

STRUCTURAL NOTES

(THE FOLLOWING APPLY UNLESS DETAILED OR SPECIFIED OTHERWISE ON THE PLANS)

1.0 WOOD

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GENERAL NOTES:
PLEASE VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ANY MODIFICATIONS TO THE STRUCTURE MUST BE REVIEWED AND APPROVED BY EXODUS ENGINEERING. ALL METHODS, MATERIALS, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC) 2021 EDITION.

DESIGN LOADS
ROOF: 25 PSF SNOW, 17 PSF DEAD
EXTERIOR WALLS: 12 PSF
INTERIOR WALLS: 8 PSF
FLOOR: 10 PSF DEAD
FLOOR (TYPICAL): 50 PSF LIVE & 2,000LB CONCENTRATED LOAD
CORRIDOR: 100 PSF LIVE & 2,000LB CONCENTRATED LOAD
LOBBIES: 100 PSF LIVE & 2,000LB CONCENTRATED LOAD
BASIC WIND SPEED: 100 MPH (3-SEC)
EXPOSURE: "B"
SEISMIC: DESIGN CAT. "D", $S_s = 1.159$, $S_1 = 0.476$, $SDS = 0.927$
IMPORTANCE: IE = 1.0
SITE CLASS "D",
SEISMIC RESPONSE R = 6.5
BEARING DEPTH: 18" EXT./12" INT. (PER GEO)
SOIL BEARING: 2,000 PSF ALLOWABLE
GEOTECHNICAL REPORT PROVIDED BY GEOENGINEERS, FILE NO. 24452-001-00, DATED 04/01/2020

FOUNDATIONS:
FOOTINGS SHALL BEAR ON UNDISTURBED SOIL, COMPACTED FILL MATERIAL, OR CONTROLLED LOW-STRENGTH MATERIAL (CLSM) PER IBC 1809.2.

REINFORCING STEEL:
MINIMUM GRADE 60. LAP ALL SPLICES A MINIMUM OF 32 BAR DIAMETERS OR 18". LAP HORIZONTAL STEEL AT CORNERS AND INTERSECTIONS IN FOOTINGS AND WALLS WITH CORNER BARS. MINIMUM CONCRETE COVER FOR REINFORCING STEEL PER ACI 318:
• INTERIOR FACES OF SLABS & OR WALLS = 1-1/2"
• EXPOSED TO WEATHER OR EARTH 1-1/2" FOR #5 AND SMALLER AND 2" FOR #6 AND LARGER.
• FOOTING BARS REQUIRE 3" COVER.

CONCRETE:
ALL CONCRETE MATERIALS AND PLACEMENT SHALL BE PER THE IBC 2021 SECTION 1901. MINIMUM DESIGN STRENGTH (F_c) SHALL BE 2,500 PSI, HOWEVER 3,000 PSI CONCRETE IS REQUIRED FOR WEATHERING PROTECTION WHERE CONCRETE IS EXPOSED TO THE WEATHER PER IBC. AIR ENTRAINMENT SHALL BE 5% +/-1% AGGREGATE SIZE = 7/8" MAXIMUM.

ANCHOR BOLTS
ALL ANCHOR BOLTS EMBEDDED IN CONCRETE OR MASONRY SHALL BE A307 UNO. POST-INSTALLED BOLTS INTO CONCRETE NOT OTHERWISE SPECIFIED SHALL BE SIMPSON TITEN HD 5/8"x8" ANCHORS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INCLUDING MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS. EPOXY-GROUTED ITEMS SPECIFIED ON THE DRAWINGS SHALL BE GROUTED WITH SIMPSON AT-XP EPOXY.

PRESERVATIVE TREATED WOOD:
IBC 2304.12, WOOD USED ABOVE GROUND SHALL BE PRESERVE TREATED IN ACCORDANCE WITH AWPA U1 FOR THE CONDITIONS LISTED IN THE CODE.

METAL CONNECTORS
ALL METAL CONNECTORS COMING IN CONTACT WITH P.T. WOOD SHALL BE SIMPSON "Z-MAX", TRIPLE ZINC COATED, OR HOT DIPPED GALVANIZED FOR CORROSION RESISTANCE.

PREFABRICATED ROOF TRUSSES
PREFABRICATED ROOF TRUSSES TO BE DESIGNED FABRICATED AND INSTALLED PER MANUFACTURER'S DRAWINGS AND INSTALLATION INSTRUCTIONS. PRE-FABRICATED ITEMS TO BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER FABRICATOR TO PROVIDE ALL TRUSS TO TRUSS CONNECTION DETAILS. ALL TEMPORARY AND PERMANENT BRACING REQUIRED FOR THE STABILITY OF THE TRUSS ELEMENTS UNDER GRAVITY LOADS AND IN-PLANE WIND OR SEISMIC LOADS SHALL BE DESIGNED BY THE TRUSS ENGINEER.

GLUED LAMINATED BEAMS (GLB)
(SEE EXPANDED WOOD FRAMING NOTES)

ENGINEERED LUMBER (LVL - PSL)
LVL MATERIAL SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: E=2.0E, Fb=2,600 PSI
PSL MATERIAL SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: E=2.0E, Fb=2,900 PSI

NOTATIONS AND ABBREVIATIONS

- | | | |
|-----------------------|--------------------------------------|-------------------------------------|
| 1. A.B. = ANCHOR BOLT | 12. FDN = FOUNDATION | 24. PERP = PERPENDICULAR |
| 2. ABV = ABOVE | 13. FTG = FOOTING | 25. PLYWD = PLYWOOD |
| 3. BLK'G = BLOCKING | 14. GALV = GALVANIZED | 26. P.T. = PRESSURE TREATED |
| 4. BTM = BOTTOM | 15. HDR = HEADER | 27. REQ'D = REQUIRED |
| 5. CANT = CANTILEVER | 16. H.D. = HOLDOWN | 28. SCHED = SCHEDULE |
| 6. CONT = CONTINUOUS | 17. HORIZ = HORIZONTAL | 29. SIM = SIMILAR |
| 7. DBL = DOUBLE | 18. MFR = MANUFACTURED/ MANUFACTURER | 30. S.W. = SHEAR WALL |
| 8. DIA = DIAMETER | 19. MAX = MAXIMUM | 31. TYP = TYPICAL |
| 9. EA = EACH | 20. MIN = MINIMUM | 32. U.N.O. = UNLESS NOTED OTHERWISE |
| 10. EMBED = EMBEDMENT | 21. O.C. = ON CENTER | 33. VERT = VERTICAL |
| 11. (E) = EXISTING | 22. OPT = OPTIONAL | 34. V.I.F. = VERIFY IN FIELD |
| | 23. PAR = PARALLEL | |

- | |
|---|
| 1.1. FRAMING LUMBER SHALL BE KILN DRIED OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH W.C.L.I.B. STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 17, LATEST EDITION FURNISH TO THE FOLLOWING MINIMUM STANDARDS.
JOISTS: (2x, 3x, AND 4x MEMBERS) DOUG-FIR NO. 2
POSTS AND TIMBERS: DOUGLAS FIR NO. 1
MINIMUM BASIC DESIGN STRESS, F _c = 1,000 PSI
STUDS, PLATES, & MISCELLANEOUS LIGHT FRAMING DOUG-FIR STUD GRADE |
| 1.2. GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ASTM AND AITC STANDARDS. EACH MEMBER SHALL BEAR AN A.I.T.C. IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN A.I.T.C. CERTIFICATE OF CONFORMANCE. ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4, F _b = 2,400 PSI, F _v = 240 PSI. ALL CONTINUOUS OR CANTILEVERED SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8 F _b = 2,400 PSI, F _v = 240 PSI. |
| 1.3. PREFABRICATED ROOF TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH THE DESIGN SPECIFICATION FOR METAL PLATE CONNECTED TRUSSES TP1-2014" BY THE TRUSS PLATE INSTITUTE FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS.
LOADING SHALL BE AS FOLLOWS:
TOP CHORD LIVE LOAD 25 PSF
TOP CHORD DEAD LOAD 5 PSF
BOTTOM CHORD DEAD LOAD 10 PSF
TOTAL LOAD 40 PSF
WOOD TRUSSES SHALL UTILIZE APPROVED CONNECTOR PLATES (GANGNAIL OR EQUAL). SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO FABRICATION. |
| 1.4. PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II, EXTERIOR GLUE IN CONFORMANCE WITH DOC PS 1-95 OR PS 2-92, ORIENTED STRAND BOARD OF EQUIVALENT THICKNESS, EXPOSURE RATING AND PANEL INDEX MAY BE USED IN LIEU OF PLYWOOD. SEE PLANS FOR THICKNESS, PANEL IDENTIFICATION INDEX AND NAILING REQUIREMENTS. |
| 1.5. ALL WOOD PLATES IN DIRECT CONTACT WITH CONCRETE SHALL BE PRESERVE TREATED WITH AN APPROVED PRESERVATIVE. PROVIDE 2 LAYERS OF ASPHALT IMPREGNATED BUILDING PAPER BETWEEN UNTREATED LEDGERS, BLOCKING, ETC. AND CONCRETE OR MASONRY. |
| 1.6. TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NO. C-2021 (or newer) EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICC APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER. CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. UNLESS NOTED OTHERWISE, ALL NAILS SHALL BE COMMON. ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE, (MINIMUM) AS MEMBERS CONNECTED. ALL JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "LUS OR IUS" HANGERS. |
| 1.7. ALL CONNECTIONS IN CONTACT WITH PRESERVE TREATED WOOD, SHALL BE OF HOT DIPPED GALVANIZED STEEL OR STAINLESS STEEL. HOT DIPPED GALVANIZED FASTENERS SHOULD CONFORM TO ASTM STANDARD 153, AND HOT DIPPED GALVANIZED CONNECTORS SHOULD CONFORM TO ASTM STANDARD A853 CLASS C-180. STAINLESS STEEL FASTENERS AND CONNECTORS SHOULD BE TYPE 304 OR 316. NOTE: ELECTROPLATED GALVANIZED FASTENERS AND CONNECTORS ARE NOT TO BE USED WITH PRESERVE TREATED WOOD. SIMPSON PRODUCT FINISHES CORRESPONDING TO THE ABOVE REQUIREMENTS ARE ZMAX (HOT DIPPED GALVANIZED) AND S3300 (STAINLESS STEEL). |
| 1.8. WOOD FASTENERS
A. NAIL SIZES SPECIFIED ON DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS:
SIZE LENGTH DIAMETER
6d 2" 0.113"
8d 2 1/2" 0.131"
10d 3" 0.148"
12d 3 1/2" 0.148"
16d 3 3/4" 0.162"
20d 4" 0.192"
IF CONTRACTOR PROPOSES THE USE OF ALTERNATE NAILS, THEY SHALL SUBMIT NAIL SPECIFICATIONS TO THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION FOR REVIEW AND APPROVAL. FASTENERS PER ESR 1539 SHALL BE ADEQUATE ALTERNATES.
B. NAILS - PLYWOOD (APA RATED SHEATHING) FASTENERS TO FRAMING SHALL BE DRIVEN FLUSH TO FACE OF SHEATHING. |

