

- 1. DESIGN CRITERIA:**
- A. DESIGNED USING INTERNATIONAL BUILDING CODE, 2016 EDITION
  - B. ROOF LIVE LOAD/SNOW LOAD = 5 PSF
  - C. ROOF DEAD LOAD = 17 PSF
  - D. FLOOR LIVE LOAD = 40 PSF
  - E. FLOOR DEAD LOAD = 12 PSF
  - F. WIND SPEED = 150 MPH
  - G. EXPOSURE TYPE = C
  - H. SEISMIC PARAMETERS, Ss = 0.74
  - I. SEISMIC PARAMETERS, Si = 0.23
  - J. MINIMUM FROST DEPTH = 12 INCHES

- 2. FOUNDATIONS & SLAB ON GRADE:**
- A. ALL FOOTING AND FOUNDATION DESIGNS ARE BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 1,500 PSF BEARING ON COMPETENT NATIVE SOIL (CODE MINIMUM). IF THE SITE HAS A LOWER BEARING CAPACITY THAN ASSUMED THE FOUNDATION PLAN WILL NEED TO BE REDESIGNED. IF SOIL IS DISTURBED, COMPACT SOIL IN 6" LIFTS TO 95% MAXIMUM DRY DENSITY PER ASTM D950.
  - B. MINIMUM FROST DEPTH FROM LOWEST ADJACENT FINISH GRADE TO BOTTOM OF FOOTING SHALL BE MAINTAINED FOR ALL EXTERIOR FOOTINGS.
  - C. CONTRACTOR TO VERIFY LOCATIONS FOR STEP FOOTINGS AND FOUNDATION WALLS BASED ON SITE RELATED FINISHED GRADE. IF NECESSARY, FOOTING STEPS ARE TO BE A MAXIMUM OF (2) VERTICALLY TO (1) HORIZONTALLY.
  - D. ALL SLABS SHALL HAVE REINFORCING PER PLANS & CONTROL JOINTS @ 10'-0" SPACING MAX.
  - E. ALL STRUCTURAL FILL BELOW FOOTINGS SHALL EXTEND OUT PAST FOOTINGS AT A SLOPE OF 1 HORIZONTAL TO 2 VERTICAL TO COMPETENT SOILS.
  - F. PROVIDE ADEQUATE DRAINAGE BEHIND ALL WALLS TO ALLEVIATE ANY STANDING WATER.
  - G. ALL CONCRETE PAD & APRON LOCATIONS TO BE SECURED TO FOUNDATION WITH #4 DOWELS @ 24" O.C. EXTEND EXPOSED SIDES A MINIMUM OF 24" BELOW FINISHED GRADE.
  - H. MINIMUM CONCRETE SLAB DEPTH IS 4".

- 3. CONCRETE:**
- A. THE MINIMUM COMPRESSIVE STRENGTHS FOR CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS (DESIGNED USING 2,500 PSI):
    1. ALL FOOTINGS, FOUNDATIONS, AND STEM WALLS FC = 3,000 PSI
    2. SLABS ON GRADE FC = 3,500 PSI
  - B. MINIMUM CLEAR PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS:
    1. PLACED DIRECTLY AGAINST EARTH
    2. FORMED SURFACES #2 BARS OR SMALLER 1-1/2"
    3. STRUCTURAL SLABS 1"
  - C. SAWN CONTROL & CONSTRUCTION JOINTS SHALL BE MADE AS SOON AS POSSIBLE WITHOUT DAMAGE TO THE SURFACE. FILLING OF SAWN JOINTS WHERE REQUIRED SHALL BE DELAYED AS LONG AS POSSIBLE TO ALLOW MAXIMUM SHRINKAGE TO OCCUR IN SLABS.
  - D. ALL EMBEDDED ANCHOR BOLTS SHALL BE A36 OR A307 STEEL W/ 7" MIN. EMBEDMENT. ANCHOR BOLTS TO BE WITHIN 1"-0" OF SILL PLATE ENDS, WITH A MIN. OF TWO PER WALL AND NO CLOSER THAN 6" FROM CONCRETE WALL CORNERS. REFER TO LOG MANUFACTURER'S SPECIFIC BOLT PLAN FOR LOG WALL ANCHORS. DO NOT POUR FOUNDATION WITH OUT LOG MANUFACTURER'S BOLT PLAN.
  - E. WET SETTING OF REINFORCING BARS IN FOOTINGS AND WALLS IS NOT ALLOWED.
  - F. BLOCK-OUT ALL STEM WALLS @ ENTRIES AS REQUIRED.
  - G. CONCRETE FORM WORK TO BE OF ADEQUATE STRENGTH AND BRACED TO PREVENT DEFORMATION.
  - H. PROTECT ALL CONCRETE FROM FREEZING.
  - I. ALL LOWER LEVEL AND RETAINING WALLS WHICH HAVE FILL HIGHER THAN AN INTERIOR FLOOR LEVEL SHALL HAVE AN APPROVED WATERPROOFING MEMBRANE APPLIED.
  - J. PROVIDE ADEQUATE TEMPORARY BRACING OF CONCRETE ANCHOR WALL RETAINING WALLS DURING BACKFILL PRIOR TO INSTALLATION OF MAIN FLOOR FRAMING AND BASEMENT CONCRETE SLAB ON GRADES. WALL DESIGNS ARE BASED ON TOP OF WALL RESTRAINED BY FINISHED FLOOR SYSTEM AND RESISTING SLIDING BY HAVING BASEMENT CONCRETE SLAB ON GRADE FLOOR INSTALLED.
  - K. IT IS RECOMMENDED THAT ALL GRADING, EXCAVATION, AND INSTALLATION OF FOUNDATIONS BE PERFORMED UNDER THE INSPECTION AND TESTING OF A QUALIFIED GEOTECHNICAL CONSULTANT DURING THE CRITICAL STAGES OF CONSTRUCTION.
  - L. STAIN & TEXTURE OF EXPOSED CONCRETE SURFACES PER OWNERS DIRECTION.

- 4. REINFORCING STEEL:**
- A. ASTM A615, GRADE 60, BARS TO BE WELDED SHALL BE ASTM A706, GRADE 60.
  - B. MINIMUM LENGTH OF LAPPED SPLICES SHALL BE 48 TIMES BAR DIAMETER UNLESS NOTED OTHERWISE. STAGGER SPLICES IN WALLS SO THAT NO TWO ADJACENT BARS ARE SPLICED IN THE SAME LOCATION.
  - C. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, FY = 75,000 PSI.
  - D. REINFORCING SHALL BE CONTINUOUS THROUGH ALL COLD JOINTS.
  - E. PROVIDE CORNER BARS W/ 16' LEGS AT CORNERS AND INTERSECTING WALLS AND FOOTINGS. SIZE AND PLACEMENT TO MATCH HORIZONTAL REINFORCEMENT.
  - F. PROVIDE #4 HORIZONTALS AT TOP OF WALL, CONT. IN FOOTINGS, AND ABOVE ALL OPENINGS. WINDOWS AND AT 10'-0" O.C. MAXIMUM OR PER PLANS.
  - G. PROVIDE #4 VERTICALS AT 24" O.C. W/ STANDARD HOOK EXTENDING INTO FOOTING AT EACH SIDE OF WALL OPENINGS AND AT EACH END OF WALLS.
  - H. PROVIDE FOUNDATION HOLLOWDAYS AT ALL SHEAR WALL LOCATIONS PER PLAN, IF APPLICABLE.
- 5. WOOD FRAMING:**
- A. STRUCTURAL LUMBER SHALL BE DOUGLAS FIR-LARCH (DF-L) #2 OR BETTER.
  - B. WOOD INSTALLED WITHIN 1" OF CONCRETE OR MASONRY SHALL BE REDWOOD OR PRESSURE TREATED.
  - C. PROVIDE WET USE ADHESIVES.
  - D. MAXIMUM LUMBER MOISTURE CONTENTS SHALL BE 15%.
  - E. ALL FRAMING DETAILS SHALL BE IN ACCORDANCE WITH THE ADOPTED CODE.
  - F. PROVIDE SOLID BLOCKING BELOW ALL BEARING WALLS AND POSTS. PROVIDE BLOCKING @ 24" O.C. @ JOISTS PARALLEL WITH BEARING WALLS ABOVE.
  - G. MINIMUM HEADER AT BEARING WALL TO BE 4X6 WITH 4X6 BEARING STUD PLUS KING STUD EACH SIDE. HEADERS WITH LARGER LOADING WILL BE CALLED OUT IN PLANS.

- H. BLOCK AND NAIL ALL HORIZONTAL PANEL EDGES AT SHEAR WALLS.**
1. ROOF SHEATHING: 19/32" CDX MIN. (321/16) SPAN RATING 100 @ 2' 1/2" O.C. EDGE AND 1/2" O.C. FIELD (U.N.O.)
  2. FLOOR SHEATHING: 3/4" CDX MIN. (49/24) SPAN RATING 100 @ 6" O.C. EDGE AND 1/2" O.C. FIELD (U.N.O.)
  3. EXT. WALL SHEATHING: 1/2" CDX MIN. (24/0) SPAN RATING ALL SPAN RATINGS TO MEET LOCAL CODES.
- I. ORIENTED STRAND BOARD (OSB) WITH THE SAME SPAN RATING MAY BE SUBSTITUTED.
  - J. ALL EXTERIOR WALLS TO BE 2X6 @ 16" O.C. AND AT INTERIOR NON-LOAD BEARING PARTITIONS TO BE 2X4 @ 16" O.C. STUD WALLS (U.N.O.).
  - K. 2X DIMENSIONAL STUDS ARE TO BE STANDARD (DF-L) #2 OR BETTER WESTERN WHITE WOODS (WWW)
  - L. PROVIDE STEEL STRAPS AT PIPES IN STUD WALLS AS REQUIRED BY THE ADOPTED CODE.
  - M. OVER-FRAMING SHALL BE DONE SUCH THAT VERTICAL LOADS ARE TRANSFERRED TO MAIN STRUCTURE BELOW BY DIRECT BEARING AT SPACING NOT TO EXCEED 24" O.C.
  - N. METAL HANGERS AND CONNECTIONS ARE 'SIMPSON' AND SHALL BE INSTALLED PER 'SIMPSON' RECOMMENDATIONS.
  - O. ENGINEERED "I" JOISTS TO BE DESIGNED, CERTIFIED, ERECTED, INSTALLED, AND BRACED PER MANUFACTURER'S SPECS. ALL REFERENCES ON PLANS ARE FOR TRUSS-JOIST, A WETTER/HAUSER BUSINESS PRODUCT. USE THESE PRODUCTS OR AN EQUIVALENT APPROVED MANUFACTURER.
  - P. SHEATHING SHALL BE APA RATED EXPOSURE 1
  - Q. STAGGER SHEATHING END JOINTS 4'-0"
  - R. PROVIDE 1/4" SPACE AT ALL PANEL EDGES FOR EXPANSION.
  - S. FRAME INTERIOR BEARING WALLS SHORT TO ACCOUNT FOR LOG SETTLING.
  - T. FRAME INTERIOR POSTS SHORT TO ACCOUNT FOR LOG SETTLING. USE REMOVABLE SHIMS OR SETTLING JACK AS NECESSARY.
  - U. ALL WINDOW SIZES ARE NOMINAL. VERIFY ACTUAL LOG OPENINGS WITH LOG 4 WINDOW MANUFACTURERS.
  - V. ALL MICROSLAM LVL'S SHALL HAVE THE MINIMUM SECTION PROPERTIES OF FB = 2900 PSL, FV = 285 PSL, E = 2,000,000 PSL.
  - W. ALL ROOF OPENINGS GREATER THAN 1 2X12" SHALL BE FRAMED IN OPENINGS.
  - X. GLUE-LAM BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4 FOR SIMPLY SUPPORTED AND 24F-V6 FOR CANTILEVERED BEAMS, FB = 2400 PSL, FV = 165 PSL, E = 1,600,000 PSL. PROVIDE WET USE GLUE ON ALL EXTERIOR LOCATIONS.

- 6. STRUCTURAL STEEL:**
- A. BOLTS AND LAGS SHALL CONFORM TO ASTM A36 (U.N.O.)
  - B. STEEL TUBES TO CONFORM TO ASTM500, GRADE B (FY = 40KSI)
  - C. PROVIDE WILD STEEL PLATE WASHERS AT ALL BOLT HEADS AND NUTS BEARING AGAINST WOOD.
  - D. ALL WORK SHALL BE IN ACCORDANCE WITH THE 9TH EDITION, OR 1ST EDITION LRFD MANUAL OF AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
  - E. ALL WELDING SHALL BE PERFORMED PER AWS D1.1 WITH A MINIMUM WELD SIZE OF 3/16" AND WITH E70XX ELECTRODE.
  - F. MACHINE BOLTS SHALL BE ASTM A325 (U.N.O.)
  - G. PROVIDE LOCK WASHERS BETWEEN NUT AND CONNECTED STEEL.
  - H. ALL STEEL, INCLUDING NUTS, BOLTS, AND WASHERS EXPOSED TO WEATHER, SHALL BE GALVANIZED.

- 7. PRE-MANUFACTURED METAL PLATED TRUSSES:**
- A. PRE-MANUFACTURED TRUSS PROVIDER TO VERIFY ALL LOADING PATTERNS TO FOOTINGS BELOW.
  - B. PRE-MANUFACTURED TRUSS PROVIDER TO PROVIDE SUPPORT @ TRUSSES FOR LOADING SHOWN ON ALL PLANS, SECTIONS AND DETAILS. VERIFY SECOND FLOOR LOADING AND SPECIAL CASE POINT LOADING FROM LOG AND FRAMED ROOF SYSTEMS.
  - C. ALL PRE-MANUFACTURED ROOF TRUSSES SHALL BE DESIGNED FOR THE ROOF LOADS SHOWN AND ACCOUNT FOR ANY REQUIRED ADDITIONAL DRIFT, VALLEY, OR RAVE LOAD PER CODE. TRUSS SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD (E.O.R.) FOR REVIEW AND COMPLIANCE.
- 8. GENERAL STRUCTURAL NOTES:**
- A. CONTRACTOR TO VERIFY ALL OPENINGS, BUILDING DIMENSIONS, COLUMN LOCATIONS AND DIMENSIONS WITH OWNER AND LOG MANUFACTURER PRIOR TO POURING OF ANY CONCRETE FOUNDATIONS OR CONSTRUCTION.
  - B. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THESE PLANS UNLESS SUCH CHANGES ARE AUTHORIZED IN WRITING TO THE ENGINEER OF RECORD.
  - C. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING AND/OR TEMPORARY STRUCTURAL STABILITY FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR FINAL CONFIGURATION.
  - D. NOTCHING AND/OR CUTTING OF ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED, UNLESS PRIOR CONSENT IS GIVEN BY THE ENGINEER OF RECORD.

2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

THE PROPOSED BUILDING HAS BEEN DESIGNED TO MEET OR EXCEED THE REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE

CLIMATE ZONE	INSULATION AND PENETRATION REQUIREMENTS BY COMPONENT				CRAWL SPACE FLOOR FINISH
	ROOF U-FACTOR	CEILING R-VALUE	FLOOR FLOOR FINISH R-VALUE	WALL R-VALUE	
3	30	38	2 OR 1/8"	16	0
			2 OR 1/8"		0
					0

LIVING SPACE 836 sq. ft.

GARAGE 552 sq. ft.

COVID PORCH/DECK 814 sq. ft.

PROJECT NO. 22-032

GARAGE W/LIVING ABOVE FOR CHRIS AND KATIE WATKINS BEAUFORT, SC

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO CONSTRUCTION. REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

SHEET SIZE 24" x 36"

INITIAL DATE: 2/2/2023  
PRINT DATE: 10/11/2023

DRAWN BY: Steve

COVER SHEET

SMC Design  
SMC Design  
208.249.7288  
Nampa, ID

SHEET NUMBER A1  
PAGE 1 OF 15

SHEET INDEX

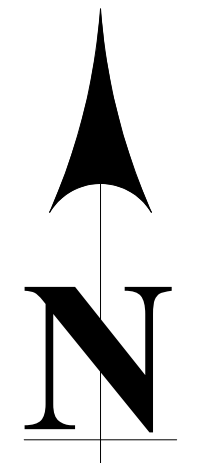
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	FLOOR PLANS
A4	FOUNDATION
A5	DETAIL VIEWS
A6	WALL BRACING
A7	FLOOR FRAMING - 2ND LEVEL
A8	ROOF LAYOUT - 1ST LEVEL
A9	ROOF LAYOUT - 2ND LEVEL
A10	ROOF LAYOUT - OVERVIEW
A11	ELEVATIONS
A12	ELEVATIONS
A13	SECTION VIEWS
A14	SECTION VIEWS
M1	ELECTRICAL







12 FINDERS LN  
1 IN = 10 FT



PAGE	SHEET INDEX
A1	TITLE
A2	COVER SHEET
A3	SITE PLAN
A4	FLOOR PLANS
A5	FOUNDATION
A6	DETAIL VIEWS
A7	WALL BRACING
A8	FLOOR FRAMING - 2ND LEVEL
A9	ROOF LAYOUT - 1ST LEVEL
A10	ROOF LAYOUT - 2ND LEVEL
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SITE PLAN

