xxx
S1.0	FOUNDATION DETAILS		xxx
S1.1	FOUNDATION DETAILS		xxx
S1.2	FOUNDATION DETAILS		xxx
S2.0	TYPICAL WOOD FRAMING DETAILS		xxx
S2.1	TYPICAL WOOD FRAMING WALL DETAILS		xxx
S2.2	TYPICAL WOOD FLOOR TRUSS DETAILS		xxx
S2.3	TYPICAL WOOD FRAMING LATERAL DETAILS		xxx
S2.4	TYPICAL WOOD ROOF TRUSS DETAILS		xxx
S2.5	TYPICAL STEEL DETAILS		xxx

Add 803.11 Interior Finish Classifications

CODE INFORMATION	
APPLICABLE CODES:	GENERAL: • BUILDING/DWELLING CODE IBC 2015 & AHJ AMENDMENTS • INTERNATIONAL EXISTING BUILDING CODE 2015 & AHJ AMENDMENTS ENERGY CONSERVATION: • INTERNATIONAL ENERGY CONSERVATION CODE 2015 & AHJ AMENDMENTS PLUMBING: MECHANICAL: • MECHANICAL CODE IMC 2015 & AHJ AMENDMENTS ELECTRICAL: • ELECTRICAL CODE NEC 2017 & AHJ AMENDMENTS FIRE: • FIRE/LIFE SAFETY CODE 2009 NFPA-1 & AHJ AMENDMENTS ACCESSIBILITY: • ANSI STANDARD A117.1-2009 - FOR ACCESSIBILITY FUEL: • INTERNATIONAL FUEL GAS CODE 2015 & AHJ AMENDMENTS
CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION:	310.4 RESIDENTIAL GROUP R-2 SECTION 420 GROUPS R-1, R-1, R-2, R-3 AND R-4 CHAPTER 5 CLASSIFICATION OF WORK: NEW
504.3 HEIGHT IN FEET	R-2 - TYPE V (SPRINKLERED): • ACTUAL: 38FT • ALLOWED: 40FT TYPE VB
504.4 NUMBER OF STORIES	R-2 - TYPE V (SPRINKLERED): • ACTUAL: 3 • ALLOWED: 4
504.2 ALLOWABLE AREA DETERMINATION & 504.3 FRONTAGE INCREASE:	• TABULAR PER FLOOR AREA LIMIT PER CHAPTER 5 = 7000 SQ.FT. • ALLOW HEIGHT = 40 FT; ALLOW STORIES = 3 • GROUP R AND NFPA 13R? YES • NFPA 13 SPRINKLERS? NO • COMPUTE AREA INCREASE DUE TO FRONTAGE: FRONTAGE COEFFICIENT, IF 0.499 • PERIMETER: P 364 FT • FRONTAGE PERIMETER, F 316 FT • WEIGHTED AVERAGE DISTANCE FROM "F" = 24.24 FT • COMPUTE ALLOWABLE PER STORY AREA, AA = AT + (NS X IF) = 10496.23 SQ. FT. • MAXIMUM ALLOWABLE AREA = AA X 3 = 31488.68 SQ. FT. • MAXIMUM NUMBER OF STORIES FOR GROUP R WITH NFPA 13R SPRINKLERS, PER SEC. 903.3.1.2 THIS CRITERIA IS MET, SO STORY LIMIT = 4 • THE REVISED ALLOWABLE HEIGHT IS 40 FT.
508.3 NONSEPARATED OCCUPANCIES:	N/A
508.4 SEPARATED OCCUPANCIES	N/A
TABLE 401 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)	FOR TYPE VB STRUCTURAL FRAME: 0 HR BEARING WALLS- EXTERIOR: 0 HR BEARING WALLS- INTERIOR: 0 HR NON-BEARING WALLS- EXTERIOR - (SEE TABLE 602) NON-BEARING WALLS- INTERIOR: 0 HR FLOOR CONSTRUCTION: 0 HR ROOF CONSTRUCTION: 0 HR
TABLE 402 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE	TYPE-VB FIRE SEPARATION DISTANCE • X < 5C = 1 HR • 5 ≤ X ≤ 10 = 1 HR • 10 ≤ X ≤ 30 = 0 HR • X ≥ 30 = 0 HR
708.3 FIRE-RESISTANCE RATING	CORRIDORS: 1/2HR RATED
711.2.4.3 DWELLING UNITS AND SLEEPING UNITS	BETWEEN DWELLING UNITS: 1HR RATED
SPRINKLERS (SECTION 903 AUTOMATIC SPRINKLER SYSTEMS):	NFPA13R SPRINKLER THROUGHOUT PROJECT (R-2)
SECTION 1020 CORRIDORS	CORRIDORS: 1/2HR RATED
SECTION 1004 OCCUPANT LOAD	SEE SECTION 1021 EGRESS BALCONIES FOR CORRIDOR RATING AT EXTERIOR WALL TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT RESIDENTIAL: 200 GROSS
1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE:	FOR R-2: MAXIMUM COMMON PATH WITH SPRINKLER SYSTEM: 125FT MAXIMUM OCCUPANT LOAD OF SPACE WITH ONE EXIT: 49 FOR R-2: 250 (W/SPRINKLER)
SECTION 1017 EXIT ACCESS TRAVEL DISTANCE:	50FT (WITH SPRINKLERS)
1020.4 DEAD ENDS:	50FT (WITH SPRINKLERS)
SECTION 1021 EGRESS BALCONIES	EXTERIOR EGRESS BALCONIES SHALL BE SEPARATED FROM THE INTERIOR OF THE BUILDING BY WALLS AND OPENING PROTECTIVES AS REQUIRED FOR CORRIDORS. SECTION 1020 CORRIDORS 1020.1 CONSTRUCTION CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLE 1020.1. THE CORRIDOR WALLS REQUIRED TO BE FIRE-RESISTANCE RATED SHALL COMPLY WITH SECTION 708 FOR FIRE PARTITIONS. EXCEPTIONS: CORRIDORS ADJACENT TO THE EXTERIOR WALLS OF BUILDINGS SHALL BE PERMITTED TO HAVE UNPROTECTED OPENINGS ON UNRATED EXTERIOR WALLS WHERE UNRATED WALLS ARE PERMITTED BY TABLE 402 AND UNPROTECTED OPENINGS ARE PERMITTED BY TABLE 705.6
2902.1 MINIMUM NUMBER OF FIXTURES	CLASSIFICATION & OCCUPANCY: --- R-2 • WATER CLOSETS: 1 PER DWELLING • LAVATORIES: 1 PER DWELLING • BATHTUBS/ SHOWERS: 1 PER DWELLING

N/A for this project

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Engineers

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Date	Description
05.19.2022	Progress Set

OCCUPANT LOAD (BASED ON TABLE 1004.1.2)						
Level	Name	Occupancy	Area	Function of Space	Area Allowance Per Occupant	Occupant Load
3RD FLOOR	OUTDOOR CORRIDOR	R-2	635 SF	CIRCULATION	200	3.2
3RD FLOOR	STAIR	R-2	84 SF	CIRCULATION	200	0.4
3RD FLOOR	STAIR	R-2	81 SF	CIRCULATION	200	0.4
3RD FLOOR	BALCONY	R-2	123 SF	RESIDENTIAL	200	0.6
3RD FLOOR	BALCONY	R-2	123 SF	RESIDENTIAL	200	0.6
3RD FLOOR	PORCH	R-2	224 SF	RESIDENTIAL	200	1.1
3RD FLOOR	PORCH	R-2	107 SF	RESIDENTIAL	200	0.5
3RD FLOOR	PORCH	R-2	101 SF	RESIDENTIAL	200	0.5
3RD FLOOR	PORCH	R-2	142 SF	RESIDENTIAL	200	0.7
3RD FLOOR	1BD-T1	R-2	770 SF	RESIDENTIAL - 1BD	200	3.9
3RD FLOOR	1BD-T1	R-2	770 SF	RESIDENTIAL - 1BD	200	3.9
3RD FLOOR	STUDIO - T1	R-2	618 SF	RESIDENTIAL - ST	200	3.1
3RD FLOOR	STUDIO - T1	R-2	618 SF	RESIDENTIAL - ST	200	3.1
3RD FLOOR	STUDIO - T2	R-2	525 SF	RESIDENTIAL - ST	200	2.6
3RD FLOOR	STUDIO - T2	R-2	525 SF	RESIDENTIAL - ST	200	2.6
3RD FLOOR: 15			5447 SF			27.2
2ND FLOOR	OUTDOOR CORRIDOR	R-2	613 SF	CIRCULATION	200	3.1
2ND FLOOR	STAIR	R-2	84 SF	CIRCULATION	200	0.4
2ND FLOOR	STAIR	R-2	84 SF	CIRCULATION	200	0.4
2ND FLOOR	BALCONY	R-2	123 SF	RESIDENTIAL	200	0.6
2ND FLOOR	BALCONY	R-2	123 SF	RESIDENTIAL	200	0.6
2ND FLOOR	PORCH	R-2	334 SF	RESIDENTIAL	200	1.7
2ND FLOOR	PORCH	R-2	107 SF	RESIDENTIAL	200	0.5
2ND FLOOR	PORCH	R-2	101 SF	RESIDENTIAL	200	0.5
2ND FLOOR	PORCH	R-2	142 SF	RESIDENTIAL	200	0.7
2ND FLOOR	1BD-T1	R-2	770 SF	RESIDENTIAL - 1BD	200	3.9
2ND FLOOR	1BD-T1	R-2	770 SF	RESIDENTIAL - 1BD	200	3.9
2ND FLOOR	STUDIO - T1	R-2	617 SF	RESIDENTIAL - ST	200	3.1
2ND FLOOR	STUDIO - T1	R-2	617 SF	RESIDENTIAL - ST	200	3.1
2ND FLOOR	STUDIO - T2	R-2	525 SF	RESIDENTIAL - ST	200	2.6
2ND FLOOR	STUDIO - T2	R-2	525 SF	RESIDENTIAL - ST	200	2.6
2ND FLOOR: 15			5537 SF			27.7
1ST FLOOR	OUTDOOR CORRIDOR	R-2	759 SF	CIRCULATION	200	3.8
1ST FLOOR	STAIR	R-2	84 SF	CIRCULATION	200	0.4
1ST FLOOR	STAIR	R-2	84 SF	CIRCULATION	200	0.4
1ST FLOOR	PATIO	R-2	84 SF	RESIDENTIAL	200	0.4
1ST FLOOR	PATIO	R-2	149 SF	RESIDENTIAL	200	0.7
1ST FLOOR	PATIO	R-2	98 SF	RESIDENTIAL	200	0.5
1ST FLOOR	PATIO	R-2	96 SF	RESIDENTIAL	200	0.5
1ST FLOOR	PATIO	R-2	141 SF	RESIDENTIAL	200	0.8
1ST FLOOR	PATIO	R-2	90 SF	RESIDENTIAL	200	0.4
1ST FLOOR	PORCH	R-2	145 SF	RESIDENTIAL	200	0.7
1ST FLOOR	PORCH	R-2	97 SF	RESIDENTIAL	200	0.5
1ST FLOOR	PORCH	R-2	94 SF	RESIDENTIAL	200	0.5
1ST FLOOR	PORCH	R-2	86 SF	RESIDENTIAL	200	0.4
1ST FLOOR	1BD-T1	R-2	770 SF	RESIDENTIAL - 1BD	200	3.9
1ST FLOOR	1BD-T1	R-2	770 SF	RESIDENTIAL - 1BD	200	3.9
1ST FLOOR	STUDIO - T1	R-2	615 SF	RESIDENTIAL - ST	200	3.1
1ST FLOOR	STUDIO - T1	R-2	615 SF	RESIDENTIAL - ST	200	3.1
1ST FLOOR	STUDIO - T2	R-2	522 SF	RESIDENTIAL - ST	200	2.6
1ST FLOOR	STUDIO - T2	R-2	522 SF	RESIDENTIAL - ST	200	2.6
1ST FLOOR: 19			5842 SF			29.2
Grand total: 49			18262 SF			84.1

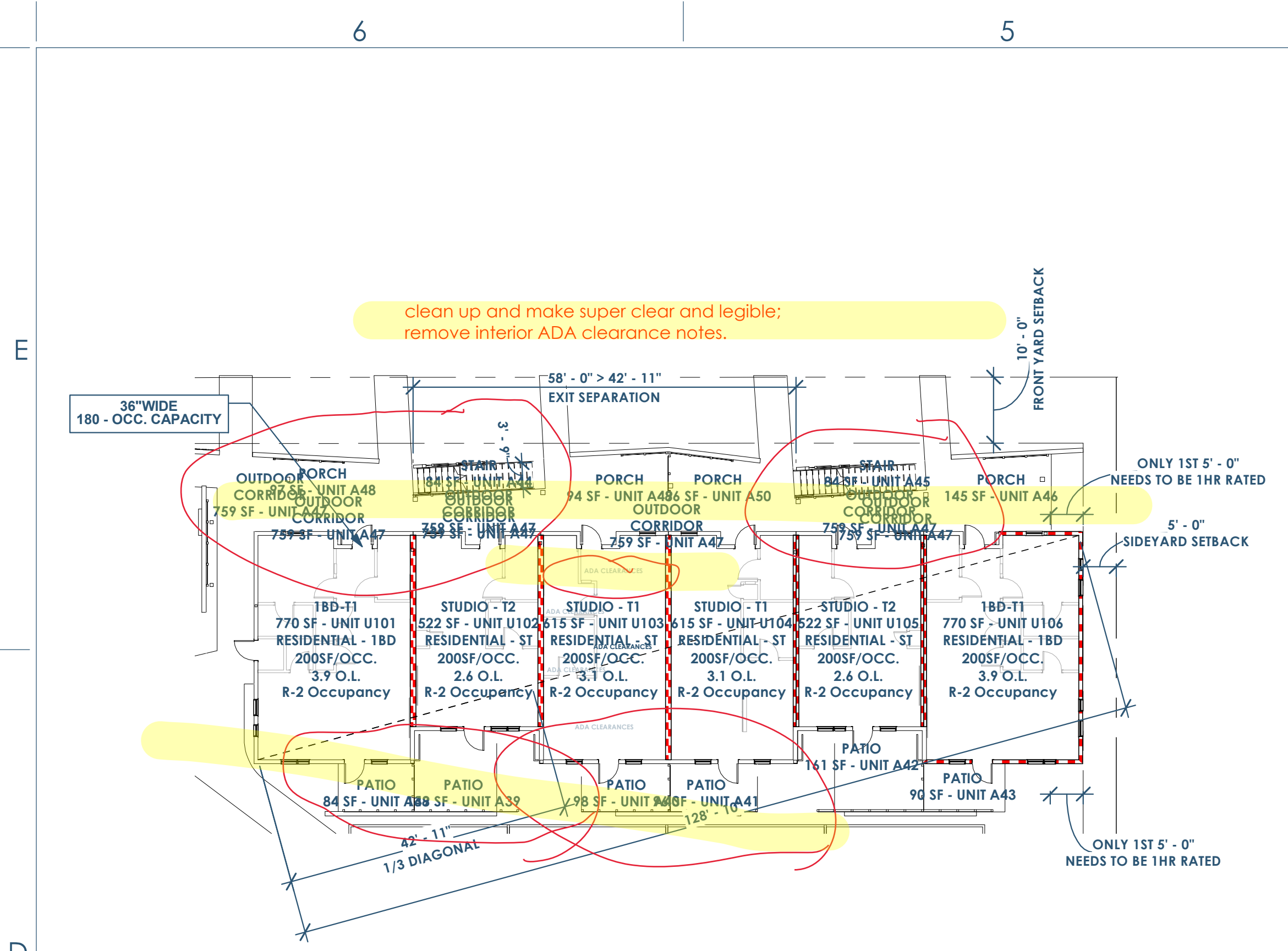
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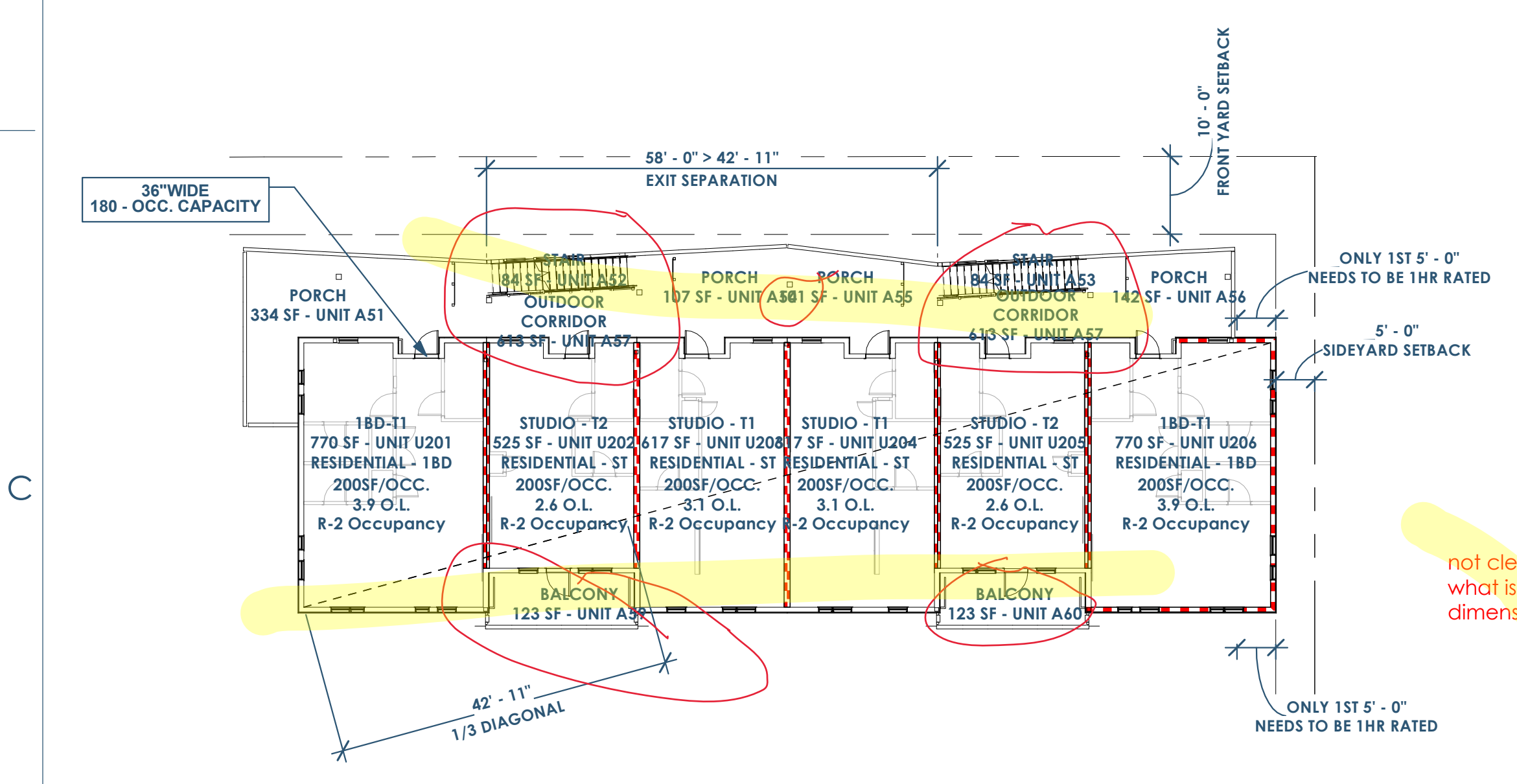
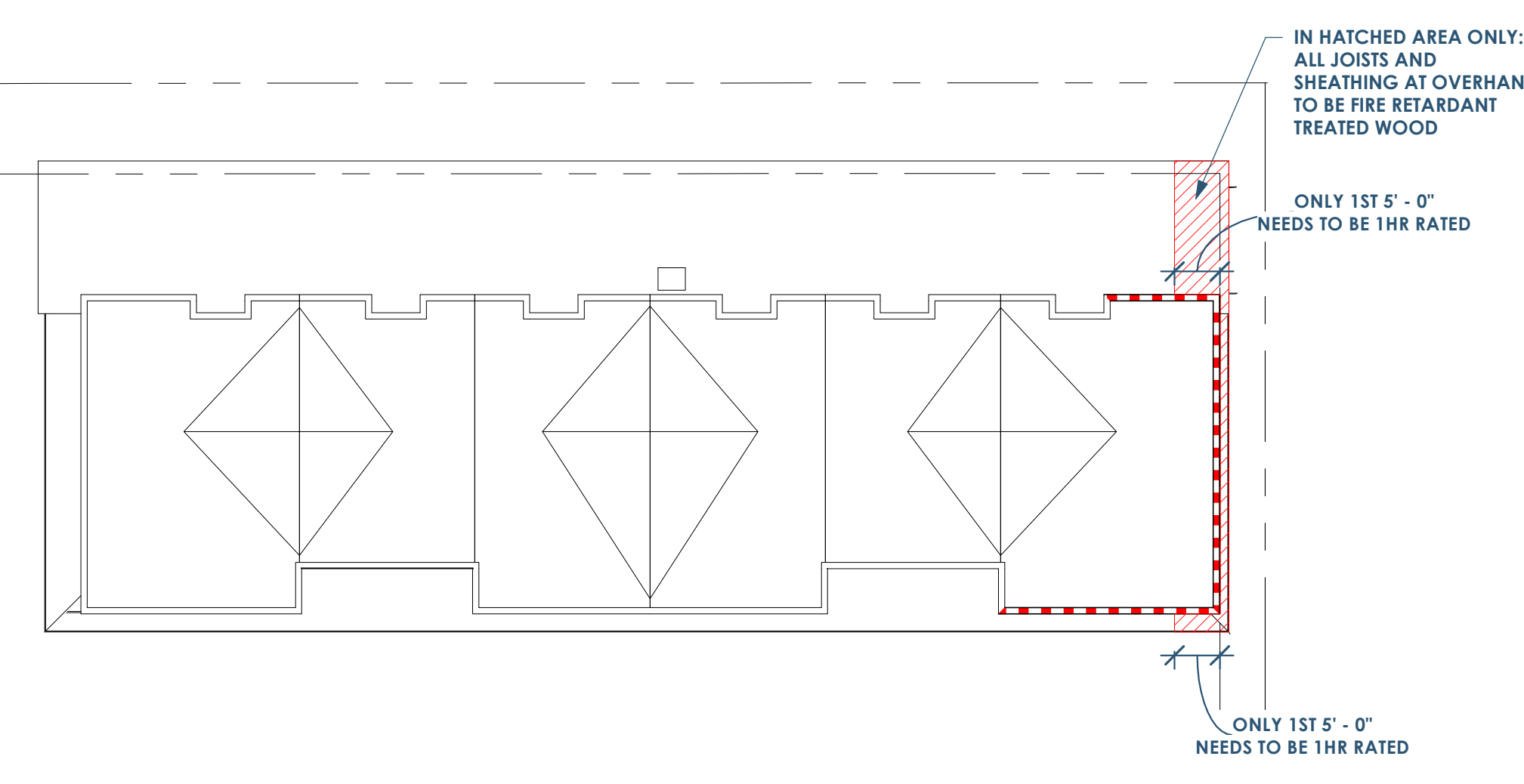
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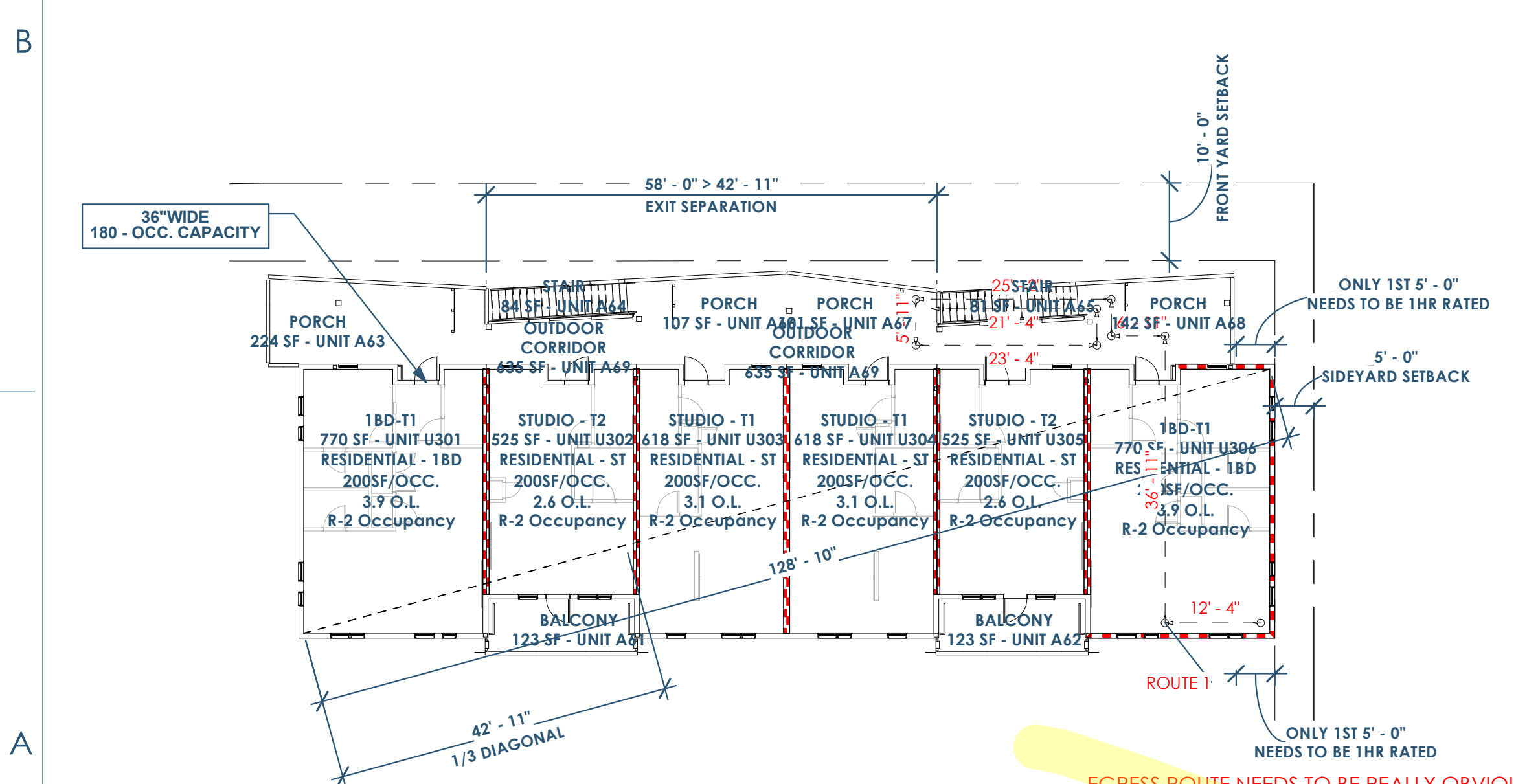
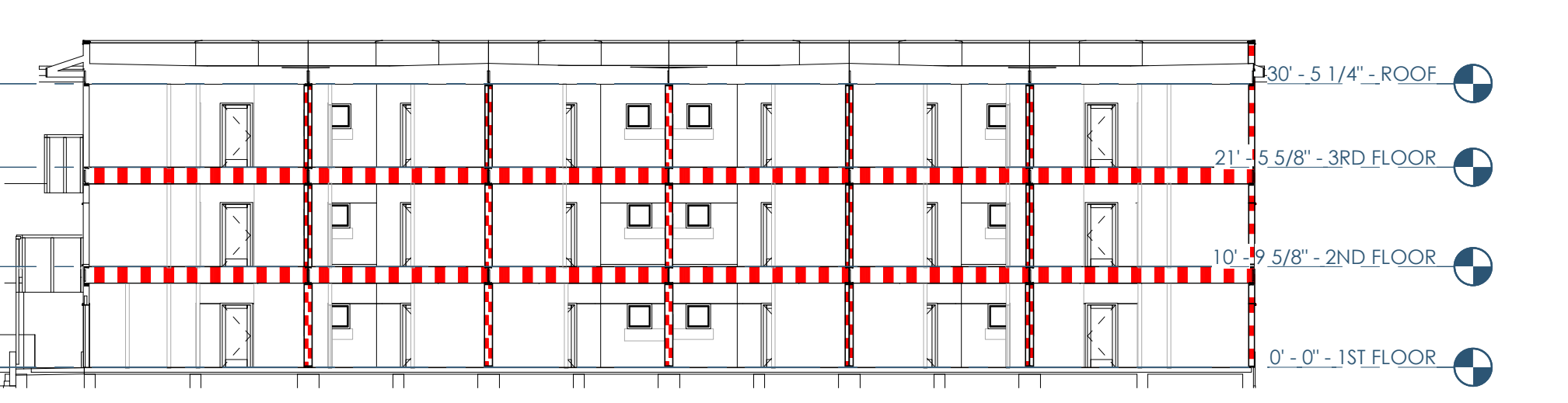
4B A001 LIFE SAFETY - 1ST FLOOR  
1/16" = 1'-0"

5 A001 LIFE SAFETY - ROOF  
1/16" = 1'-0"

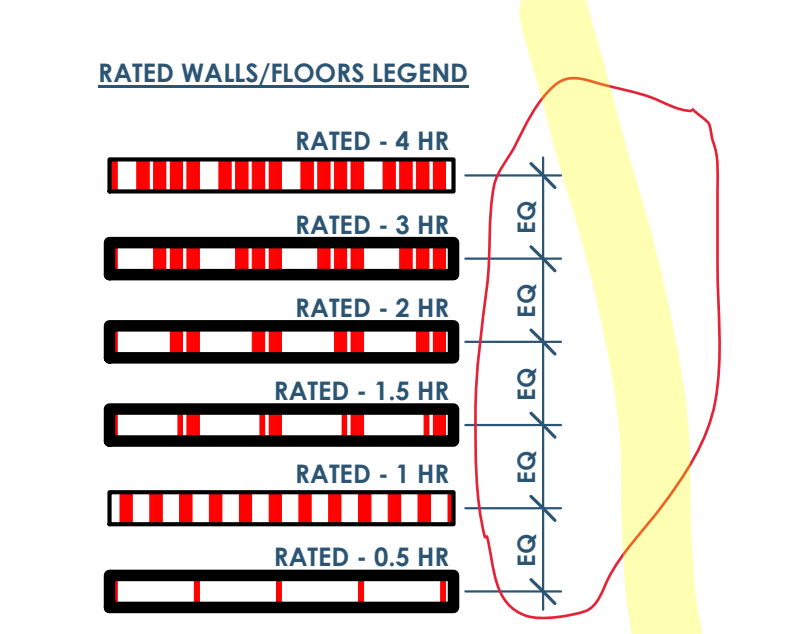


6C A001 LIFE SAFETY - 2ND FLOOR  
1/16" = 1'-0"

1 A001 LIFE SAFETY SECTION - EAST/WEST  
1/16" = 1'-0"



4A A001 LIFE SAFETY - 3RD FLOOR  
1/16" = 1'-0"



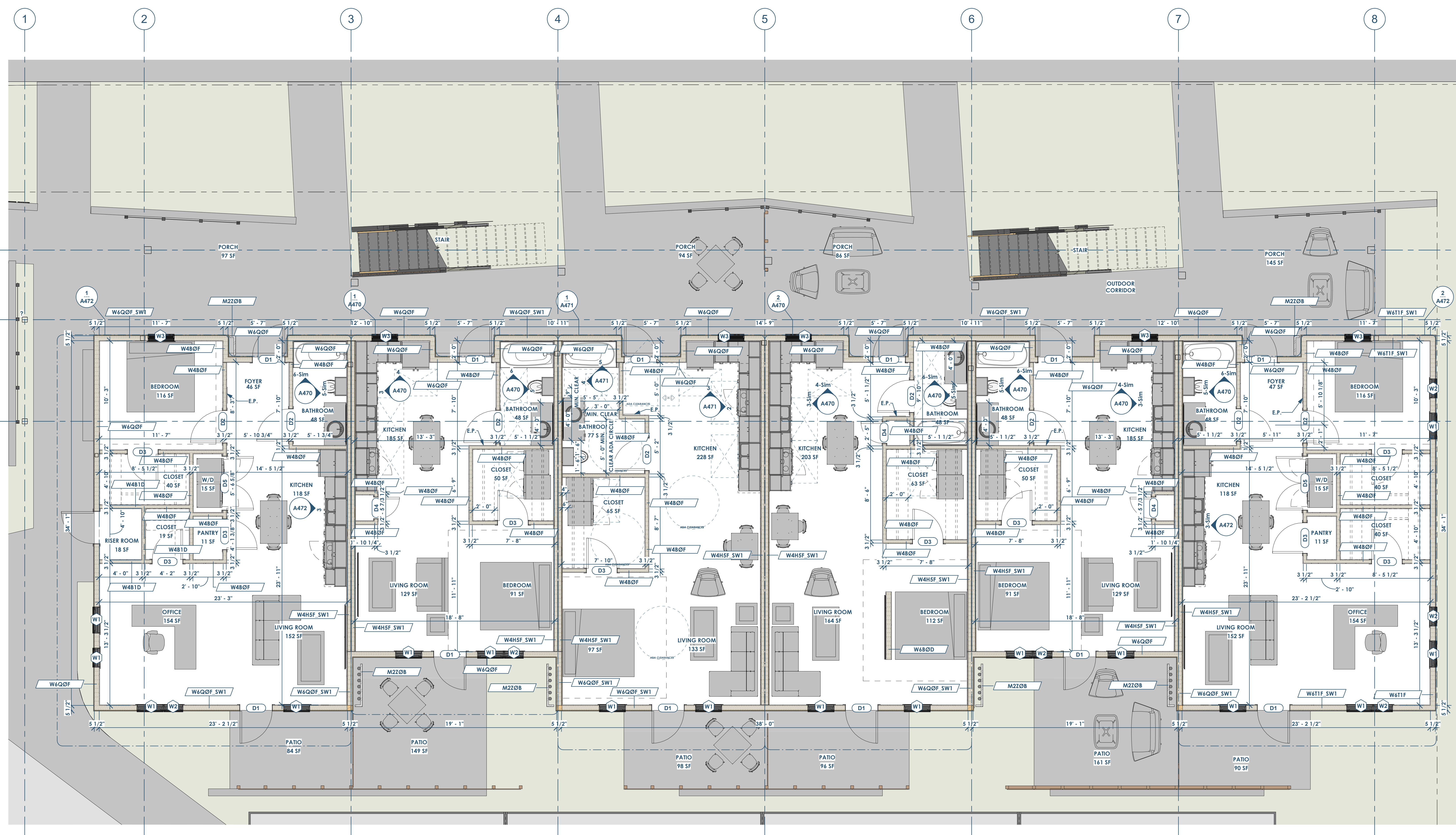
**EGRESS DATA**

EXIT ROUTE	DISTANCE
ROUTE 1	141' - 4"

EGRESS ROUTE NEEDS TO BE REALLY OBVIOUS - RIGHT NOW IT GETS LOST UNDER ALL THE TEXT. MAYBE MAKE THE BLACK DASHED LINE HEAVIER AND MAKE IT A SEPARATE DIAGRAM WITHOUT ALL THE OTHER TEXT AND NOTES ON THE SAME PLAN. IF THE CITY HAS TO TAKE MORE THAN 2 SECONDS TO FIGURE SOMETHING OUT THEY WILL LABEL IT AS MISSING AND KICK IT BACK TO US, WHICH WILL COST MORE TIME.

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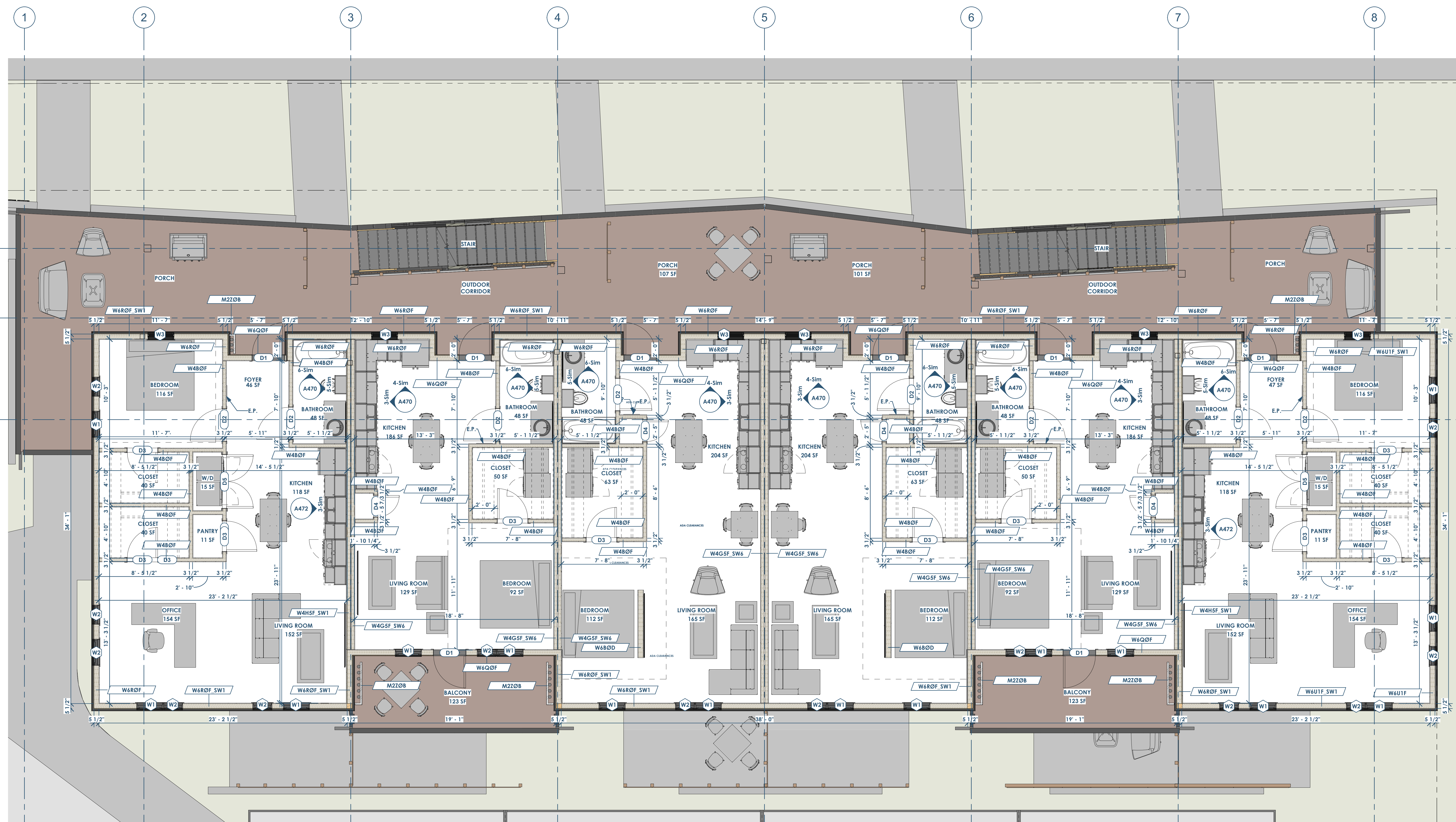


1 FLOOR PLAN - 1ST FLOOR  
1/4" = 1'-0"

- 1. REMOVE FURNITURE FROM THIS PLAN
- 2. DIMENSION GRID LINES AND TIE EXTERIOR WALLS TO GRID LINES. CONVENTION WITH WOOD FRAMING IS TYP. TO ONE SIDE OF WALL OR THE OTHER, TO CENTER LINE OF WINDOWS AND DOORS, NOT TYP. TO DIMENSION STUD THICKNESSES B/C INFO IS ALREADY CALLED OUT IN PARTITION TYPE TAG AND WALL SECTIONS.
- 3. OVERALL BUILDING DIMENSIONS ARE MISSING. SINCE ENLARGED PLANS SHOW DETAILED INTERIOR INFORMATION FOR THE UNITS, IT SHOULDN'T BE DUPLICATED HERE. THESE PLANS SHOULD FOCUS MORE ON THE OVERALL FLOOR PLAN INFORMATION.
- 4. REFERENCE HOW THE SPACE PLAN UNIT LAYOUTS ARE SHOWN ON THE PERMIT DRAWINGS FOR THEIR PREVIOUS PROJECT. LESS IS MORE WHEN IT COMES TO THE CITY. THERE CAN ALWAYS BE ANOTHER SHEET WITH FURNITURE AND MORE LABELED SPACES FOR ANY DRAWINGS THE RW USE FOR MARKETING.
- IF THE PLAN REVIEWER HAS TO TAKE MORE THAN A FEW SECONDS TO FIND WHAT THEY ARE LOOKING FOR, THEY WILL LABEL IT AS MISSING AND KICK IT BACK TO US. ALSO, IF THEY SEE SOMETHING LABELED A BEDROOM WHEN WE ARE CALLING IT THE UNIT A STUDIO, THEY MIGHT ANALYZE IT DIFFERENTLY AND COME UP WITH ADDITIONAL RULES THAT APPLY.
- 5. ADD GENERAL NOTE TO REFERENCE SHEET A800 FOR PARTITION TYPES.
- 6. ADD EXTERIOR ELEVATION TAGS AND BUILDING SECTION CUTS.

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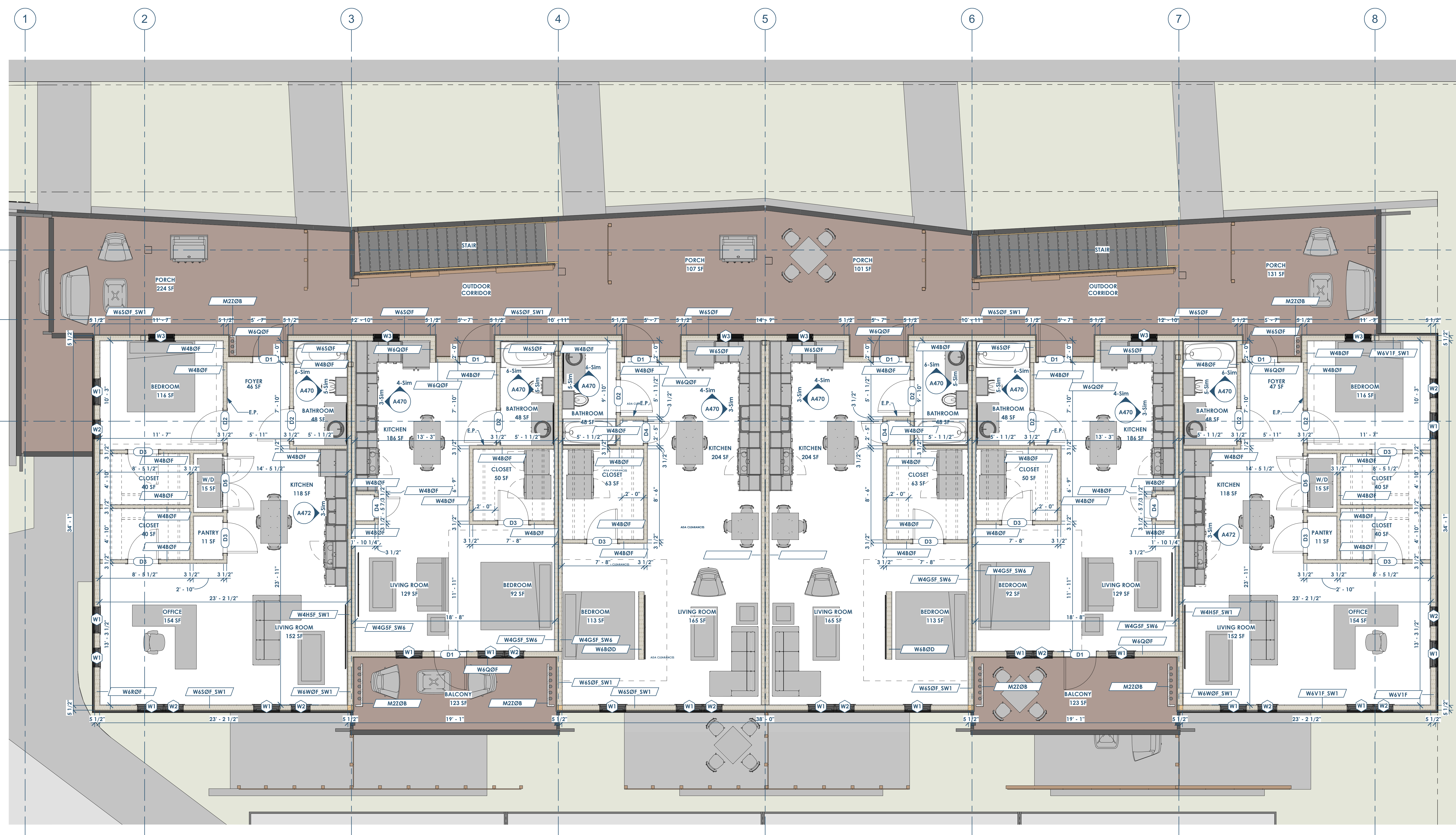


1  
A102 FLOOR PLAN - 2ND FLOOR  
1/4" = 1'-0"

REF. COMMENTS A101

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Date	Description
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1 A103 FLOOR PLAN - 3RD FLOOR  
1/4" = 1'-0"

REF. COMMENTS A101

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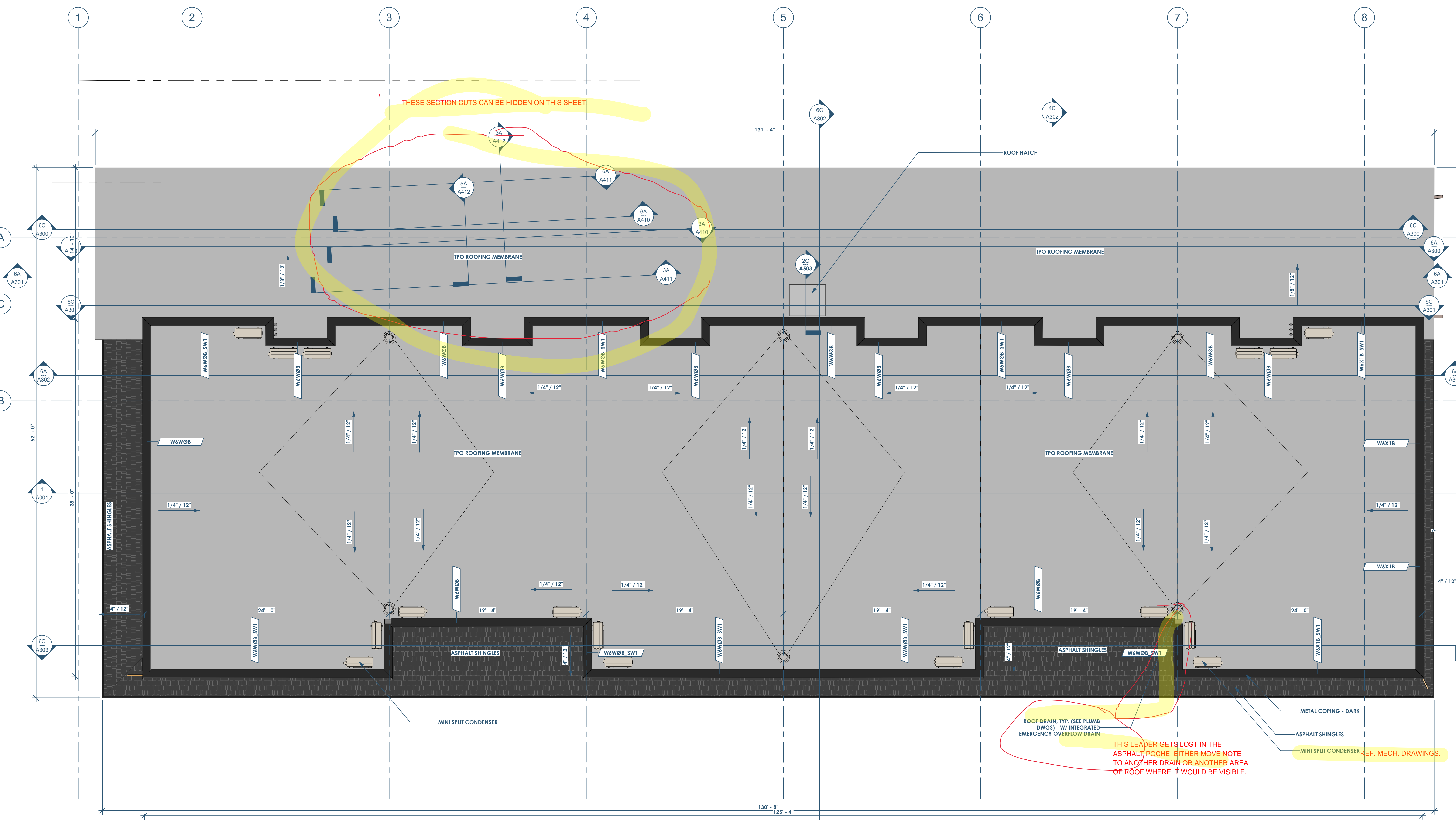
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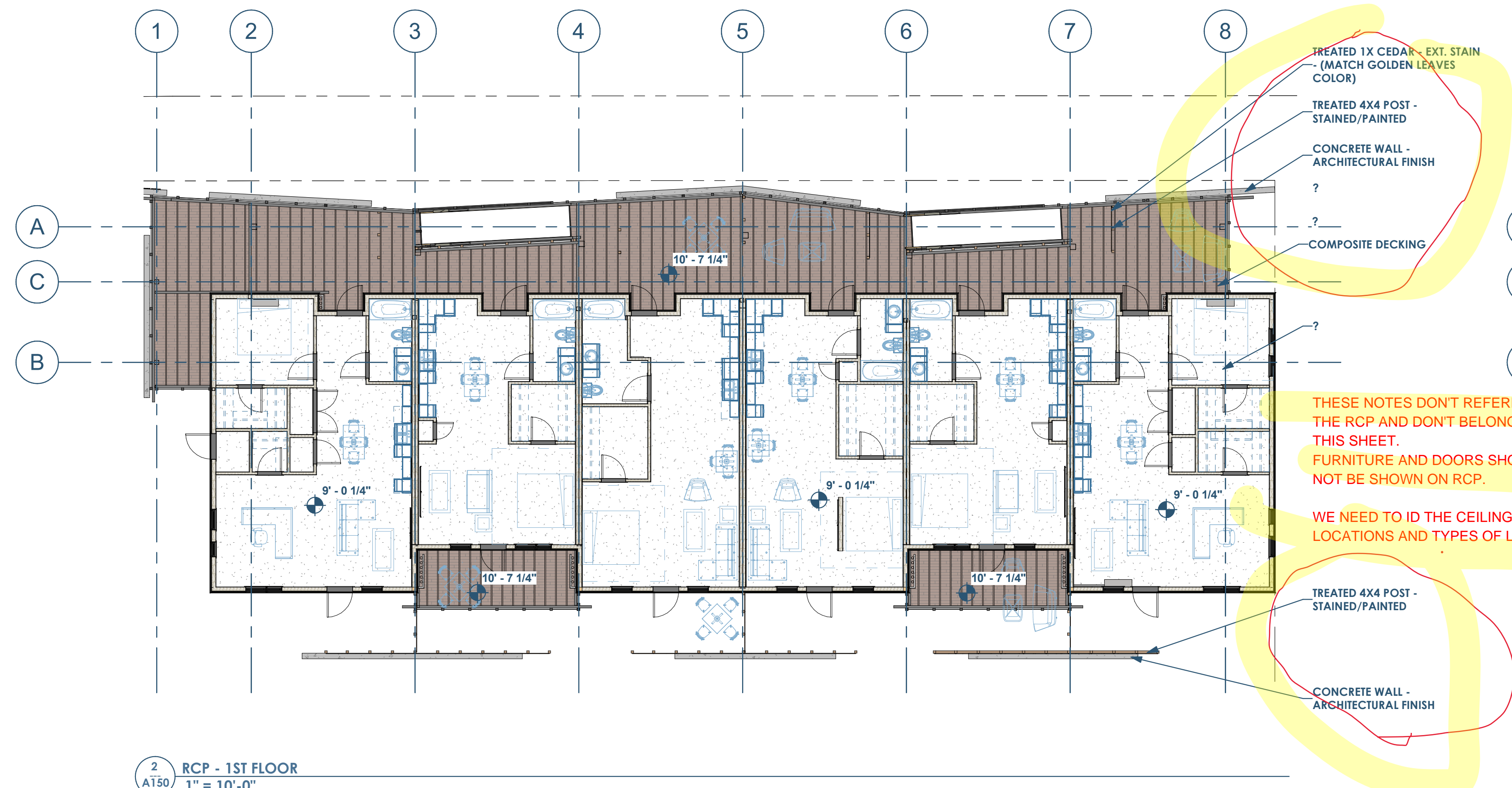
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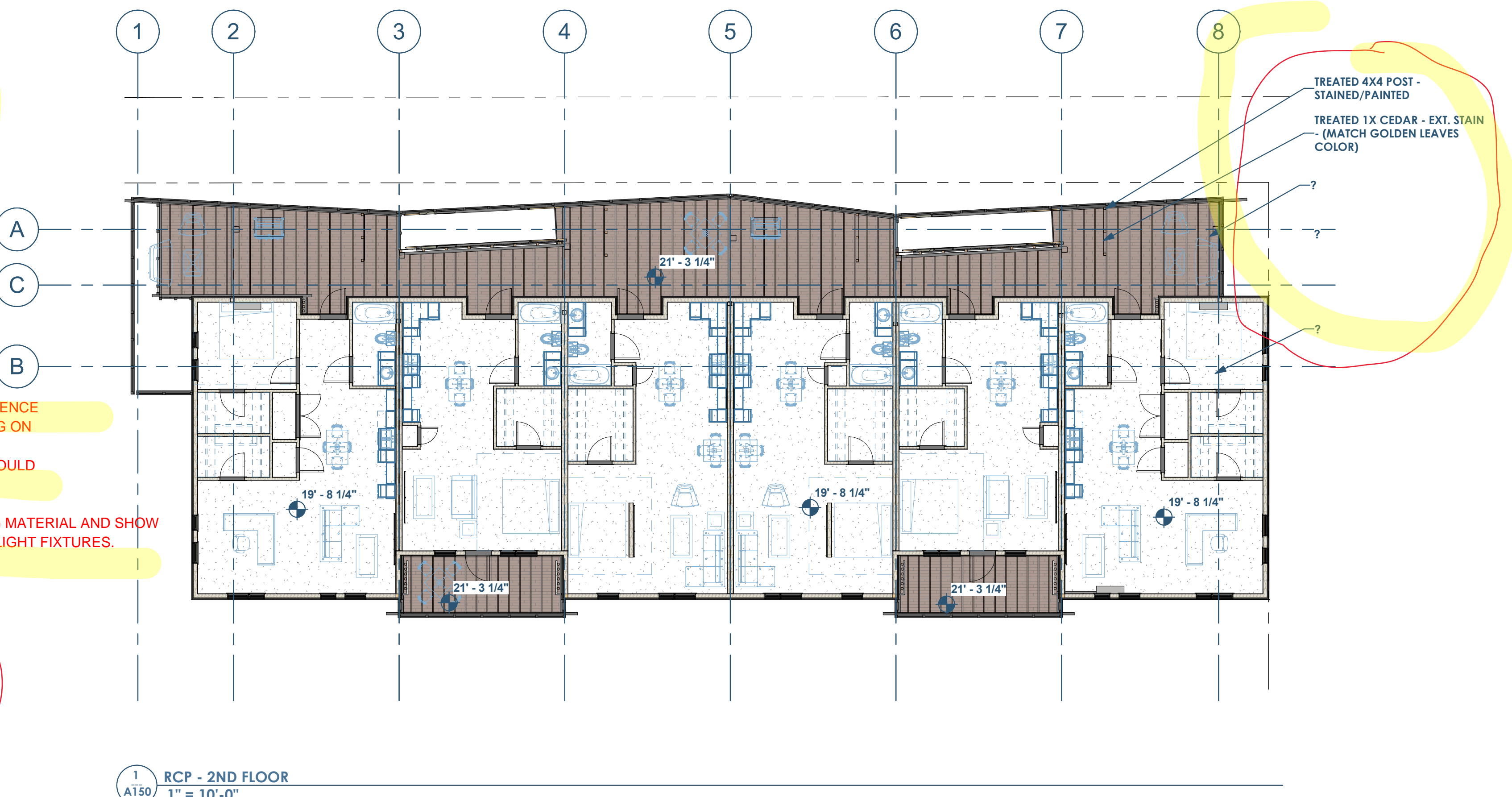
68 A104 FLOOR PLAN - ROOF  
1/4" = 1'-0"

Date	Description
05.19.2022	Progress Set

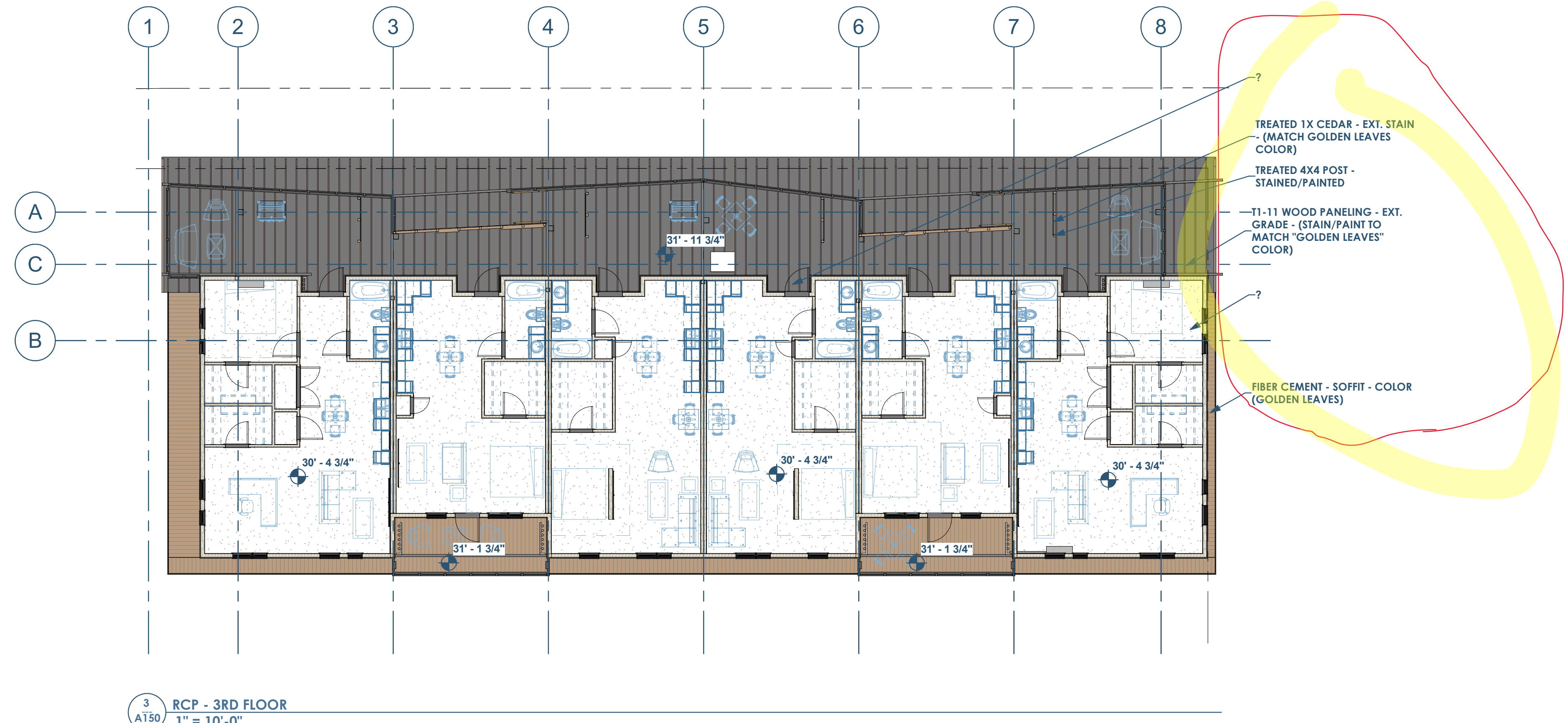
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2 RCP - 1ST FLOOR  
1" = 10'-0"



1 RCP - 2ND FLOOR  
1" = 10'-0"



3 RCP - 3RD FLOOR  
1" = 10'-0"

- TREATED 1X CEDAR - EXT. STAIN (MATCH GOLDEN LEAVES COLOR)
- TREATED 4X4 POST - STAINED/PAINTED
- CONCRETE WALL - ARCHITECTURAL FINISH
- ?
- COMPOSITE DECKING

THESE NOTES DON'T REFERENCE THE RCP AND DON'T BELONG ON THIS SHEET.  
FURNITURE AND DOORS SHOULD NOT BE SHOWN ON RCP.

WE NEED TO ID THE CEILING MATERIAL AND SHOW LOCATIONS AND TYPES OF LIGHT FIXTURES.

- TREATED 4X4 POST - STAINED/PAINTED
- CONCRETE WALL - ARCHITECTURAL FINISH

- TREATED 4X4 POST - STAINED/PAINTED
- TREATED 1X CEDAR - EXT. STAIN (MATCH GOLDEN LEAVES COLOR)
- ?

- TREATED 1X CEDAR - EXT. STAIN (MATCH GOLDEN LEAVES COLOR)
- TREATED 4X4 POST - STAINED/PAINTED
- T1-11 WOOD PANELING - EXT. GRADE - (STAIN/PAIN TO MATCH "GOLDEN LEAVES" COLOR)
- ?
- FIBER CEMENT - SOFFIT - COLOR (GOLDEN LEAVES)

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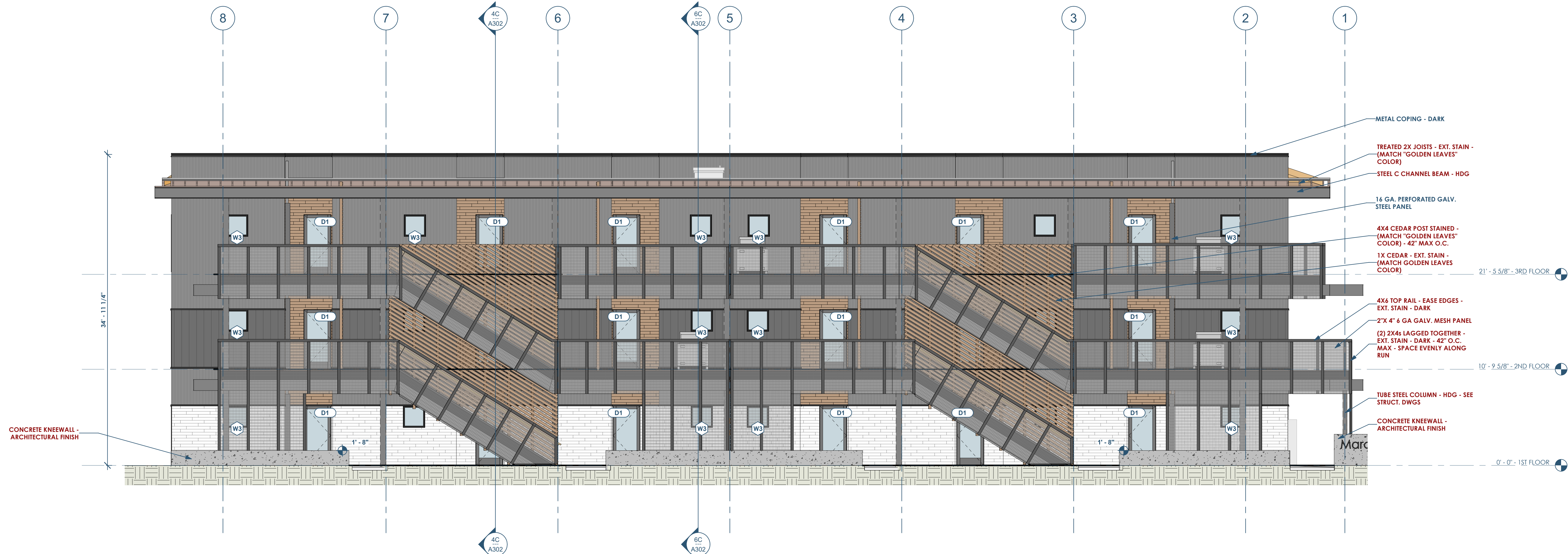
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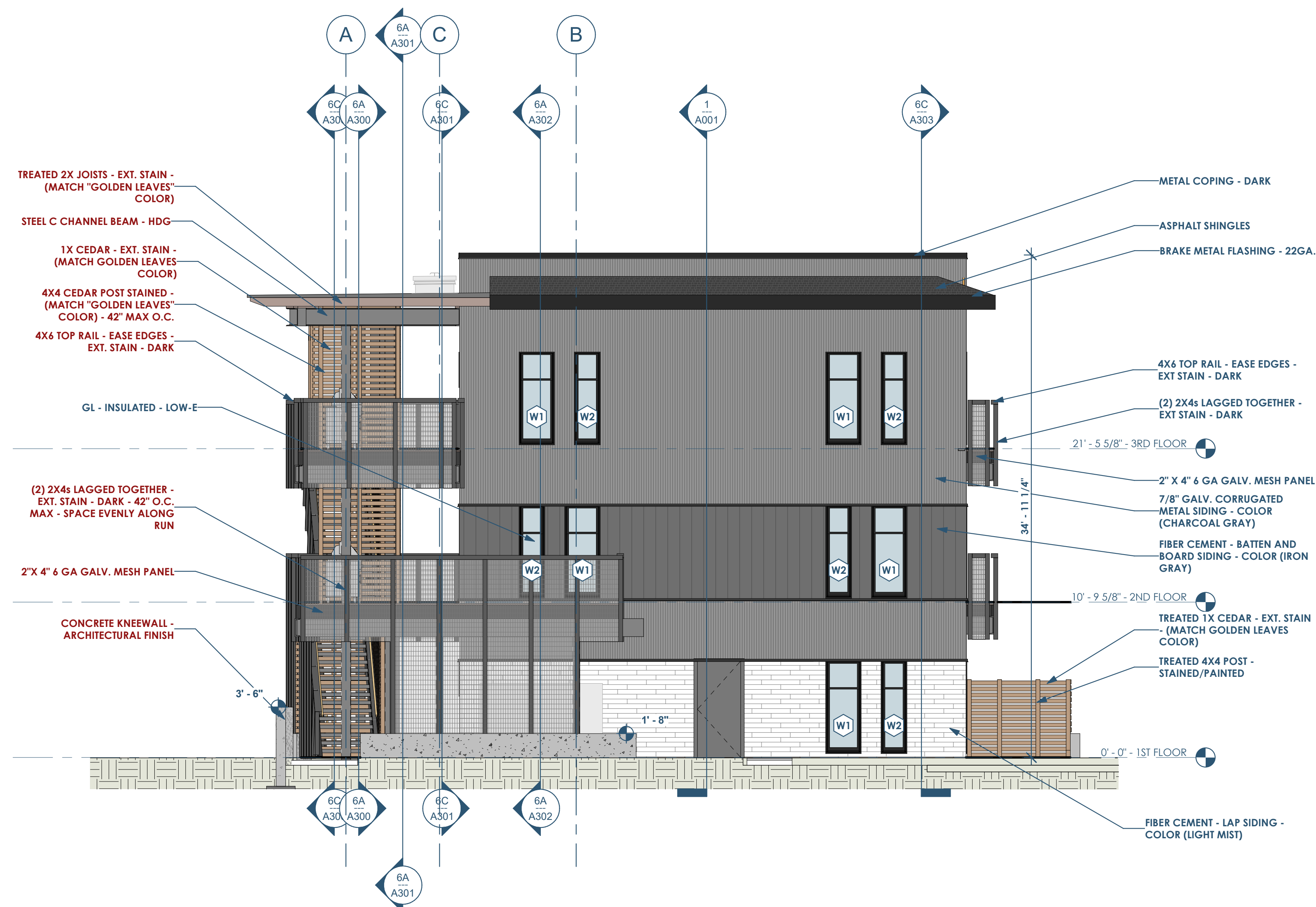
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**openingdesign**  
Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set



4C A200 BUILDING ELEVATION - NORTH  
3/16" = 1'-0"



5A A200 BUILDING ELEVATION - WEST  
3/16" = 1'-0"

BUILDING ELEVATION - NORTH/WEST

MARCO POLO - 101 W 33RD STREET - CITY OF BRYAN TOWNSITE, BLOCK 96, LOT 3-5 & PT OF 6 & PT OF ALLEY - BRYAN, TX 77803

**RENOVATION**  
Wranglers

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Katerneason@wrangler.com | 979.450.9969

**LKB**  
ARCHITECTURE

Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

**DUDLEY**  
STRUCTURAL

Structural: Dudley  
4102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS

MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com

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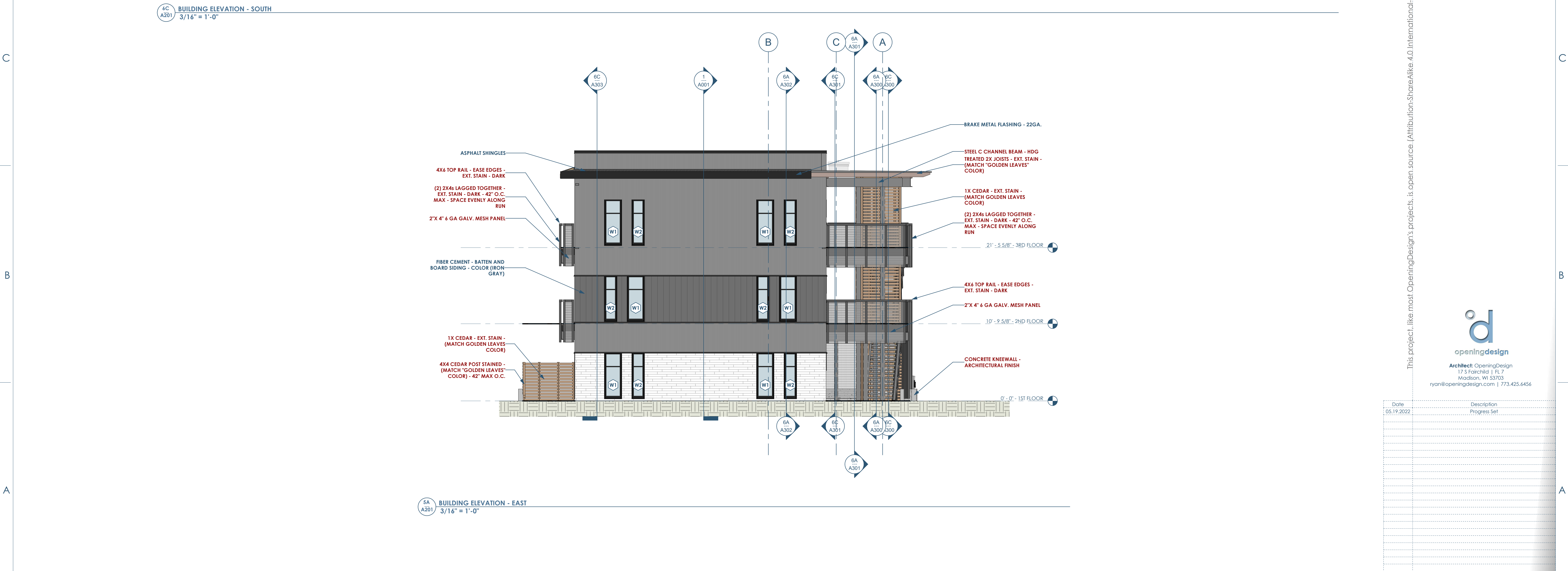
**openingdesign**

Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set

A200





**RENOVATION**  
Wranglers  
Engineers

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Kateneason@wranglers.com | 979.450.9969

**LKB**  
ARCHITECTURE  
Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

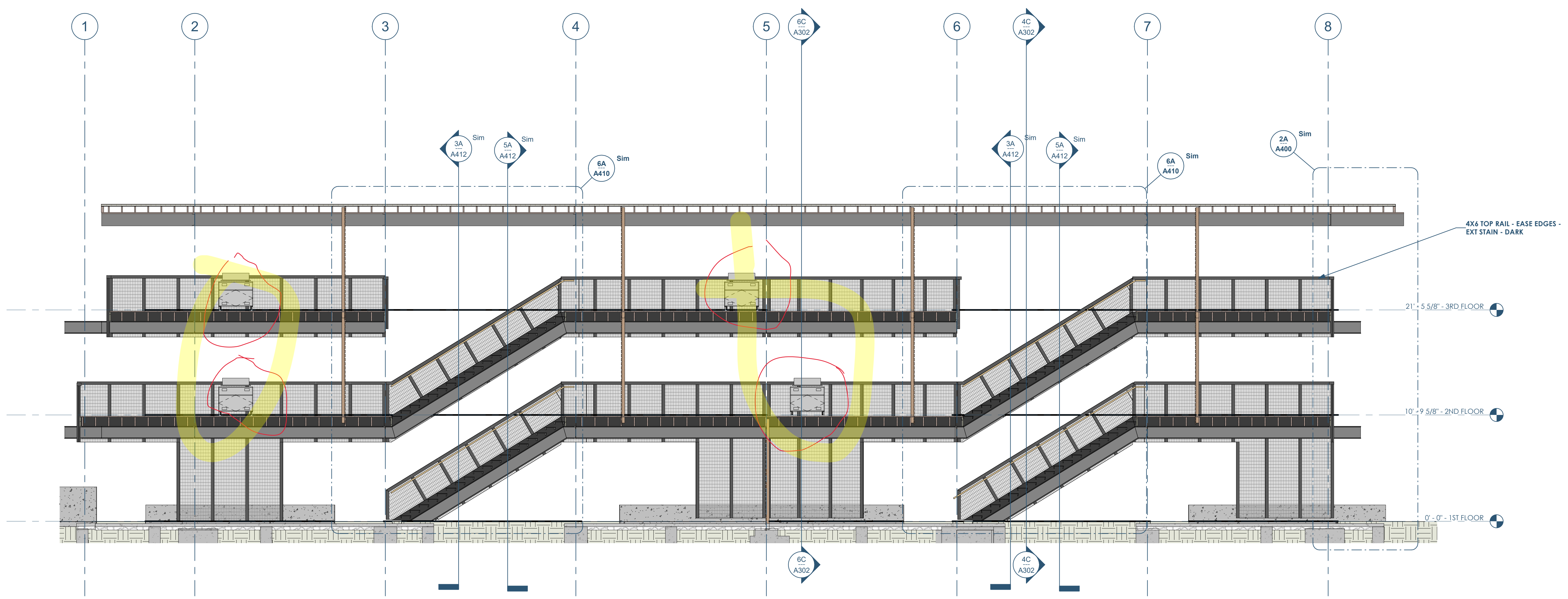
**DUDDLEY**  
Structural: Dudley  
4102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS  
MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com

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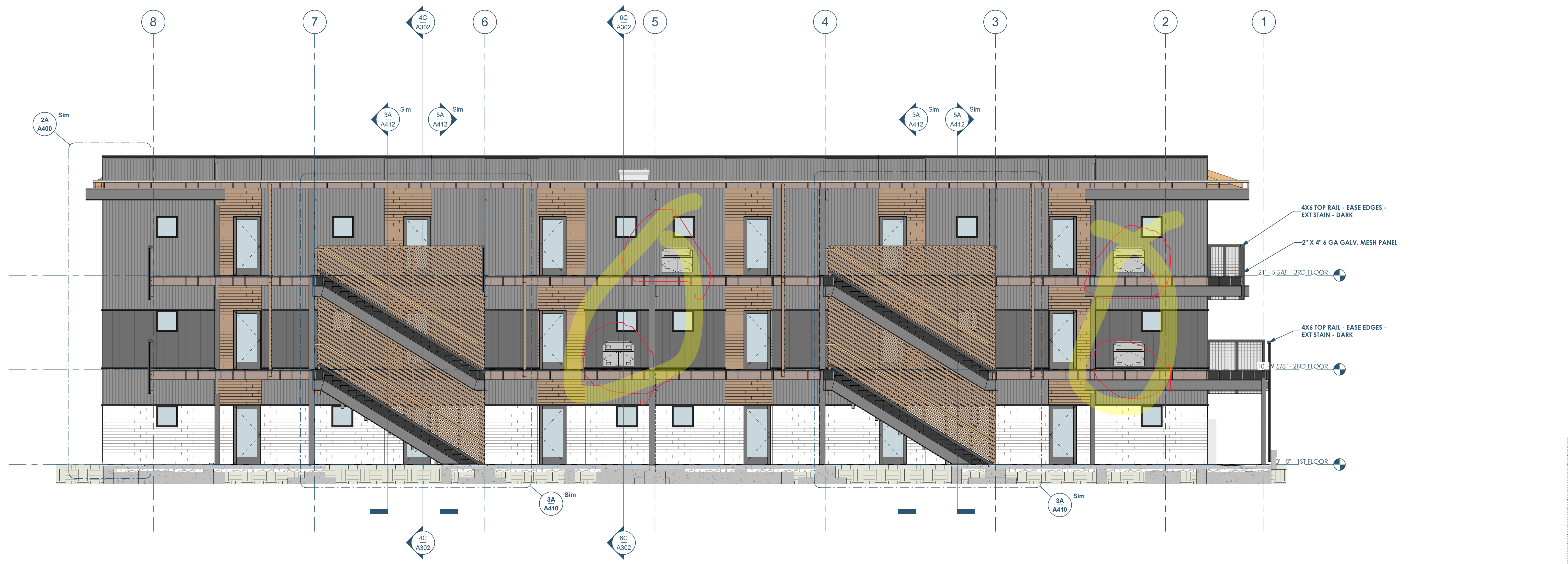
**openingdesign**  
Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set



4C A300 BUILDING SECTION - THROUGH STAIRS - LOOKING NORTH  
3/16" = 1'-0"

HIDE ANY EQUIPMENT THAT OWNER IS NOT PROVIDING.