WOOD FRAMING NOTES - THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE PLANS

- A. ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE. MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE. UNLESS OTHERWISE NOTED, ALL NAILS SHALL BE AS SPECIFIED ABOVE. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.
- B. WALL FRAMING: ALL STUD WALLS SHOWN AND NOT OTHERWISE NOTED SHALL BE 16" O.C. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF WALLS AND AT EACH SIDE OF ALL OPENINGS. ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS NOT SPECIFIED OR OTHERWISE NOTED ON THE PLAN ARE TO BE EITHER A 4x10 OR 6x8 DF#2 WITH AT LEAST ONE CRIPPLE AND ONE KING STUD FOR EACH END AT OPENINGS LESS THAN 5' WIDE AND TWO CRIPPLES AND ONE KING STUD FOR ALL OTHERS. ALL WINDOW OPENINGS SHALL HAVE A DOUBLE SILL PLATE BELOW THE OPENING. TWO 2x8 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE NOTED. SOLID BLOCKING FOR WOOD COLUMNS SHALL BE PROVIDED THROUGH FLOORS TO SUPPORTS BELOW. PROVIDE SOLID BLOCKING BETWEEN STUDS AT 4' O.C. ON ALL WALLS OVER 10' IN HEIGHT.
- WALLS SHALL HAVE A SINGLE BOTTOM PLATE AND A DOUBLE TOP PLATE. END NAIL TOP PLATE TO EACH STUD WITH TWO 16d NAILS, AND TOENAIL OR END NAIL EACH STUD TO BOTTOM PLATE WITH TWO 16d NAILS. FACE NAIL DOUBLE TOP PLATE WITH 16d AT 12" O.C. AND LAP MINIMUM 4'-0" AT JOINTS AND PROVIDE SIX 16d NAILS AT 4' O.C. EACH SIDE OF JOINT.
- ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH 16d NAILS AT 6" O.C. STAGGERED OR BOLTED TO CONCRETE WITH 5/8" DIAMETER A307 ANCHOR BOLTS (WITH 7" MINIMUM EMBEDMENT) @ 4'-0" O.C. UNLESS INDICATED OTHERWISE. BOLTS SHALL HAVE A MINIMUM 3"x3"x1/4" PLATE WASHER. INDIVIDUAL MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TO EACH OTHER WITH 16d @ 6" O.C. STAGGERED. REFER TO THE PLANS AND SHEAR WALL SCHEDULE FOR REQUIRED SHEATHING AND NAILING. WHEN NOT NOTED OTHERWISE, PROVIDE GYPSUM WALLBOARD ON INTERIOR SURFACES NAILED TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING WITH NAILS AT 7" O.C. USE 5d COOLER NAILS FOR 12" GWB AND 6d COOLER NAILS FOR 5/8" GWB. PROVIDE 1/2" (NOM) APA RATED SHEATHING (SPAN RATING 240) ON EXTERIOR SURFACES NAILED AT ALL PANEL EDGES (BLOCK UNSUPPORTED EDGES), TOP AND BOTTOM PLATES WITH NAILS @ 6" O.C. AND TO ALL INTERMEDIATE STUDS AND BLOCKING WITH NAILS @ 12" O.C. ALLOW 18" SPACING AT ALL PANEL EDGES AND ENDS.
- C. FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOISTS LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS.
- TOENAIL JOISTS TO SUPPORTS WITH TWO 16d NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH SIMPSON METAL JOIST HANGERS IN ACCORDANCE WITH NOTES ABOVE. NAIL ALL MULTI-JOIST BEAMS TOGETHER WITH 16d @ 12" O.C. STAGGERED. ATTACH EACH RAFTERS AT BEARING LINES WITH A SIMPSON H2.5T. UNLESS OTHER METAL CONNECTIONS ARE PROVIDED.

STATEMENT OF SPECIAL INSPECTIONS:

SPECIAL INSPECTION: SPECIAL INSPECTION SHALL BE PROVIDED PER THE REQUIREMENTS OF IBC SECTION 1704 AND AS NOTED HEREIN.

SOILS				
VERIFICATION AND INSPECTION	C	P	REFERENCED STANDARD	NOTES
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X		
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X		
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS		X	IBC 1705.6	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL		X		
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X		

WOOD FRAMING				
VERIFICATION AND INSPECTION	C	P	REFERENCED STANDARD	NOTES
NAILING, BOLTING, ANCHORING AND OTHER FASTENING ELEMENTS OF THE WIND & SEISMIC FORCE RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS		X	IBC 1705.12, 1705.13	SPECIAL INSPECTION IS NOT REQUIRED ON PORTIONS OF THE STRUCTURE WHERE FASTENER SPACING IS MORE THAN 4" ON-CENTER




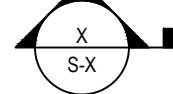

MANUFACTURED TRUSSES				
VERIFICATION AND INSPECTION	C	P	REFERENCED STANDARD	NOTES
FOR WOOD TRUSSES WITH A CLEAR SPAN OF 60 FEET OR GREATER, THE SPECIAL INSPECTOR SHALL VERIFY THAT THE TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.		X	IBC 2021: 1705.5.2	

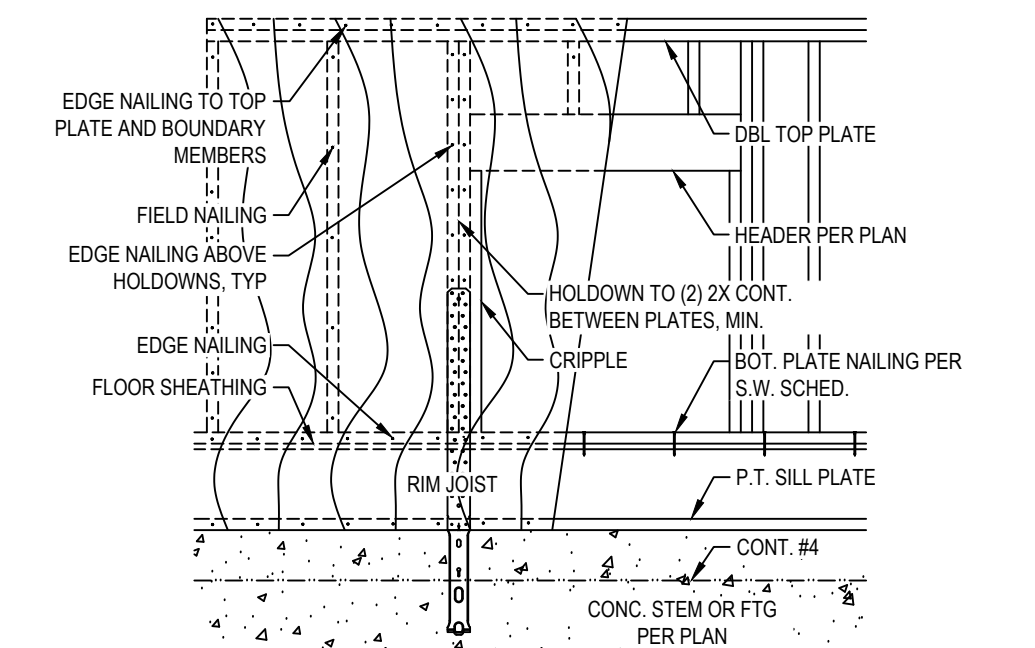
THE CONTRACTOR IS TO VERIFY THAT ALL DIMENSIONS, SPECIFICATIONS, AND DETAILS CORRESPOND WITH THE PROPOSED DESIGN PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO EXODUS ENGINEERING FOR FURTHER REVIEW. PLEASE REFERENCE ARCHITECTURAL DRAWINGS BY: © ELEVATION HOME DESIGNS - ALL RIGHTS RESERVED

SHEET INDEX:

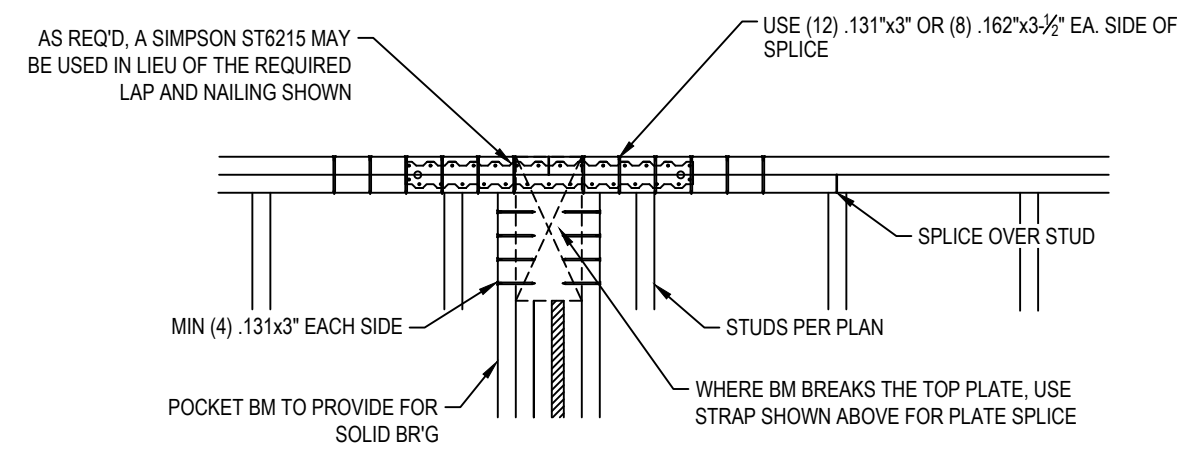
- S-1 : GENERAL NOTES
- S-2 : FOUNDATION, BASEMENT FLOOR PLAN AND FIRST FLOOR FRAMING
- S-3 : PROPOSED FIRST FLOOR PLAN AND SHEAR WALL LAYOUT
- S-4 : ROOF FRAMING
- S-5 : STRUCTURAL DETAILS
- S-6 : STRUCTURAL DETAILS