SMC Design  
SMC Design  
208.249.7288  
Nampa, ID

SHEET NUMBER  
A2  
PAGE 2 OF 15

GARAGE W/LIVING ABOVE  
FOR CHRIS AND KATIE WATKINS BEAUFORT, SC

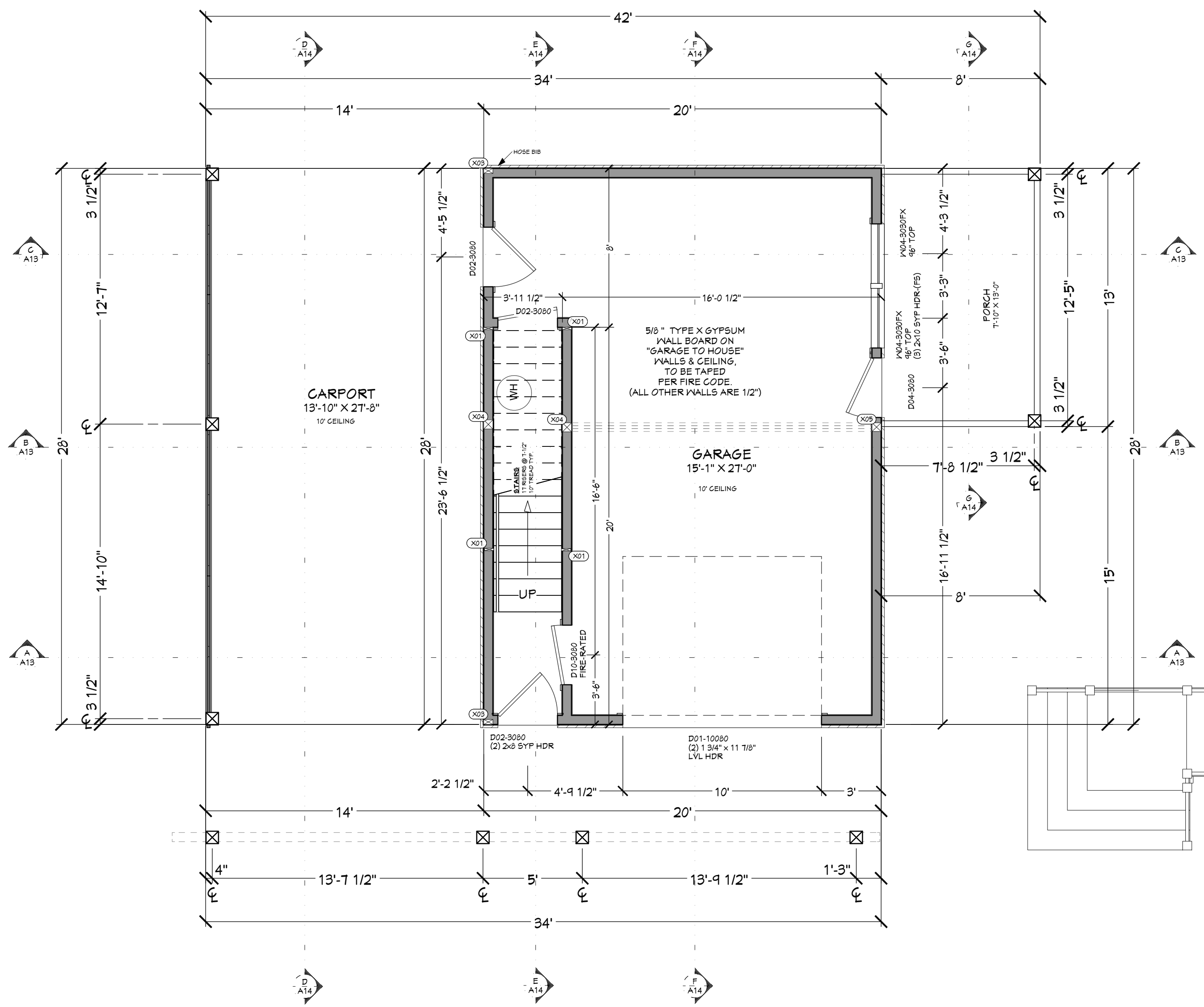
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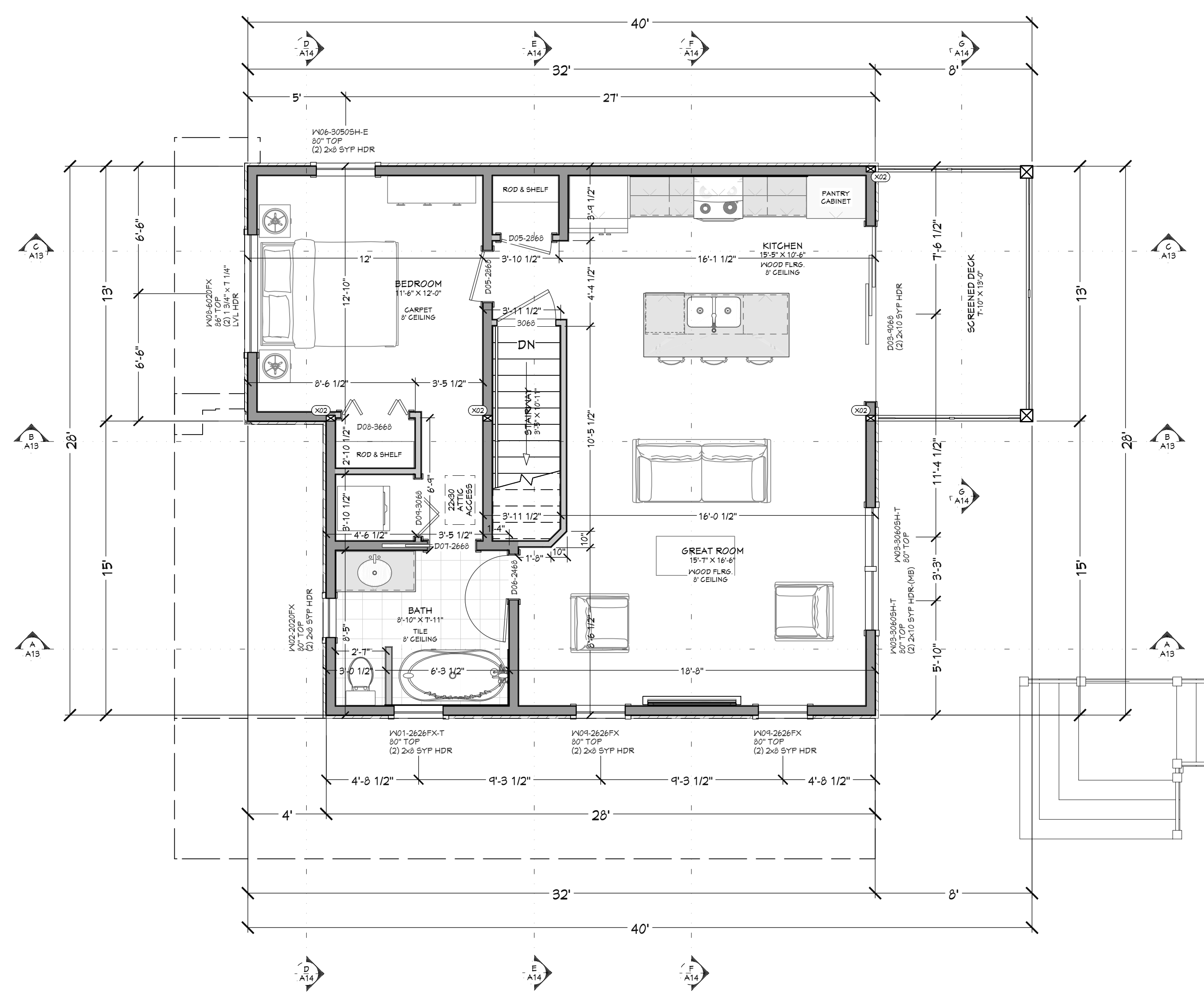
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FLOOR PLANS



FLOOR PLAN - 1ST LEVEL  
1/4 IN = 1 FT



FLOOR PLAN - 2ND LEVEL  
1/4 IN = 1 FT

LIVING SPACE	836	sq. ft.
GARAGE	552	sq. ft.
COV'D PORCH/DECK	814	sq. ft.

NO	BEARING SCHEDULE	BEARING AREA (X)
X01	1 1/2" X 5 1/2"	
X02	3 1/2" X 5 1/2"	
X03	3" X 5 1/2"	
X04	5 1/2" X 5 1/2"	
X05	5 1/4" X 5 1/2"	

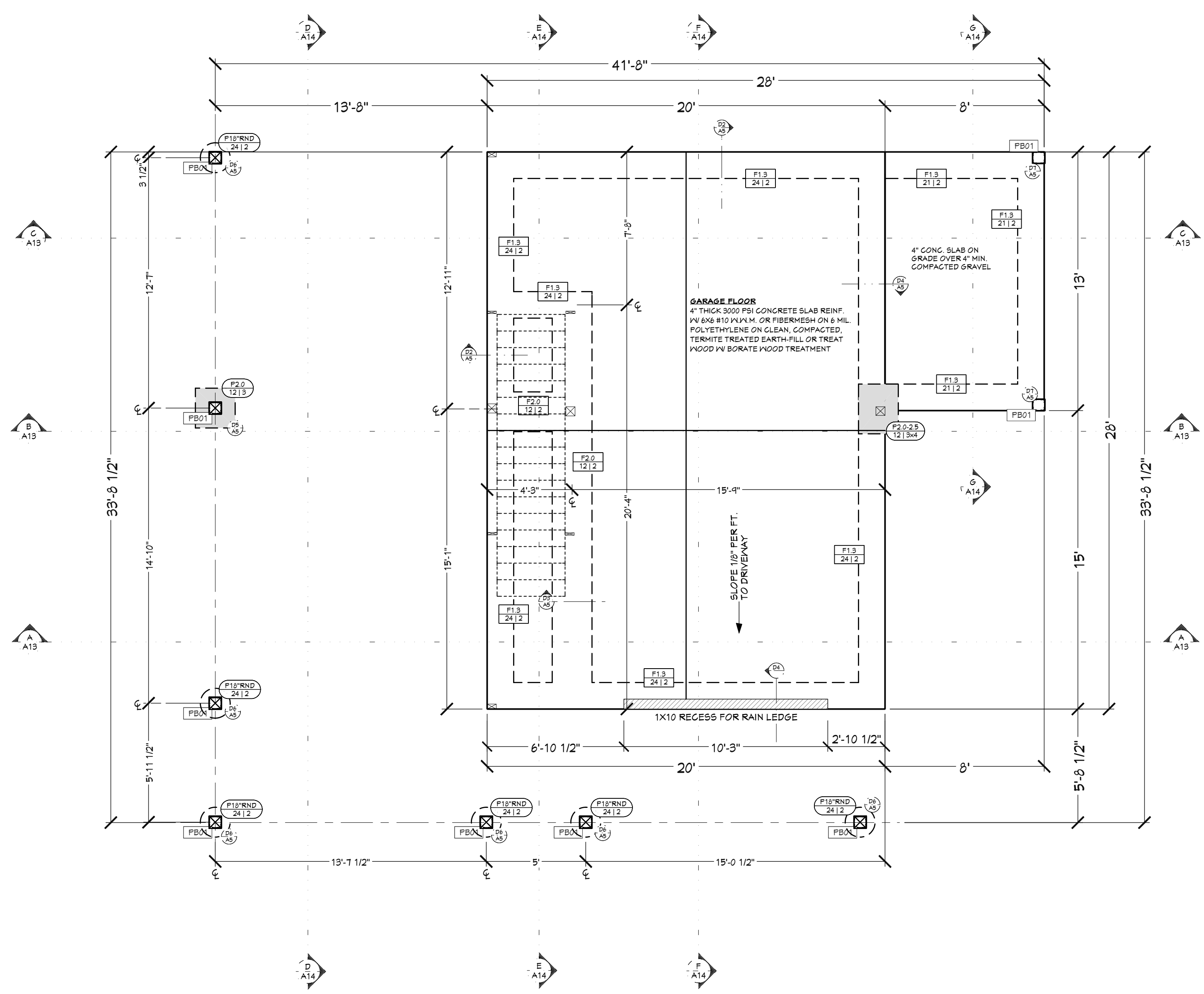
WINDOW/DOOR LABEL LEGEND											
TMR   NUMBER OF TRIMMERS @ EACH END (1 TRIMMER REQ'D UNO)											
KS   KING STUD (1 KING STUD UNO)											
FS   FULL SPAN HEADER (NO MID BEARING POINTS)											
MB   FULL WIDTH HEADER (MID SPAN BEARING POINTS)											
WINDOW SCHEDULE											
NUMBER	QTY	FLOOR	SIZE	WIDTH	HEIGHT	EGRESS	TEMPERED	DESCRIPTION	COMMENTS	CALC #	NUMBER
W01	1	2	2626FX	30"	30"			FIXED GLASS			W01
W02	1	2	2020FX	24"	24"			FIXED GLASS			W02
W03	2	2	3060SH	36"	72"		YES	SINGLE HUNG			W03
W04	2	1	3060FX	36"	36"			FIXED GLASS			W04
W06	1	2	3050SH	36"	60"	YES		SINGLE HUNG			W06
W08	1	2	6020FX	72"	24"			FIXED GLASS			W08
W09	2	2	2626FX	30"	30"			FIXED GLASS			W09

DOOR SCHEDULE										
NUMBER	QTY	FLOOR	SIZE	WIDTH	HEIGHT	TEMPERED	FIRE	COMMENTS	CALC #	NUMBER
D01	1	1	10000	120"	96"			GARAGE		D01
D02	3	1	3080 L FX	36"	96"			HINGED		D02
D03	1	2	9068 L FX	108"	80"			0+3-PANEL SLIDER		D03
D04	1	1	3080 R FX	36"	96"			HINGED		D04
D05	2	2	2468 R LN	32"	80"			HINGED		D05
D06	1	2	2468 L LN	28"	80"			HINGED		D06
D07	1	2	2668 R	30"	80"			POCKET		D07
D08	1	2	3668 LR	42"	80"			4 DR. BIFOLD		D08
D09	1	2	3068 R	36"	80"			2 DR. BIFOLD		D09
D10	1	1	3080 L FX	36"	96"		YES	HINGED		D10

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	FLOOR PLANS
A4	FOUNDATION
A5	DETAIL VIEWS
A6	WALL BRACING
A7	FLOOR FRAMING - 2ND LEVEL
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FOUNDATION PLAN  
1/4 IN = 1 FT

POST BASE SCHEDULE		
NUMBER	LABEL	QTY
PB01	ABUB2Z	4

PAD FOOTING SCHEDULE			
CALLOUT	FOOTING SIZE	REINFORCEMENT	QTY
F1.3 2412	18" DIA X 24"	(2) #5 REBAR E.W.	6
F2.0 1213	24" X 24" X 12"	(3) #5 REBAR E.W.	1
F2.2 2412	24" X 30" X 12"	(3X4) #5 REBAR GRID	1

CONTINUOUS FOOTING SCHEDULE (ALL FOOTINGS "F1.3" UNO)		
CALLOUT	FOOTING SIZE	REINFORCEMENT
F1.3 2412	16" X 21"	(2) #5 CONT. REBAR
F1.3 2412	16" X 24"	(2) #5 CONT. REBAR
F2.0 1212	24" X 12"	(2) #5 CONT. REBAR

FOUNDATION CONCRETE (EST.)  
FOOTING 2 Cu Yd  
CONCRETE SLAB 19 Cu Yd  
TOTAL CONCRETE 20 Cu Yd

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	FLOOR PLANS
A4	FOUNDATION
A5	DETAIL VIEWS
A6	WALL BRACING
A7	FLOOR FRAMING - 2ND LEVEL
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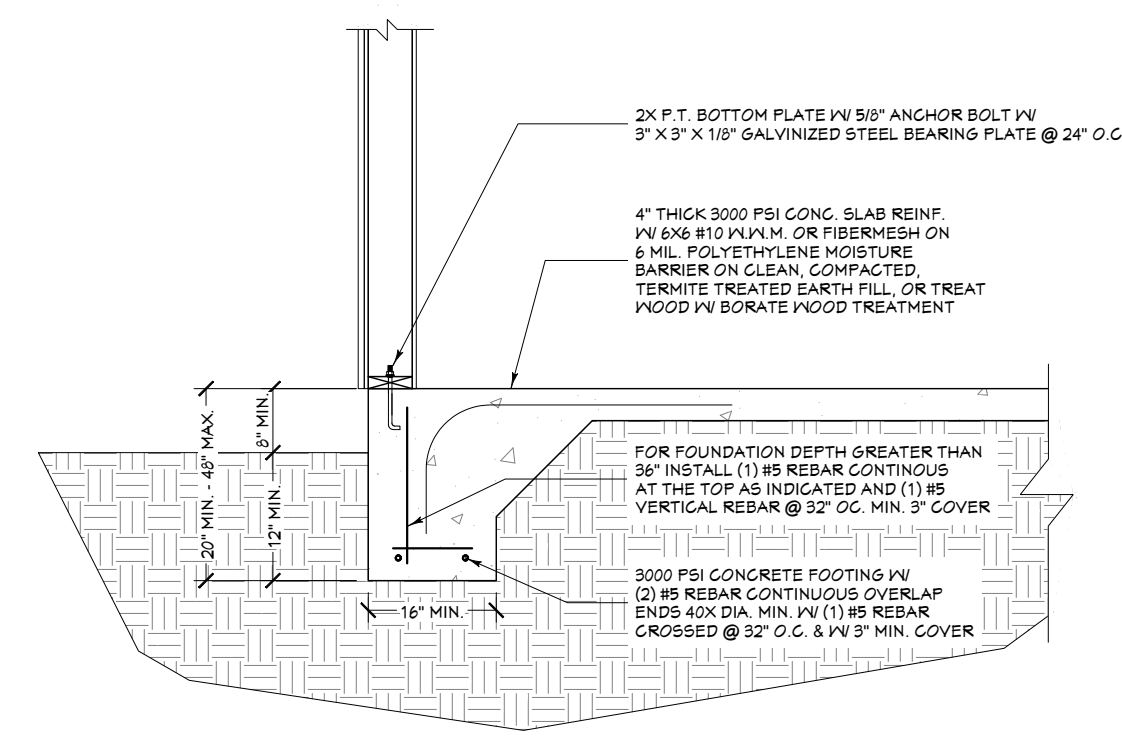
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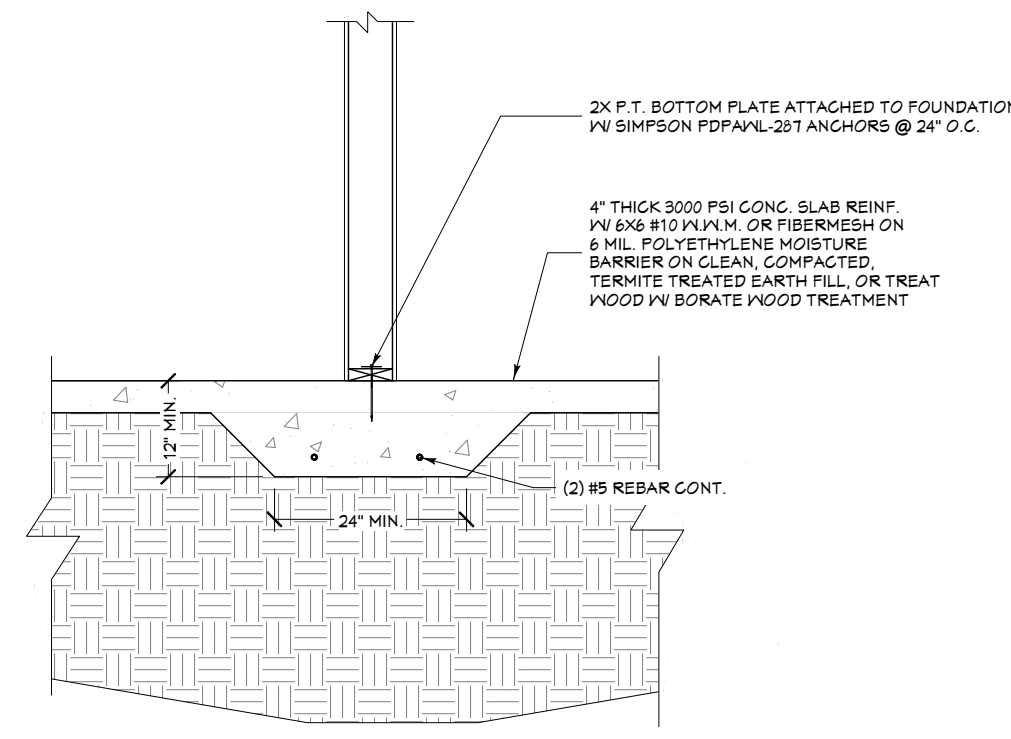
FOUNDATION