5A A300 BUILDING SECTION - THROUGH STAIRS - LOOKING SOUTH  
3/16" = 1'-0"

**RENOVATION**  
Wranglers  
Engineers

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
kate@renovations.com | 979.450.9969

**LKB**  
ARCHITECTURE

Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

**DUDLEY**  
STRUCTURAL

Structural: Dudley  
4102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS

MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com

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**openingdesign**

Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set

**RENOVATION**  
Wranglers  
Engineers

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Kateneason@time.com | 979.450.9969

**LKB**  
ARCHITECTURE

Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

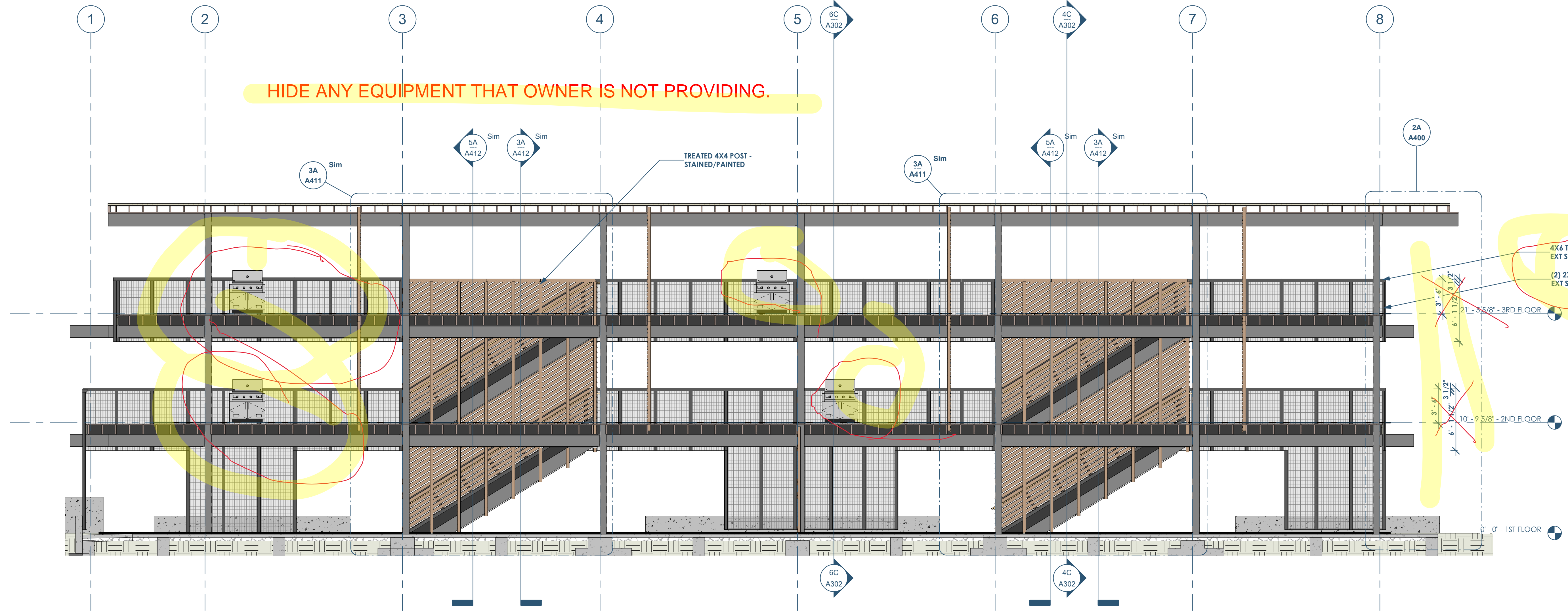
**DUDLEY**  
Structural: Dudley  
6102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS

MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com



4C A301 BUILDING SECTION - THRU BALCONY - LOOKING SOUTH  
3/16" = 1'-0"



6A A301 BUILDING SECTION - THRU BALCONY - LOOKING NORTH  
3/16" = 1'-0"

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**openingdesign**

Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set

**RENOVATION**  
Wranglers  
Engineers

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Kateneason@time.com | 979.450.9969

**LKB**  
ARCHITECTURE

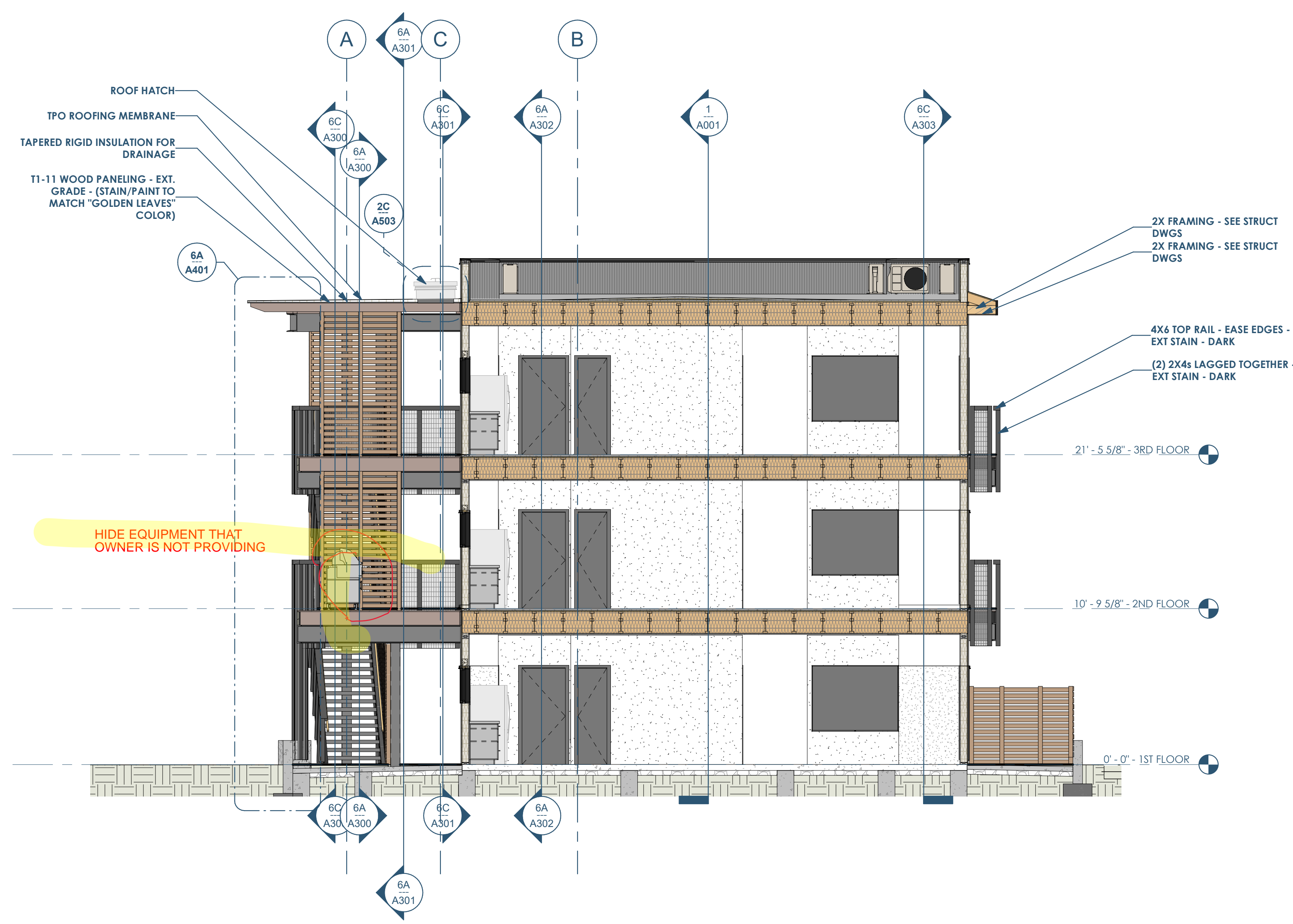
Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

**DUDLEY**

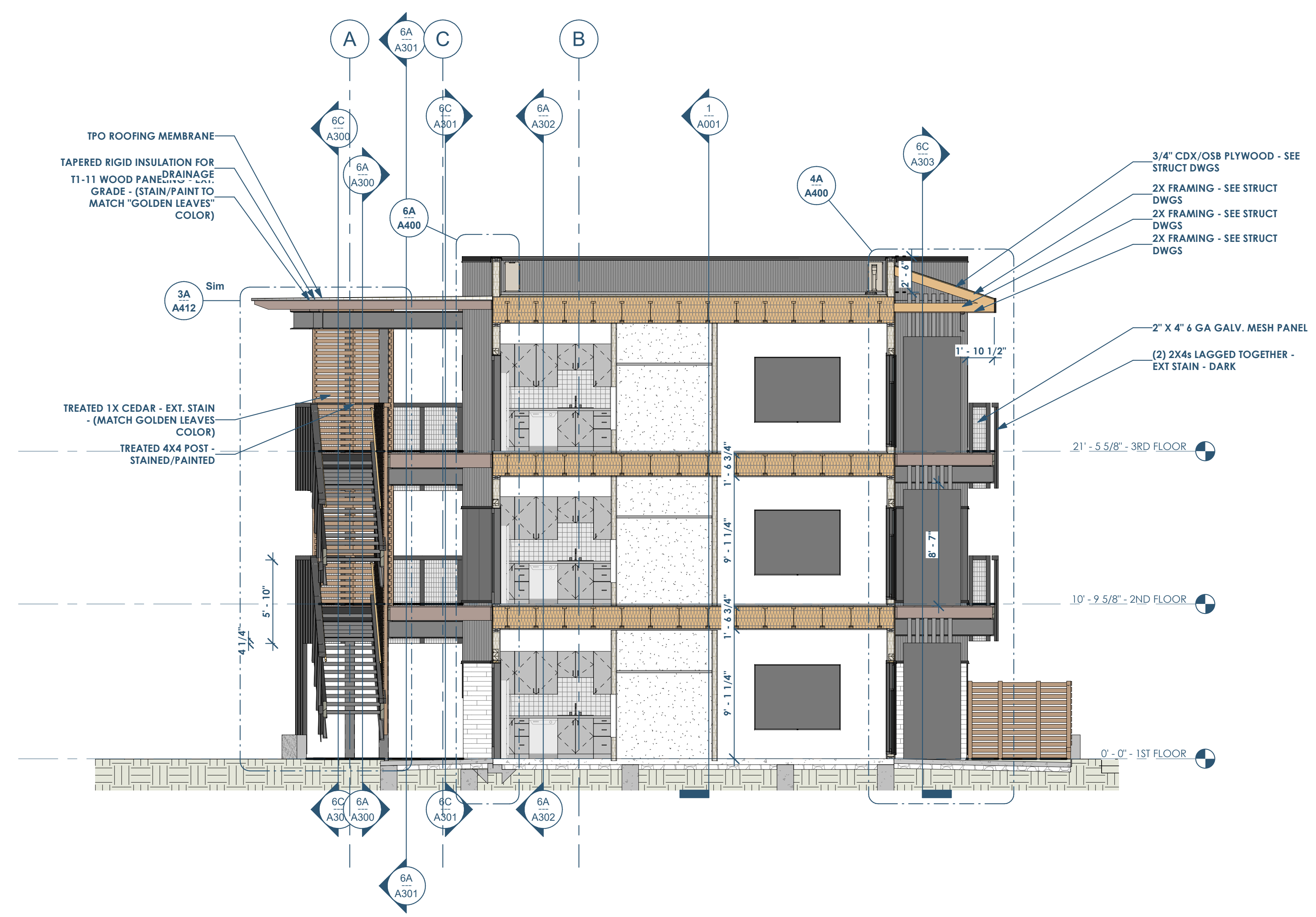
Structural: Dudley  
4102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS

MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com



4C A302 BUILDING SECTION - THRU LARGE STUDIO - LOOKING EAST  
3/16" = 1'-0"



4C A302 BUILDING SECTION - THRU SMALL STUDIO - LOOKING EAST  
3/16" = 1'-0"



4A A302 BUILDING SECTION - EAST/WEST - LOOKING NORTH  
3/16" = 1'-0"

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**openingdesign**

Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set



4C  
A303 BUILDING SECTION - EAST/WEST - AT SOUTH BALCONIES - LOOKING SOUTH  
3/16" = 1'-0"

**RENOVATION**  
Wranglers  
Engineers

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Kateneason@wranglers.com | 979.450.9969

**LKB**  
ARCHITECTURE

Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

**DUDLEY**  
STRUCTURE

Structural: Dudley  
6102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS

MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com

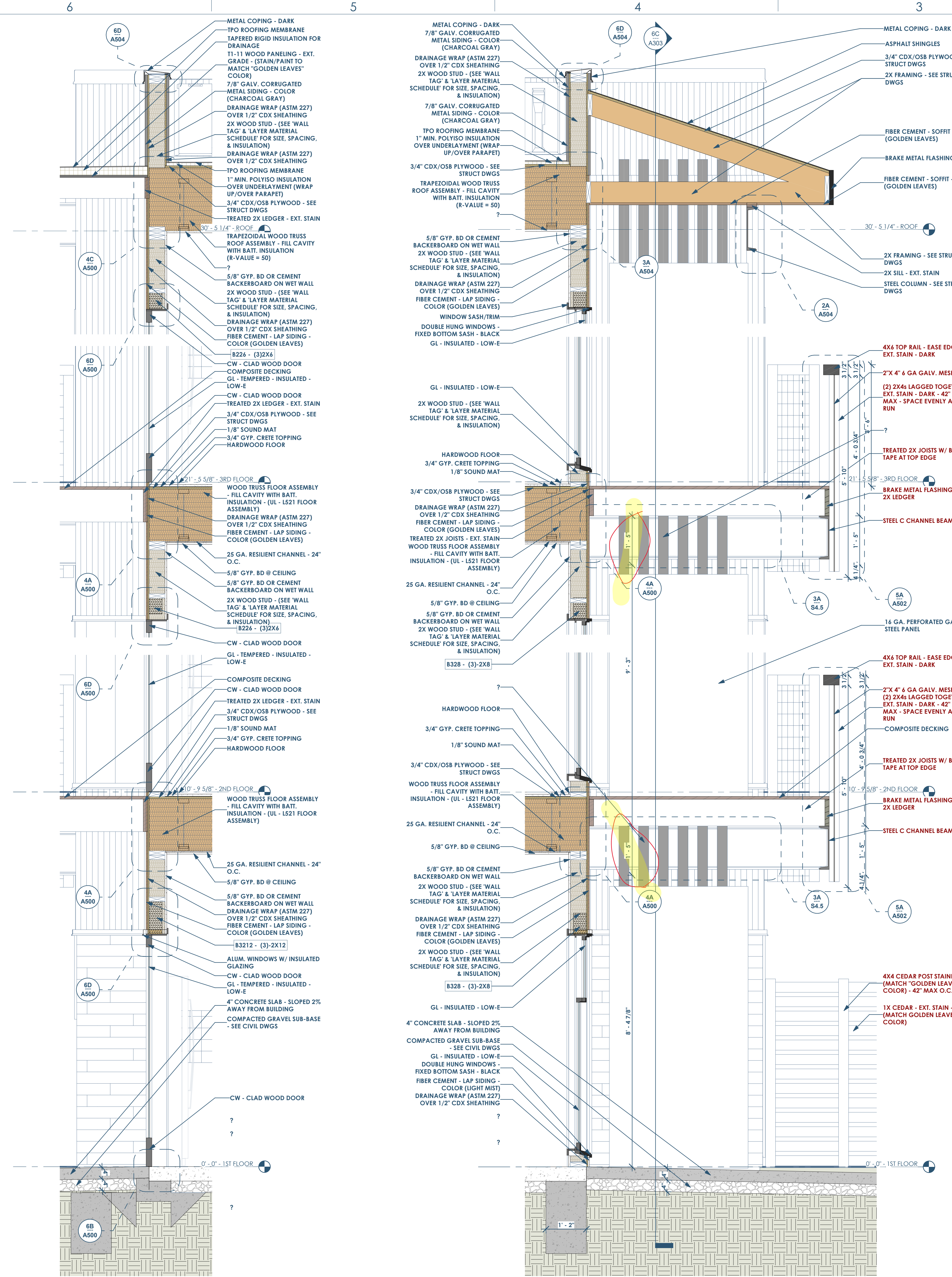
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**openingdesign**

Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

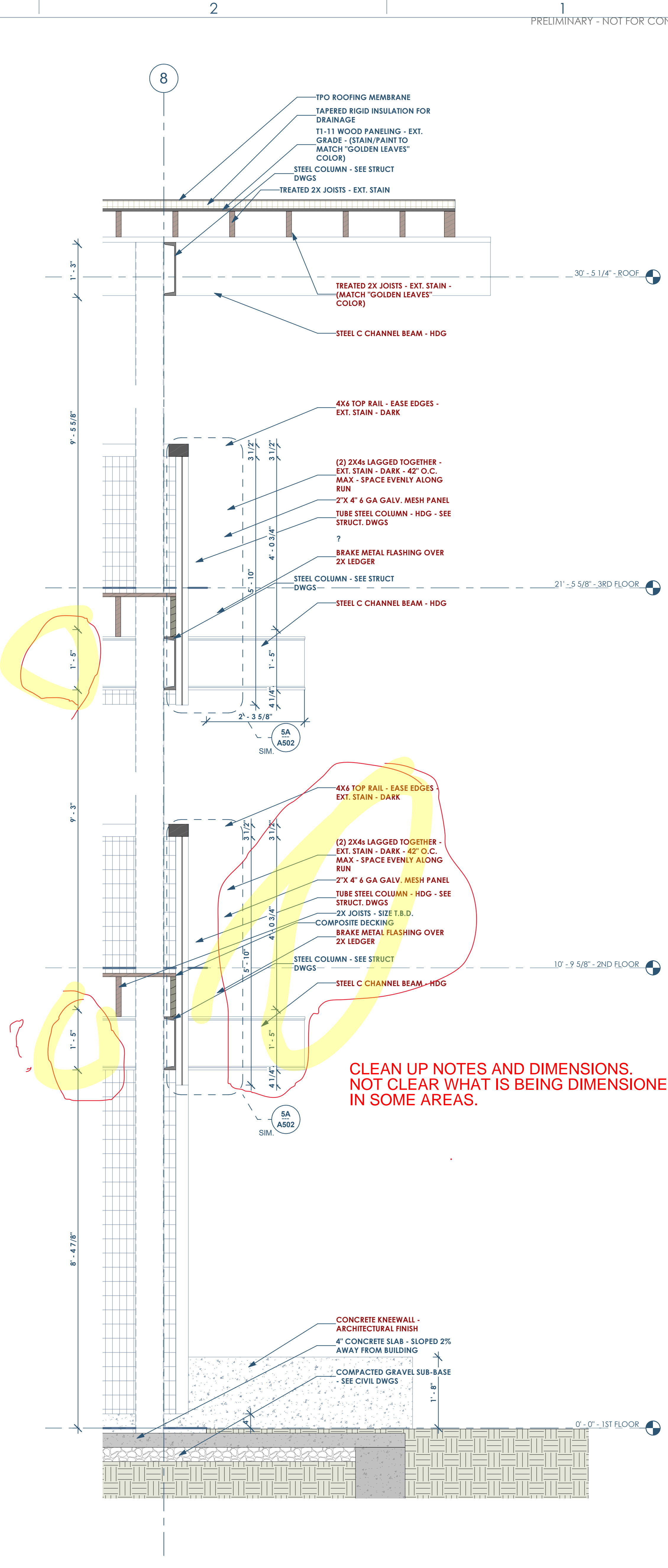
Date	Description
05.19.2022	Progress Set

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6A A400 BUILDING SECTION - THRU SMALL STUDIO - LOOKING EAST - @ PARAPET WALL 3/4" = 1'-0"

4A A400 WALL SECTION - SOUTH BALCONY 3/4" = 1'-0"



2A A400 WALL SECTION - THRU BALCONY - RAILING 3/4" = 1'-0"

CLEAN UP NOTES AND DIMENSIONS. NOT CLEAR WHAT IS BEING DIMENSIONED IN SOME AREAS.

Date	Description
05.19.2022	Progress Set

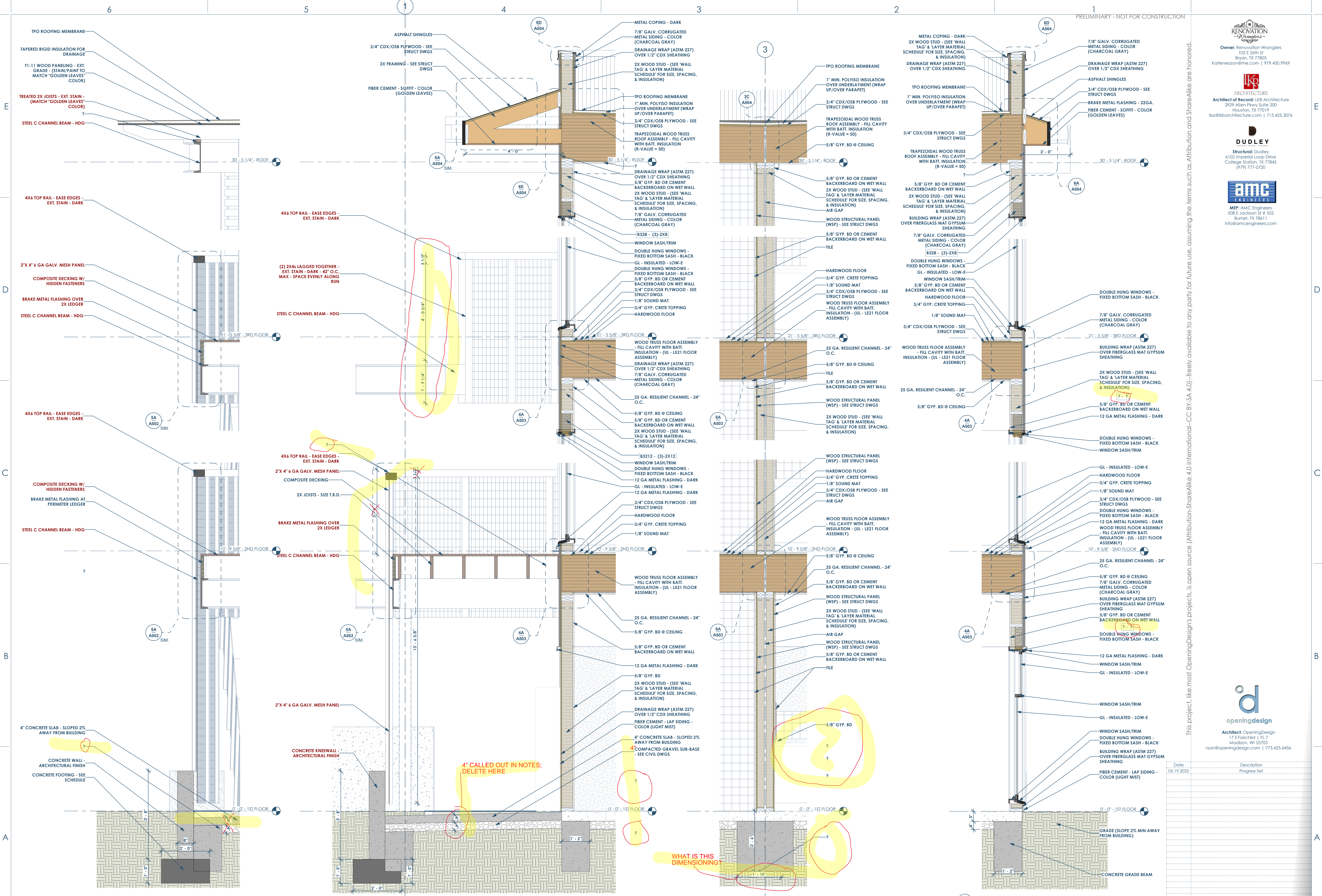
**RENOVATION**  
Architects

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
kate@renovations.com | 979.450.9969

**ARCHITECTURE**  
Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

**DUDDLEY**  
Structural: Dudley  
6102 Imperial Loop Drive  
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(979) 777-0720

**amc**  
ENGINEERS  
MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com



4" CALLED OUT IN NOTES; DELETE HERE

WHAT IS THIS DIMENSIONING?

Date	Description
05.19.2022	Progress Set

6A A401 BUILDING SECTION - THRU LARGE STUDIO - LOOKING EAST - DECO RAILING  
3/4" = 1'-0"

5A A401 WALL SECTION - EAST/WEST - BALCONY DECK  
3/4" = 1'-0"

3A A401 WALL SECTION - EAST/WEST2 - @ UNITS PARTITION WALL  
3/4" = 1'-0"

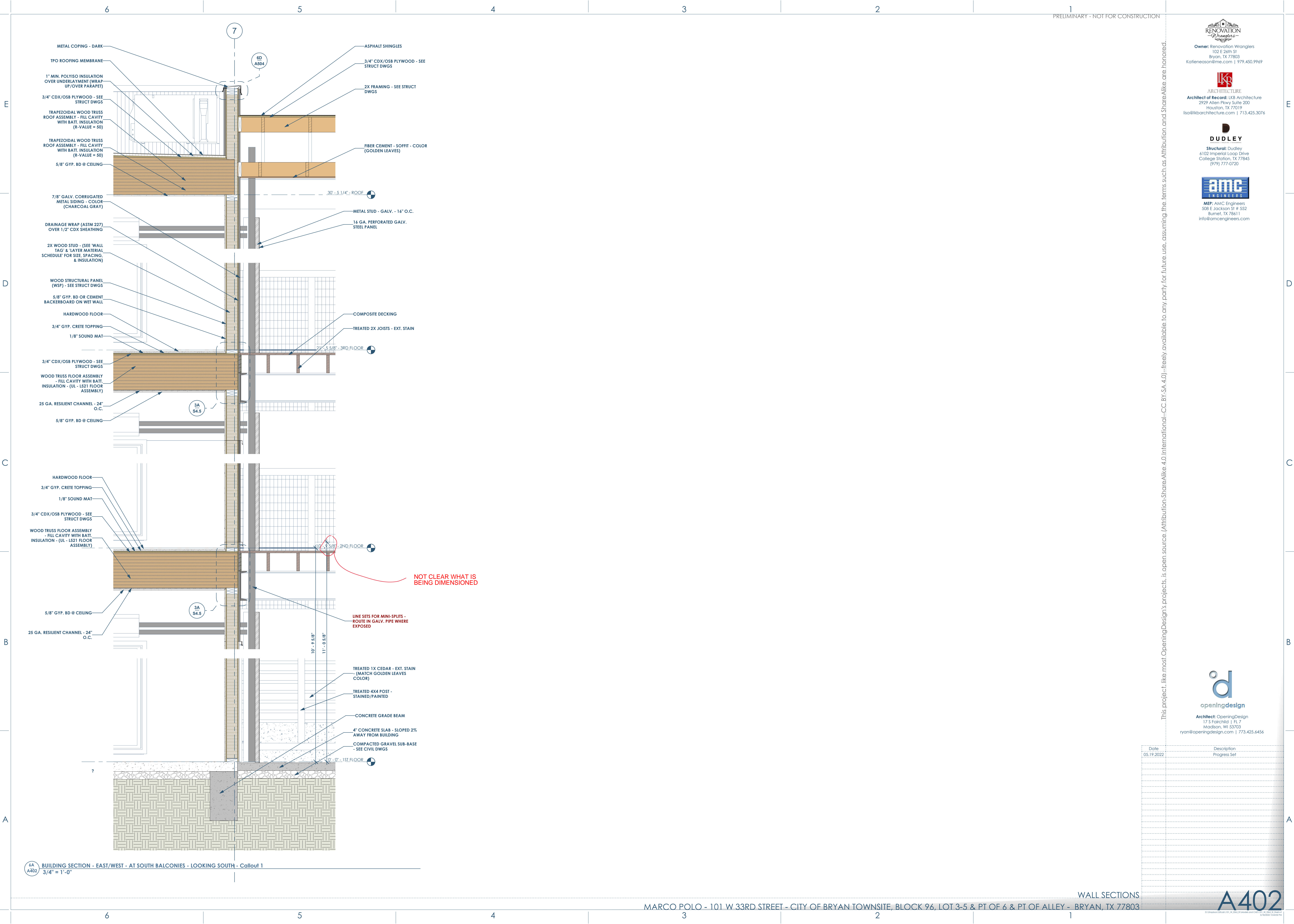
2A A401 BUILDING SECTION - EAST/WEST - LOOKING SOUTH - THRU WINDOWS  
3/4" = 1'-0"

WALL SECTIONS

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Date	Description
05.19.2022	Progress Set



3A A402 BUILDING SECTION - EAST/WEST - AT SOUTH BALCONIES - LOOKING SOUTH - Callout 1  
3/4" = 1'-0"

NOT CLEAR WHAT IS BEING DIMENSIONED

LINE SETS FOR MINI-SPLITS - ROUTE IN GALV. PIPE WHERE EXPOSED



**RENOVATION**  
Wranglers

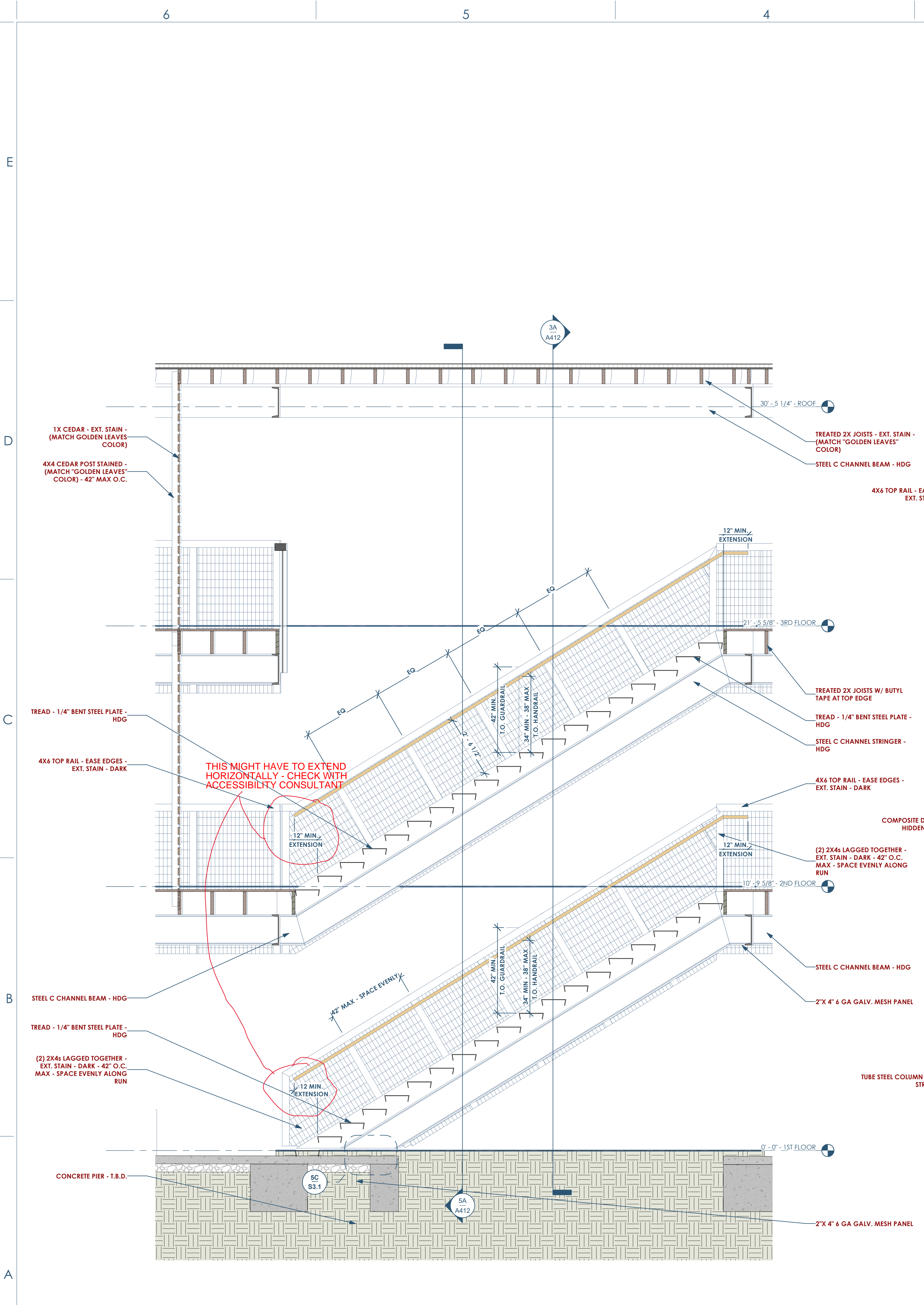
Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Kateneason@me.com | 979.450.9969

**LKB**  
ARCHITECTURE  
Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

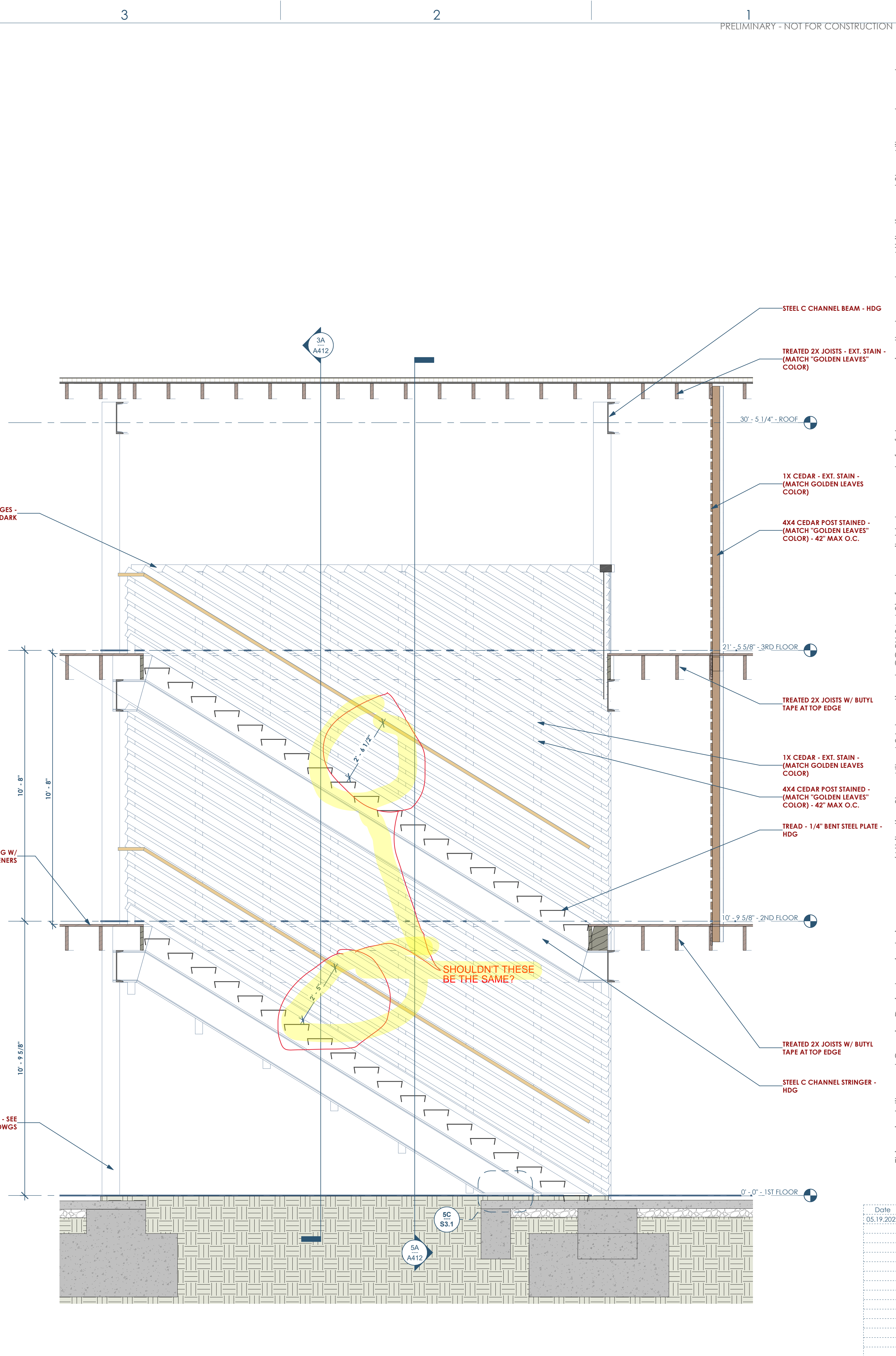
**DUDLEY**  
Structural: Dudley  
6102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS  
MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com

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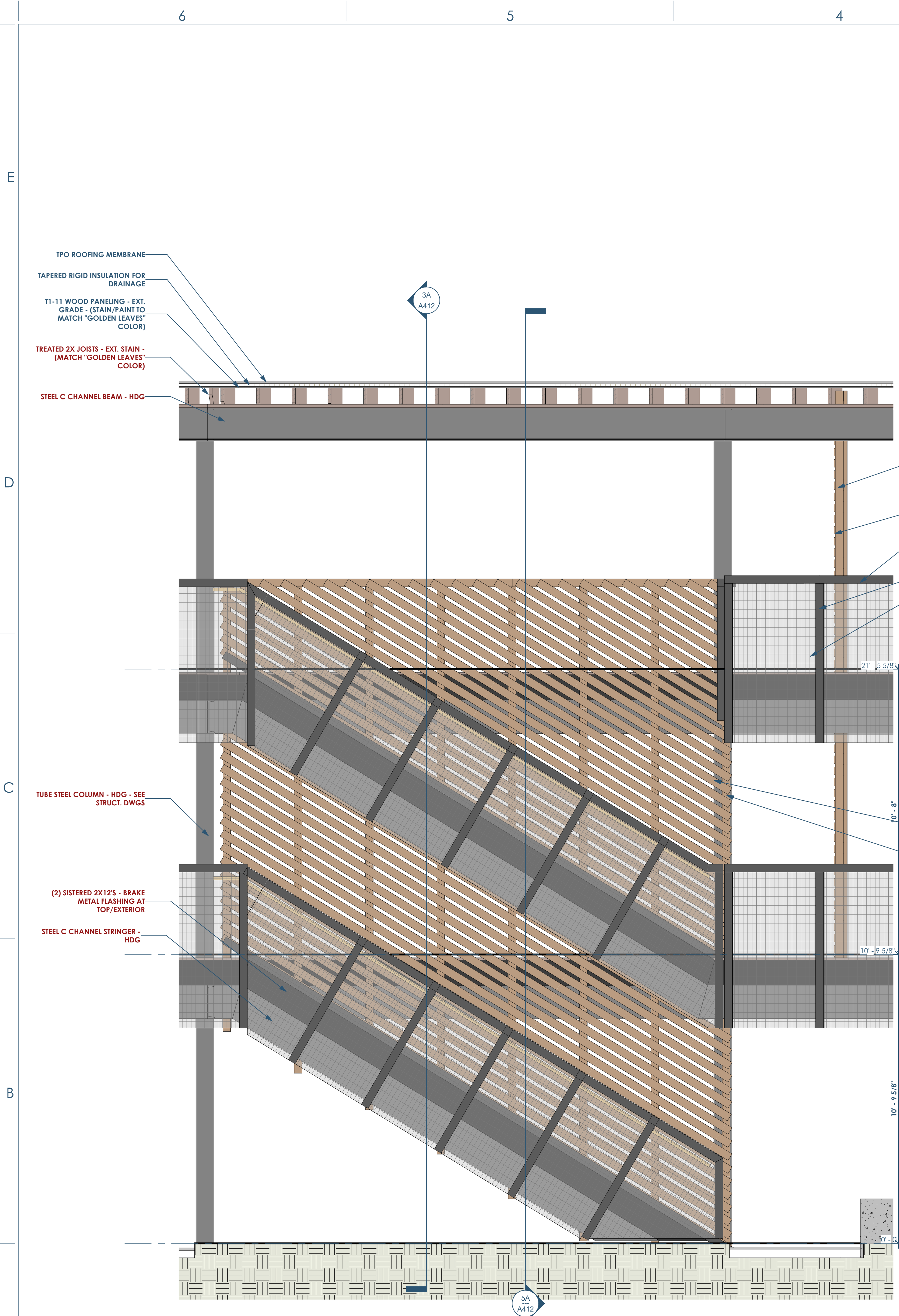
6A A410 STAIR SECTION - LOOKING NORTH  
1/2" = 1'-0"



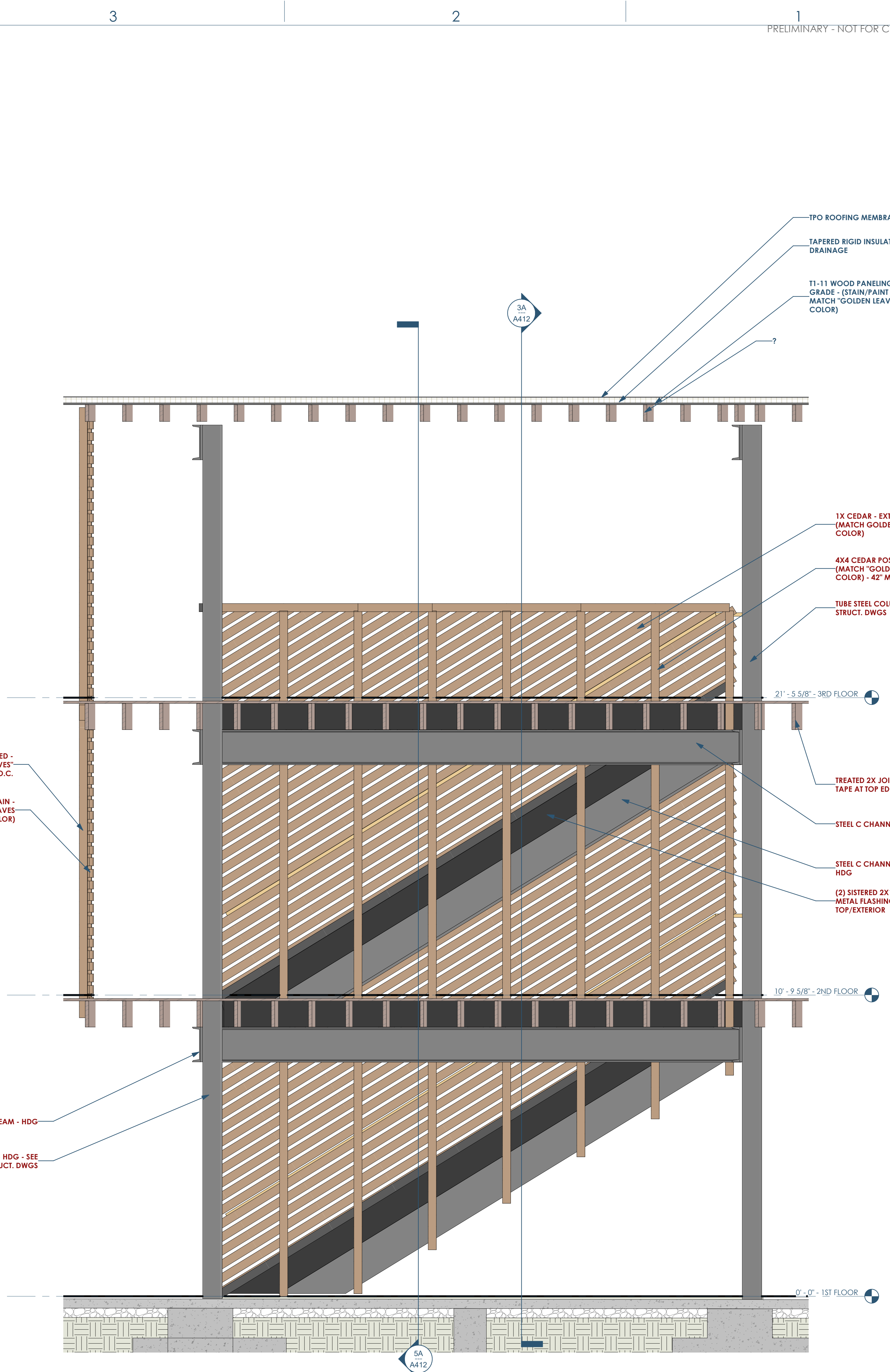
3A A410 STAIR SECTION - LOOKING SOUTH  
1/2" = 1'-0"

Date	Description
05.19.2022	Progress Set

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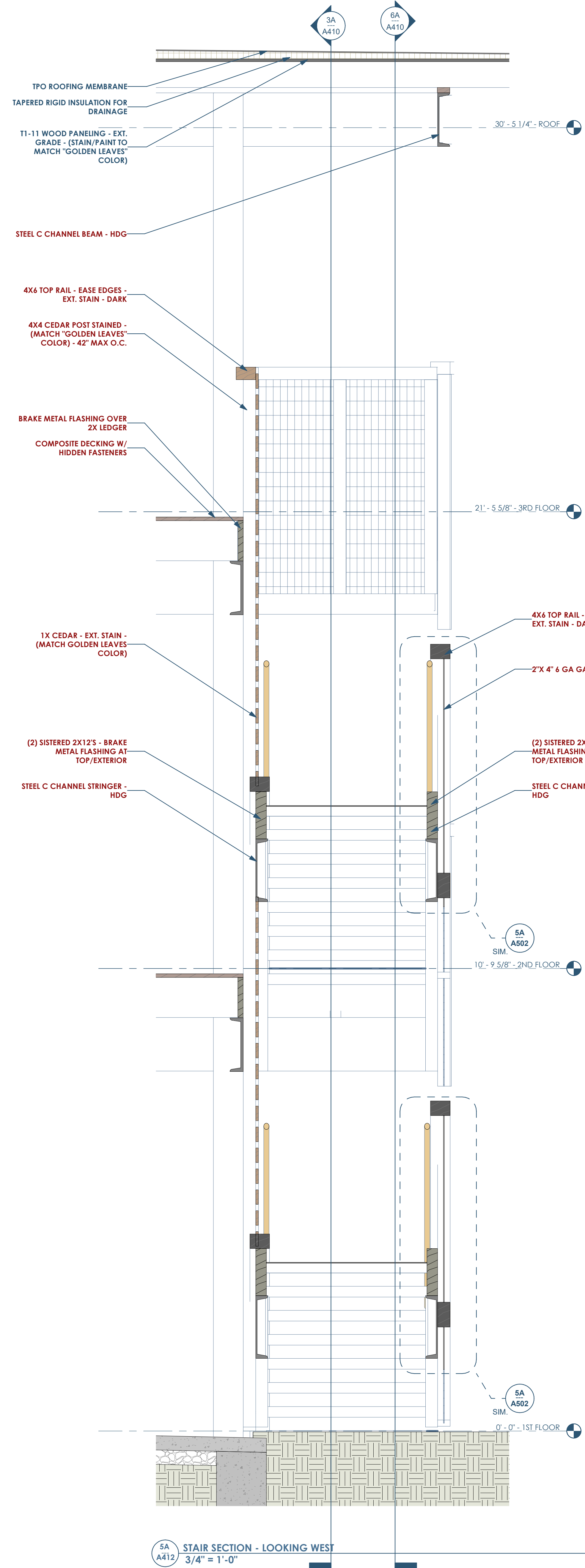


Section 64  
1/2" = 1'-0"

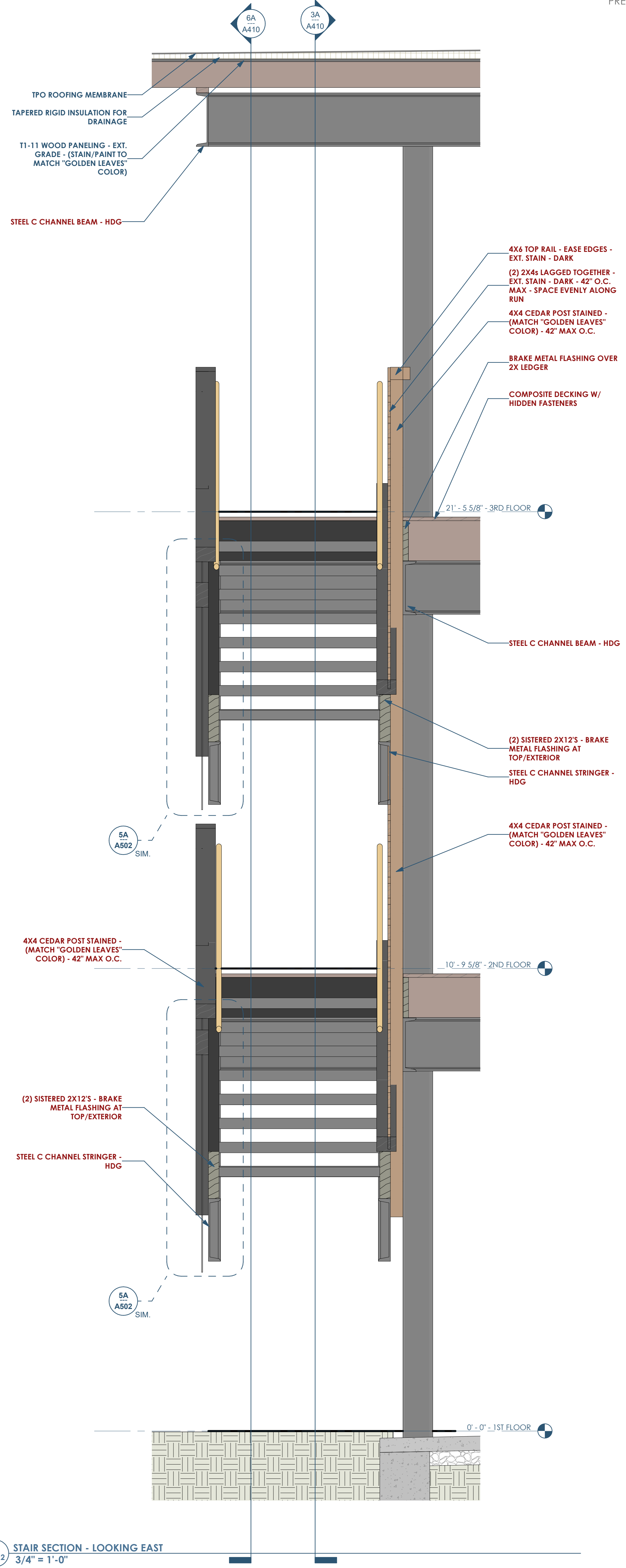


Section 68  
1/2" = 1'-0"

Date	Description
05.19.2022	Progress Set



**5A A412** STAIR SECTION - LOOKING WEST  
3/4" = 1'-0"



**5A A412** STAIR SECTION - LOOKING EAST  
3/4" = 1'-0"

**RENOVATION Wranglers**  
Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Kateneason@rwr.com | 979.450.9969

**ARCHITECTURE**  
Architect of Record: LK Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkarchitecture.com | 713.425.3076

**DUDDLEY**  
Structural: Dudley  
4102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc ENGINEERS**  
MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com

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**openingdesign**  
Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set

**RENOVATION**  
Wranglers  
Architecture

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
kate@renovationsa.com | 979.450.9969

**LKB**  
ARCHITECTURE  
Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

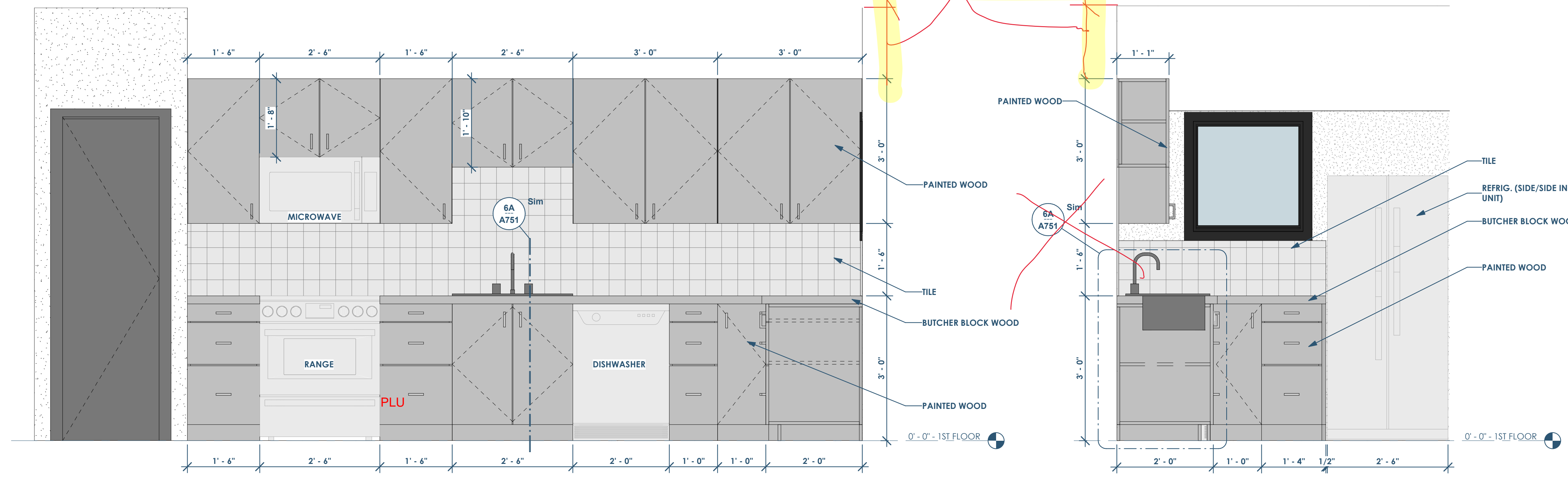
**DUDDLEY**  
Structural: Dudley  
6102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS  
MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com

**ADD GENERAL NOTES:**

1. REFERENCE A751 FOR ACCESSIBILITY COMPLIANCE REQUIREMENTS.
2. ALL FINISHES TO BE PROVIDED BY OWNER.
3. MILLWORK AND APPLIANCES TO BE PROVIDED BY OWNER.

**ADD DIMENSION**  
**ADD REF. TAG FOR CLG. HEIGHT**  
**TYP. ALL ELEVATIONS**

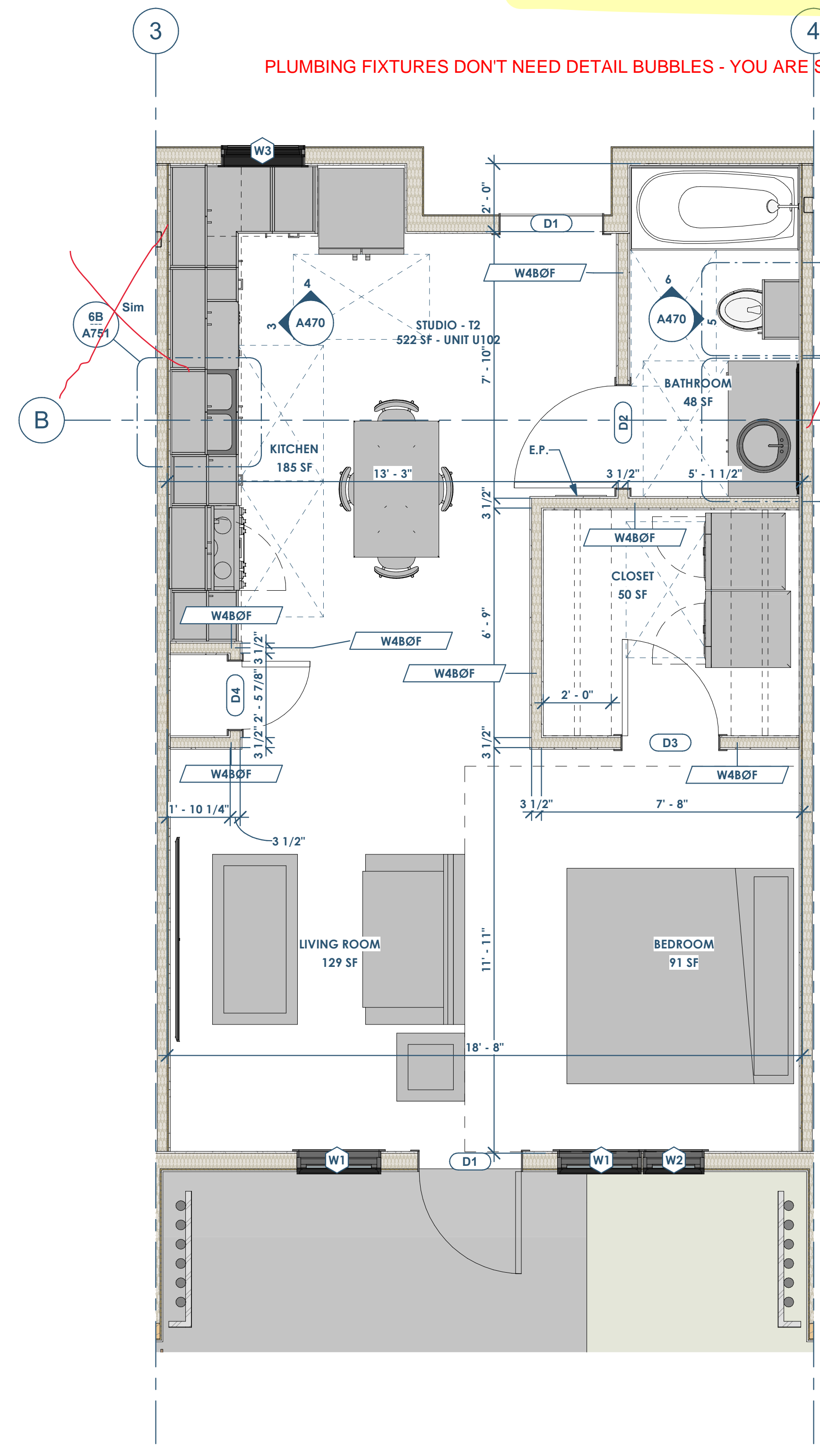


3 ELEVATION - 1 BD - KITCHEN  
3/4" = 1'-0"

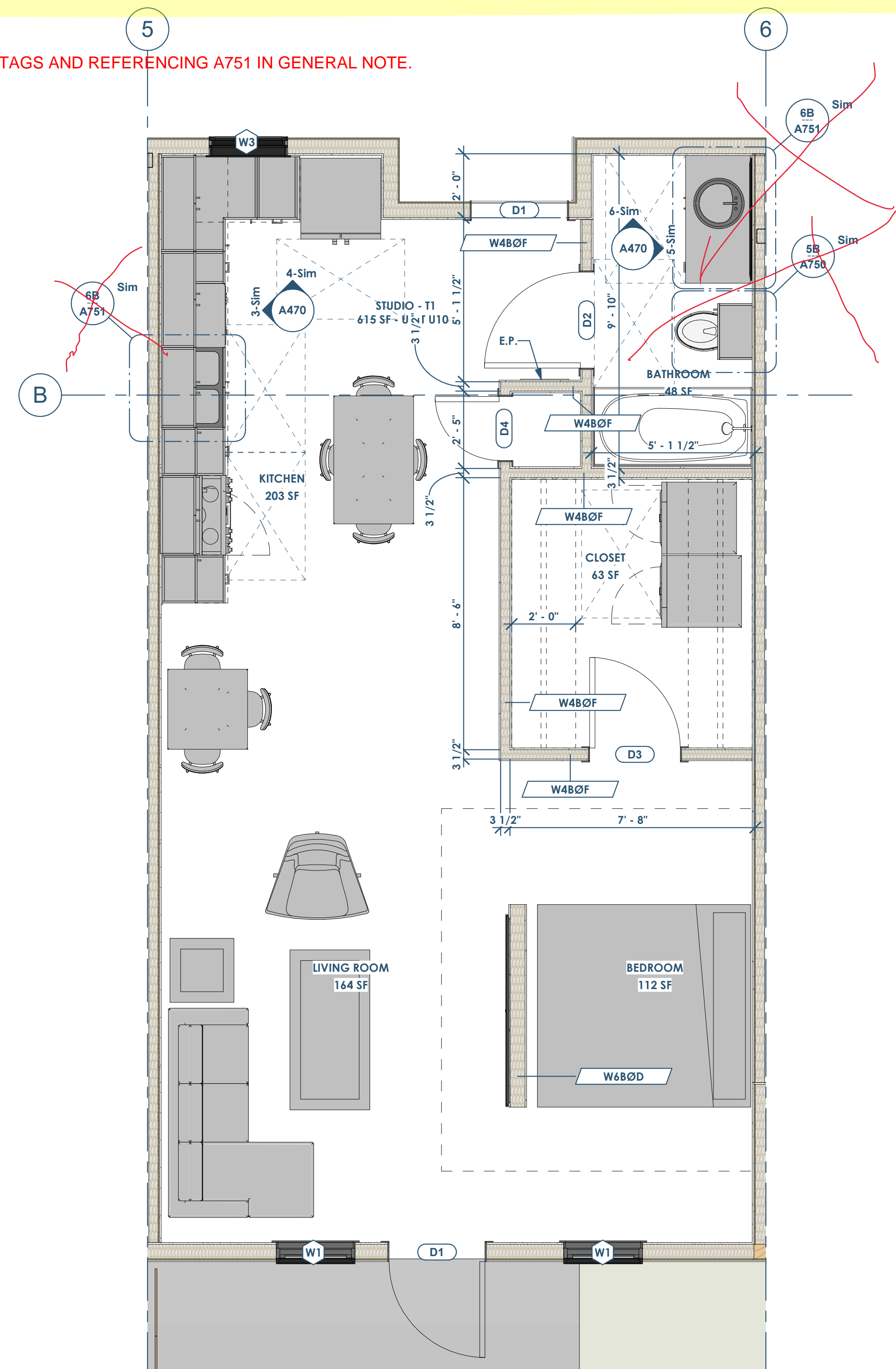
4 ELEVATION - 1 BD - KITCHEN - FRIDGE  
3/4" = 1'-0"

REF. NOTES ON A101 FOR FLOOR PLAN DIMENSIONING; FURNITURE SHOULD NOT BE MORE PROMINANT THAN RELEVANT DIMENSIONS AND NOTES. CAN IT BE SHOWN LIGHTER OR DASHED?

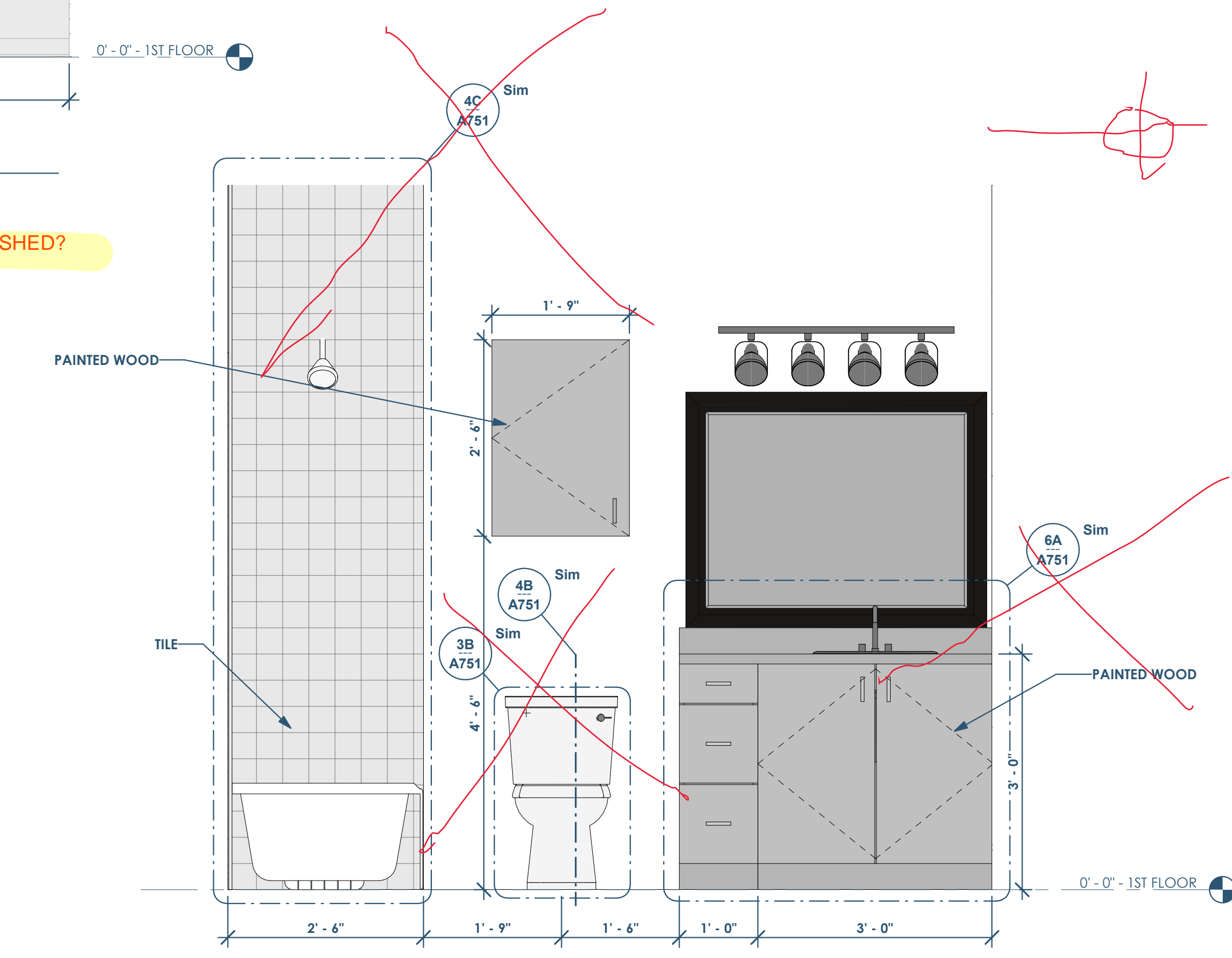
PLUMBING FIXTURES DON'T NEED DETAIL BUBBLES - YOU ARE SHOWING ELEVATION TAGS AND REFERENCING A751 IN GENERAL NOTE.



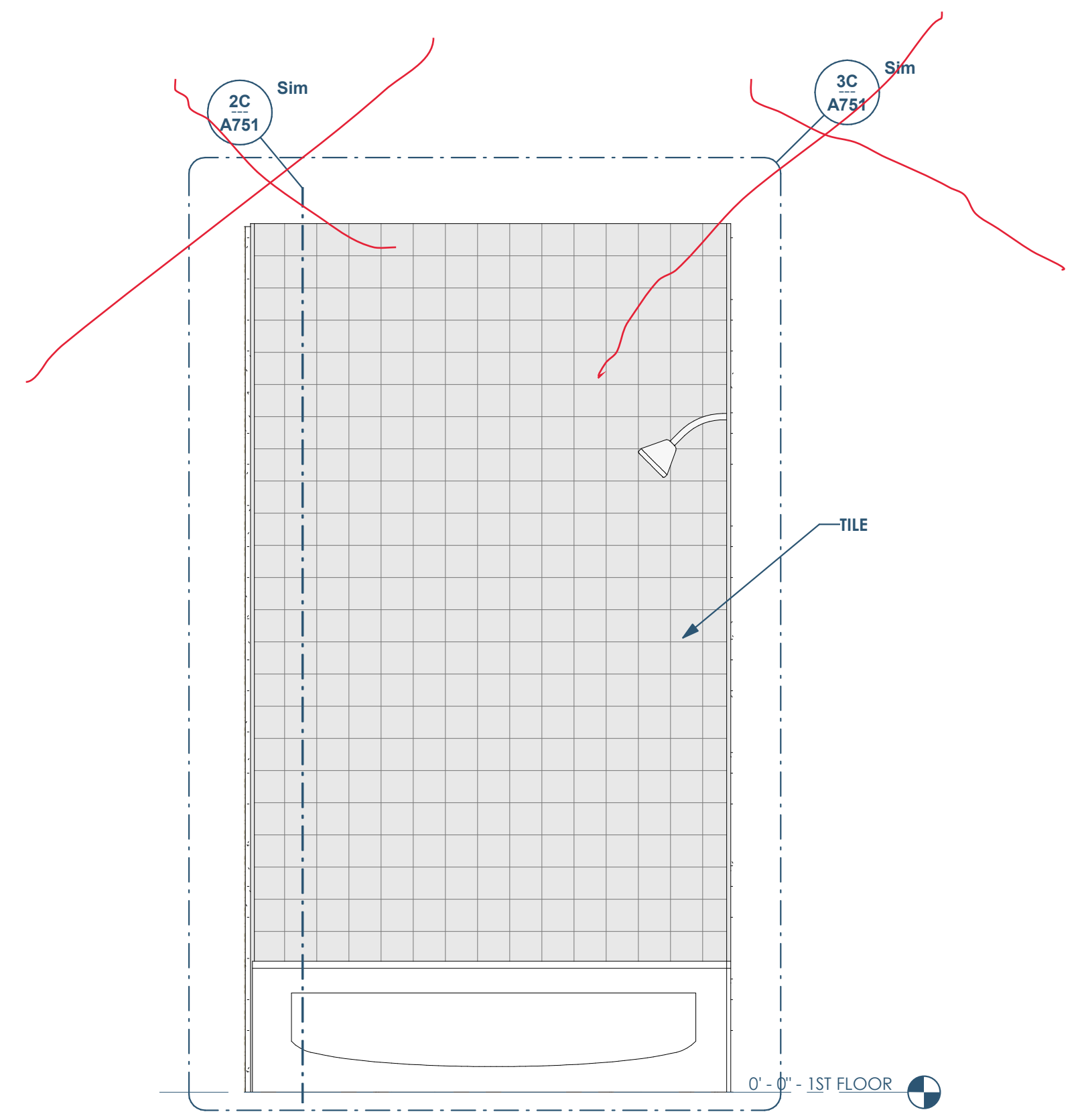
1 UNIT PLAN - 1BD SHORT (TYPE B ADA UNIT - 1ST FLOOR ONLY)  
3/8" = 1'-0"



2 UNIT PLAN - 1BD LONG (TYPE B ADA UNIT - 1ST FLOOR ONLY)  
3/8" = 1'-0"



5 ELEVATION - BATH - LAV  
3/4" = 1'-0"



6 ELEVATION - BATH - SHOWER  
3/4" = 1'-0"

UNIT PLANS - STUDIOS - LONG AND SHORT - (TYPE B ADA UNIT - 1ST FLOOR ONLY)  
101 W 33RD STREET - BRYAN, TX 77803

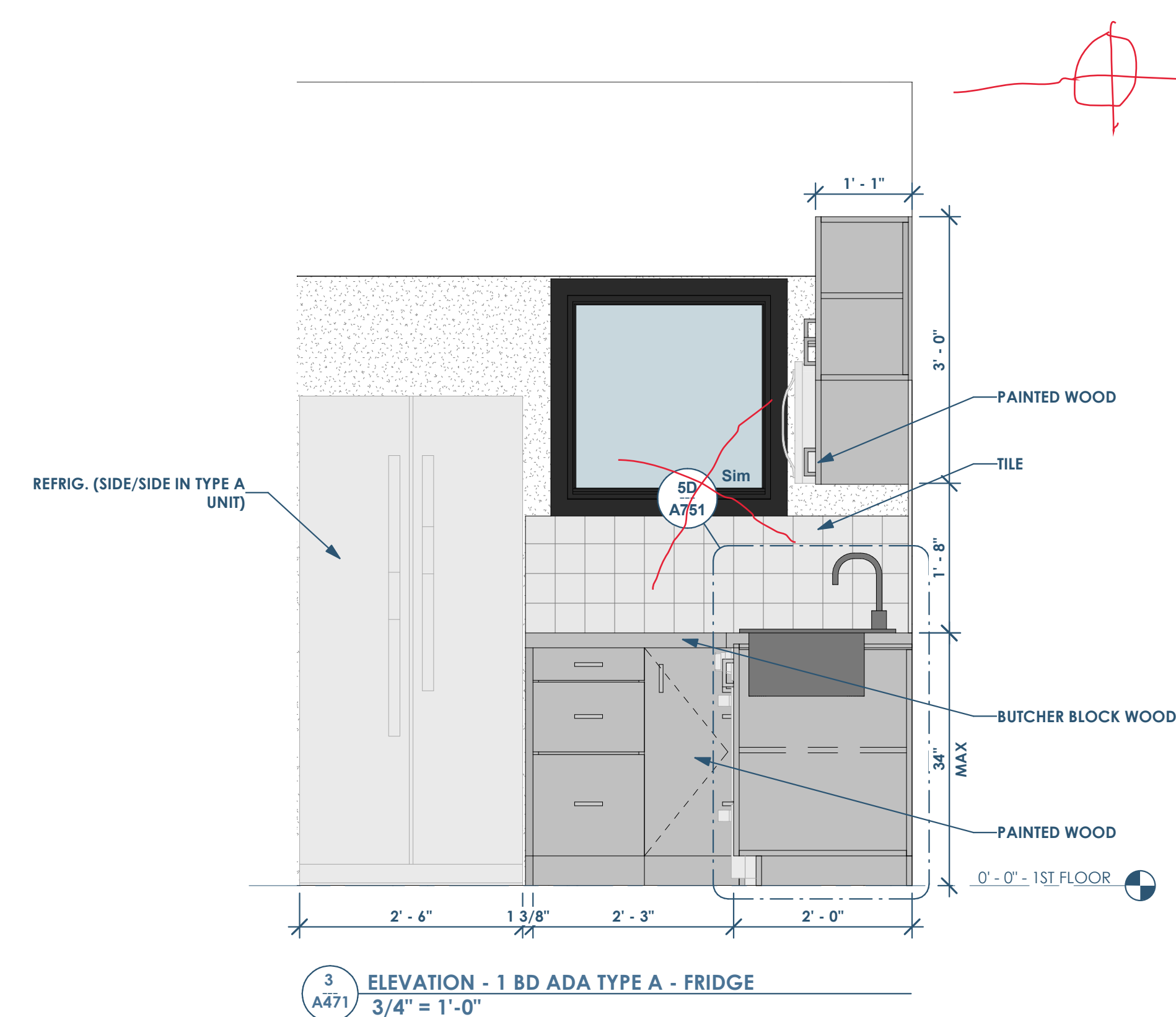
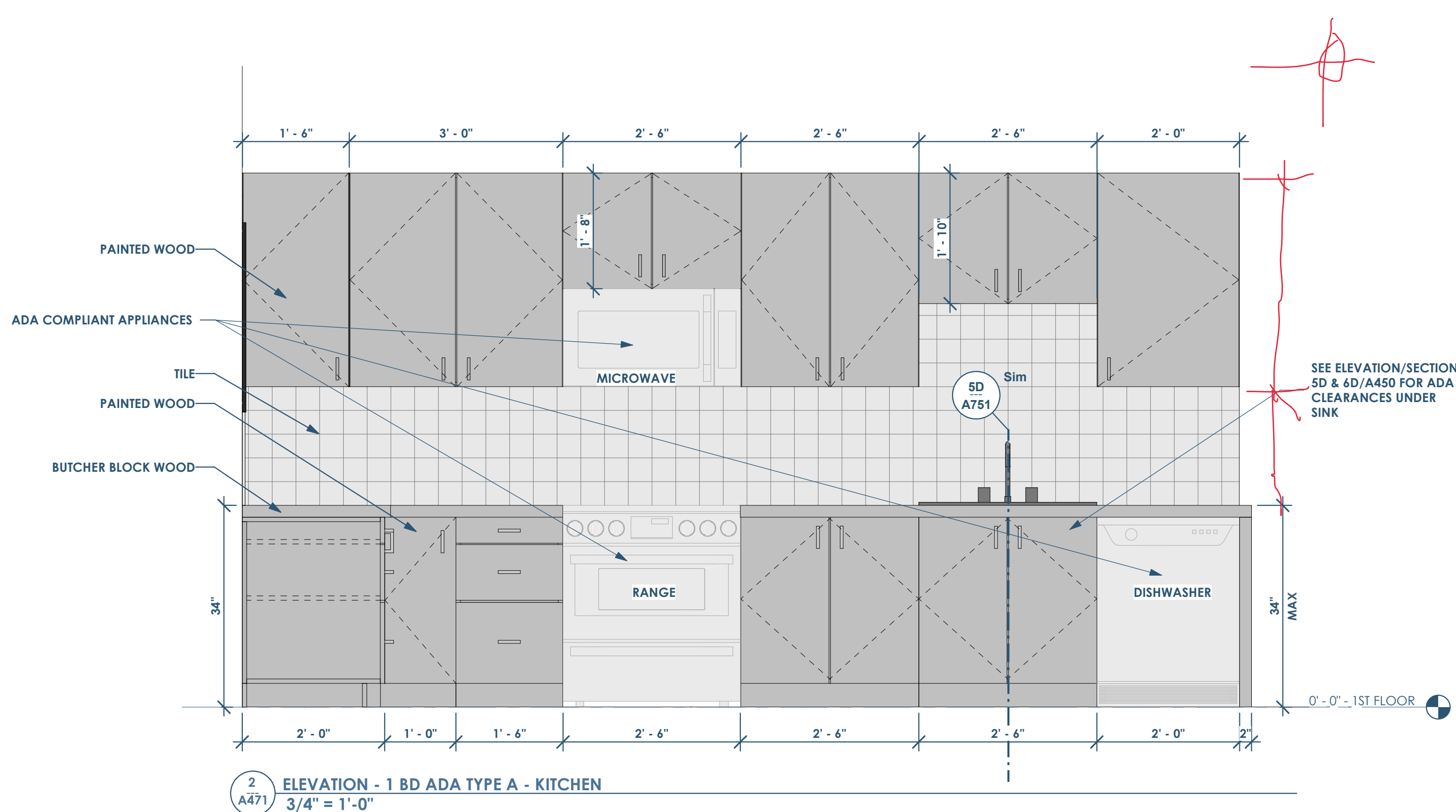
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**openingdesign**

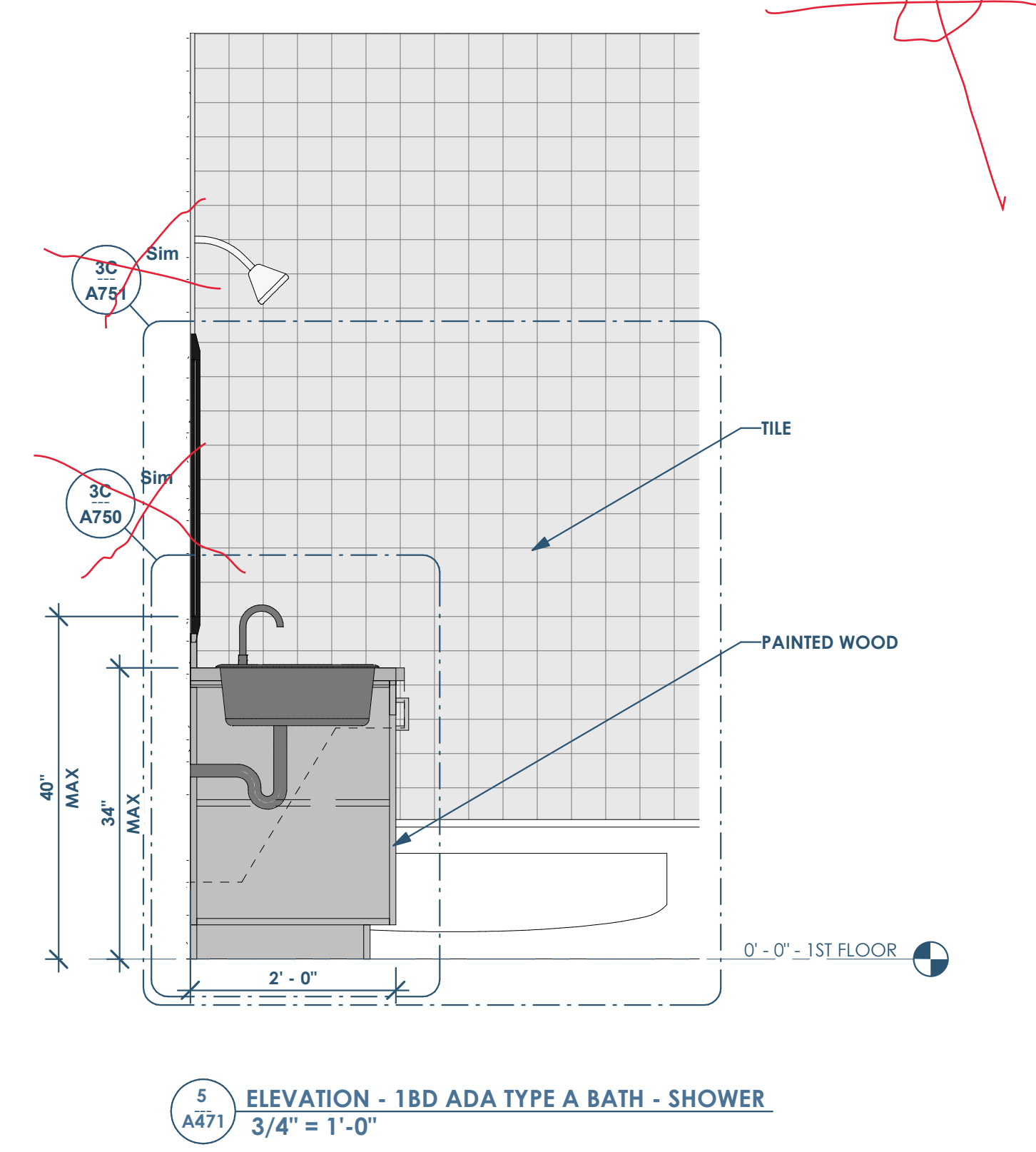
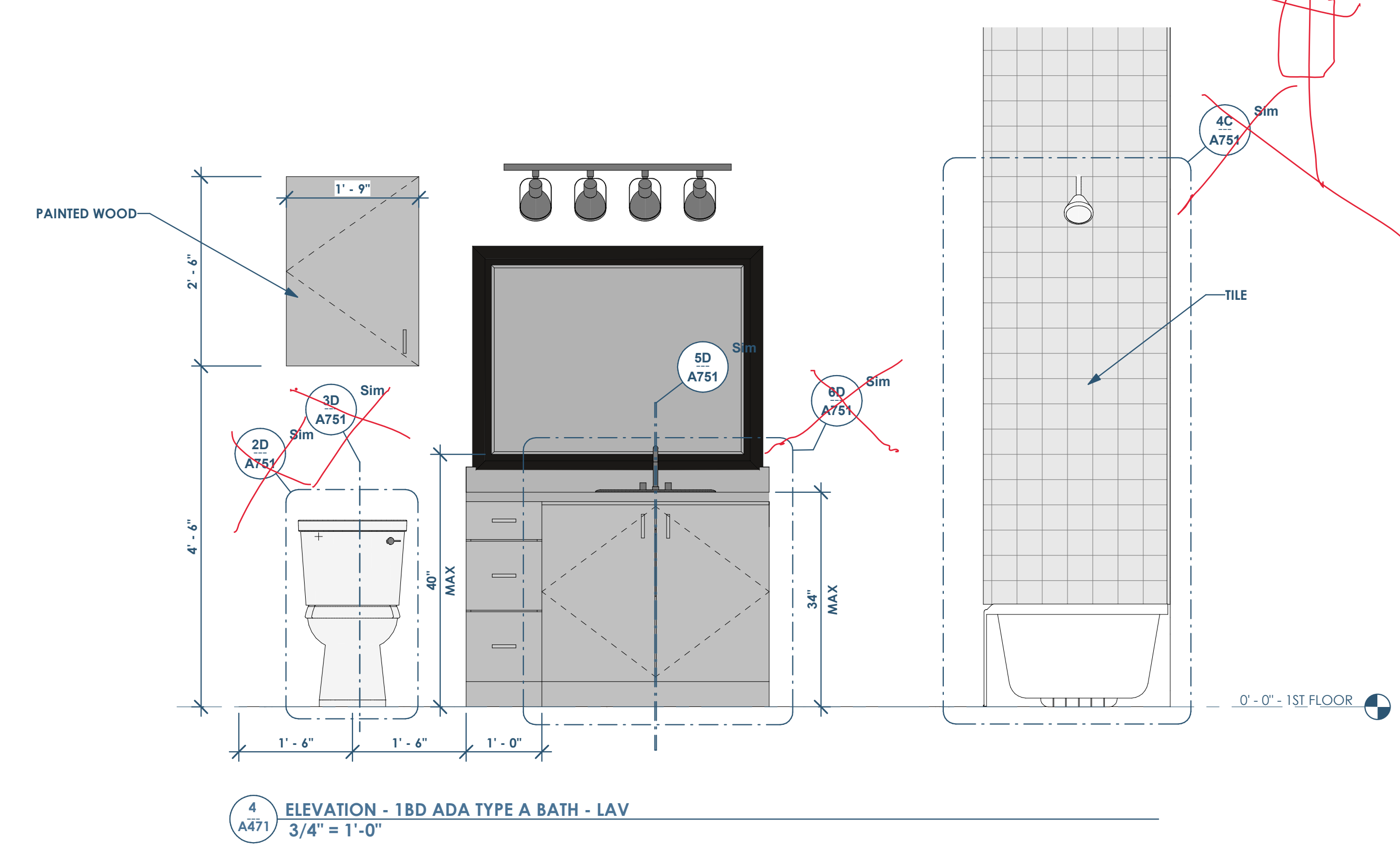
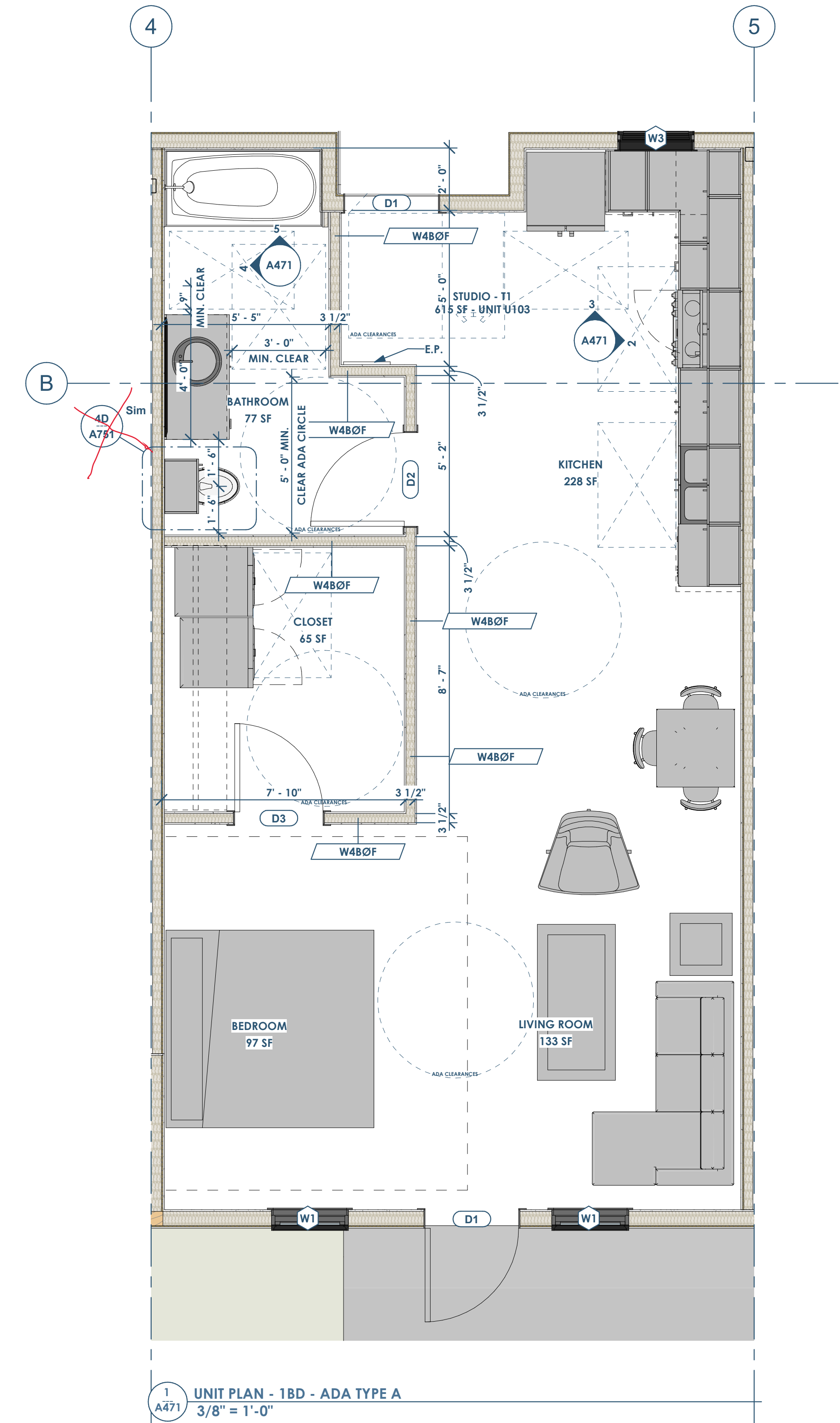
Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set