LEGEND:

-  STUD WALL
-  HOLD DOWN
-  SHEAR WALL
-  DETAIL CUT SECTION / REFERENCE
-  (SFO 1) BEAM REFERENCE

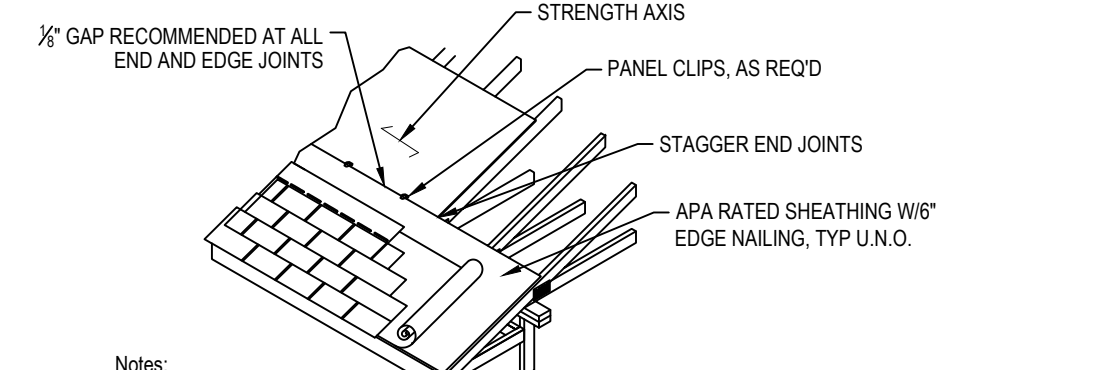


1 TYPICAL SHEAR WALL
SCALE: 1/2" = 1'-0"



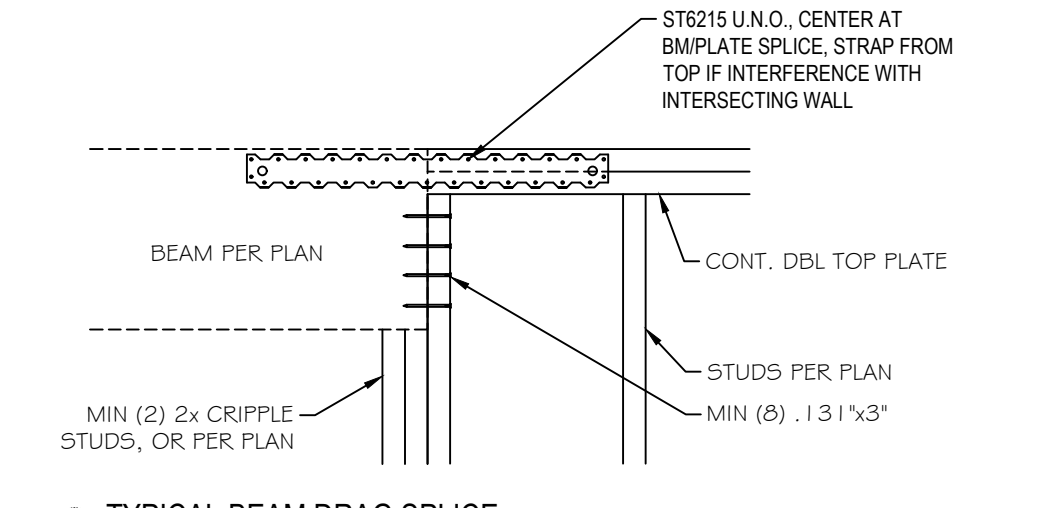
2 TYPICAL PLATE SPLICE
SCALE: 3/4" = 1'-0"

ROOF SHEATHING



- Notes:
- Cover sheathing as soon as possible with roofing felt for extra protection against excessive moisture prior to roofing application.
 - For pitched roofs, place screened surface or side with skid-resistant coating up if OSB panels are used. Keep roof surface free of dirt, sawdust and debris, and wear skid-resistant shoes when installing roof sheathing.
 - For buildings with conventionally framed roofs (trusses or rafters), limit the length of continuous sections of roof area to 80 feet maximum during construction, to allow for accumulated expansion in wet weather conditions. Omit roof sheathing panels in each course of sheathing between sections, and install "fill in" panels later to complete roof deck installation prior to applying roofing.

3 TYPICAL ROOF SHEATHING
SCALE - NOT TO SCALE

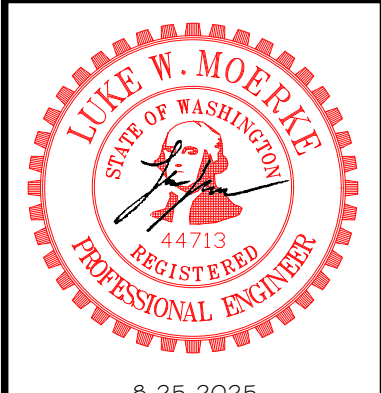


4 TYPICAL BEAM DRAG SPLICE
SCALE - 1" = 1'-0"

SHEAR WALL SCHEDULE									
LABEL	APA RATED SHEATHING	NAIL SIZE & SPACING @ EDGES	STUD & BLOCKING SIZE @ ADJOINING EDGES	STUD SPECIES & GRADE	2x BOTTOM PLATE ATTACHMENT (ASSUMING CONT. SHEATHING OVER RIM/PLATE)	2x BOTTOM PLATE ATTACHMENT (W/ SHEATHING SPLICE)	SILL PLATE ATTACHMENT		CAPACITY (PLF) SEISMIC/WIND
							MASAP OR 3/4" ANCHOR BOLT SPACING	SILL PLATE SIZE @ FOUNDATION	
A	7/16" OSB ONE SIDE	.113" x 2" @ 6" O.C.	2x	DF - STUD	.135"x3-1/2" @ 8" O.C.	LTP5 @ 24" O.C.	48" O.C.	2x	260/364
B	7/16" OSB ONE SIDE	.113" x 2" @ 4" O.C.	2x	DF - STUD	.135"x3-1/2" @ 8" O.C.	LTP5 @ 16" O.C.	32" O.C.	2x	350/532
C	7/16" OSB ONE SIDE	.113" x 2" @ 3" O.C.	2x	DF - STUD	.135"x3-1/2" @ 8" O.C.	LTP5 @ 12" O.C.	30" O.C.	2x	400/600
D	7/16" OSB ONE SIDE	.113" x 2" @ 2" O.C.	3x	DF - STUD	.135"x3-1/2" @ 8" O.C.	LTP5 @ 8" O.C.	24" O.C.	3x	410/896

SHEAR WALL NOTES

BLOCKING IS REQUIRED AT ALL PANEL EDGES. INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY WHERE STUDS ARE SPACED 16" O.C. MAX. STAGGER SHEATHING WHERE APPLIED ON BOTH SIDES OF WALLS. (2) 2X MAY BE USED IN LIEU OF SINGLE 3X IF EDGE NAILING IS STAGGERED BETWEEN PLATES, AND PLATES ARE STITCH NAILED TOGETHER WITH 1.31'x3" @ 4" O.C. STAGGERED. WHEN USING ANCHOR BOLTS, 3"x3"x.229" PLATE WASHERS SHALL BE USED. SEE PLANS FOR ADDITIONAL ATTACHMENTS REQUIRED.



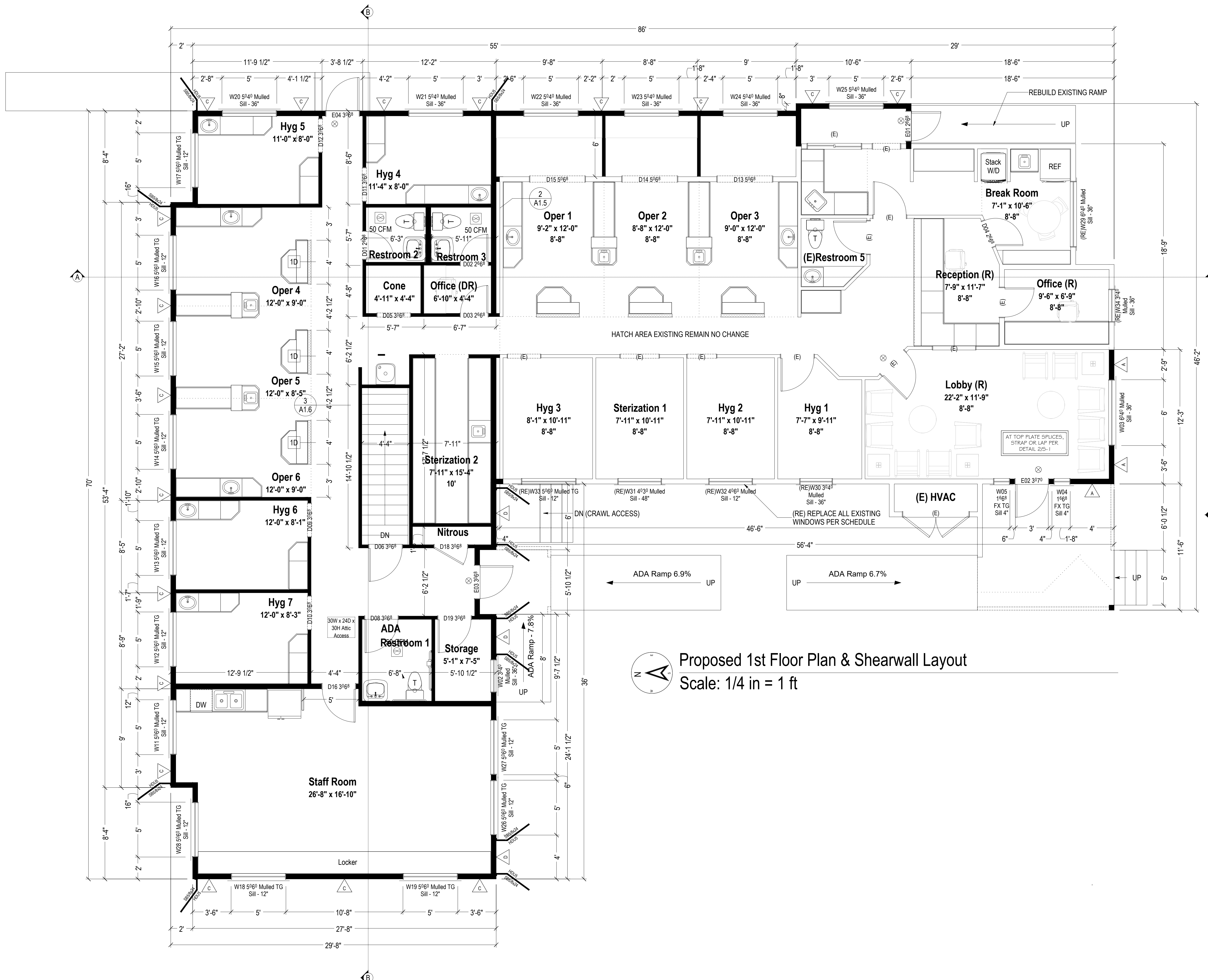
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General Notes
Elevation Home Designs
Job #: 24-0166
Exodus Engineering
Job #: 24-291 (CJB)
Printed On:
8/25/2025 8:49:50
Layout Sheet #
1 of 6
Sheet:
S-1