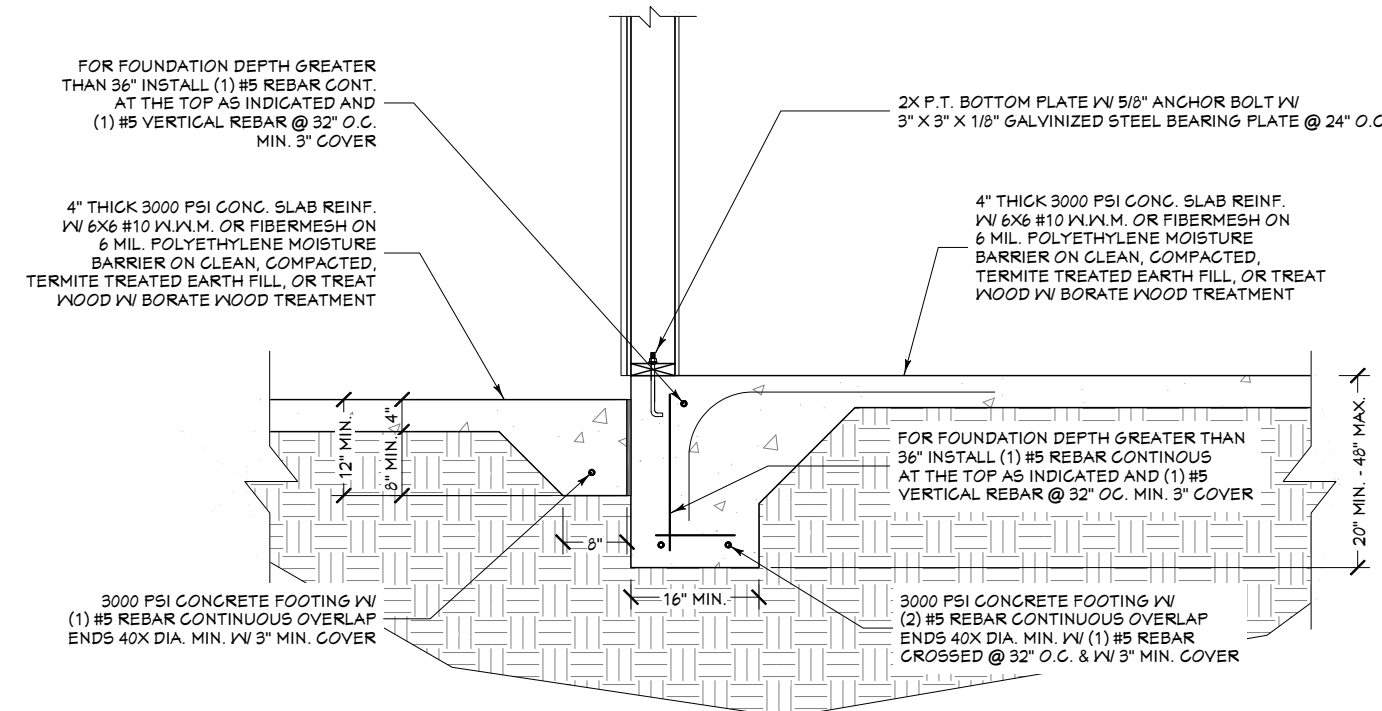
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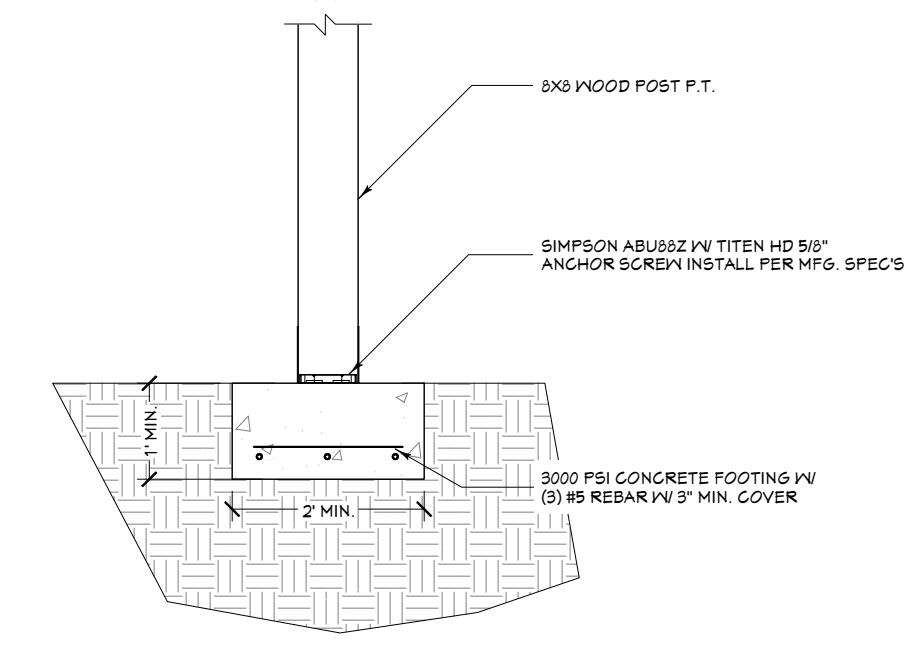
D2 FOUNDATION @ MONO-FOUR FOOTING DETAIL  
1/2 IN = 1 FT



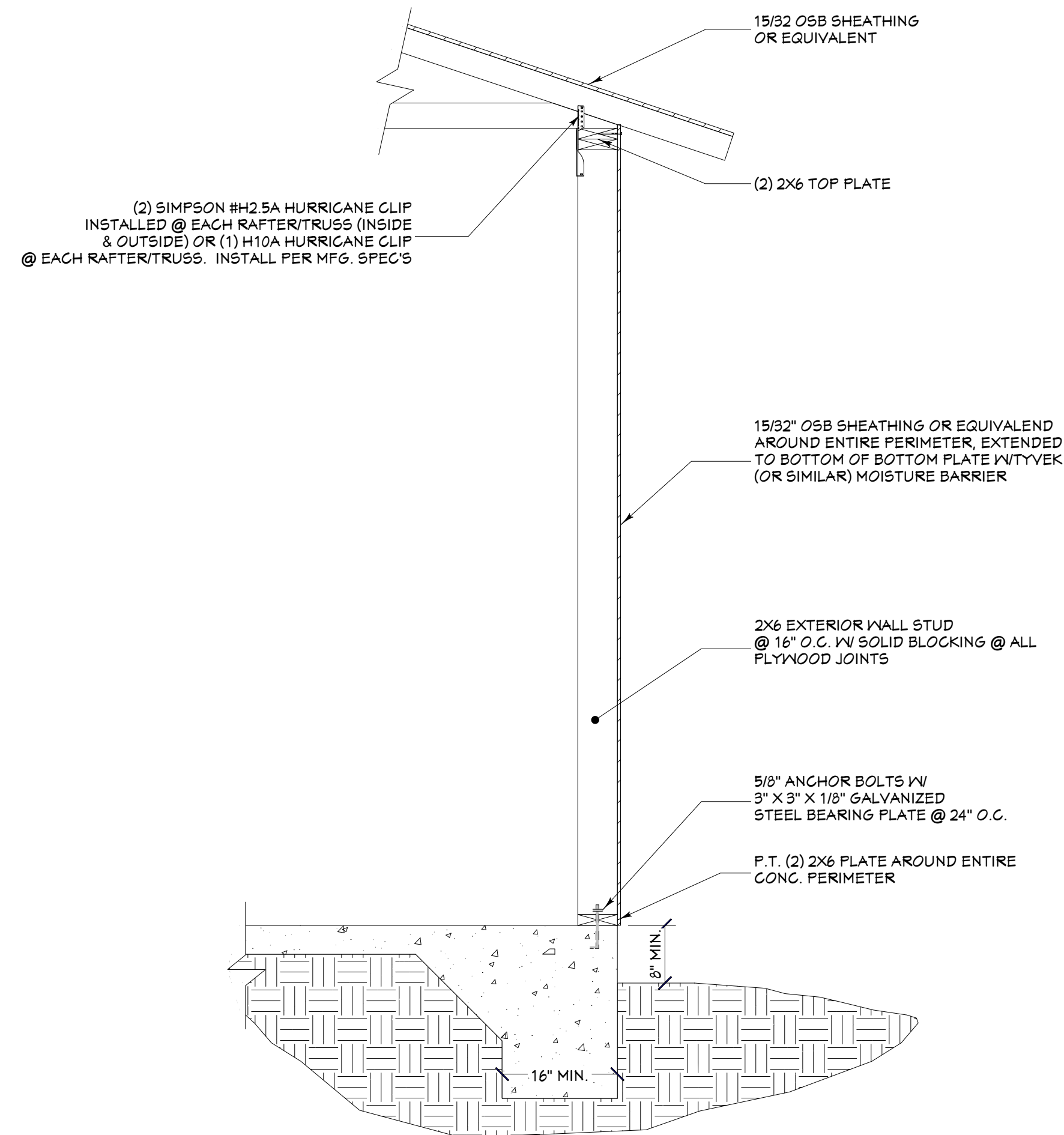
D3 FOUNDATION @ GRADE BEAM DETAIL  
1/2 IN = 1 FT



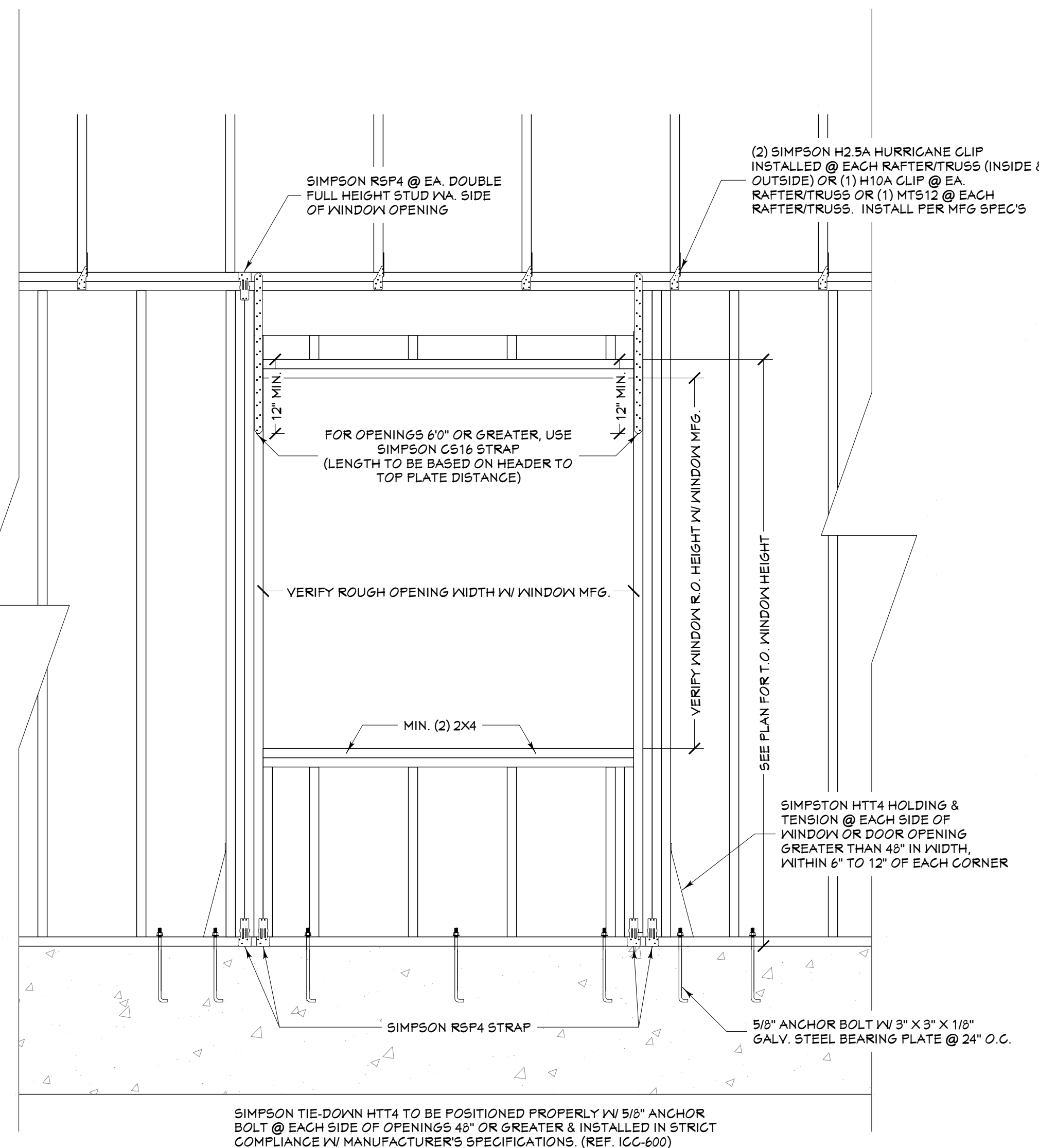
D4 FOUNDATION @ PORCH CONNECTION DETAIL  
1/2 IN = 1 FT



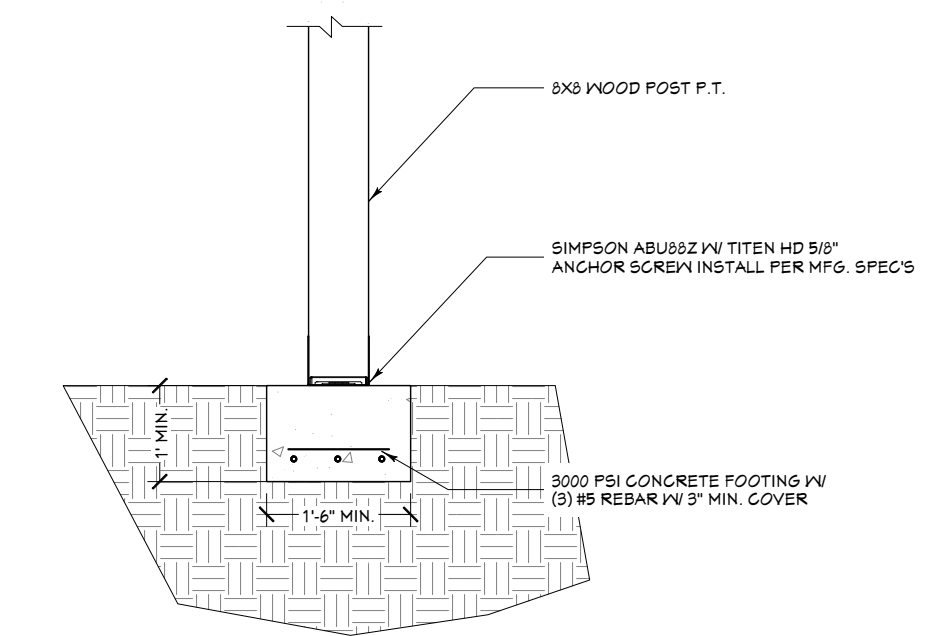
D5 FOUNDATION @ POST (TYPE 1) DETAIL  
1/2 IN = 1 FT