**A470**



REFERENCE COMMENTS AND ADD GENERAL NOTES PER A470

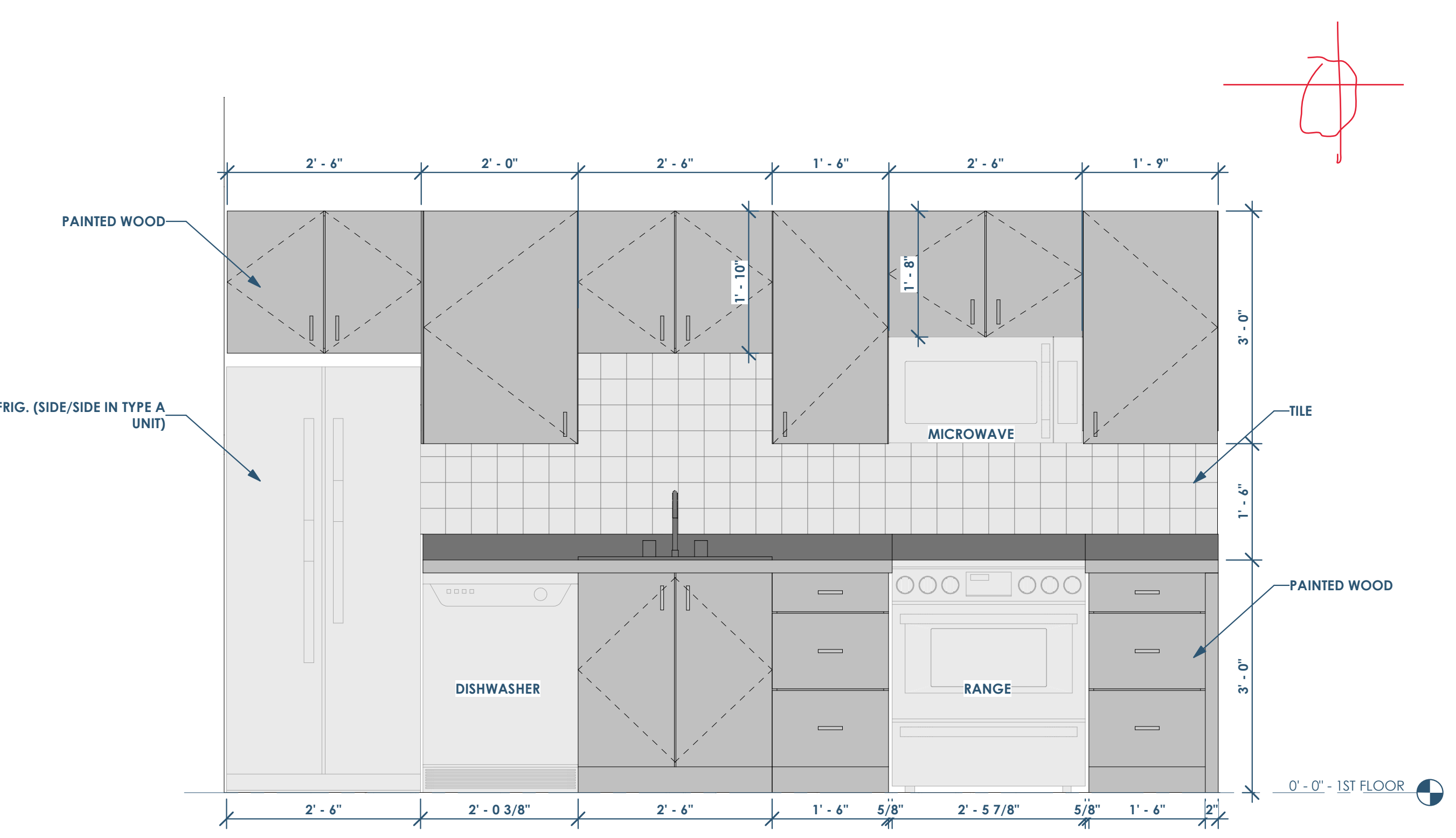


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Date	Description
05.19.2022	Progress Set

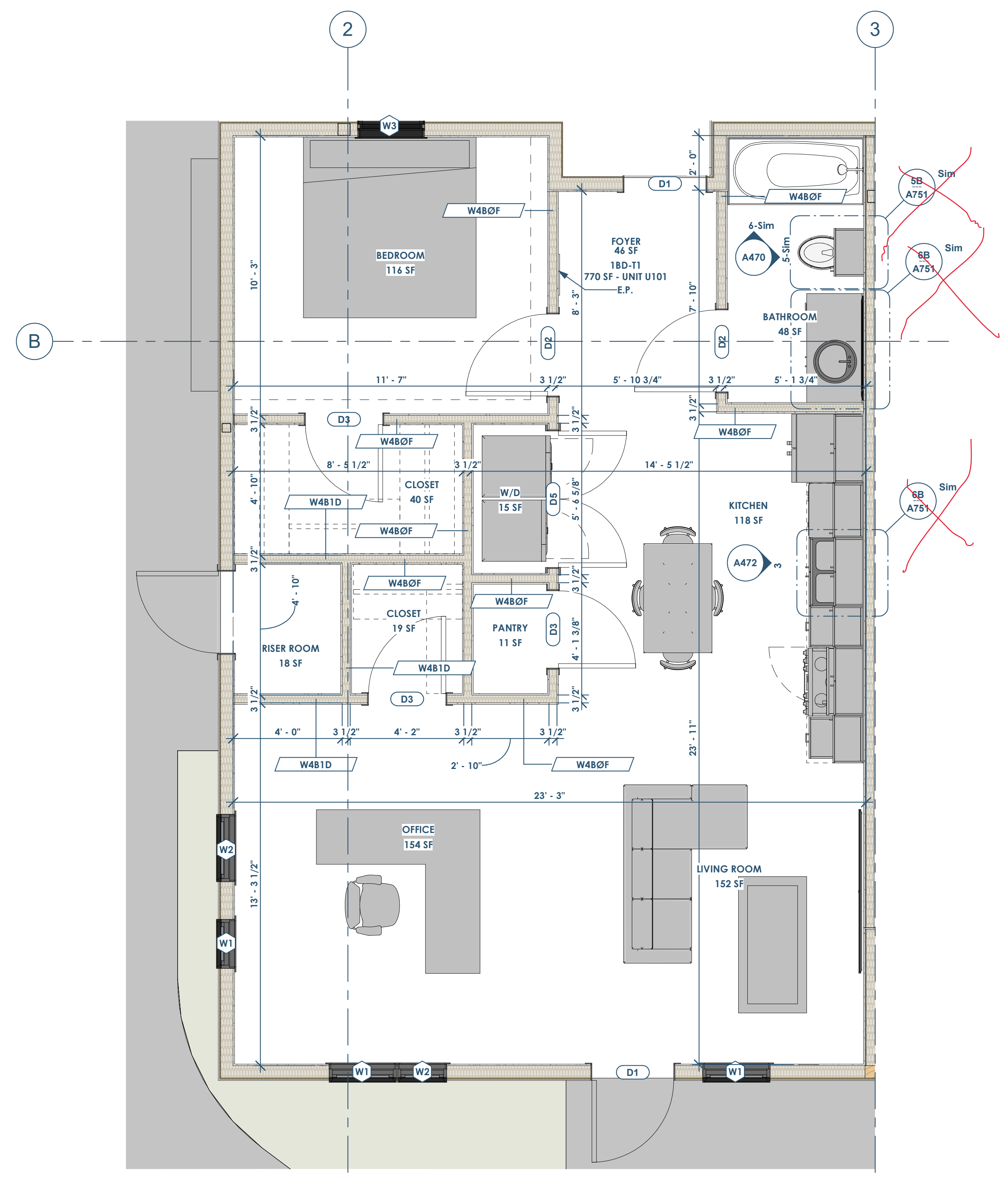
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Date	Description
05.19.2022	Progress Set

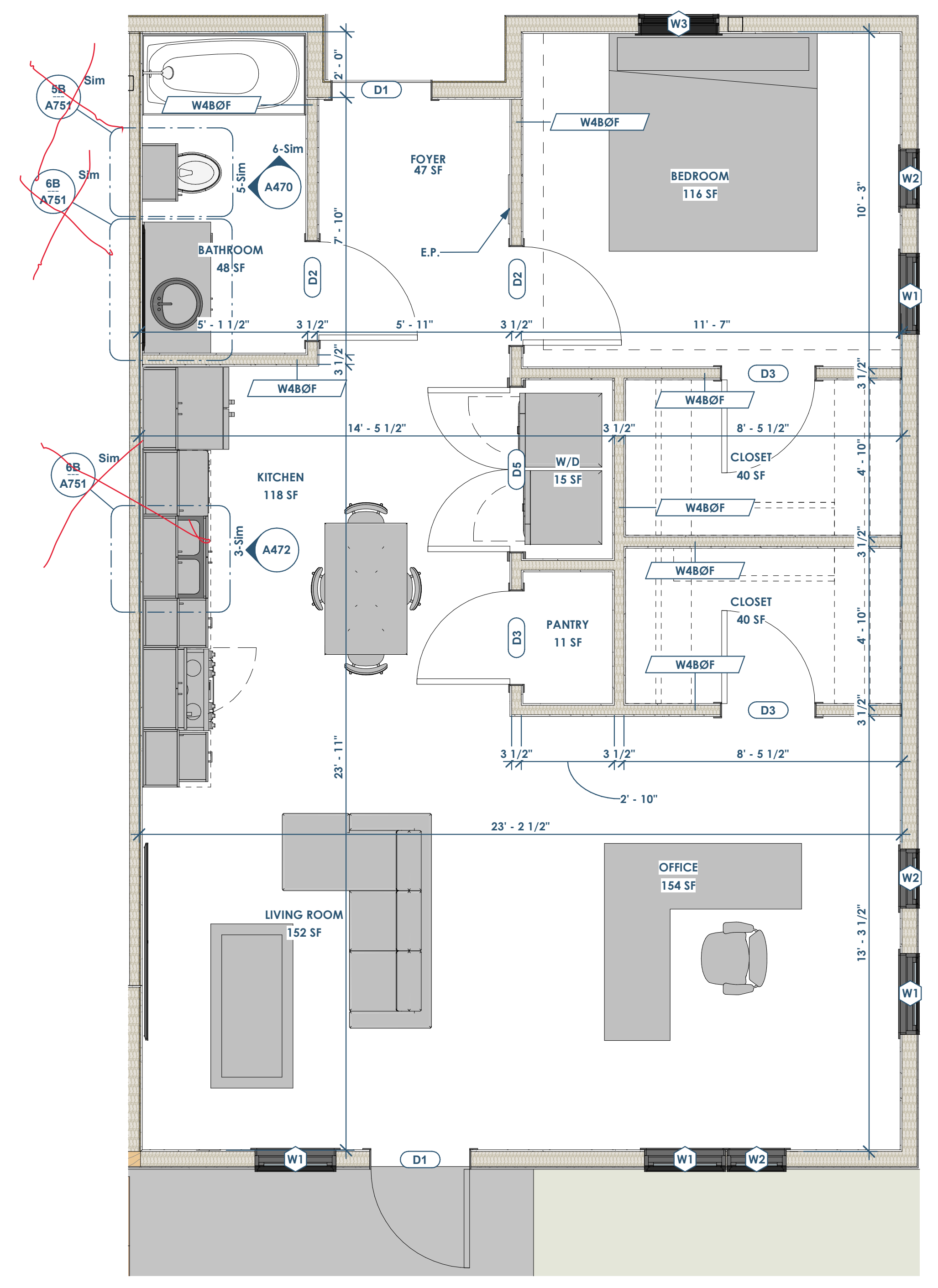


3 ELEVATION - END UNIT - KITCHEN  
3/4" = 1'-0"

REFERENCE COMMENTS AND ADD NOTES PER A470.

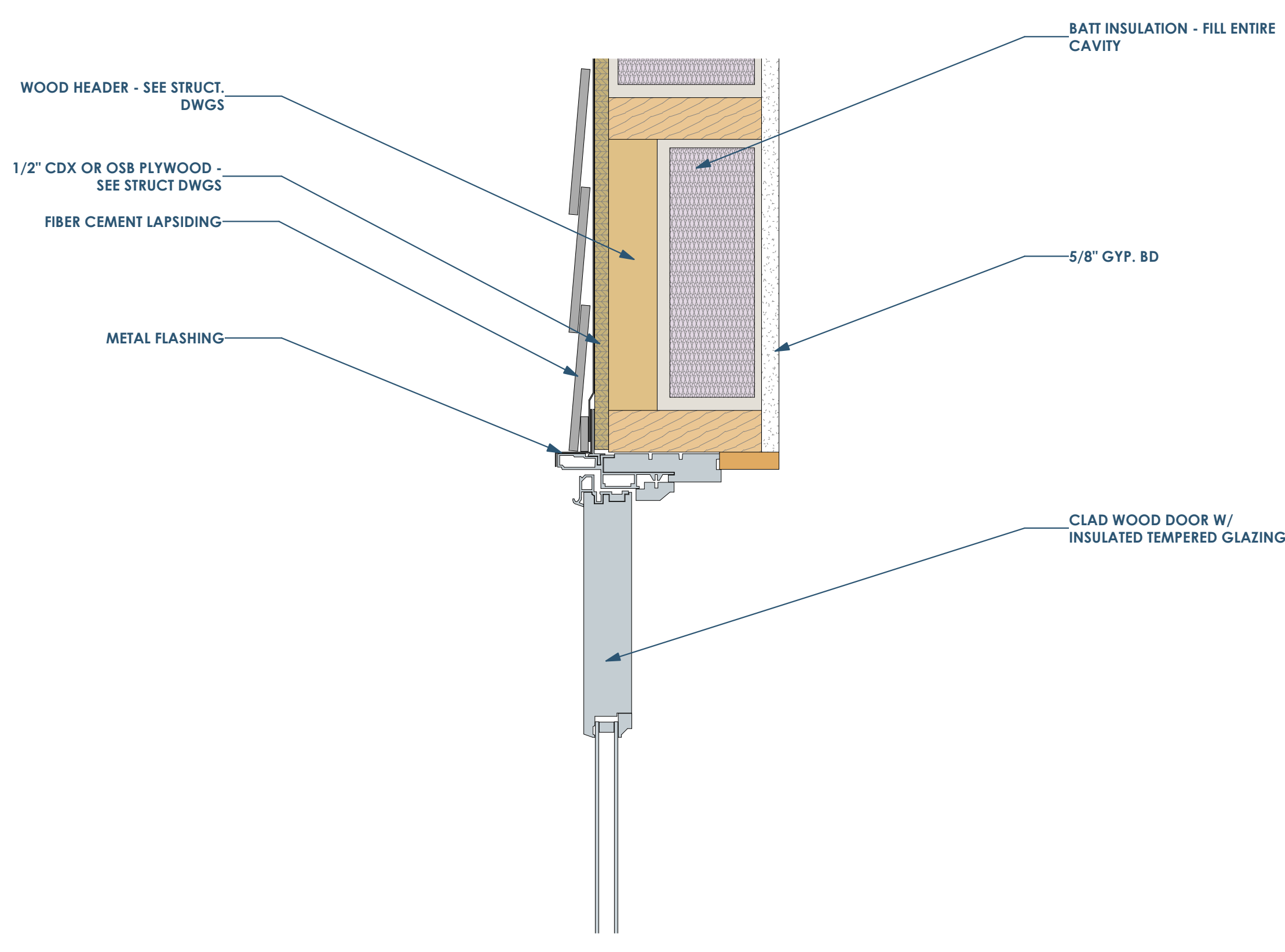


1 UNIT PLAN - END UNIT W/ RISER ROOM (TYPE B ADA UNIT - 1ST FLOOR ONLY)  
3/8" = 1'-0"

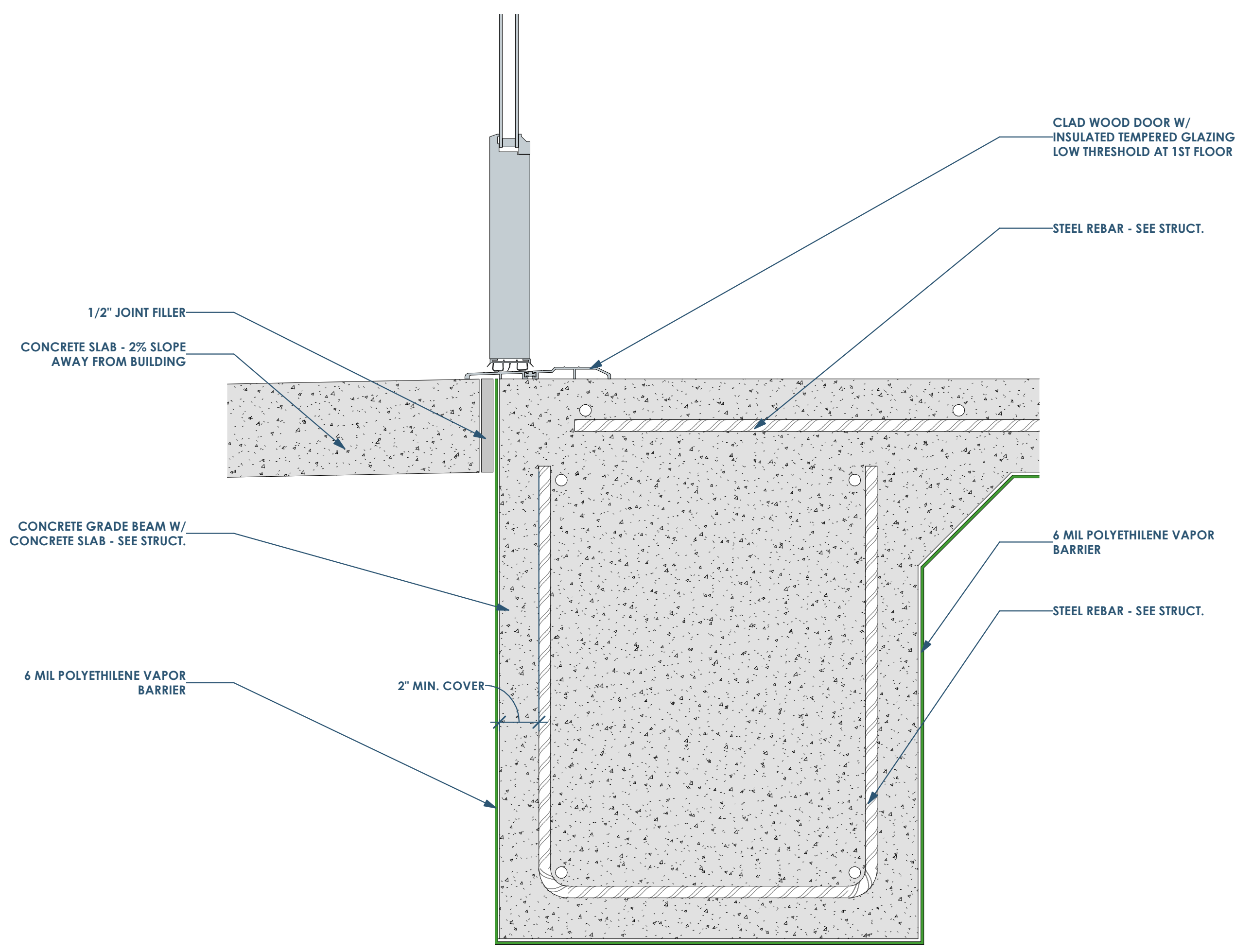


2 UNIT PLAN - END UNIT (TYPE B ADA UNIT - 1ST FLOOR ONLY)  
3/8" = 1'-0"

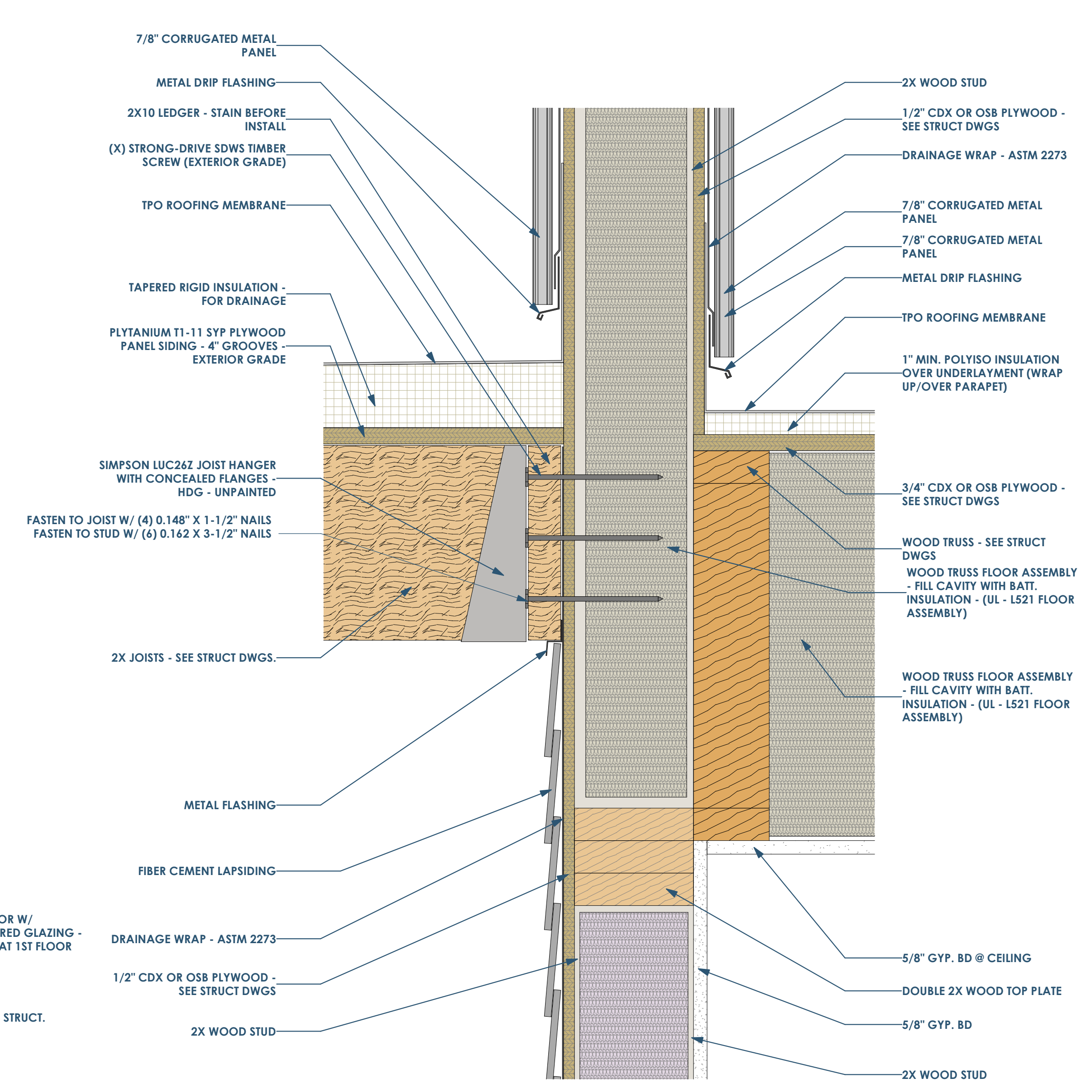
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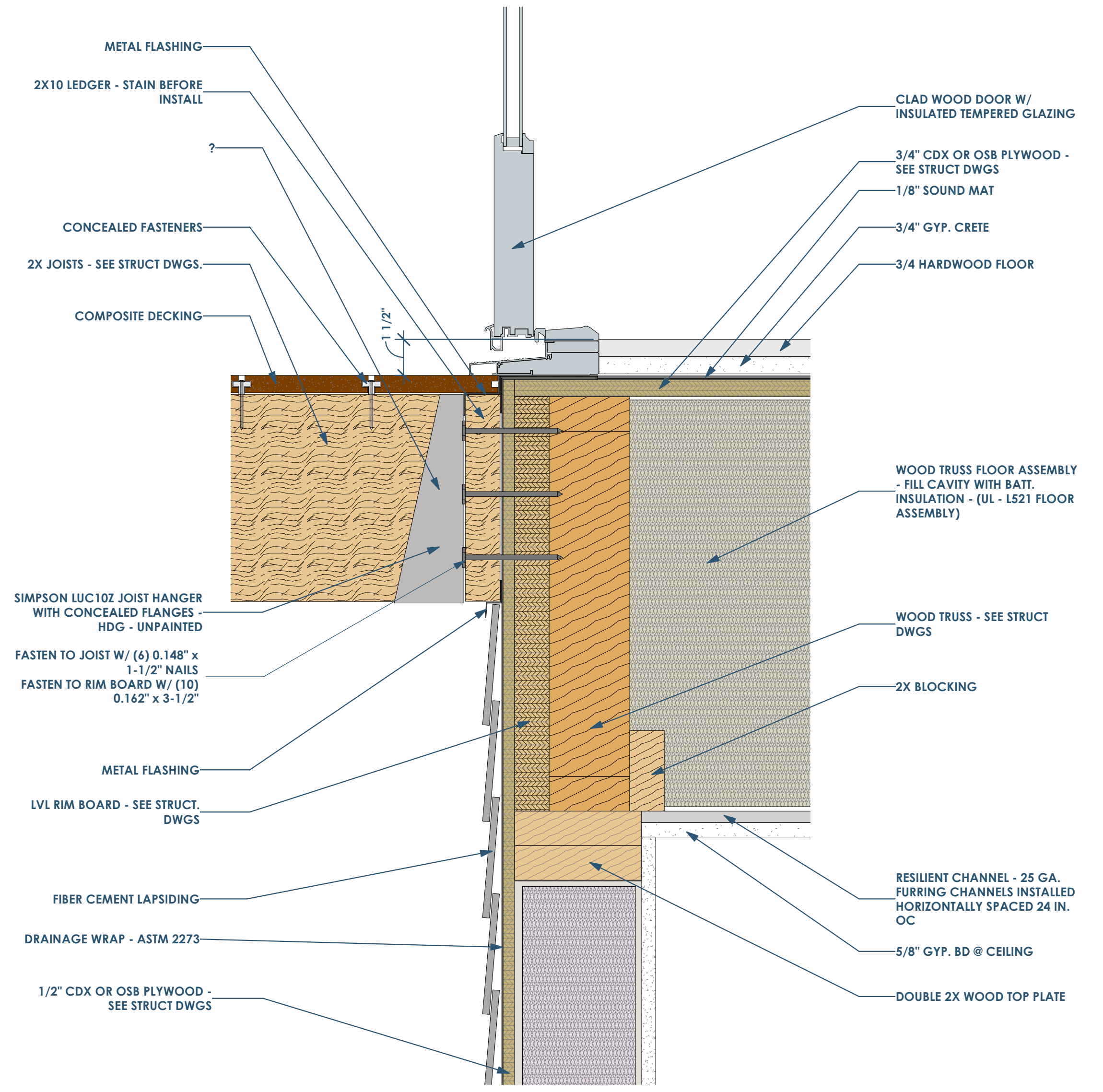
6D SECTION DETAIL AT DOOR HEADER  
3" = 1'-0"



6B SECTION DETAIL AT DOOR SILL - 1ST FLOOR  
3" = 1'-0"



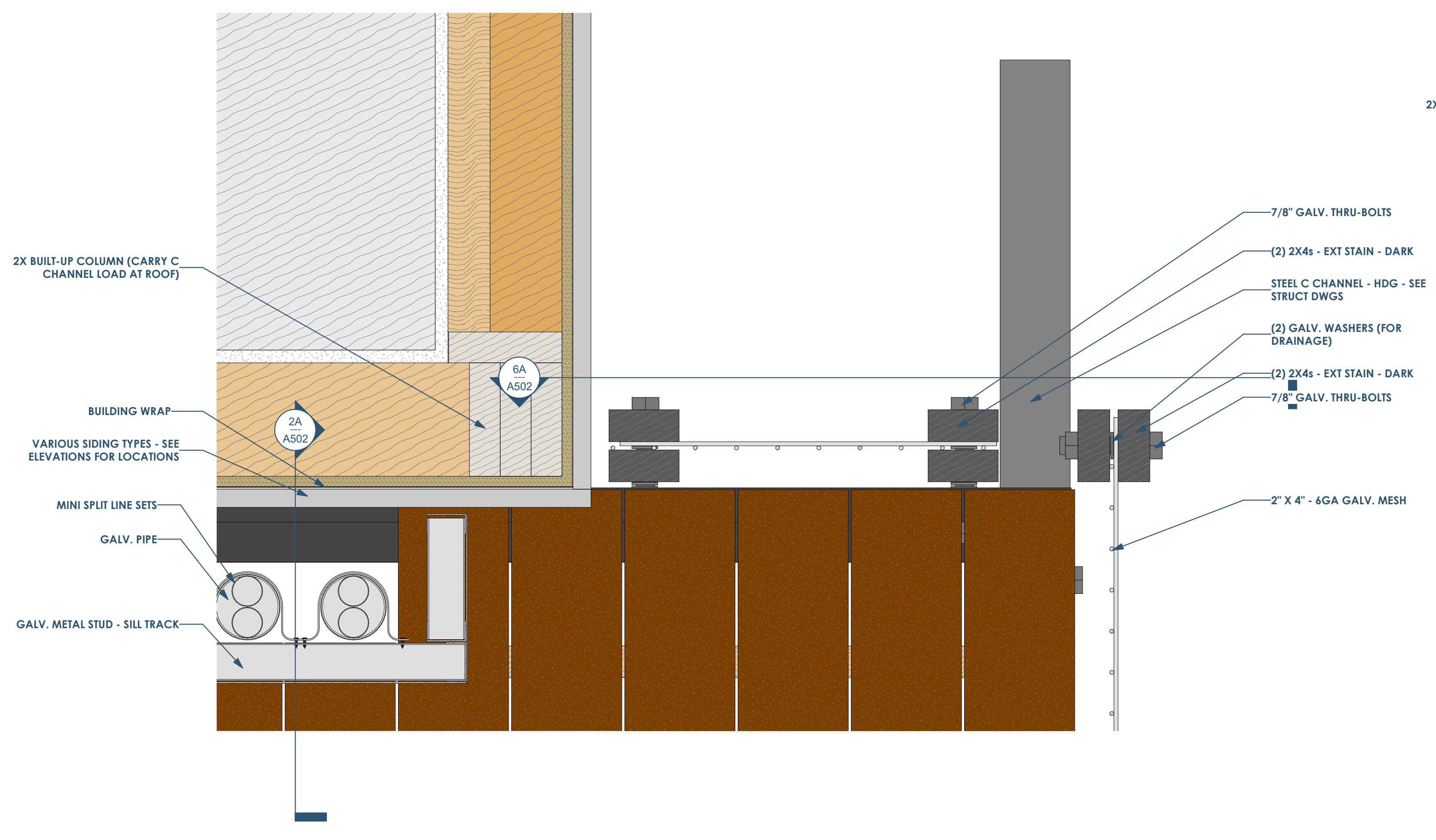
4C SECTION DETAIL AT PORCH ROOF AND PARAPET  
3" = 1'-0"



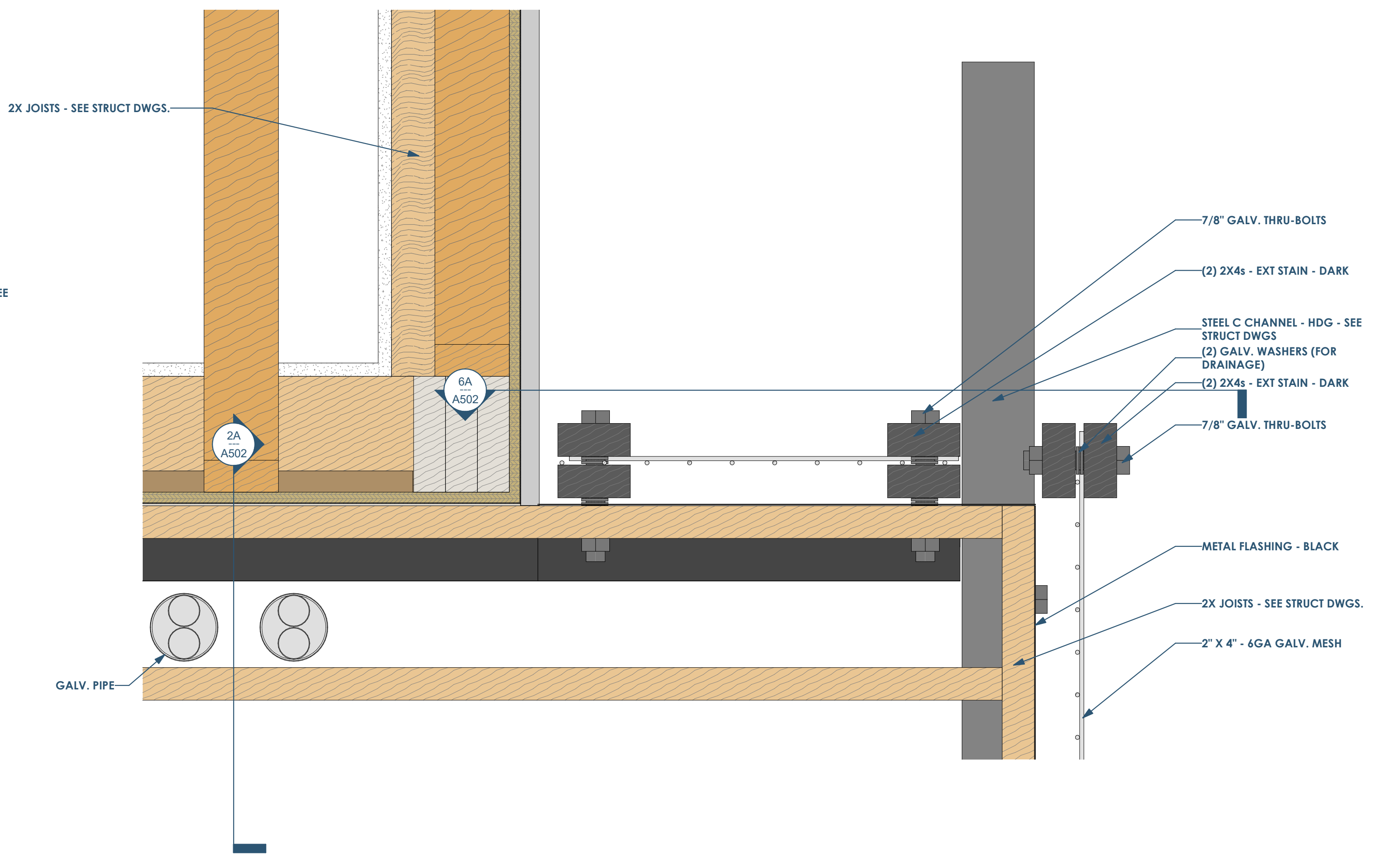
6A SECTION DETAIL AT UNIT DOOR SILL (2ND OR 3RD FLOOR)  
3" = 1'-0"

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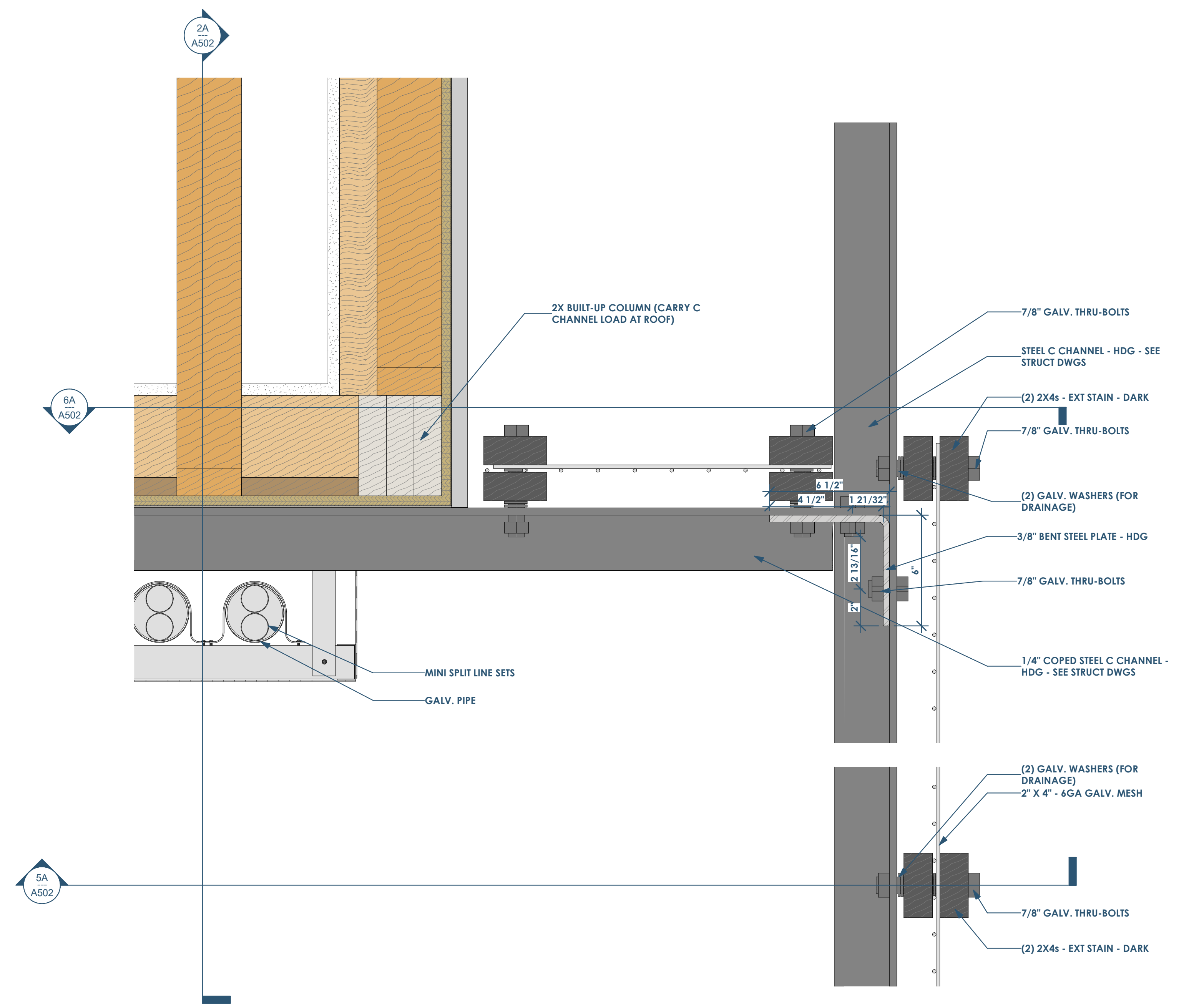
Date	Description
05.19.2022	Progress Set



6C A501 PLAN DETAIL AT SOUTH BALCONY - ABOVE DECKING  
3" = 1'-0"



3C A501 PLAN DETAIL AT SOUTH BALCONY - AT LEDGER  
3" = 1'-0"

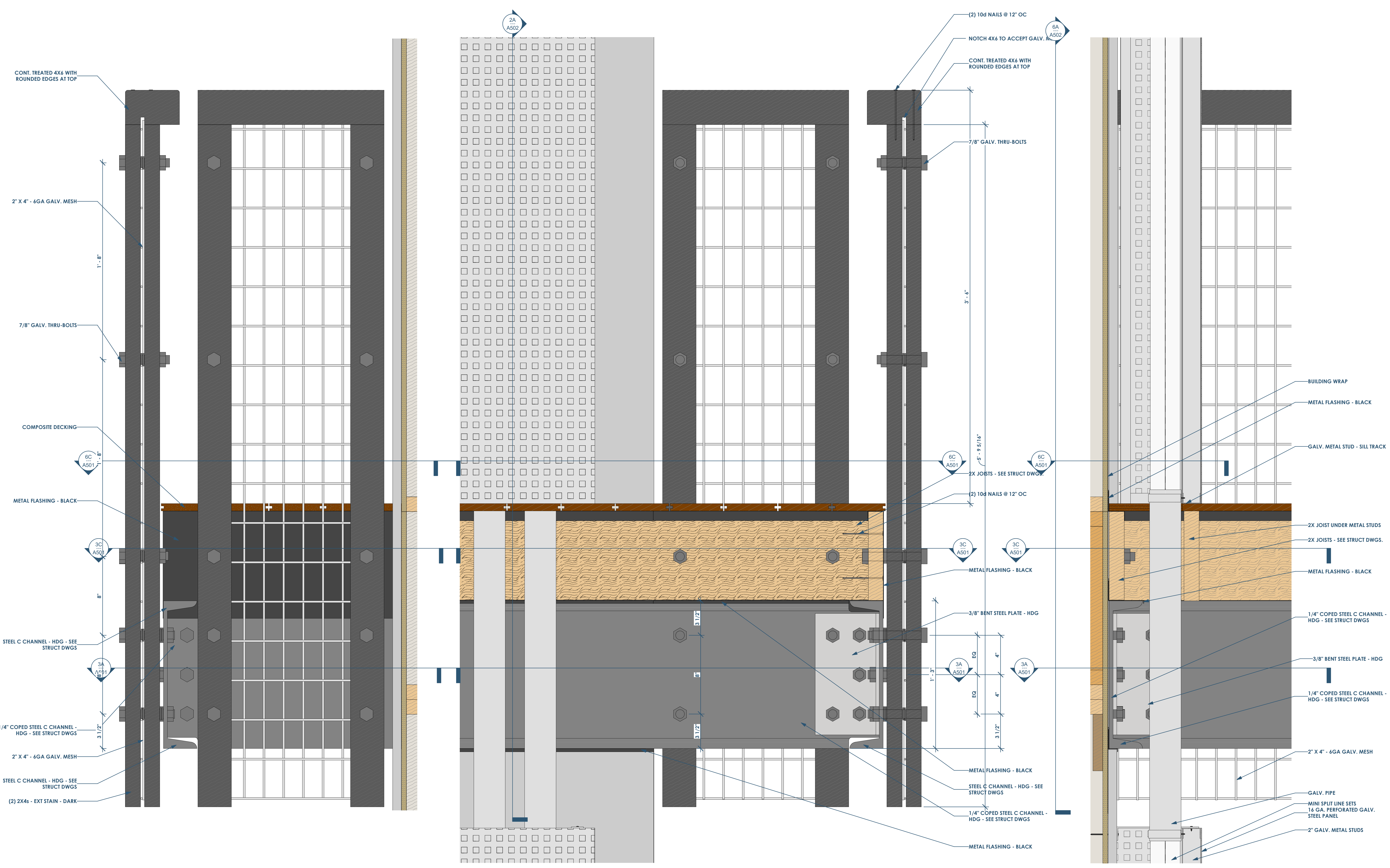


3A A501 PLAN DETAIL AT SOUTH BALCONY - AT STEEL  
3" = 1'-0"



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Date	Description
05.19.2022	Progress Set

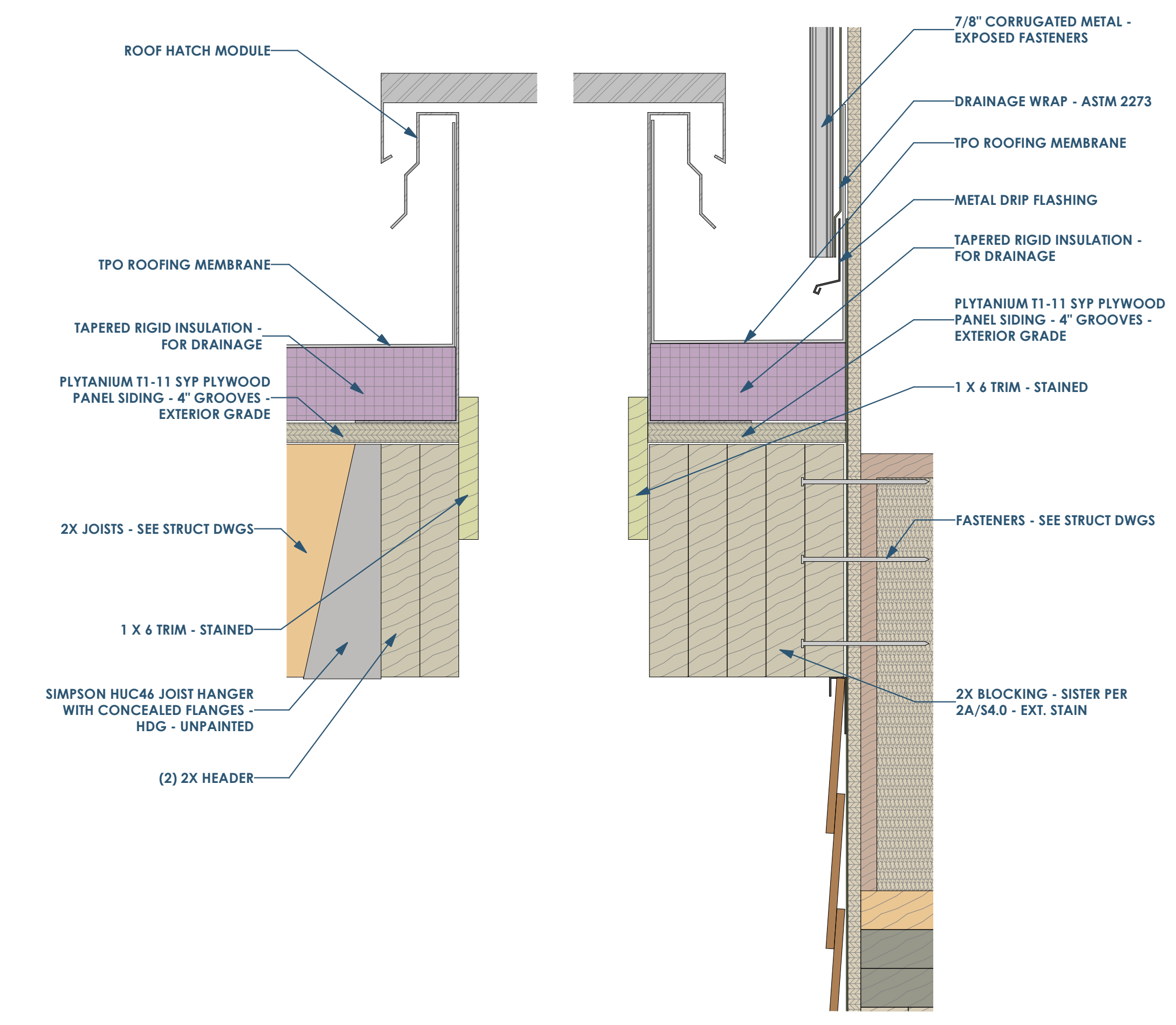


6A SECTION (ELEVATION) DETAIL AT SOUTH BALCONY - LOOKING EAST OR WEST  
3" = 1'-0"

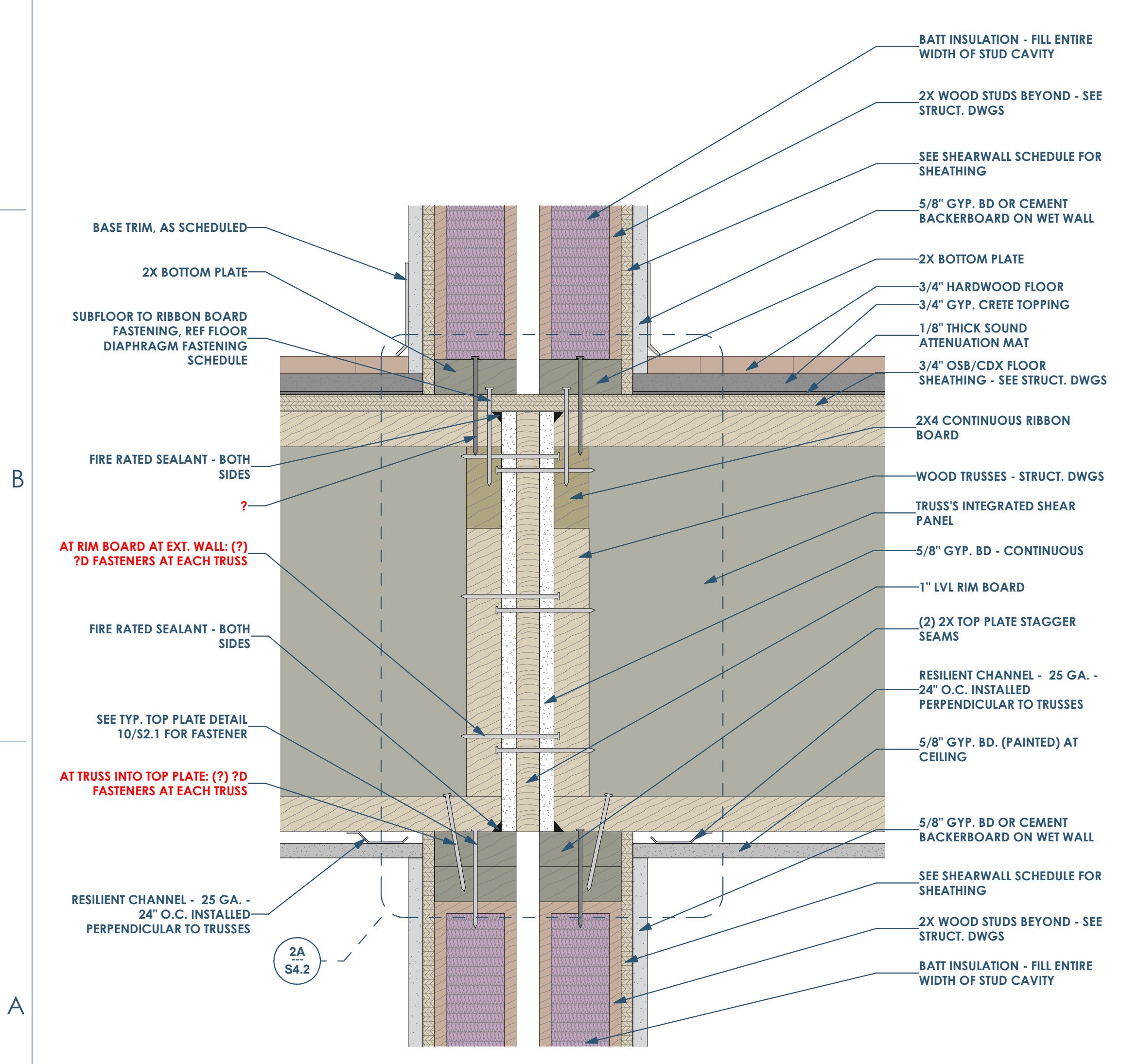
5A SECTION DETAIL AT SOUTH BALCONY - LOOKING EAST OR WEST  
3" = 1'-0"

2A SECTION AT BALCONY 4  
3" = 1'-0"

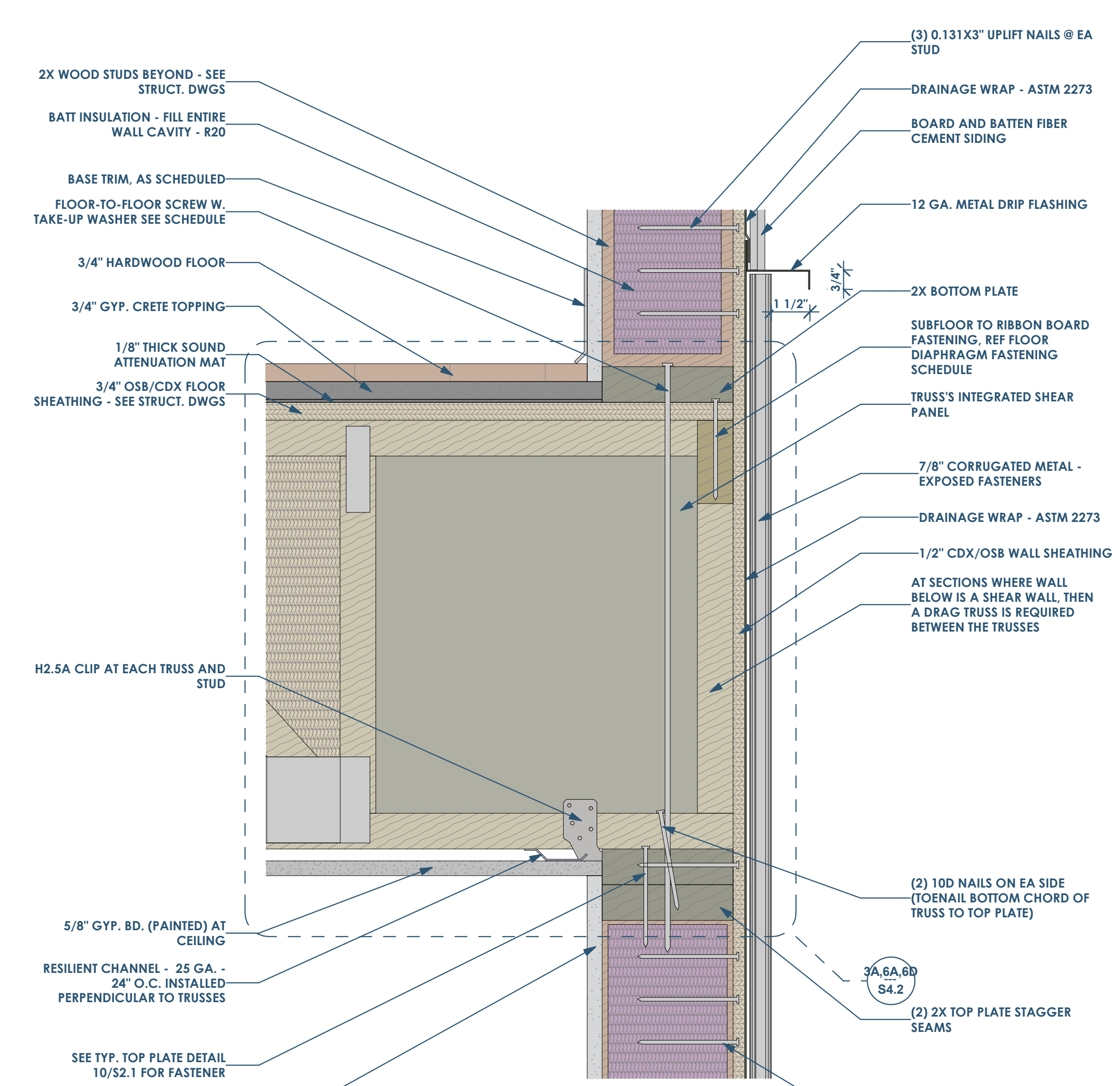
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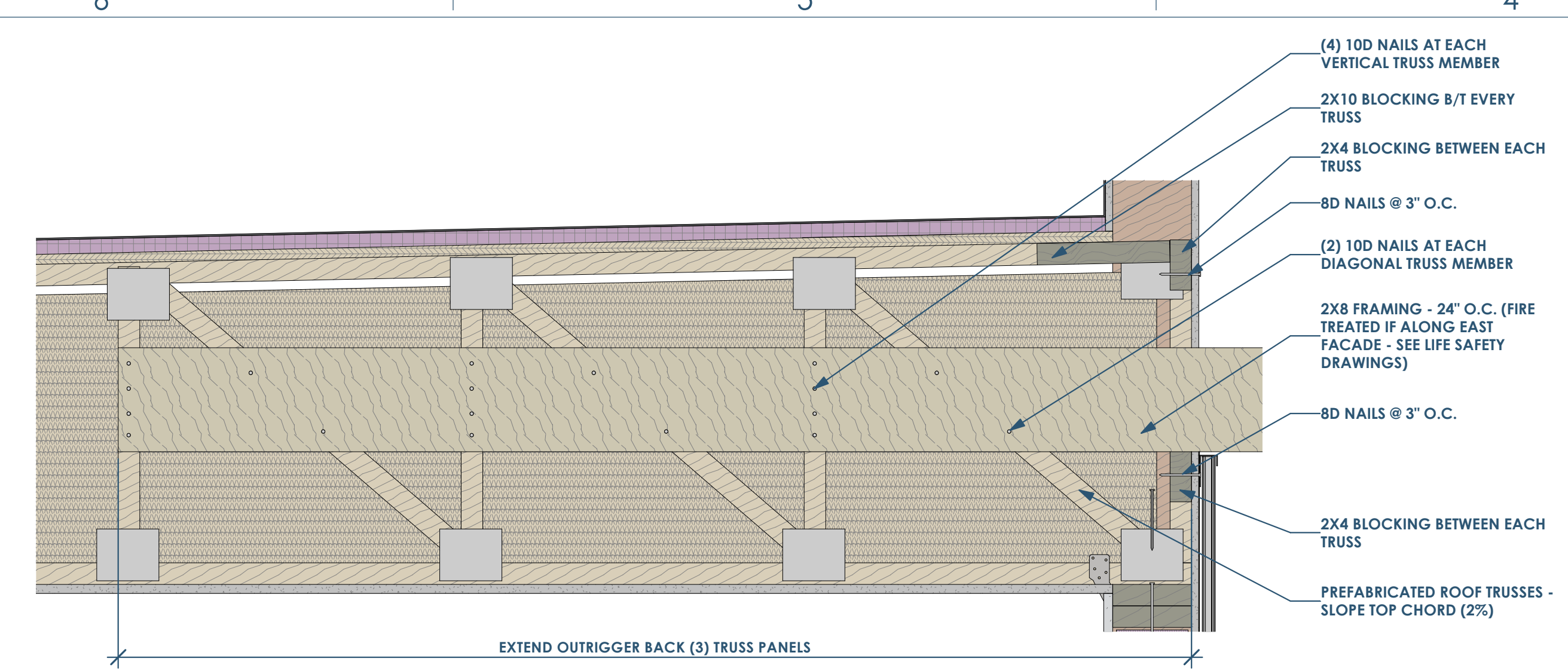
2C SECTION DETAIL - ROOF HATCH  
3\"/>



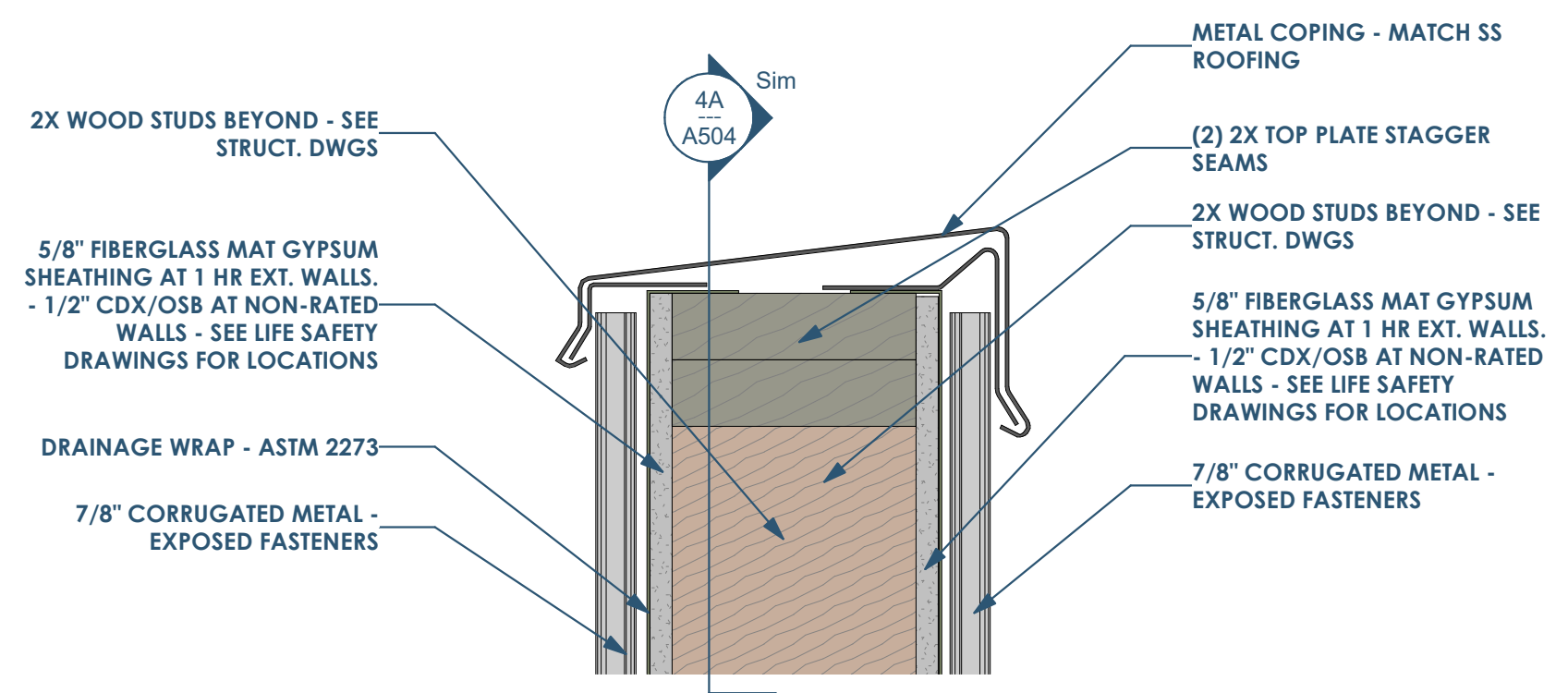
6A SECTION DETAIL - PARTY WALL AND FLOOR TRUSS  
3\"/>



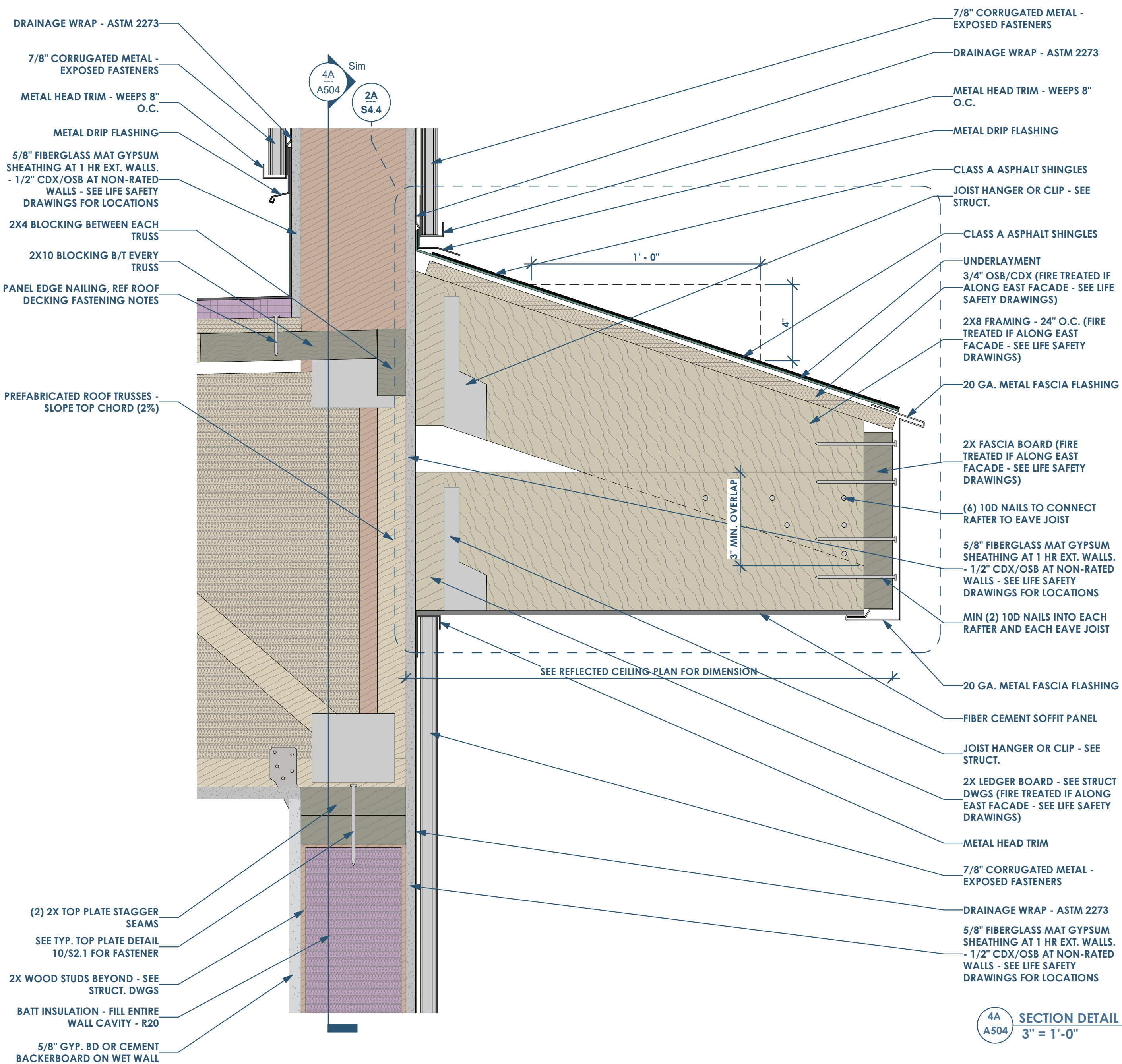
4A SECTION DETAIL - EXTERIOR WALL & FLOOR TRUSS  
3\"/>



SECTION DETAIL AT OUTRIGGER  
1 1/2" = 1'-0"

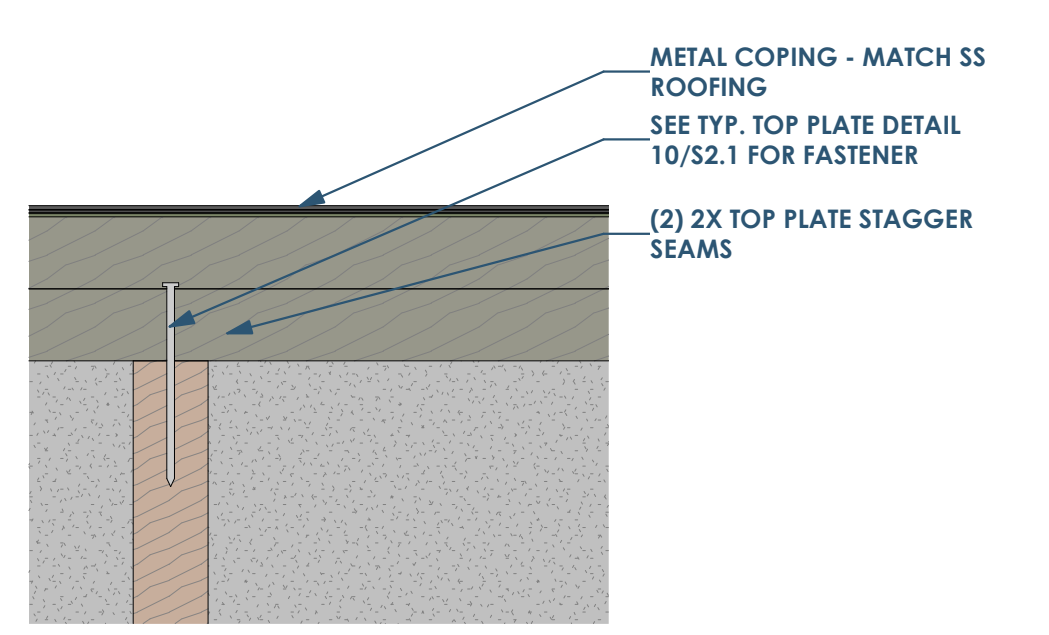


SECTION DETAIL - TOP OF PARAPET  
3" = 1'-0"

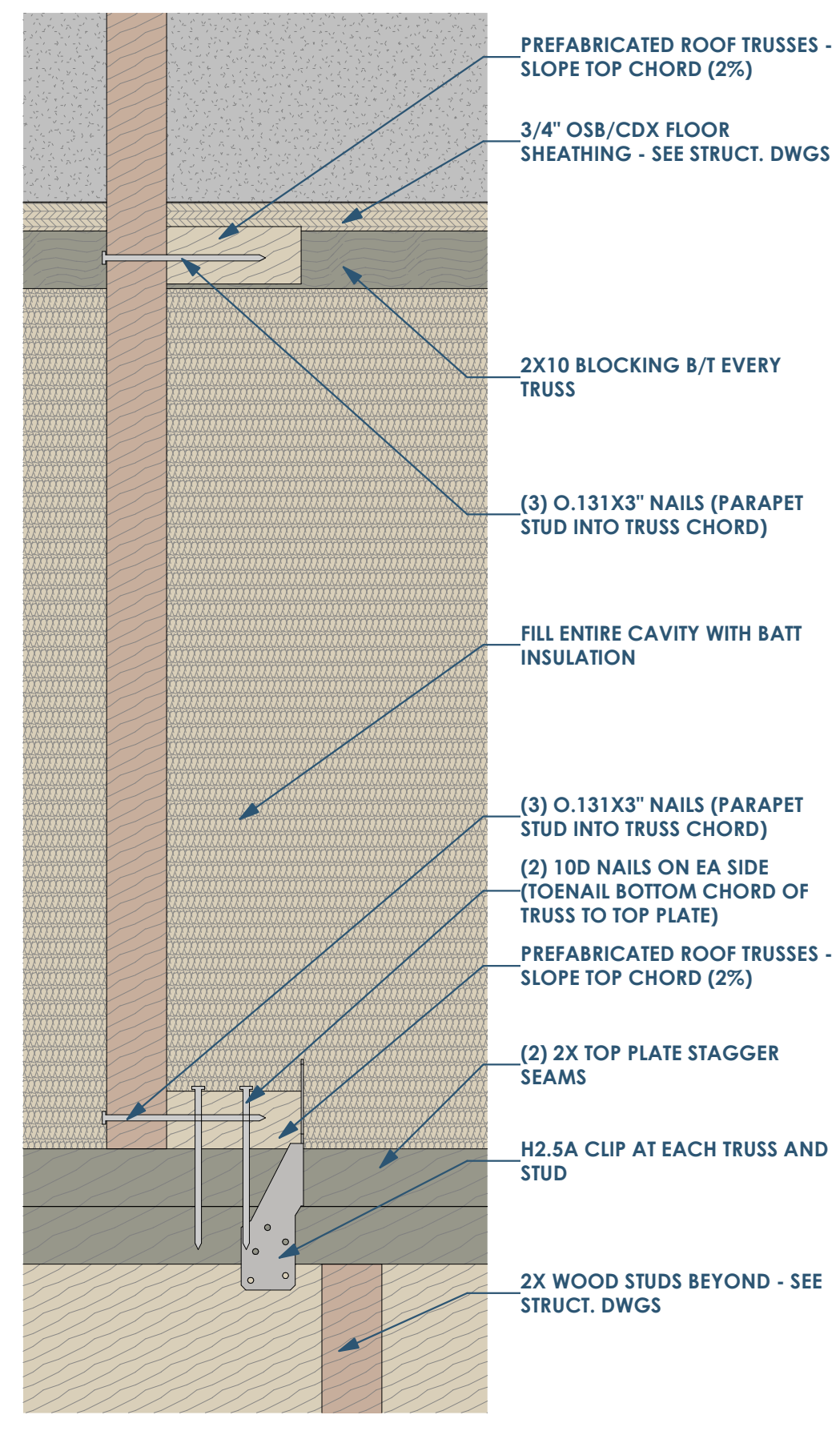


SECTION DETAIL - AT PARAPET WALL  
3" = 1'-0"

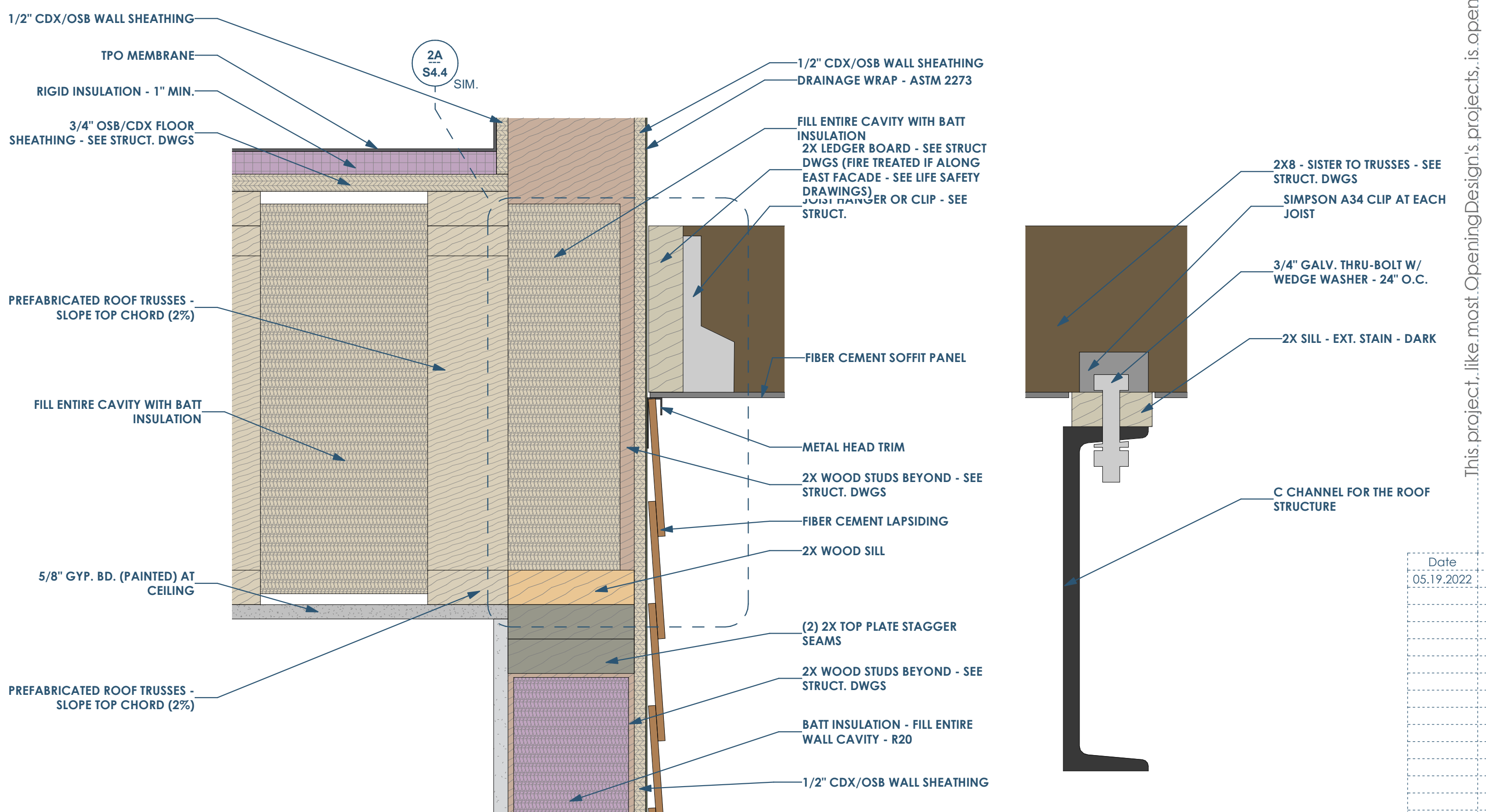
SECTION DETAIL - ROOF AND SOFFIT  
3" = 1'-0"



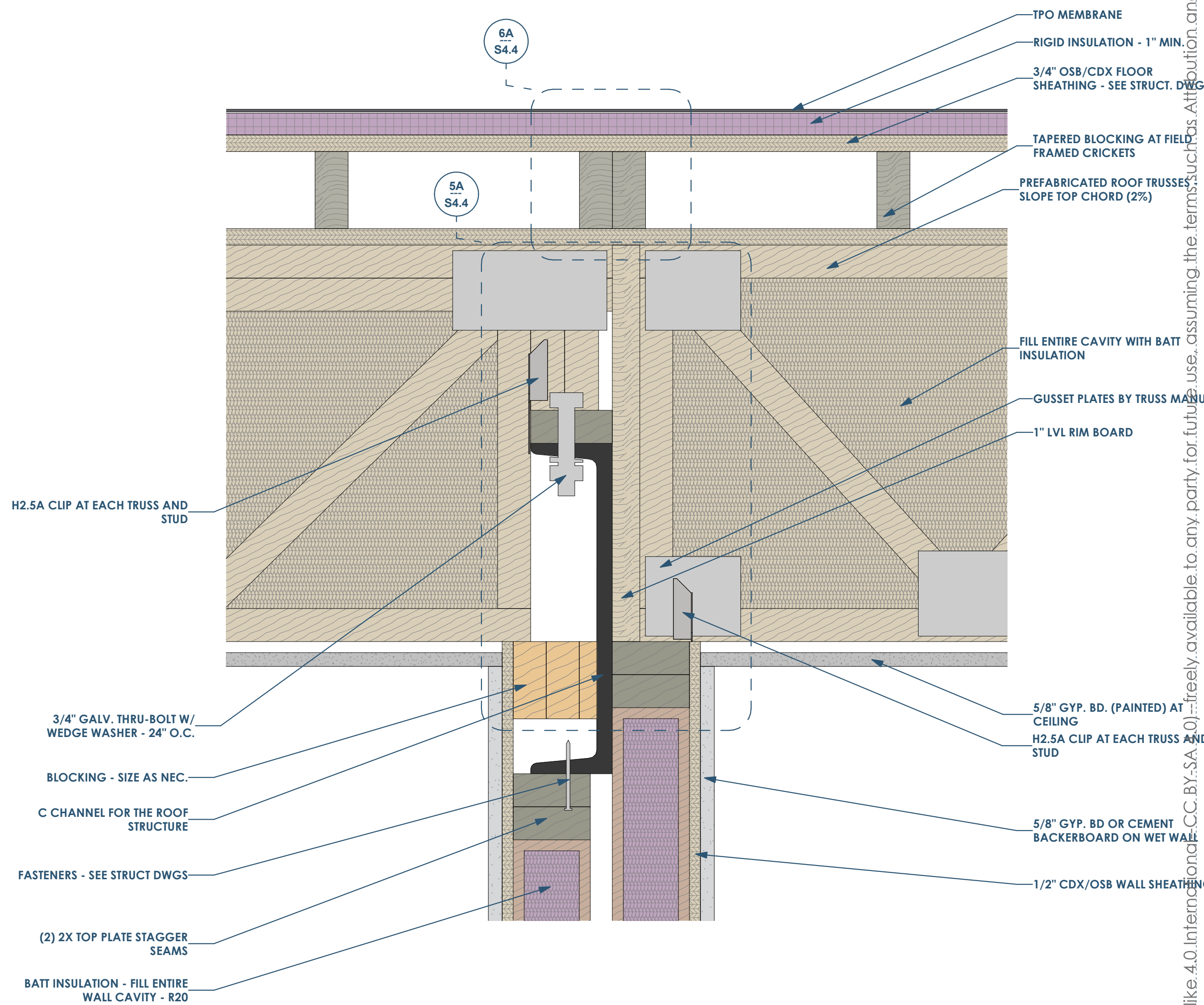
SECTION DETAIL - AT ROOF BEAM  
3" = 1'-0"



SECTION DETAIL - AT SOFFIT AND ALCOVE  
3" = 1'-0"