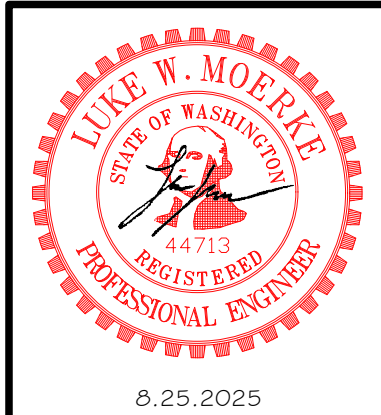


Proposed 1st Floor Plan & Shearwall Layout
 Scale: 1/4 in = 1 ft

- A 3/8" ANCHOR BOLTS @ 48" O.C.
- B 3/8" ANCHOR BOLTS @ 32" O.C.
- C 3/8" ANCHOR BOLTS @ 30" O.C.
- D 3/8" ANCHOR BOLTS @ 24" O.C.

WALL LEGEND	
	NEW STUD WALL
	EXISTING STUD WALL

- SHEAR WALL NOTES**
- SEE 7 & 11/5-6 FOR HOLD DOWN INFORMATION
 - SEE SHEAR WALL SCHEDULE ON S-1 FOR NAILING AND ANCHOR SPACING



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Plans are designed for ARCH D (24" x 36" Size Paper Only, UNO - Do Not Scale **

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1st Floor Shear
 Elevation Home Designs
 Job #: 24-0166
 Exodus Engineering
 Job #: 24-291 (CJB)
 Printed On:
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 Layout Sheet #
 3 of 6
 Sheet:
S-3

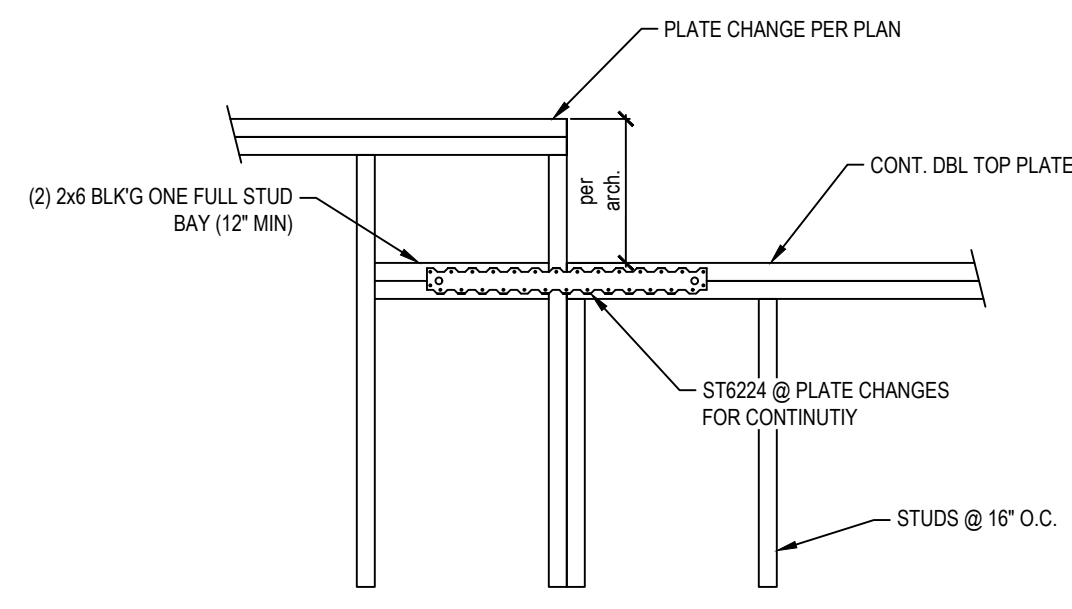
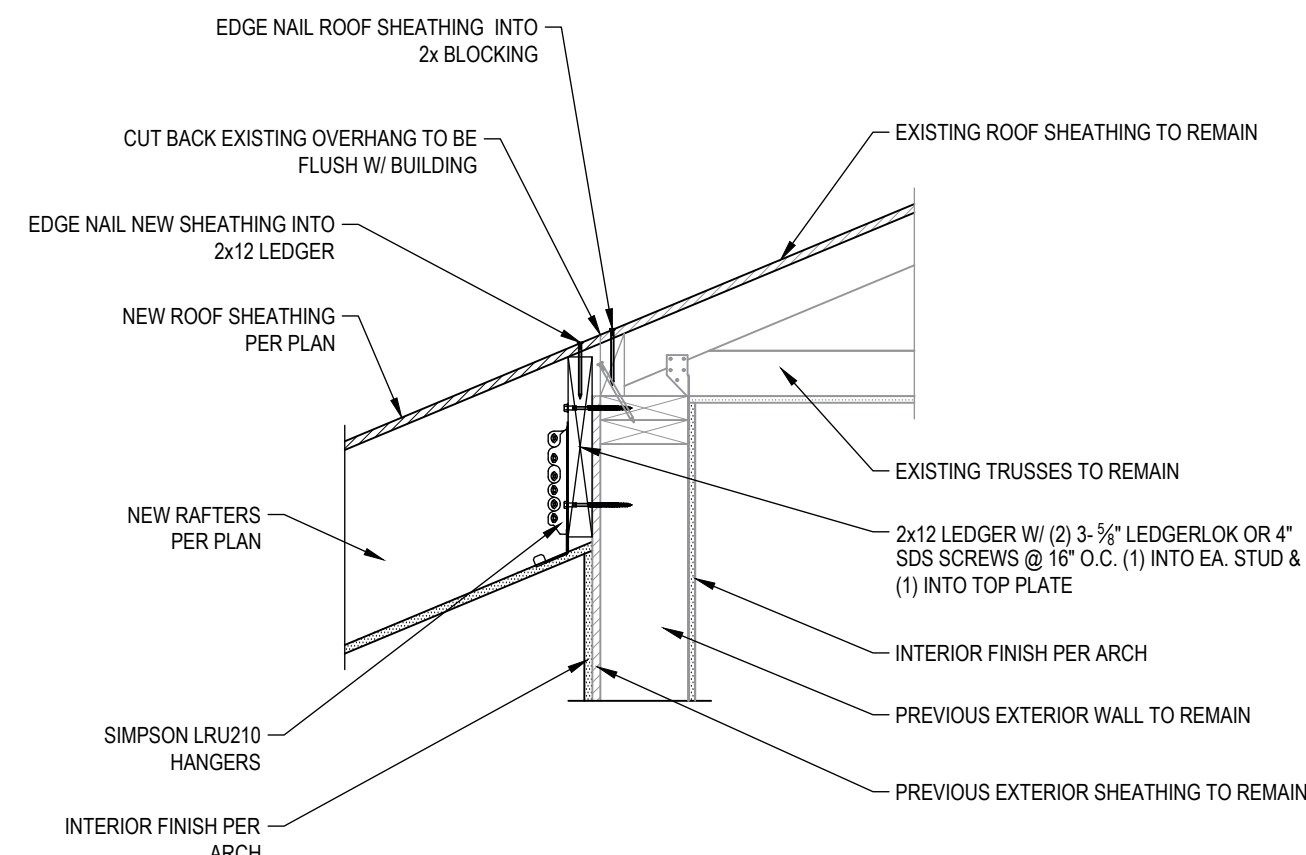


PLATE CONNECTION AT ELEV. CHANGES

SCALE - 3/4" = 1'