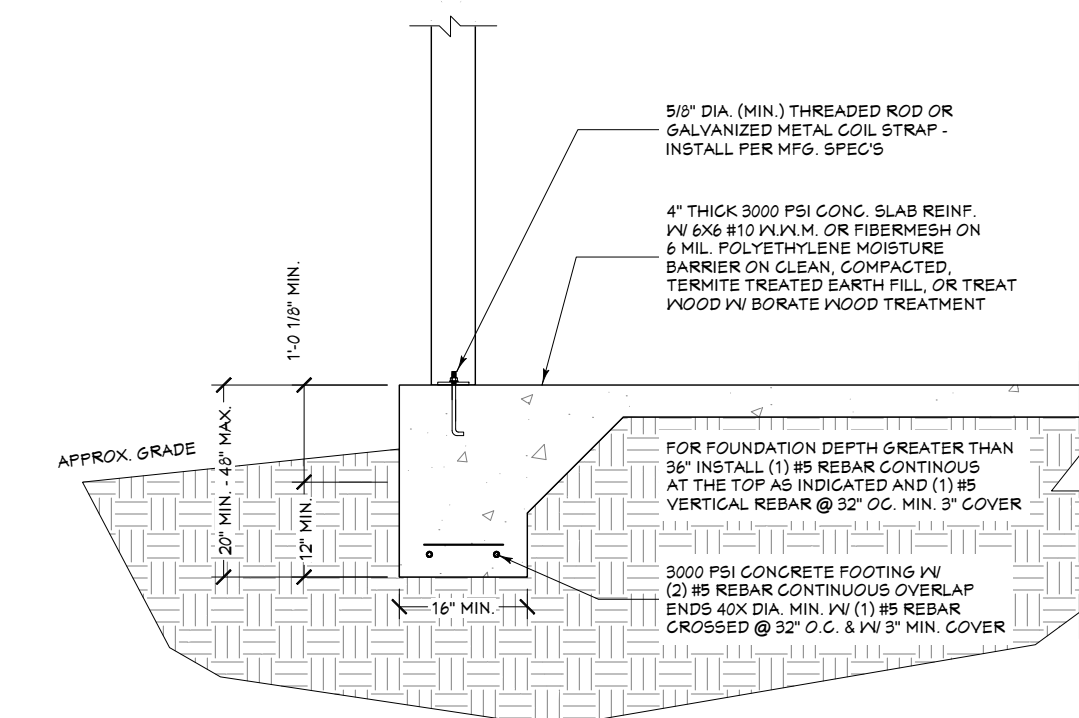
TYPICAL CROSS SECTION  
3/4 IN = 1 FT



WALL OPENING STRAP DETAIL  
3/4 IN = 1 FT



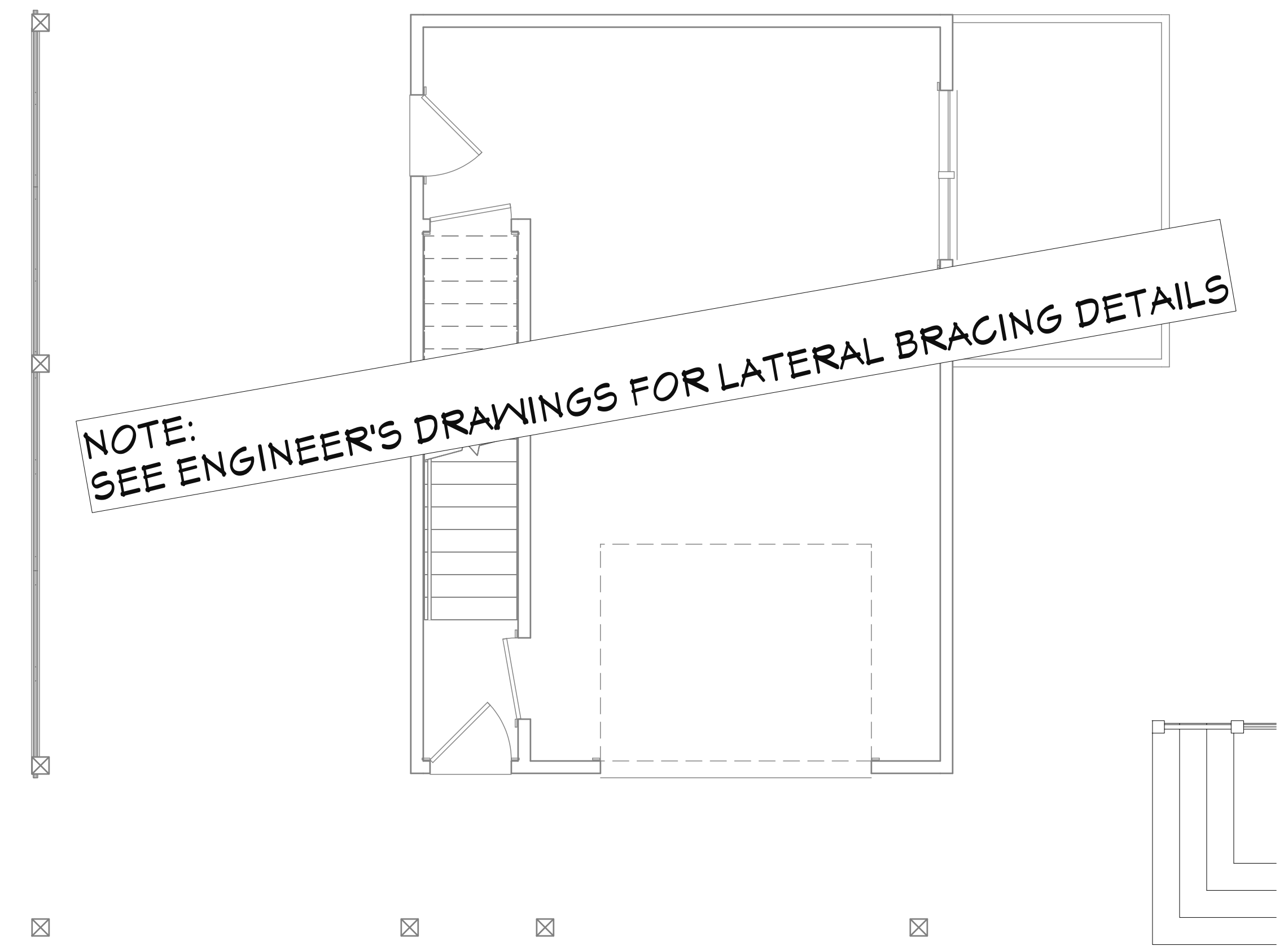
D6 FOUNDATION @ POST (TYPE 2) DETAIL  
1/2 IN = 1 FT



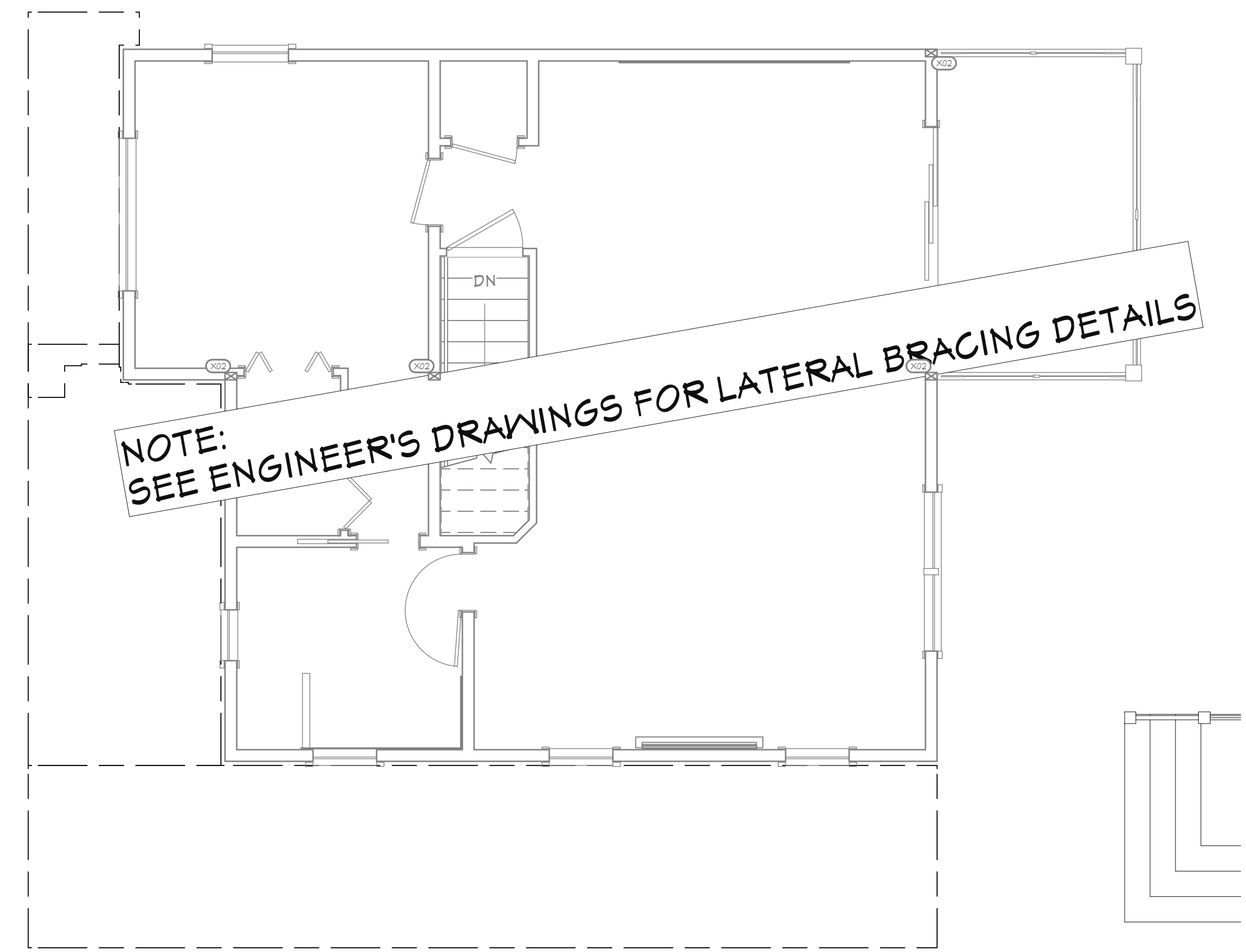
D7 FOUNDATION @ PORCH POSTS (SLAB) DETAIL  
1/2 IN = 1 FT

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	FLOOR PLANS
A4	FOUNDATION
A5	DETAIL VIEWS
A6	WALL BRACING
A7	FLOOR FRAMING - 2ND LEVEL
A8	ROOF LAYOUT - 1ST LEVEL
A9	ROOF LAYOUT - 2ND LEVEL
A10	ROOF LAYOUT - OVERVIEW
A11	ELEVATIONS
A12	ELEVATIONS
A13	SECTION VIEWS
A14	SECTION VIEWS
M1	ELECTRICAL





WALL BRACING PLAN - 1ST LEVEL  
1/4 IN = 1 FT



WALL BRACING PLAN - 2ND LEVEL  
1/4 IN = 1 FT

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A1	COVER SHEET
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A4	FOUNDATION
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A11	ELEVATIONS
A12	ELEVATIONS
A13	SECTION VIEWS
A14	SECTION VIEWS
M1	ELECTRICAL

GARAGE W/LIVING ABOVE  
FOR CHRIS AND KATIE WATKINS BEAUFORT, SC

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

DRAWN BY: Steve  
INITIAL DATE: 2/2/2023  
PRINT DATE: 10/11/2023  
SHEET SIZE: 24" x 36"

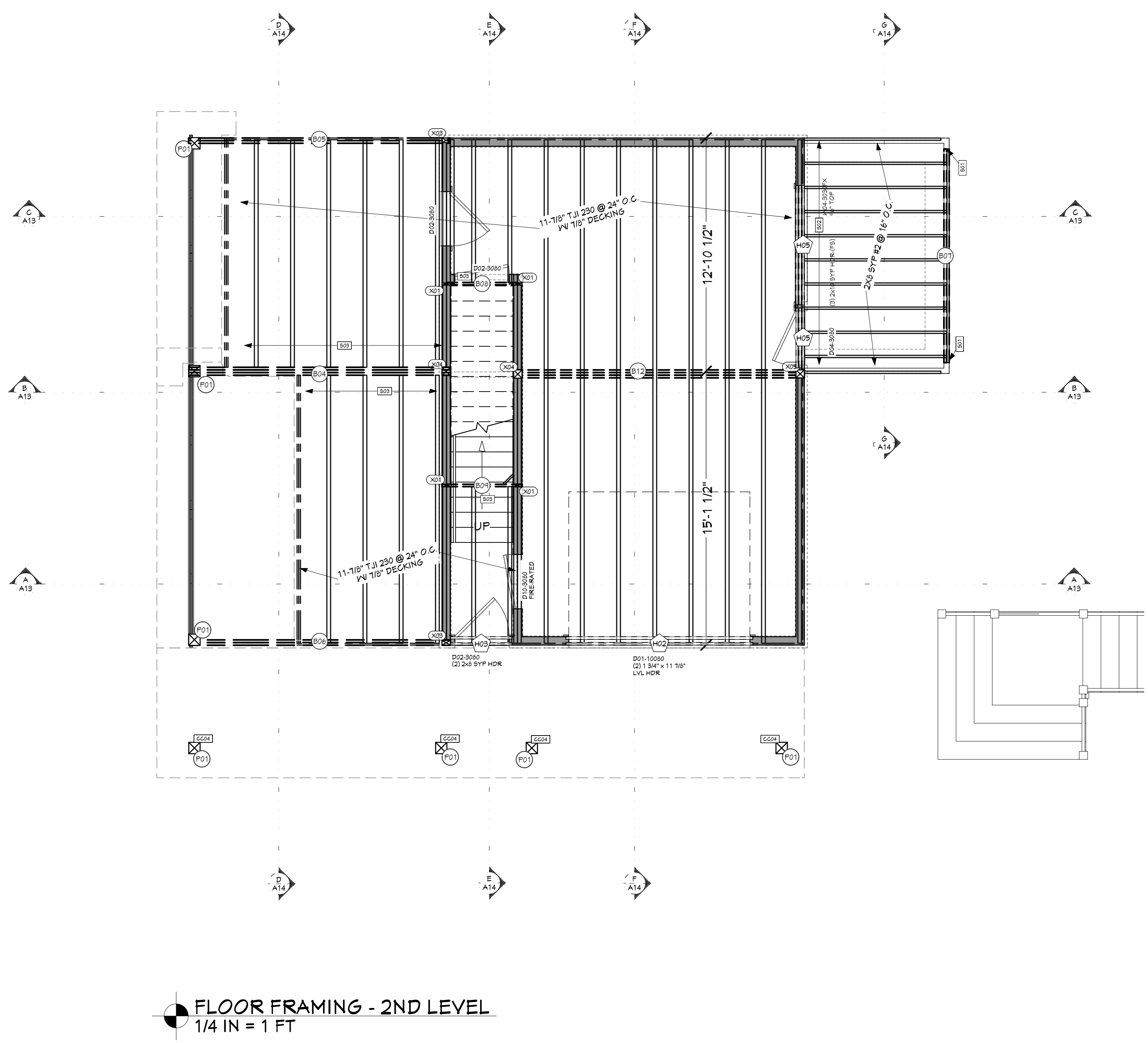
WALL BRACING

SMC Design  
SMC Design  
208.249.7288  
Nampa, ID

SHEET NUMBER  
**A6**  
PAGE 6 OF 15

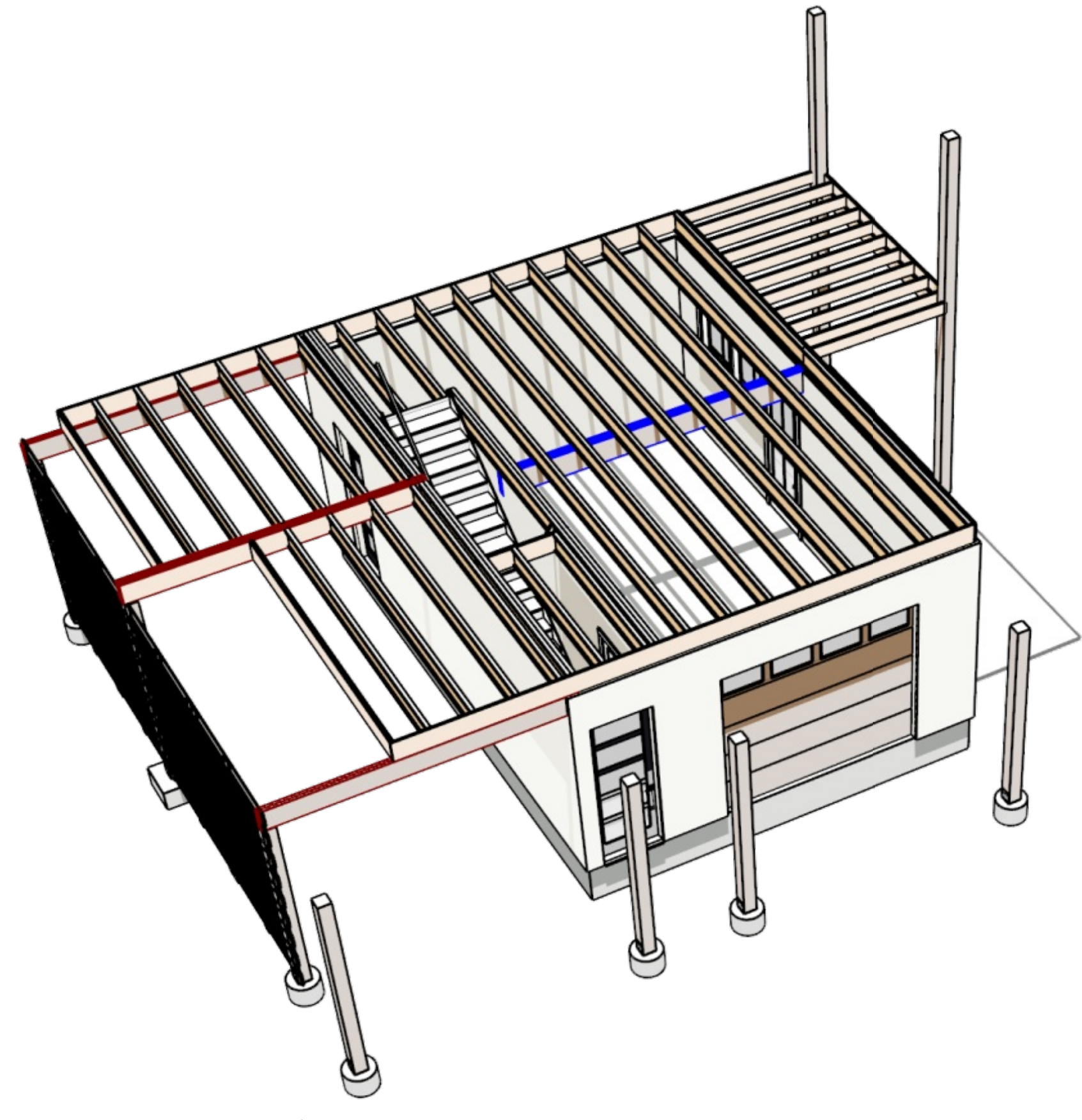


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FLOOR FRAMING - 2ND LEVEL  
1/4 IN = 1 FT

FLOOR FRAMING- 2ND LEVEL - REAR



FLOOR FRAMING- 2ND LEVEL - FRONT

NO.	BEARING AREA (X)
X01	1 1/2" X 5 1/2"
X02	3 1/2" X 5 1/2"
X03	5" X 5 1/2"
X04	5 1/2" X 5 1/2"
X05	5 1/4" X 5 1/2"

HANGER SCHEDULE				
CALLOUT	MODEL	TOP NAILS	SEAT LG	MEMBER NAILS
B01	HUG2410-5DB	N/A	3/8"	6-5D525212
B02	LU26	N/A	1/8"	4-10D215
B03	LU351014 (VHSR)	N/A	2/8"	(6) 2-148 X 1.5

POST SCHEDULE			
NO.	QTY	FLR	NOTES
P01	4	1	8X8 SYP #2

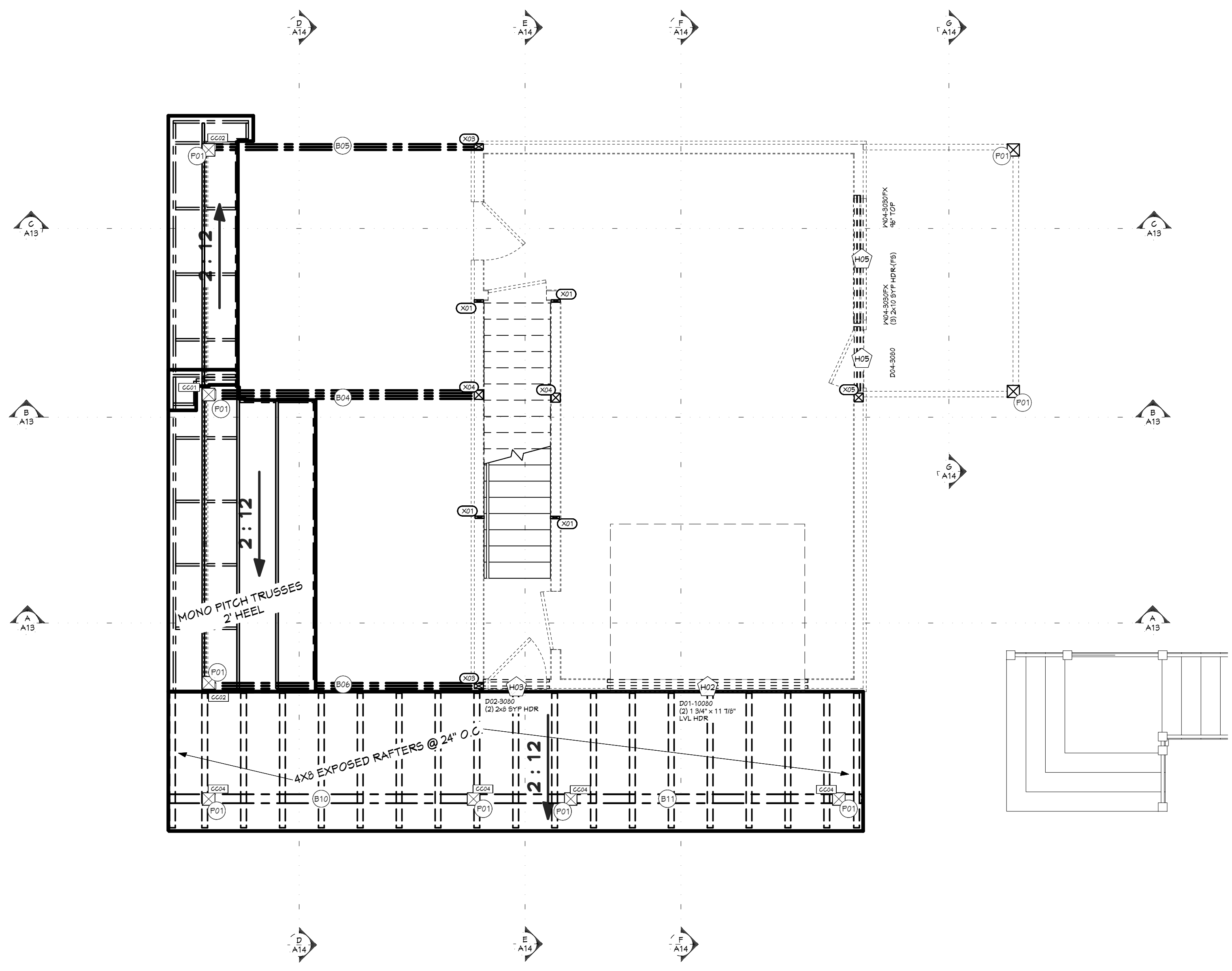
HEADER SCHEDULE	
NO.	TYPE
H01	(2) 1 3/4 X 1 1/4 LVL
H02	(2) 1 3/4 X 1 1/8 LVL
H03	(2) 2X8 D.F.
H04	(2) 2X10 D.F.
H05	(3) 2X10 D.F.