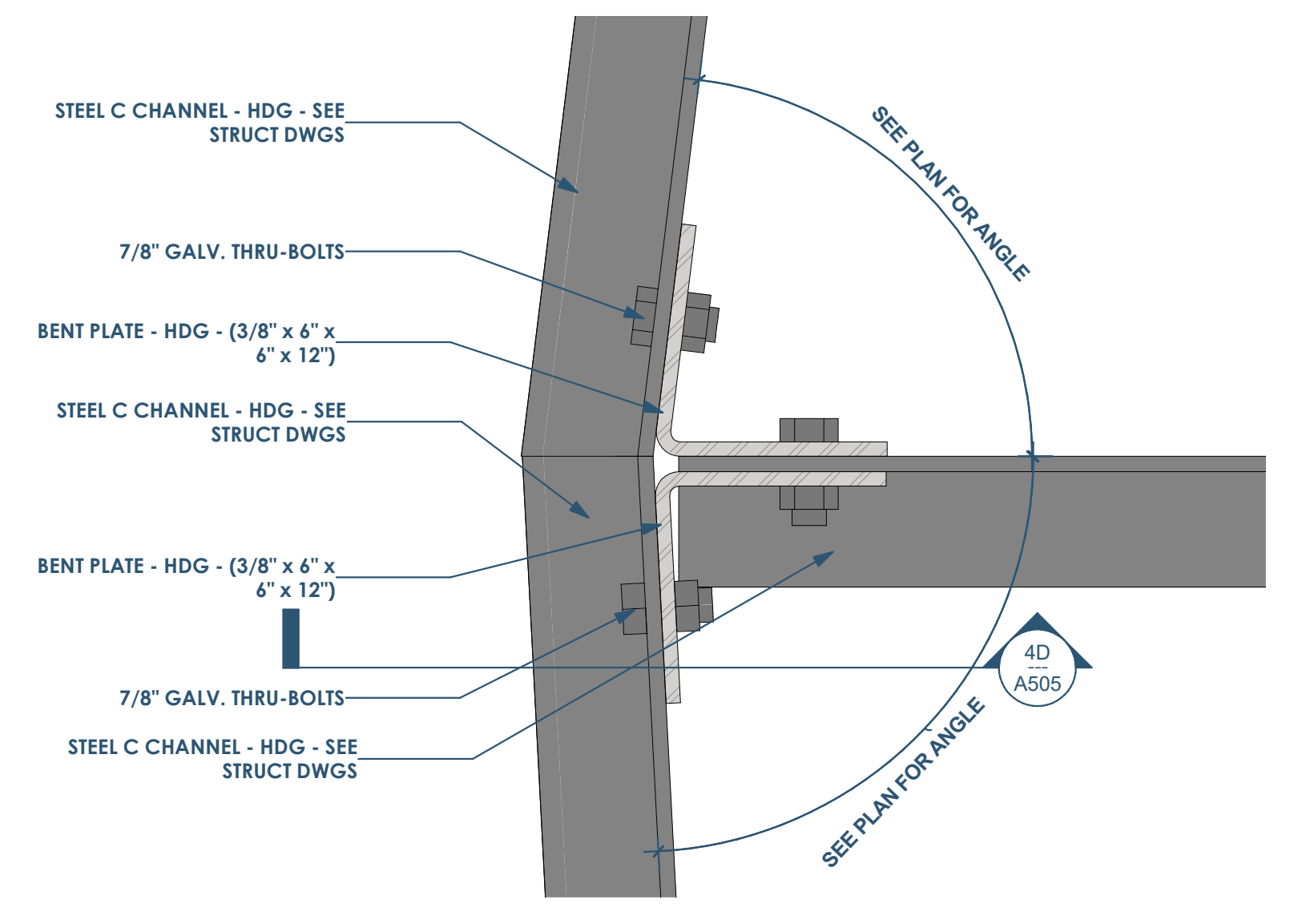
SECTION DETAIL - ALCOVE AT ROOF BEAM  
3" = 1'-0"



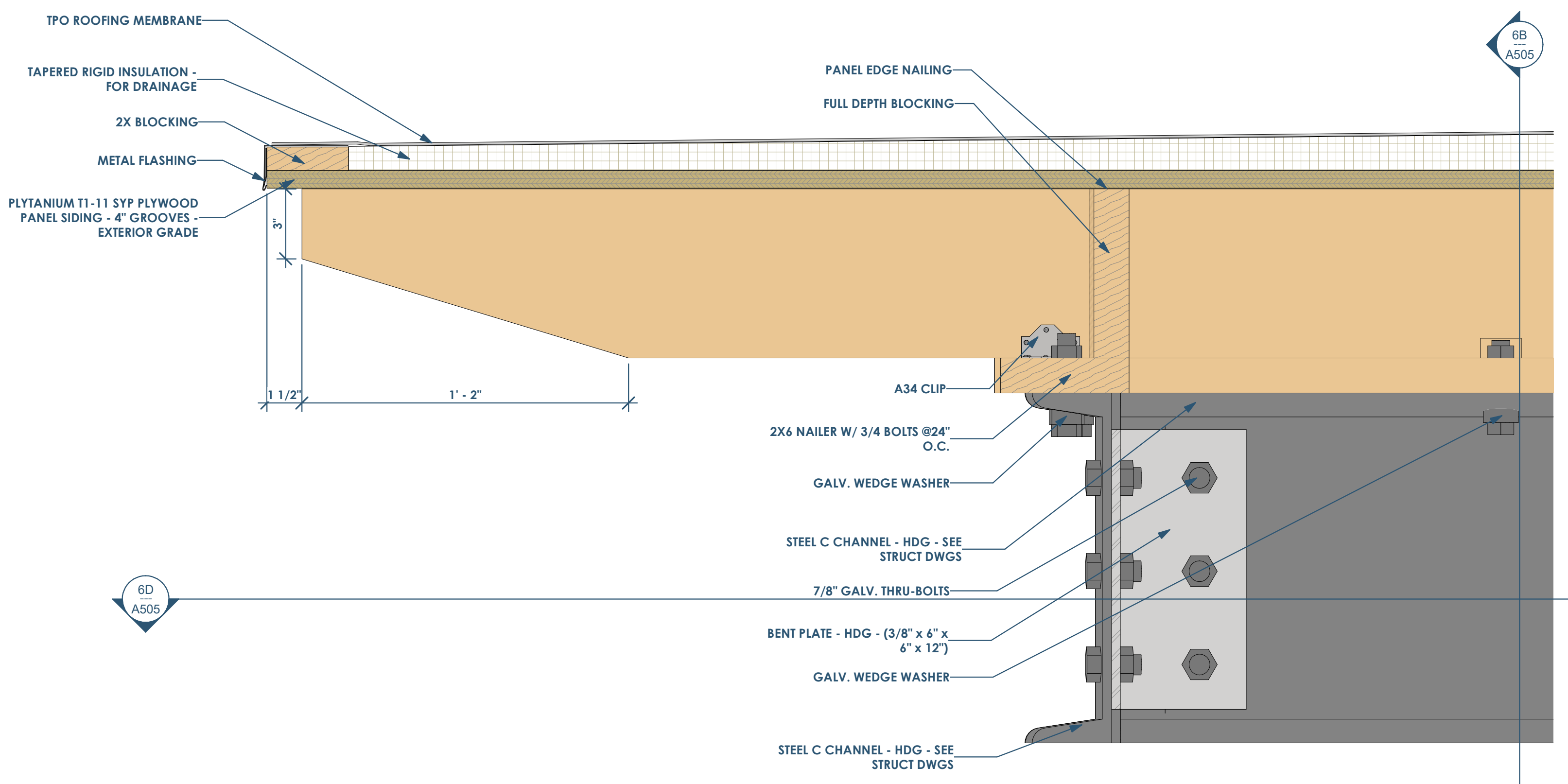
SECTION DETAIL - AT ROOF BEAM  
3" = 1'-0"

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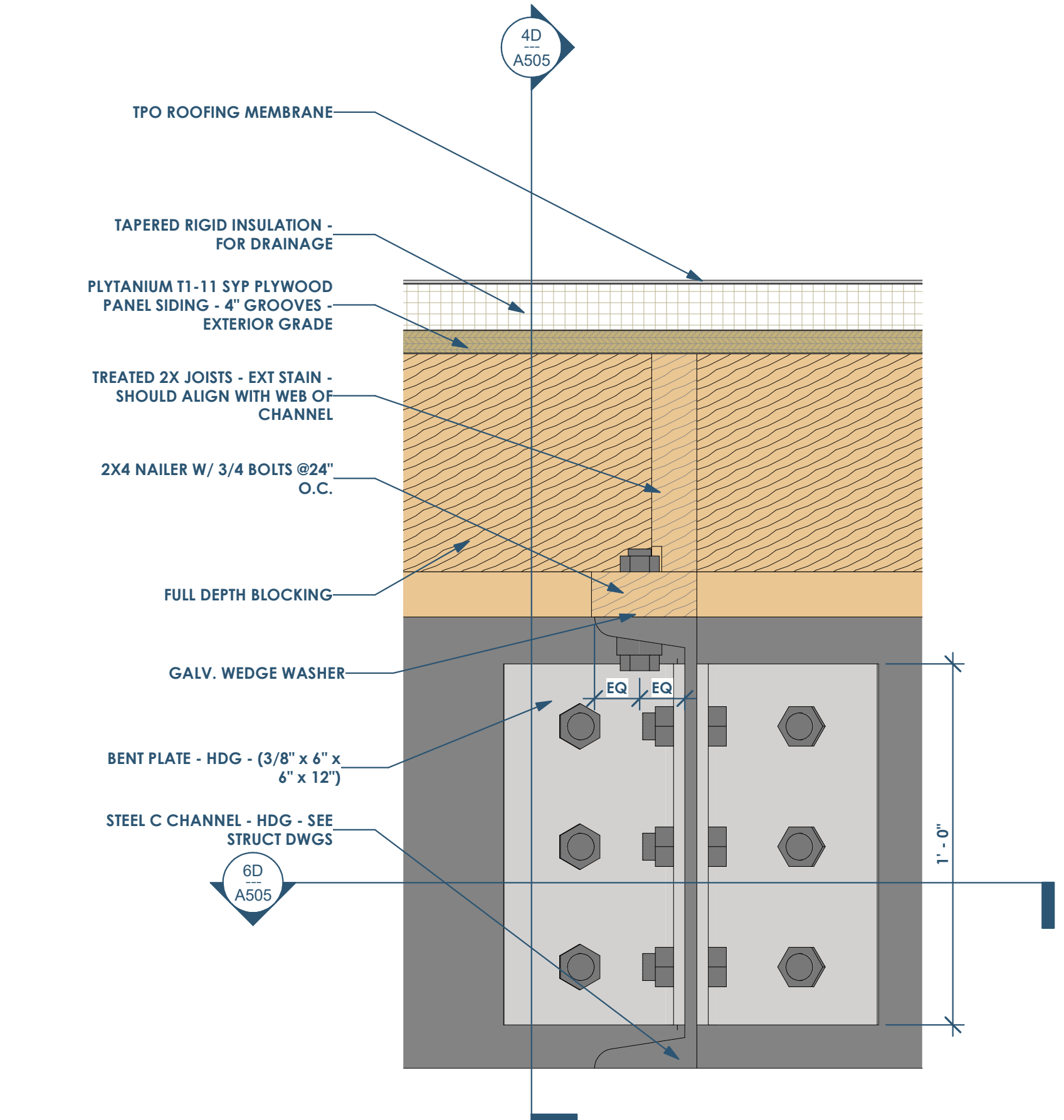
Date	Description
05.19.2022	Progress Set



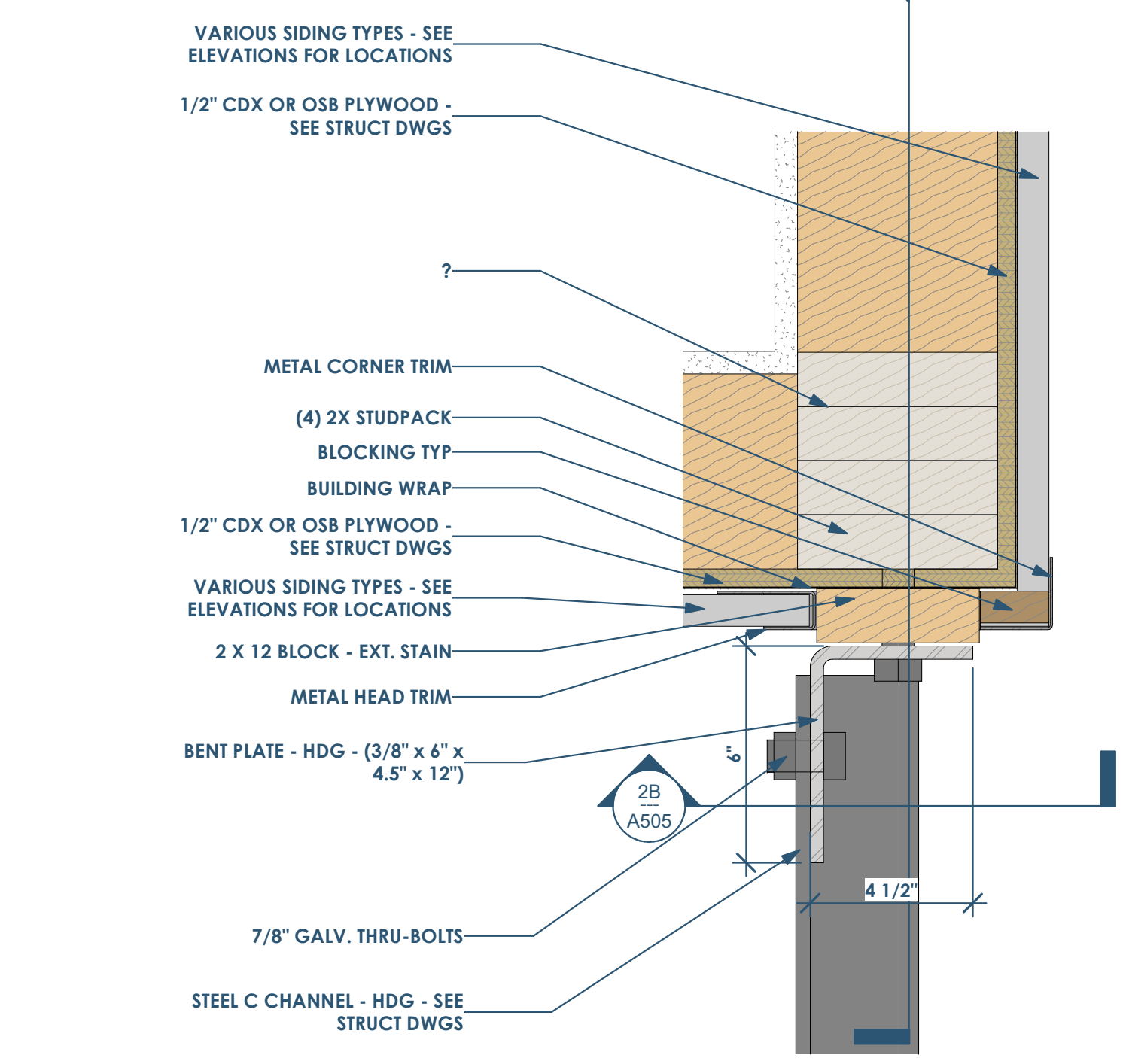
4D A505 DETAIL - ROOF - C CHANNEL PLAN  
3" = 1'-0"



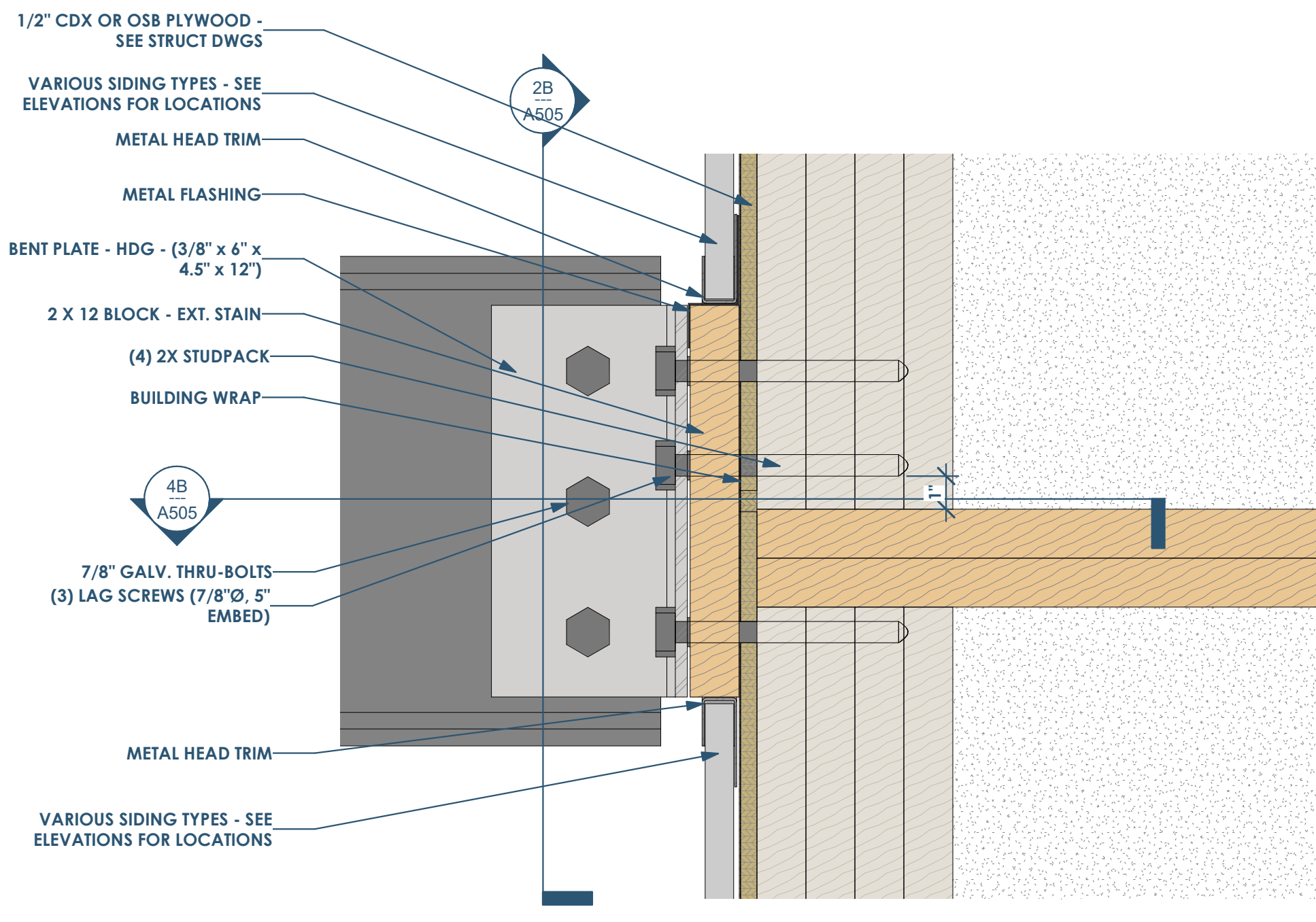
4D A505 DETAIL - ROOF - C CHANNEL SECTION 2  
3" = 1'-0"



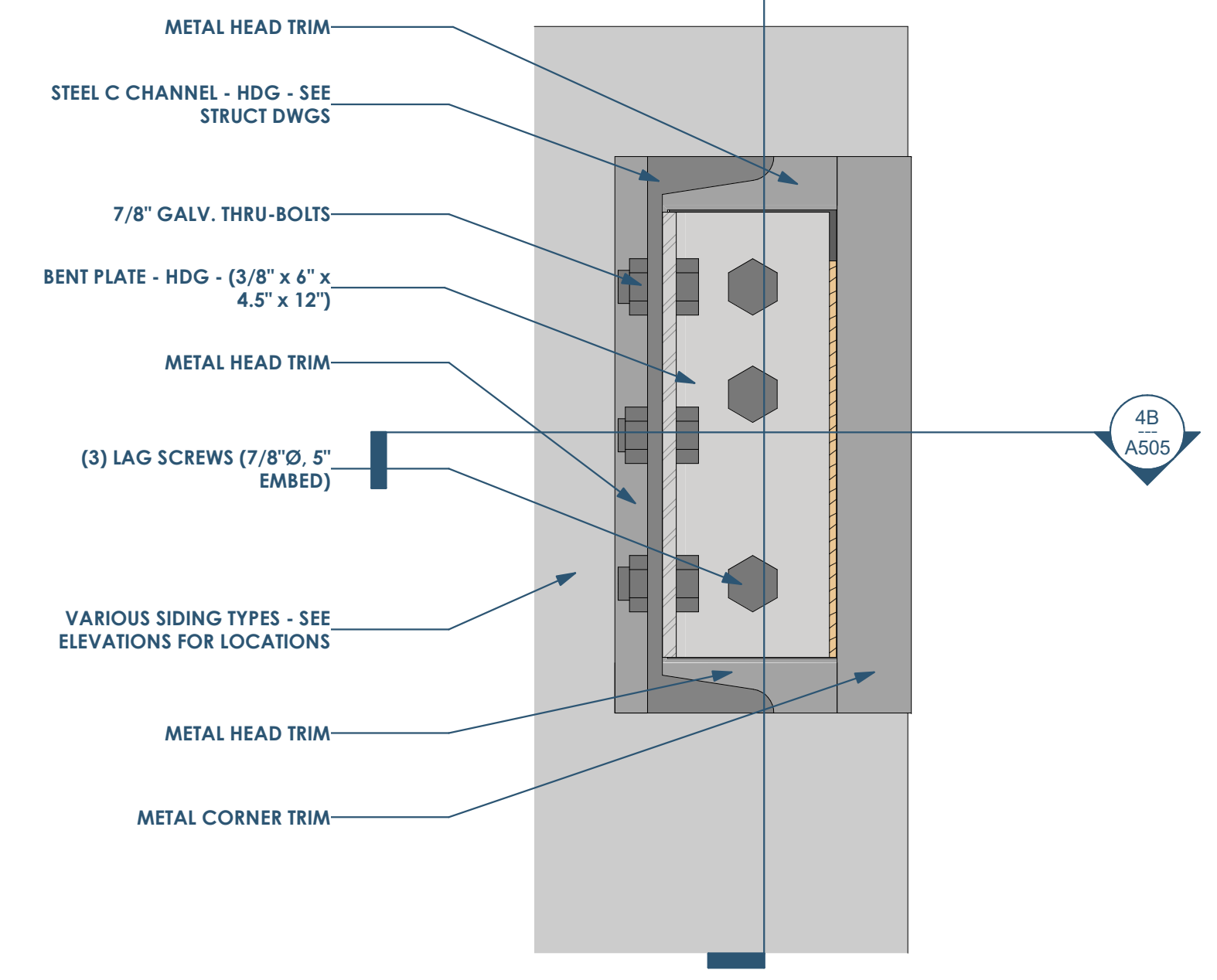
4B A505 DETAIL - ROOF - C CHANNEL SECTION 1  
3" = 1'-0"



4B A505 DETAIL - ROOF 2 - C CHANNEL PLAN  
3" = 1'-0"



4A A505 DETAIL - ROOF 2 - C CHANNEL - SECTION 1  
3" = 1'-0"



2B A505 DETAIL - ROOF 2 - C CHANNEL - SECTION 2  
3" = 1'-0"

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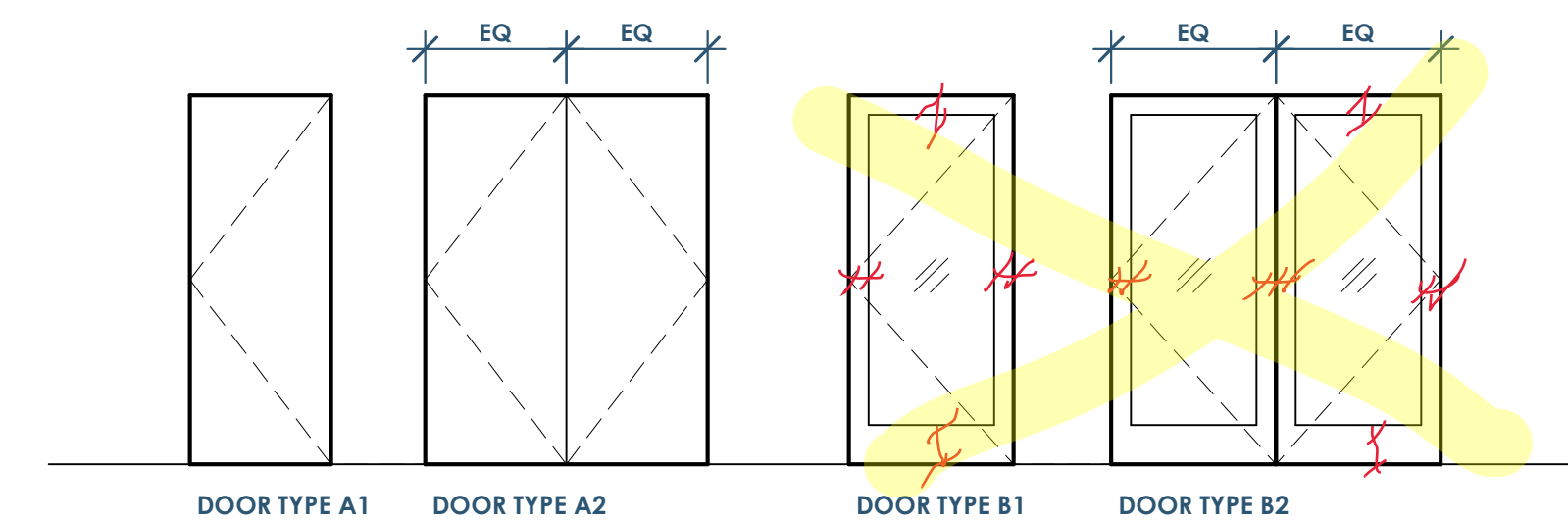
Date	Description
05.19.2022	Progress Set

**DOOR SCHEDULE - TYPE**

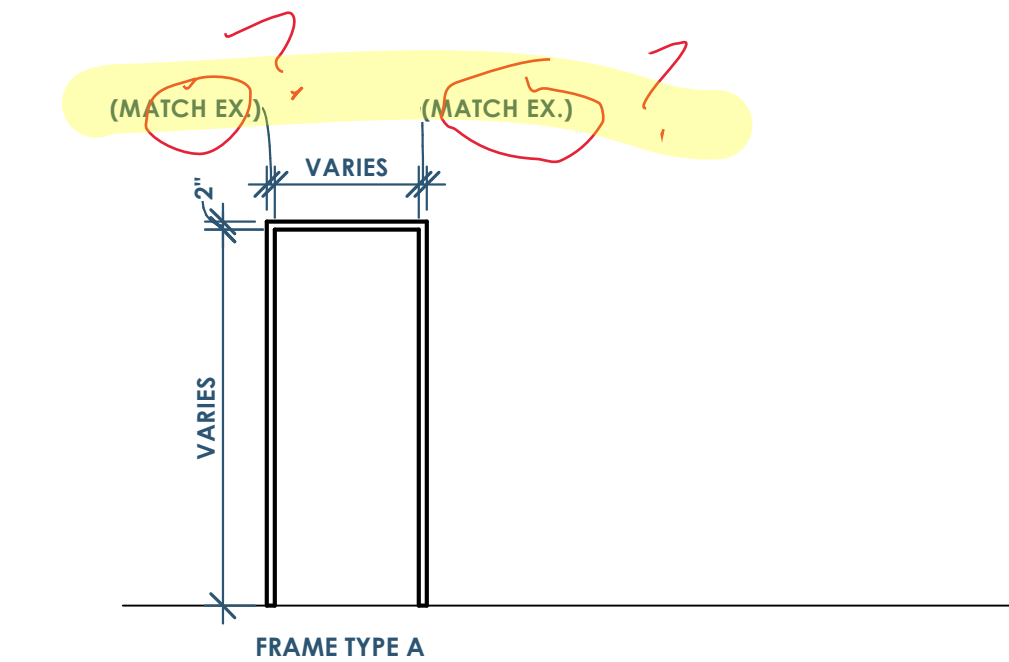
Count	Type Mark	Type	Width	Height	Fire Rating	Door Type	Door Material	Frame Type	Frame Material	DS, Door, Glazing_Material, (SFI)	Comments	Type Comments
28	D1	SINGLE - LITE - MUNTINS - 3-0 x 6-8	3'-0"	6'-8"		B1	CW - CLAD WOOD DOOR	A	CW - CLAD WOOD DOOR	GL - TEMPERED - INSULATED - LOW-E		
24	D2	SINGLE - FLUSH - 3-0 x 6-8	3'-0"	6'-8"		A1	WD - HOLLOW CORE	A	WD			
30	D3	SINGLE - FLUSH - 2-10 x 6-8	2'-10"	6'-8"		A1	WD - HOLLOW CORE	A	WD			
11	D4	SINGLE - FLUSH - 3-0 x 6-8	2'-0"	6'-8"		A1	WD - HOLLOW CORE	A	WD			
6	D5	DOUBLE - FLUSH - 5-0 x 6-8	5'-0"	6'-8"		A2	WD - HOLLOW CORE	A	WD			
1	D6	SINGLE - HOLLOW METAL - 3-0 x 6-8	3'-0"	6'-8"		A1	HM	A	HM	N/A		

**SIMPLIFIED WINDOW SCHEDULE**

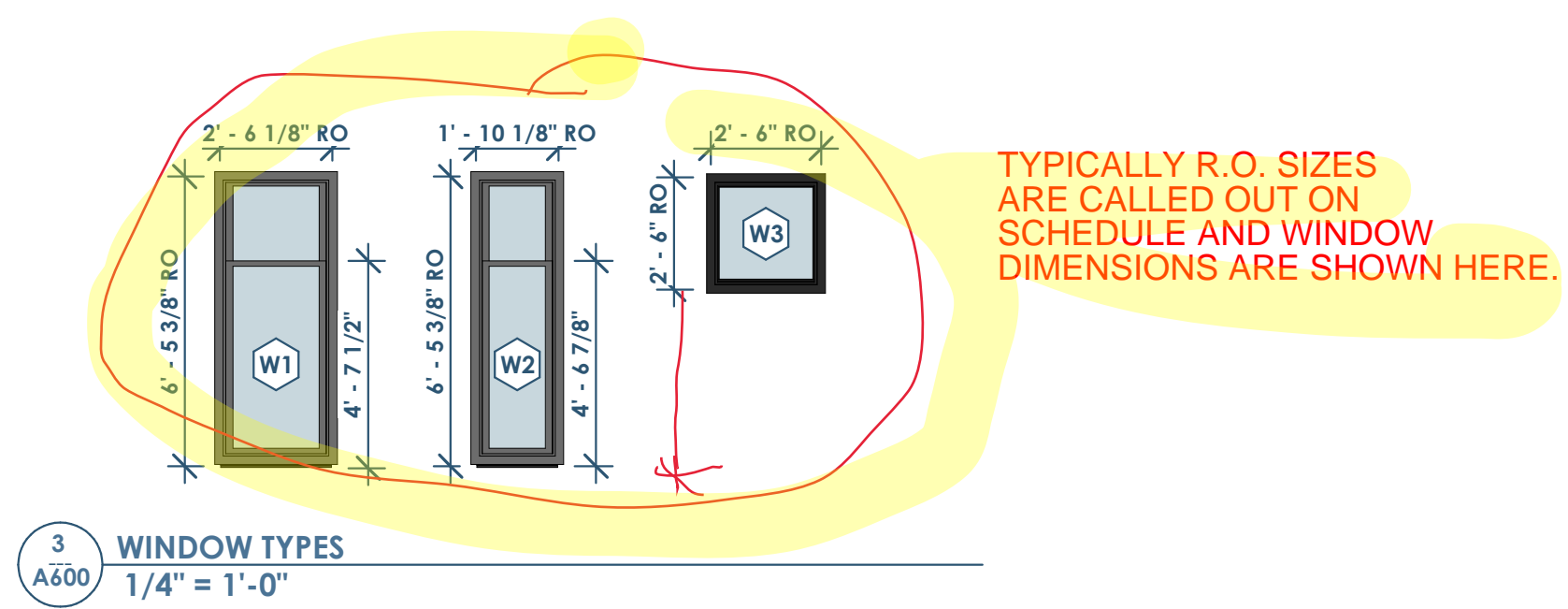
PHASE CREATED	TYPE MARK	TYPE	COUNT	WIDTH	HEIGHT	TYPE COMMENTS
1ST PHASE	W1	DOUBLE HUNG - 2642	47	2' - 5 5/8"	6' - 4 7/8"	BOTTOM SASH LIMITED TO 4" MAX OPEN
1ST PHASE	W2	DOUBLE HUNG - 1842	31	1' - 9 5/8"	6' - 4 7/8"	BOTTOM SASH LIMITED TO 4" MAX OPEN
1ST PHASE	W3	PICTURE - 2426	18	2' - 5 1/2"	2' - 5 1/2"	



1  
A600  
DOORS - PANEL TYPES  
1/4" = 1'-0"



2  
A600  
DOORS - FRAME TYPES  
1/4" = 1'-0"



3  
A600  
WINDOW TYPES  
1/4" = 1'-0"

PRELIMINARY - NOT FOR CONSTRUCTION

**RENOWN**  
Renovation Wranglers

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Katenecason@time.com | 979.450.9969

**ARB**  
ARCHITECTURE

Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
lsa@lkbarchitecture.com | 713.425.3076

**DUDDLEY**

Structural: Dudley  
6102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS

MEP: AMC Engineers  
508 E Jackson St # 552  
Burrmet, TX 78611  
info@amcengineers.com

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**openingdesign**

Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set

**RENOVATION**  
Wranglers  
Architects

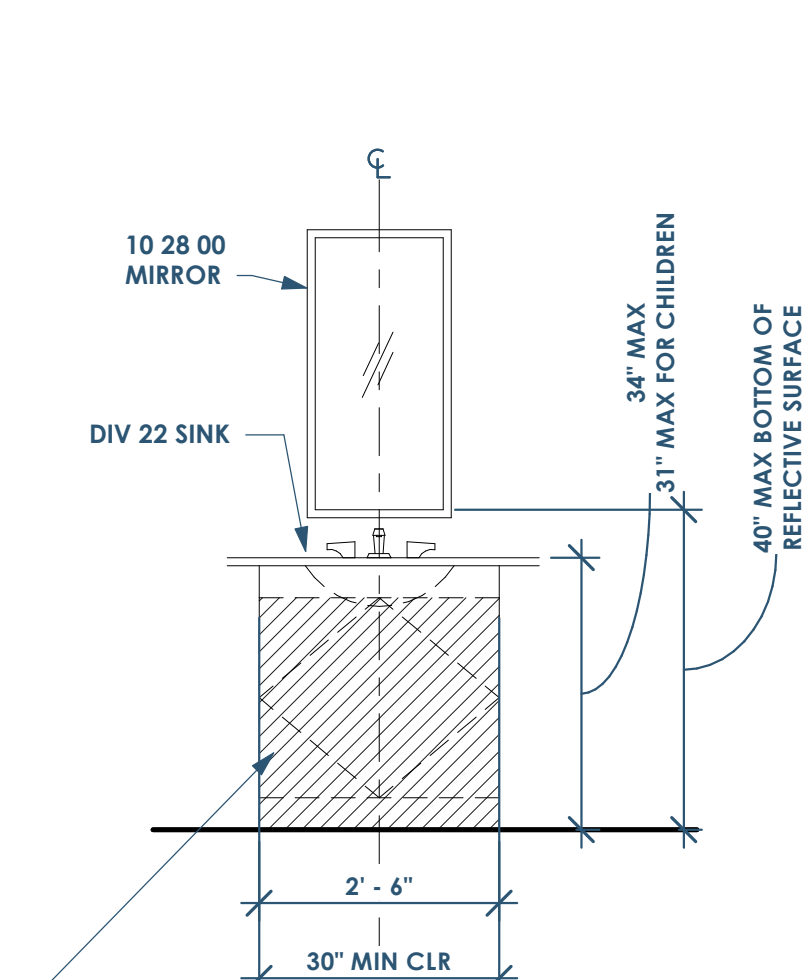
Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
kate@renovationwranglers.com | 979.450.9969

**ARCHITECTURE**  
Architect of Record: UKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@ukbarchitecture.com | 713.425.3076

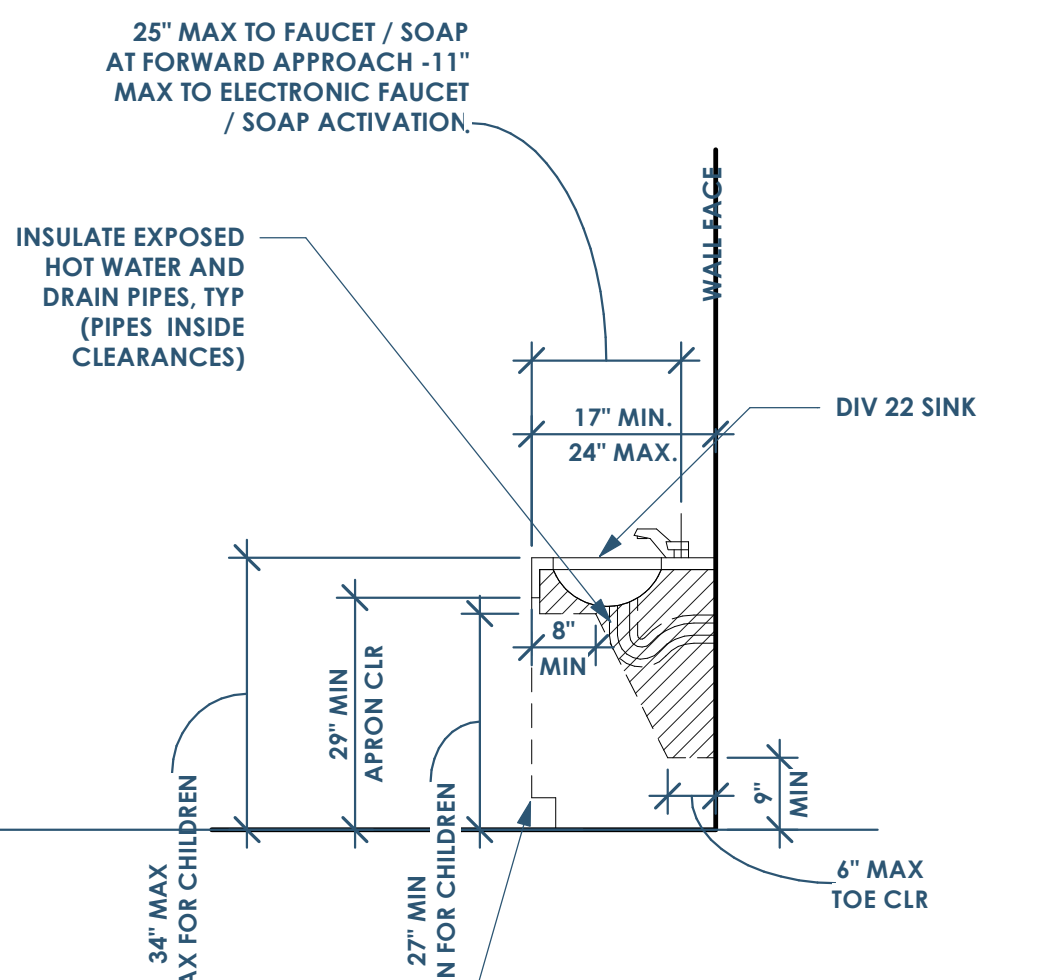
**DUDDLEY**  
Structural: Dudley  
4102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
ENGINEERS

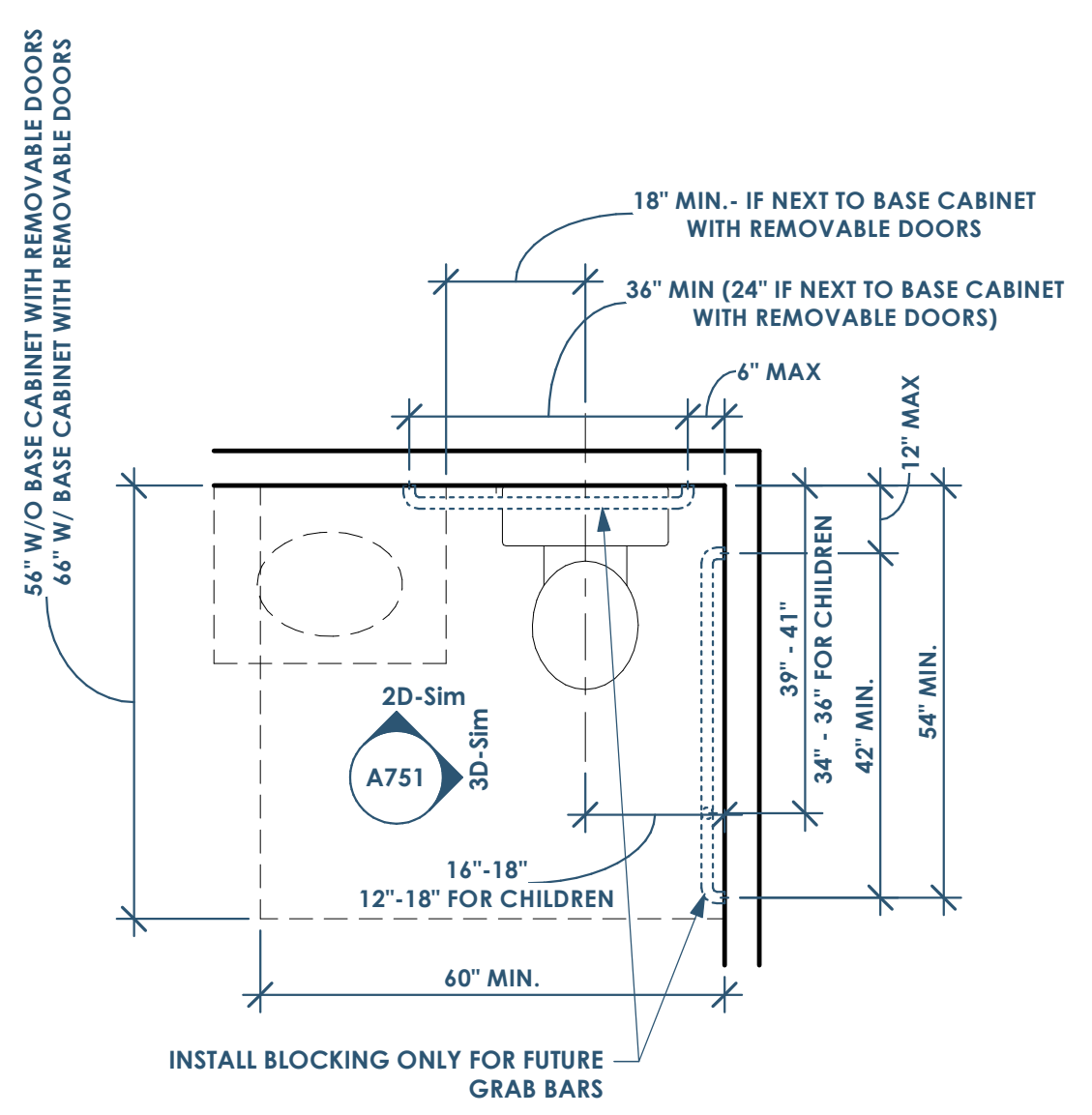
MEP: AMC Engineers  
508 E Jackson St # 552  
Burnet, TX 78611  
info@amcengineers.com



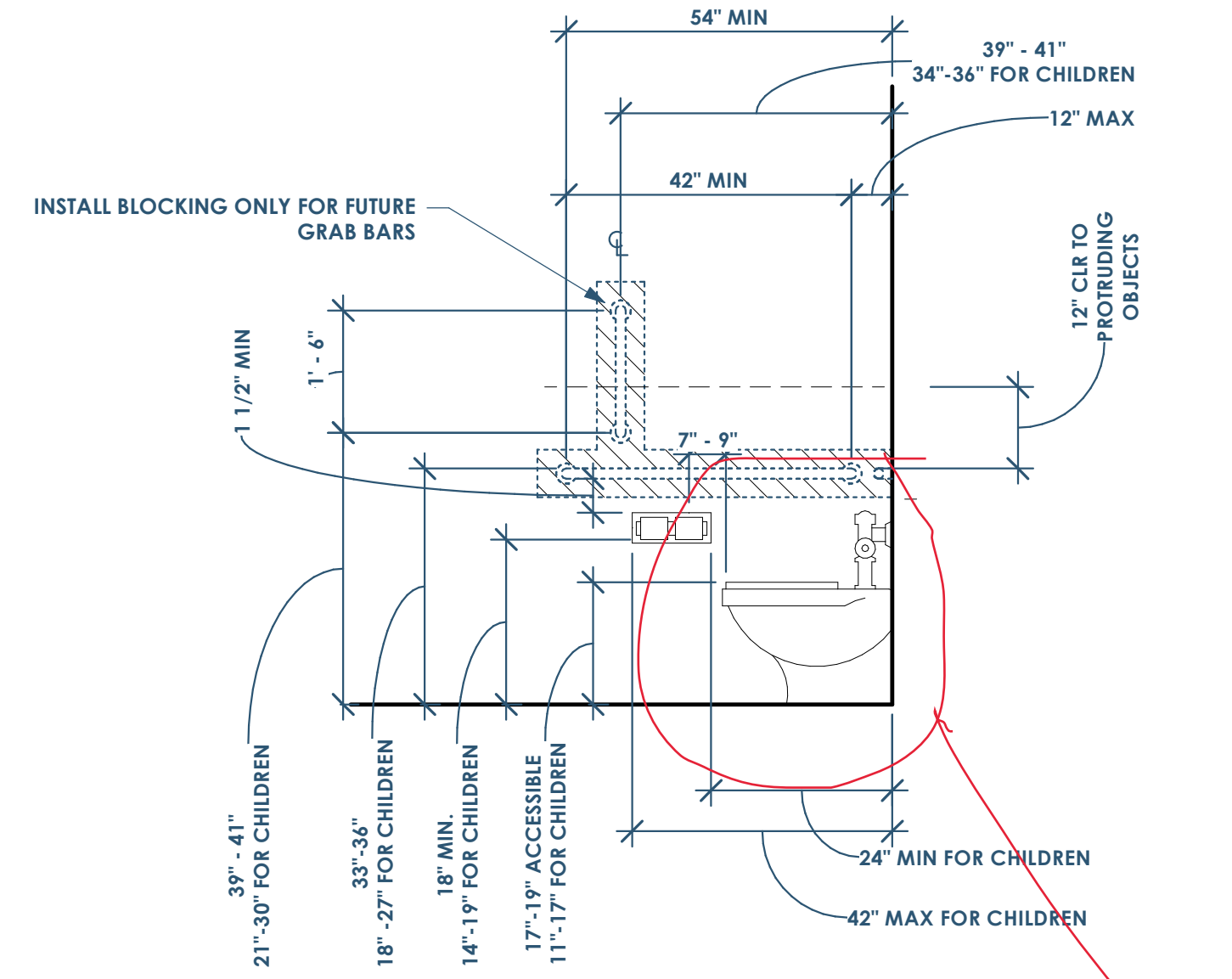
6D ADA - TYPE A - LAVATORY - FRONT (OR TYPE B FRONT APPROACH)  
1/2" = 1'-0"



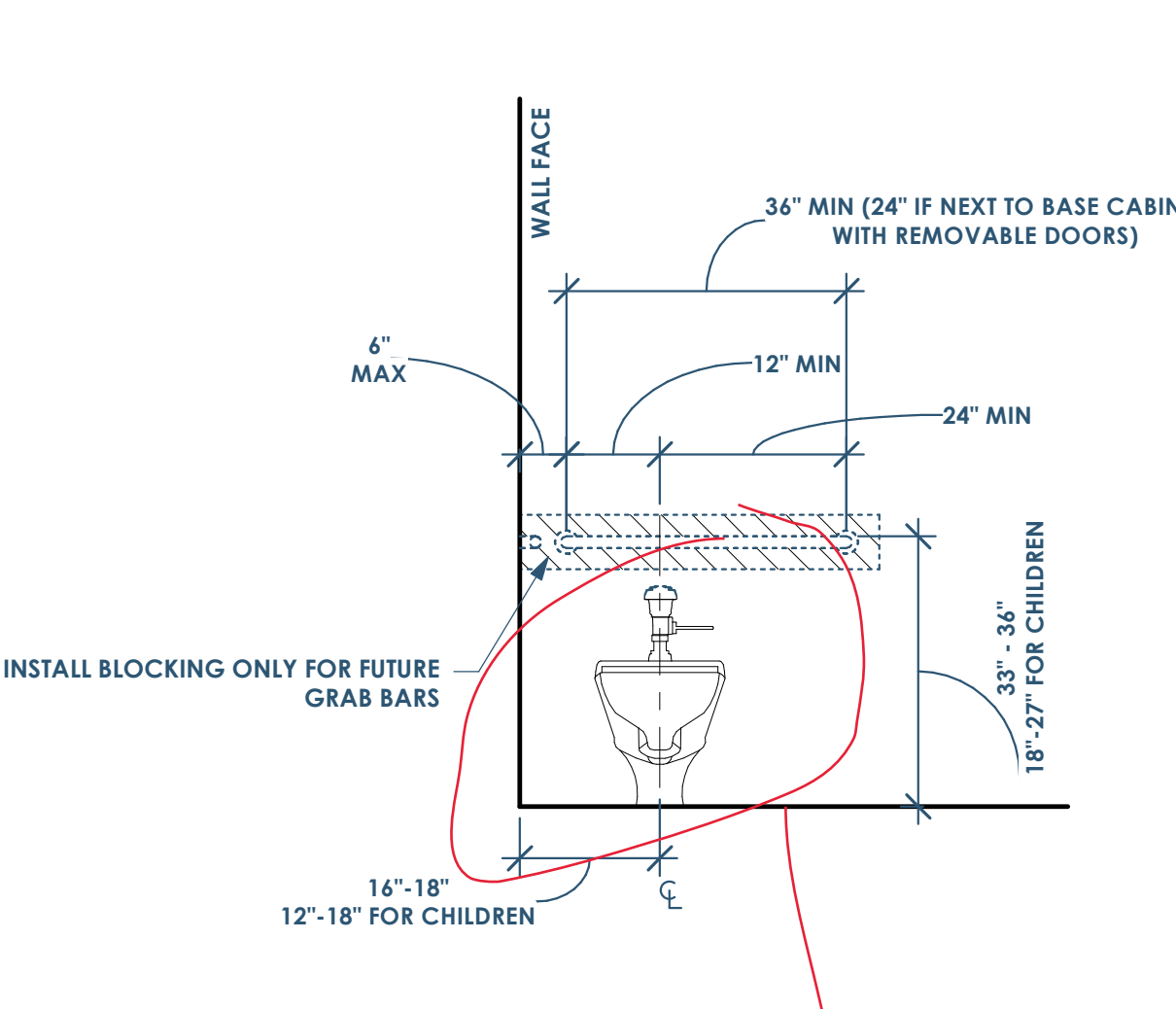
5D ADA - TYPE A - LAVATORY - SIDE (OR TYPE B FRONT APPROACH)  
1/2" = 1'-0"



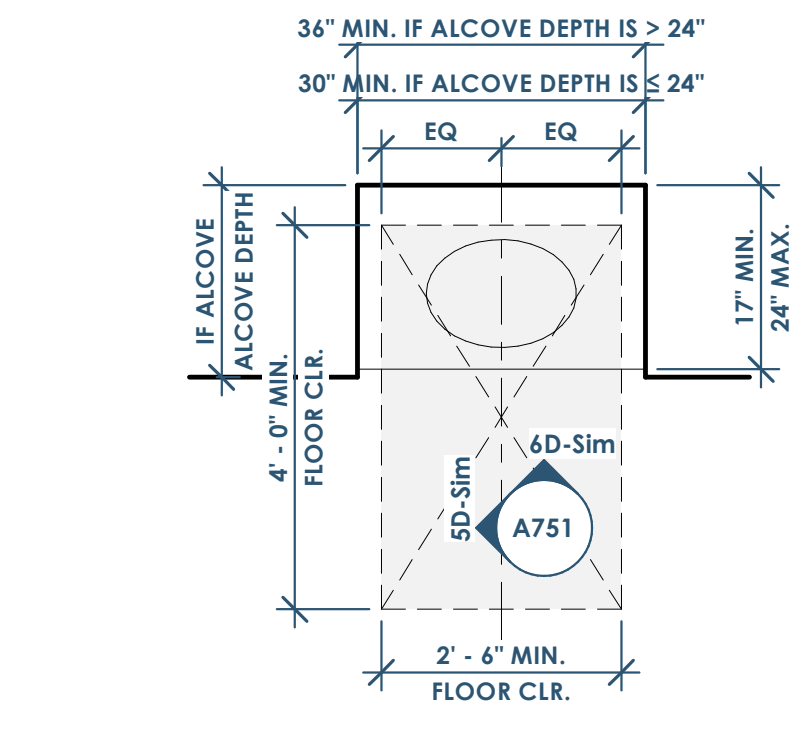
4D ADA - TYPE A - WATER CLOSET - FLOOR PLAN (OR TYPE B FRONT APPROACH)  
1/2" = 1'-0"



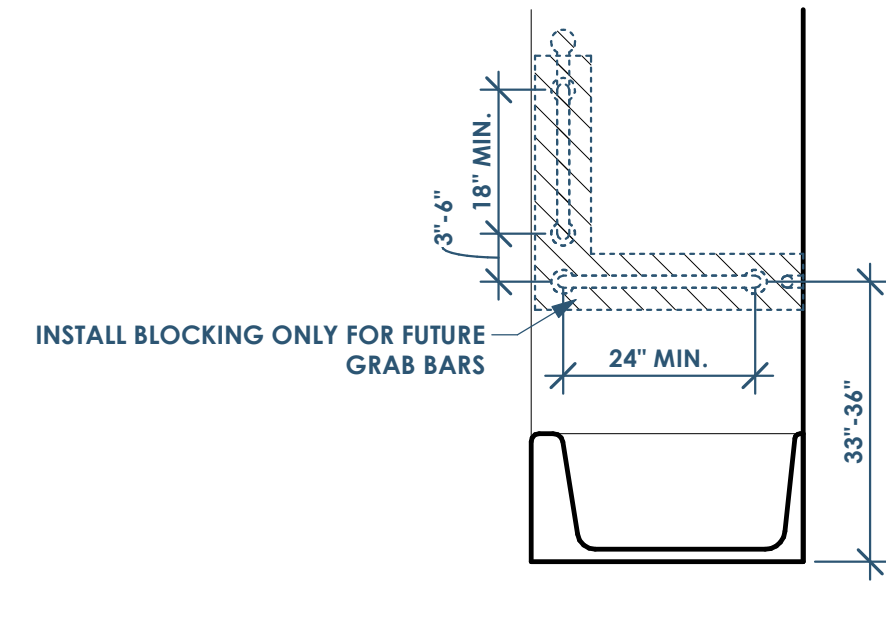
3D ADA - TYPE A - WATER CLOSET - SIDE  
1/2" = 1'-0"



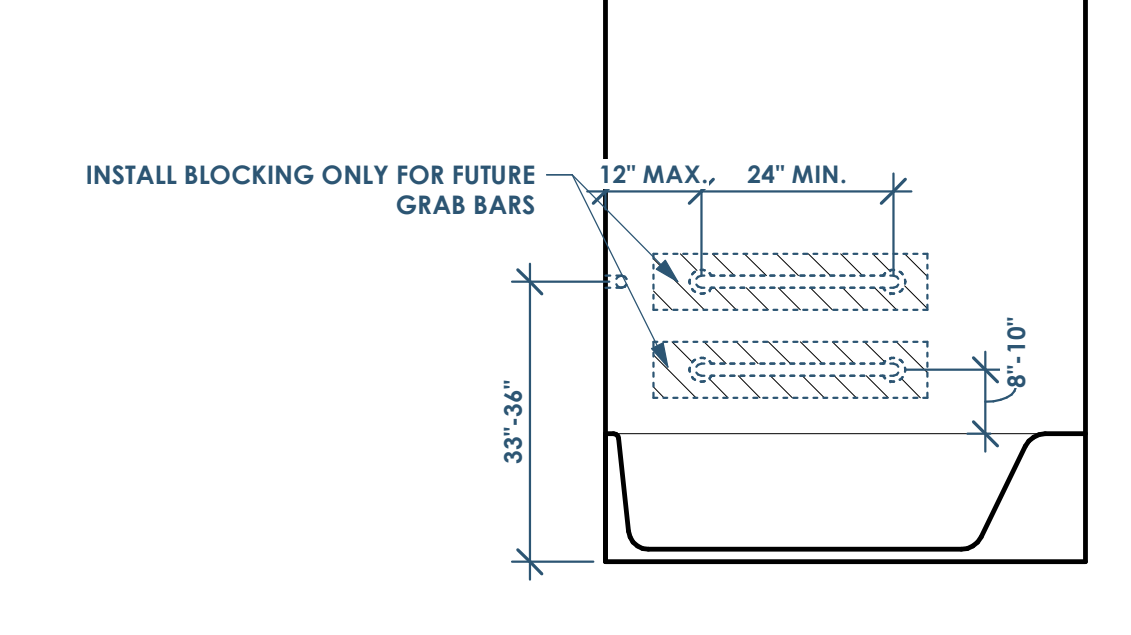
2D ADA - TYPE A - WATER CLOSET - FRONT  
1/2" = 1'-0"



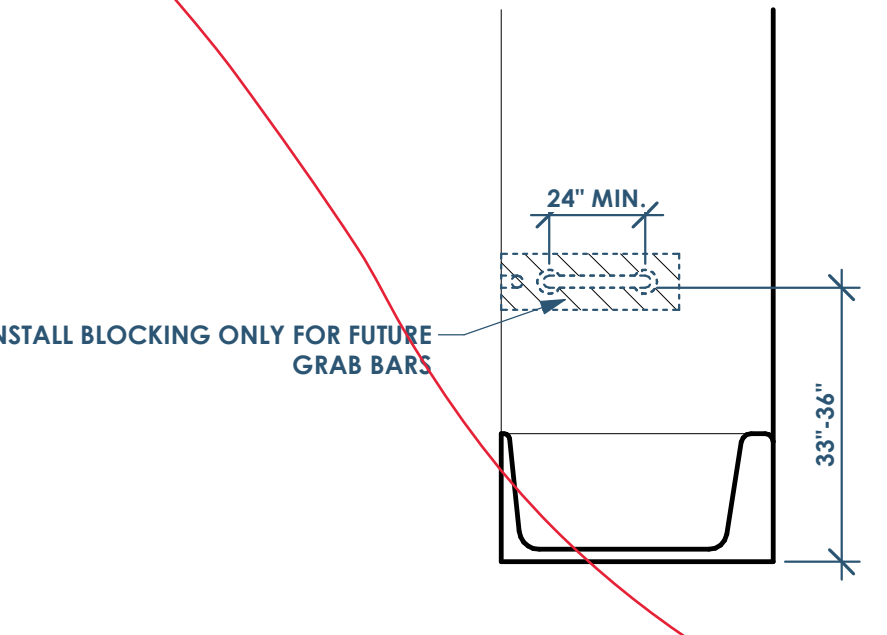
4C ADA - TYPE A - LAVATORY - PLAN  
1/2" = 1'-0"



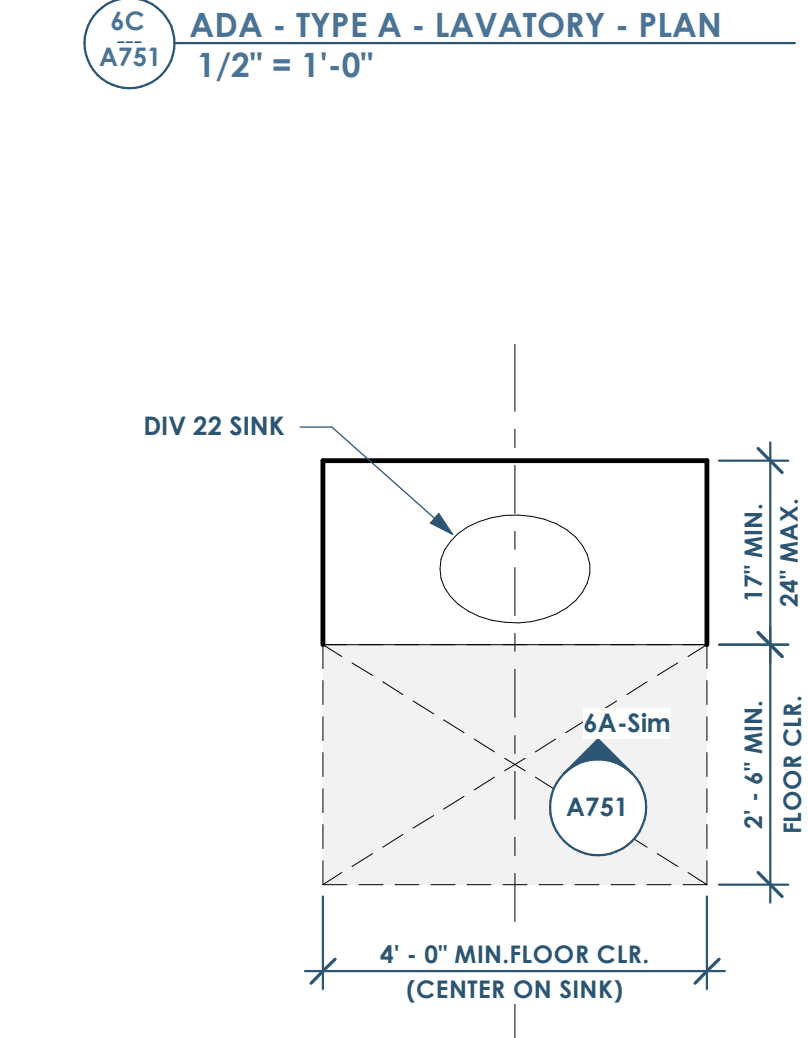
4C ADA - TYPE A & B - BATH - CONTROLS SIDE  
1/2" = 1'-0"



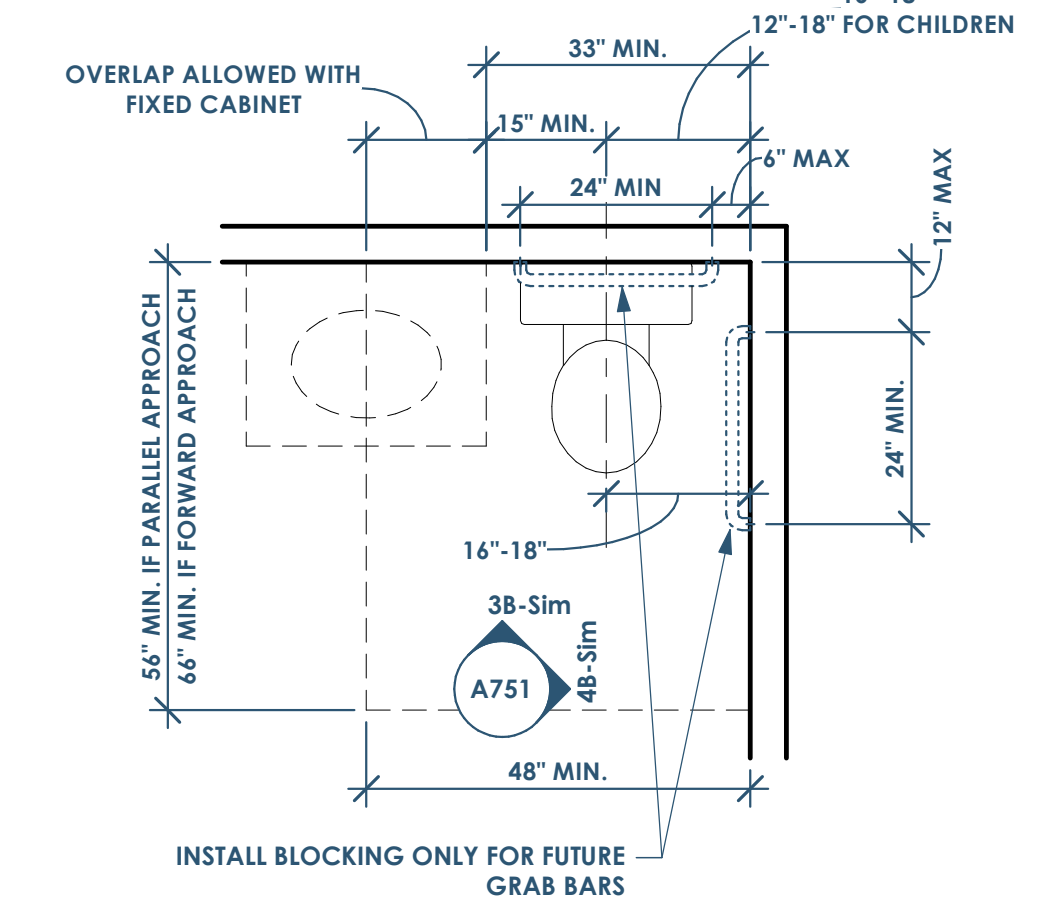
3C ADA - TYPE A & B - BATH - FRONT  
1/2" = 1'-0"



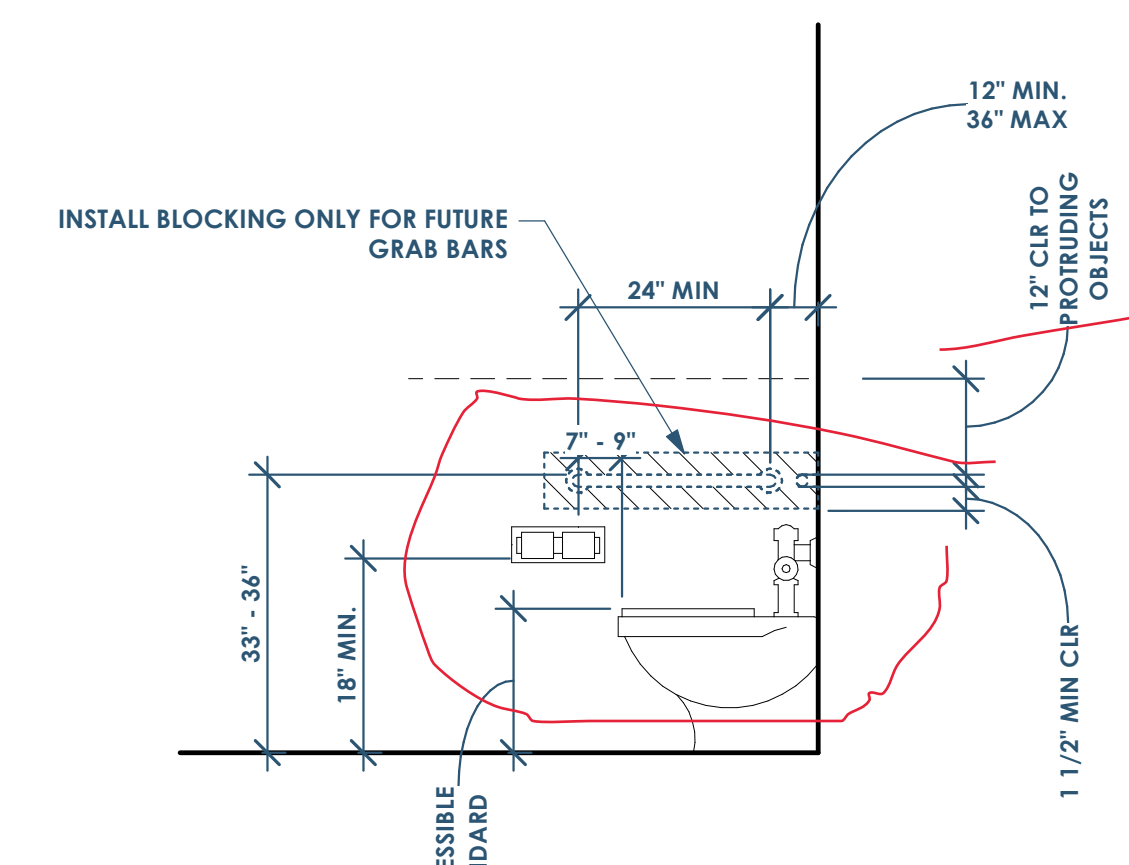
2C ADA - TYPE A & B - BATH - NON-CONTROL SIDE  
1/2" = 1'-0"



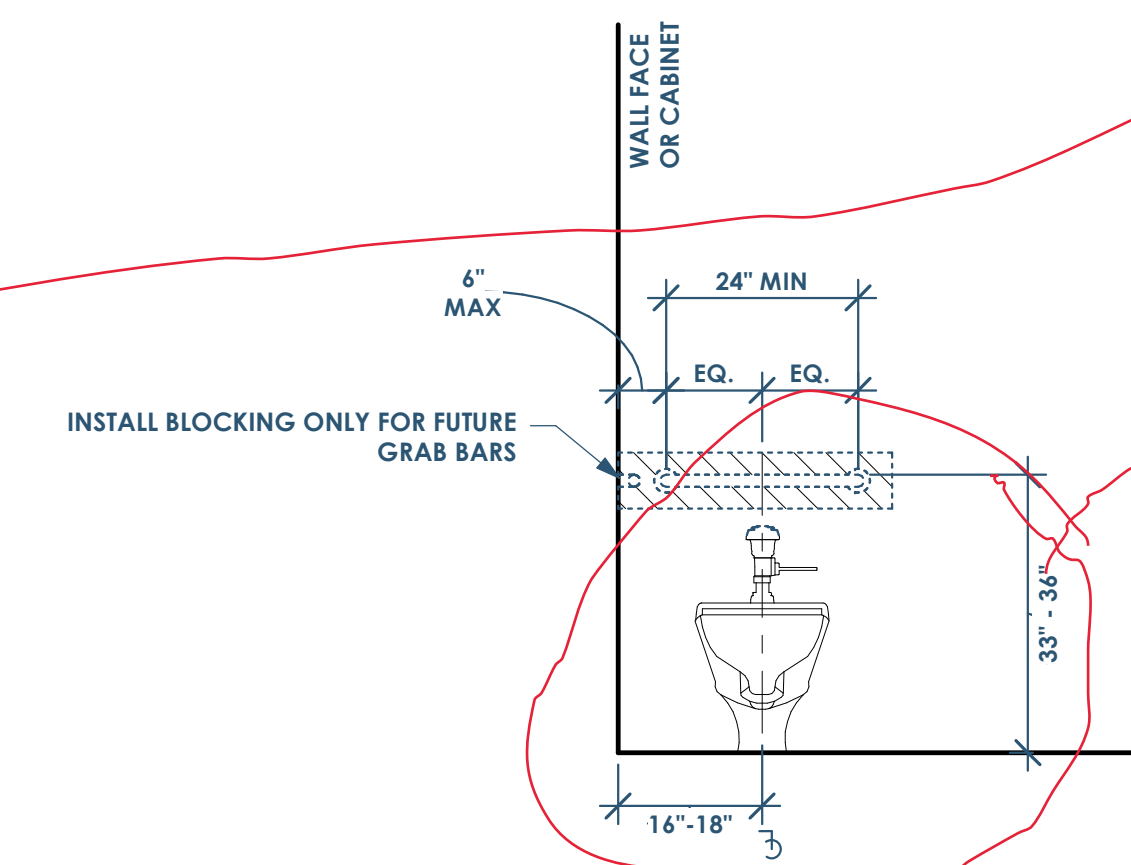
4B ADA - TYPE B - LAVATORY - PLAN  
1/2" = 1'-0"



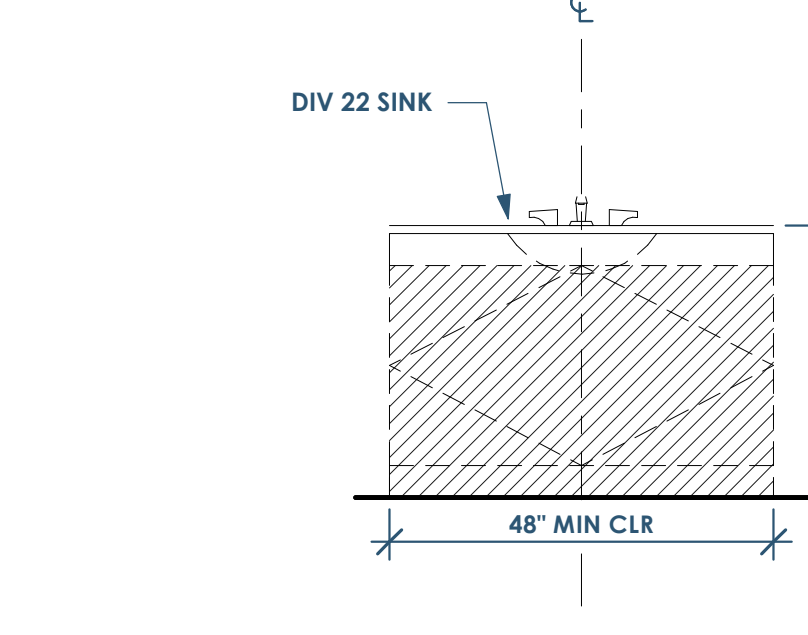
5B ADA - TYPE B - WATER CLOSET - FLOOR PLAN  
1/2" = 1'-0"



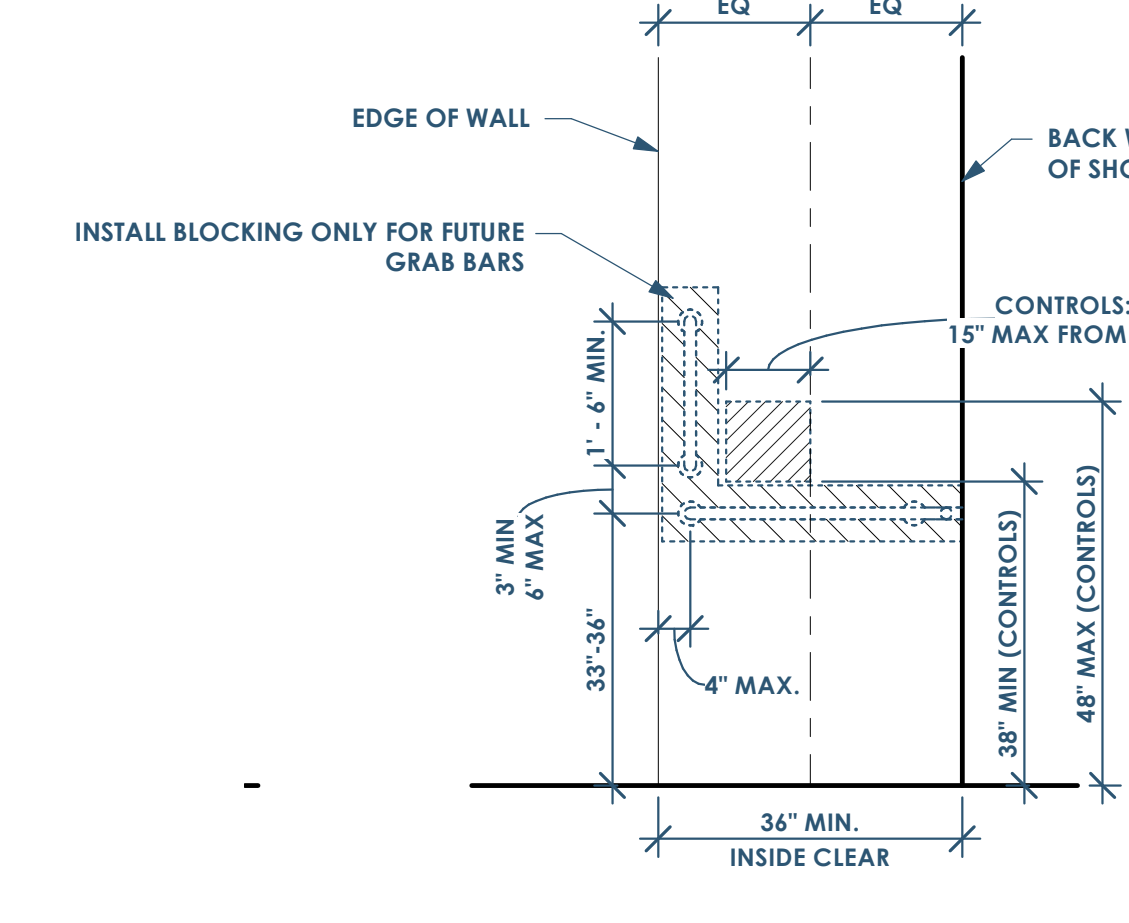
4B ADA - TYPE B - WATER CLOSET - SIDE  
1/2" = 1'-0"



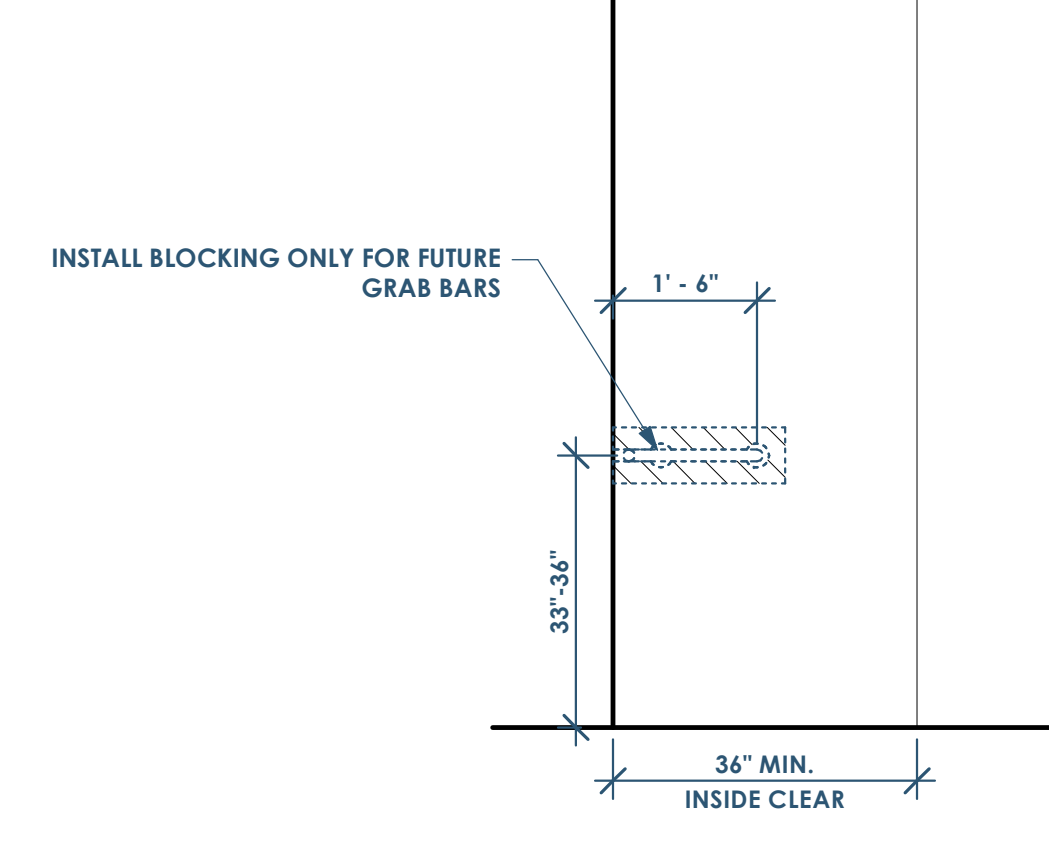
3B ADA - TYPE B - WATER CLOSET - FRONT  
1/2" = 1'-0"



6A ADA - TYPE B - LAVATORY - FRONT  
1/2" = 1'-0"



5A ADA - TYPE A & B - SHOWER - SIDE  
1/2" = 1'-0"



4A ADA - TYPE A & B - SHOWER - BACK  
1/2" = 1'-0"

GENERAL NOTES:  
• NOTE: PER IBC1210.2.2 WALLS AND PARTITIONS WITHIN 2 FEET (610MM) OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE TO A HEIGHT OF NOT LESS THAN 4 FEET (1219 MM) ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIAL USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE  
• THESE ADA CLEARANCES AND GRAB BAR BLOCKING ARE ONLY REQUIRED FOR THE 1ST FLOOR UNIT

PLANS SHOW TANK TOILET - SHOULD BE CONSISTENT

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**openingdesign**  
Architect: OpeningDesign  
17 S Fairchild | FL 7  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456

Date	Description
05.19.2022	Progress Set

**PARTITION TAG NOMENCLATURE**

- 1ST LETTER = CORE MATERIAL**
  - W= WOOD
  - M=METAL
  - C=CONCRETE
  - B=MASONRY BLOCK
- 2ND LETTER = SIZE OF CORE**
  - WOOD: NOMINAL STUD SIZE (EX: 4 = 3 1/2")
  - METAL STUD: (EX 358 = 3 5/8")
  - CONCRETE: ACTUAL WALL THICKNESS (EX: 8 = 8")
  - MASONRY: NOMINAL BRICK MODULES (EX: 8 = 7 5/8")
- 3RD LETTER = LAYER MATERIAL**

LAYER MATERIAL (3RD LETTER)							
	LAYER 3	LAYER 2	LAYER 1	CORE	LAYER 1	LAYER 2	LAYER 3
A=	-	-	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	STUDS 16" O.C. (20 GA. IF METAL)	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	-	-
B=	-	-	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	STUDS 16" O.C. (20 GA. IF METAL) BATT INSULATION	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	-	-
C=	-	-	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	STUDS 16" O.C. (20 GA. IF METAL)	(PROVIDE 1/4" AIR GAP IF AGAINST CONCRETE OR MASONRY)	-	-
D=	-	-	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	STUDS 16" O.C. (20 GA. IF METAL) BATT INSULATION	(PROVIDE 1/4" AIR GAP IF AGAINST CONCRETE OR MASONRY) - USE TREATED WOOD STUDS IF IN CONTACT WITH CONCRETE/MASONRY	-	-
G=	-	-	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	SEE WALL STUD SCHEDULE - STRUCT. DWGS	1" AIR GAP (PART OF A DOUBLE STUD WALL)	-	-
H=	-	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	SHEATHING - SEE STRUCT. DWGS	SEE WALL STUD SCHEDULE - STRUCT. DWGS	1" AIR GAP (PART OF A DOUBLE STUD WALL)	-	-
Q=	FIBER CEMENT - CLAPBOARD SIDING	DRAINAGE WRAP - ASTM 2273	SHEATHING - SEE STRUCT. DWGS	SEE WALL STUD SCHEDULE - STRUCT. DWGS	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL	-	-
R=	FIBER CEMENT - BATTEN AND BOARD SIDING	DRAINAGE WRAP - ASTM 2273	SHEATHING - SEE STRUCT. DWGS	SEE WALL STUD SCHEDULE - STRUCT. DWGS	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL & SHEATHING LAYER, IF AT PARTY WALL (SEE STRUCT DWGS)	-	-
S=	7/8" CORRUGATED METAL SIDING	DRAINAGE WRAP - ASTM 2273	SHEATHING - SEE STRUCT. DWGS	SEE WALL STUD SCHEDULE - STRUCT. DWGS	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL & SHEATHING LAYER, IF AT PARTY WALL (SEE STRUCT DWGS)	-	-
T=	FIBER CEMENT - CLAPBOARD SIDING	DRAINAGE WRAP - ASTM 2273	5/8" FIBERGLASS MAT GYPSUM SHEATHING	SEE WALL STUD SCHEDULE - STRUCT. DWGS	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL & SHEATHING LAYER, IF AT PARTY WALL (SEE STRUCT DWGS)	-	-
U=	FIBER CEMENT - BATTEN AND BOARD SIDING	DRAINAGE WRAP - ASTM 2273	5/8" FIBERGLASS MAT GYPSUM SHEATHING	SEE WALL STUD SCHEDULE - STRUCT. DWGS	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL & SHEATHING LAYER, IF AT PARTY WALL (SEE STRUCT DWGS)	-	-
V=	7/8" CORRUGATED METAL SIDING	DRAINAGE WRAP - ASTM 2273	5/8" FIBERGLASS MAT GYPSUM SHEATHING	SEE WALL STUD SCHEDULE - STRUCT. DWGS	5/8" GYP. BD OR CEMENT BACKERBOARD ON WET WALL & SHEATHING LAYER, IF AT PARTY WALL (SEE STRUCT DWGS)	-	-
W=	7/8" CORRUGATED METAL SIDING	DRAINAGE WRAP - ASTM 2273	SHEATHING - SEE STRUCT. DWGS	SEE WALL STUD SCHEDULE - STRUCT. DWGS	SHEATHING - SEE STRUCT. DWGS	DRAINAGE WRAP - ASTM 2273	7/8" CORRUGATED METAL SIDING
X=	7/8" CORRUGATED METAL SIDING	DRAINAGE WRAP - ASTM 2273	5/8" FIBERGLASS MAT GYPSUM SHEATHING	SEE WALL STUD SCHEDULE - STRUCT. DWGS	5/8" FIBERGLASS MAT GYPSUM SHEATHING	DRAINAGE WRAP - ASTM 2273	7/8" CORRUGATED METAL SIDING
Z=	-	-	16 GA PERFORATED GALV. STEEL	2.5" 12GA. STRUCTURAL METAL STUD - C/P90 GALV.	-	-	-