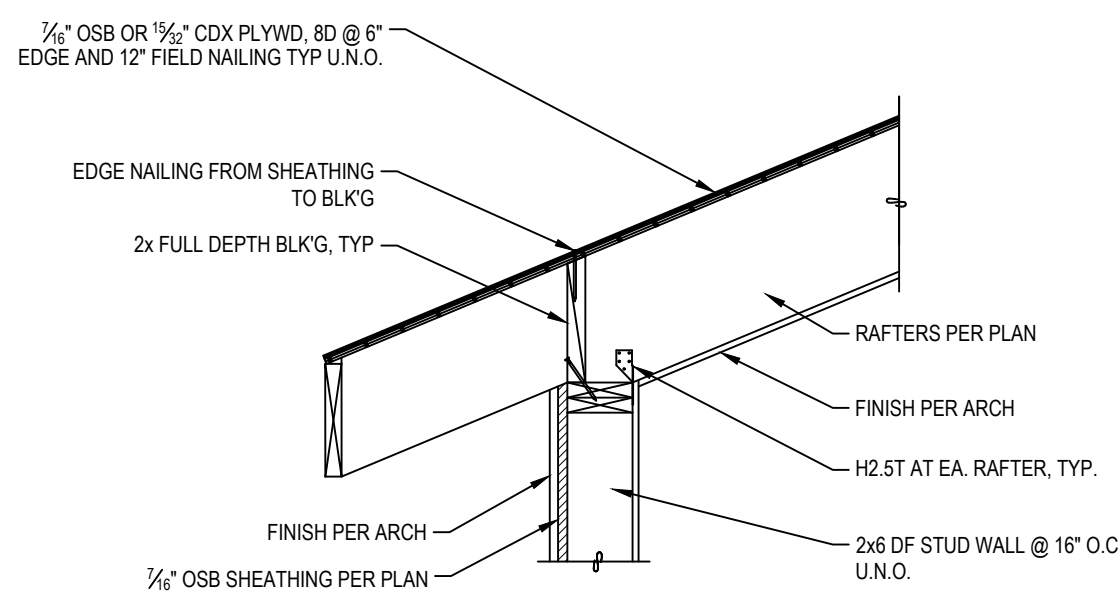
11



TYPICAL TRUSS TO TOP PLATE

SCALE - 1" = 1'-0"

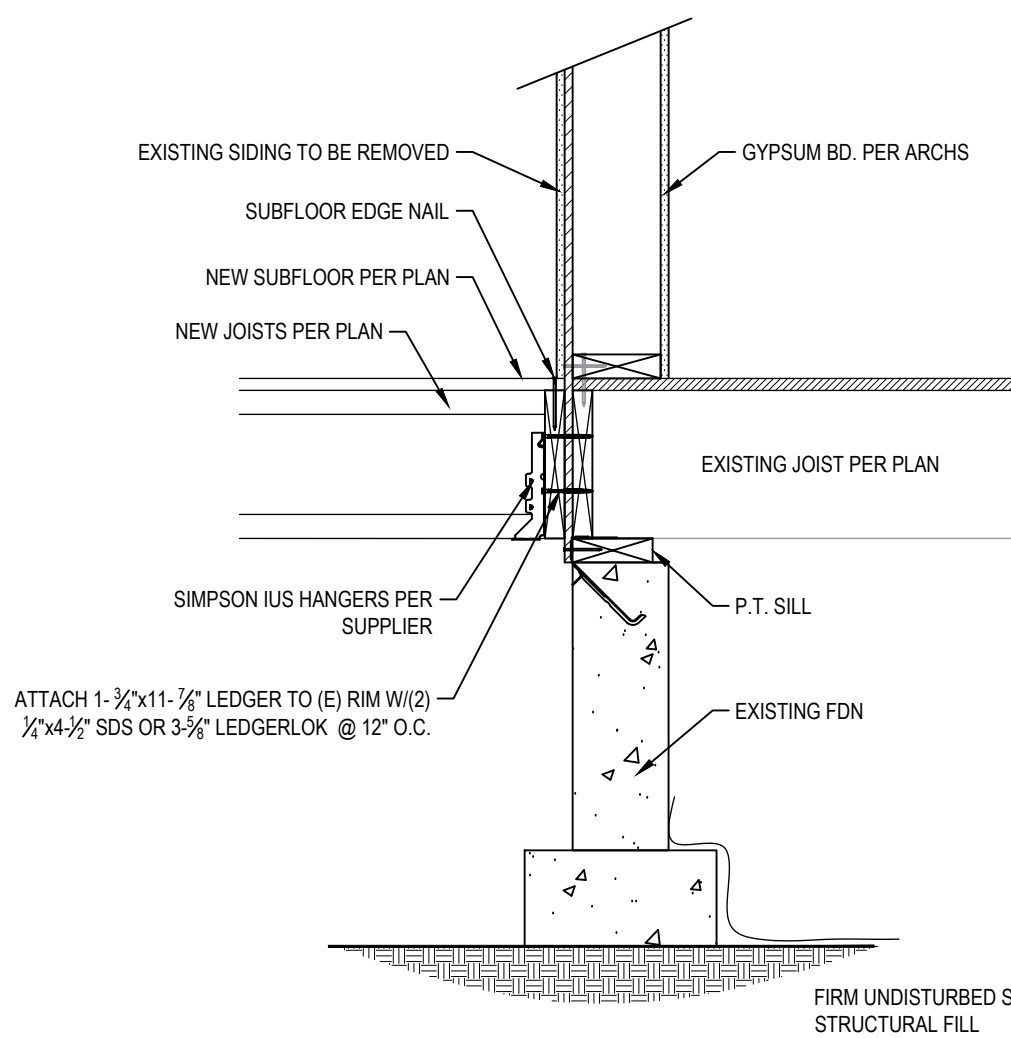
12



RAFTER TO TOP PLATE

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

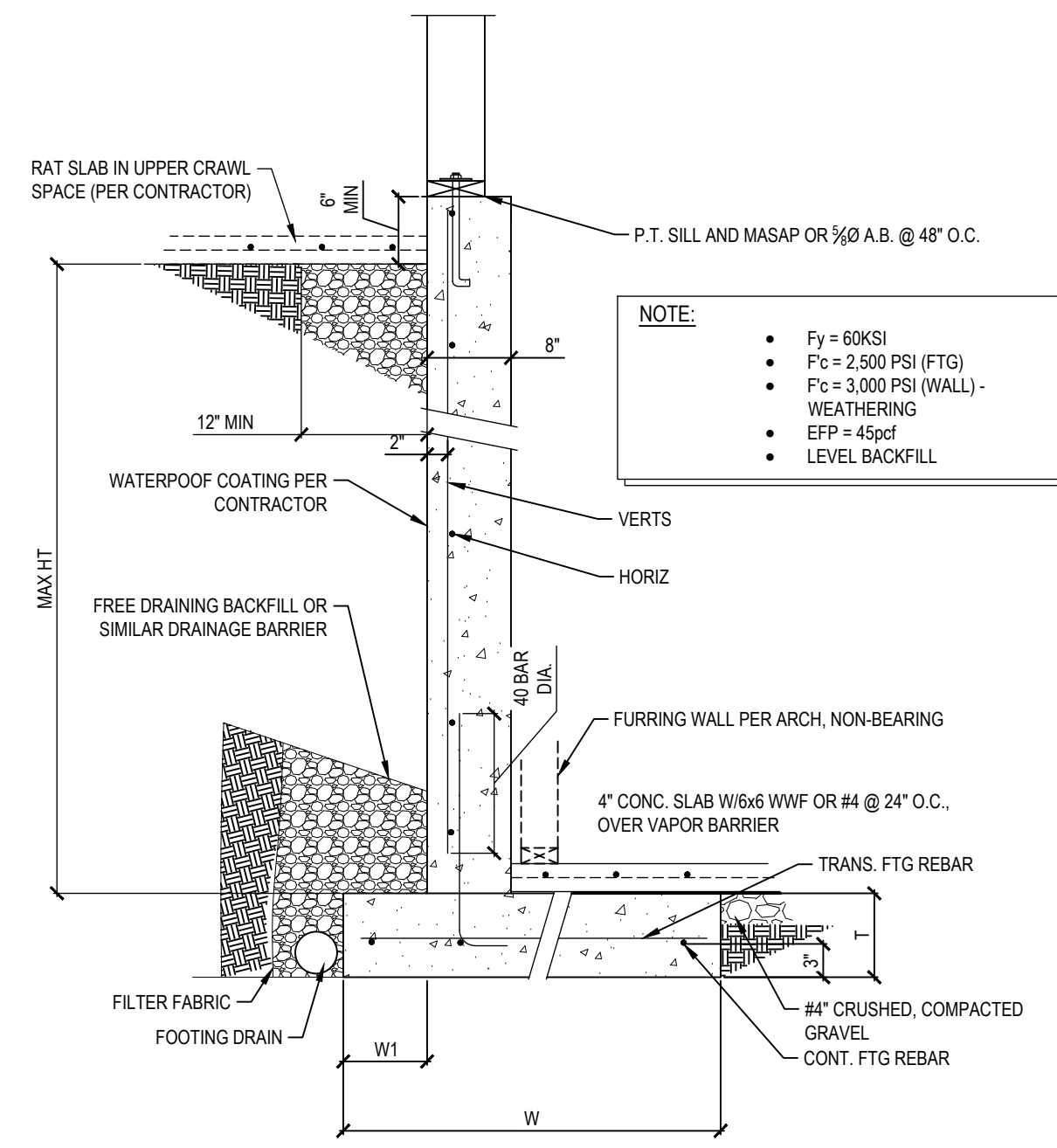
13



NEW FLOOR JOIST ATTACHMENT

SCALE - 1" = 1'-0"

14



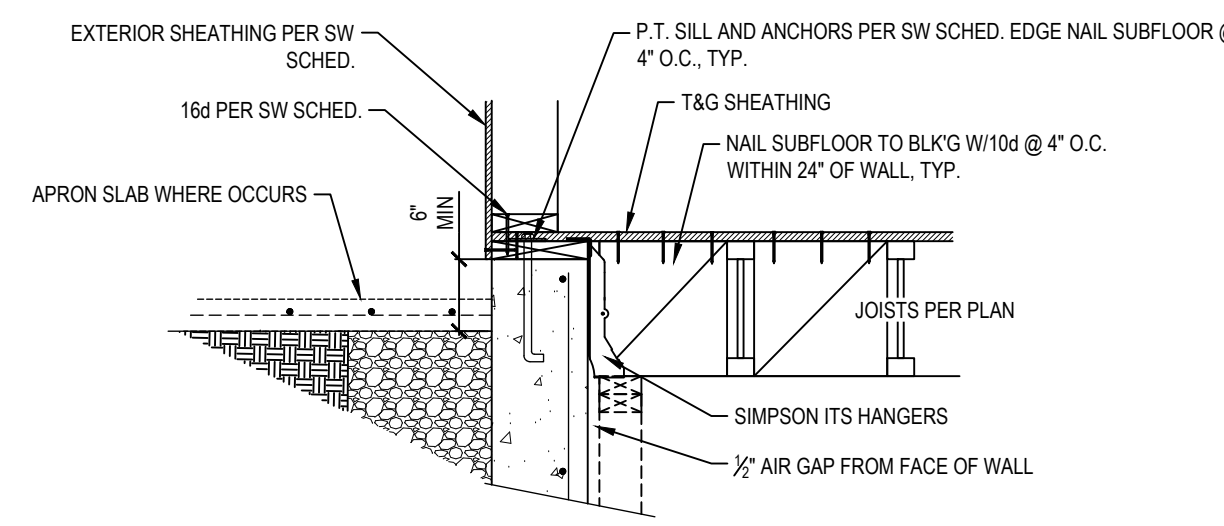
RETAINING WALL SCHEDULE (SEE WALL SECTION DETAIL)

MAX HT	W1	W	T	CONT. FTG	TRANS FTG	HORIZ	VERTS
4'-0"	6"	2'-6"	11 1/2"	(2) #4	N/A	#4@12" O.C.	#4@18" O.C.
5'-0"	6"	3'-0"	11 1/2"	(3) #4	N/A	#4@12" O.C.	#4@13" O.C.
6'-0"	6"	3'-6"	11 1/2"	(3) #4	#4 @ 9" O.C.	#4@12" O.C.	#4@13" O.C.
8'-0"	6"	5'-0"	11 1/2"	(4) #4	#4 @ 8" O.C.	#4@12" O.C.	#4@8" O.C.