BEAM SCHEDULE								
NO.	FLR	FLY(S)	NOTES	CTR LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC B
B01	2	2	(8-01) 1 3/4 X 11 7/8 MICROLLAM LVL OR BOX GIRDER (DELETE IF CLEAR SPAN TRUSSES)	28"		20'-2 7/8"	19'-3"	1
B02	2	2	(8-02) 2X8 SYP #2	8'-3"		19'-3"	18'-1 3/4"	2
B03	2	2	(8-03) 2X8 SYP #2	8'-3"		19'-3"	18'-1 3/4"	3
B04	1	3	(8-04) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		11'-1"	10'-1 1/8"	4
B05	1	2	(8-05) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		10'-1 1/8"	9'-1 1/4"	5
B06	1	2	(8-06) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		10'-1 1/8"	9'-1 1/4"	6
B07	1	2	(8-07) 1 3/4 X 4 1/4 MICROLLAM LVL	11'-4 5/8"		10'-3 3/4"	9'-4 1/2"	7
B08	1	1	(8-08) 2X12 SYP #2	9'-11"		11'-0 3/8"	10'-1 1/8"	8
B09	1	1	(8-09) 2X12 SYP #2	4'-9"		11'-0 3/8"	10'-1 1/8"	9
B10	1	1	(8-10) 6X10 SYP #2	19'-1 3/8"		10'-3 3/4"	9'-11 1/4"	10
B11	1	1	(8-11) 6X10 SYP #2	20"		10'-3 3/4"	9'-11 1/4"	11
B12	1	3	(8-12) 1 3/4 X 14 MICROLLAM LVL	16'-0 1/2"		10'-1 1/8"	8'-11 1/8"	12

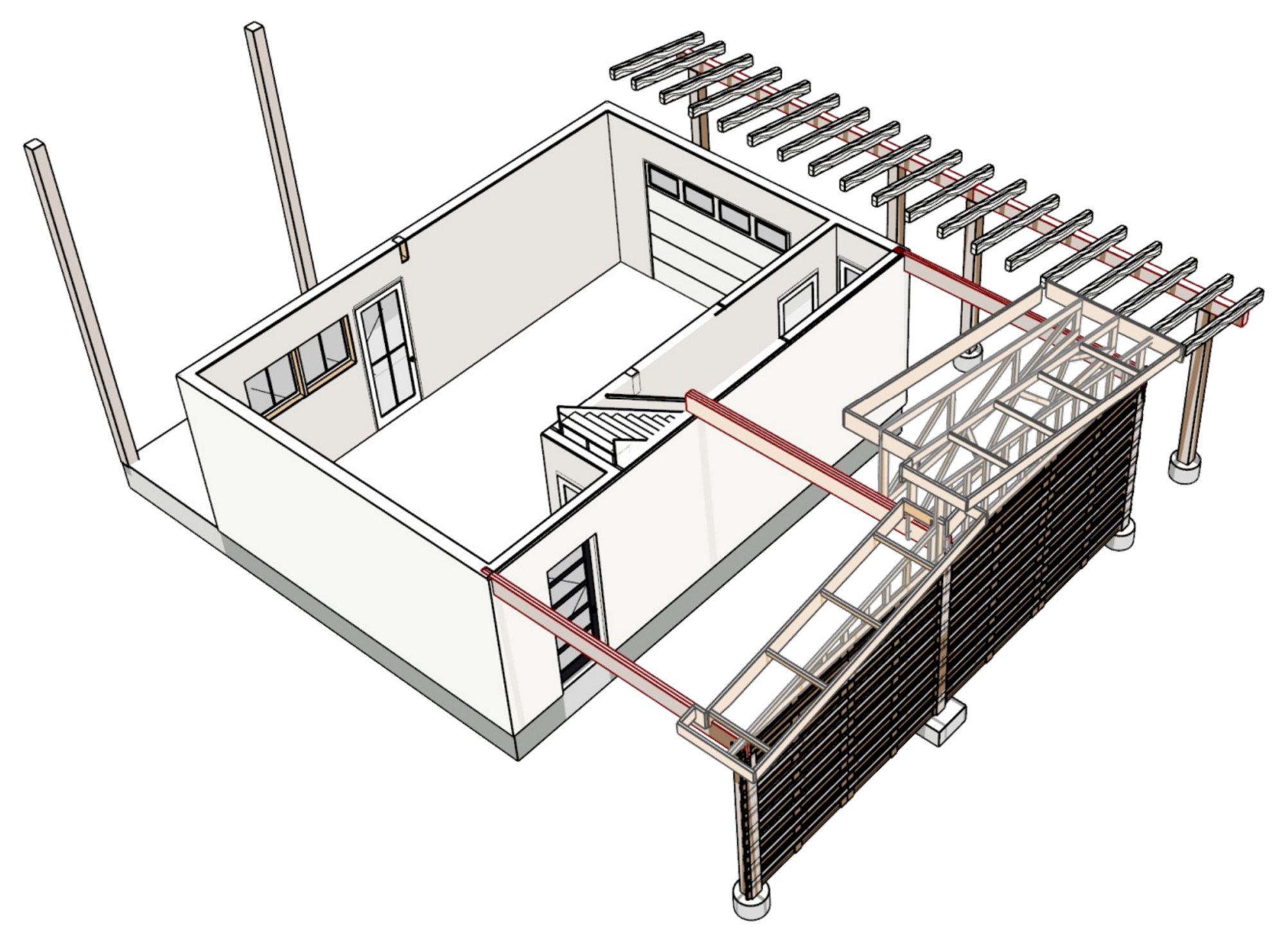
SHEET INDEX	
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A12	ELEVATIONS
A13	SECTION VIEWS
A14	SECTION VIEWS
M1	ELECTRICAL



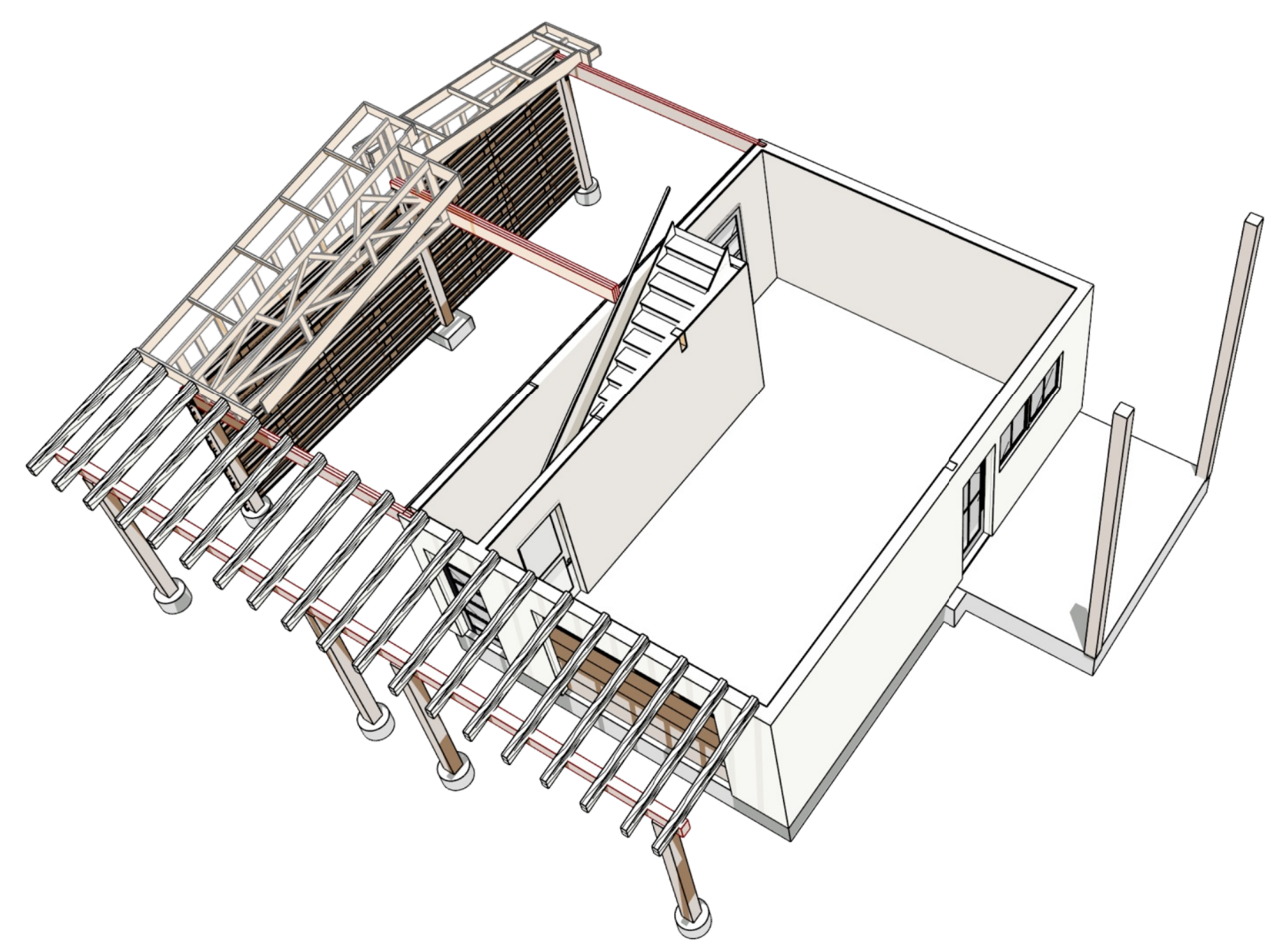
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ROOF LAYOUT - 1ST LEVEL  
1/4 IN = 1 FT



ROOF FRAMING- 1ST LEVEL - REAR



ROOF FRAMING- 1ST LEVEL - FRONT

ROOF MATERIALS

VALLEY FLASHING	4 Ft
90 DEG. FLASHING	3 1/2 Ft
BEND TO SLOPE FLASHING	7 1/2 Ft
METAL ROOFING	406 Sq. Ft.
OSB	51 Ea
GABLE FASCIA	100 Ft
EAVE FASCIA	129 Ft
DRIP EDGE	279 Ft

HANGER SCHEDULE				
CALLOUT	MODEL	TOP NAILS	SEAM L/S	MEMBER NAILS
H01	HUG2410-SDS	N/A	3/0"	8-SDS2512
H02	LJ26	N/A	1/5"	4-10DX1.5
H03	US91014 (VSR)	N/A	2/0"	(6) 2.146 X 1.5

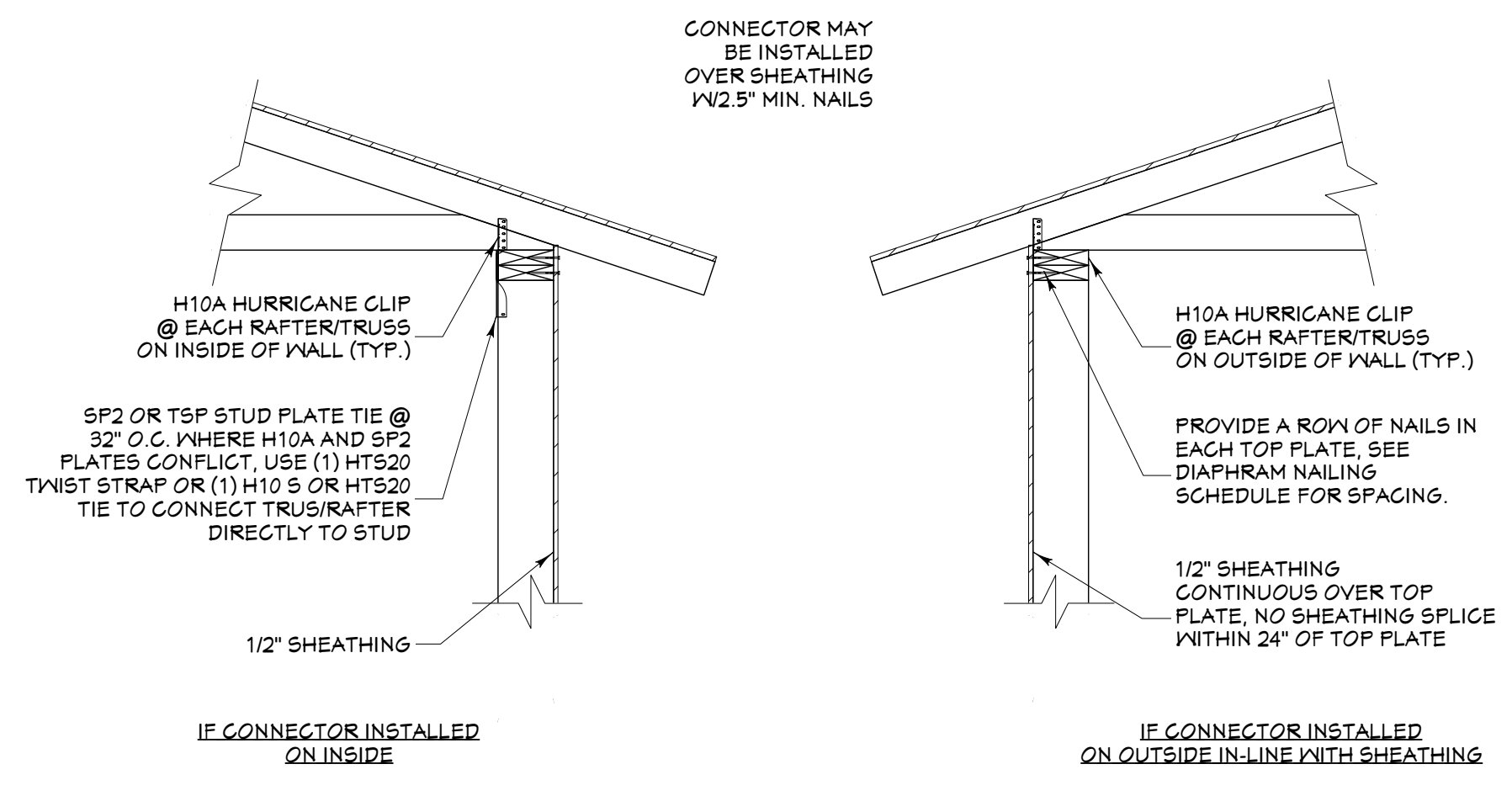
COLUMN HARDWARE SCHEDULE				
CALLOUT	MODEL	BEAM FASTENERS	COLUMN FASTENERS	QTY
CC01	ECCC24SDS2.5	(14) SDS X 2-1/2"	(14) SDS X 2-1/2"	1
CC02	ECCC24SDS2.5	(14) SDS X 2-1/2"	(14) SDS X 2-1/2"	2
CC03	ECCC24SDS2.5	(14) SDS X 2-1/2"	(14) SDS X 2-1/2"	2
CC04	CBT2			4

BEAM SCHEDULE						
NO.	FLR	PLYTS	NOTES	CTR LG +/-	MIN BRG	T/O BEAM
B01	2	2	(B-01) 1 3/4 X 11 7/8 MICROLLAM LVL OR BOX GIRDER (DELETE IF CLEAR SPAN TRUSSES)	20'	20'-2 7/8"	11'-3"
B02	2	2	(B-02) 2X8 SYP #2	8'-3"	14'-3"	13'-1 3/4"
B03	2	2	(B-03) 2X8 SYP #2	8'-3"	14'-3"	13'-1 3/4"
B04	1	3	(B-04) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	11'-1"	10'-1 1/8"
B05	1	2	(B-05) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	10'-1 1/8"	9'-1 1/4"
B06	1	2	(B-06) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	10'-1 1/8"	9'-1 1/4"
B07	1	2	(B-07) 1 3/4 X 9 1/4 MICROLLAM LVL	11'-4 5/8"	10'-3 3/4"	9'-6 1/2"
B08	1	1	(B-08) 2X12 SYP #2	3'-11"	11'-0 3/8"	10'-1 1/8"
B09	1	1	(B-09) 2X12 SYP #2	4'-8"	11'-0 3/8"	10'-1 1/8"
B10	1	1	(B-10) 6X10 SYP #2	15'-7 3/8"	10'-8 3/4"	9'-11 1/4"
B11	1	1	(B-11) 6X10 SYP #2	20'	10'-8 3/4"	9'-11 1/4"
B12	1	3	(B-12) 1 3/4 X 14 MICROLLAM LVL	16'-0 1/2"	10'-1 1/8"	8'-11 1/8"

POST SCHEDULE		
NO.	QTY	FLR
P01	9	1

BEARING SCHEDULE		
NO.	TYPE	BEARING AREA (X)
X01	1 1/2" X 5 1/2"	
X02	3 1/2" X 5 1/2"	
X03	5" X 5 1/2"	
X04	5 1/2" X 5 1/2"	
X05	5 1/2" X 5 1/2"	

HEADER SCHEDULE		
NO.	TYPE	BEARING AREA (X)
H01	(2) 1 3/4 X 7 1/4 LVL	
H02	(2) 1 3/4 X 11 7/8 LVL	
H03	(2) 2X8 D.F.	
H04	(2) 2X10 D.F.	
H05	(3) 2X10 D.F.	