**4TH NUMBER: FIRE RATING**

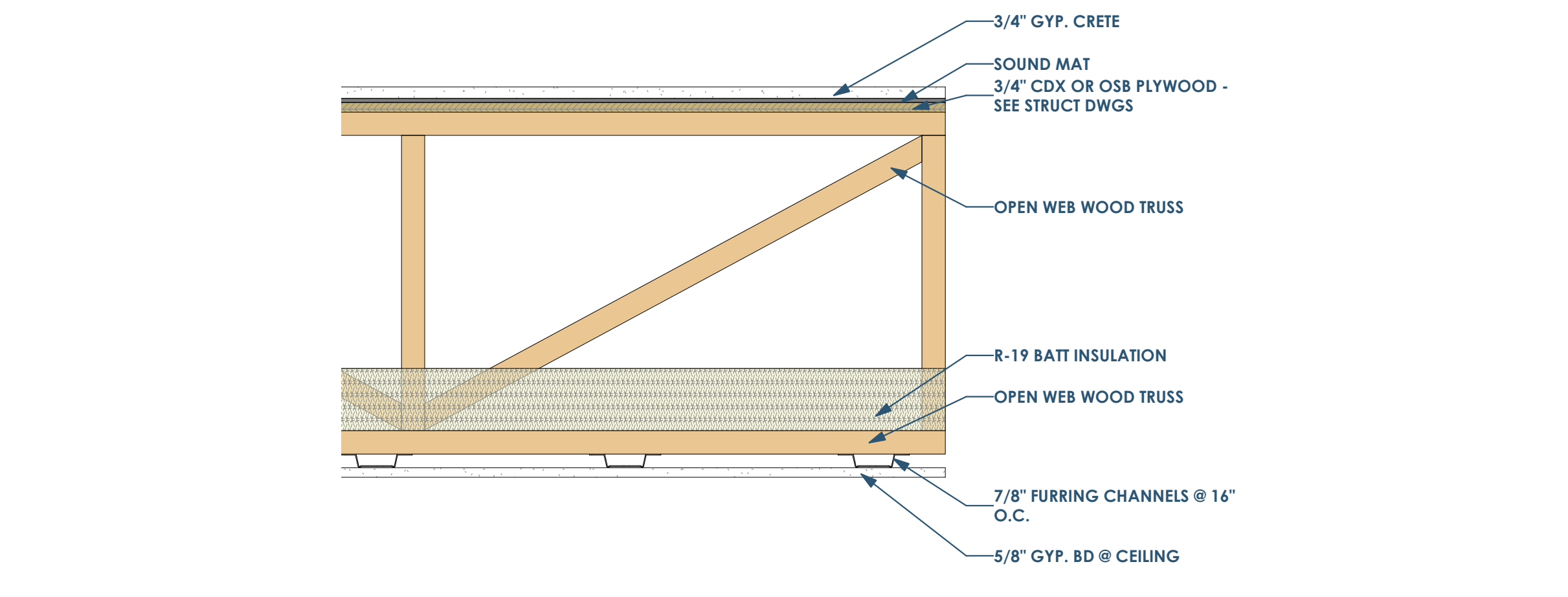
- 0=0 HOUR
- 1=1 HOUR
- 2=2 HOUR
- 3=3 HOUR
- 5=5/8 HOUR

**5TH (AND BEYOND) LETTERS = MODIFIERS**

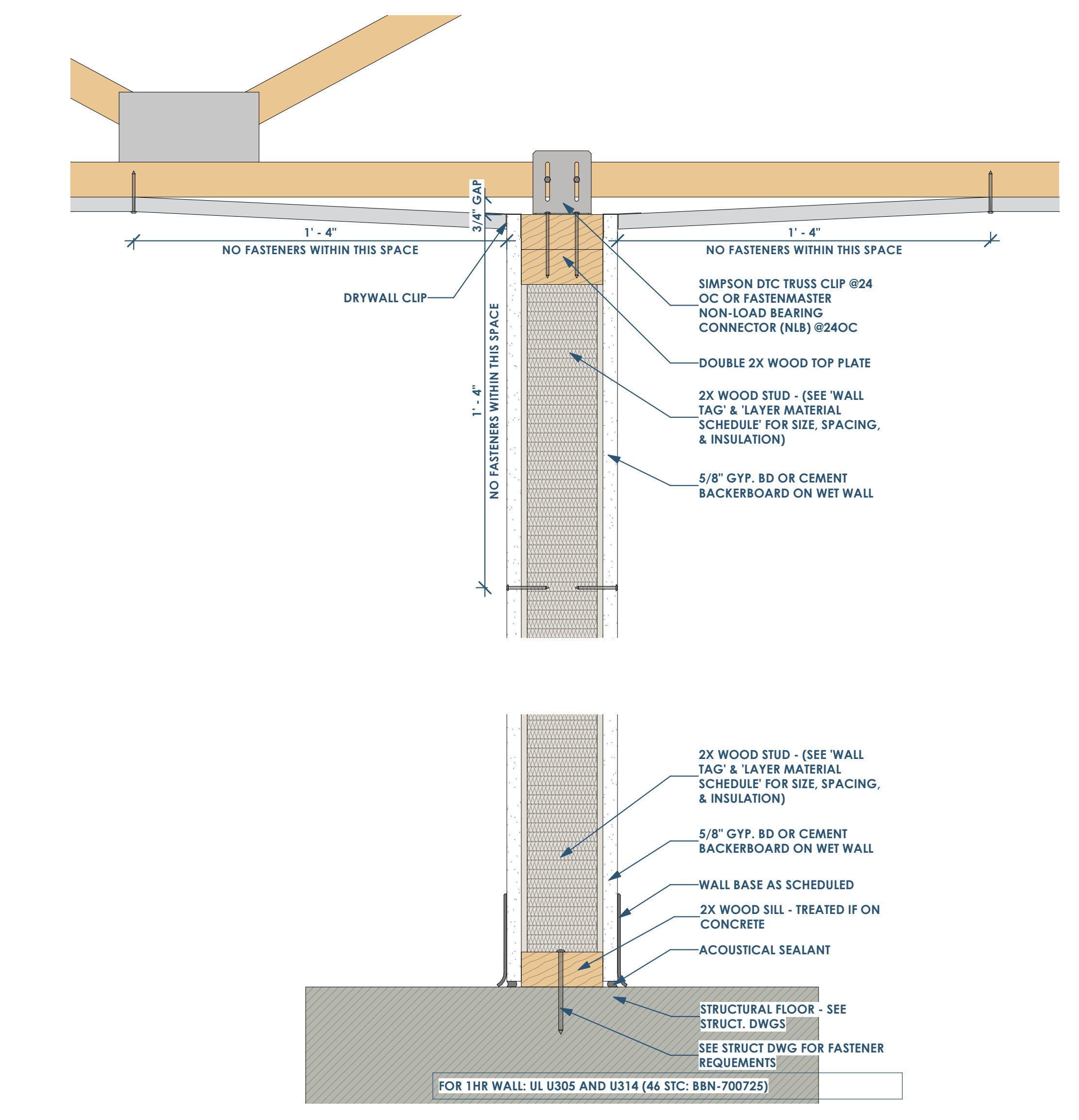
- A=PARTIAL HEIGHT PARTITION (WALL LAYER 1, 2, & 3 TO EXTEND 4" ABOVE FINISHED CEILING HEIGHT)
- B=PARTIAL HEIGHT WALL (WALL LAYER 1, 2, & 3 TO TERMINATE AT OR BELOW HUNG CEILING)
- D=FULL HEIGHT TO UNDERSIDE OF STRUCTURAL DECK/SHEATHING (CORE AND WALL LAYER 1, 2, & 3 TO TERMINATE AT STRUCTURAL DECK)
- F=FULL HEIGHT TO THE BOTTOM OF STRUCTURE
- K=KNEE WALL PARTITION
- R=FURRED OUT WALL

**EXAMPLE: M358B0AR**

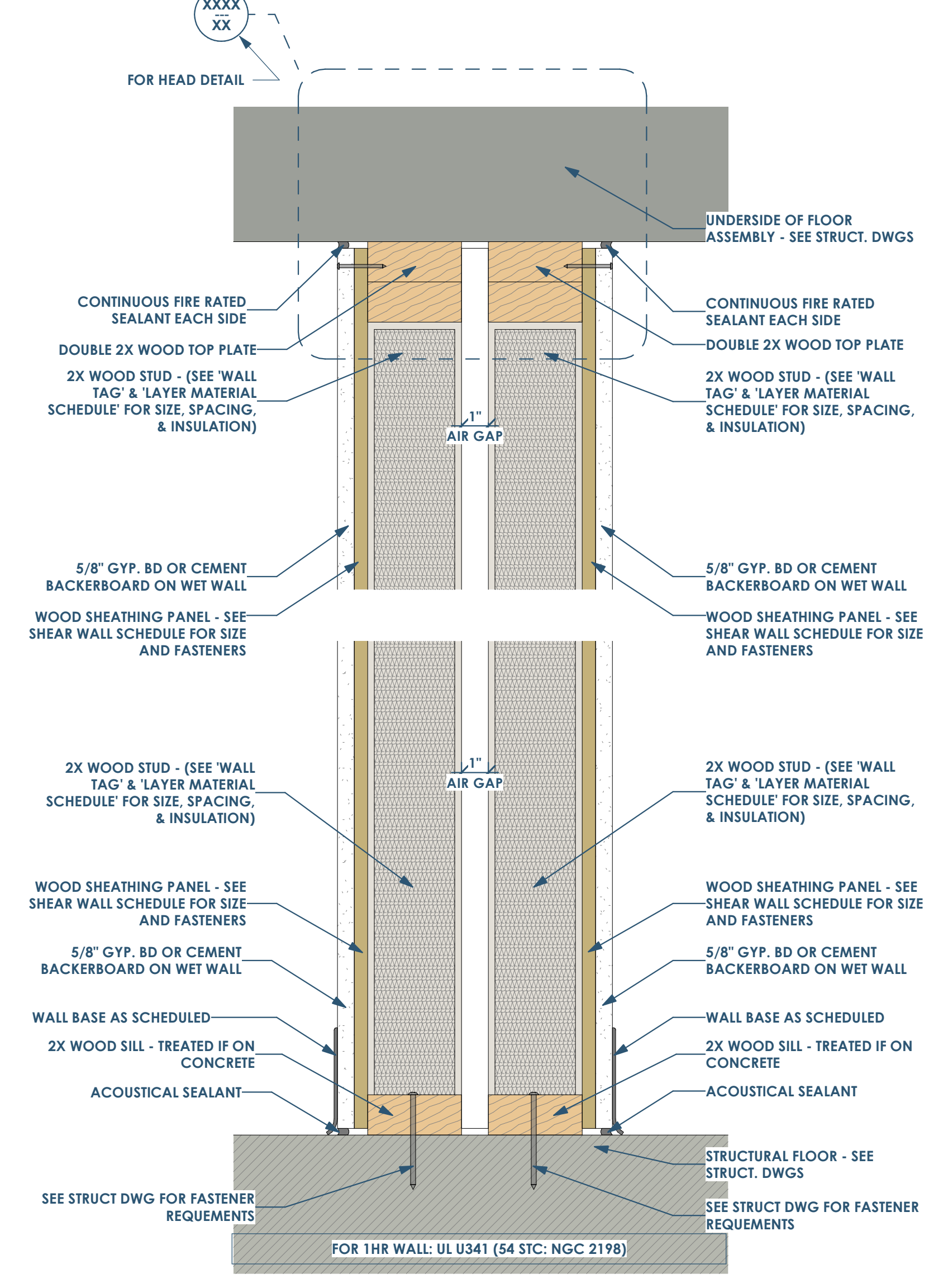
- M=METAL
- 358=3 5/8" METAL STUD
- B=20 GA METAL STUDS 16" O.C. W/ BATT INSULATION
- 0=0 HOUR
- A=PARTIAL HEIGHT PARTITION (WALL LAYER 1, 2, & 3 TO EXTEND 4" ABOVE FINISHED CEILING HEIGHT)
- R=FURRED OUT WALL



1 A800 FLOOR/CEILING ASSEMBLY - L521  
1 1/2" = 1'-0"



4A A800 W/C/J OF FULL HEIGHT PARTITION  
3\"/>



2 A800 W4(5D) PARTY WALL - 1 HR RATED WALL (ONLY 1/2 HR IS REQUIRED)  
3\"/>

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Date	Description
05.19.2022	Progress Set





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STRUCTURAL STATEMENT OF SPECIAL INSPECTIONS & TESTING

- 1. SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER FOR THE ITEMS IDENTIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS.
2. THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL.
3. DATES OF THE SPECIAL INSPECTION...

WIND-RESISTING COMPONENTS (7705.1.3)

- PERIODIC SPECIAL INSPECTION IS REQUIRED FOR FASTENING OF THE FOLLOWING SYSTEMS AND COMPONENTS:
1. ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTIONS
2. EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REQUIRED. Rows include foundation drainage, grading, and plumbing tests.

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REQUIRED. Rows include soil inspection, excavation, and compacted fill.

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REQUIRED. Rows include wood construction, metal plate-connected wood trusses, and wood framing.

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REQUIRED. Rows include structural steel - general, anchor rods, and welds.

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REQUIRED. Rows include inspection tasks prior to welding, during welding, and non-destructive testing of welded joints.

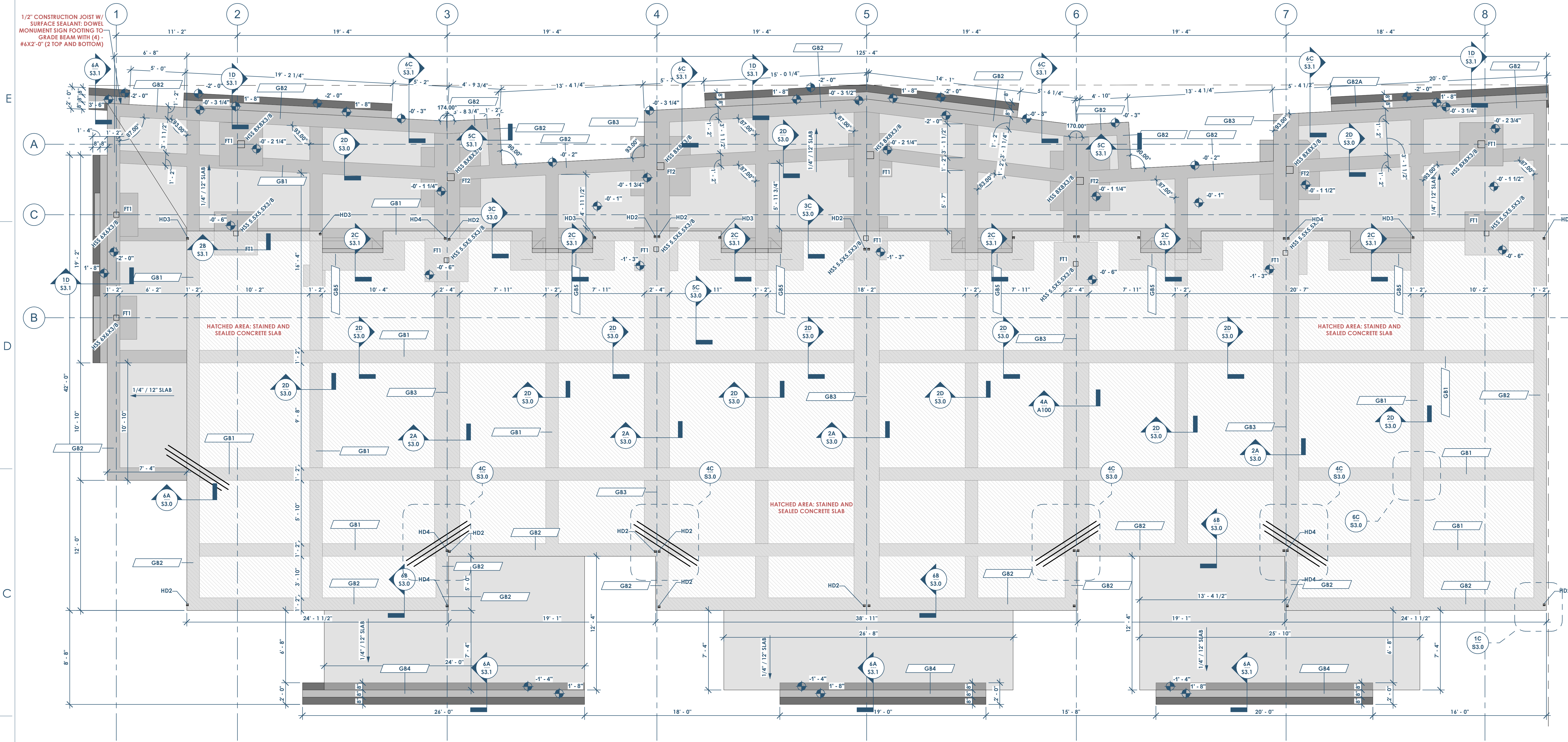
Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REQUIRED. Rows include structural steel high-strength bolts (turn-of-nut) and bolting.

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REQUIRED. Rows include structural steel high-strength bolts ( snug-tight) - inspection tasks prior to bolting.

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REQUIRED. Rows include structural steel high-strength bolts ( snug-tight) - inspection tasks during bolting.

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Table with 2 columns: Date, Description. A grid for tracking inspection dates and descriptions.



1/2" CONSTRUCTION JOIST W/ SURFACE SEALANT, DOWEL MONUMENT SIGN FOOTING TO GRADE BEAM WITH (4) #6X2'-0" (2 TOP AND BOTTOM)

HATCHED AREA: STAINED AND SEALED CONCRETE SLAB

HATCHED AREA: STAINED AND SEALED CONCRETE SLAB

48 S3.1 STRUCTURAL - FOUNDATION  
1/4" = 1'-0"

SHEARWALL HOLDDOWN AT FOUNDATION						
TYPE MARK	TYPE	HARDWARE	END POST	ATTACHMENT TO END POST	ANCHORAGE TO FOUNDATION	CAPACITY
HD2	POST-INSTALLED HOLDDOWN	SIMPSON HTS	(2)-2X	(24) 0.148 X 3 NAILS	5/8" DIA. GR.36 ALL-THREAD WITH 8" EMBEDMENT WITH NUT AND WASHER	SEE SHEET S4.3 FOR DETAILS 4670
HD2	POST-INSTALLED HOLDDOWN	SIMPSON STD14	(2)-2X	(30) 0.148 X 3 NAILS	ANCHOR CAST INTO FOUNDATION	SEE SHEET S4.3 FOR DETAILS 4210
HD3	POST-INSTALLED HOLDDOWN	SIMPSON HDU8-SDS2.5	(3)-2X	(20) 1/4" X 2 1/2" SDS SCREWS	7/8" DIA. GR.36 ALL-THREAD WITH 17 1/2" EMBEDMENT WITH NUT AND WASHER	SEE SHEET S4.3 FOR DETAILS 6200
HD4	POST-INSTALLED HOLDDOWN	SIMPSON HDU14-SDS2.5	6X6	(36) 1/4" X 2 1/2" SDS SCREWS	1" DIA. GR.36 ANCHOR ROD WITH 18" EMBEDMENT	SEE SHEET S4.3 FOR DETAILS 10000

STRUCTURAL CONNECTION NOTES:

- MINIMUM EDGE DISTANCE TO CENTERLINE OF BOLT IS 3". AT CORNERS, THE OPPOSING EDGE DISTANCE MUST BE ≥ 6".
- MINIMUM #4X3" LONG REINFORCING BAR LOCATED 3"-5" BELOW THE TOP OF THE SLAB IS REQUIRED TO BE CENTERED ON THE HOLDDOWN. AT CORNER, BEND THE BAR 90° AT THE CENTER
- REFERENCE MECHANICALLY LAMINATED BUILT-UP COLUMN FOR NAILING REQUIREMENTS FOR END POST.
- SIMPSON ATR(REQUIRED Ø) WITH SIMPSON SET-3G IS AN ACCEPTABLE OPTION.

FOOTING SCHEDULE								
TYPE MARK	NAME	COUNT	DIMENSIONS			BOTTOM REINFORCING		TYPE COMMENTS
			WIDTH	LENGTH	DEPTH	LONG	SHORT	
FT1	CONCRETE STEEL COLUMN FOOTING - 4' X 4' X 2'-6"	12	4'-0"	4'-0"	2'-6"	SEE DETAIL 2B/S3.1	SEE DETAIL 2B/S3.1	
FT2	CONCRETE STEEL COLUMN FOOTING 5.5' X 5.5' X 2.5'	4	5'-6"	5'-6"	2'-6"	SEE DETAIL 2B/S3.1	SEE DETAIL 2B/S3.1	

PTI PARAMETERS	
E <sub>m</sub> - CENTER	4.8"
E <sub>m</sub> - EDGE	2.0"
Y <sub>m</sub> - CENTER	1.0"
Y <sub>m</sub> - EDGE	1.25"
EFFECTIVE PLASTICITY INDEX	35
ALLOW. BEARING (PSF)	1,800 PSF
MIN. BEAM EMBEDMENT BELOW FINAL GRADE	18"
MIN PERIMETER BEAM EMBEDMENT BELOW FINAL GRADE	52"

SLAB GEOMETRY	
AREA (SF)	5711 SF
PERIMETER (FT)	396 FT
SHAPE FACTOR (PERIMETER <sup>2</sup> /AREA)	27.5

FOUNDATION SCHEDULE									
BEAM ID	DESCRIPTION	WIDTH	DEPTH	TOP BARS	BOTTOM BARS	STIRRUPS	Type	Comments	OD Structural
GB1	GRADE BEAM - INTERIOR - 14"	14"	30"	(3) - #6	(3) - #6	#3 @24" OC	F		F
GB2	GRADE BEAM - PERIMETER - 14"	14"	30"	(3) - #6	(3) - #6	#3 @24" OC	F		F
GB2A	GRADE BEAM - PERIMETER - 14" - W/ 8" CONCRETE WALL	8"		(3) - #6	(3) - #6	#3 @24" OC	F	SEE 1D/S3.1 FOR MORE DETAIL	F
GB3	GRADE BEAM - INTERIOR - 28"	28"	30"	DOUBLE GB1	DOUBLE GB1	DOUBLE GB1	F	(2) GB1 STIRRUP CAGES SIDE/SIDE - SEE DETAIL 2A/S3.0	F
GB4	8" CONCRETE FOUNDATION	8"	36"				F		F
GB5	TURNDOWN THICKENED SLAB	12"	12"	N/R	(2) - #4	N/R	F	SEE 6A/S3.1	F

FOUNDATION NOTES	
FOUNDATION TYPE:	BRAB TYPE III - STIFFENED NON-STRUCTURAL SLAB-ON-GROUND
SLAB THICKNESS:	5"
SLAB REINFORCEMENT:	#4 @ 14" OC EACH WAY - REF DETAIL
DESIGN METHOD:	ACI 318
VAPOR RETARDER:	MINIMUM 10 MIL (LENGTH THICKER REQ'D BY ARCHITECT)

- NOTES:
- BEAMS ARE TYPE B1 UNO.
  - LOCATE THE FIRST STIRRUP A MAXIMUM OF 3" FROM FACE OF SUPPORT.
  - BEAM DEPTH INDICATED IN THE SCHEDULE IS A STRUCTURAL MINIMUM THAT THE BEAM REINFORCEMENT CAGE MAY BE BASED UPON. REFERENCE GEOTECHNICAL REPORT FOR MINIMUM GRADE BEAM EMBEDMENT BELOW ADJACENT FINAL GRADE OR FLATWORK/PAVEMENT.
  - N/R = NOT REQUIRED

- PLAN NOTES
- VERIFY ALL EDGE OF FOUNDATION DIMENSIONS WITH FINAL ARCHITECTURE FLOOR PLANS.
  - FORM DIMENSIONS: SLAB DROPS, SLOPES, ETC. SHOWN AS AN AID TO CONTRACTOR ONLY. VERIFY EXACT DIMENSIONS AND LOCATIONS WITH ARCHITECT.
  - DIMENSIONS ARE TO OF GRADE BEAMS OR EDGE OF SLAB UNLESS NOTED OTHERWISE.
  - CONTROL JOINTS (SAW-CUTS) ARE RECOMMENDED TO REDUCE CRACKS IN THE SLAB, BUT ARE NOT REQUIRED FOR STRUCTURAL REQUIREMENTS. FOR THE RECOMMENDED MAXIMUM JOINT SPACING REFERENCE DETAIL.
  - FOR FLATWORK OR PAVEMENT ABUTTING THE BUILDING FOUNDATION REFERENCE DETAIL.
  - CONCRETE IS ASSUMED TO RECEIVE A STEEL TROWEL FINISH UNLESS NOTED OTHERWISE. NOTIFY ENGINEER IF ARCHITECTURALLY EXPOSED CONCRETE (STAINED, POLISHED, ETC.) IS PLANNED FOR ADDITIONAL SHRINKAGE CRACKING MITIGATION METHODS.

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Architects

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Date	Description
05.19.2022	Progress Set

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DUDDLEY

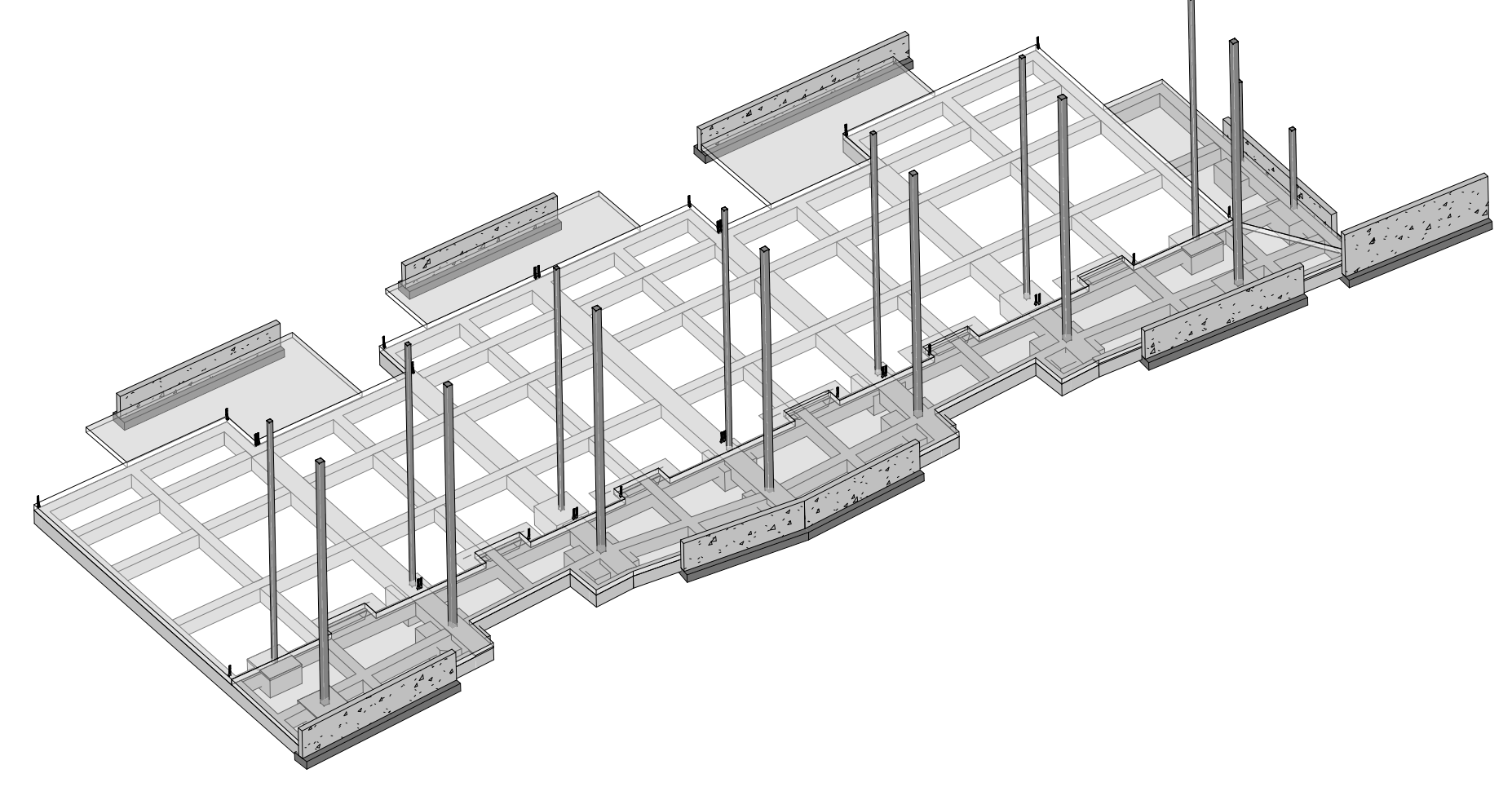
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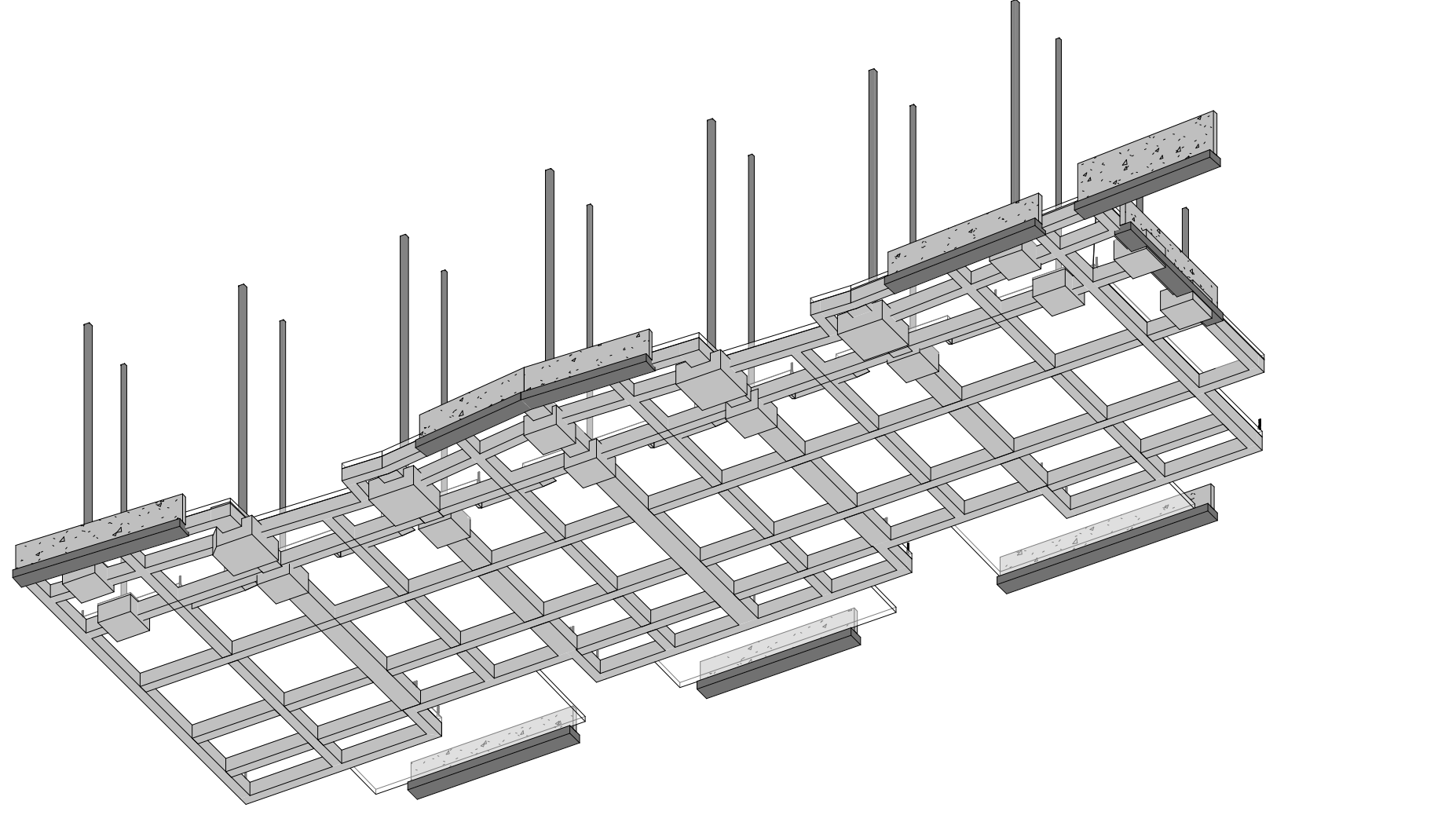
6 5 4 3 2 1

SUBGRADE AND BUILDING PAD NOTES (PER GEOTECHNICAL REPORT):

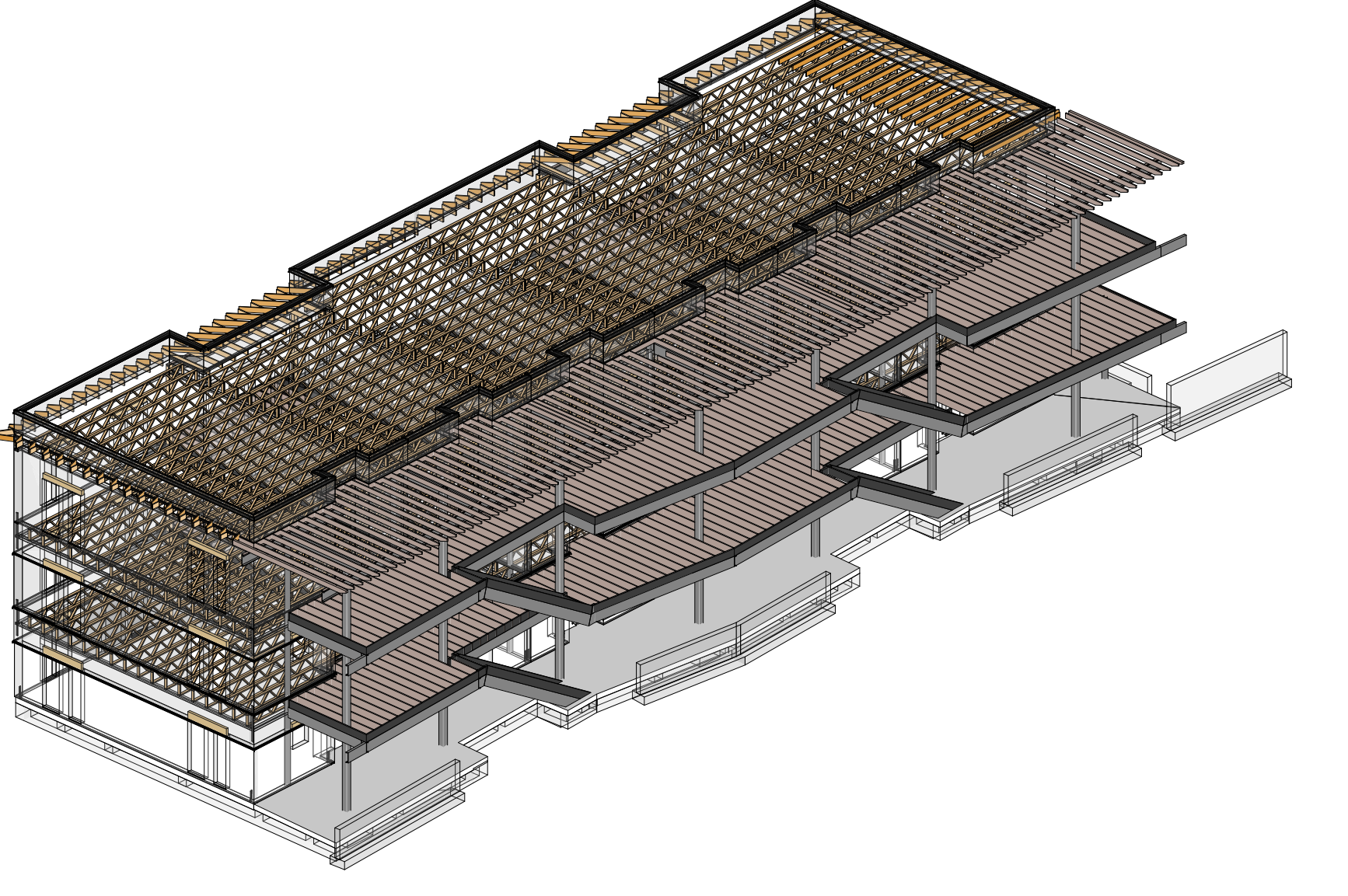
1. SUBGRADE IMPROVEMENT:
  - A. PROVIDE MINIMUM 2 FEET SELECT FILL TO TOP OF BUILDING PAD ELEVATION. THE SELECT FILL PAD MUST BE OF UNIFORM THICKNESS UNDO BY GEOTECHNICAL ENGINEER.
2. SITE PREPARATION:
  - A. SOFT SOILS SHOULD BE REMOVED UNTIL FIRM SOIL IS REACHED. THE SOFT SOILS CAN BE AERATED AND PLACED BACK IN SIX-INCH LOOSE LIFTS AND COMPACTED TO 95% AS SPECIFIED BY ASTM D-698. TREE STUMPS, TREE ROOTS, OLD SLABS, OLD FOUNDATIONS AND EXISTING PAVEMENTS SHOULD BE REMOVED FROM THE STRUCTURE AREA. IF THE TREE STUMPS AND ROOTS ARE LEFT IN PLACE, SETTLEMENT AND TERMITE INFESTATION MAY OCCUR. ONCE A ROOT SYSTEM IS REMOVED, A VOID IS CREATED IN THE SUBSOIL. IT IS RECOMMENDED TO FILL THESE VOIDS WITH STRUCTURAL FILL OR CEMENT-STABILIZED SAND AND COMPACT TO 95% AS SPECIFIED BY ASTM D-698.
  - B. ANY LOW-LYING AREAS INCLUDING RAVINES, DITCHES, SWAMPS, ETC., SHOULD BE FILLED WITH STRUCTURAL FILL AND PLACED IN EIGHT-INCH LIFTS. EACH LIFT SHOULD BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS SPECIFIED BY ASTM D-698.
  - C. THE EXPOSED SUBGRADE SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF SIX (6) INCHES FOUNDATION AREAS OR PER SUBGRADE IMPROVEMENT REQUIREMENTS. THE SUBGRADE SHOULD THEN BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD MOISTURE DENSITY RELATIONSHIP (ASTM D-698). IN THE EVENT THAT THE UPPER SIX (6) INCHES CANNOT BE COMPACTED DUE TO EXCESSIVE MOISTURE, WE RECOMMEND THAT THESE SOILS BE EXCAVATED AND REMOVED OR CHEMICALLY STABILIZED TO PROVIDE A FIRM BASE FOR FILL PLACEMENT. PROOF-ROLLING SHOULD BE PERFORMED USING A HEAVY TIRRED LOADED TRUCK OR PNEUMATIC RUBBER TIRRED WEIGHING 20 TONS.
  - D. THE SELECT FILL SOILS SHALL BE LIMITED TO THE FOOTPRINT OF THE FOUNDATION. IF OVERBUILD IS REQUIRED, INSTALL HORIZONTAL CLAY CAP TO COVER THE FILL OVERBUILD, BEYOND THE PERIMETER OF THE STRUCTURE.
  - E. THE FLOOR SLAB SHOULD BE PLACED AS SOON AS POSSIBLE AFTER THE BUILDING PAD IS PREPARED. IF THE BUILDING PAD IS LEFT EXPOSED TO RAINFALL, PERCHED GROUNDWATER CONDITIONS MAY DEVELOP WHICH WILL UNDERMINE THE INTEGRITY OF THE FLOOR SLAB. ALL TRENCHES (WATER, CABLE, ELECTRICAL) SHOULD BE PROPERLY BACKFILLED AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY. SAND OR PERMEABLE MATERIALS SHOULD NOT BE USED AS BACKFILL. IMPROPERLY BACKFILLED AND IMPROPERLY COMPACTED TRENCH, IF LEFT EXPOSED WILL ALSO BE ANOTHER SOURCE FOR PERCHED GROUNDWATER CONDITIONS. IN GENERAL, PERCHED WATER TENDS TO BE TRAPPED WITHIN THE FILL. THE TRAPPED GROUNDWATER TENDS TO SOFTEN THE SUBGRADE. POSITIVE DRAINAGE SHOULD BE MAINTAINED ACROSS THE ENTIRE BUILDING PAD.
  - F. A QUALIFIED SOIL TECHNICIAN SHOULD MONITOR ALL EARTHWORK OPERATIONS. FIELD DENSITY TESTS SHOULD BE CONDUCTED ON EACH LIFT USING A NUCLEAR DENSITY GAUGE. THE GAUGE SHOULD BE CALIBRATED EVERY DAY. PRIOR TO FIELD DENSITY TESTS, A 50 POUND SAMPLE FROM THE SUBGRADE SOILS SHOULD BE OBTAINED. A SIMILAR SAMPLE SHOULD BE OBTAINED FROM THE FILL SOILS. A STANDARD MOISTURE DENSITY RELATIONSHIP (ASTM D-698) SHOULD BE PERFORMED ON EACH SAMPLE IN ORDER TO OBTAIN AN OPTIMUM MOISTURE CONTENT AND A MAXIMUM DRY DENSITY. THE FIELD DENSITY TESTS SHOULD BE COMPARED TO THESE RESULTS EVERY TIME THE SOILS ARE TESTED IN THE FIELD.
3. LOW SWELL POTENTIAL STRUCTURAL FILL (SELECT FILL)
  - A. LOW SWELL POTENTIAL SELECT FILL SHOULD CONSIST OF COHESIVE SOILS FREE OF ORGANICS OR OTHER DELETERIOUS MATERIALS AND SHOULD HAVE A PLASTICITY INDEX NOT LESS THAN 7 OR MORE THAN 20. SANDY CLAYEYS ARE RECOMMENDED FOR USE. THE LOW SWELL POTENTIAL SELECT FILL SHOULD BE CLEANED AND FREE OF ORGANIC MATTER OR OTHER DELETERIOUS MATERIAL. THE FILL SHOULD BE PLACED IN MAXIMUM SIX- INCH LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 (STANDARD PROCTOR). THE MOISTURE CONTENT AT THE TIME OF COMPACTION SHOULD BE -2%, +3% OF THE OPTIMUM VALUE AS DEFINED BY ASTM D 698. THE REFERENCED MOISTURE CONTENT AND DENSITY SHOULD BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
4. HORIZONTAL MOISTURE BARRIER
  - A. WHERE THE PERIMETER OF THE FOUNDATION DOES NOT HAVE LOW PERMEABILITY FLATWORK (SIDEWALK, PAVEMENT, PATIO, ETC.) ADJUTING THE FOUNDATION, A HORIZONTAL MOISTURE BARRIER VIA CLAY CAP AND VAPOR RETARDER MUST BE PROVIDED.
    - a. CLAY CAP: A MINIMUM 5" WIDE LOW PERMEABILITY CLAY "CAP" SHALL BE PLACED ALONG THE EXTERIOR OF THE FOUNDATION TO HELP MINIMIZE MOISTURE INFILTRATION INTO THE SELECT FILL SOIL PADS. THE LOW PERMEABILITY, 1-FOOT THICK CLAY "CAP" SHALL HAVE A MINIMUM PLASTICITY INDEX (PI) OF 30.
    - b. VAPOR RETARDER: BELOW THE CLAY CAP, A MIN 10 MIL VAPOR RETARDER MUST BE PROVIDED ON A MINIMUM 5% SLOPE. RETARDER MUST BE SECURED TO THE FOUNDATION.
5. DRAINAGE
  - A. ROOF DRAINAGE SHOULD BE COLLECTED BY A SYSTEM OF GUTTERS AND DOWN SPOUTS AND TRANSMITTED A MINIMUM DISTANCE OF 5' AWAY FROM THE FOUNDATION TO AN AREA WITH POSITIVE DRAINAGE AWAY FROM THE FOUNDATION. PREFERABLY TO A PAVED SURFACE WHERE WATER CAN DRAIN RAPIDLY AWAY FROM THE STRUCTURE, SIDEWALKS, PARKING AREAS, BUILDING ACCESS DRIVES, AND THE GENERAL GROUND SURFACE SHOULD BE SLOPED SO THAT WATER WILL DRAIN AWAY FROM THE STRUCTURE. WATER SHOULD NOT BE ALLOWED TO POND NEAR THE BUILDING FOUNDATIONS.
  - B. FINAL GRADES SHALL SLOPE A MINIMUM OF 5% FOR THE FIRST 10 FEET AWAY FROM THE FOUNDATION IN ALL DIRECTIONS. THIS SLOPE SHALL OCCUR IN THE SELECT FILL OR IN-SITU SOIL. MERELY SLOPING TOPSOIL IS NOT SUFFICIENT.
6. LANDSCAPING
  - A. AVOID THE USE OF METAL EDGING OR OTHER DAMMING DEVICES WITHIN FIVE FEET OF THE FOUNDATION. THE ROOTS OF TREES AND LARGE PLANTS REMOVE LARGE QUANTITIES OF WATER FROM THE SOIL. IF THESE TREES AND SHRUBS ARE NEAR THE FOUNDATION AND IF SUFFICIENT WATER IS NOT SUPPLIED, THE SOILS MAY SHRINK OR EXPANSE, CAUSING SUBSIDENCE IN THE FOUNDATION. DURING DRY PERIODS, ENOUGH WATER SHOULD BE SUPPLIED TO TREES TO MINIMIZE SHRINKING OF EXPANSIVE SOILS AROUND THEM. MOST OF THE IRRIGATION WATER SHOULD BE APPLIED WELL AWAY FROM THE FOUNDATION TO ATTRACT THE TREE ROOTS IN THAT DIRECTION. WHEN TREES MATURE TO THE POINT OF SHADING THE ENTIRE LOT, REGULAR PRUNING WILL BE NEEDED TO REDUCE THEIR WATER UPTAKE. LANDSCAPING PLANTS, SHRUBS, FLOWERS, ETC.] SHOULD NOT TRAP WATER AGAINST THE FOUNDATION. PROVIDE A SLOPE IN SOILS BELOW LANDSCAPE BEDDING AND IN THE BEDDING AWAY FROM THE FOUNDATION. ALTERNATIVELY, PROVIDE SWALES AROUND AND THROUGH THE LANDSCAPING TO DRAIN WATER AWAY. PROVIDE UNIFORM GROUND COVER AROUND THE FOUNDATION. THIS WILL HELP KEEP THE MOISTURE EVAPORATION RATE UNIFORM. IN AREAS THAT ARE NOT PLANTED, USE MULCH. EXTEND THE GROUND COVER AT LEAST FIVE FEET FROM THE FOUNDATION.
  - B. ANY/ ALL TREES SHALL BE PLANTED AT A MINIMUM DISTANCE EQUIVALENT TO THE HEIGHT OF THE TREE OR THE DRIP LINE PLUS 10 FEET WHICHEVER IS GREATER.
7. SOIL MOISTURE
  - A. EXPANSIVE SOILS HEAVE AND SUBSIDE DUE TO CHANGES IN MOISTURE CONTENT. CHANGES IN MOISTURE CONTENT CAN CAUSE VERY LARGE CHANGES IN SOIL VOLUME WHEN GOING FROM A DRY TO A SATURATED CONDITION, AND VICE VERSA. THIS MOVEMENT DOES NOT MEAN THE FOUNDATION IS IMPROPERLY DESIGNED OR THAT IT HAS FAILED. THE FOUNDATION DESIGN ENGINEER CANNOT CONTROL THE MOISTURE CONTENT OF THE SOIL, BUT OFTEN THE OWNER/TENANT CAN. UNIFORMITY IS THE KEY: UNIFORM MOISTURE CONTENT IN THE SOIL, UNIFORMLY MAINTAINED IN ALL AREAS AROUND THE FOUNDATION. IF CHANGES IN MOISTURE CONTENT ARE UNIFORM, THEN MOVEMENT OF THE FOUNDATION WILL BE UNIFORM AND LESS DISTRESS WILL BE CREATED IN THE STRUCTURE. IF CHANGES IN MOISTURE CONTENT ARE NON-UNIFORM, THEN THERE MAY BE DIFFERENTIAL MOVEMENT IN THE FOUNDATION. DIFFERENTIAL MOVEMENT CAN CAUSE GREATER (AND MORE OBVIOUS) DISTRESS IN THE STRUCTURE, LEAKING POOLS, LEAKING PLUMBING LINES, LEAKING DRAINS, DRIPPING FAUCETS, DRIPPING AIR CONDITIONING CONDENSATE LINES, AND MISDIRECTED WATER FROM CLOGGED AND BROKEN GUTTERS AND DOWNSPOUTS CAN CAUSE LOCAL HIGH MOISTURE CONTENTS THAT CAN RESULT IN DIFFERENTIAL MOVEMENT IN AREAS OF EXPANSIVE SOILS. THESE CONDITIONS SHOULD BE REMEDIED AS SOON AS POSSIBLE. TREES IN OR NEAR THE FOOTPRINT OF THE FOUNDATION, EITHER REMOVED OR PLANTED DURING CONSTRUCTION, CAUSE THE MAJORITY OF FOUNDATION PROBLEMS REQUIRING REPAIR IN THIS AREA. TREES REMOVED DURING CONSTRUCTION TEND TO CAUSE HEAVE OF EXPANSIVE SOILS DURING THE FIRST FEW YEARS, WITH INITIAL DISTRESS OFTEN EVIDENT AT THE TIME OF MOVE-IN. TREES PLANTED DURING OR AFTER CONSTRUCTION TEND TO CAUSE SUBSIDENCE OF EXPANSIVE SOILS. HOWEVER, SIGNIFICANT SUBSIDENCE DISTRESS WILL USUALLY NOT OCCUR FOR TEN TO TWENTY YEARS AS THE TREES MATURE.
8. CLIMATE
  - A. DURING PERIODS OF DRY WEATHER, THE SOIL AROUND THE FOUNDATION SHOULD BE IRRIGATED IF THE BUILDING IS LOCATED IN AN AREA WHERE EXPANSIVE SOILS ARE KNOWN TO OCCUR. THE MOST COMMONLY USED IRRIGATION SYSTEM IS ABOVEGROUND TIMED SPRINKLERS WITH A MANUAL OVERRIDE SO THEY CAN BE TURNED OFF IN RAINY WEATHER. AN AUTOMATIC BELOWGROUND IRRIGATION SYSTEM THAT SENSES THE MOISTURE CONTENT OF THE SOIL MAY ALSO BE USED. TEND TO KEEP THE IRRIGATION SYSTEM SET ON "MANUAL", AND ONLY USE IT DRIER PERIODS WHEN WITHING OF THE LAWN GRASSES AND OTHER VEGETATION OCCURS. THE IRRIGATION SHOULD BE DONE AT LEAST ONCE TO TWO FEET AWAY FROM THE FOUNDATION, AND THEN LIGHTLY SO THAT TREE ROOTS ARE NOT ATTRACTED THERE. DO NOT ALLOW SPRINKLERS TO SPRAY WATER AGAINST THE STRUCTURE. IN EXTENDED DRY PERIODS, SHOULD THE SOIL CRACK AND PULL AWAY FROM THE FOUNDATION, DO NOT WATER DIRECTLY INTO THE GAP.
9. UTILITIES
  - A. CONNECTIONS FOR UTILITIES (PLUMBING, ELECTRICAL, GAS, ETC.) THAT ARE UNDERNEATH, GO THROUGH OR ARE ATTACHED TO THE FOUNDATION SHALL HAVE BE FLEXIBLE TO ACCOMMODATE FOUNDATION MOVEMENT OF AT LEAST 2". ALL DRAINAGE PIPING, AND GENERAL PLUMBING SYSTEMS ASSOCIATED WITH THE FOUNDATION OR IN PROXIMITY TO THE FOUNDATION SHALL BE LEAK TESTED FOLLOWING INSTALLATION AND ON AN ANNUAL BASIS.
10. ARCHITECTURAL FINISHES
  - A. TILE FLOORS SHALL BE JOINTED FREQUENTLY TO MINIMIZE CRACKING.
  - B. WALL COVERINGS SHALL BE JOINTED ON EACH SIDE OF DOOR AND WINDOW OPENINGS.
  - C. ALL ARCHITECTURAL FINISHES SHALL MIRROR CONTROL, EXPANSION OR CONSTRUCTION JOINTS IN THE FOUNDATION.



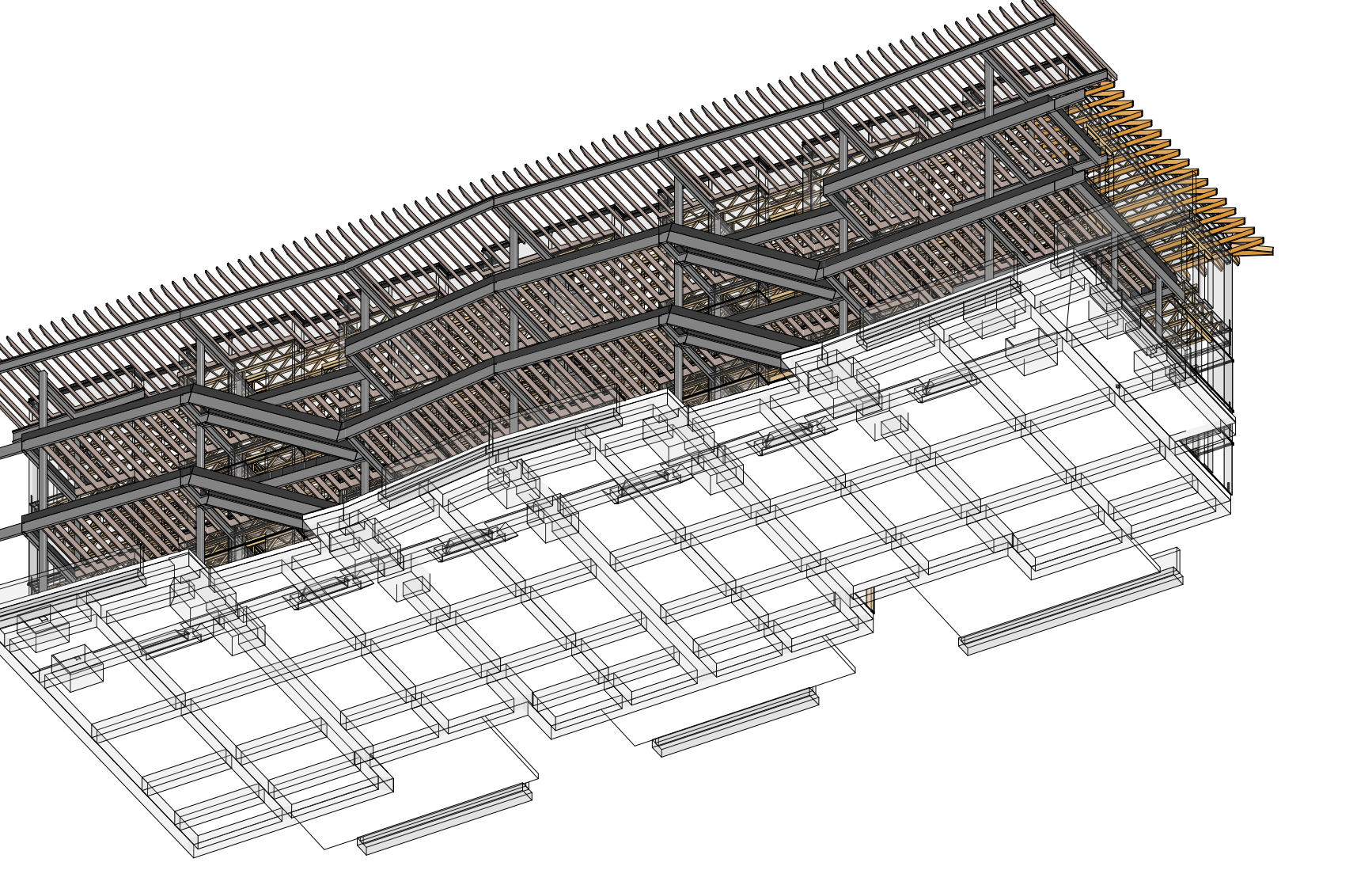
1 S0.1A STRUCTURAL FOUNDATION - 3D - 1



2 S0.1A STRUCTURAL FOUNDATION - 3D - 2



3C S0.1A STRUCTURAL FRAMING - 3D - 1



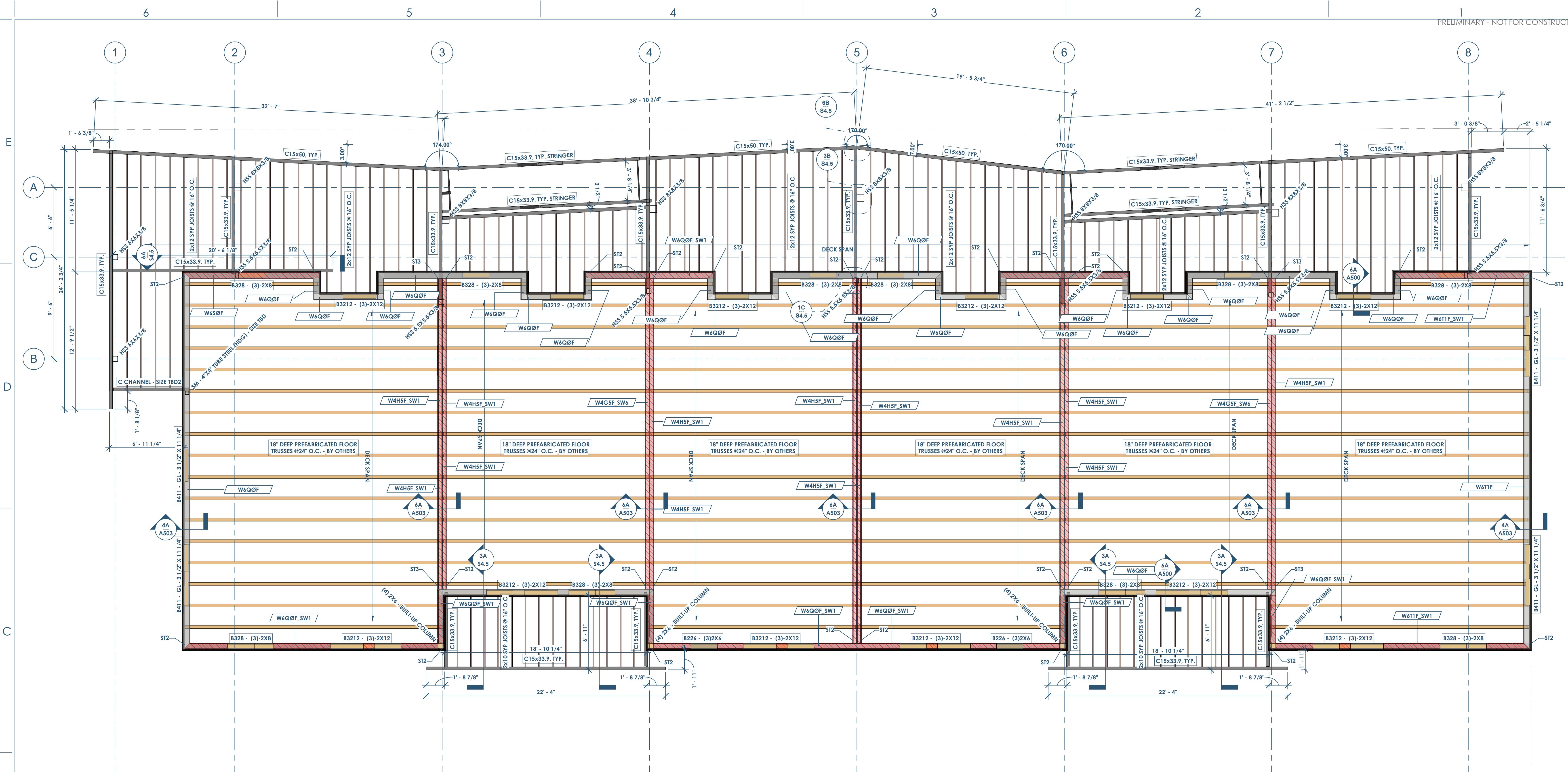
4A S0.1A STRUCTURAL FRAMING - 3D - 2

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Date	Description
05.19.2022	Progress Set



68  
S0.2 FRAMING PLAN - 2ND FLOOR  
1/4" = 1'-0"

SHEAR WALL SCHEDULE					
SHEAR WALL TYPE	SHEATHING TYPE	PANEL EDGE NAILING	FIELD NAILING	ANCHORAGE	ALLOWABLE WIND SHEAR CAPACITY
SW1	7/16" WSP	4"	12"	(5/8" Ø @ 40" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	335 PLF
SW2	7/16" WSP	4"	12"	(5/8" Ø @ 32" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	490 PLF
SW3	7/16" WSP	3"	12"	(5/8" Ø @ 24" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 2" OC - AT WOOD)	630 PLF
SW4	15/32" WSP	3"	12"	(5/8" Ø @ 24" O.C. - AT CONCRETE) - (0.148" X 3" LONG NAILS @ 2" OC - AT WOOD)	840 PLF
SW5	15/32" WSP	2"	12"	(5/8" Ø @ 24" O.C. - AT CONCRETE) - (0.148" X 3" LONG NAILS @ 2" OC - AT WOOD)	991 PLF
SW6	5/8" GYP WALLBOARD	7"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	115 PLF
SW7	5/8" GYP WALLBOARD	4"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	145 PLF

- SHEAR WALL NOTES:**
- ALL FASTENERS FOR WOOD STRUCTURAL PANEL SHALL BE FLAT HEAD NAILS CONSISTING OF THE FOLLOWING UNO:
    - A. 0.131" Ø X 2 1/2" LONG
    - B. 0.148" Ø X 3" LONG
  - FASTENERS FOR GYPSUM WALLBOARD SHALL BE ONE OF THE FOLLOWING:
    - A. 6d COOLER NAILS (0.092" X 1 7/8" LONG, 1/4" HEAD)
    - B. WALLBOARD NAIL (0.0912" X 1 7/8" LONG, 1/4" HEAD)
    - C. 0.120" NAIL X 1-3/4" LONG, MIN 3/8" HEAD
  - NO. 6 TYPE S OR W DRYWALL SCREWS 1-1/4" LONG
  - ANCHORS INTO CONCRETE SHALL EITHER BE CAST-IN-PLACE J-BOLTS OR ADHESIVE ANCHORS WITH A MINIMUM EMBEDMENT OF 8". THE CONTRACTOR SHALL SUBMIT PROPOSED ADHESIVE ANCHOR ASSEMBLY FOR APPROVAL.
  - ALL PANEL EDGES SHALL BE BLOCKED.
  - WSP = WOOD STRUCTURAL PANEL. REF GENERAL NOTES FOR SPECIFICATIONS.
  - IF WALL IS SHEATHED ON BOTH SIDES, THEN SILL PLATE ANCHORAGE AND CONNECTION OF BOTTOM PLATE TO TOP PLATE SHALL BE DOUBLED.
  - PANELS MUST BE INSTALLED DIRECTLY TO FRAMING.
  - VALUES CALCULATED ARE FOR SOUTHERN PINE OR DOUGLAS-FIR LARCH FRAMING. CONTACT FOR IF OTHER SPECIES ARE USED.
  - PROVIDE 1/8" WIDE JOINTS IN SHEATHING TO ALLOW FOR SHRINKAGE AND EXPANSION OF THE PANELS.

SHEARWALL HOLDDOWNS AT ELEVATED FLOOR					
TYPE MARK	HOLDDOWN HARDWARE	END LENGTH (IN)	FASTENERS	END POST	ALLOWABLE TENSION LOAD (LBF)
ST1	(1) SIMPSON CSIB	12"	(11) 0.131 X 2 1/2" NAILS	(2) - 2X	1,370
ST2	(2) SIMPSON CSIB	12"	(11) 0.131 X 2 1/2" NAILS	(2) - 2X	2740
ST3	(2) SIMPSON CS18	19"	(18) 0.131 X 2 1/2" NAILS	(3) - 2X	4780

- SHEARWALL & HOLDDOWN NOTES:**
- MULTIPLE PLIES OF END POSTS SHALL BE FASTENED TOGETHER PER THE MECHANICALLY BUILT-UP COLUMN NAILED DETAIL.
  - REFERENCE DETAIL 6A/S4.2 FOR TYPICAL HOLDDOWN CONFIGURATIONS.

BEAM SCHEDULE					
BEAM TAG	BEAM SIZE	STUD PACK - NUMBER OF STUDS	FACE-MOUNT HANGER	TOP-FLANGE HANGER	NOTE NUMBER
B226	(3)2X6	2	LUS26-2	HU26-2TF	1,2,3,4,6,7,8,9
B328	(3)-2X8	2	LUS26-3	HU548TF	1,2,3,4,6,7,8,9
B3212	(3)-2X12	3	HU210-3	HU212-3TF	1,2,3,4,6,7,8,9
B411	GL - 3 1/2" X 11 1/4"	3	HU5410	HB3.56/11.25	3,4,5,6,7,8,9

- BEAM LEGEND NOTES:**
- MULTIPLE PLY DIMENSIONAL LUMBER BEAMS SHALL RECEIVE 1/2" PLYWOOD SHEATHING. SEE TYPICAL DETAIL.
  - FOR NAILING BUILT-UP BEAMS REFER TO DETAIL 2A/S4.0
  - FOR KING AND JACK STUD REQUIREMENTS FOR EXTERIOR HEADERS REFER TO DETAIL 4C/S4.1
  - FOR KING AND JACK STUD REQUIREMENTS IN INTERIOR HEADERS REFER TO DETAIL 5B/S4.1
  - BEAMS SHALL BE ANTHONY POWER BEAM GLUE LAMINATED BEAMS OR APPROVED EQUAL
  - STUD PACKS ARE REQUIRED WHEN BEAM IS BEARING ON A WALL ASSEMBLY. STUD PACKS MUST CONTINUE ALL THE WAY TO THE FOUNDATION UNLESS TRANSFERRED BY A BEAM.
  - ALL STUDS IN STUD PACK SHALL BE NO. 2 SOUTHERN PINE OR BETTER.
  - SHEATHING AND/OR DRYWALL MUST BE ATTACHED TO EACH INDIVIDUAL STUD IN THE STUD PACK.
  - ALL STUDS IN STUD PACK MUST BE FASTENED PER MECHANICALLY LAMINATED BUILT-UP COLUMN-NAILED - REFER TO 6A/S4.1

WALL STUD SCHEDULE				
TOP OF WALL	MAX PLATE HT	EXTERIOR WALL	INTERIOR NON-LOAD BEARING	PARTY WALL
ROOF	8" - 11 5/8"	2X4 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 16" O.C.
3RD	10" - 8"	2X4 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 12" O.C.
2ND	10" - 9 5/8"	2X4 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 8" O.C.

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Date: 05/19/2022 Description: Progress Set

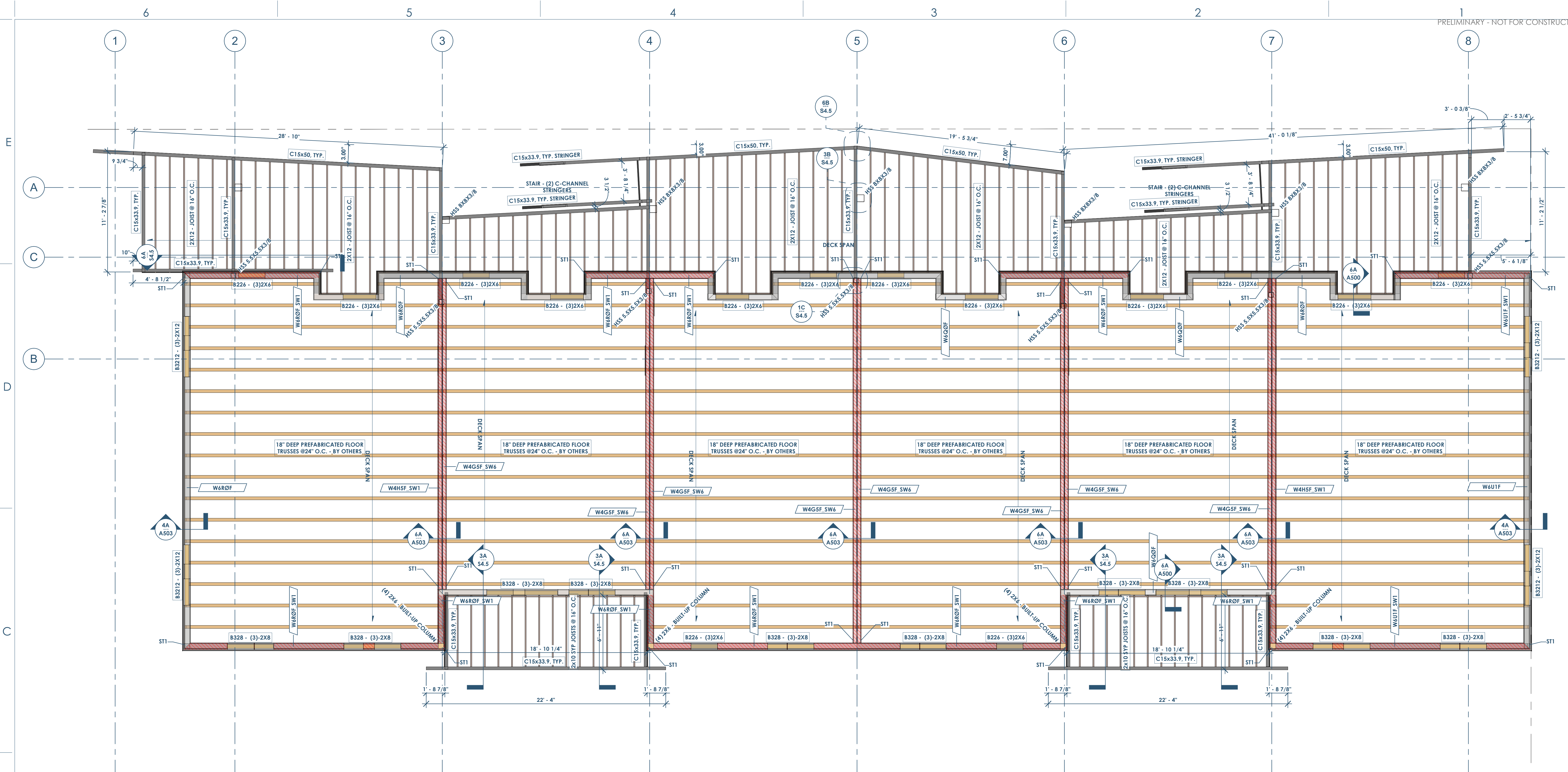

  
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info@amcengineers.com



48  
S0.3  
FRAMING PLAN - 3RD FLOOR  
1/4" = 1'-0"

SHEAR WALL SCHEDULE					
SHEAR WALL TYPE	SHEATHING TYPE	PANEL EDGE NAILING	FIELD NAILING	ANCHORAGE	ALLOWABLE WIND SHEAR CAPACITY
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SW5	15/32" WSP	2"	12"	(5/8" Ø @ 24" O.C. - AT CONCRETE) - (0.148" X 3" LONG NAILS @ 2" OC - AT WOOD)	991 PLF
SW6	5/8" GYP WALLBOARD	7"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	115 PLF
SW7	5/8" GYP WALLBOARD	4"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	145 PLF

- SHEAR WALL NOTES:**
- ALL FASTENERS FOR WOOD STRUCTURAL PANEL SHALL BE FLAT HEAD NAILS CONSISTING OF THE FOLLOWING UNO:
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    - C. 0.120" NAIL X 1-3/4" LONG, MIN 3/8" HEAD
  - NO. 6 TYPE S OR W DRYWALL SCREWS 1-1/4" LONG
  - ANCHORS INTO CONCRETE SHALL EITHER BE CAST-IN-PLACE J-BOLTS OR ADHESIVE ANCHORS WITH A MINIMUM EMBEDMENT OF 8". THE CONTRACTOR SHALL SUBMIT PROPOSED ADHESIVE ANCHOR ASSEMBLY FOR APPROVAL.
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SHEARWALL HOLD-DOWNS AT ELEVATED FLOOR				
TYPE MARK	HOLD-DOWN HARDWARE	END LENGTH (IN)	FASTENERS	ALLOWABLE TENSION LOAD (LBF)
ST1	(1) SIMPSON CS18	12"	((11) 0.131 X 2 1/2" NAILS	(2) - 2X 1,370
ST2	(2) SIMPSON CS18	12"	((11) 0.131 X 2 1/2" NAILS	(2) - 2X 2,740
ST3	(2) SIMPSON CS14	19"	((18) 0.131 X 2 1/2" NAILS	(3) - 2X 4,980

- SHEARWALL & HOLD-DOWN NOTES:**
- MULTIPLE PLIES OF END POSTS SHALL BE FASTENED TOGETHER PER THE MECHANICALLY BUILT-UP COLUMN NAILED DETAIL.
  - REFERENCE DETAIL 6A/S4.2 FOR TYPICAL HOLD-DOWN CONFIGURATIONS.

BEAM SCHEDULE					
BEAM TAG	BEAM SIZE	STUD PACK - NUMBER OF STUDS	FACE-MOUNT HANGER	TOP-FLANGE HANGER	NOTE NUMBER
B226	(3)2X6	2	LUS26-2	HU26-2TF	1,2,3,4,6,7,8,9
B328	(3)-2X8	2	LUS26-3	HUS48TF	1,2,3,4,6,7,8,9
B3212	(3)-2X12	3	HU210-3	HU212-3TF	1,2,3,4,6,7,8,9
B411	GL - 3 1/2" X 11 1/4"	3	HU5410	HB3.56/11.25	3,4,5,6,7,8,9

- BEAM LEGEND NOTES:**
- MULTIPLE PLY DIMENSIONAL LUMBER BEAMS SHALL RECEIVE 1/2" PLYWOOD SHEATHING. SEE TYPICAL DETAIL.
  - FOR NAILING BUILT-UP BEAMS REFER TO DETAIL 2A/S4.0
  - FOR KING AND JACK STUD REQUIREMENTS FOR EXTERIOR HEADERS REFER TO DETAIL 4C/S4.1
  - FOR KING AND JACK STUD REQUIREMENTS IN INTERIOR HEADERS REFER TO DETAIL 5B/S4.1
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  - STUD PACKS ARE REQUIRED WHEN BEAM IS BEARING ON A WALL ASSEMBLY. STUD PACKS MUST CONTINUE ALL THE WAY TO THE FOUNDATION UNLESS TRANSFERRED BY A BEAM.
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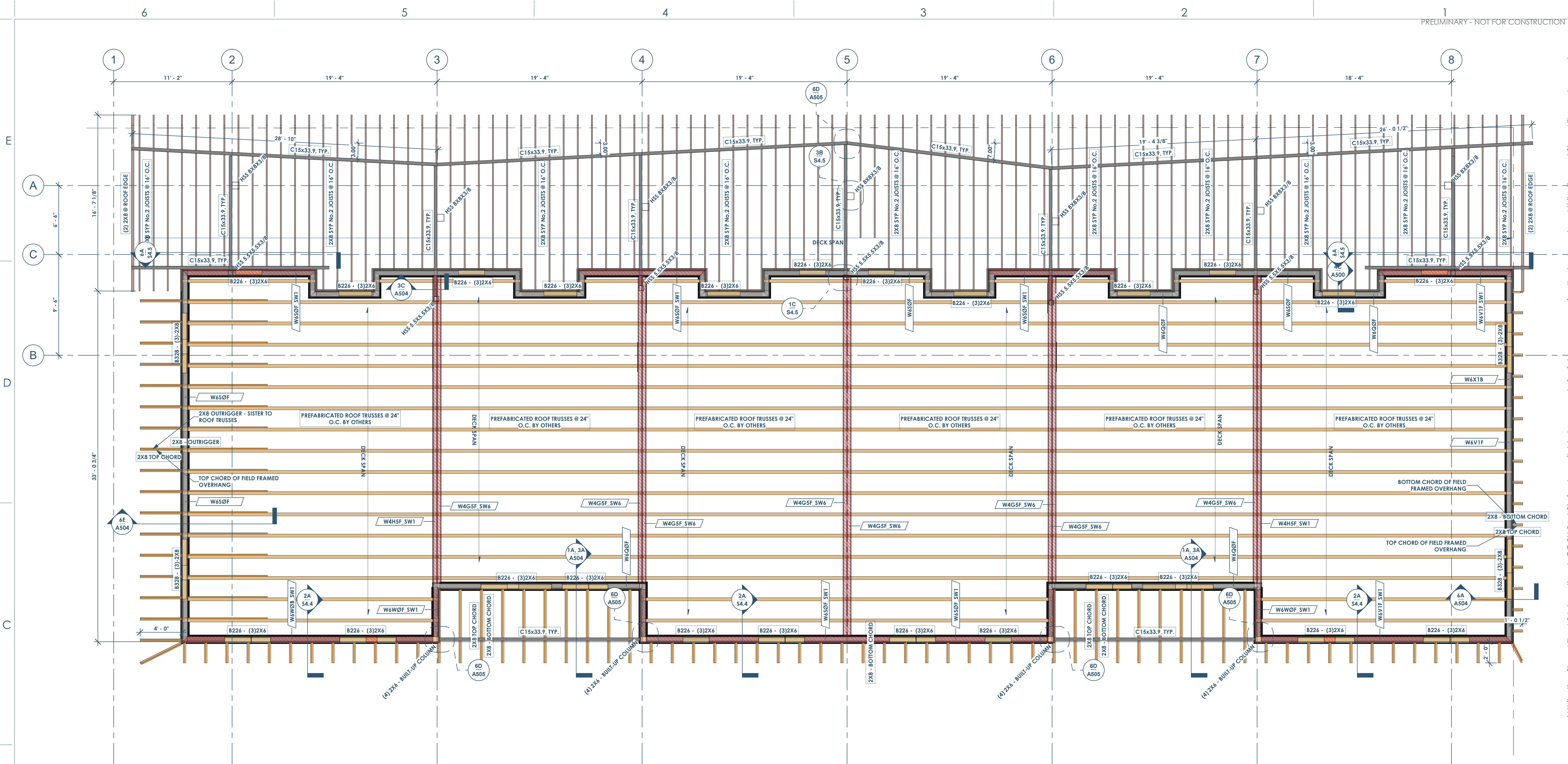
WALL STUD SCHEDULE				
TOP OF WALL	MAX PLATE HT	EXTERIOR WALL	INTERIOR NON-LOAD BEARING	PARTY WALL
ROOF	8" - 11 5/8"	2X4 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 16" O.C.
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Date: 05/19/2022

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68  
S0.4 FRAMING PLAN - ROOF  
1/4" = 1'-0"

SHEAR WALL SCHEDULE					
SHEAR WALL TYPE	SHEATHING TYPE	PANEL EDGE NAILING	FIELD NAILING	ANCHORAGE	ALLOWABLE WIND SHEAR CAPACITY
SW1	7/16" WSP	6"	12"	(5/8" Ø @ 40" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	335 PLF
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SW7	5/8" GYP WALLBOARD	4"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	145 PLF

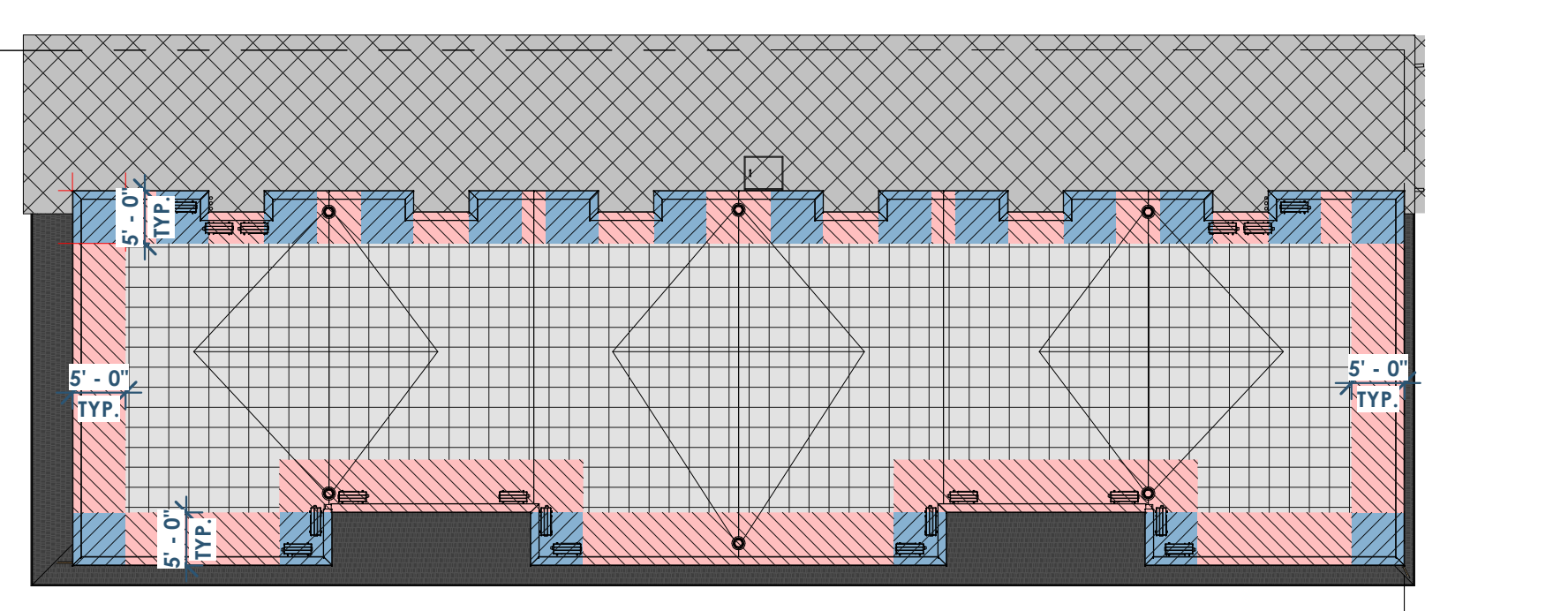
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    - WALLBOARD NAIL (0.0915" X 1 7/8" LONG, 19/64" HEAD)
    - 12" Ø NAIL X 1/4" LONG, MIN 3/8" HEAD
    - NO. 6 TYPE S OR W DRYWALL SCREWS 1-1/4" LONG
  - ANCHORS INTO CONCRETE SHALL EITHER BE CAST-IN-PLACE J-BOLTS OR ADHESIVE ANCHORS WITH A MINIMUM EMBEDMENT OF 8". THE CONTRACTOR SHALL SUBMIT PROPOSED ADHESIVE ANCHOR ASSEMBLY FOR APPROVAL.
  - ALL PANEL EDGES SHALL BE BLOCKED.
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  - VALUES CALCULATED ARE FOR SOUTHERN PINE OR DOUGLAS-FIR LARCH FRAMING. CONTACT EOR IF OTHER SPECIES ARE USED.
  - PROVIDE 1/8" WIDE JOINTS IN SHEATHING TO ALLOW FOR SHRINKAGE AND EXPANSION OF THE PANELS.