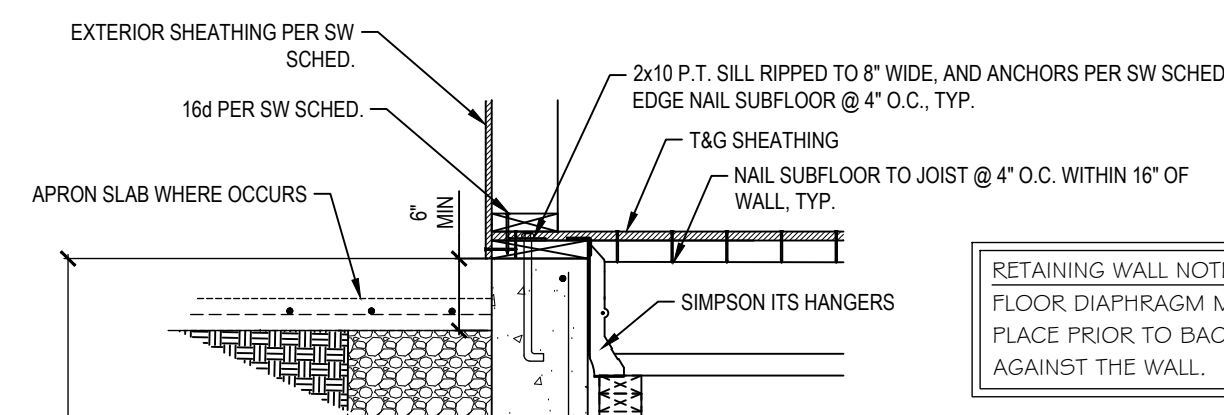
CANTILEVERED RETAINING WALL SECTION

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

9

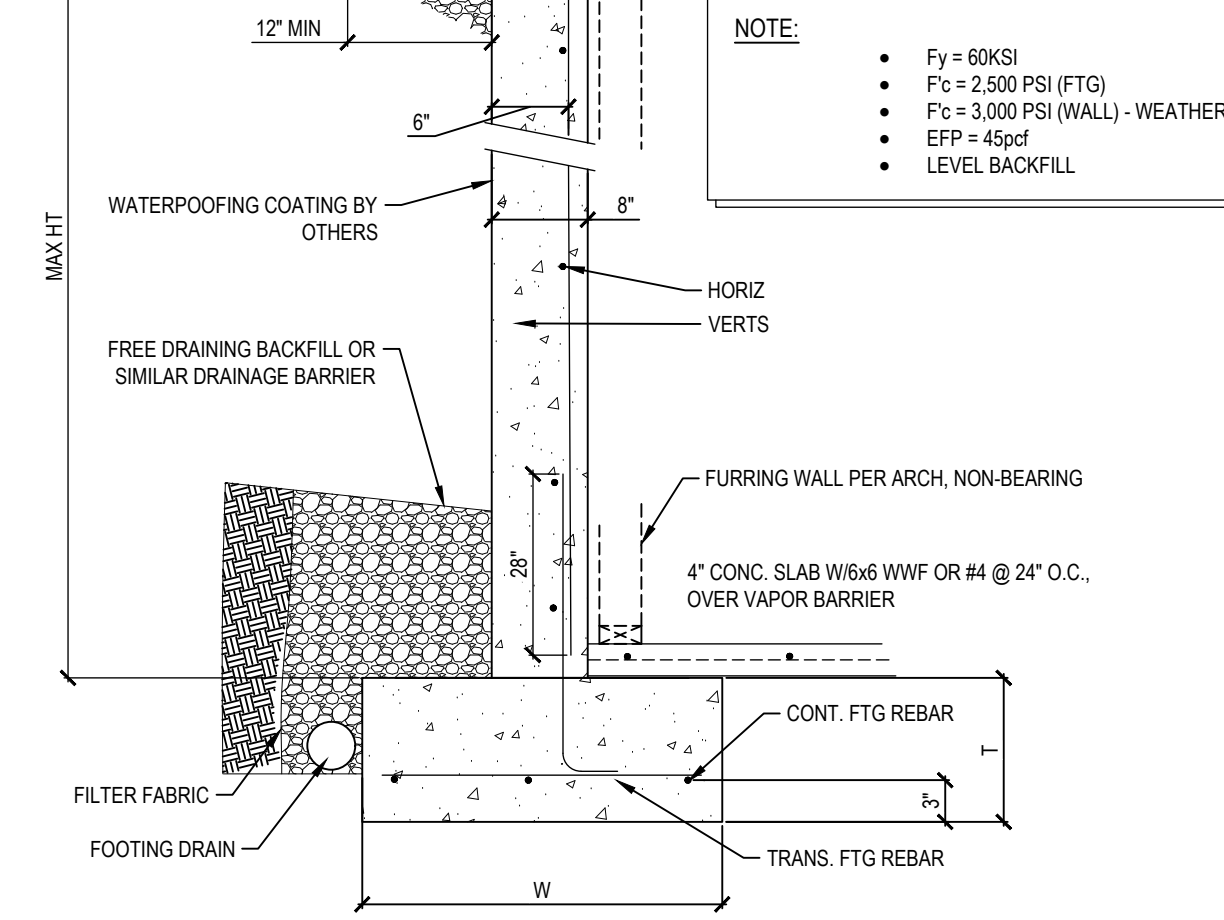


AT PARALLEL JOISTS



RETAINING WALL NOTES:
FLOOR DIAPHRAGM MUST BE IN PLACE PRIOR TO BACKFILLING AGAINST THE WALL.

NOTE:
• Fy = 60KSI
• Fc = 2,500 PSI (FTG)
• Fc = 3,000 PSI (WALL) - WEATHERING
• EFP = 45pd
• LEVEL BACKFILL



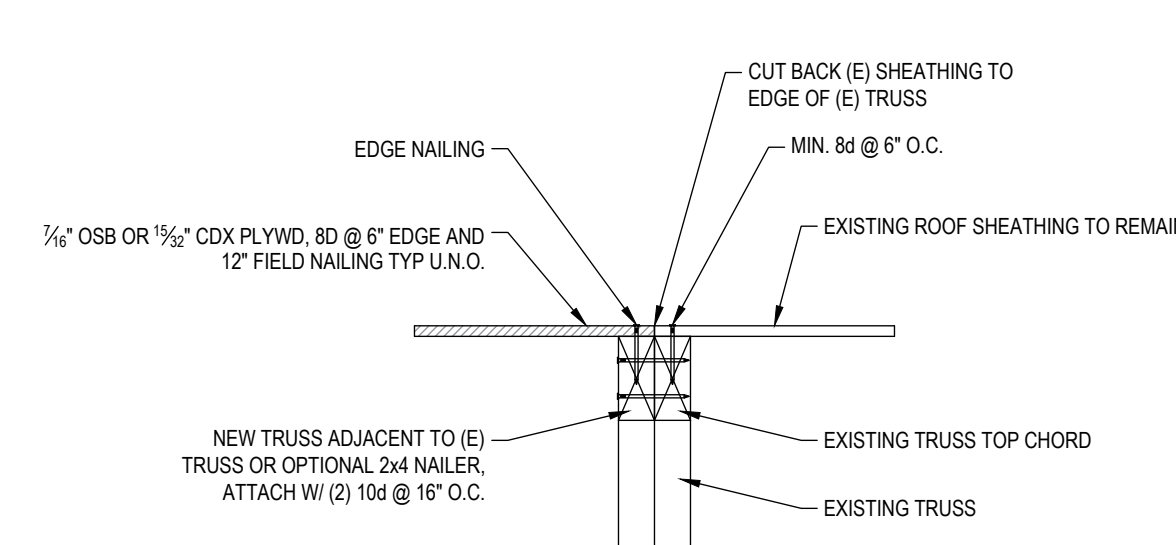
RETAINING WALL SCHEDULE

MAX HT	W1	T	CONT. FTG	TRANS FTG	HORIZ	VERTS
10'-0"	2'-6"	12"	(3) #4	#4 @ 16" O.C.	#4@12" O.C.	#5 @ 8" O.C.