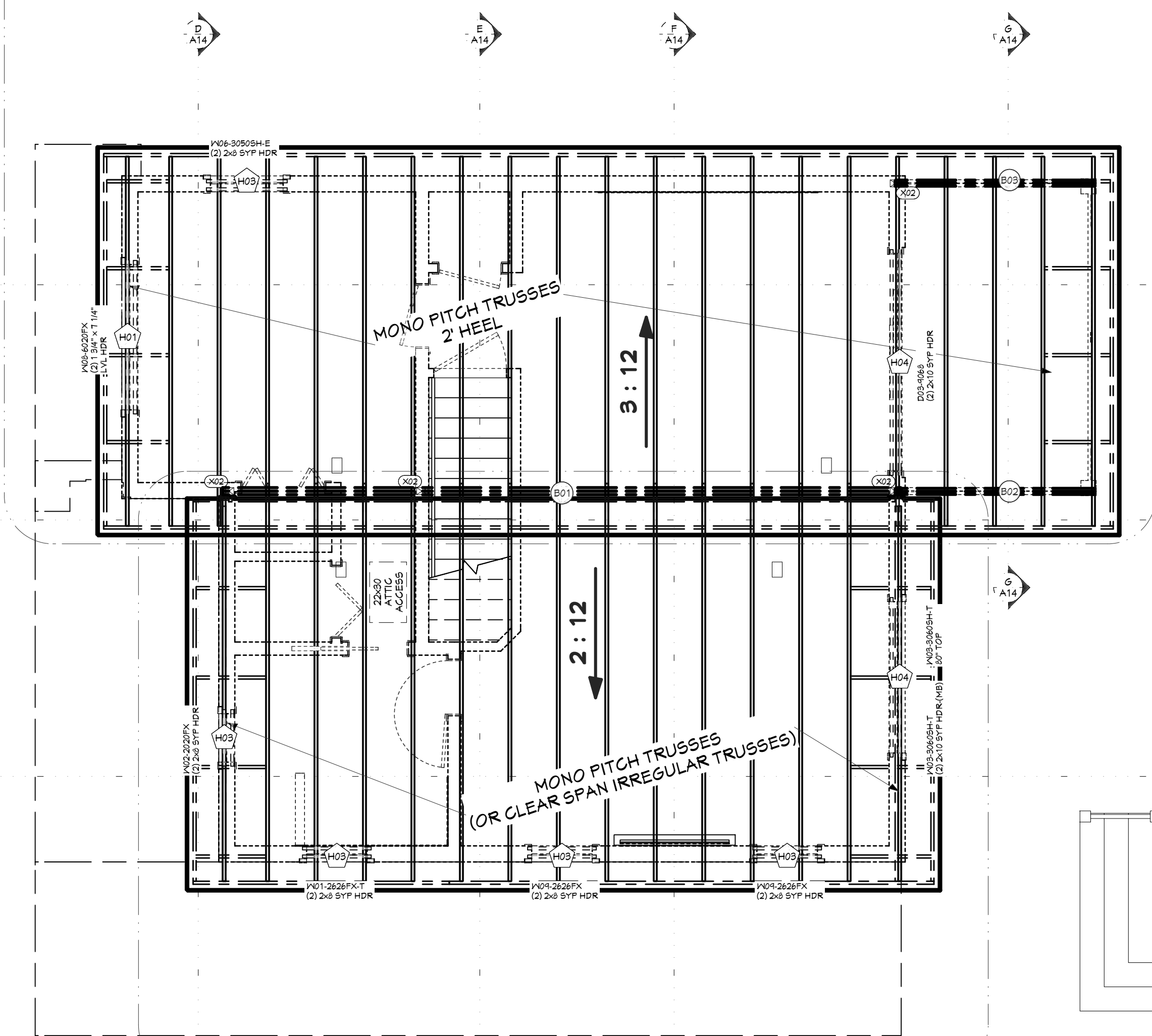
TRUSS/RAFTER TOP PLATE CONNECTION  
3/4 IN = 1 FT

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	FLOOR PLANS
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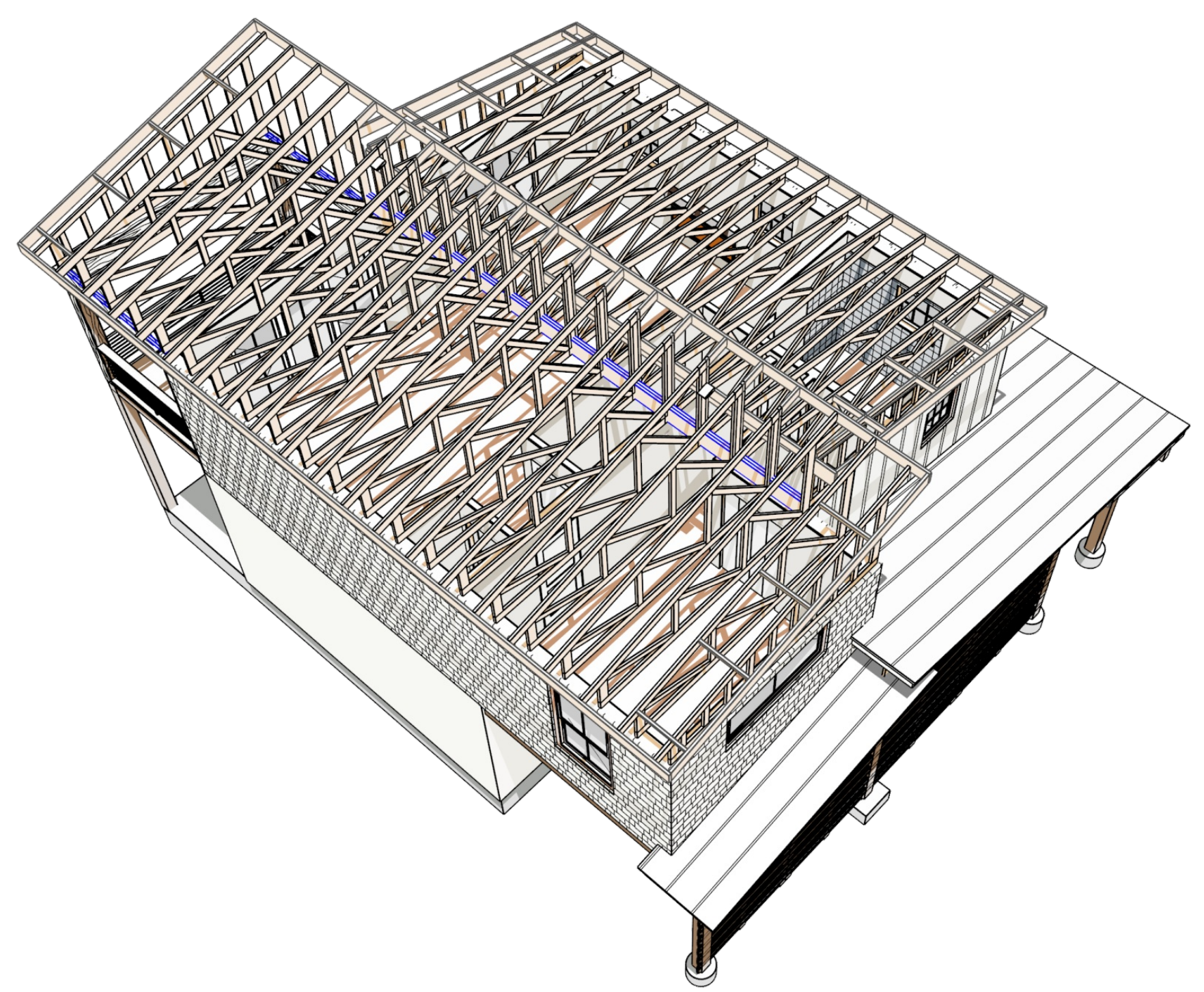
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ATTIC FLOOR SPACE		PROVIDED VENTING
ROOF VENTING 1/200	614 Sq. Ft.	
VENTING SPACE REQUIRED	229 Sq. Ft.	
50% INTAKE (SOFFIT VENTS DISTRIBUTED EVENLY ALONG EAVES)	324 Sq. In.	3 VENTS @ 65 SQ. IN. EA.
50% EXHAUST (WITHIN 3'-0" OF RIDGE)	190 Sq. In.	2 VENTS @ 48.75 SQ. IN. EA.

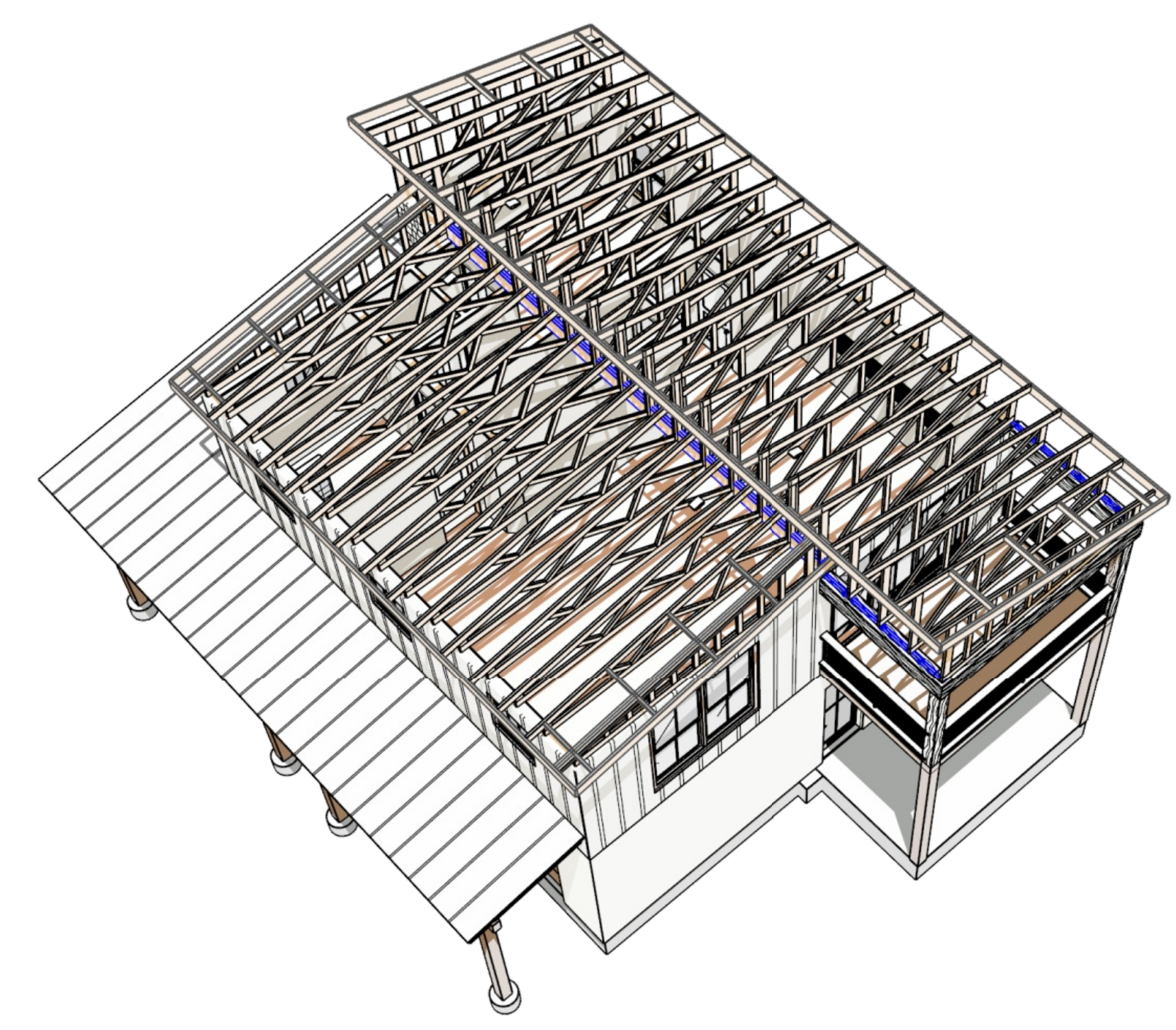


ATTIC FLOOR SPACE		PROVIDED VENTING
ROOF VENTING 1/200	502 Sq. Ft.	
VENTING SPACE REQUIRED	163 Sq. Ft.	
50% INTAKE (SOFFIT VENTS DISTRIBUTED EVENLY ALONG EAVES)	242 Sq. In.	2 VENTS @ 65 SQ. IN. EA.
50% EXHAUST (WITHIN 3'-0" OF RIDGE)	190 Sq. In.	2 VENTS @ 48.75 SQ. IN. EA.

ROOF LAYOUT - 2ND LEVEL  
1/4 IN = 1 FT



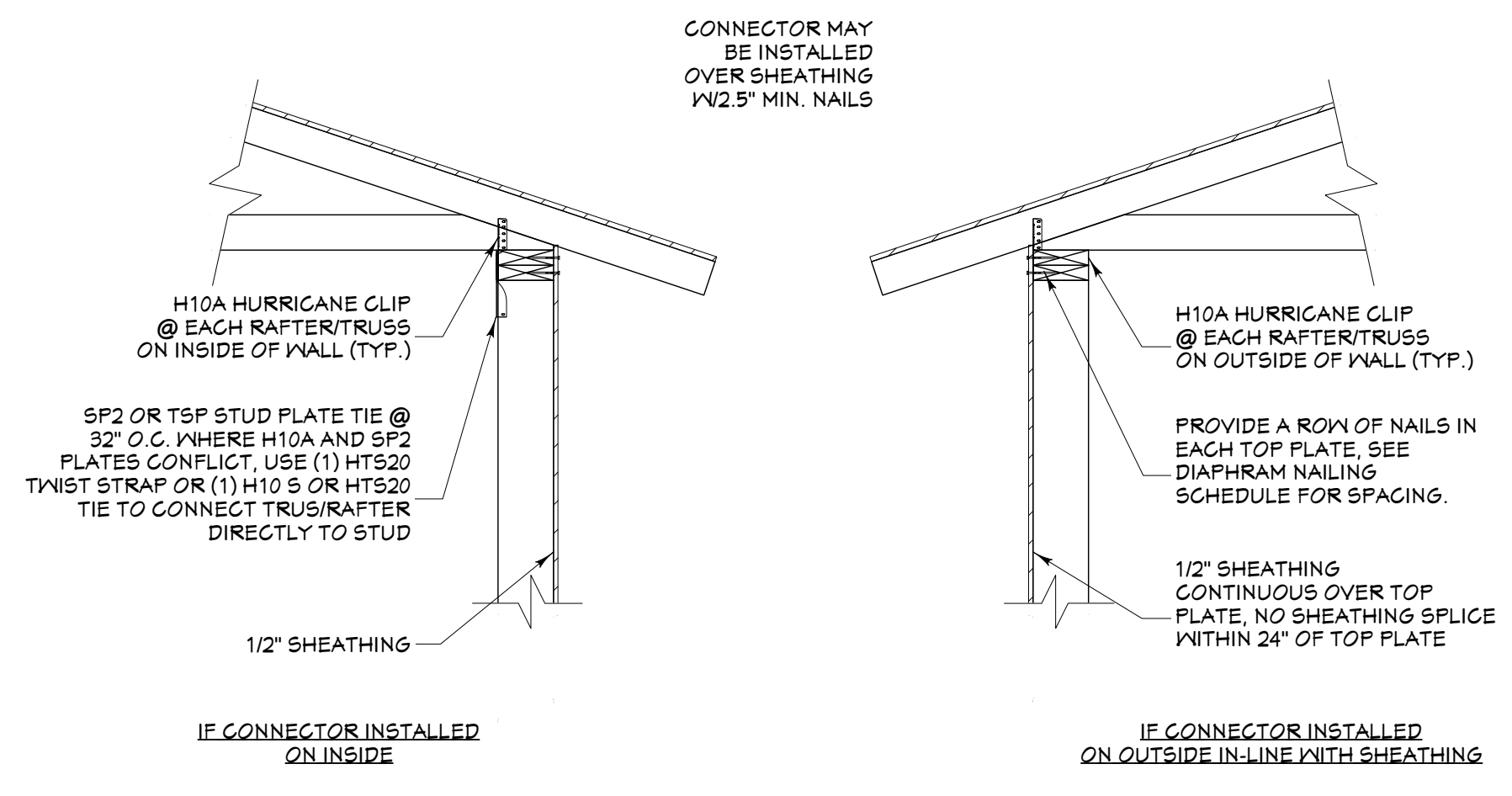
ROOF FRAMING - 2ND LEVEL - REAR



ROOF FRAMING - 2ND LEVEL - FRONT

ROOF MATERIALS

VALLEY FLASHING	4 Ft.
90 DEG. FLASHING	31 Ft.
BEND TO SLOPE FLASHING	71 Ft.
METAL ROOFING	406 Sq. Ft.
OSB	51 Ea.
GABLE FASCIA	100 Ft.
EAVE FASCIA	129 Ft.
DRIP EDGE	279 Ft.