- ROOF FRAMING NOTES:**
- METAL PLATE CONNECTED ROOF TRUSS FRAMING:**
- METAL PLATE CONNECTED WOOD TRUSSES SHALL BE SPACED @ 24" O.C UNLESS NOTED OTHERWISE. LOADING CRITERIA SHALL BE AS FOLLOWS:
    - TOP CHORD LIVE LOAD (TCLL): 20 PSF
    - REF MECHANICAL DRAWINGS FOR RTUS.
    - TOP CHORD DEAD LOAD (TCDL): 5 PSF - SINGLE-PLY MEMBRANE ROOF (NOT INCLUDING SELF-WEIGHT)
    - BOTTOM CHORD LIVE LOAD (BCLL): 10 PSF (NON-CONCURRENT WITH TCLL)
    - BOTTOM CHORD DEAD LOAD (BCDL): 5 PSF
    - TOP CHORD WIND LOAD. REF COMPONENTS AND CLADDING SCHEDULE
  - TRUSS DEFLECTION LIMITS: TRUSSES SHALL BE LIMITED TO THE FOLLOWING DEFLECTION LIMITS:
    - PITCHED ROOF TRUSSES: LIVE LOAD (L/240) TOTAL LOAD (L/180)
    - SHALLOW (< 4:12) PITCHED ROOF TRUSSES: LIVE LOAD (L/240) TOTAL LOAD (L/240)
    - PITCHED ROOF TRUSSES: 1.00 X DEFLECTION FROM ACTUAL DEAD LOAD.
  - DRAG TRUSSES SHALL BE PROVIDED DIRECTLY OVER INTERIOR SHEAR WALLS AND SHALL BE DESIGNED FOR A TOTAL FORCE EQUAL TO THE LENGTH OF THE SHEAR WALL MULTIPLIED BY THE ALLOWABLE SHEAR VALUE PROVIDED IN THE SHEAR WALL SCHEDULE FOR THAT SHEAR WALL TYPE.
  - TRUSS RESTRAINT/BRACING METHODS SHALL BE IN ACCORDANCE WITH BC31-B3 UNLESS NOTED OTHERWISE.

- ROOF DECKING NOTES:**
- ROOF DECKING SHALL BE 3/4" APA RATED SHEATHING (SPAN RATING 32/16).
  - PANELS SHALL SPAN 3 MORE RAFTERS IN THE .ONG DIMENSION.
  - PANEL CLIPS:
    - SINGLE-PLY OR MODIFIED BITUMEN ROOFING SYSTEMS:
      - LOW SLOPE ROOF (LESS THAN OR EQUAL TO 2:12)
        - DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT.
        - SLOPE GREATER THAN 2:12
          - DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT FOR ANY SPAN GREATER THAN 12.2' O.C.
      - ANY OTHER TYPE OF ROOFING SYSTEM
        - DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT.

ROOF DECKING FASTENING		
ZONE	PANE EDGE / BOUNDARY	FIELD
ZONE 1	@ 6" O.C. MAX	@ 12" O.C. MAX
ZONE 2	@ 6" O.C. MAX	@ 6" O.C. MAX
ZONE 3	@ 4" O.C. MAX	@ 6" O.C. MAX
ZONE 3 OVERHANG	@ 3" O.C. MAX	@ 6" O.C. MAX

- ROOF DECKING FASTENING NOTES:**
- ALL NAILS SHALL BE 0.131" Ø X 2 1/2" RING SHANK NAILS
  - REFERENCE THE COMPONENTS AND CLADDING WIND PRESSURE MAP ON THE
  - GENERAL NOTES FOR ZONE LOCATIONS.
  - EDGE SPACING ALSO APPLIES OVER THE TOP OF SHEARWALLS.



6A  
S0.4 FLOOR PLAN - ROOF WIND ZONE  
1/16" = 1'-0"

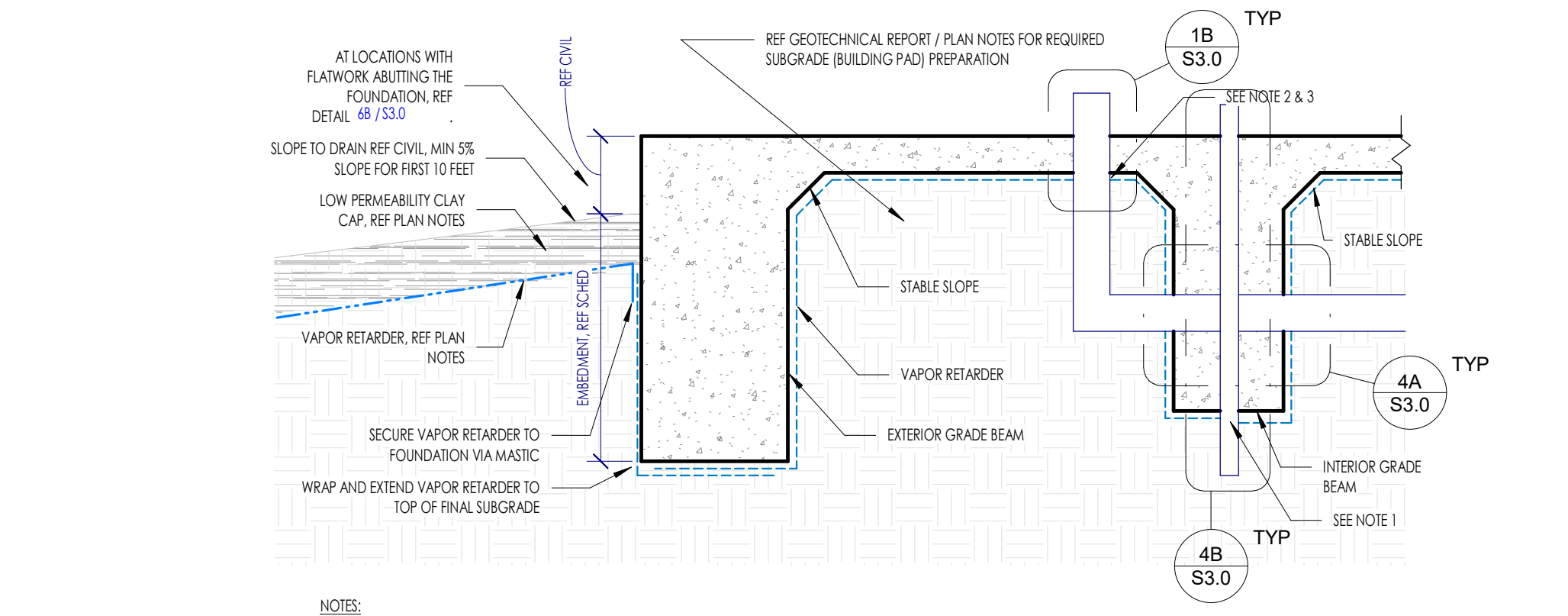
BEAM SCHEDULE					
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B411	GL - 3 1/2" X 11 1/4"	3	HHU5410	HB3.56/11.25	3,4,5,6,7,8,9

- BEAM LEGEND NOTES:**
- MULTIPLE PLY DIMENSIONAL LUMBER BEAMS SHALL RECEIVE 1/2" PLYWOOD SHEATHING. SEE TYPICAL DETAIL.
  - FOR NAILING BUILT-UP BEAMS REFER TO DETAIL 2A/S4.0
  - FOR KING AND JACK STUD REQUIREMENTS FOR EXTERIOR HEADERS REFER TO DETAIL 4C/S4.1
  - FOR KING AND JACK STUD REQUIREMENTS IN INTERIOR HEADERS REFER TO DETAIL 5B/S4.1
  - BEAMS SHALL BE ANTHONY POWER BEAM GLUE LAMINATED BEAMS OR APPROVED EQUAL.
  - STUD PACKS ARE REQUIRED WHEN BEAM IS BEARING ON A WALL ASSEMBLY. STUD PACKS MUST CONTINUE ALL THE WAY TO THE FOUNDATION UNLESS TRANSFERRED BY A BEAM.
  - ALL STUDS IN STUD PACK MUST BE FASTENED PER MECHANICALLY LAMINATED BUILT-UP COLUMN-NAILED - REFER TO 6A/S4.1
  - SHEATHING AND/OR DRYWALL MUST BE ATTACHED TO EACH INDIVIDUAL STUD IN THE STUD PACK.
  - ALL STUDS IN STUD PACK MUST BE FASTENED PER MECHANICALLY LAMINATED BUILT-UP COLUMN-NAILED - REFER TO 6A/S4.1

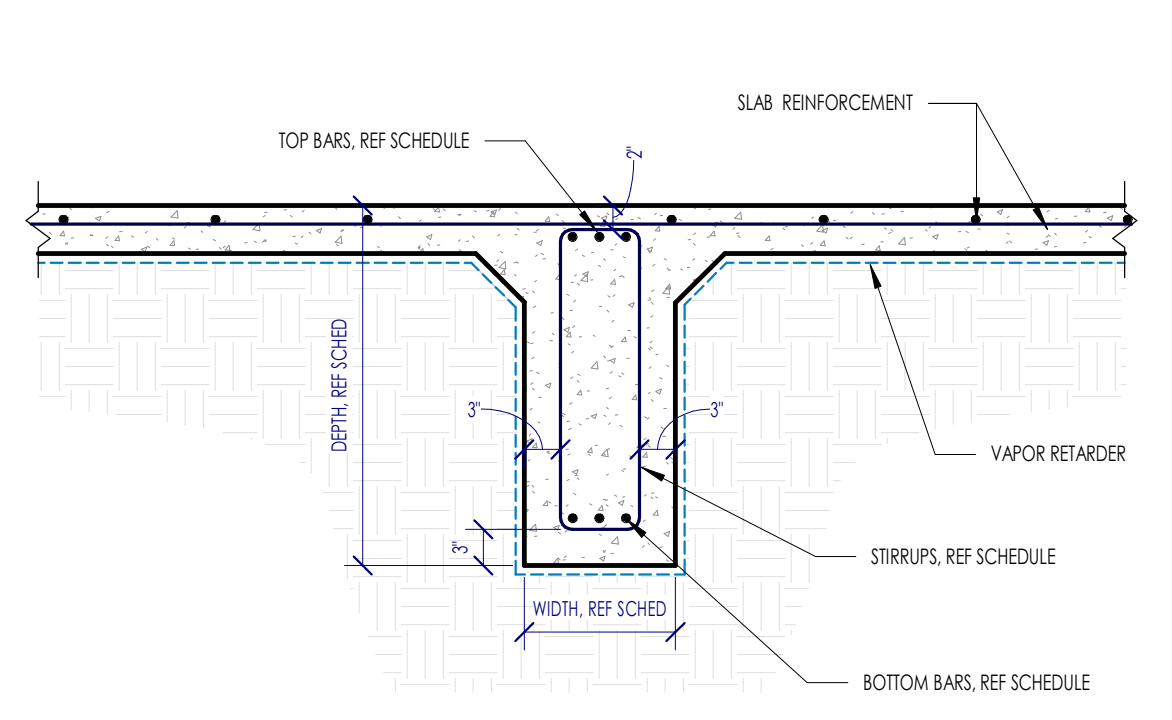
WALL STUD SCHEDULE				
TOP OF WALL	MAX PLATE HT	EXTERIOR WALL	INTERIOR NON-LOAD BEARING	PARTY WALL
ROOF	8" - 11 5/8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 16" O.C.
3RD	10" - 8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 12" O.C.
2ND	10" - 9 5/8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 8" O.C.

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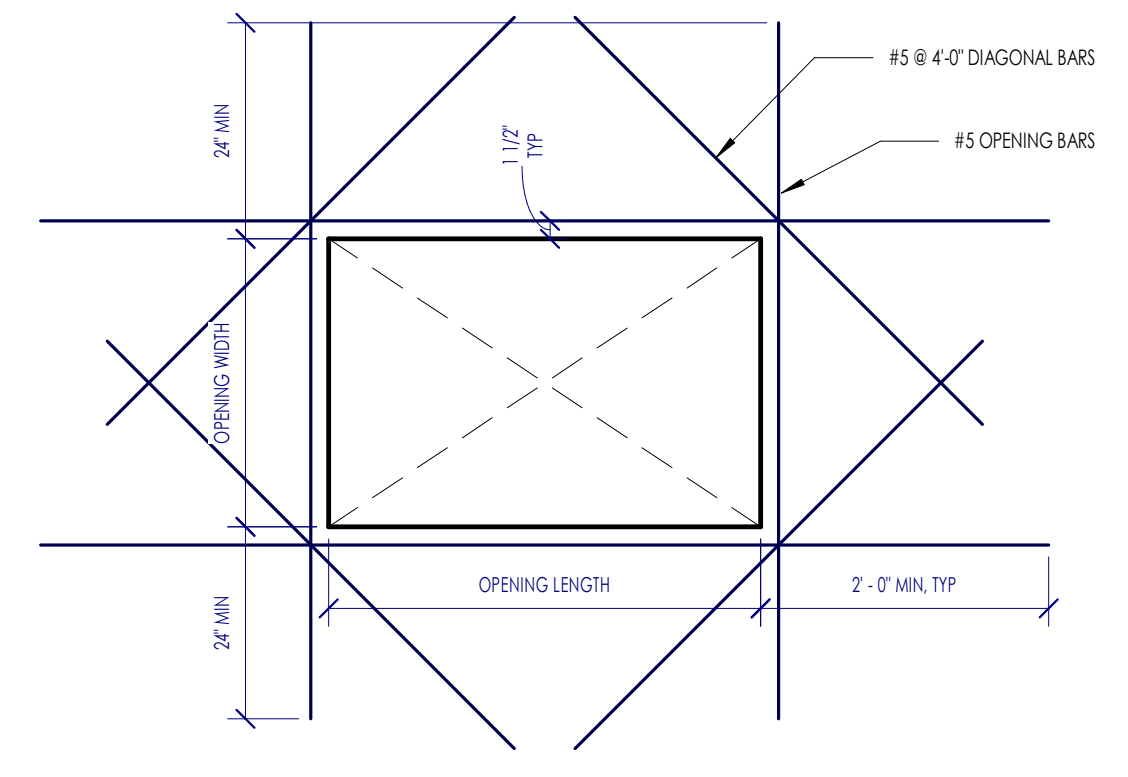
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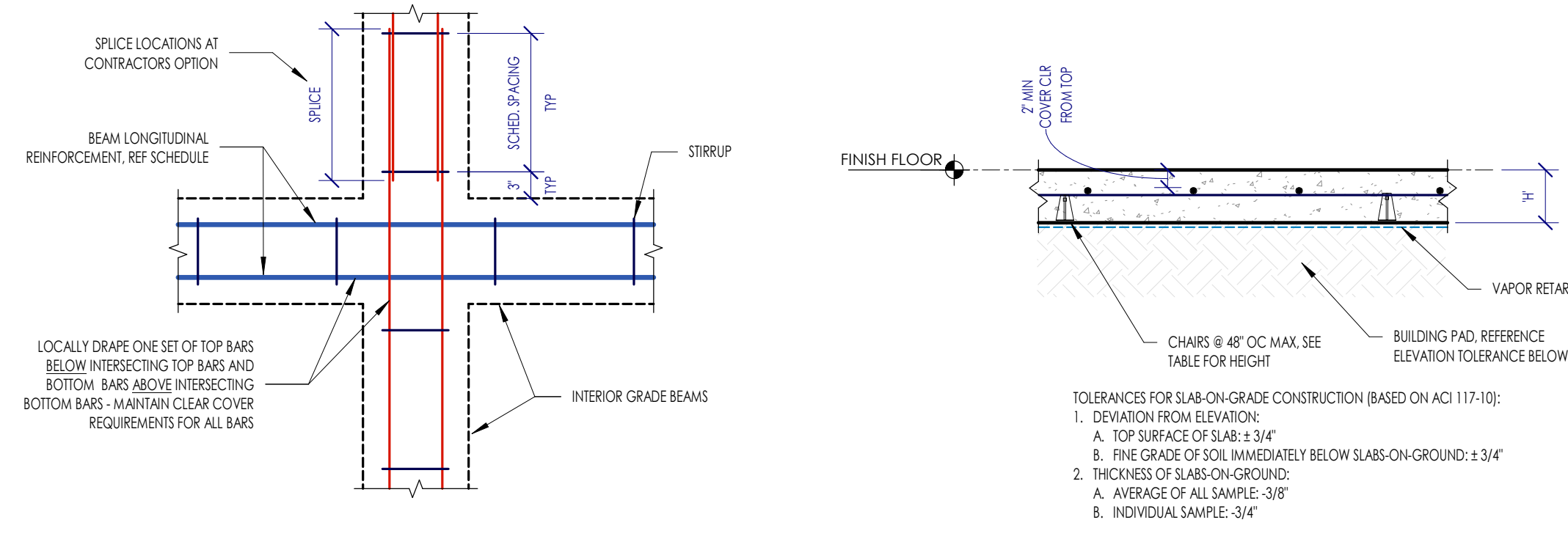
1B TYPICAL SUBGRADE AND VAPOR RETARDER PREPARATION  
NOT TO SCALE



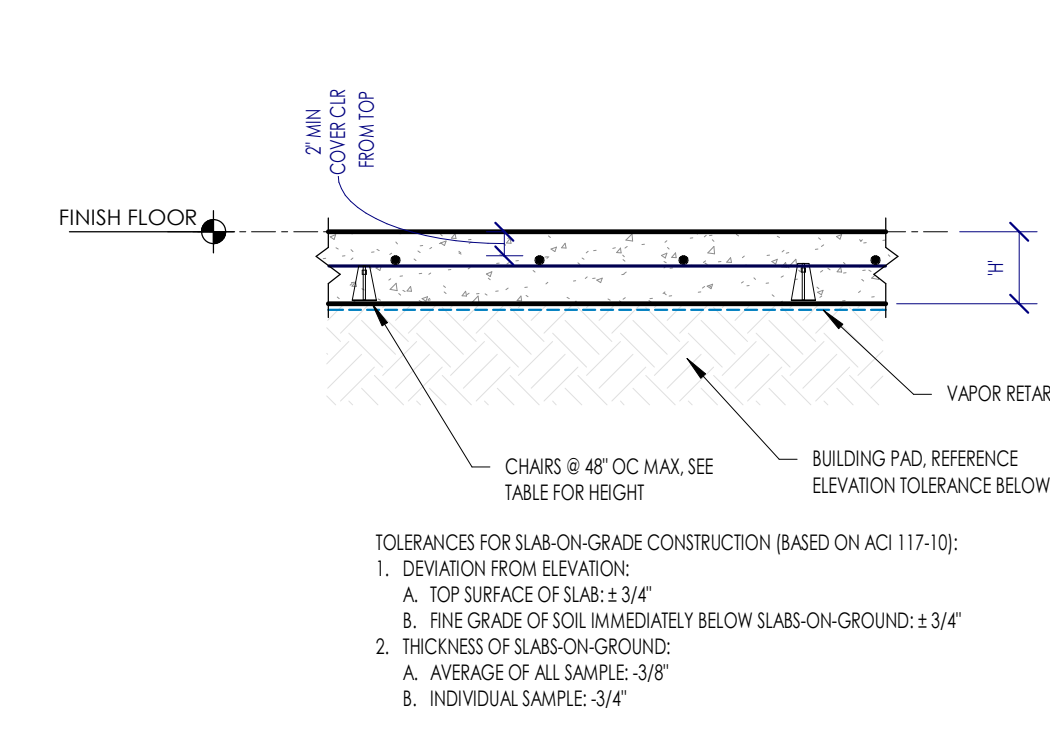
2D TYPICAL INTERIOR GRADE BEAM  
NOT TO SCALE



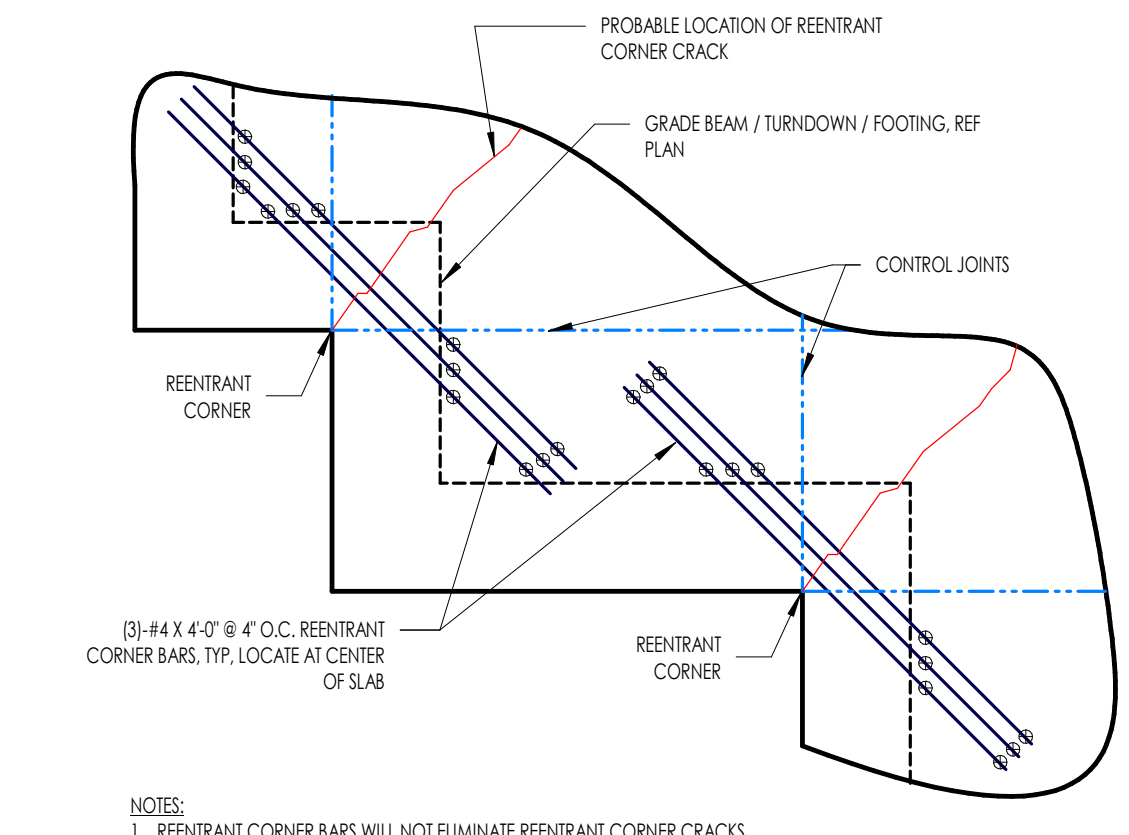
1D TYPICAL REINFORCEMENT AT SLAB BLOCKOUT  
NOT TO SCALE



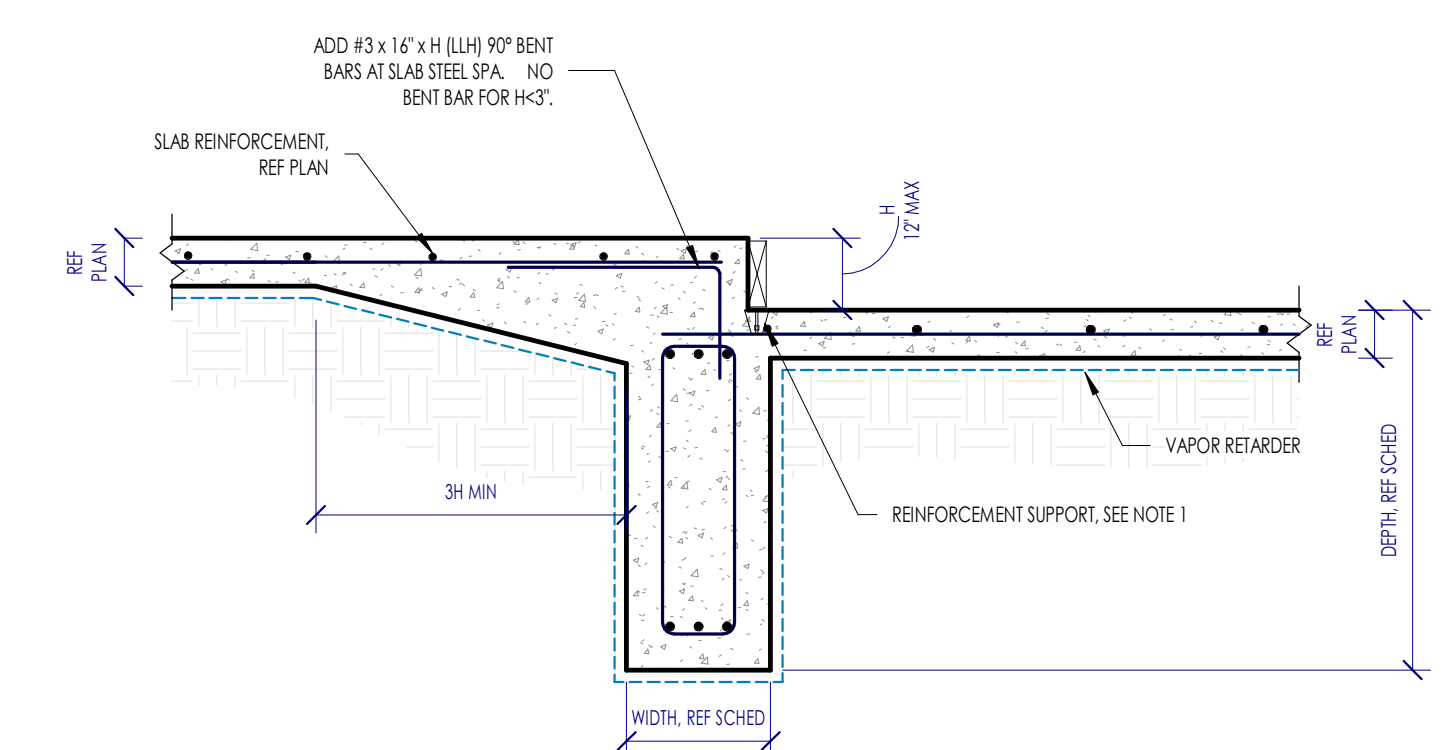
6C TYPICAL INTERIOR BEAM INTERSECTION  
NOT TO SCALE



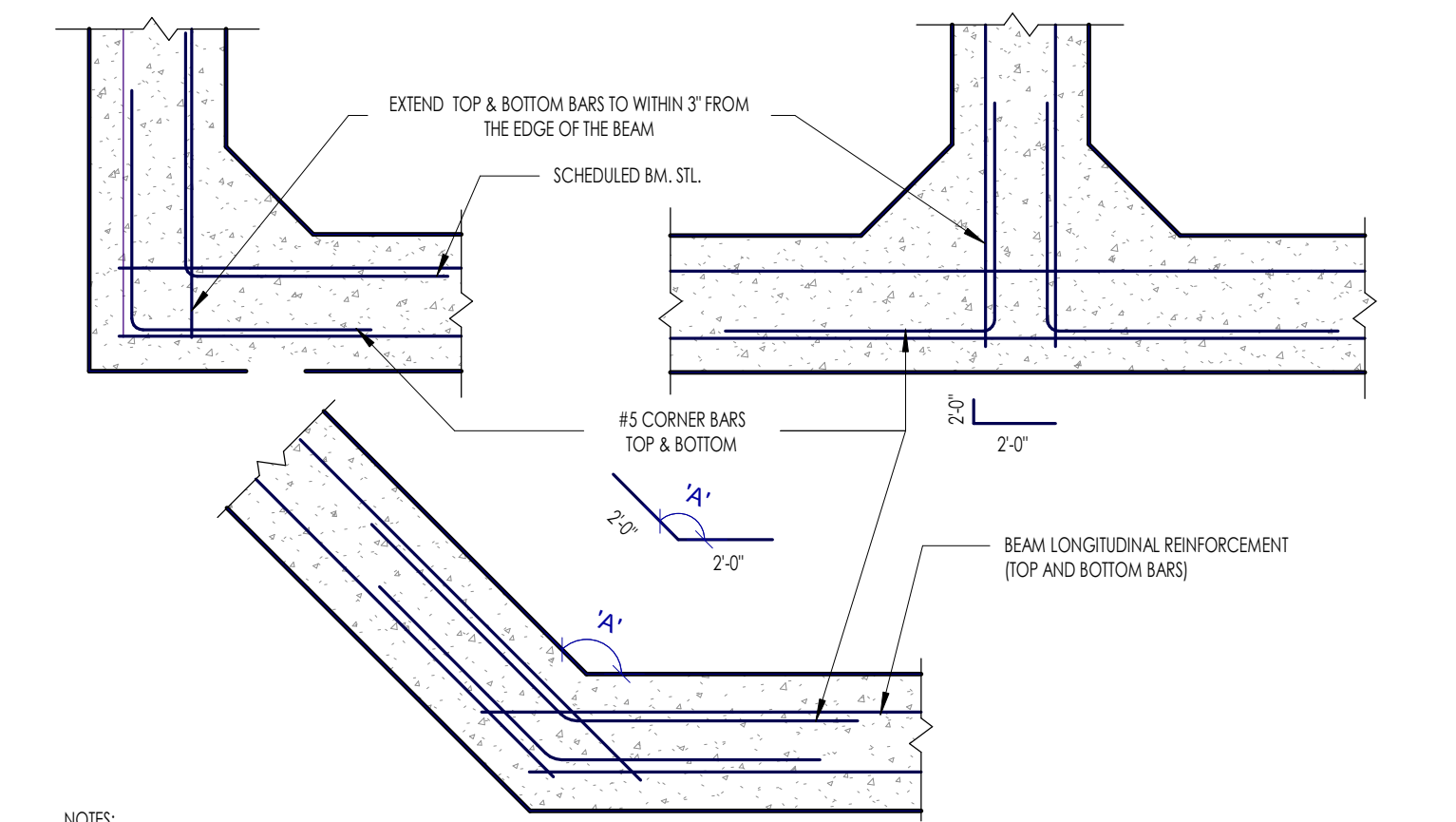
5C TYPICAL SLAB-ON-GRADE SECTION  
NOT TO SCALE



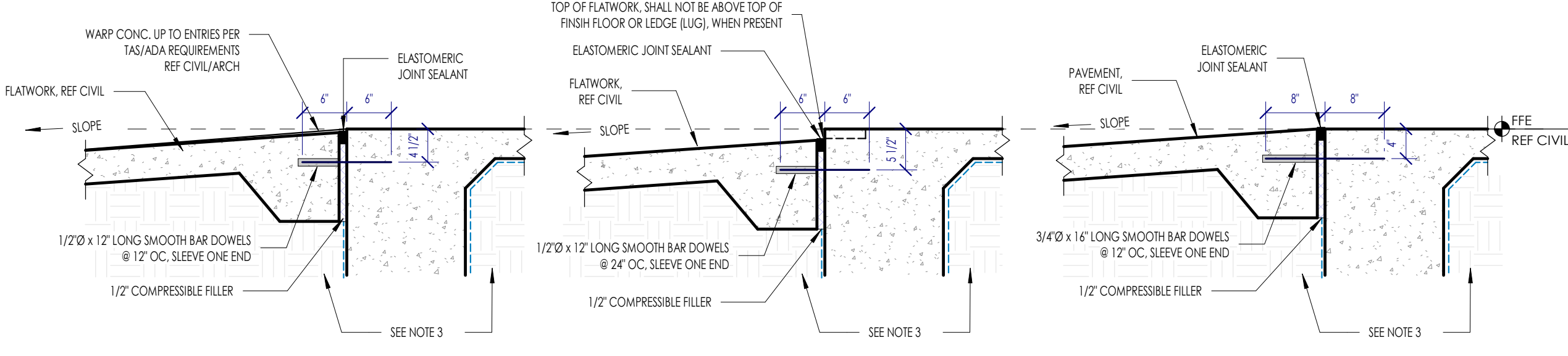
4C TYPICAL REENRANT CORNER BARS  
NOT TO SCALE



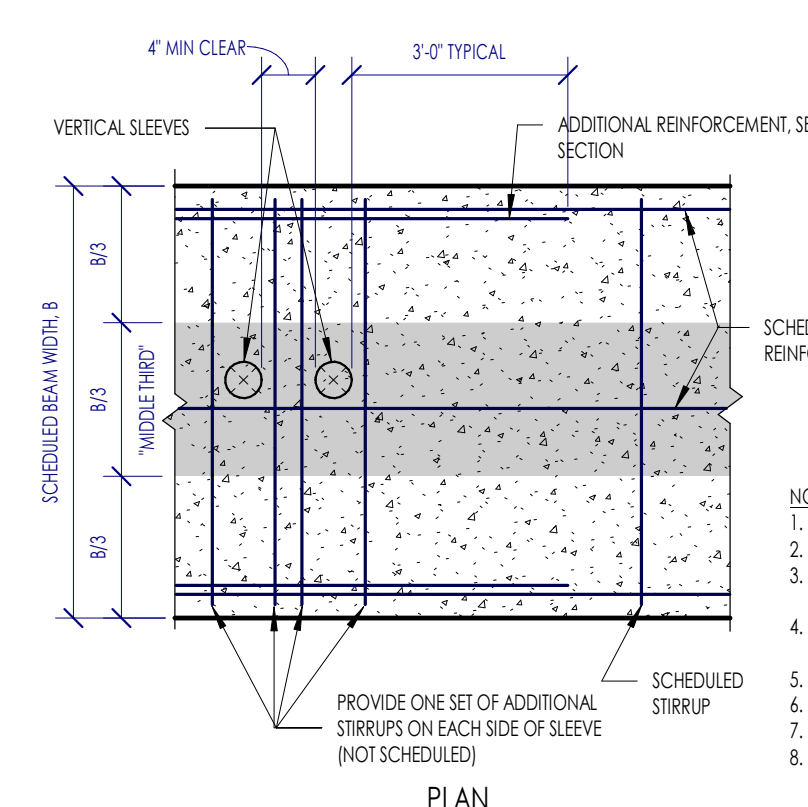
3C TYPICAL SLAB DROP AT GRADE BEAM  
NOT TO SCALE



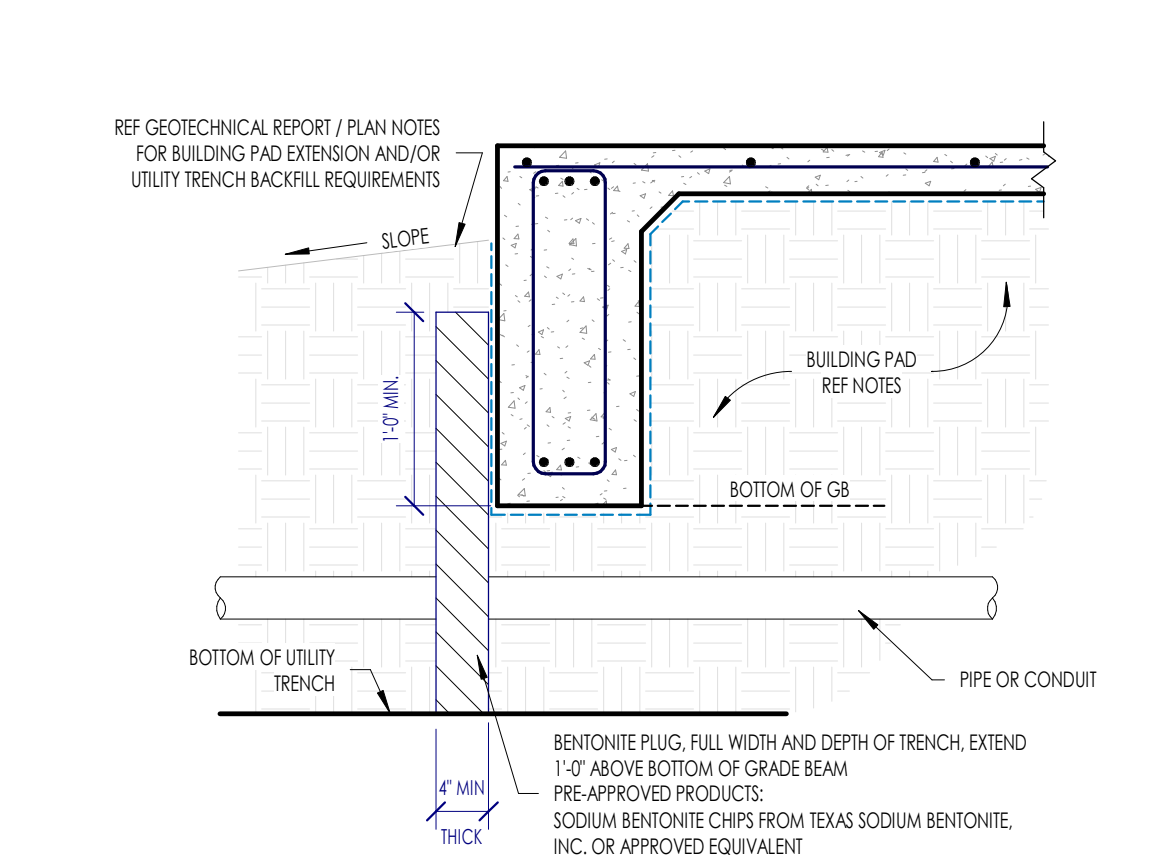
1C TYPICAL CORNER BARS  
NOT TO SCALE



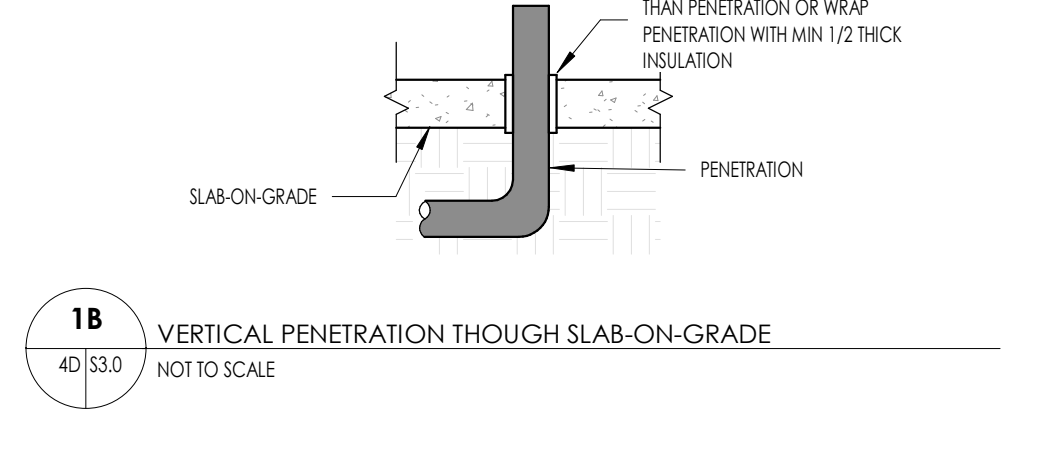
6B FLATWORK AT ENTRY DOOR  
FLATWORK NOT AT ENTRY DOOR  
AT PAVEMENT (DRIVE-IN)  
NOT TO SCALE



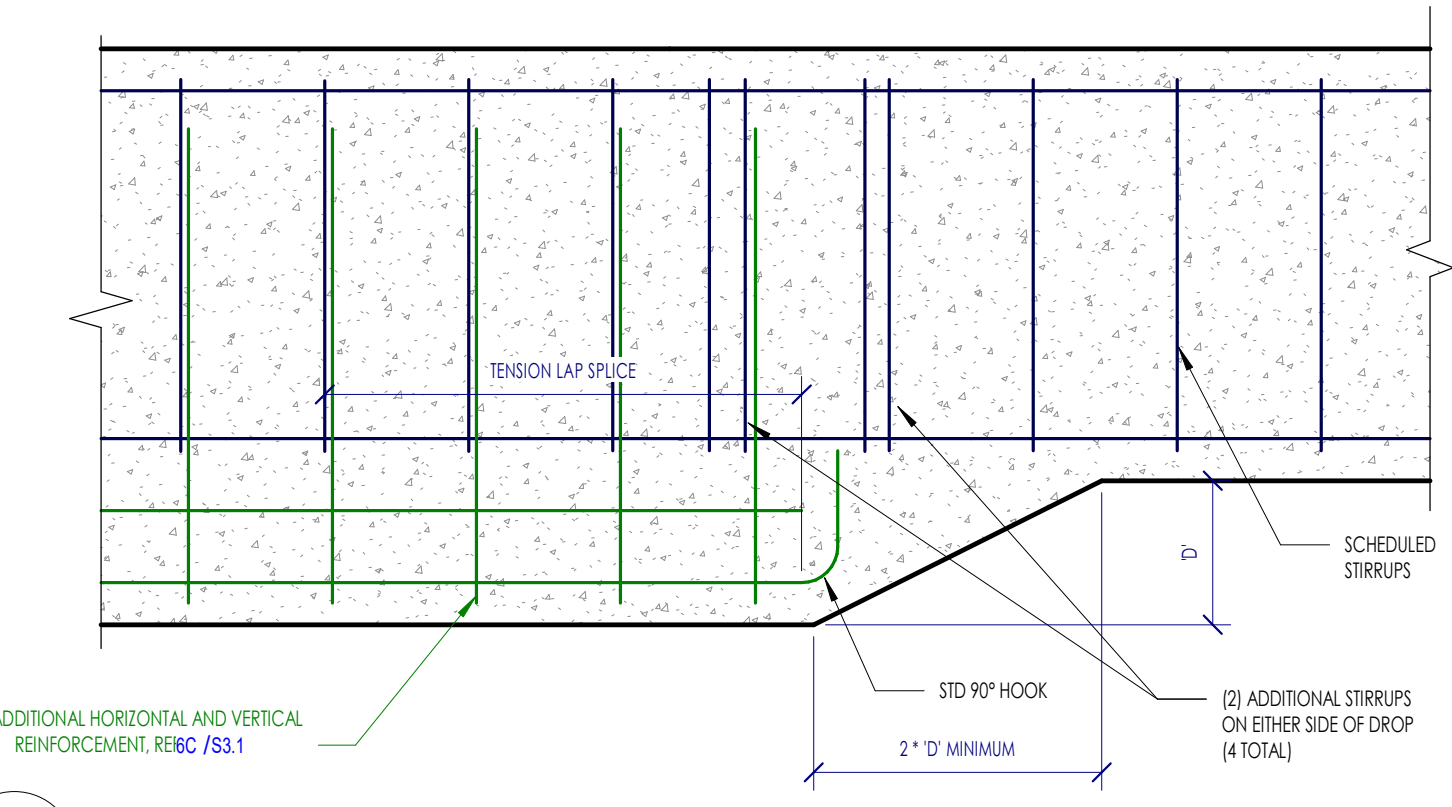
4B TYPICAL VERTICAL PENETRATION IN GRADE BEAM  
NOT TO SCALE



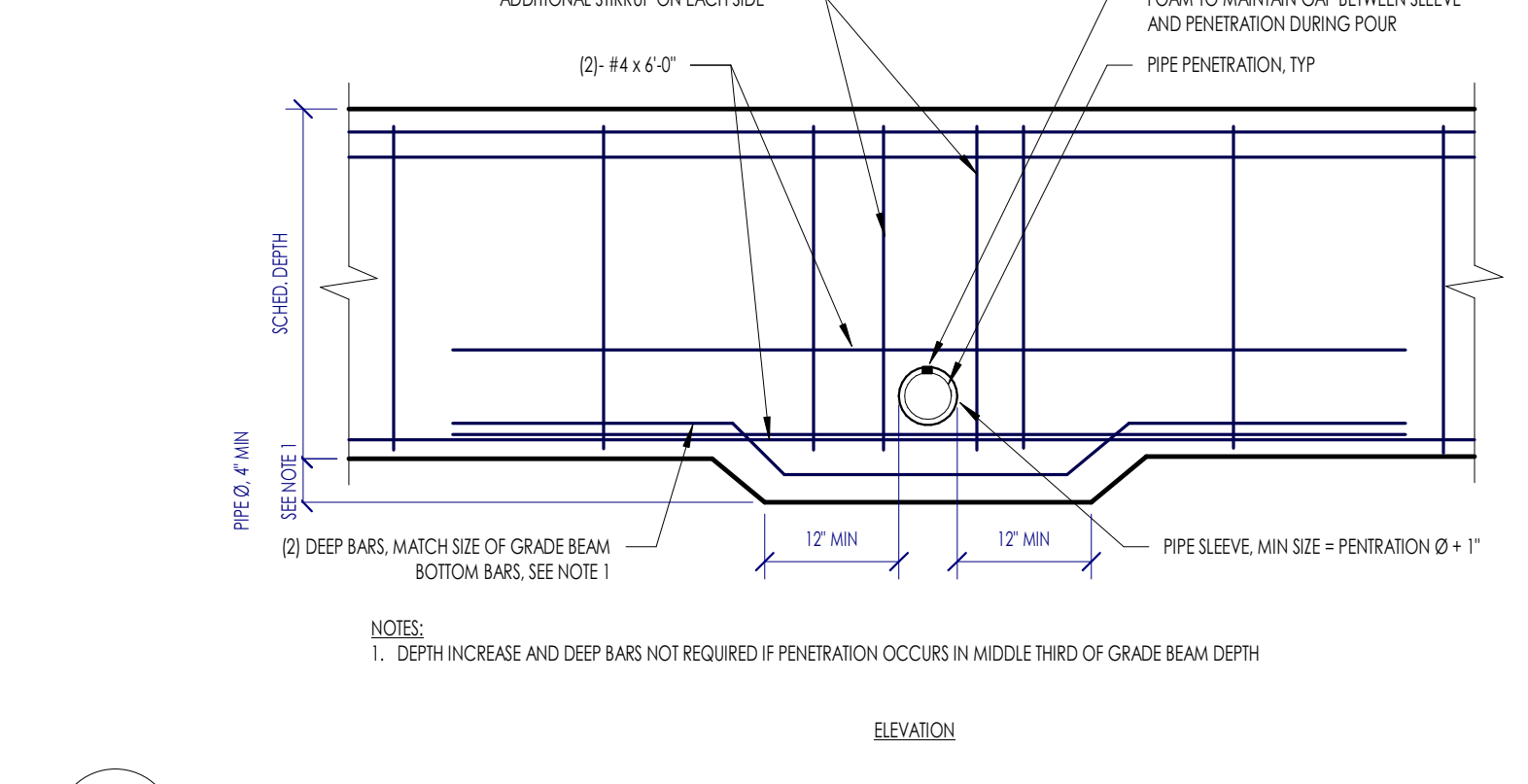
2B TYPICAL UTILITY TRENCH UNDER BUILDING PAD BENTONITE PLUG AT EXTERIOR BEAM.  
NOT TO SCALE



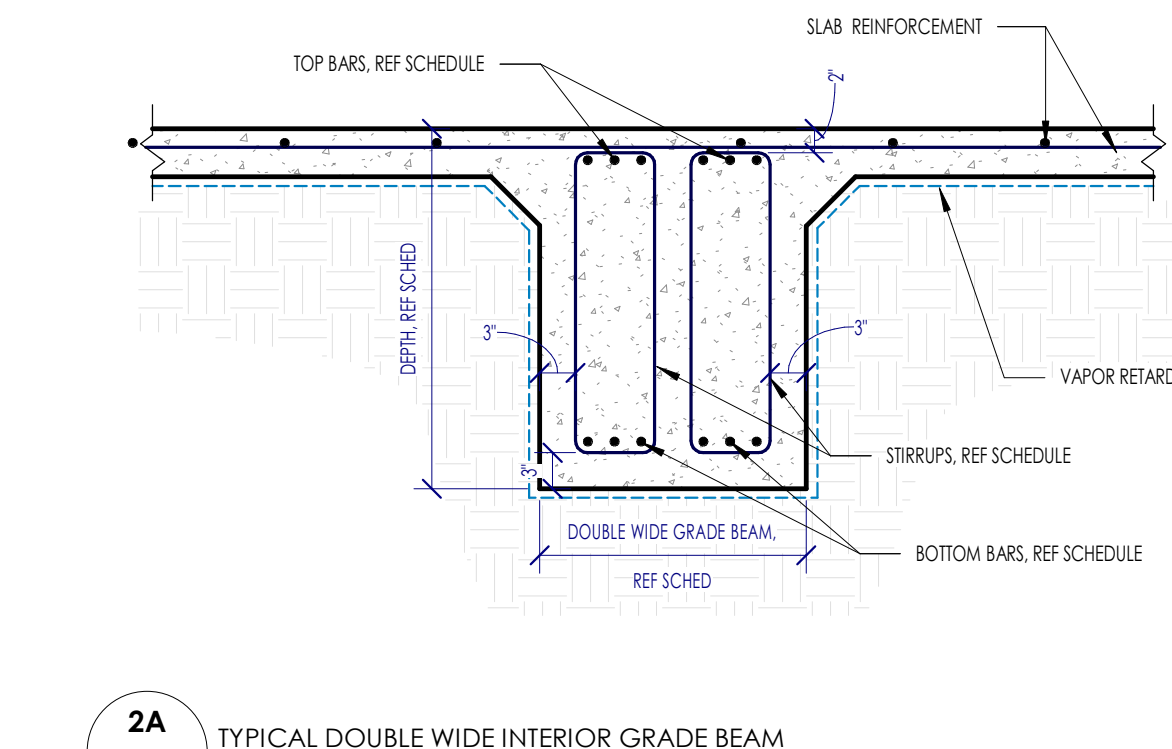
1B VERTICAL PENETRATION THROUGH SLAB-ON-GRADE  
NOT TO SCALE



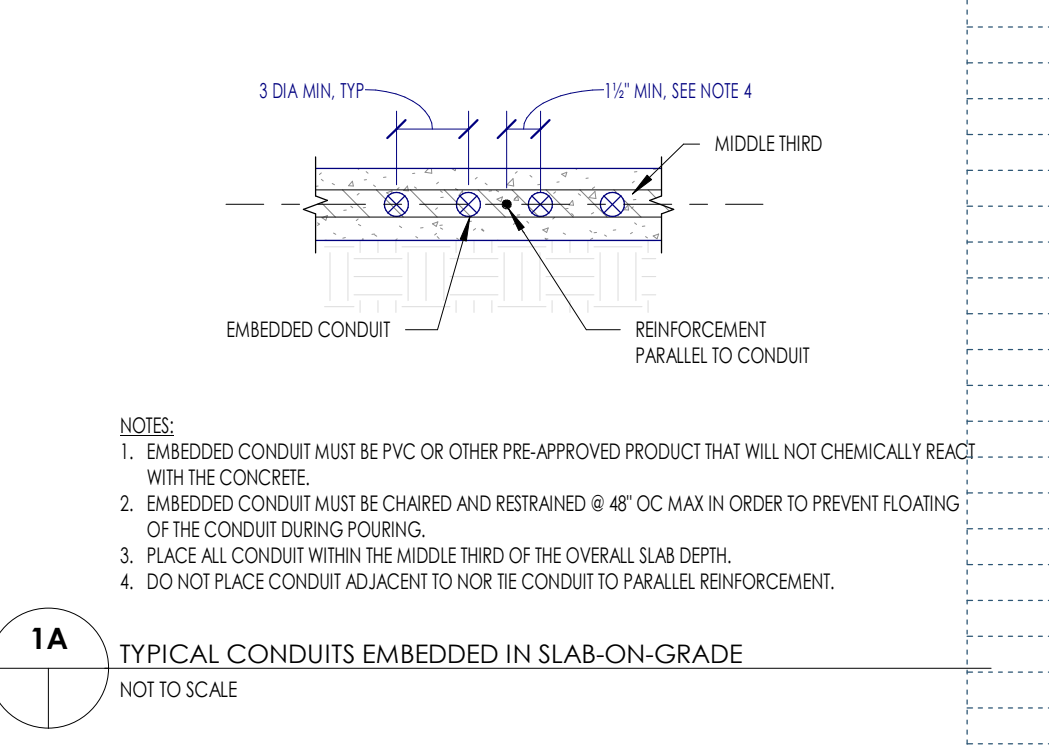
6A TYPICAL DROP TRANSITION IN GRADE BEAM - VERTICAL MOISTURE BARRIER  
NOT TO SCALE



4A TYPICAL HORIZONTAL PENETRATION IN BEAM  
NOT TO SCALE



2A TYPICAL DOUBLE WIDE INTERIOR GRADE BEAM  
NOT TO SCALE



1A TYPICAL CONDUITS EMBEDDED IN SLAB-ON-GRADE  
NOT TO SCALE

Date	Description
	REV. 1

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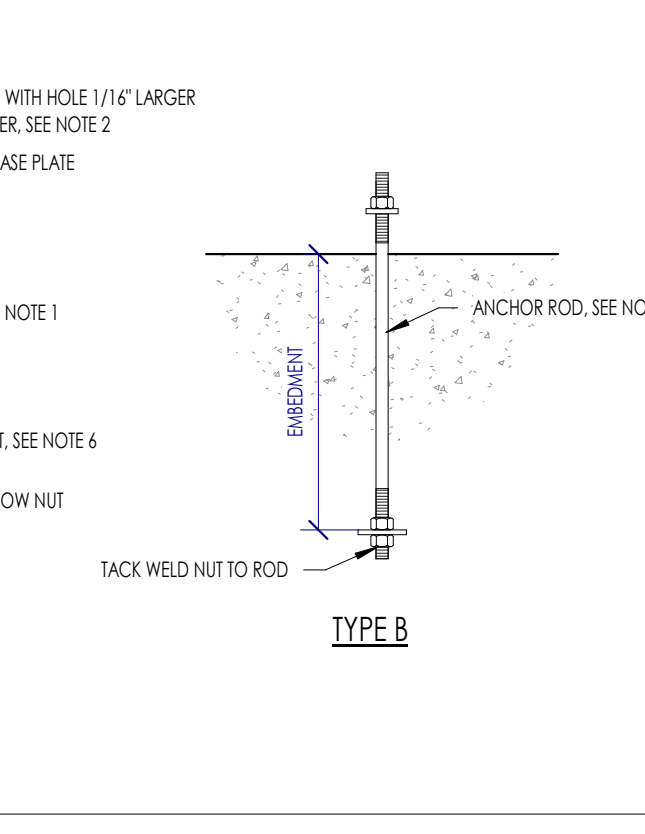
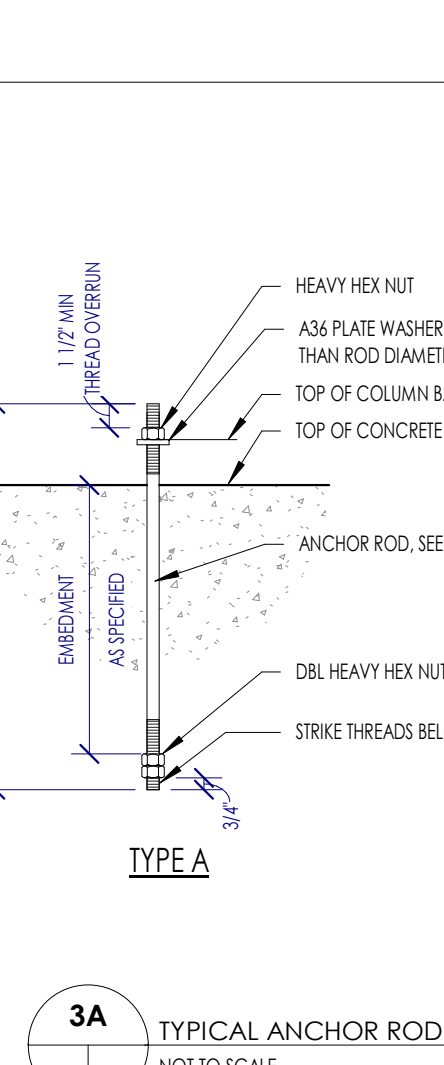
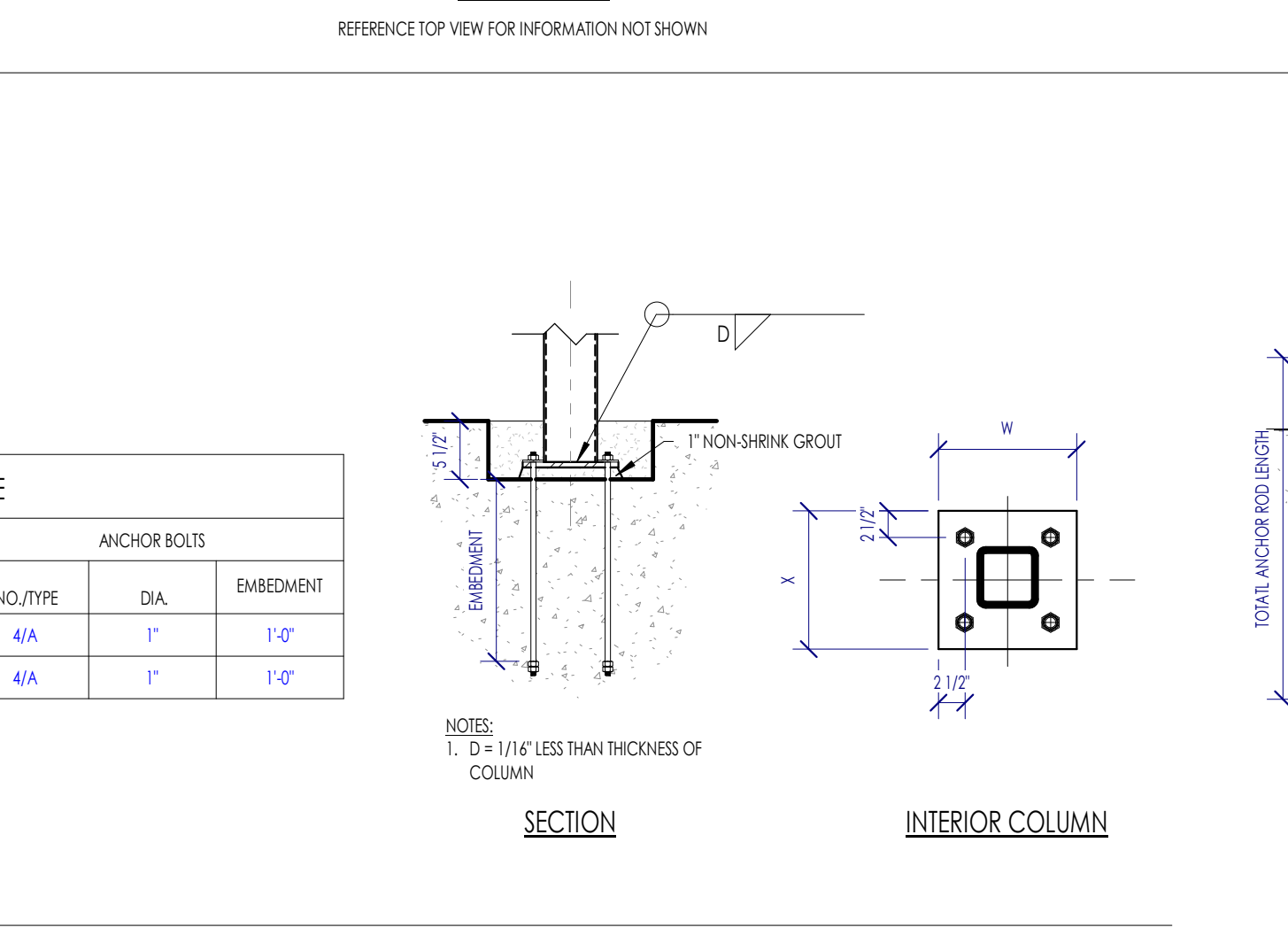
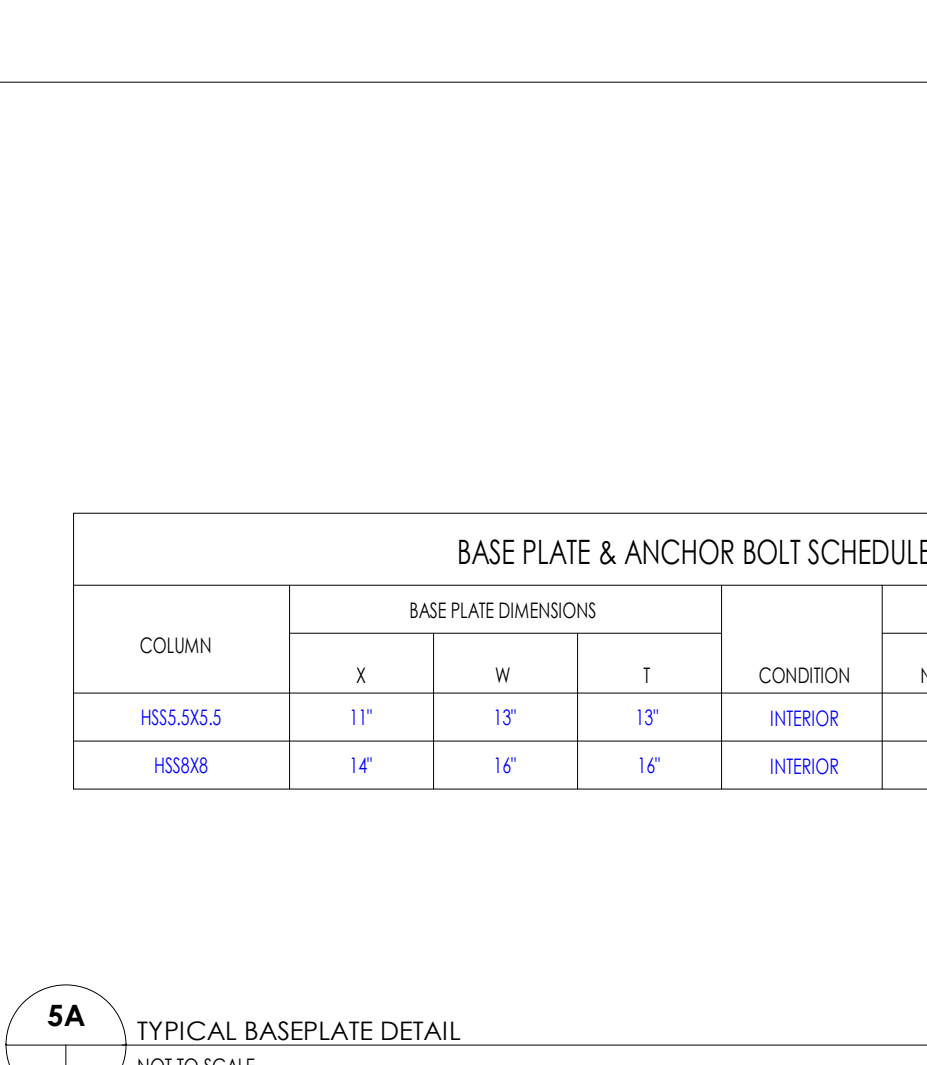
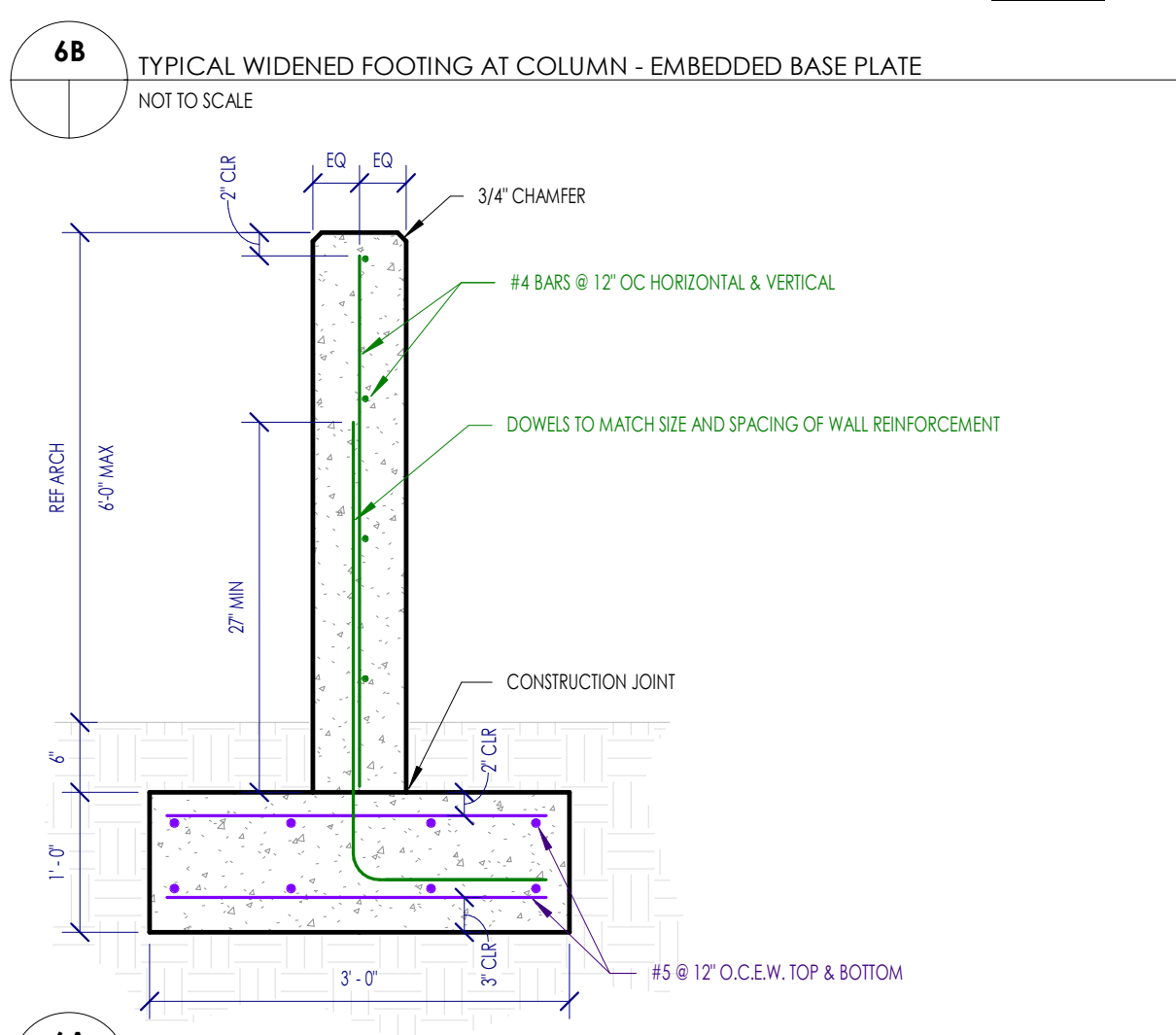
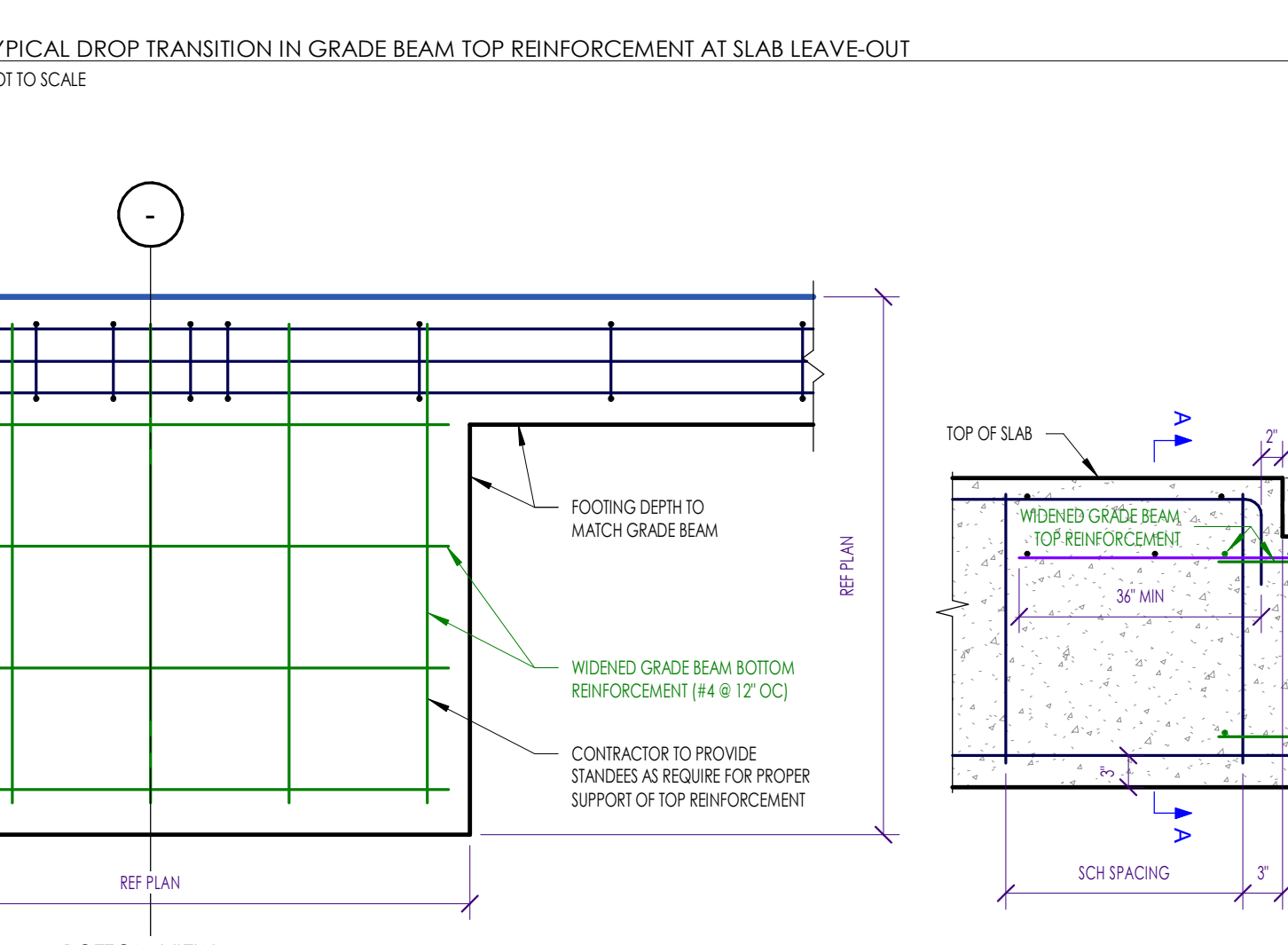
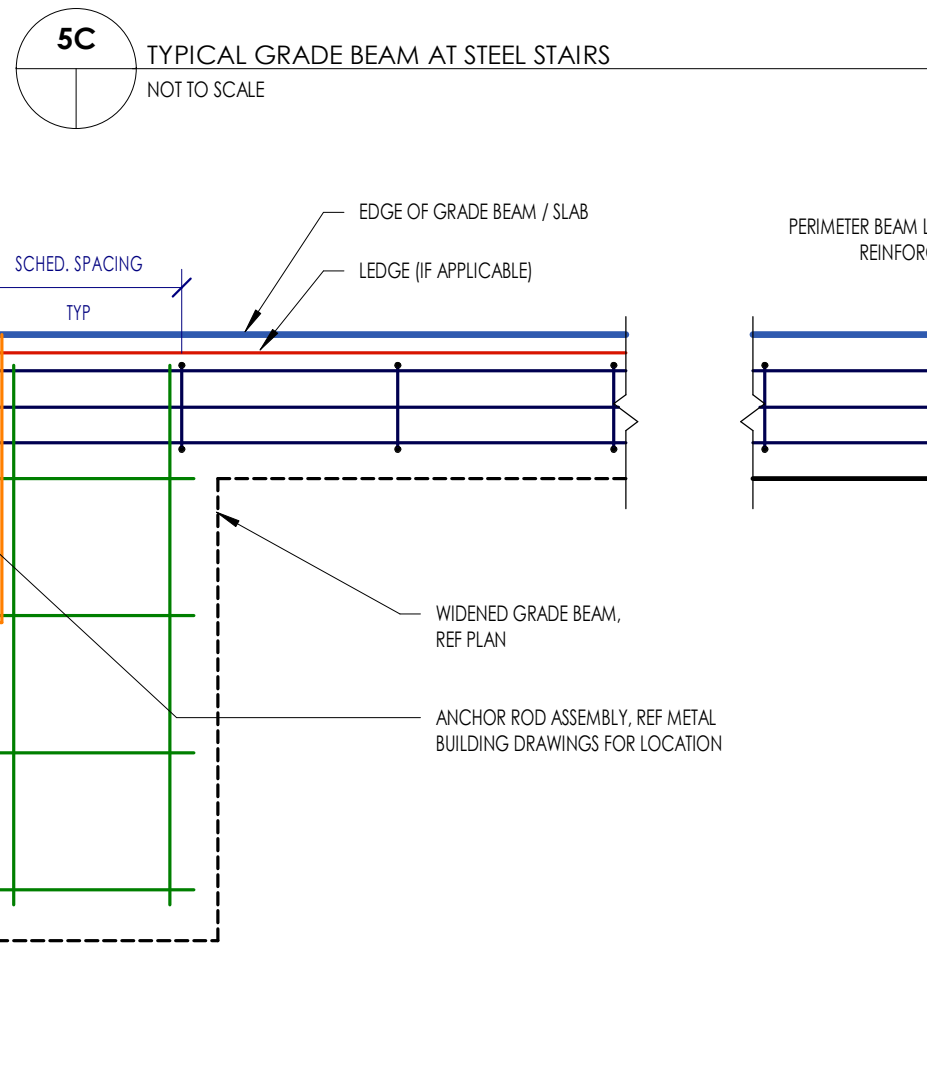
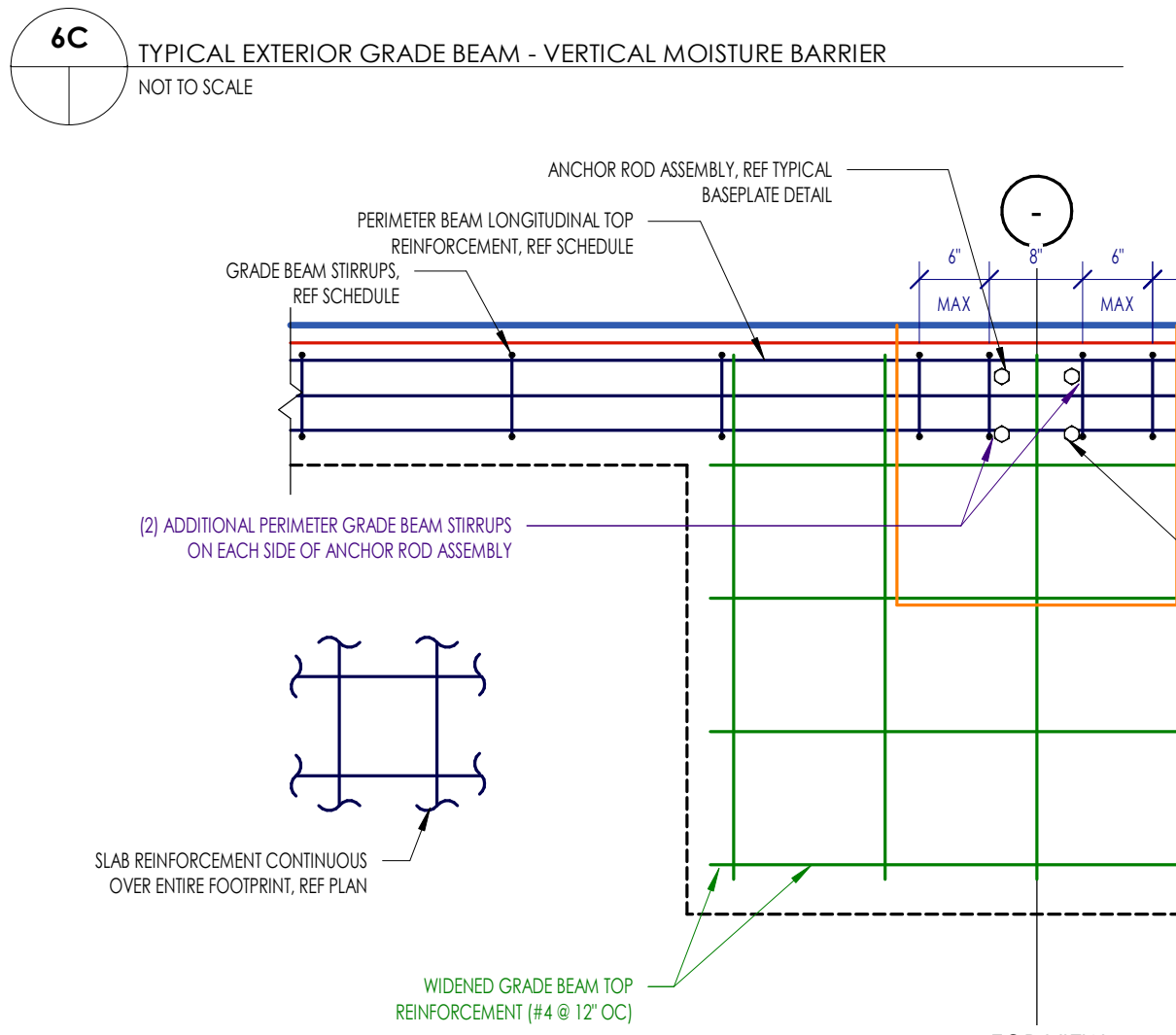
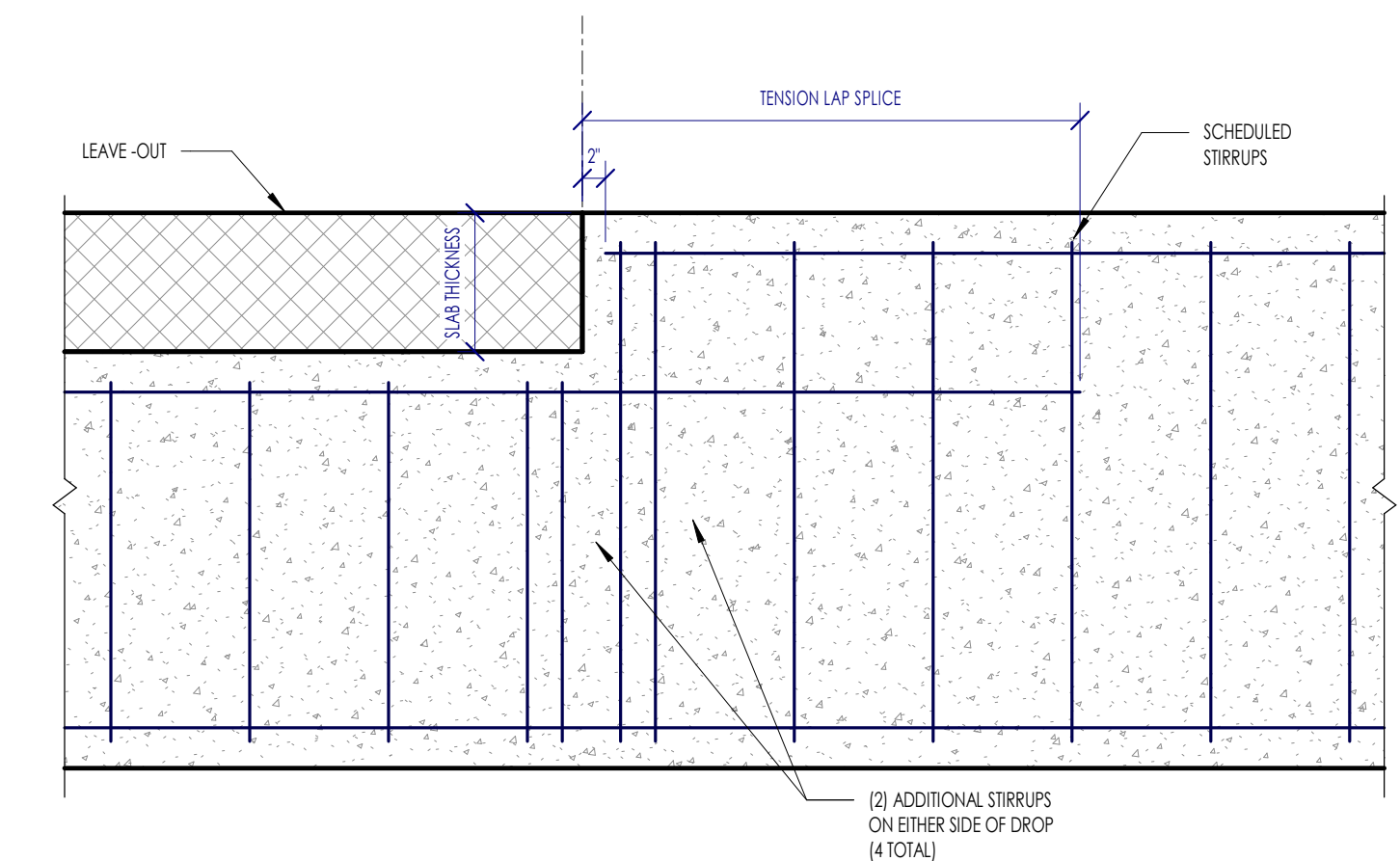
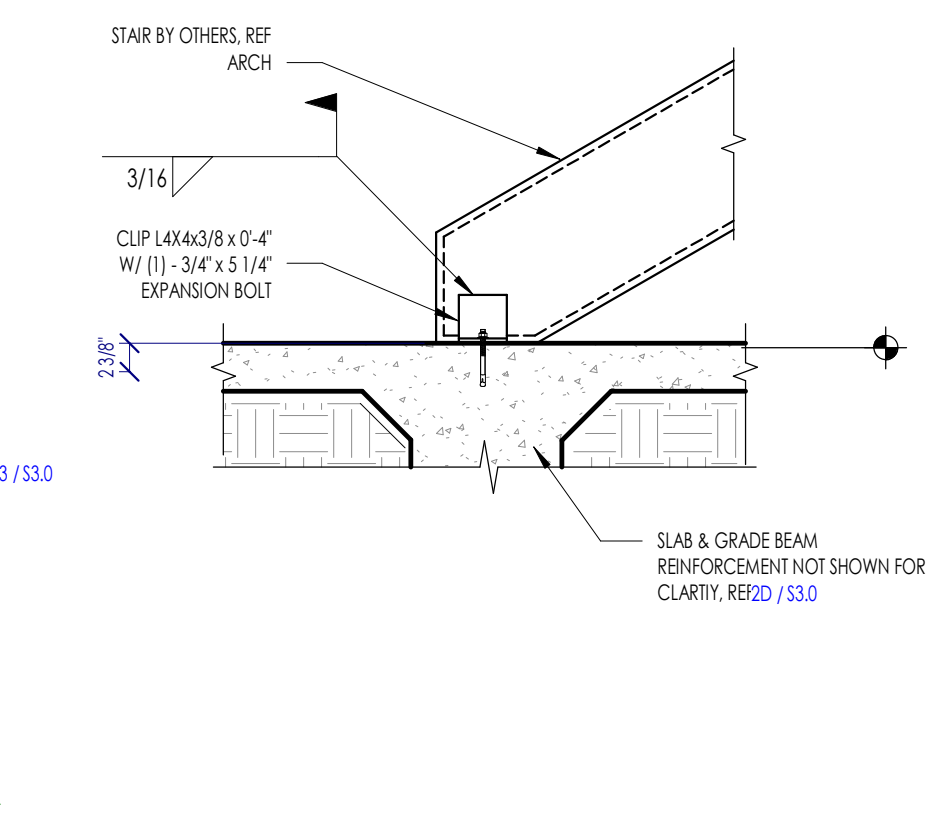
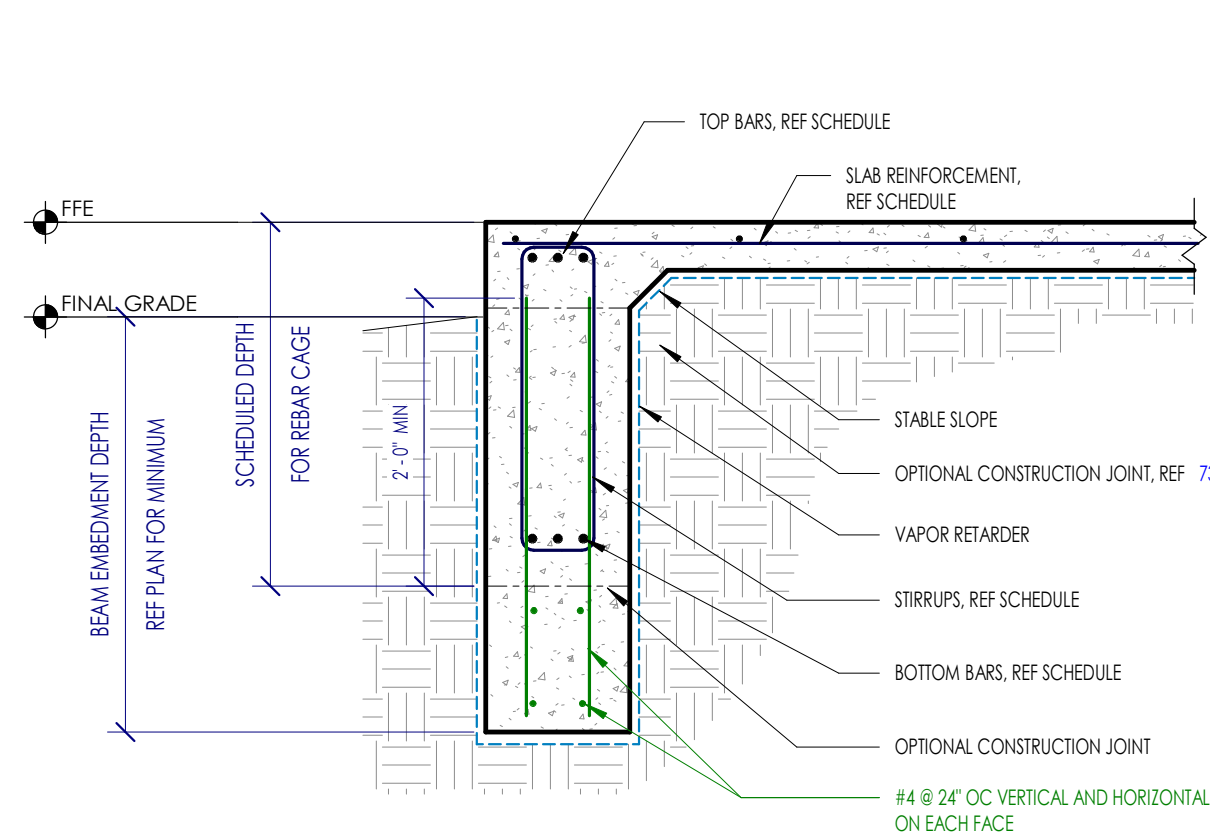
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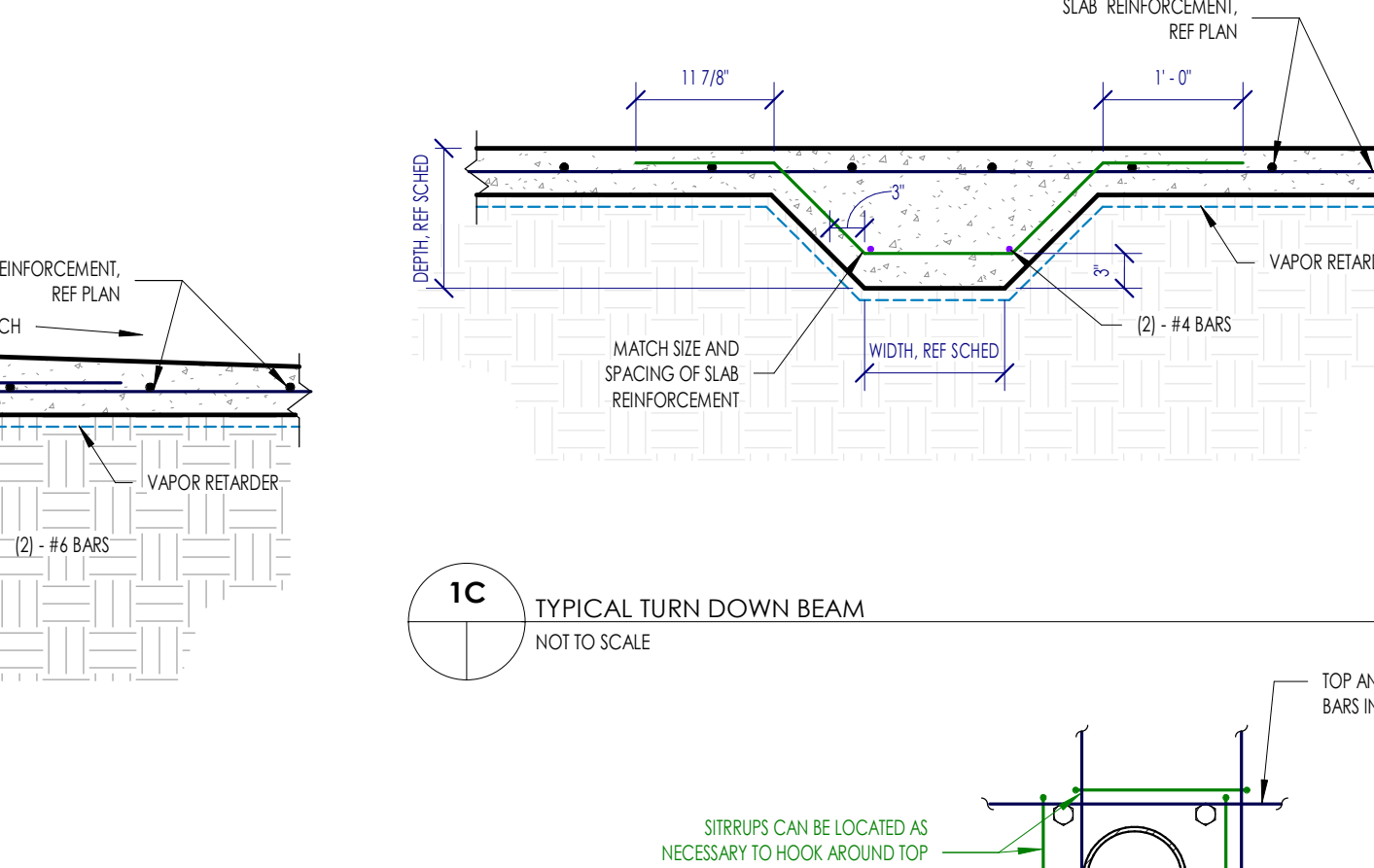
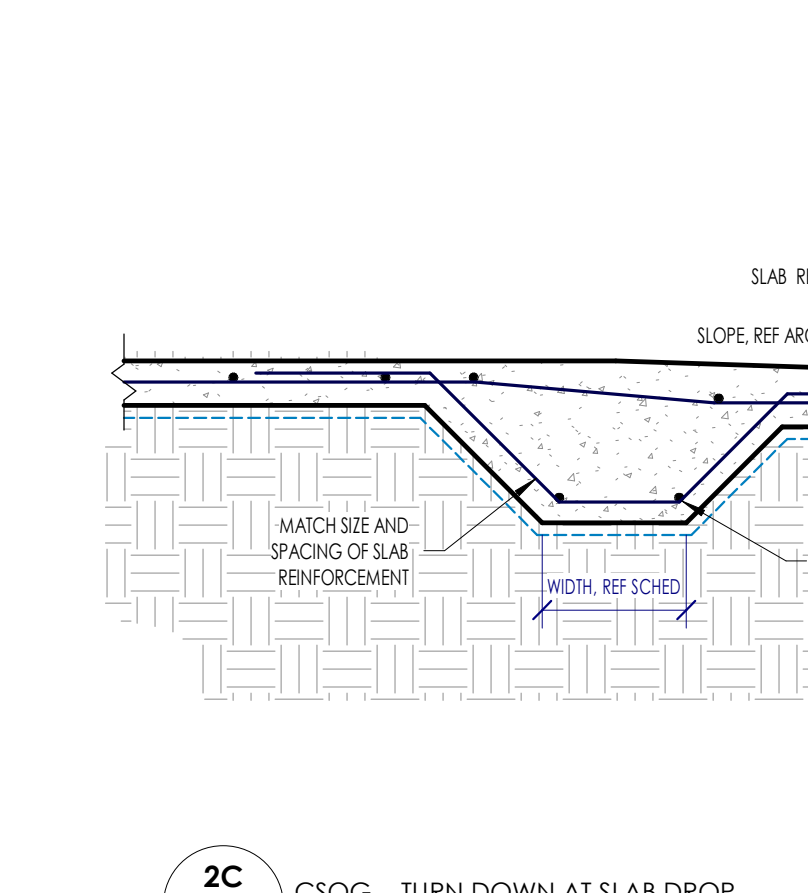
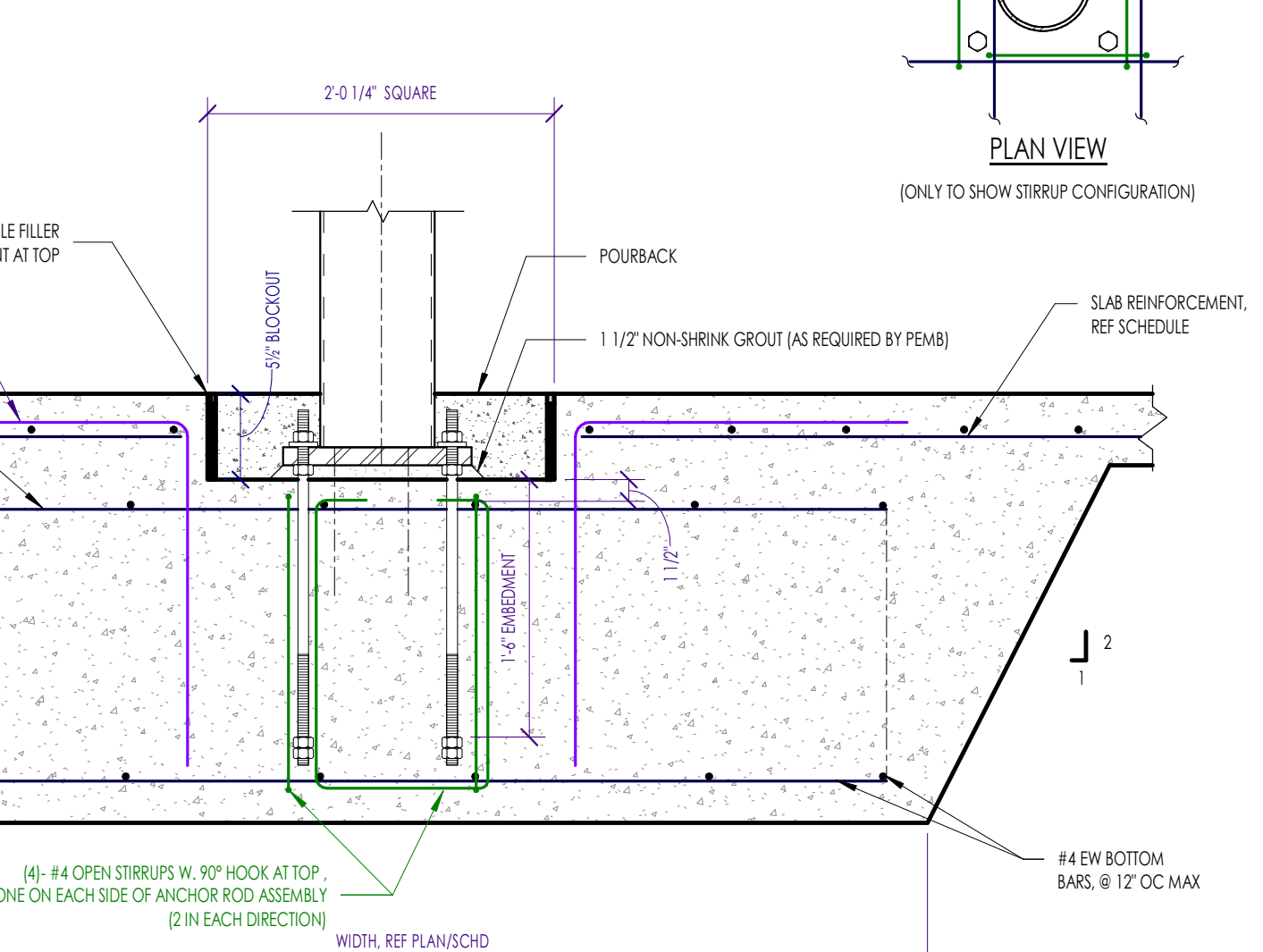
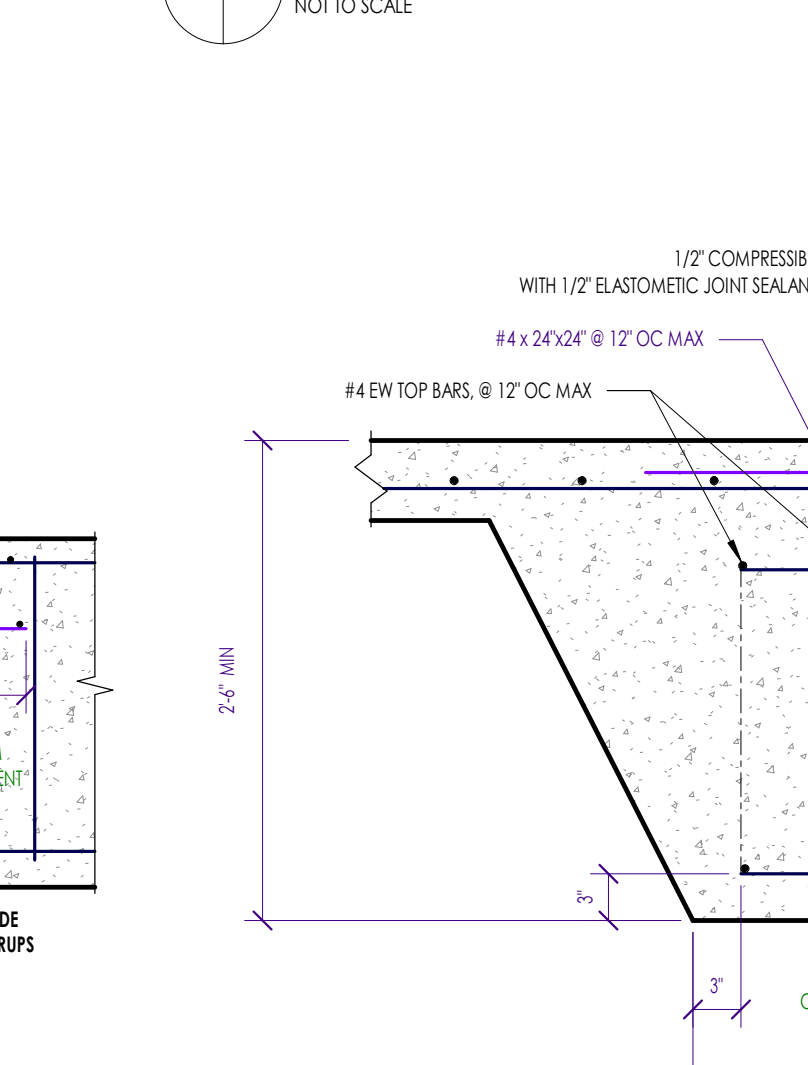
1