RESTRAINED RETAINING WALL SECTION (SUBFLOOR TIED TO SILL PLATE)

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

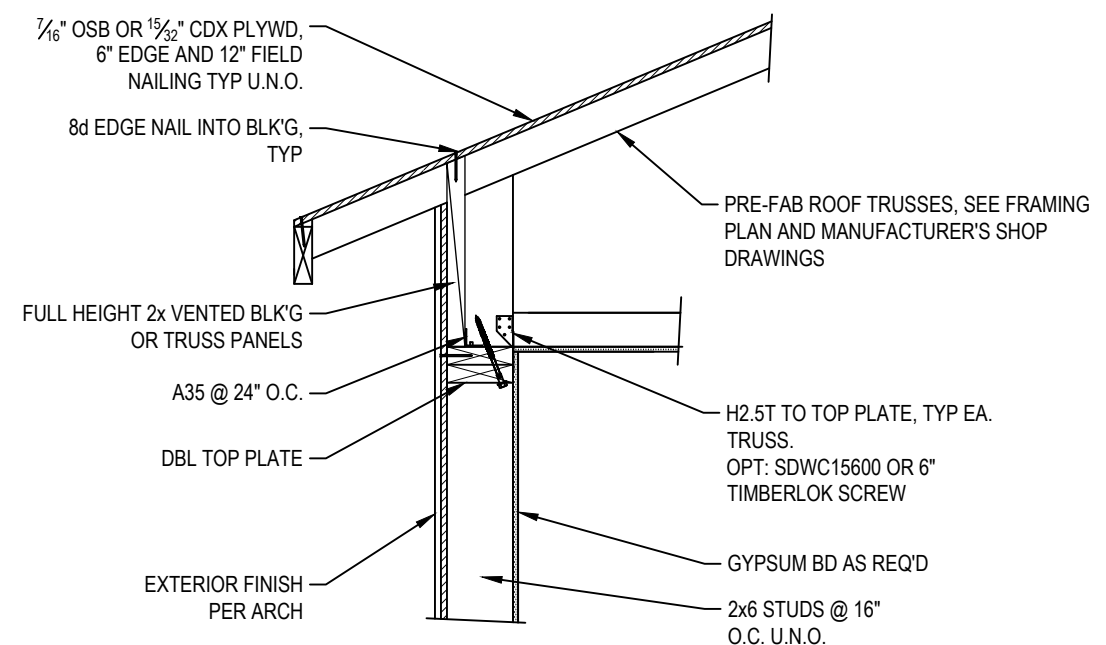
10



TYPICAL TRUSS TO TOP PLATE

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

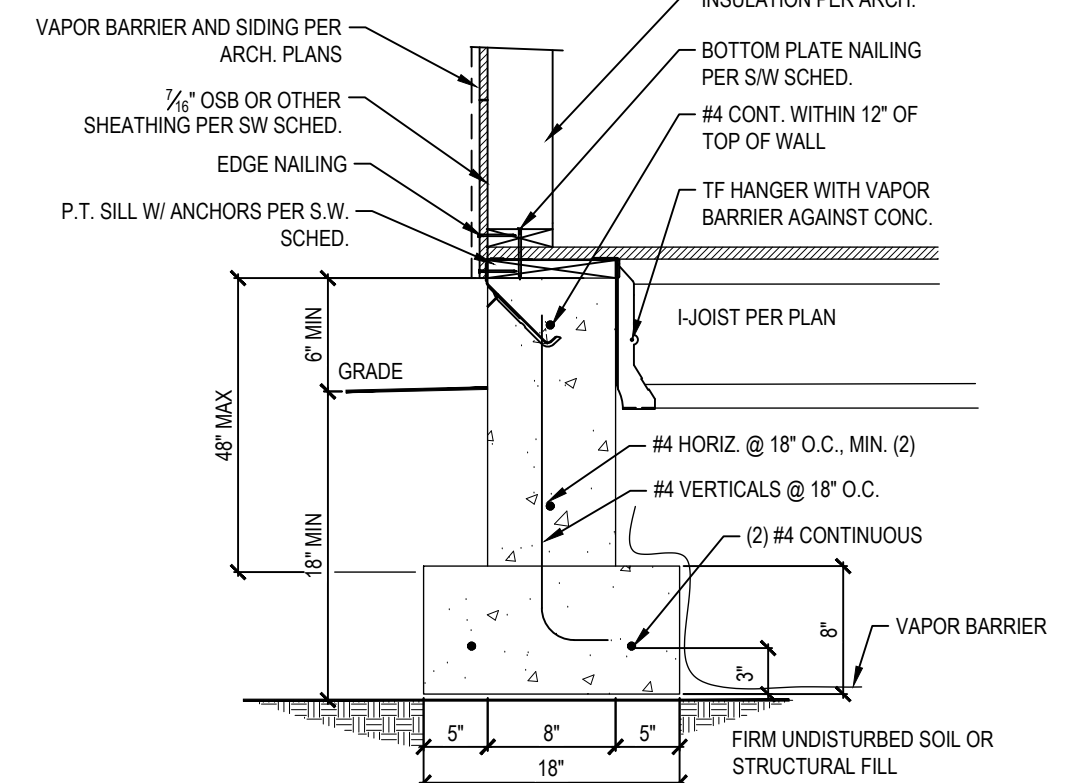
5



TYPICAL RAISED HEEL TRUSS TO TOP PLATE

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

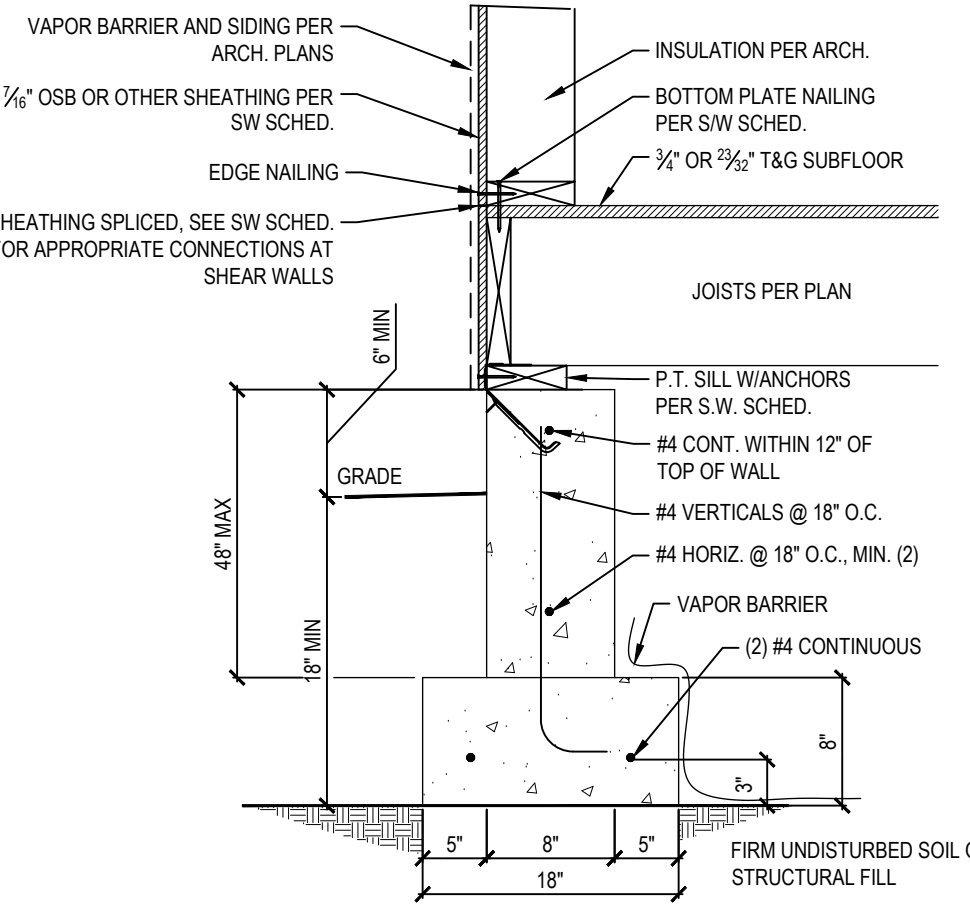
6



TYPICAL EXTERIOR FOOTING

SCALE - 3/4" = 1'

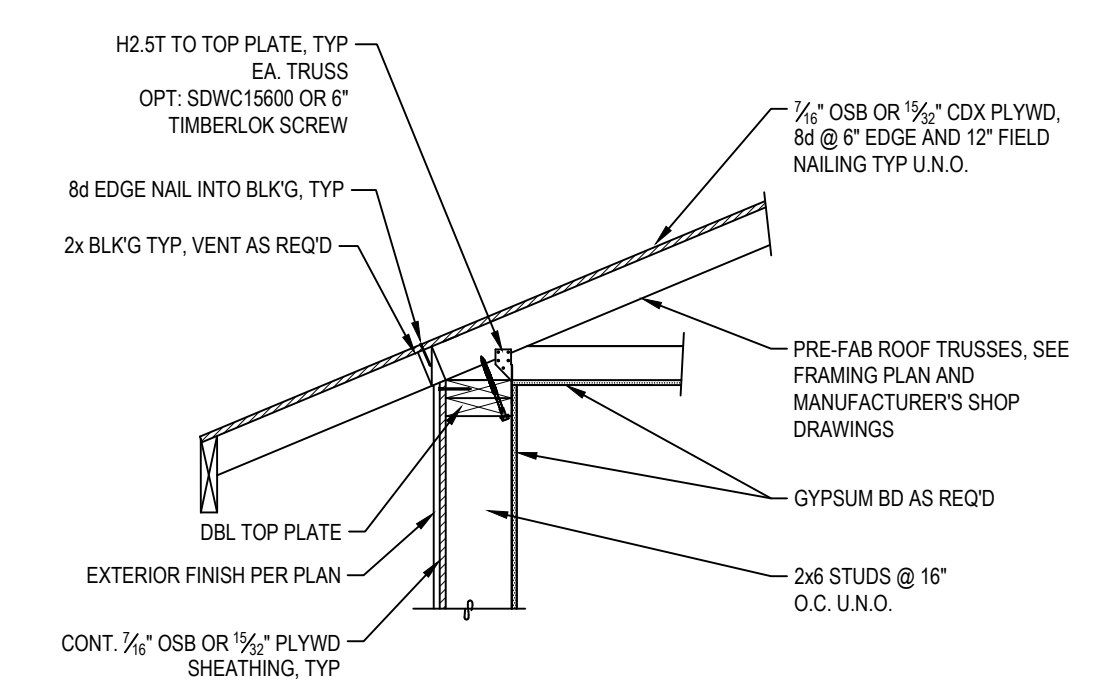
7



OPTIONAL EXTERIOR FOOTING

SCALE - 1" = 1'-0"