TRUSS/RAFTER TOP PLATE CONNECTION  
3/4 IN = 1 FT

CALLOUT	MODEL	TOP NAILS	SPAC	MEMBER NAILS	FACE NAILS
B01	HUG2410-SPS	N/A	3/0"	8-SDS2512	12-SDS12
B02	LU26	N/A	1/5"	4-10DX1.5	6-10DX1.5
B03	US91014 (WBR)	N/A	2/0"	(6) 2.146 X 1.5	(14) 0.146 X 3.5

CALLOUT	MODEL	BEAM FASTENERS	COLUMN FASTENERS	QTY
CC01	ECC283SD52.5	(14) SDS X 2-1/2"	(14) SDS X 2-1/2"	1
CC02	ECC249SD5.5	(14) SDS X 1-1/2"	(14) SDS X 2-1/2"	2
CC03	ECC283XSD52.5	(14) SDS X 2-1/2"	(14) SDS X 2-1/2"	2
CC04	CBT2			4

NO.	FLR.	PLY(S)	NOTES	CTR LG W/ MIN BRG	T/O BEAM	B/O BEAM	CALC #
B01	2	2	(B-01) 1 3/4 X 11 7/8 MICROLLAM LVL OR BOX GIRDER (DELETE IF CLEAR SPAN TRUSSES)	20'	20'-2 7/8"	19'-3"	1
B02	2	2	(B-02) 2X8 SYP #2	8'-3"	14'-5"	13'-1 3/4"	2
B03	2	2	(B-03) 2X8 SYP #2	8'-3"	14'-5"	13'-1 3/4"	3
B04	1	3	(B-04) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	11'-1"	10'-1 1/8"	4
B05	1	2	(B-05) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	10'-1 1/8"	9'-1 1/4"	5
B06	1	2	(B-06) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	10'-1 1/8"	9'-1 1/4"	6
B07	1	2	(B-07) 1 3/4 X 9 1/4 MICROLLAM LVL	11'-4 5/8"	10'-3 3/4"	9'-6 1/2"	7
B08	1	1	(B-08) 2X12 SYP #2	3'-11"	11'-0 3/8"	10'-1 1/8"	8
B09	1	1	(B-09) 2X12 SYP #2	4'-8"	11'-0 3/8"	10'-1 1/8"	9
B10	1	1	(B-10) 6X10 SYP #2	15'-7 3/8"	10'-6 3/4"	9'-11 1/4"	10
B11	1	1	(B-11) 6X10 SYP #2	20'	10'-6 3/4"	9'-11 1/4"	11
B12	1	3	(B-12) 1 3/4 X 14 MICROLLAM LVL	18'-0 1/2"	10'-1 1/8"	8'-11 1/8"	12

NO.	QTY	FLR.	NOTES
P01	4	1	8X8 SYP #2

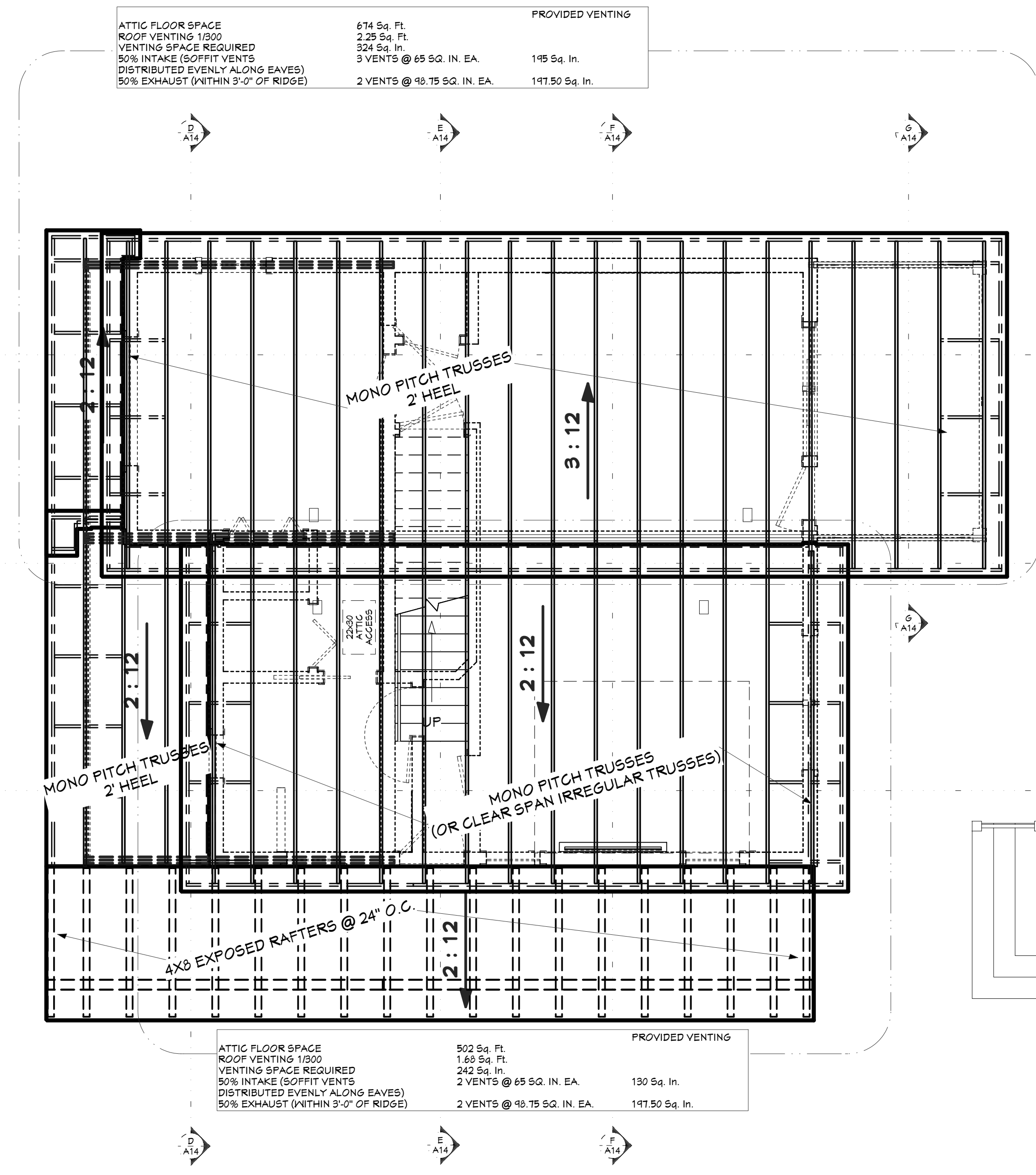
NO.	TYPE	BEARING AREA (X)
X01	1 1/2" X 5 1/2"	
X02	3 1/2" X 5 1/2"	
X03	5" X 5 1/2"	
X04	5 1/2" X 5 1/2"	
X05	5 1/4" X 5 1/2"	

NO.	BEARING AREA (X)
H01	(2) 1 3/4 X 7 1/4 LVL
H02	(2) 1 3/4 X 11 7/8 LVL
H03	(2) 2X8 D.F.
H04	(2) 2X10 D.F.
H05	(3) 2X10 D.F.

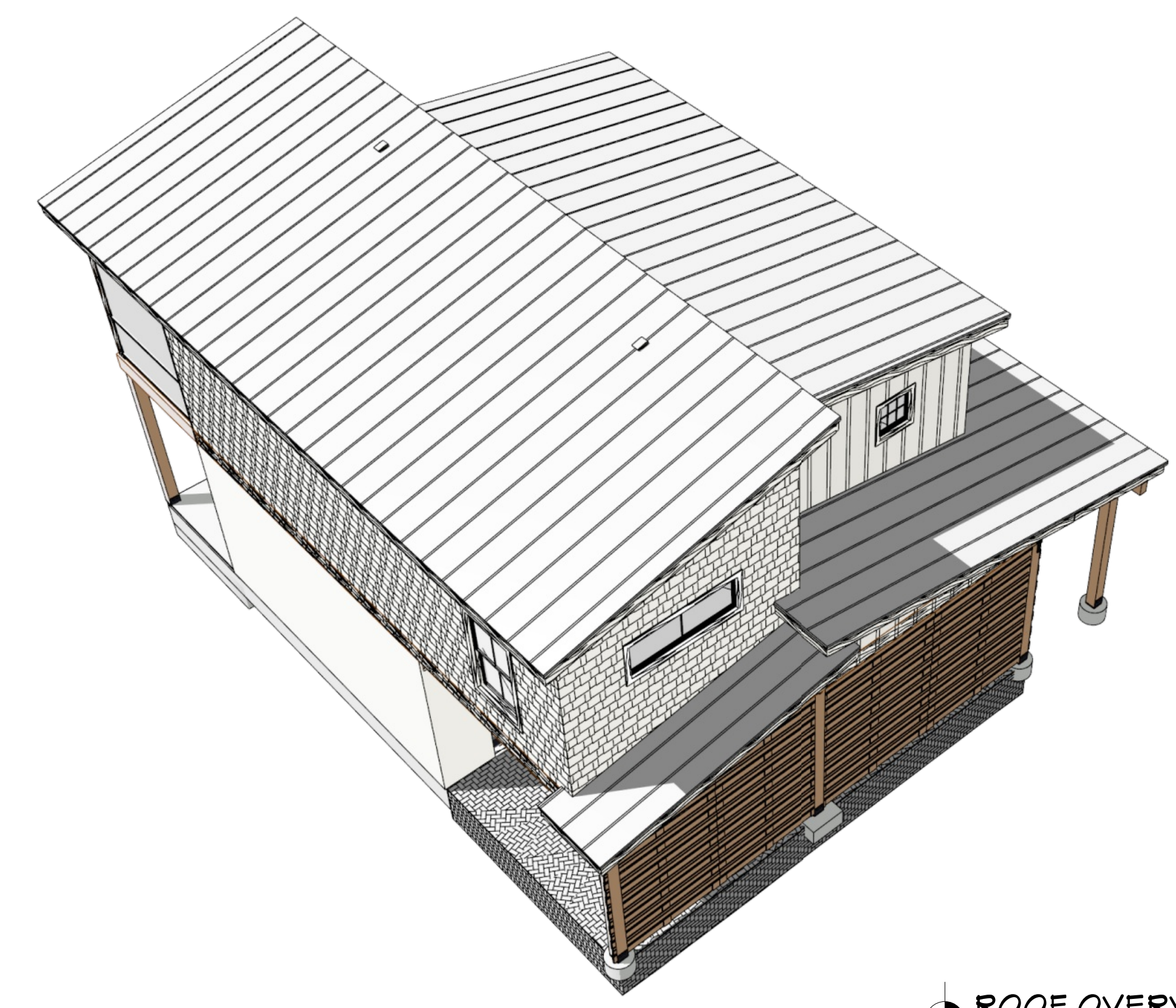
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A12	ELEVATIONS
A13	SECTION VIEWS
A14	SECTION VIEWS
M1	ELECTRICAL



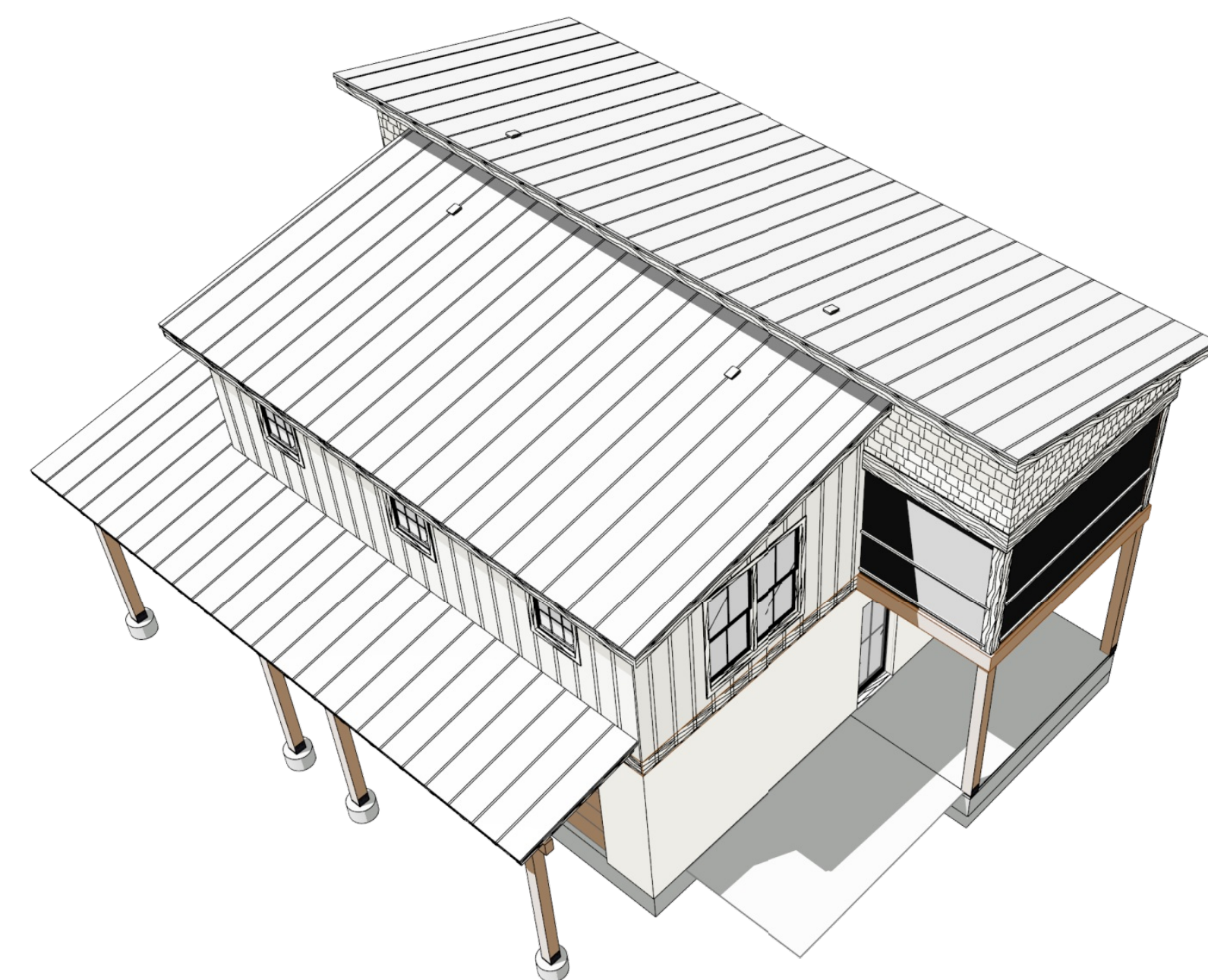
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ROOF LAYOUT - OVERVIEW  
1/4 IN = 1 FT



ROOF OVERVIEW - REAR



ROOF OVERVIEW - FRONT

ROOF MATERIALS

VALLEY FLASHING	4 Ft.
90 DEG. FLASHING	31 Ft.
BEND TO SLOPE FLASHING	71 Ft.
METAL ROOFING	406 Sq. Ft.
OSB	51 Ea.
GABLE FASCIA	100 Ft.
EAVE FASCIA	129 Ft.
DRIP EDGE	279 Ft.

HANGER SCHEDULE

CALLOUT	MODEL	TOP NAILS	SPAC	MEMBER NAILS	FACE NAILS
H01	HUG2410-SPS	N/A	3/0"	8-SDS2512	12-SDS212
H02	LU26	N/A	1/50"	4-10DX1.5	6-10DX1.5
H03	US91014 (VSR)	N/A	2/00"	(6) 0.146 X 1.5	(14) 0.146 X 3.5

COLUMN HARDWARE SCHEDULE

CALLOUT	MODEL	BEAM FASTENERS	COLUMN FASTENERS	QTY
CC01	ECC2435SD52.5	(14) SDS X 2-1/2"	(14) SDS X 2-1/2"	1
CC02	ECC2435SD52.5	(14) SDS X 2-1/2"	(14) SDS X 2-1/2"	2
CC03	ECC2435SD52.5	(14) SDS X 2-1/2"	(14) SDS X 2-1/2"	2
CC04	CBT2			4

BEAM SCHEDULE

NO.	FLR.	PLYTS	NOTES	CTR LG W/ MIN BRG	T/O BEAM	B/O BEAM	CALC #
B01	2	2	(B-01) 1 3/4 X 11 7/8 MICROLLAM LVL OR BOX GIRDER (DELETE IF CLEAR SPAN TRUSSES)	20'	20'-2 7/8"	11'-3"	1
B02	2	2	(B-02) 2X8 SYP #2	8'-3"	14'-3"	13'-1 3/4"	2
B03	2	2	(B-03) 2X8 SYP #2	8'-3"	14'-3"	13'-1 3/4"	3
B04	1	3	(B-04) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	11'-1"	10'-1 1/8"	4
B05	1	2	(B-05) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	10'-1 1/8"	9'-1 1/4"	5
B06	1	2	(B-06) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"	10'-1 1/8"	9'-1 1/4"	6
B07	1	2	(B-07) 1 3/4 X 9 1/4 MICROLLAM LVL	11'-4 5/8"	10'-3 3/4"	9'-6 1/2"	7
B08	1	1	(B-08) 2X12 SYP #2	3'-11"	11'-0 3/8"	10'-1 1/8"	8
B09	1	1	(B-09) 2X12 SYP #2	4'-8"	11'-0 3/8"	10'-1 1/8"	9
B10	1	1	(B-10) 6X10 SYP #2	15'-7 3/8"	10'-6 3/4"	9'-11 1/4"	10
B11	1	1	(B-11) 6X10 SYP #2	20'	10'-6 3/4"	9'-11 1/4"	11
B12	1	3	(B-12) 1 3/4 X 14 MICROLLAM LVL	18'-0 1/2"	10'-1 1/8"	8'-11 1/8"	12