1



ANCHOR ROD DIAMETER	HOLE DIAMETER	SQUARE PLATE WASHER SIZE	PLATE WASHER THICKNESS	TYPE B ANCHOR PLATE
5/8"	1 3/16"	1 1/2"	1/4"	PL17X10-4
3/4"	1 5/16"	2"	1/4"	PL17X10-4
7/8"	1 9/16"	2 1/2"	5/16"	PL17X10-4
1"	1 13/16"	3"	3/8"	PL19X10-5
1 1/2"	2 5/16"	3 1/2"	1/2"	PL19X10-5

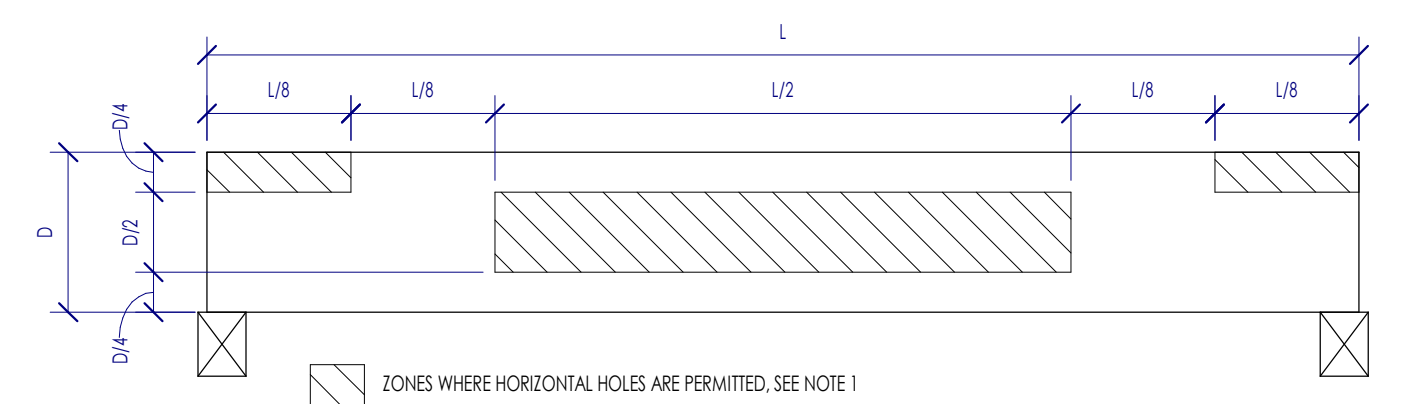
NOTES:  
1. ALL TYPE A ANCHOR RODS SHALL BE F1554 GRADE 36.  
2. ALL TYPE B ANCHOR RODS SHALL BE F1554 GRADE 55.1.  
3. PLATE WASHERS MUST BE WELDED TO THE ANCHOR PLATE WITH MINIMUM 3/16" FLLET WELD ALL AROUND.  
4. EMBEDMENT DEPTH ARE PRELIMINARY. FINAL EMBEDMENT TO BE PROVIDED AFTER REVIEW OF METAL BUILDING REACTIONS.  
5. ALL ANCHOR ROD HOLES SHALL ADHERE TO AISC DESIGN GUIDE 01, TABLE 2.3.  
6. THE DOUBLE NUT MAY BE OMITTED IF THE NUT IS TACK WELDED TO THE ROD.





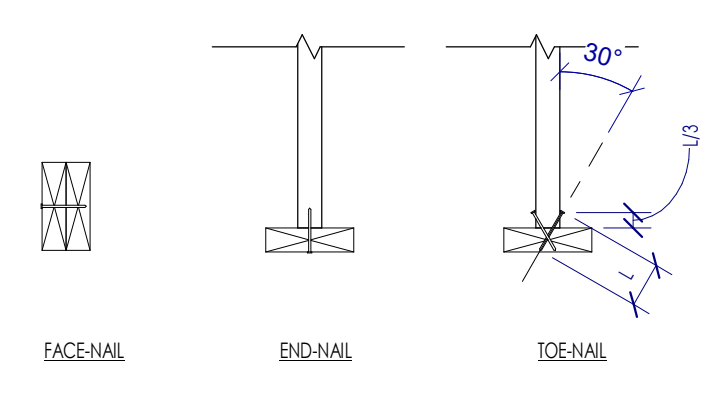
**TYPICAL FASTENING SCHEDULE**

CONNECTION ID	CONNECTION TYPE	FASTENING	FASTENING ORIENTATION
1	JOIST TO BIL OR GIRDER	(2) - 0.131" X 3"	TOENAIL
2	SOLE PLATE TO JOIST OR BLOCKING	0.148" X 3 1/2" NAILS @ 12" OC NAILS	FACE NAIL
3	TOP PLATE TO STUD	(3) - 0.131" X 3" NAILS	END NAIL
4	STUD TO SOLE PLATE - OPTION 1	(2) - 1/4" COMMON   (2) - 0.131" X 3" NAILS	END NAIL
5	STUD TO SOLE PLATE - OPTION 2	(4) 0.131" X 3" NAILS	TOENAIL
6	DOUBLE MULTIPLE STUDS	REFERENCE DETAIL 44/54.1	FACE NAIL
7	DOUBLE TOP PLATES	0.131" X 3" NAILS @ 12" OC	FACE NAIL
8	DOUBLE TOP PLATE SPICE	REFERENCE DETAIL 34/54.1	FACE NAIL
9	BLOCKING BETWEEN JOISTS/RAFTERS TO TOP PLATE	(3) - 0.131" X 3" NAILS	TOENAIL
10	BIM JOIST TO TOP PLATE	0.131" X 3" NAILS @ 6" OC	TOENAIL
11	CeILING JOIST TO TOP PLATE	(3) - 0.131" X 3" NAILS	TOENAIL
12	CeILING JOIST LAP OVER PARTITION	(4) - 0.131" X 3" NAILS	FACE NAIL
13	CeILING JOIST TO PARALLEL RAFTERS	(4) - 0.131" X 3" NAILS	FACE NAIL
14	RAFTER TO TOP PLATE	(3) - 0.131" X 3" NAILS	TOENAIL
15	BUILT-UP CORNER STUDS	0.131" X 3" NAILS @ 16" OC	FACE NAIL
16	BUILT-UP BEAMS	REFERENCE DETAIL 24/54.0	FACE NAIL
17	COLLAR TIE TO RAFTER	(4) - 0.131" X 3" NAILS	FACE NAIL
18	JACK RAFTER TO HP	(4) - 0.131" X 3" NAILS	TOENAIL
19	RAFTER TO RIDGE BOARD/BEAM	(3) - 0.131" X 3" NAILS	TOENAIL
20	BLOCKING AT STUDS	(3) - 0.131" X 3" NAILS EACH SIDE	TOENAIL



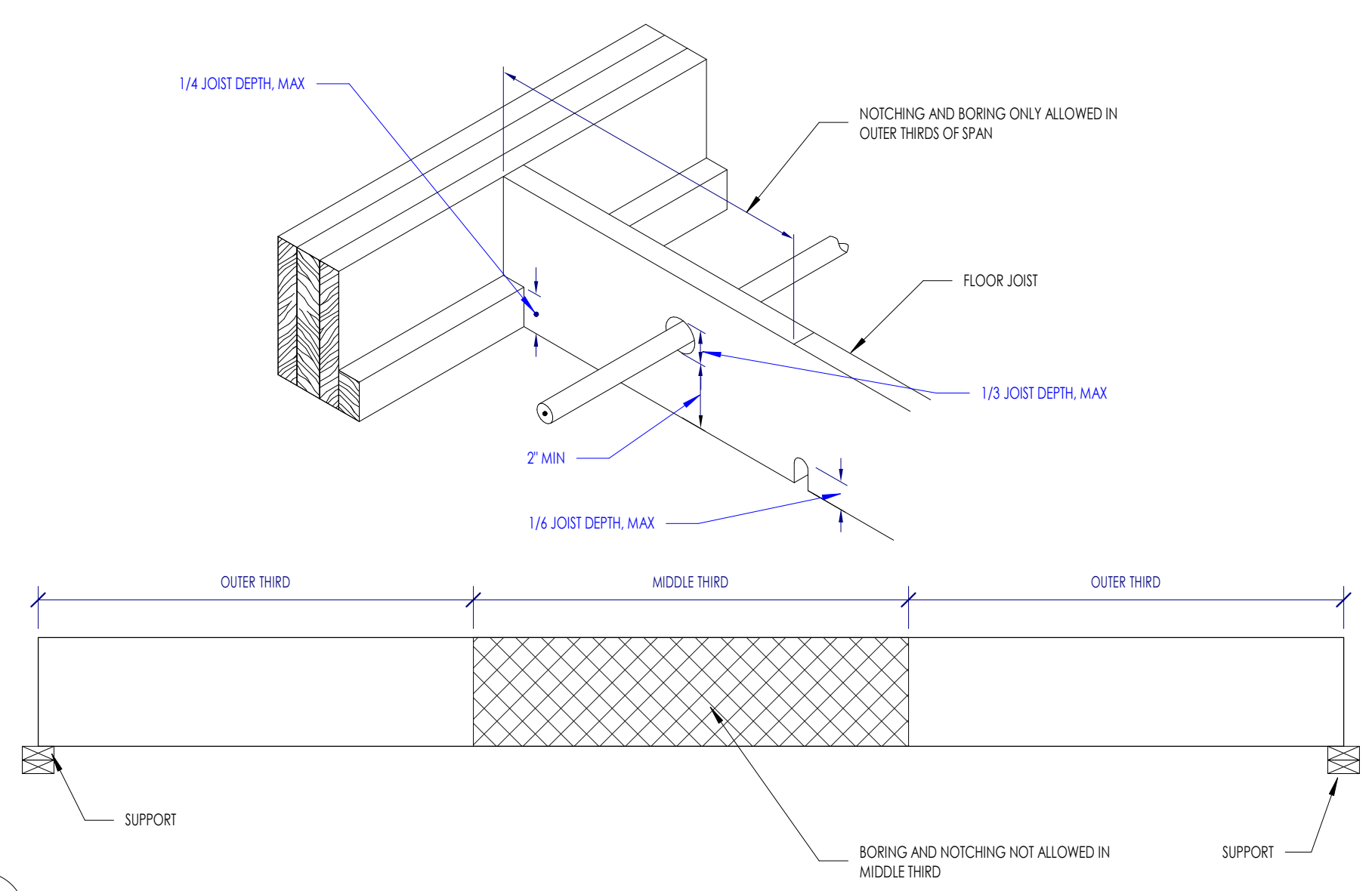
**NOTES:**  
 1. HOLE SIZE: THE HOLE DIAMETER SHALL NOT EXCEED 1/4" OR D/10, WHICHEVER IS SMALLER.  
 2. SPACING: FOR LARGER HOLE DIAMETERS OR FOR HOLES OUTSIDE OF THE PERMITTED ZONES, WRITTEN PERMISSION MUST BE OBTAINED FROM THE EOR.  
 3. LIMITATIONS: THE ABOVE CRITERIA ONLY APPLY TO SIMPLY SUPPORTED, UNIFORMLY LOADED GLUE LAMINATED BEAMS. FOR BEAMS THAT ARE EITHER CONTINUOUS ACROSS MULTIPLE SPANS OR THAT ARE SUPPORTING NON-UNIFORM LOADS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE EOR.

**4E** ALLOWABLE HORIZONTAL HOLE LOCATIONS IN GLUE LAMINATED TIMBER BEAMS  
NOT TO SCALE

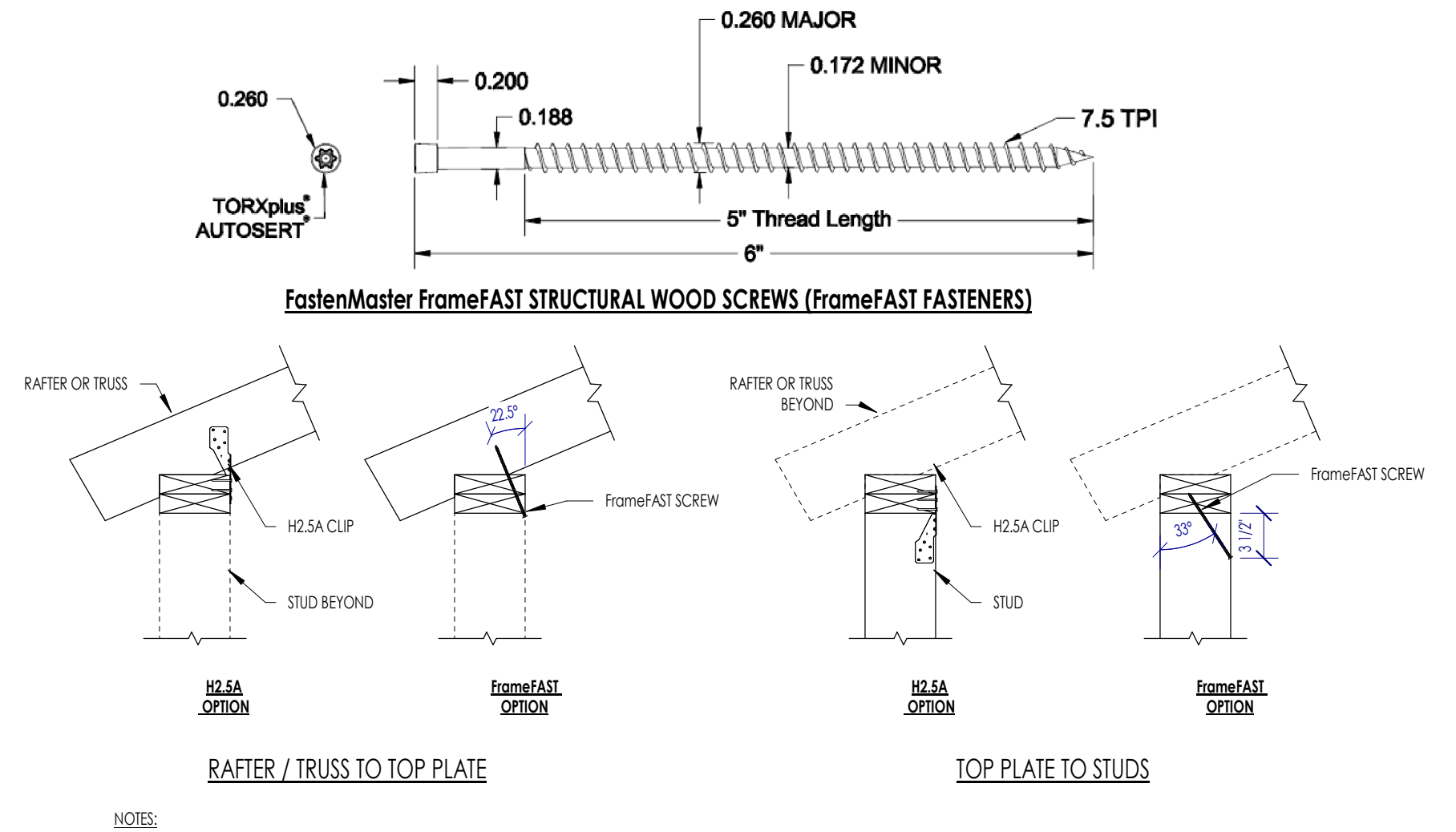


**4D** TYPICAL NAILING CONFIGURATIONS  
NOT TO SCALE

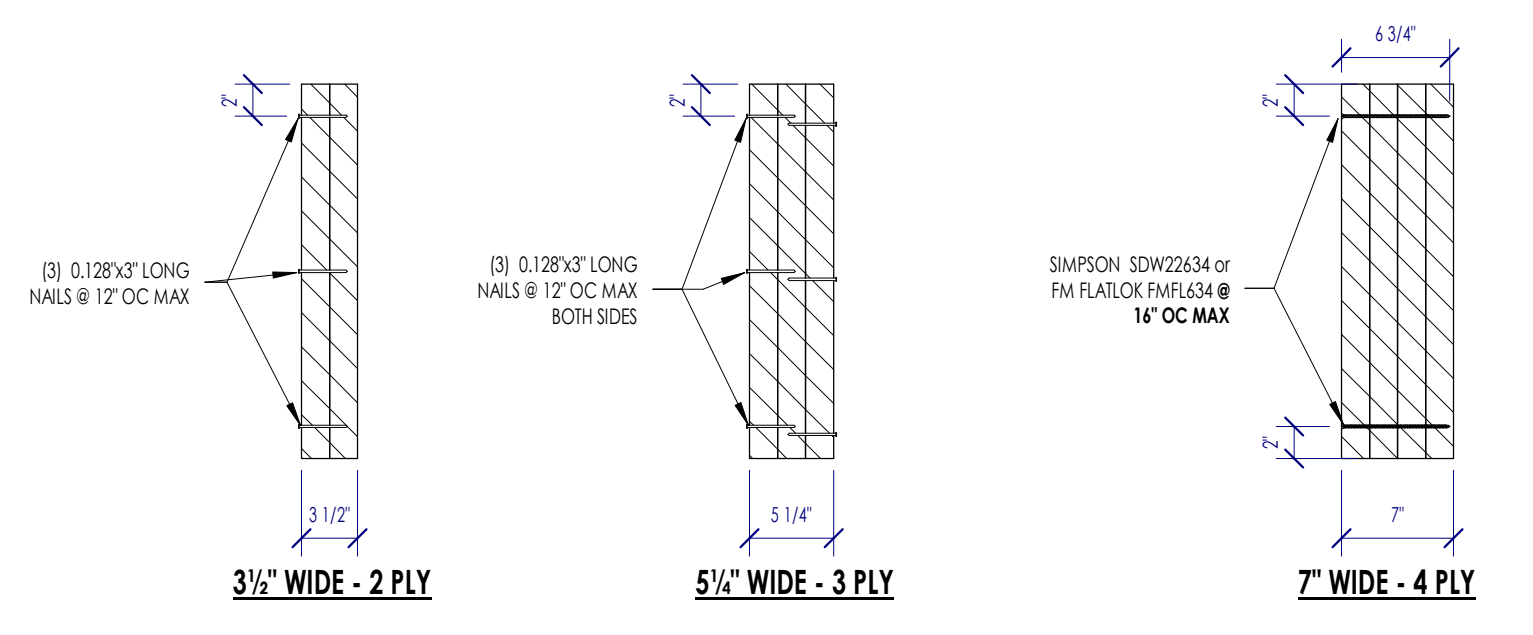
**6D** TYPICAL WOOD FASTENING SCHEDULE  
NOT TO SCALE



**6C** ALLOWABLE NOTCHING AND BORING OF FLOOR JOISTS  
NOT TO SCALE



**4C** ALLOWABLE SUBSTITUTION OF H2.5A CLIPS WITH FrameFAST SCREWS - UPLIFT LOAD PATH  
NOT TO SCALE



**2C** TYPICAL LVL MULTIPLE PLY FASTENING REQUIREMENTS  
NOT TO SCALE

**FASTENER SCHEDULE - TO BEAM TOP FLANGE**

l <sub>1</sub> (ft)	PAF FASTENER	BOLT / ROD*
≤ 0.35	X-41 @ 12" OC	1/2" @ 24" OC
0.35 < l <sub>1</sub> ≤ 0.44	DS-47 @ 12" OC	1/2" @ 24" OC
l <sub>1</sub> > 0.44	N/A	1/2" @ 12" OC

**FASTENER SCHEDULE - TO BEAM WEB / BOTTOM FLANGE**

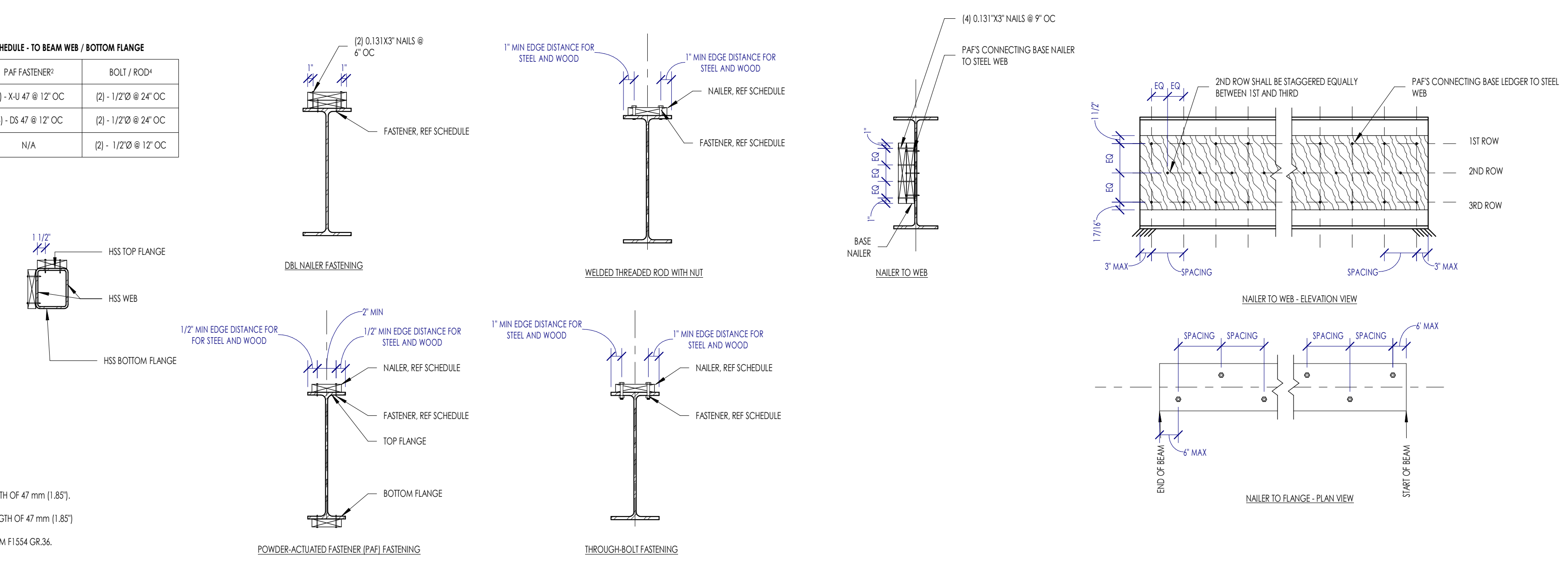
l <sub>2</sub> (ft)	PAF FASTENER	BOLT / ROD*
≤ 0.35	(1) - X-41 @ 12" OC	(2) - 1/2" @ 24" OC
0.35 < l <sub>2</sub> ≤ 0.44	(1) - DS-47 @ 12" OC	(2) - 1/2" @ 24" OC
l <sub>2</sub> > 0.44	N/A	(2) - 1/2" @ 12" OC

**NAILER SCHEDULE - TO BEAM FLANGE**

b (ft)	NAILER SIZE
≤ 5.5	2x4
5.5 < b ≤ 7.25	2x6
l <sub>1</sub> > 7.25	2x8

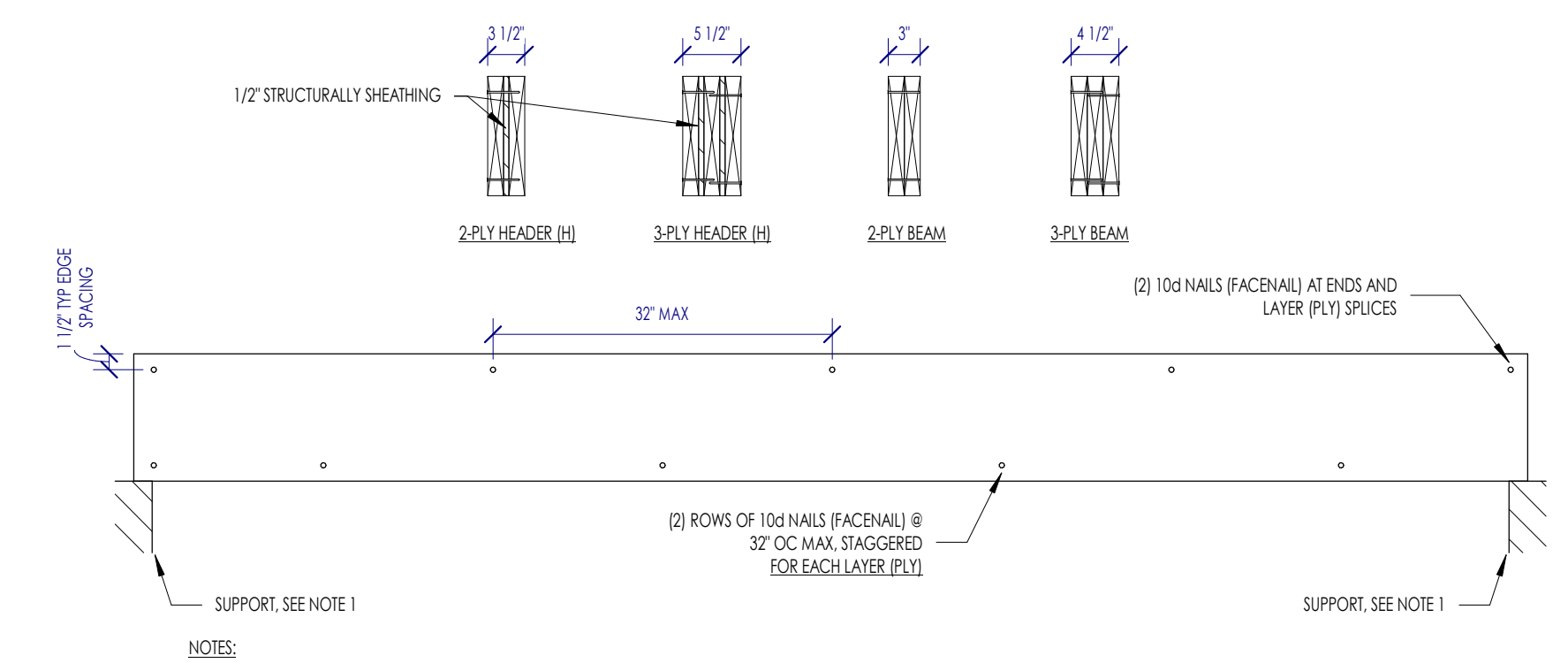
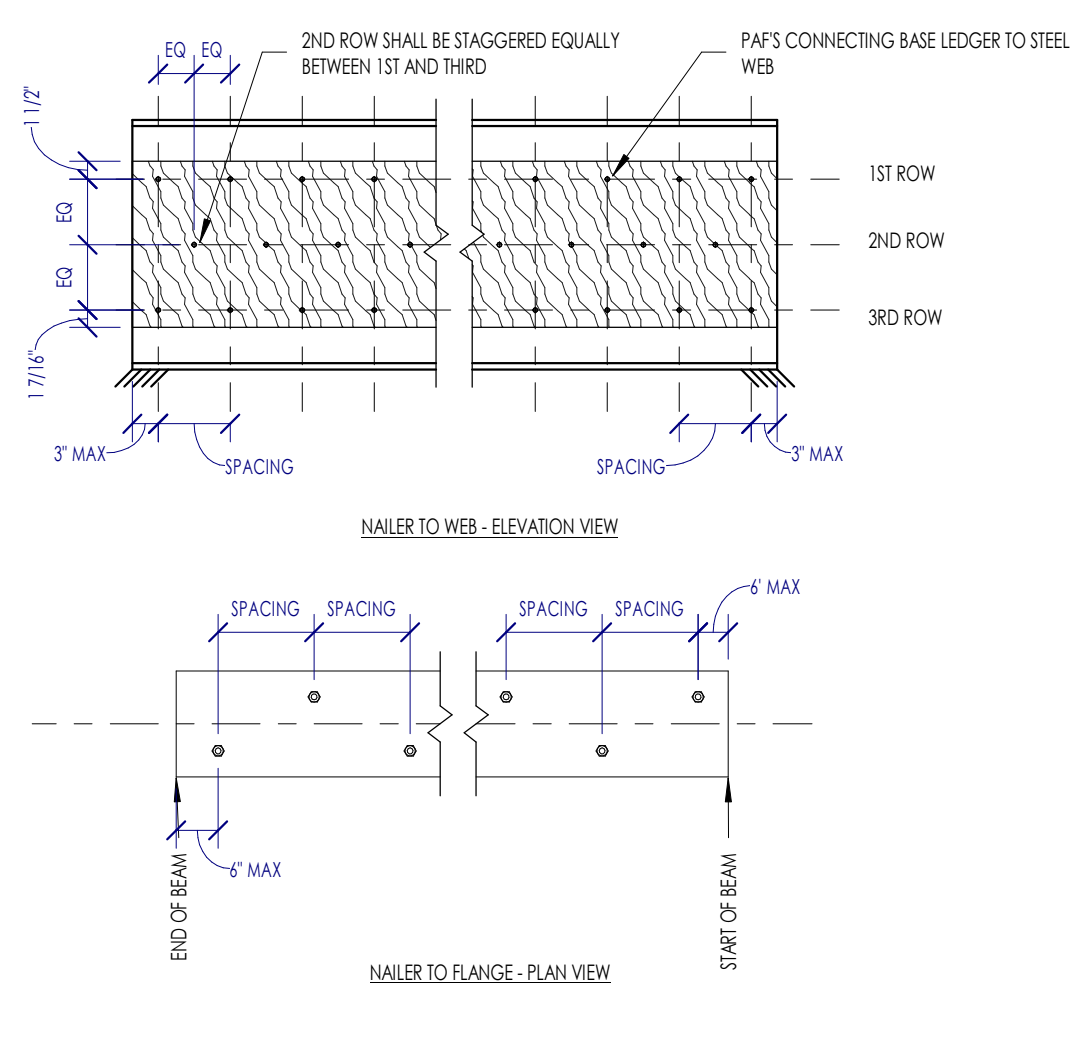
**NAILER SCHEDULE - TO BEAM WEB**

d (ft)	NAILER SIZE
≤ 5.5	2x4
5 < d ≤ 6.75	2x6
6.75 < d ≤ 8.75	2x8
8.75 < d ≤ 10.75	2x10
10.75 < d ≤ 15	(2) - 2x8
15 < d ≤ 19	(2) - 2x10
19 < d ≤ 23	(2) - 2x12
d > 23	(3) - 2x8



**NOTES:**  
 1. ALL FASTENERS SHALL BE STAGGERED.  
 2. FASTENER DESCRIPTIONS: ALL FASTENERS ARE POWDER-ACTUATED FASTENERS MFR'D BY HELI, INC.  
 A. 40147  
 a. UNIVERSAL INKURED SHANK FASTENER WITH A SHANK DIAMETER OF 0.157" AND A SHANK LENGTH OF 47 mm (1.85").  
 B. 40147  
 a. HEAVY DUTY SMOOTH SHANK FASTENER WITH A SHANK DIAMETER OF 0.177" AND A SHANK LENGTH OF 47 mm (1.85").  
 3. FASTENER INSTALLATION SHALL FOLLOW ALL SPECIFICATIONS PER THE MFR.  
 4. THROUGH-BOLTS SHALL BE GALVANNEED ASTM A507 BOLTS. THROUGH-BOLT NUTS SHALL BE GALVANNEED ASTM F1554 GR.36.

**6A** WOOD NAILER TO TOP OF STRUCTURAL STEEL  
NOT TO SCALE



**NOTES:**  
 1. UNLESS NOTED OTHERWISE ON PLAN, REFER TO THE FOLLOWING DETAILS FOR THE SUPPORT FRAMING:  
 A. SUPPORT FOR HEADERS IN EXTERIOR WALLS 42/54.1  
 B. SUPPORT FOR HEADERS IN INTERIOR WALLS 58/54.1  
 C. SUPPORT FOR BEAMS & GIRDERS SUPPORTED BY WALL - REFERENCE BEAM SCHEDULE

**2A** TYPICAL NAILING BUILT-UP BEAMS, GIRDERS & HEADERS  
NOT TO SCALE

TYPICAL WOOD FRAMING DETAILS  
GREATEST PROJECT EVER - SOMEWHERE, TX

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**RENOVATION**  
 Wranglers  
 Owner: Renovation Wranglers  
 102 E 26th St  
 Bryan, TX 77803  
 Kateracason@retime.com | 979.450.9969

**ARCHITECTURE**  
 Architect of Record: LKB Architecture  
 2929 Allen Pkwy Suite 200  
 Houston, TX 77019  
 isa@lkbarchitecture.com | 713.425.3076

**DUDDLEY**  
 Structural: Dudley  
 6102 Imperial Loop Drive  
 College Station, TX 77845  
 (979) 777-0720

**amc**  
 ENGINEERS  
 MEP: AMC Engineers  
 508 E Jackson St # 552  
 Burnet, TX 78611  
 info@amcengineers.com

**openingdesign**  
 Architect: OpeningDesign  
 17 S Fairchild | FL 7  
 Madison, WI 53703  
 ryan@openingdesign.com | 773.425.6456

Date	Description

**S4.0**

**RENOVATION**  
Wranglers  
*Engineers*

Owner: Renovation Wranglers  
102 E 26th St  
Bryan, TX 77803  
Kateleneason@time.com | 979.450.9969

**Architecture**

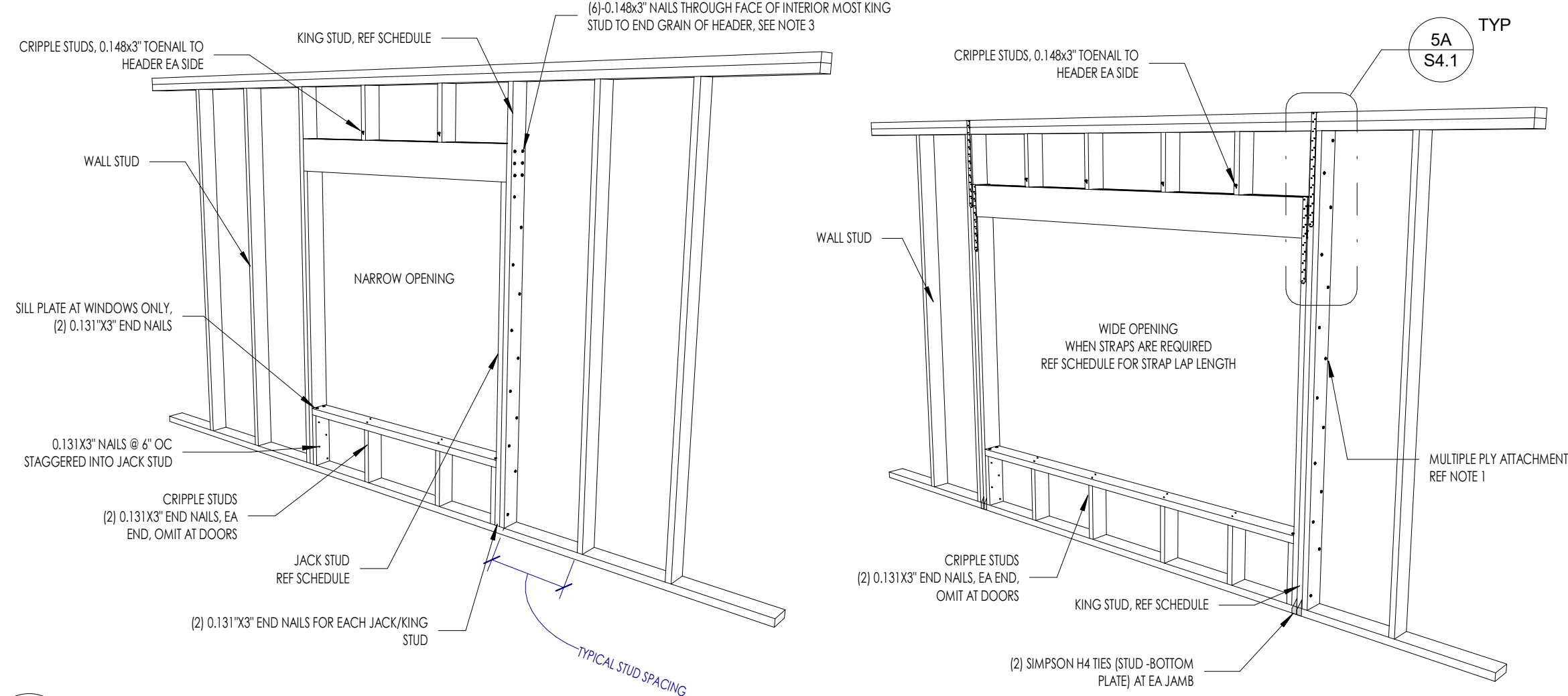
Architect of Record: LKB Architecture  
2929 Allen Pkwy Suite 200  
Houston, TX 77019  
isa@lkbarchitecture.com | 713.425.3076

**DUDLEY**

Structural: Dudley  
6102 Imperial Loop Drive  
College Station, TX 77845  
(979) 777-0720

**amc**  
*ENGINEERS*

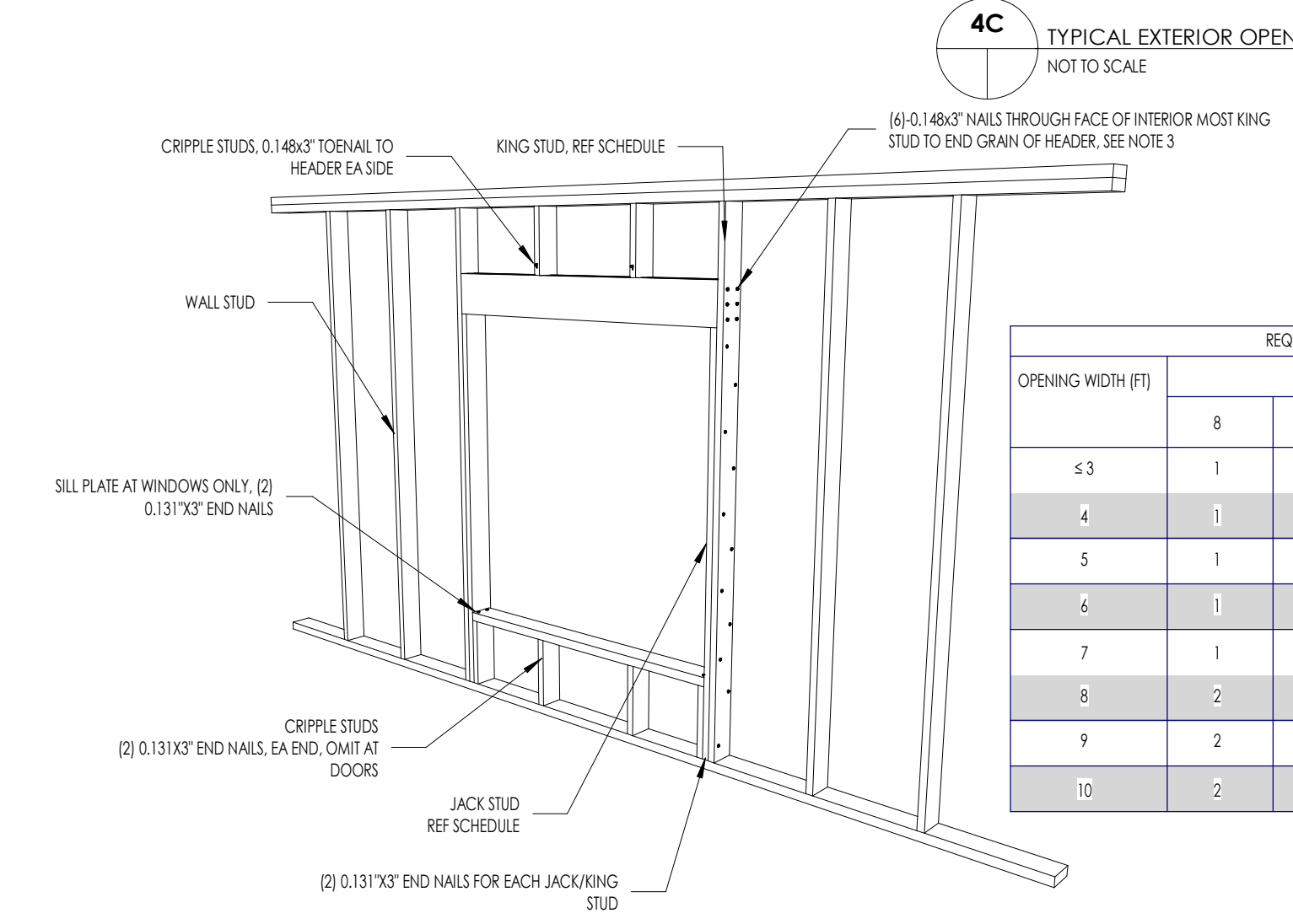
MEP: AMC Engineers  
508 E Jackson St # 552  
Bumet, TX 78611  
info@amcengineers.com



OPENING WIDTH (FT)	REQUIRED NO. OF KING STUDS					NO. JACK STUDS	STRAP LAP LENGTH (IN)
	8	9	10	11	12		
5-3	1	1	1	2	2	1	N/R
4	0	0	1	2	2	1	N/R
5	2	2	2	3	3	1	N/R
6	2	2	3	3	3	1	N/R
7	2	2	3	3	4x6	1	N/R
8	3	3	3	4x6	4x6	2	8
9	3	3	4x6	4x6	4x6	2	8
10	3	3	4x6	4x6	4x6	2	8

OPENING WIDTH (FT)	REQUIRED NO. OF KING STUDS					NO. JACK STUDS	STRAP LAP LENGTH (IN)
	8	9	10	11	12		
5-3	1	1	1	1	1	1	N/R
4	0	0	0	0	0	0	N/R
5	1	1	1	1	1	1	N/R
6	0	0	0	1	2	1	N/R
7	1	1	2	2	2	1	N/R
8	0	0	1	2	2	2	8
9	1	2	2	2	2	2	8
10	0	2	2	2	3	2	8

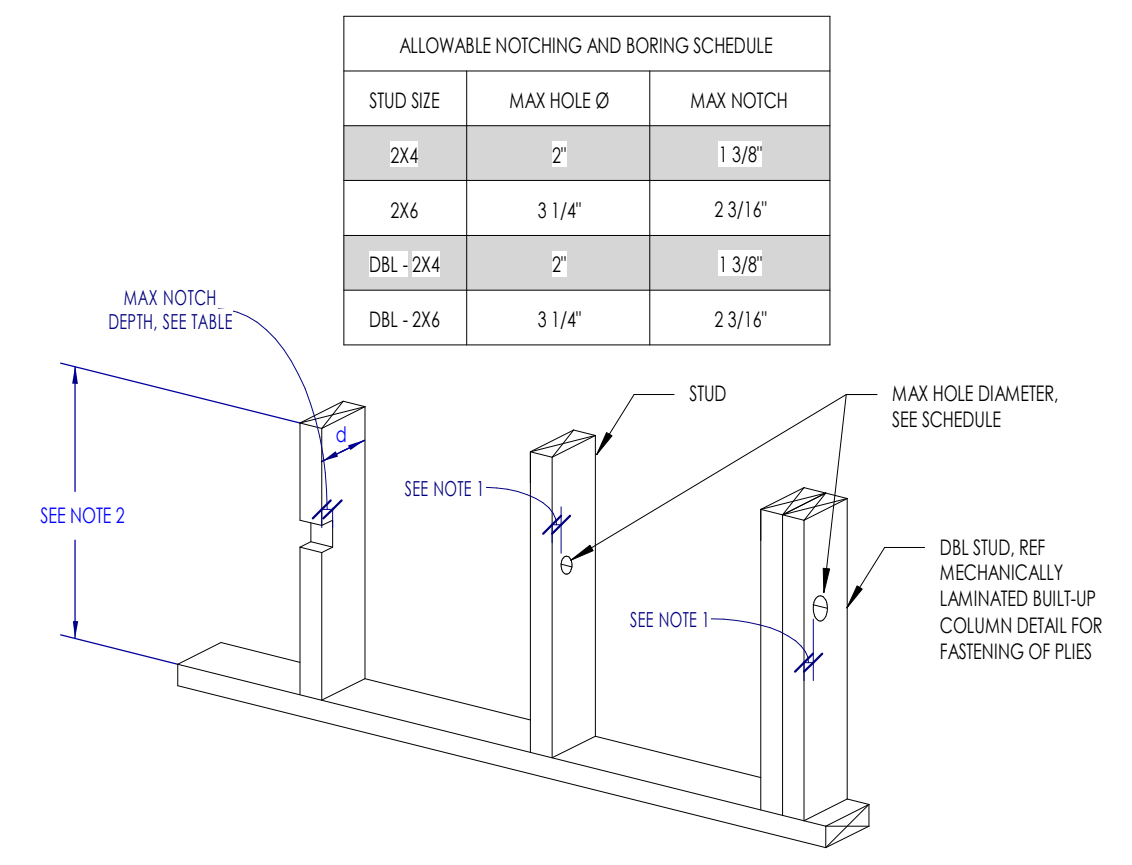
- NOTES:**  
 1. MULTIPLE PILES MUST BE ATTACHED PER THE MECHANICALLY LAMINATED BUILT-UP COLUMN, NAILED DETAIL.  
 2. TABLE IS BASED OFF A HORIZONTAL WIND PRESSURE OF 20 PSF AND GRAVITY LOADING OF 200 PLF.  
 3. WALLS MUST BE CENTERED ON THE NOMINAL PILES OF THE HEADERS.  
 4. N/R = NOT REQUIRED. IF N/R, THEN REFERENCE NARROW OPENING DIAGRAM FOR CONNECTION REQUIREMENTS, OTHERWISE REFERENCE THE WIDE OPENING DIAGRAM.



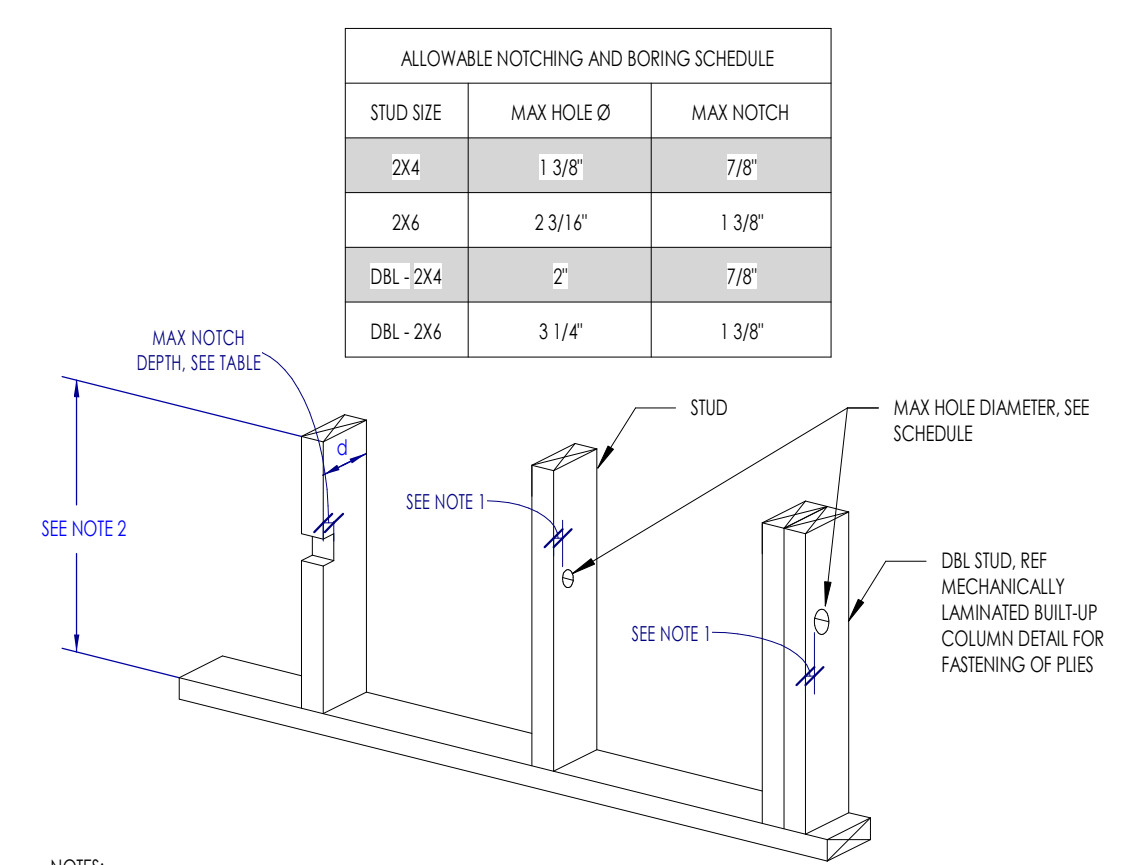
OPENING WIDTH (FT)	REQUIRED NO. OF KING STUDS					NO. JACK STUDS
	8	9	10	11	12	
5-3	1	1	1	1	1	1
4	0	0	0	0	0	0
5	1	1	1	2	2	1
6	0	0	1	2	2	1
7	1	1	2	2	3	1
8	2	2	2	3	3	2
9	2	2	3	3	3	2
10	2	2	3	3	3	2

OPENING WIDTH (FT)	REQUIRED NO. OF KING STUDS					NO. JACK STUDS	HEADER SIZE	
	8	9	10	11	12		2x4 STUD WALL	2x6 STUD WALL
5-3	1	1	1	1	1	1	22H	33H
4	0	0	0	0	0	0	22H	33H
5	1	1	1	2	2	1	22H	33H
6	0	0	1	2	2	1	22H	33H
7	1	1	2	2	3	1	22H	33H
8	2	2	2	3	3	1	2210H	3210H
9	2	2	3	3	3	1	2210H	3210H
10	2	2	3	3	3	1	2210H	3210H

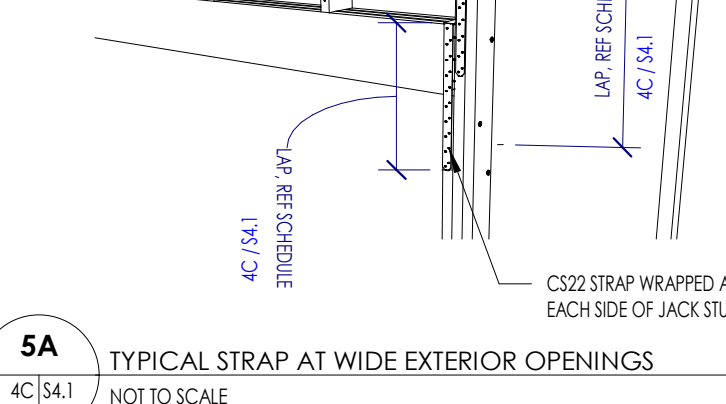
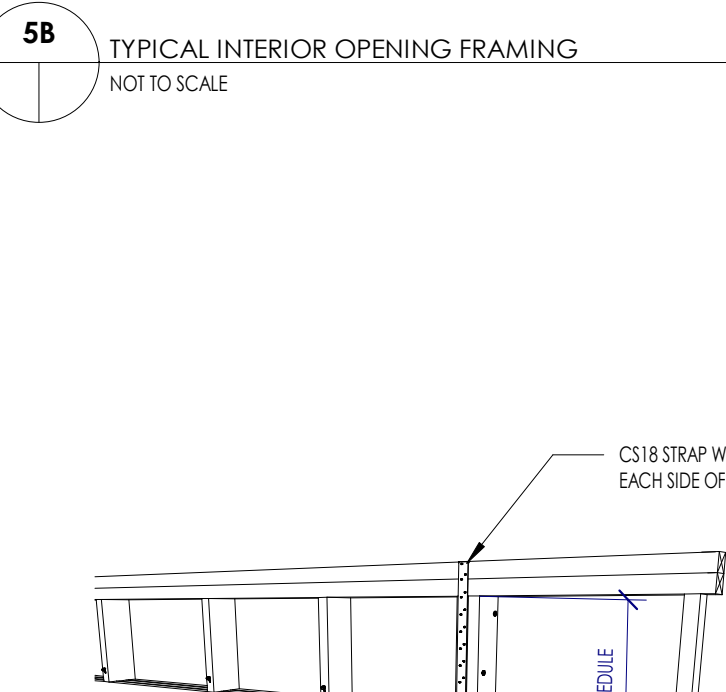
- NOTES:**  
 1. LOAD BEARING WALLS AND ASSOCIATED HEADERS ARE INDICATED ON PLAN.



- ALLOWABLE STUD NOTCHING AND BORING IN INTERIOR NON-LOAD BEARING WALLS**  
 NOT TO SCALE
- NOTES:**  
 1. MIN 5/8" CLEAR EDGE DISTANCE.  
 2. NOTCHES IN EITHER SIDE OF A STUD SHALL NOT BE LOCATED WITHIN THE MIDDLE THIRD OF THE STUD LENGTH.  
 3. NOTCHES AND BORINGS SHALL NOT OCCUR IN THE SAME CROSS SECTION.



- ALLOWABLE STUD NOTCHING AND BORING IN EXTERIOR & LOAD BEARING WALLS**  
 NOT TO SCALE
- NOTES:**  
 1. MIN 5/8" CLEAR EDGE DISTANCE.  
 2. NOTCHES IN EITHER SIDE OF A STUD SHALL NOT BE LOCATED WITHIN THE MIDDLE THIRD OF THE STUD LENGTH.  
 3. NOTCHES AND BORINGS SHALL NOT OCCUR IN THE SAME CROSS SECTION.



**MECHANICALLY LAMINATED BUILT-UP COLUMN (STUD PACK) - NAILED**  
 NOT TO SCALE

ADJACENT NAILS SHALL BE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN.  
 ADJACENT NAILS SHALL BE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN.

BUILT-UP SECTION	NAIL SIZE	SPACING	NO. ROWS	NOTES
[2] - 2x4	0.131 x 2"	6"	1	STAGGERED
[2] - 2x6	0.131 x 3"	8"	2	
[3] - 2x4	0.131 x 4"	6"	1	STAGGERED
[3] - 2x6	0.131 x 4"	8"	2	

**NOTES:**  
 1. END DISTANCE: THE FIRST FASTENERS SHALL BE LOCATED 2" FROM THE END OF THE COLUMN ON EACH END.  
 2. EDGE DISTANCE: 3/4" EDGE DISTANCES ± 1/4"

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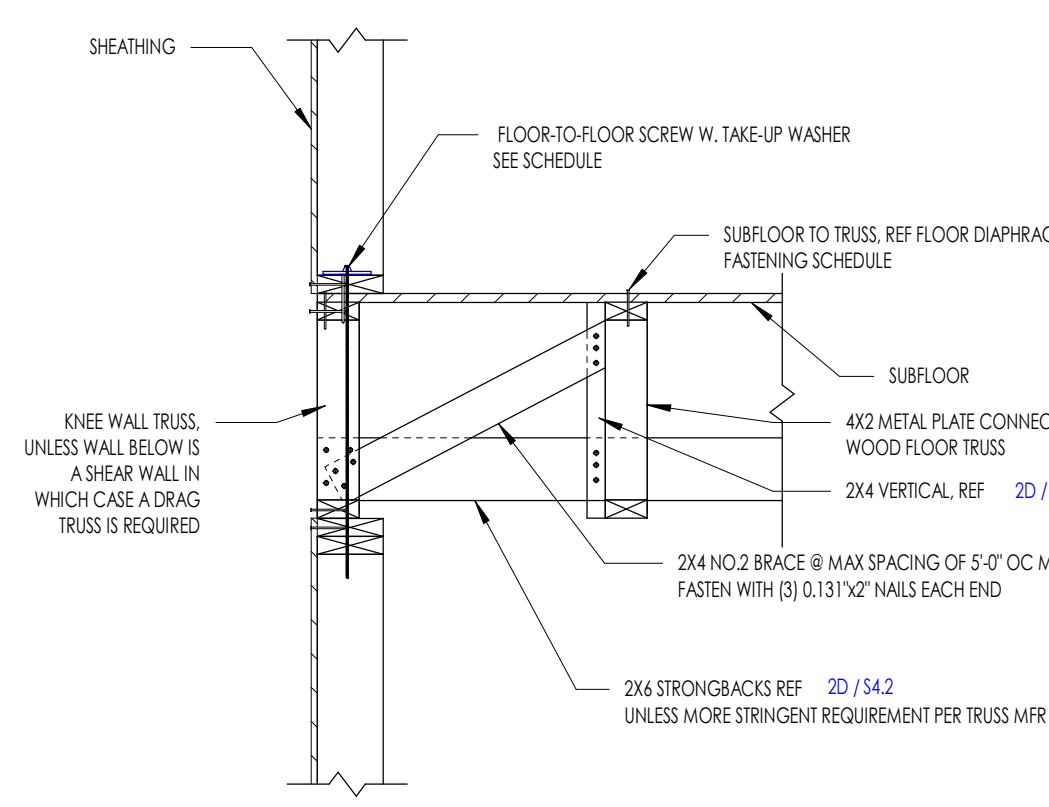
Date	Description

TYPICAL WOOD FRAMING WALL DETAILS  
 GREATEST PROJECT EVER - SOMEWHERE, TX

**S4.1**

17 | 2020-2019 | 01 | 10 | 2020 | Updated Permittal, Permitting, Mechanical, Electrical, Plumbing, and Fire Department Comments and Resubmittals. 2020-2019 | 01 | 10 | 2020 | 10:08 AM  
 17 | 2020-2019 | 01 | 10 | 2020 | 10:08 AM

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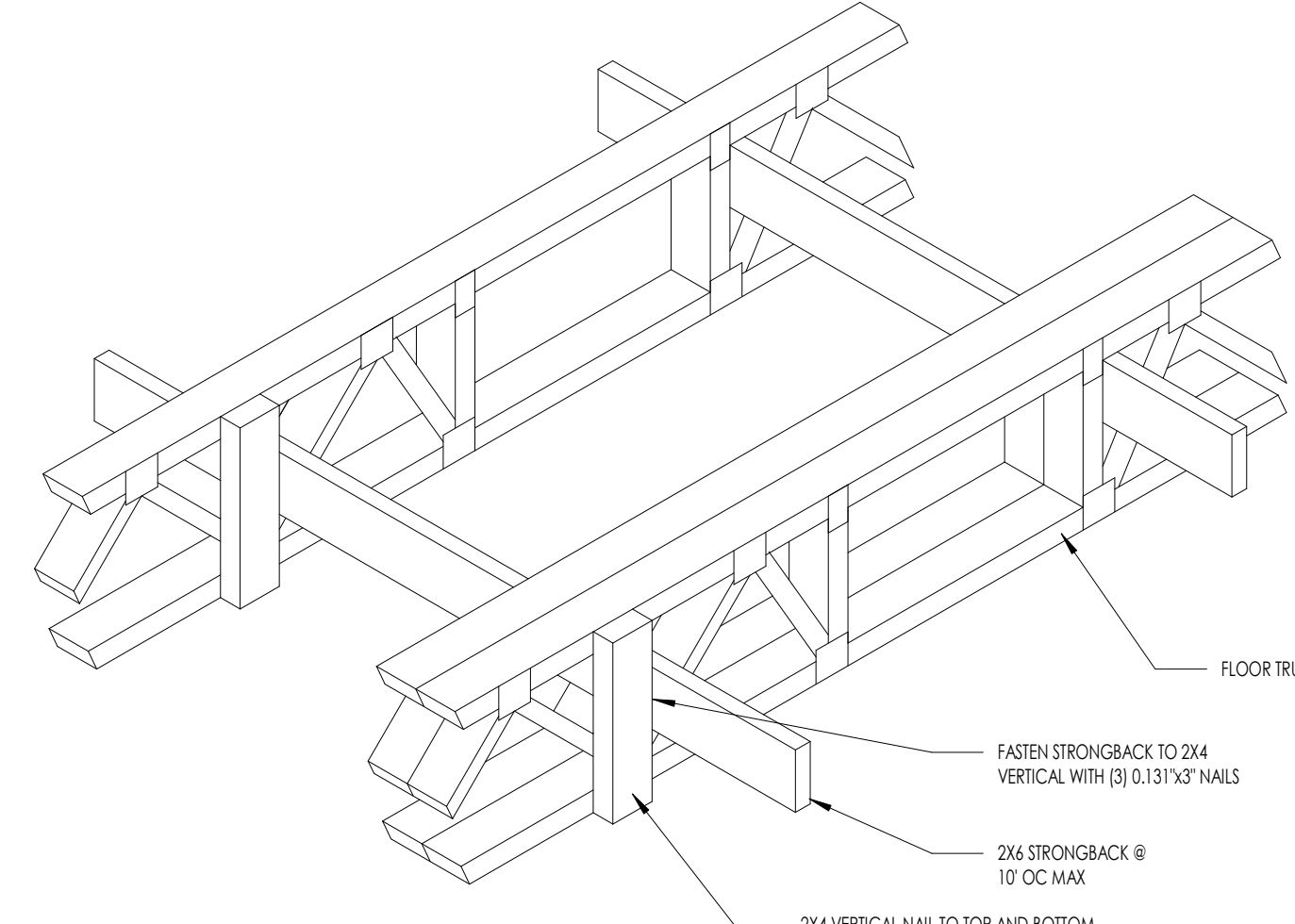


**FLOOR-TO-FLOOR SCREW SCHEDULE**

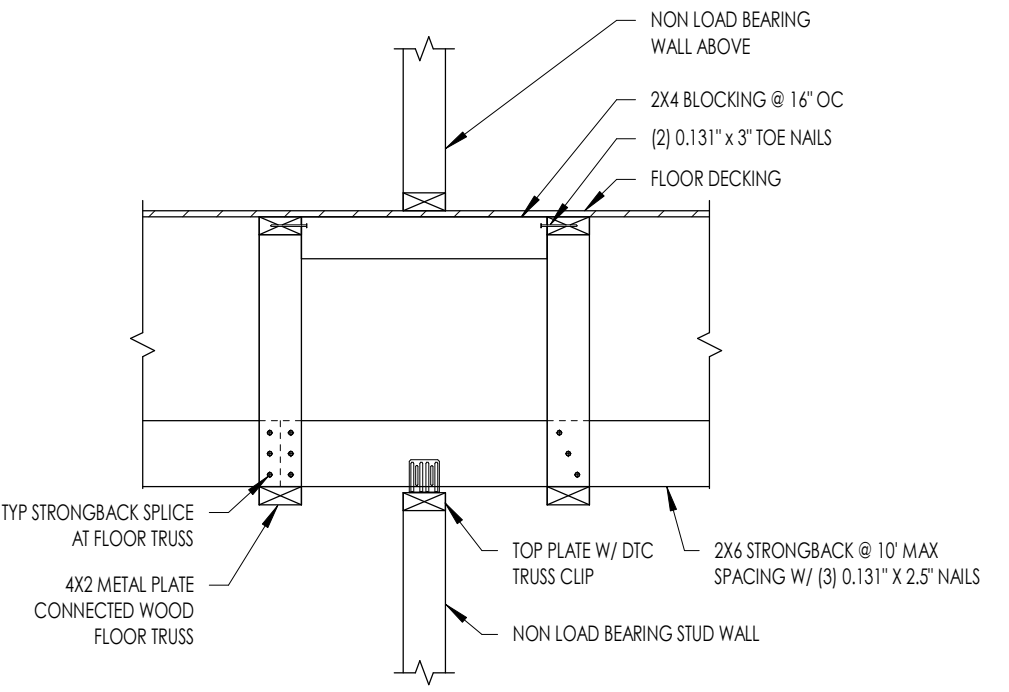
12" < TRUSS DEPTH ≤ 14"	SIMPSON SDWF2720-TUM
14" < TRUSS DEPTH ≤ 18"	SIMPSON SDWF2726-TUM
18" < TRUSS DEPTH ≤ 24"	SIMPSON SDWF2730-TUM

**NOTES:**  
1. REFERENCE GENERAL NOTES FOR WOOD SHRINKAGE NOTES AND SPECIFICATIONS. IF THE FRAMING HAS A MC HIGHER THAN 1.95 WHEN THE SHEATHING IS APPLIED, IT MAY LEAD TO BUCKLING OF THE SHEATHING AND/OR THE CLADDING. CONTRACTOR TO QC FRAMING MC PRIOR TO INSTALLING WALL SHEATHING.