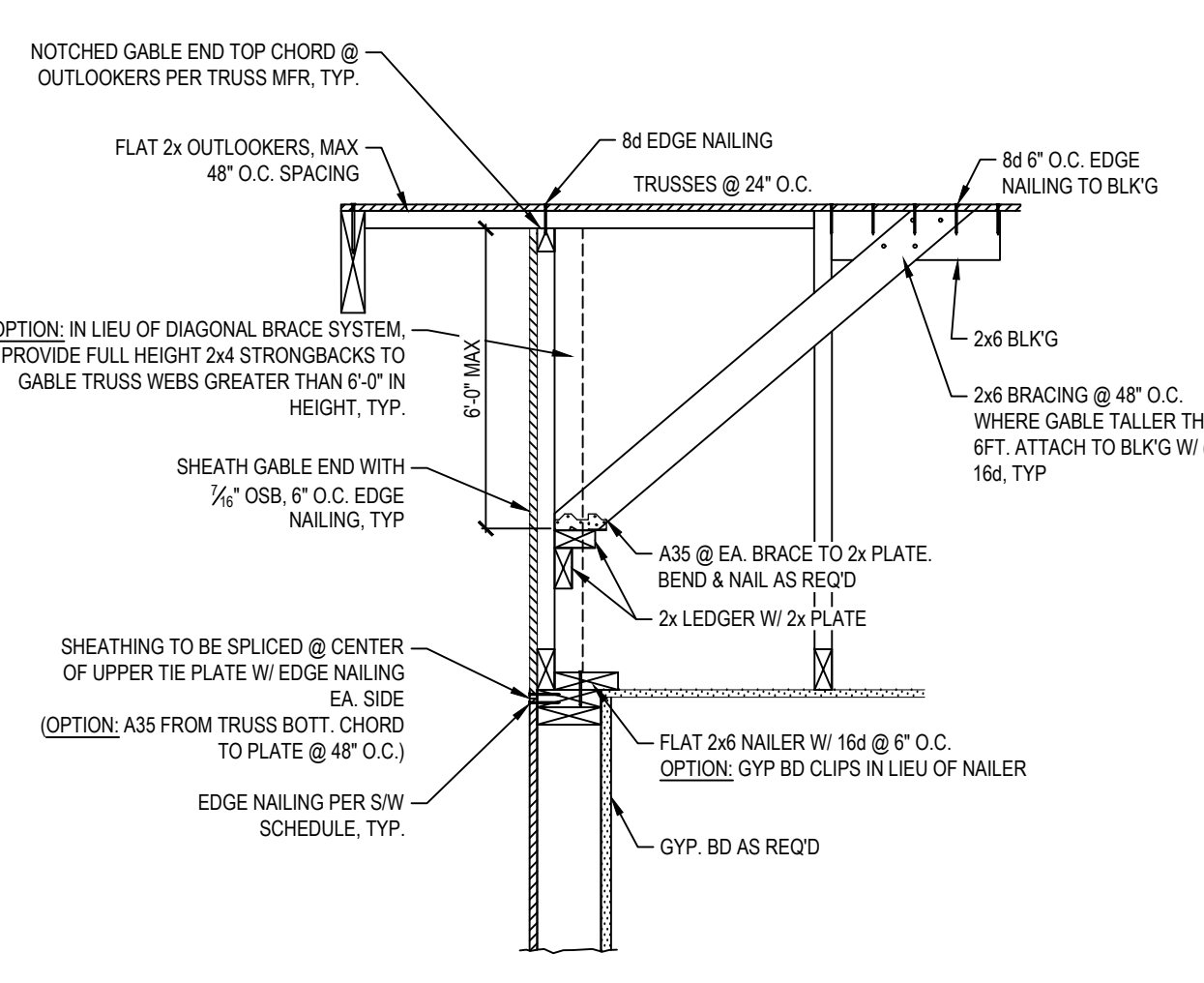
8



TYPICAL TRUSS TO TOP PLATE

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

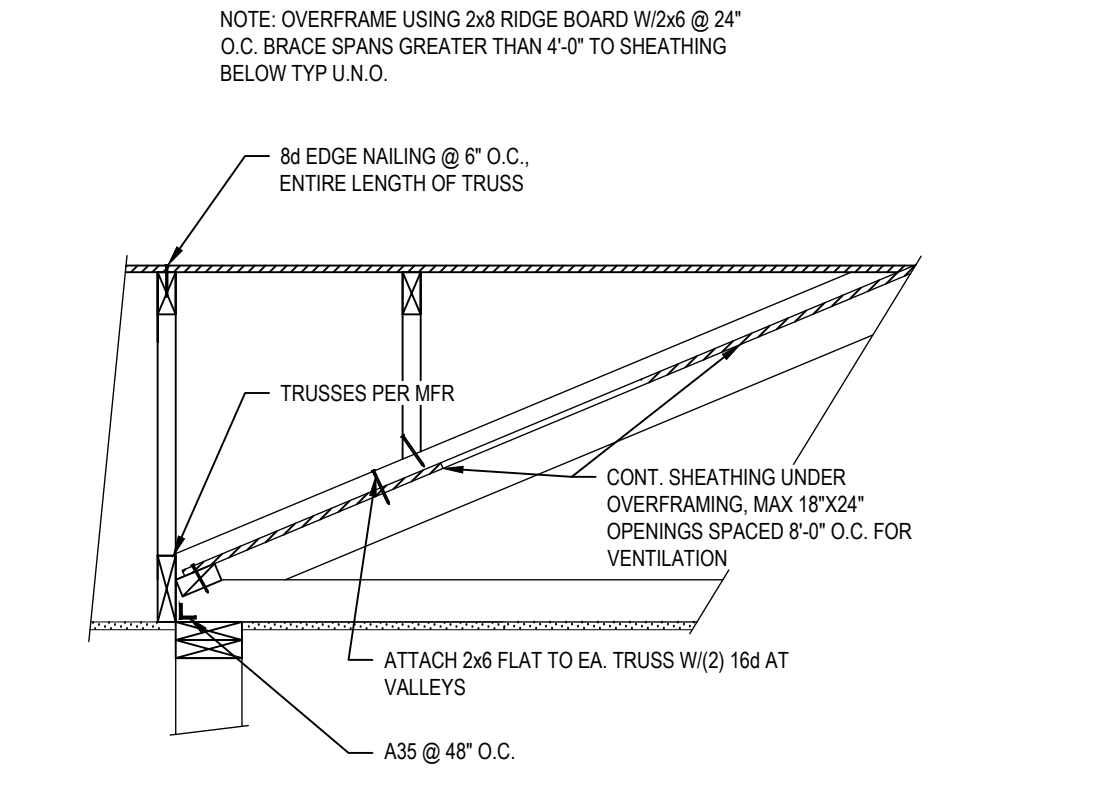
1



GABLE END ATTACHMENT

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

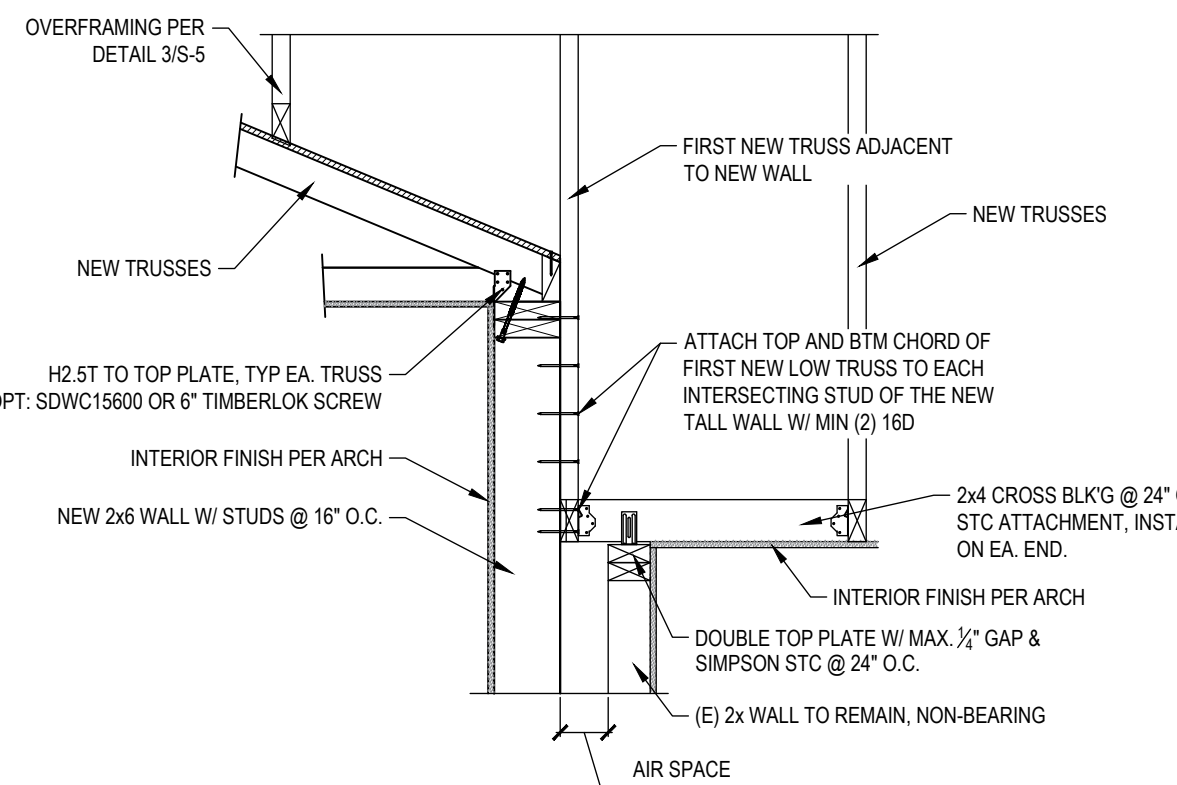
2



TYP. OVERFRAMING DETAILS

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

3



STEP IN PLATE HEIGHT

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

4



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Plans are designed for ARCHD (24" x 36" Size Paper Only) - Do Not Scale **

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