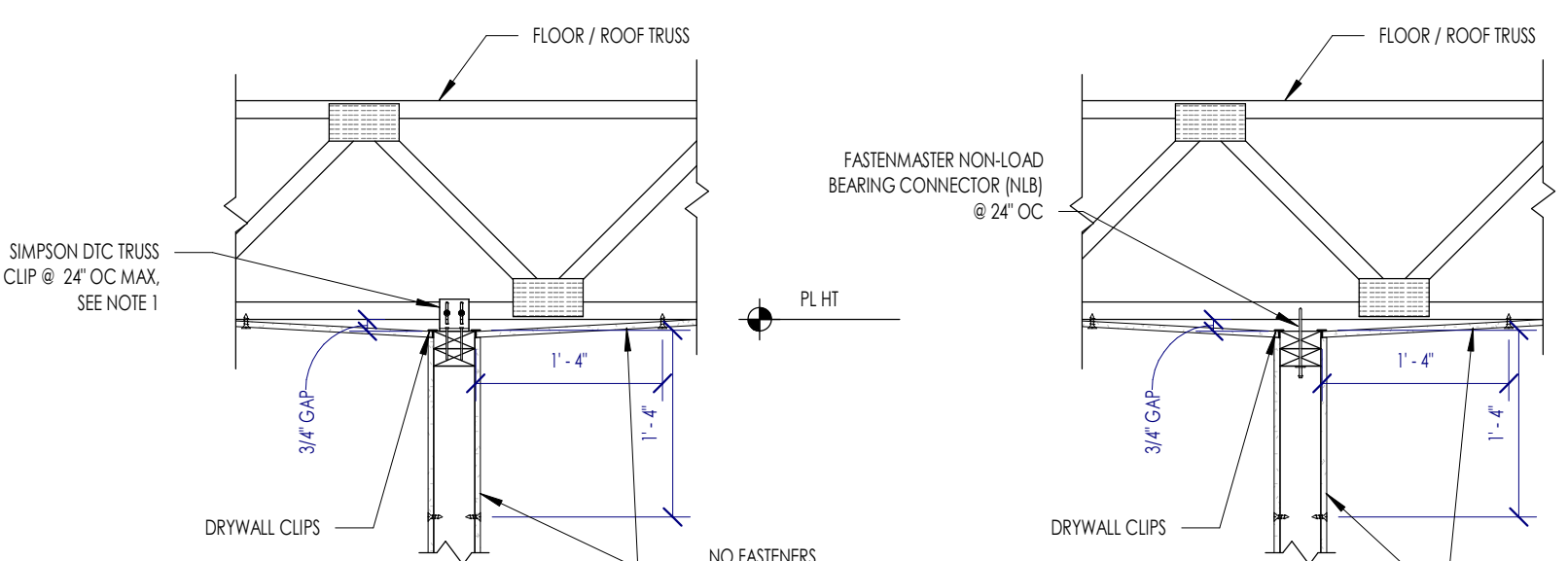
**4D** TYPICAL FLOOR TRUSS PARALLEL TO EXTERIOR WALL - MULTI-STORY  
NOT TO SCALE



**2D** TYPICAL TRUSS STRONGBACK  
NOT TO SCALE

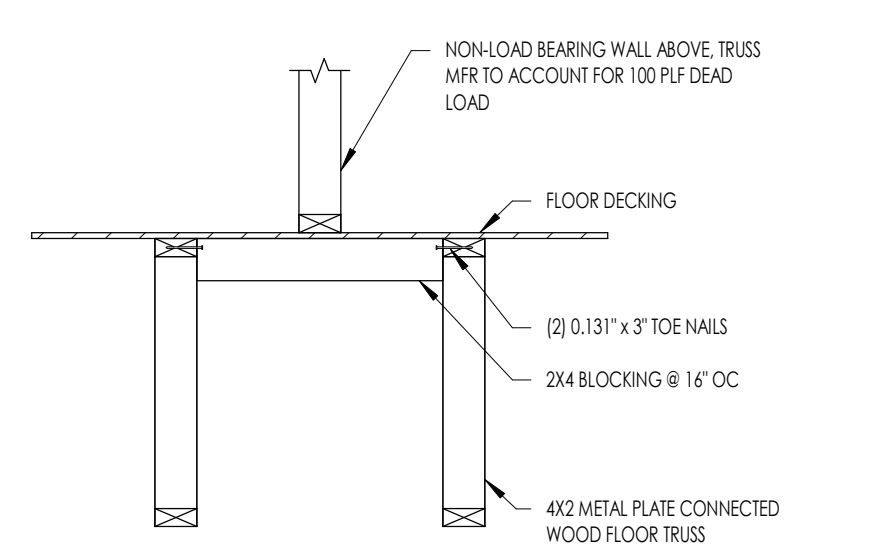


**5C** TYPICAL NON-LOAD BEARING WALL PARALLEL TO FLOOR TRUSSES  
NOT TO SCALE

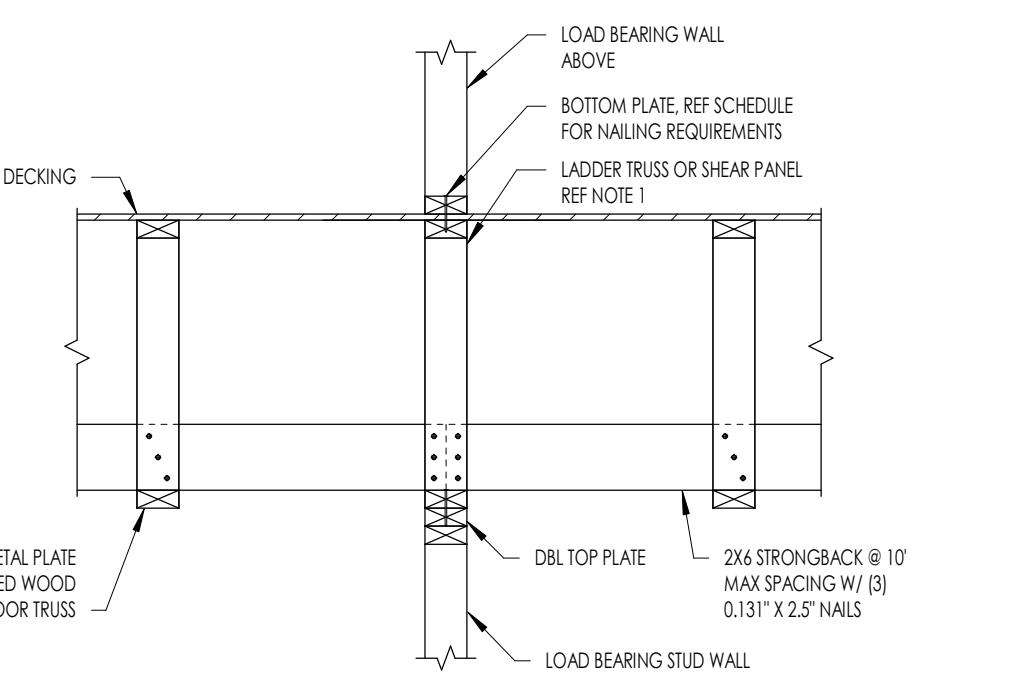


**NOTES:**  
1. PROVIDE (4) #4 @ 12" O.C. (2) 2"x2" LONG NAILS AT BASE AND (2) AT TOP.  
2. NAILS SHALL NOT BE DRIVEN COMPLETELY FLUSH AGAINST THE CLIP. LEAVE 1/16" GAP.

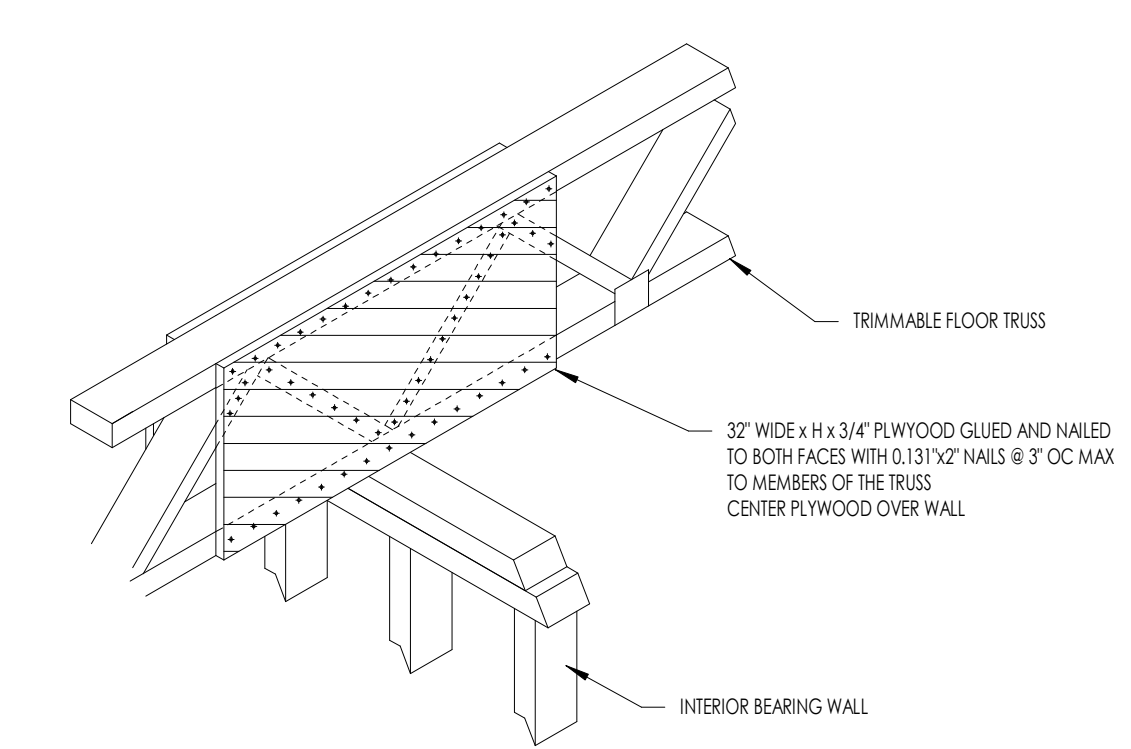
**4C** TYPICAL NON-LOAD BEARING WALL ATTACHMENT TO PERPENDICULAR FLOOR TRUSS  
NOT TO SCALE



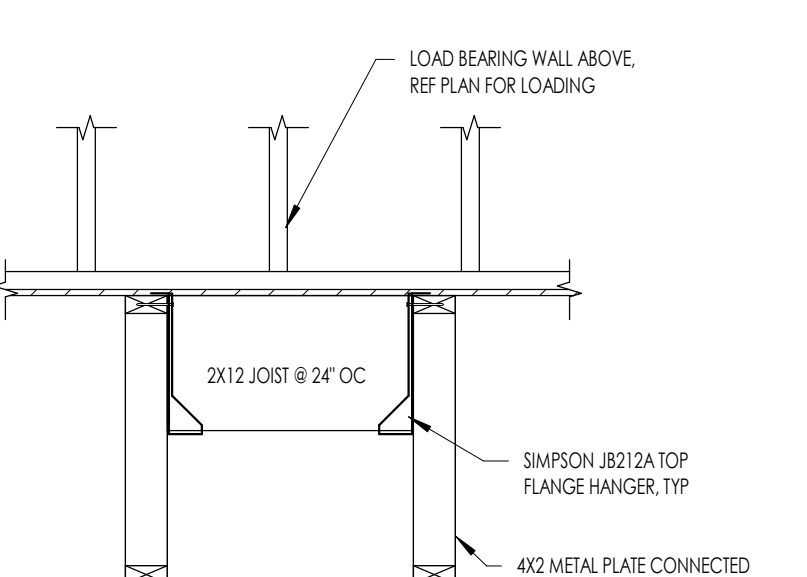
**2C** TYPICAL NON-LOAD BEARING WALL PARALLEL TO FLOOR TRUSS  
NOT TO SCALE



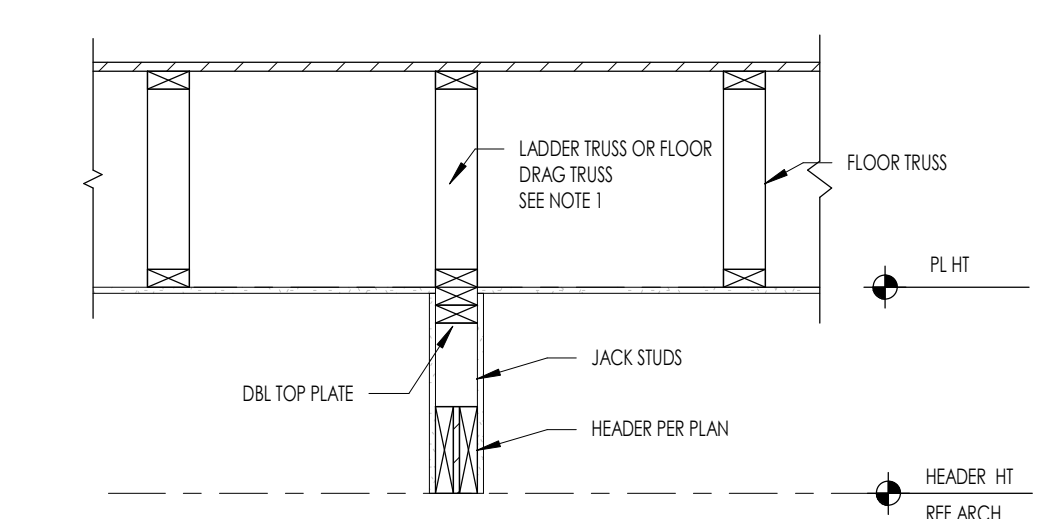
**1C** TYPICAL LOAD BEARING WALL PARALLEL TO FLOOR TRUSSES  
NOT TO SCALE



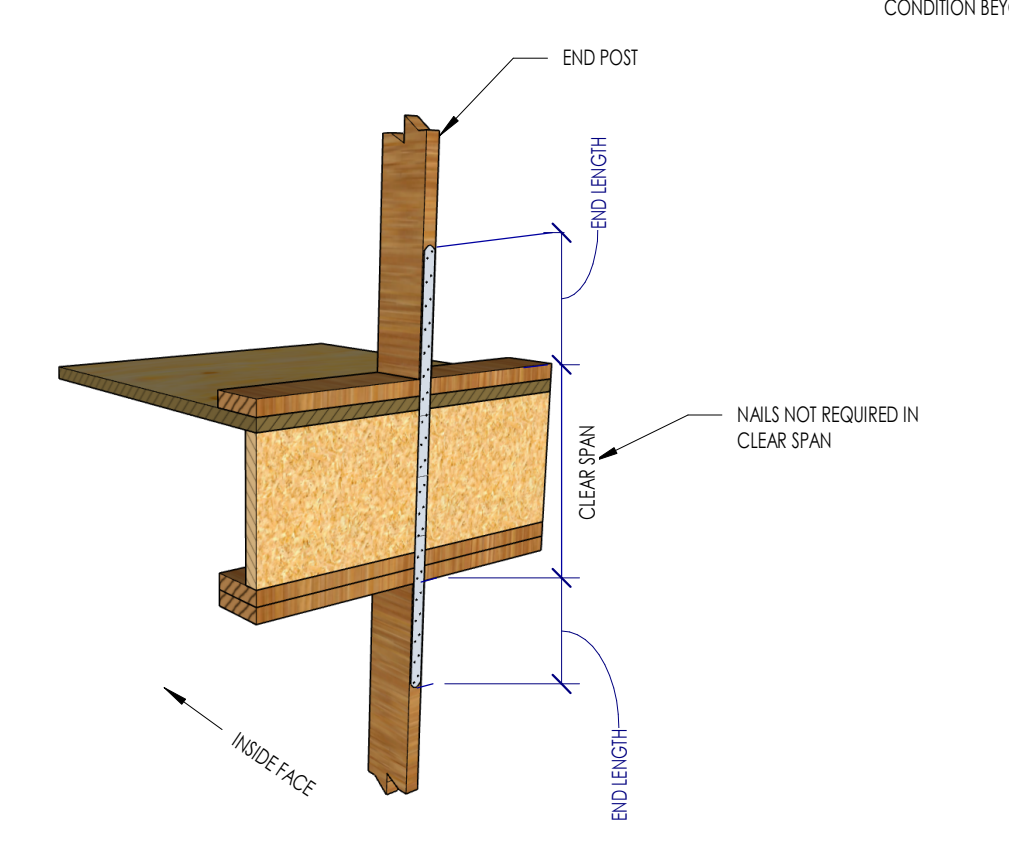
**1B** TYPICAL TRIMMABLE TRUSS STIFFENING AT INTERIOR SUPPORT  
NOT TO SCALE



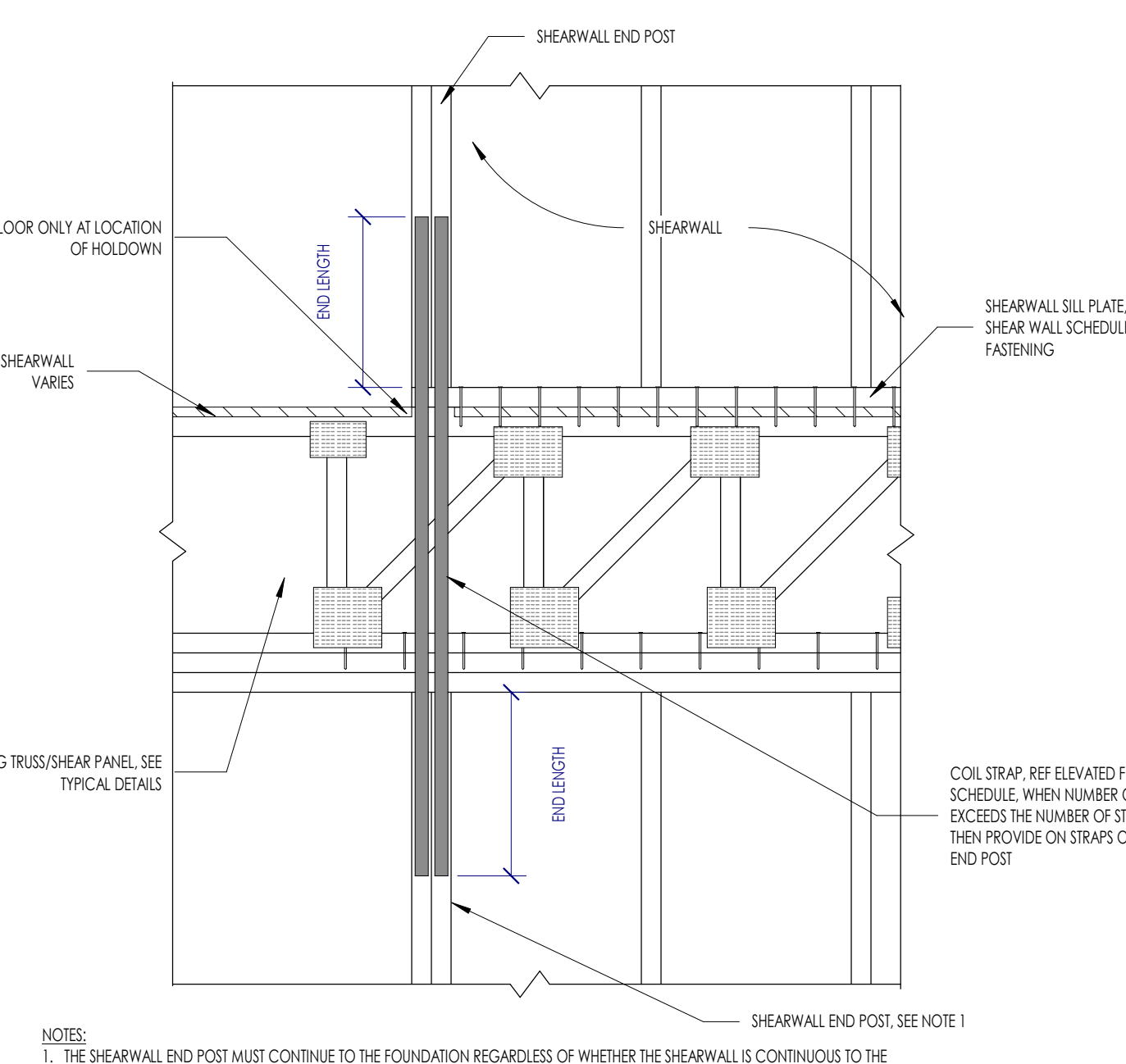
**3B** TYPICAL LOAD BEARING WALL PERP. TO FLOOR TRUSS  
NOT TO SCALE



**2B** TYPICAL LOAD BEARING HEADER PARALLEL TO FLOOR TRUSSES  
NOT TO SCALE

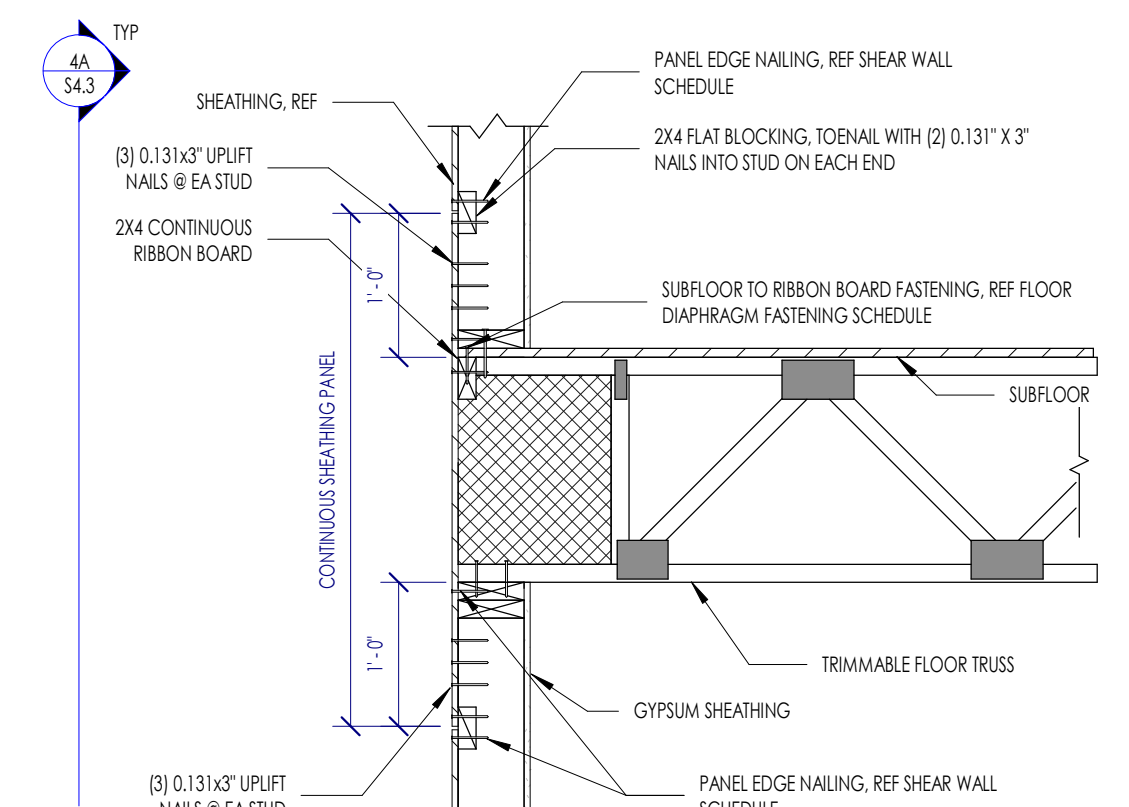


**6A** TYPICAL SHEARWALL HOLDDOWN AT ELEVATED FLOOR  
NOT TO SCALE



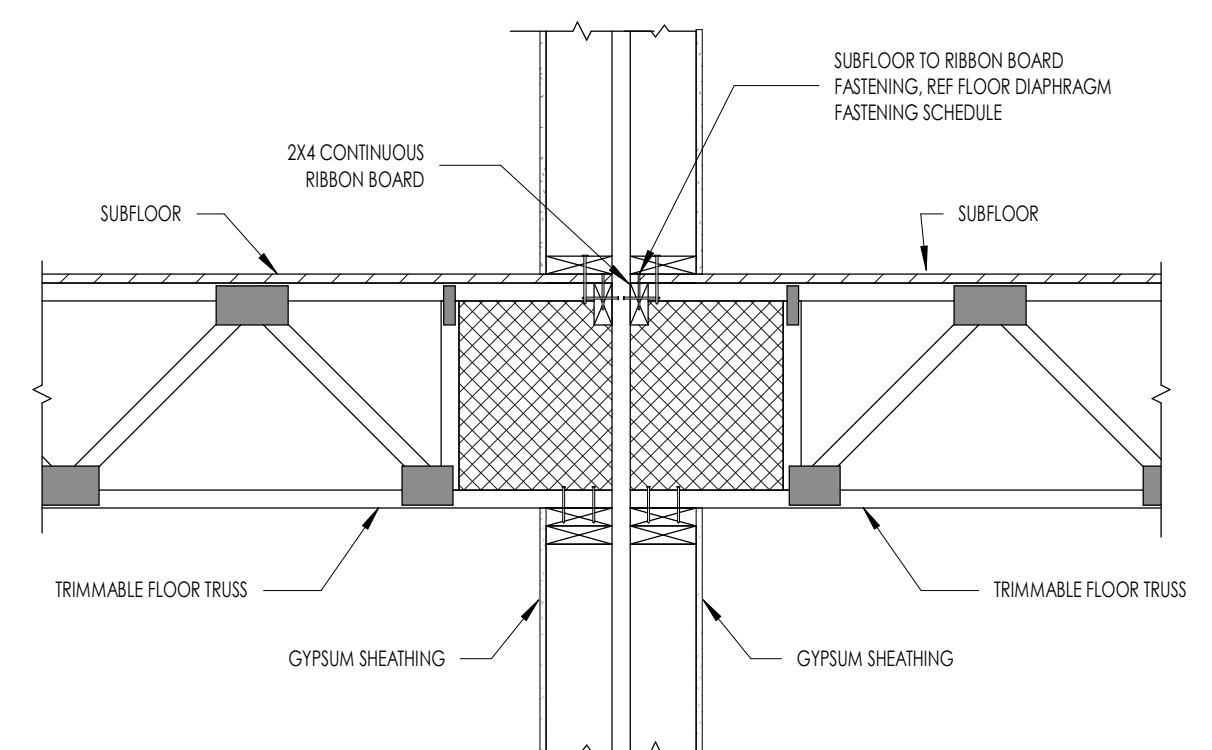
**NOTES:**  
1. THE SHEARWALL END POST MUST CONTINUE TO THE FOUNDATION REGARDLESS OF WHETHER THE SHEARWALL IS CONTINUOUS TO THE FOUNDATION.

**6B** TYPICAL SHEARWALL HOLDDOWN AT INTERIOR SHEAR WALL  
NOT TO SCALE



**NOTES:**  
1. REFERENCE GENERAL NOTES FOR WOOD SHRINKAGE NOTES AND SPECIFICATIONS. IF THE FRAMING HAS A MC HIGHER THAN 1.95 WHEN THE SHEATHING IS APPLIED, IT MAY LEAD TO BUCKLING OF THE SHEATHING AND/OR THE CLADDING. CONTRACTOR TO QC FRAMING MC PRIOR TO INSTALLING WALL SHEATHING.

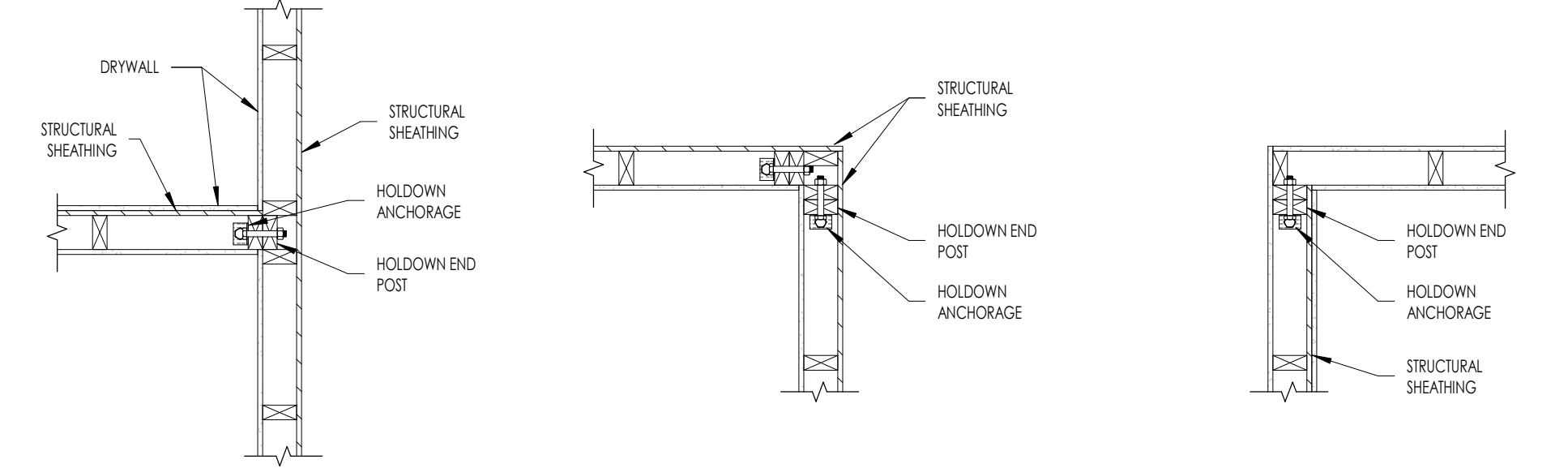
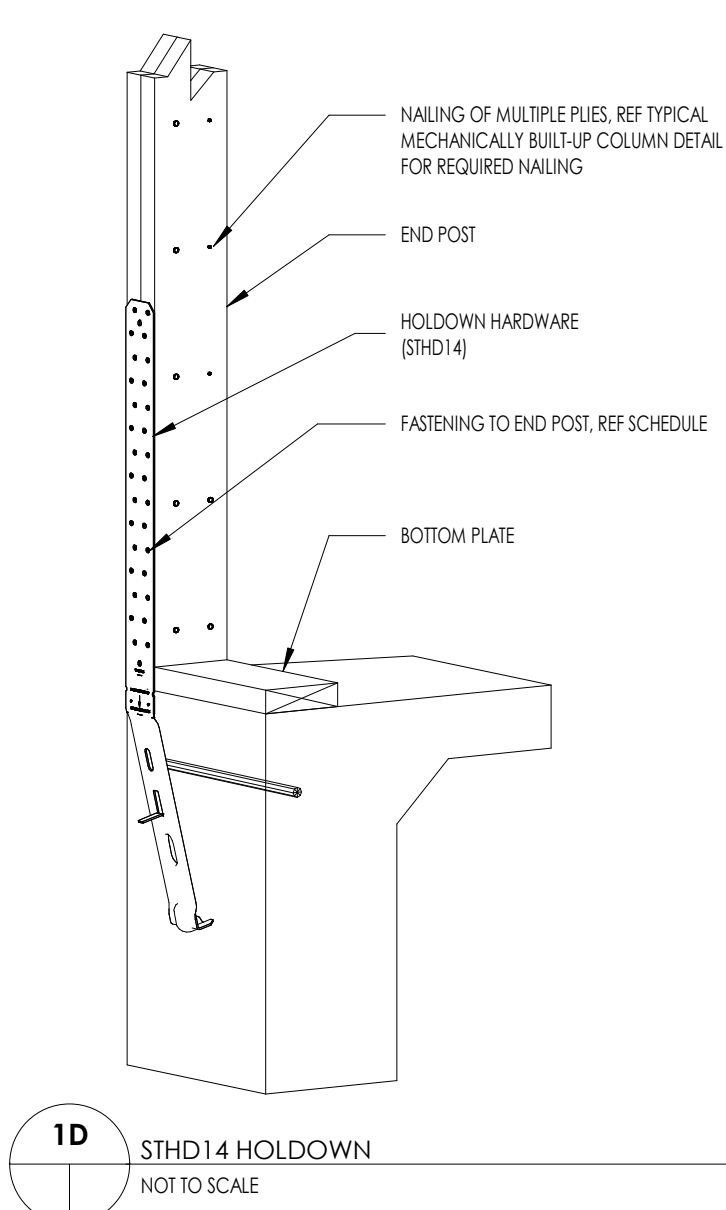
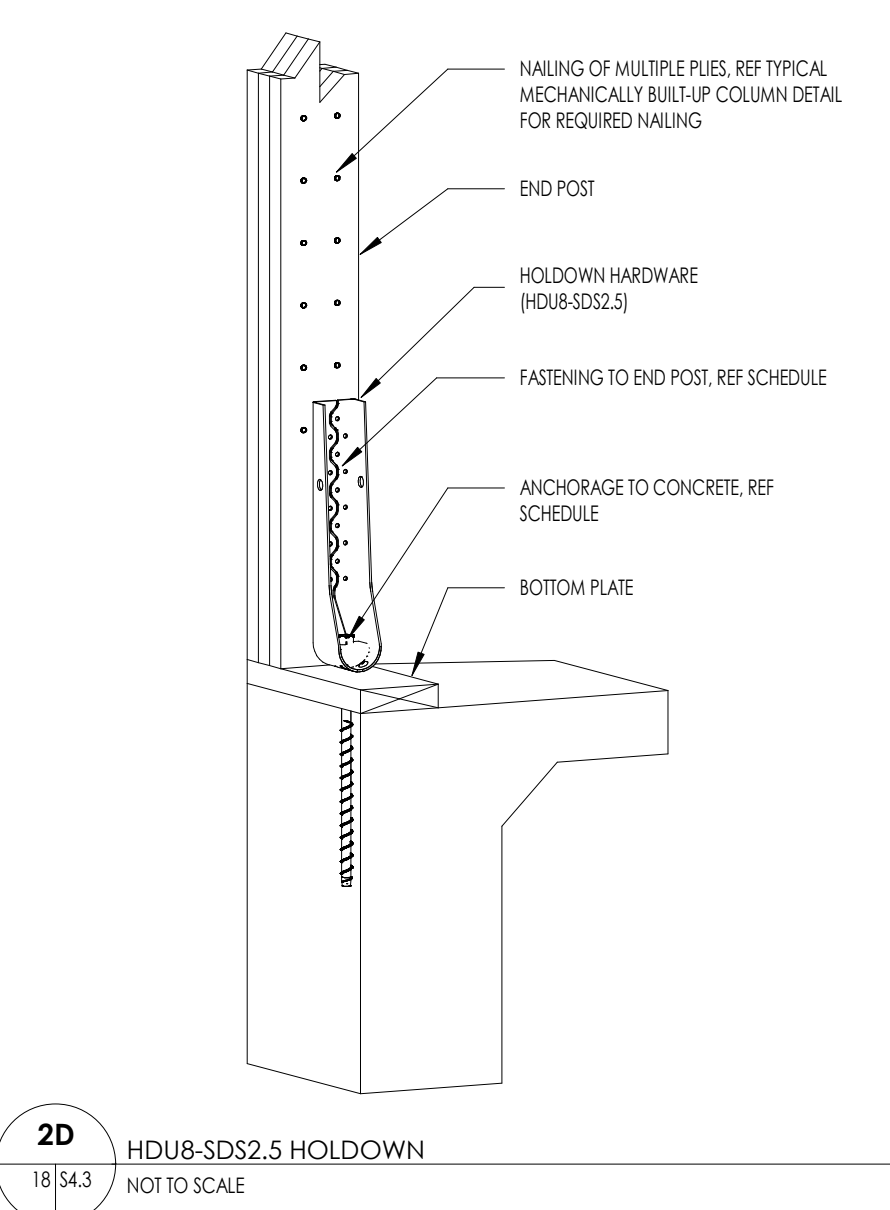
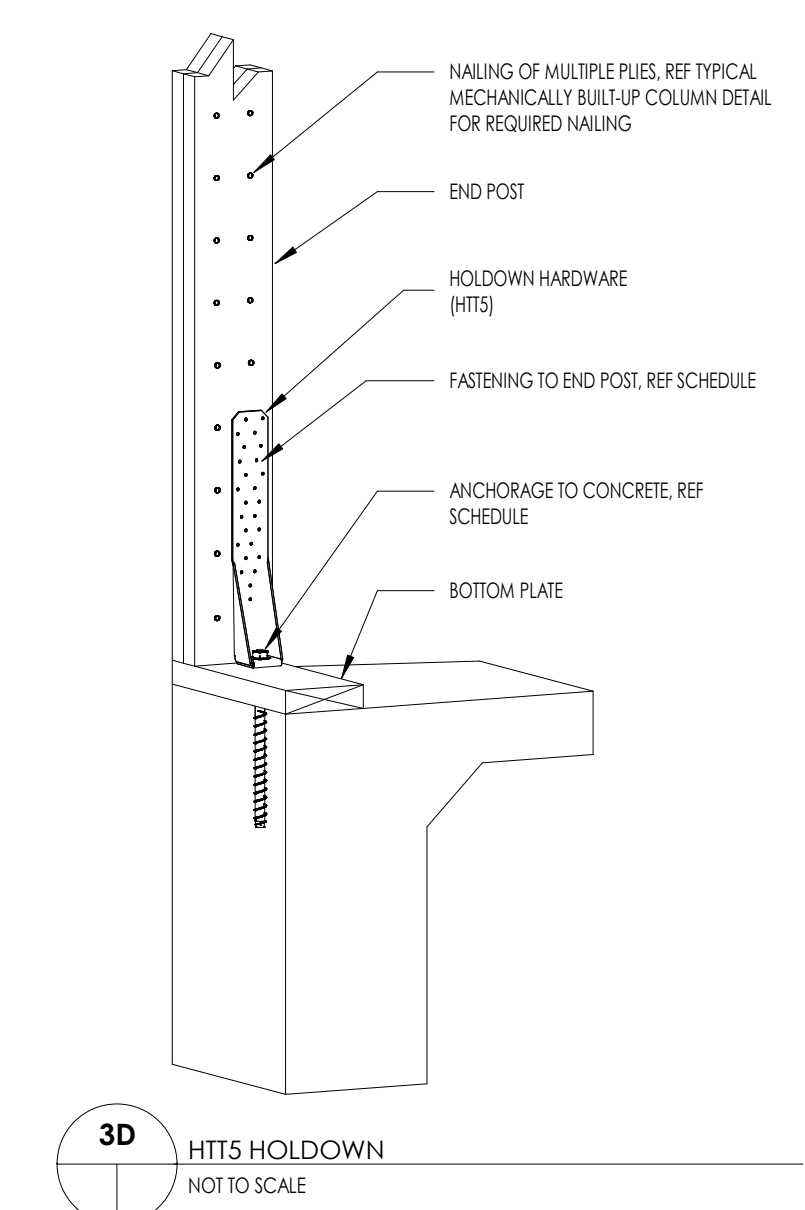
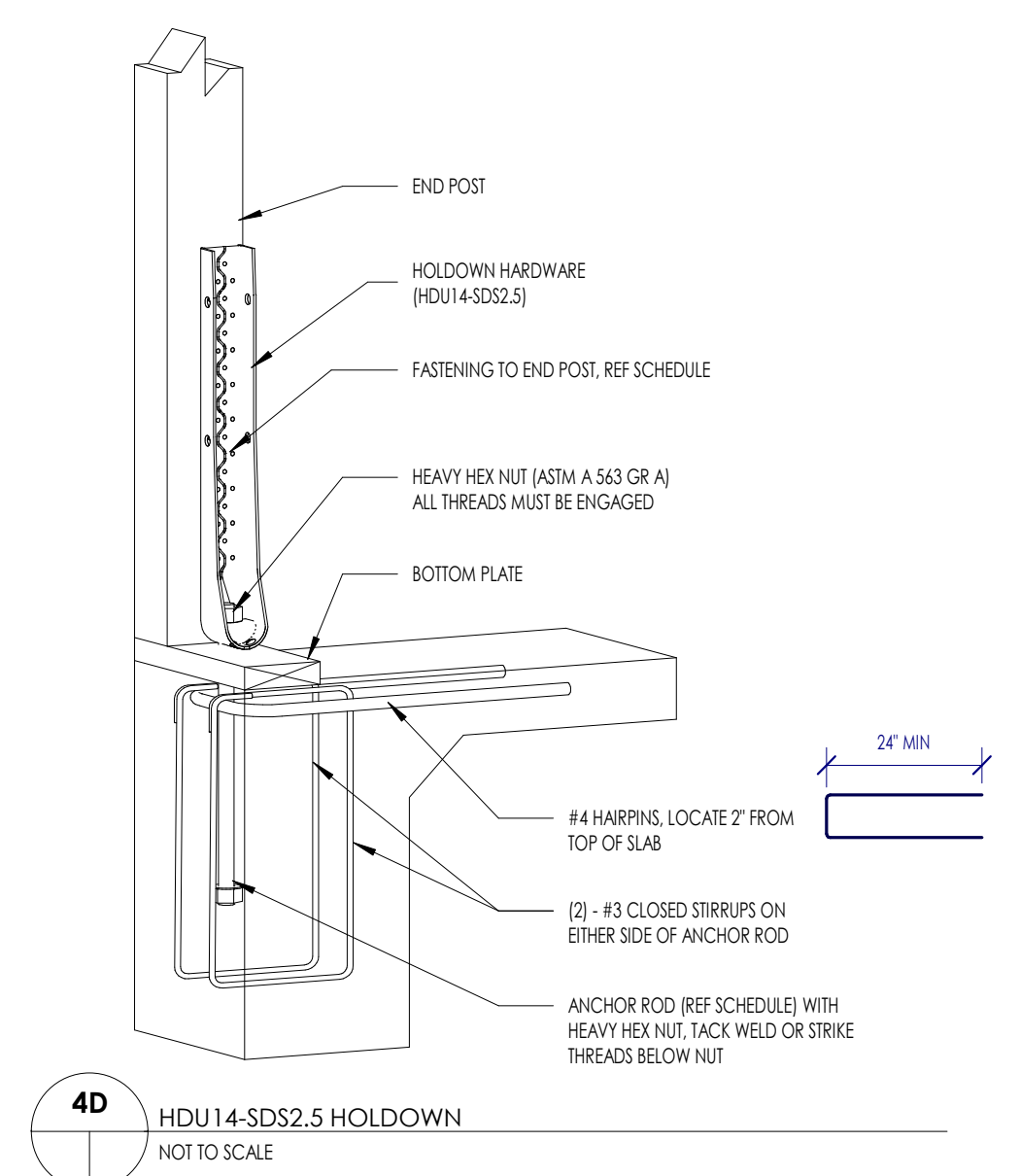
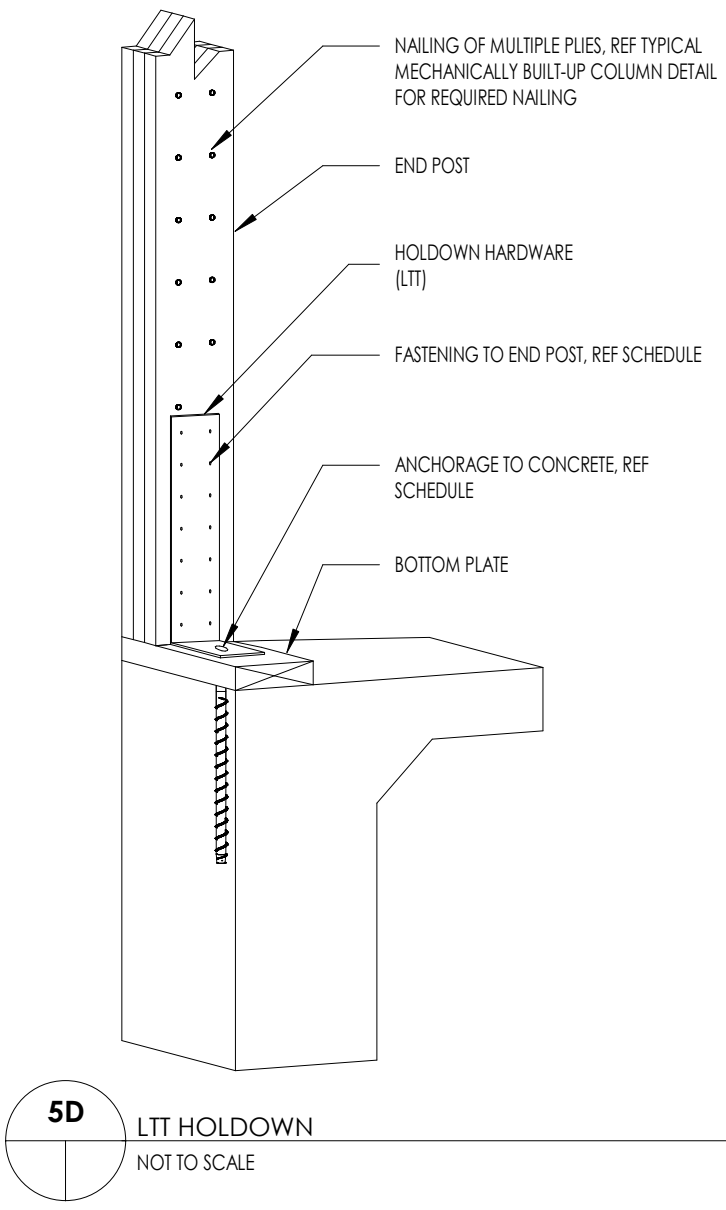
**3A** 061760 FLOOR - TRIMMABLE TRUSS BOTTOM CHORD BEARING ON EXTERIOR WALL  
NOT TO SCALE



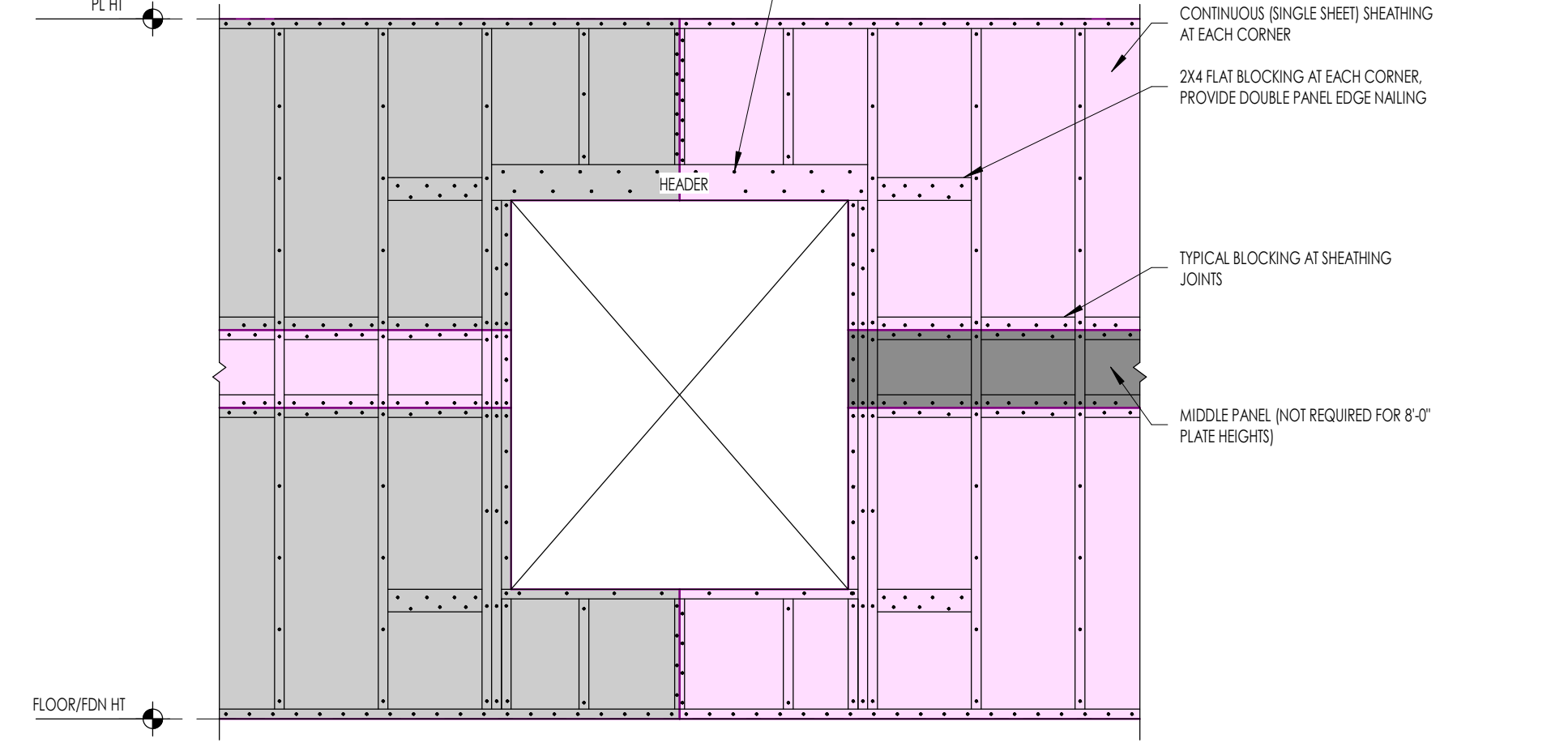
**NOTES:**  
1. REFERENCE GENERAL NOTES FOR WOOD SHRINKAGE NOTES AND SPECIFICATIONS. IF THE FRAMING HAS A MC HIGHER THAN 1.95 WHEN THE SHEATHING IS APPLIED, IT MAY LEAD TO BUCKLING OF THE SHEATHING AND/OR THE CLADDING. CONTRACTOR TO QC FRAMING MC PRIOR TO INSTALLING WALL SHEATHING.

**2A** TYPICAL INTERIOR BOTTOM CHORD BEARING AT PARTY WALL  
NOT TO SCALE

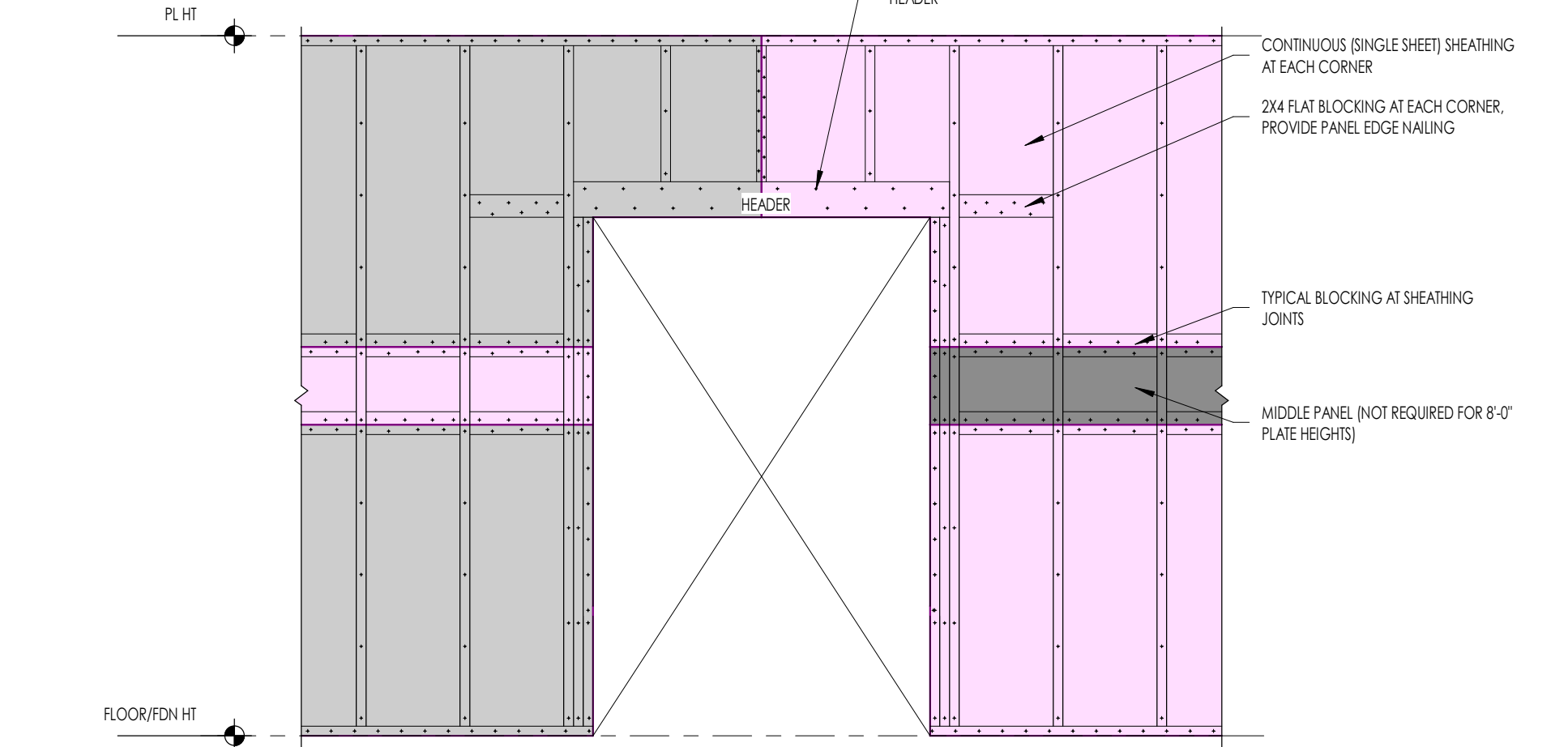
Date	Description



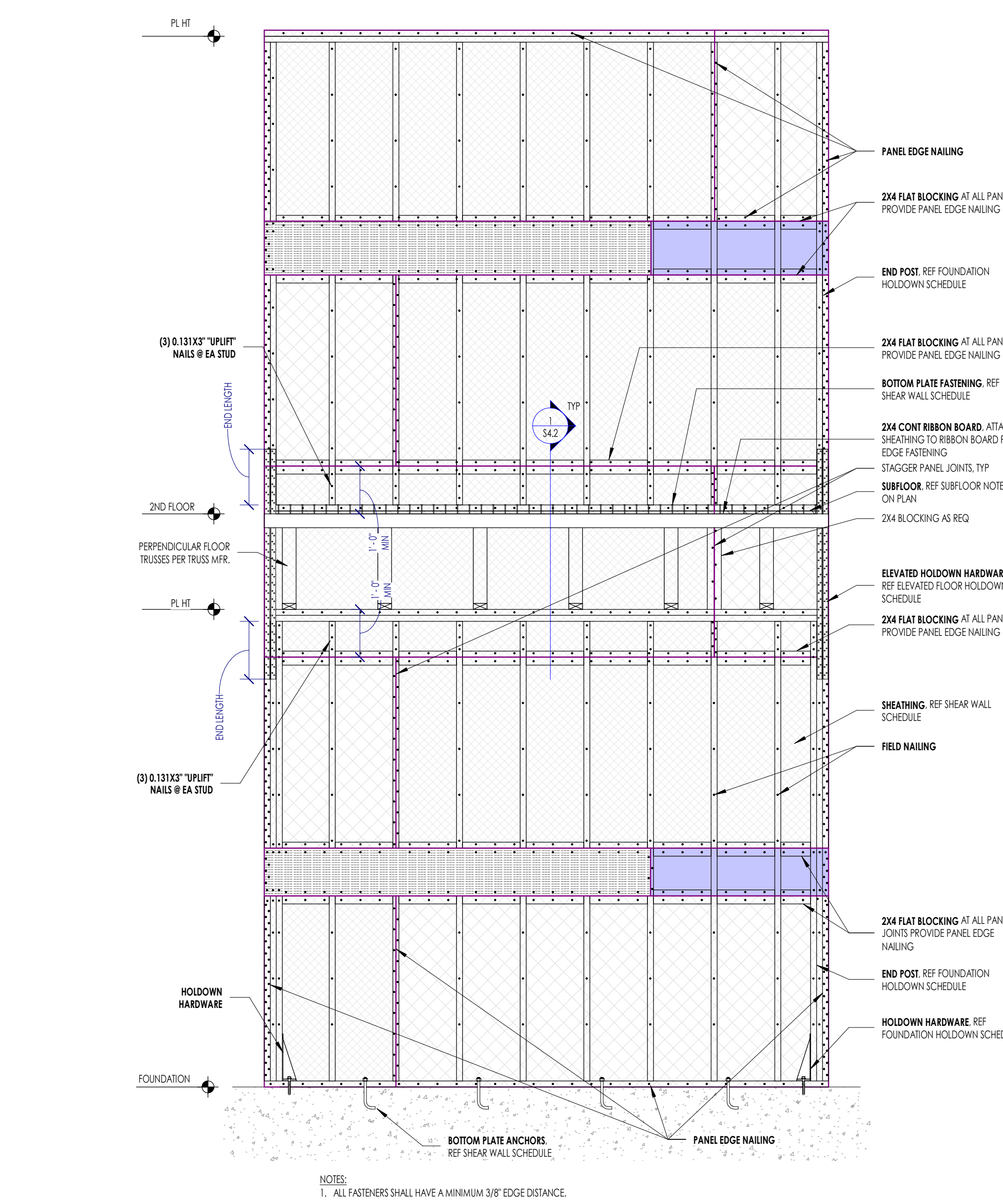
6C SHEAR WALL - END POST CONFIGURATIONS NOT TO SCALE



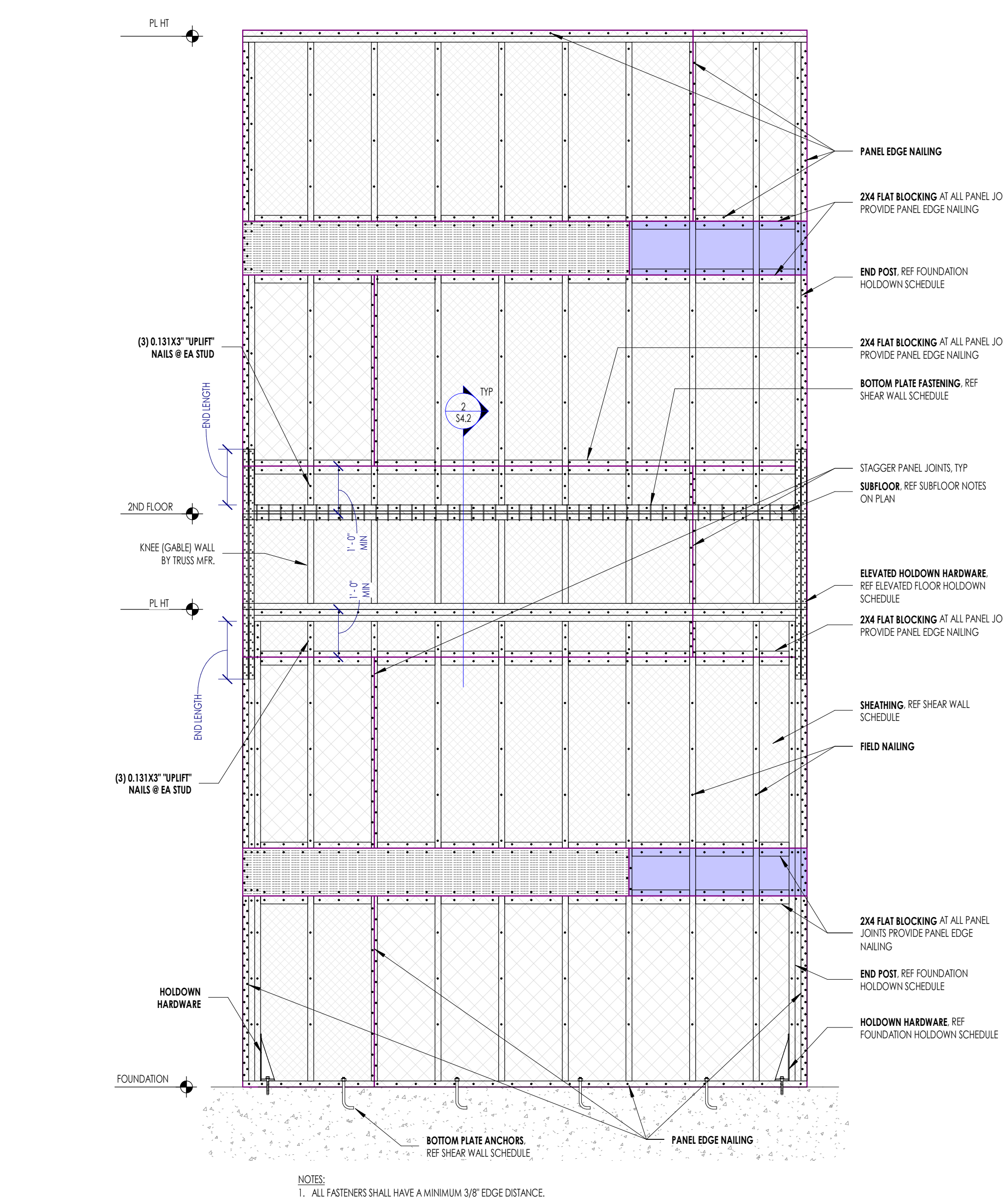
6B SHEAR WALL - FORCE TRANSFER AROUND OPENING NOT TO SCALE



6A SHEAR WALL - FORCE TRANSFER AROUND OPENING (DOOR) NOT TO SCALE



4A TYPICAL MULTIPLE STORY SHEARWALL FRAMING AND FASTENING, TRUSSES PERPENDICULAR NOT TO SCALE



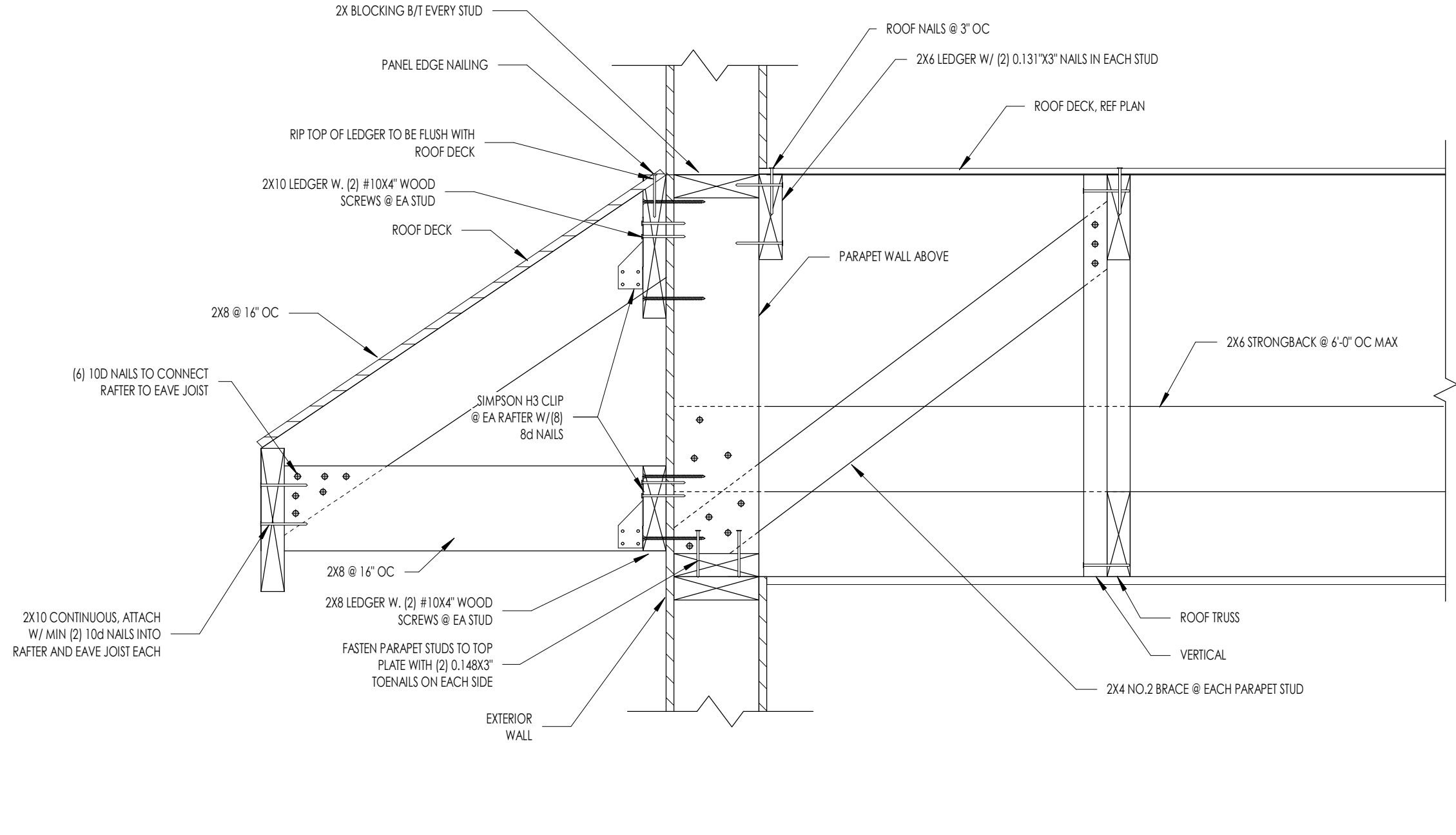
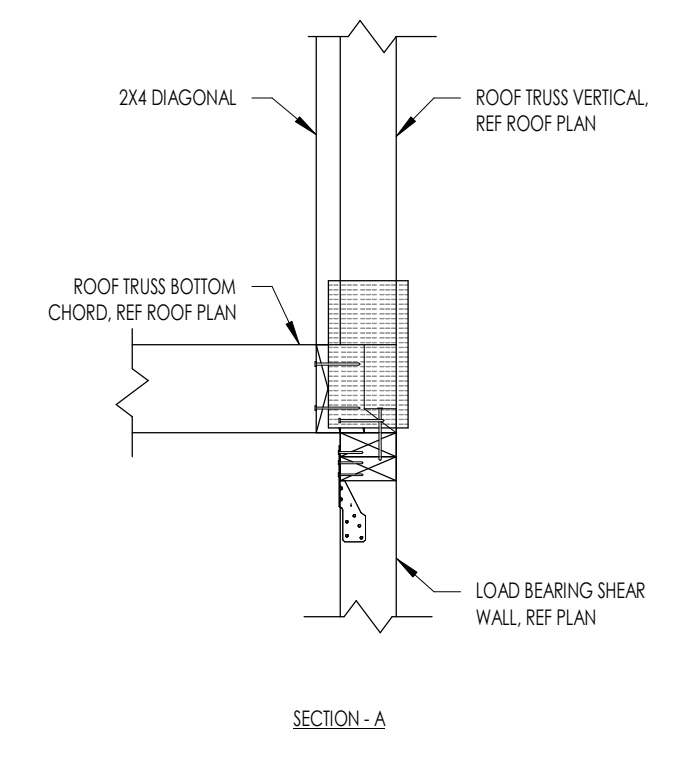
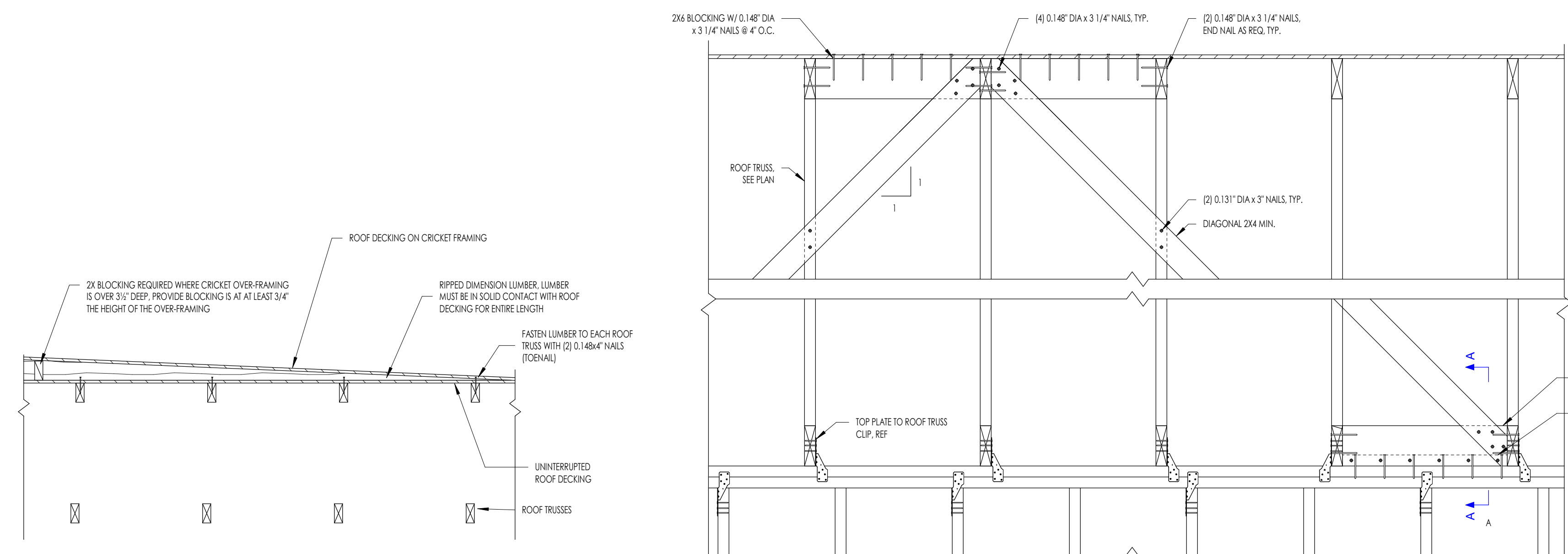
2A TYPICAL MULTIPLE STORY SHEARWALL FRAMING AND FASTENING, TRUSSES PARALLEL NOT TO SCALE

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Date	Description

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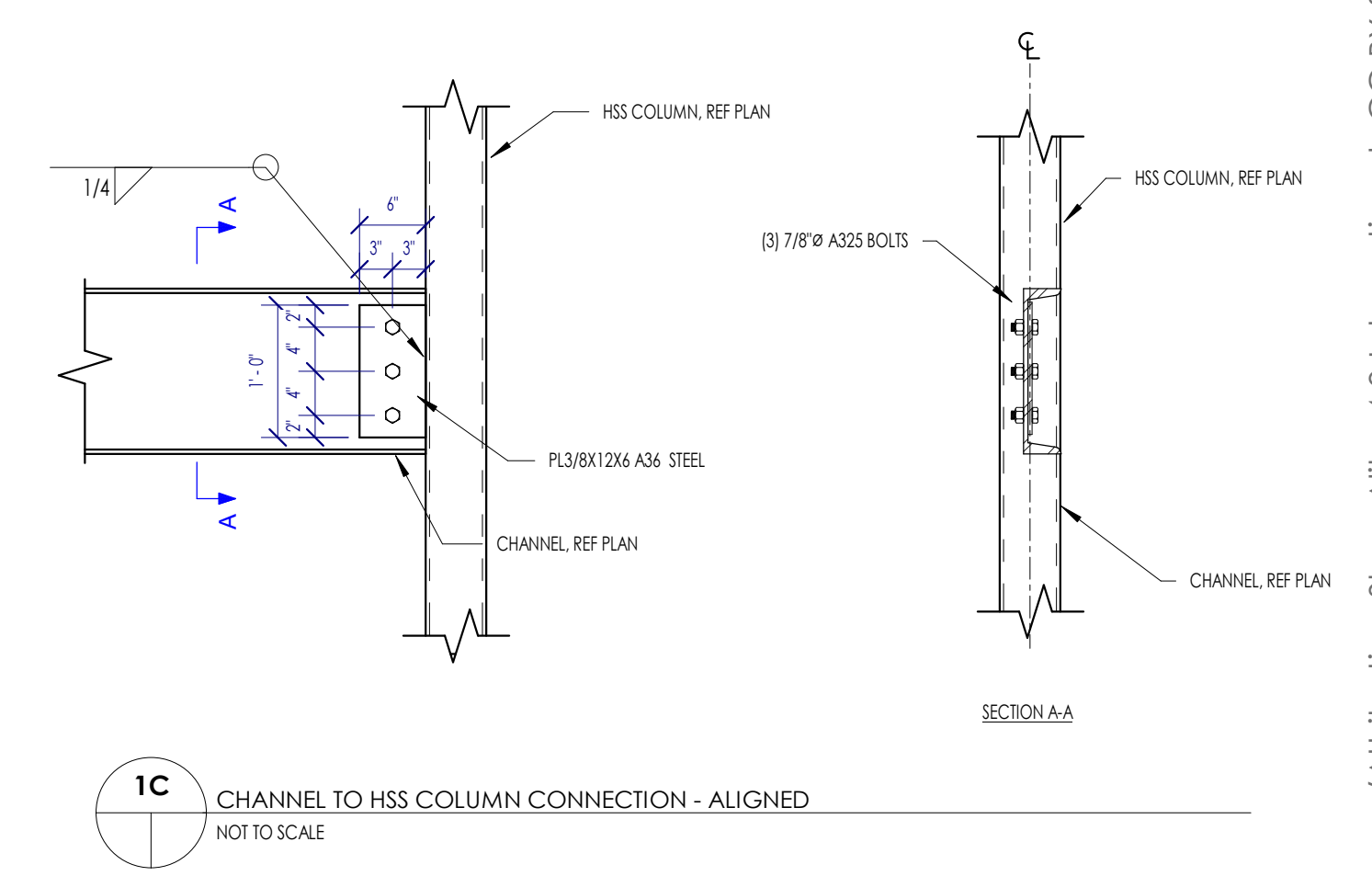
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 Houston, TX 77019  
 isa@lkbarchitecture.com | 713.425.3076

**DUDLEY**  
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 6102 Imperial Loop Drive  
 College Station, TX 77845  
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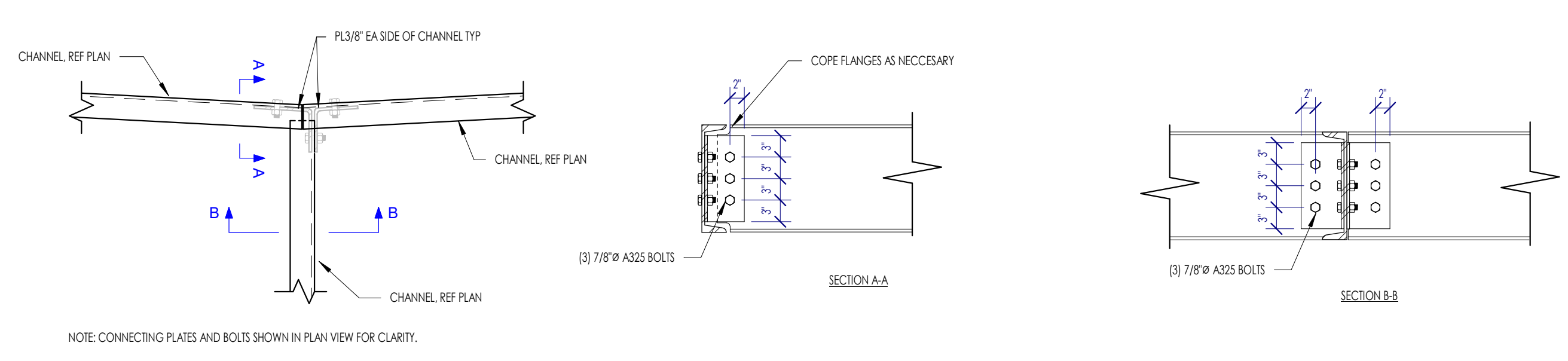
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 MEP: AMC Engineers  
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 info@amcengineers.com

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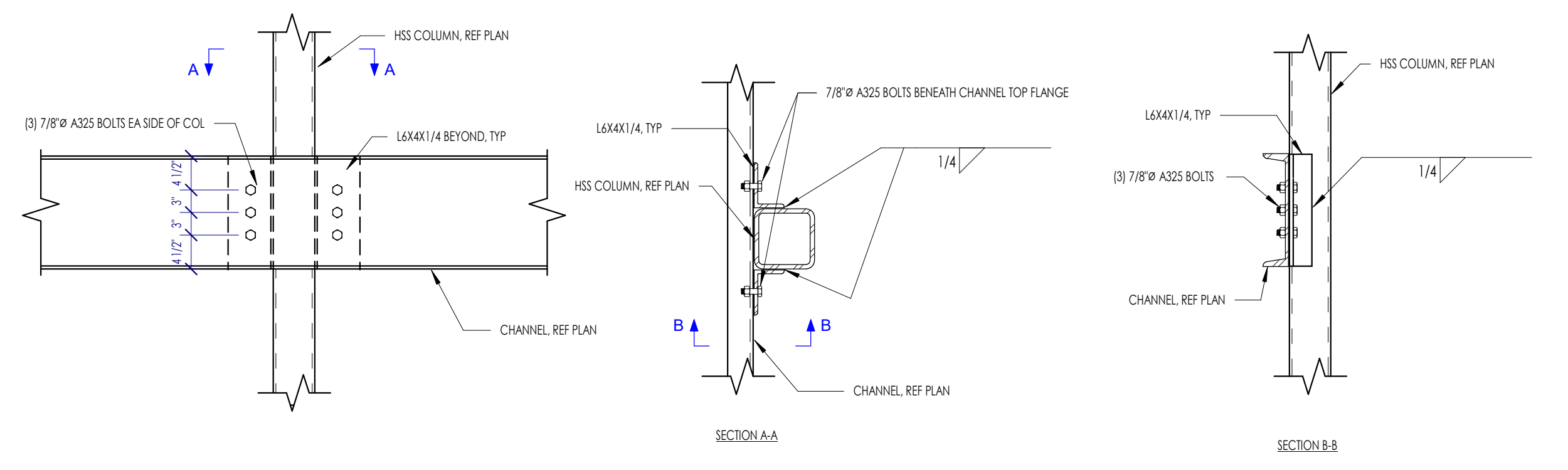
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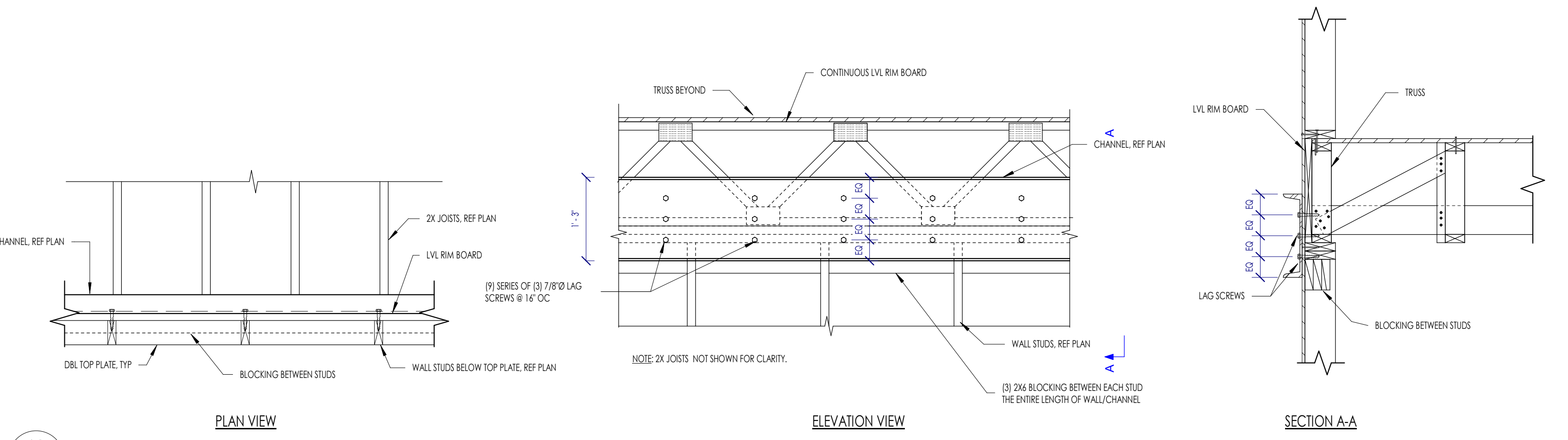
1C CHANNEL TO HSS COLUMN CONNECTION - ALIGNED  
NOT TO SCALE



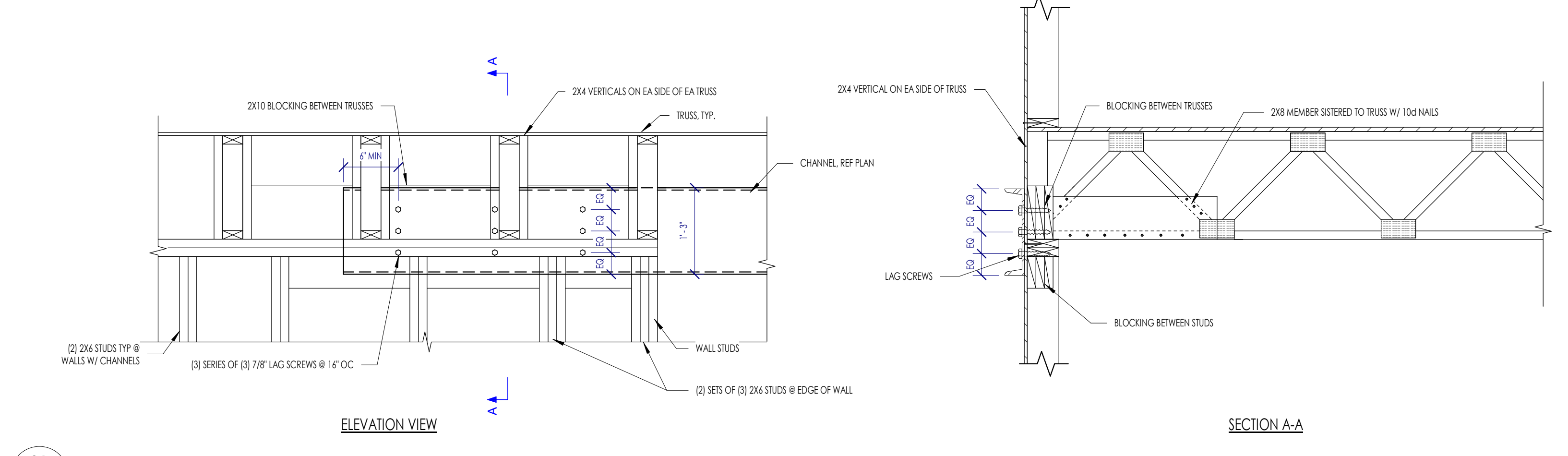
6B TYPICAL CHANNEL CONNECTION AT BALCONY  
NOT TO SCALE



3B CHANNEL TO HSS COLUMN CONNECTION - ECCENTRIC  
NOT TO SCALE



6A TYPICAL CHANNEL TO WALL STUD CONNECTION  
NOT TO SCALE



3A TYPICAL CHANNEL TO WALL STUD CONNECTION  
NOT TO SCALE