POST SCHEDULE

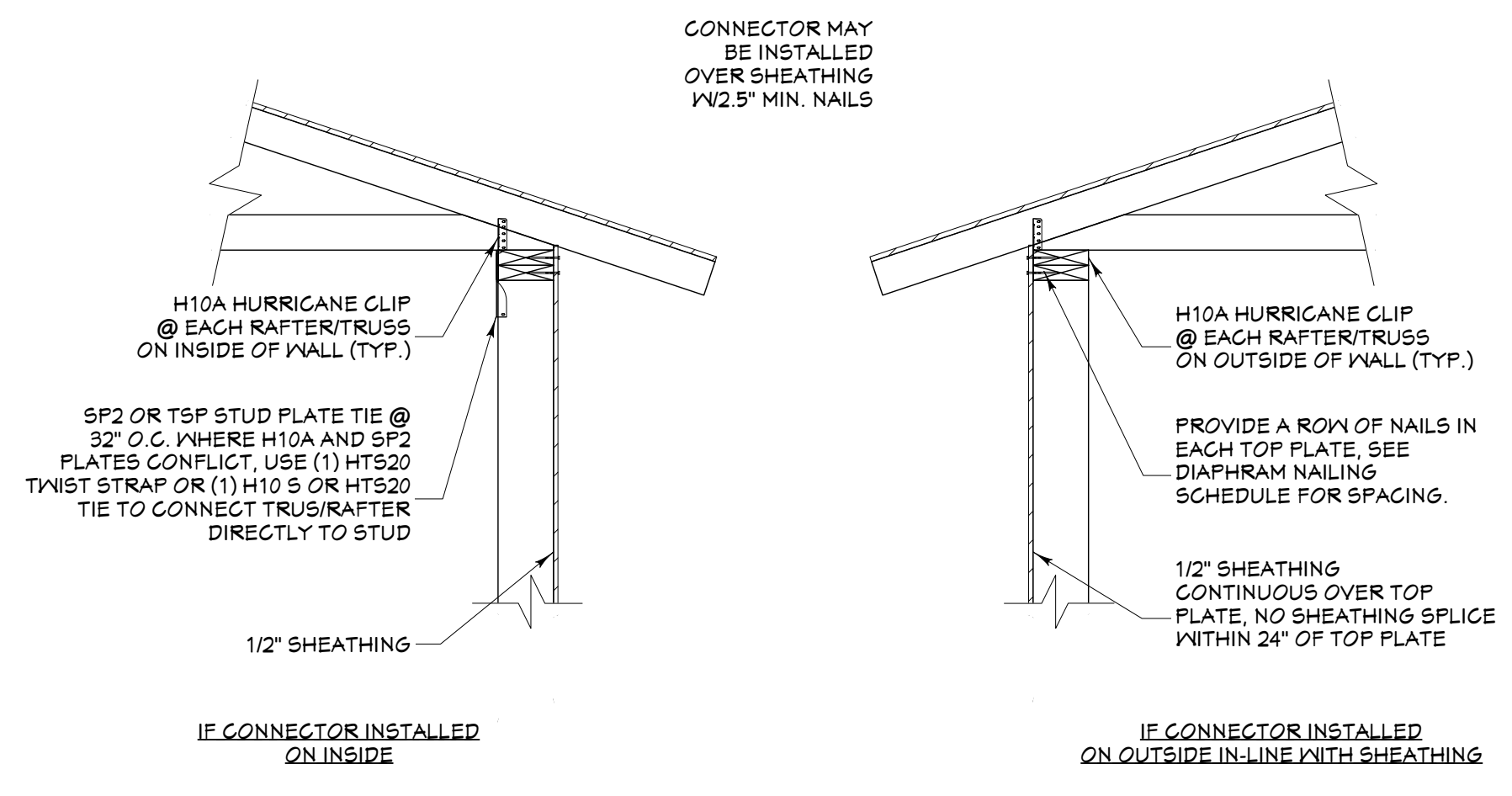
NO.	QTY	FLR.	NOTES
P01	4	1	8X8 SYP #2

BEARING SCHEDULE

NO.	TYPE	BEARING AREA (X)
X01	1 1/2" X 5 1/2"	
X02	3 1/2" X 5 1/2"	
X03	5" X 5 1/2"	
X04	5 1/2" X 5 1/2"	
X05	5 1/4" X 5 1/2"	

HEADER SCHEDULE

NO.	TYPE	BEARING AREA (X)
H01	(2) 1 3/4 X 7 1/4 LVL	
H02	(2) 1 3/4 X 11 7/8 LVL	
H03	(2) 2X8 D.F.	
H04	(2) 2X10 D.F.	
H05	(3) 2X10 D.F.	

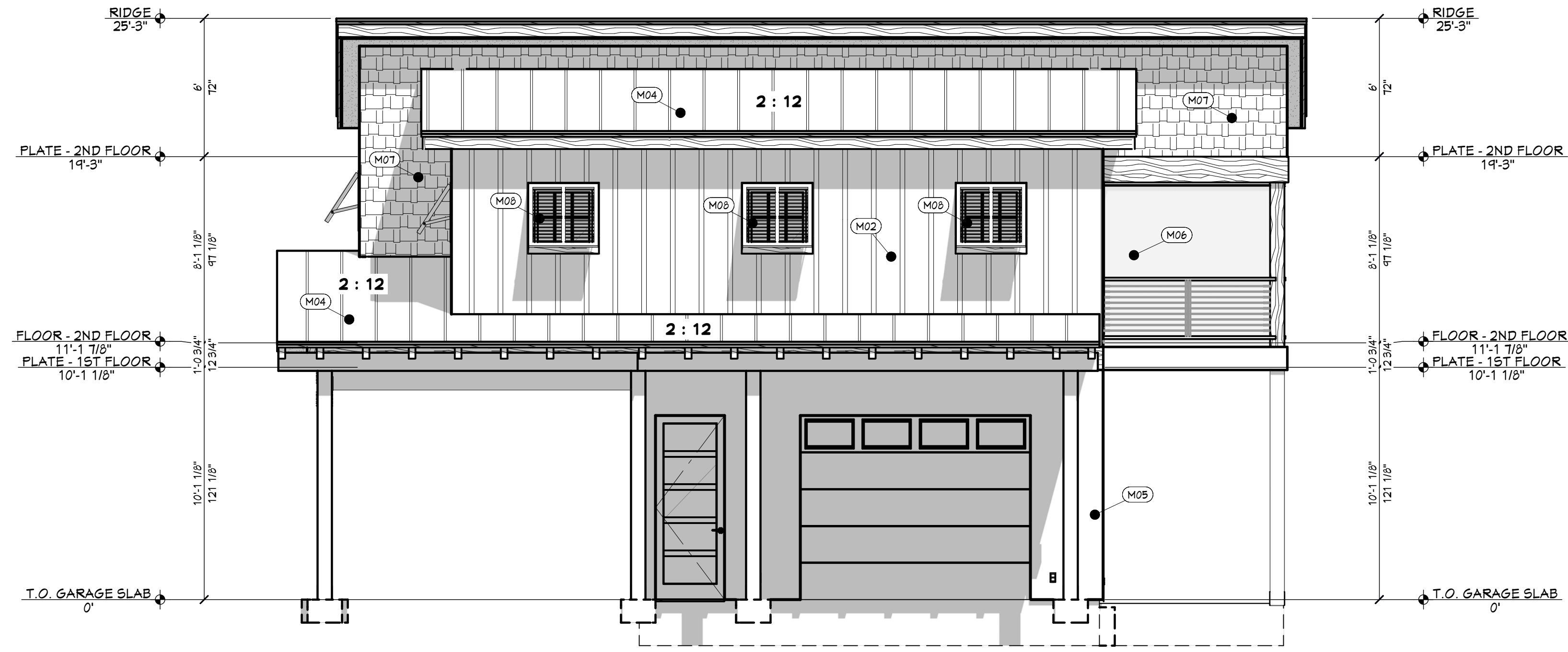


TRUSS/RAFTER TOP PLATE CONNECTION  
3/4 IN = 1 FT

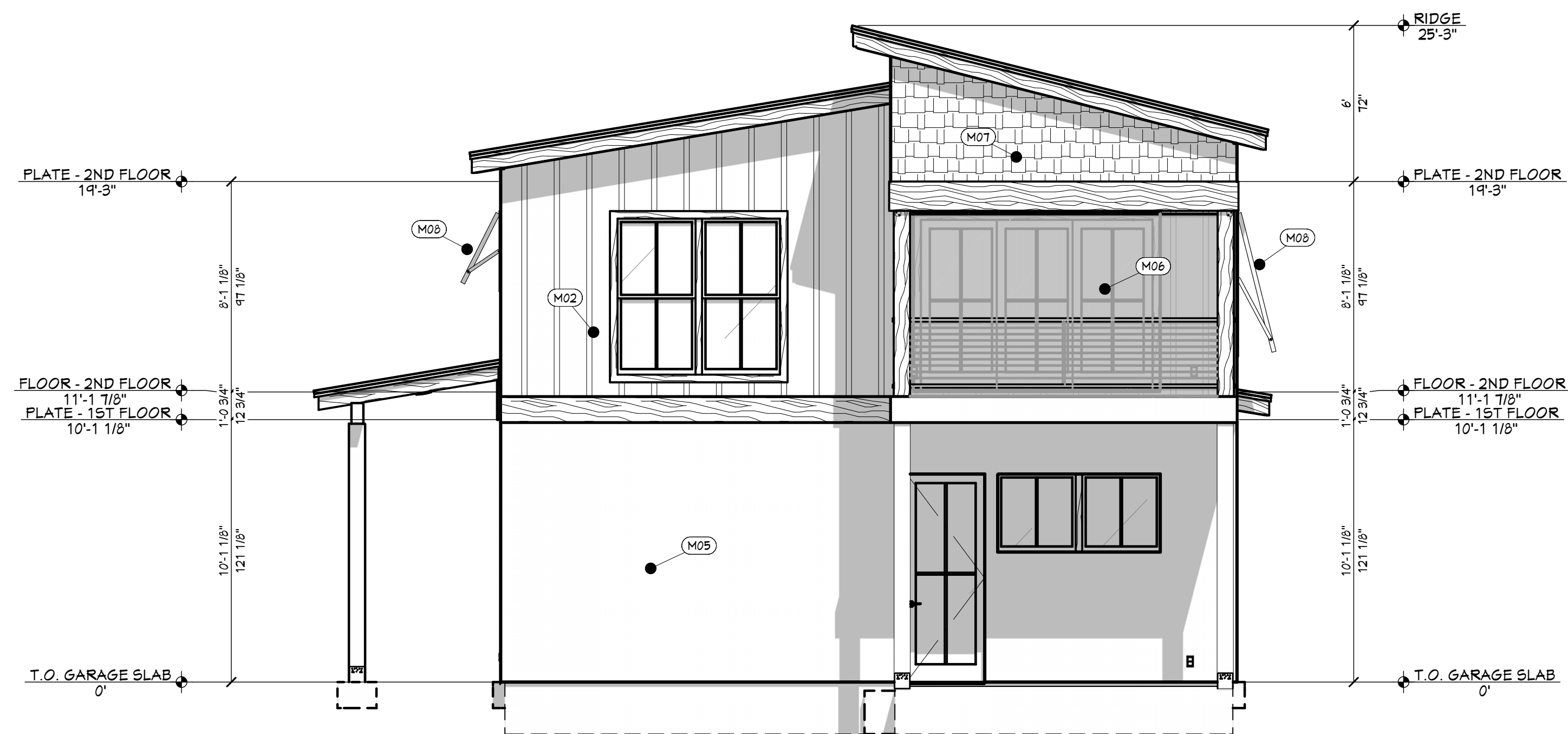
SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	FLOOR PLANS
A4	FOUNDATION
A5	DETAIL VIEWS
A6	WALL BRACING
A7	FLOOR FRAMING - 2ND LEVEL
A8	ROOF LAYOUT - 1ST LEVEL
A9	ROOF LAYOUT - 2ND LEVEL
A10	ROOF LAYOUT - OVERVIEW
A11	ELEVATIONS
A12	ELEVATIONS
A13	SECTION VIEWS
A14	SECTION VIEWS
M1	ELECTRICAL





FT FRONT ELEVATION  
1/4 IN = 1 FT



RT RIGHT ELEVATION  
1/4 IN = 1 FT

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A1	COVER SHEET
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CALLOUT	DESCRIPTION	EXTERIOR MATERIALS
(M01)	PRIVACY FENCING	
(M02)	BOARD & BATTEN SIDING	
(M04)	STANDING SEAM METAL ROOFING	
(M05)	TABBY SHELL STUCCO	
(M06)	SCREENED PORCH	
(M07)	UNEVEN CUT HARDI-SHAKE SIDING	
(M08)	CARIBBEAN SHUTTER	

PROJECT NO.  
22-032

GARAGE W/IVING ABOVE  
FOR CHRIS AND KATIE WATKINS BEAUFORT, SC

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

SHEET SIZE  
24" x 36"

INITIAL DATE: 2/2/2023  
PRINT DATE: 10/11/2023

DRAWN BY:  
Steve

ELEVATIONS

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A1	COVER SHEET
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SMC Design  
208.249.7288  
Nampa, ID

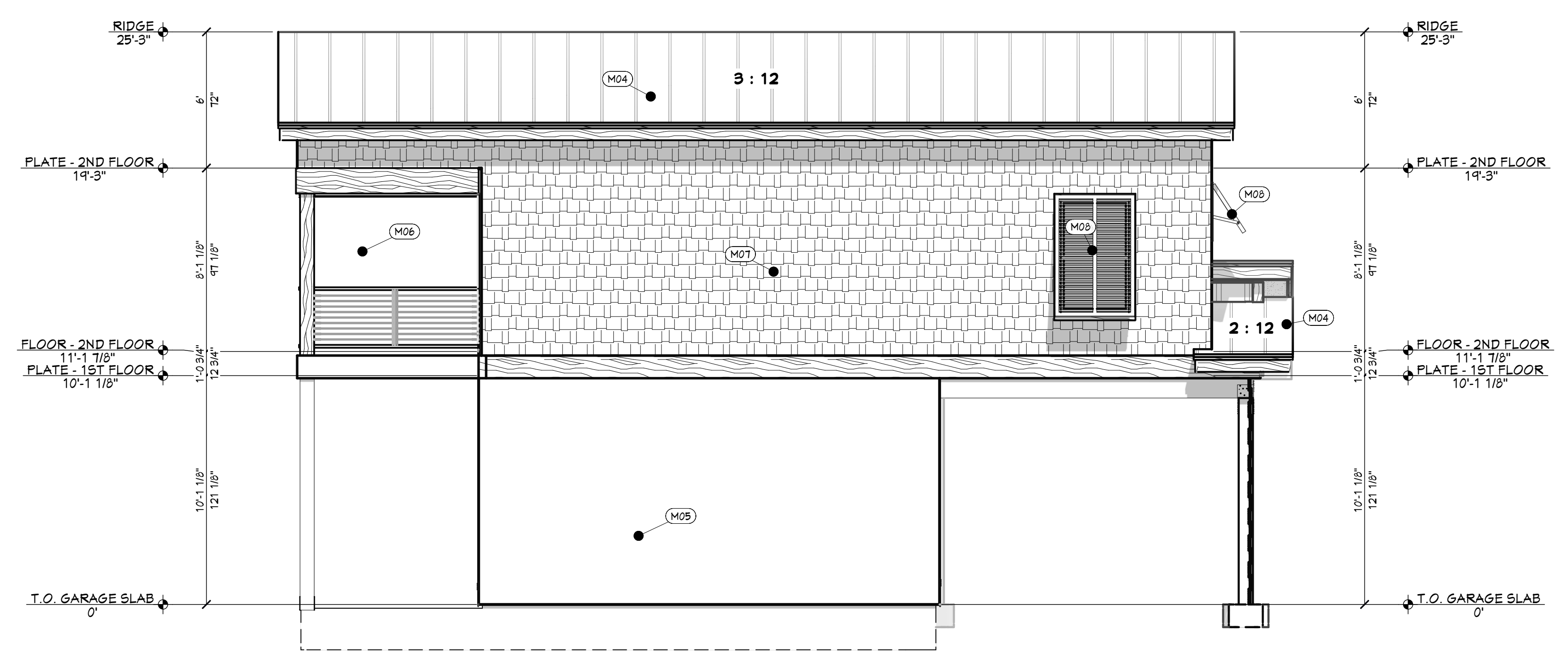
SHEET NUMBER  
A11  
PAGE 11 OF 15



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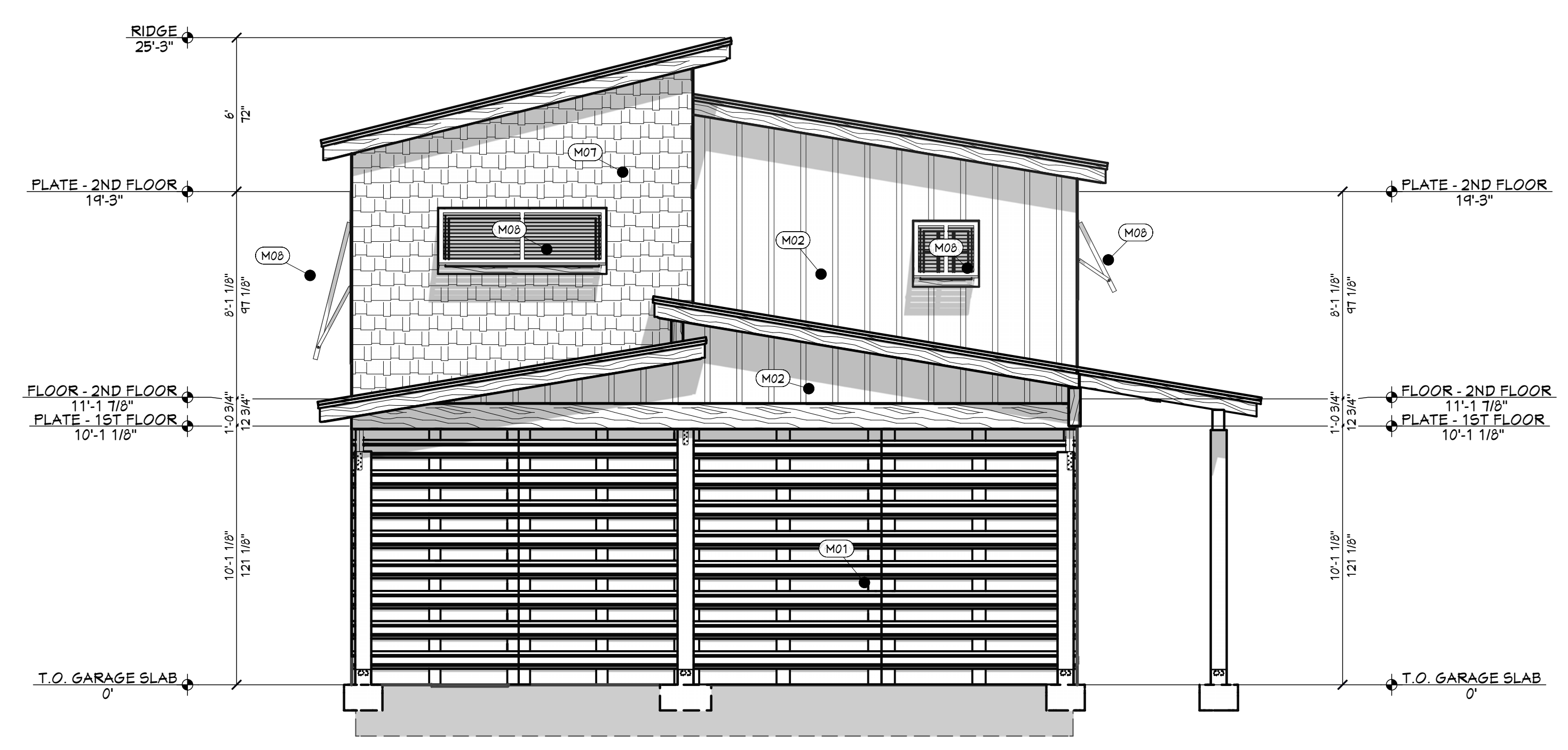
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RE REAR ELEVATION  
1/4 IN = 1 FT

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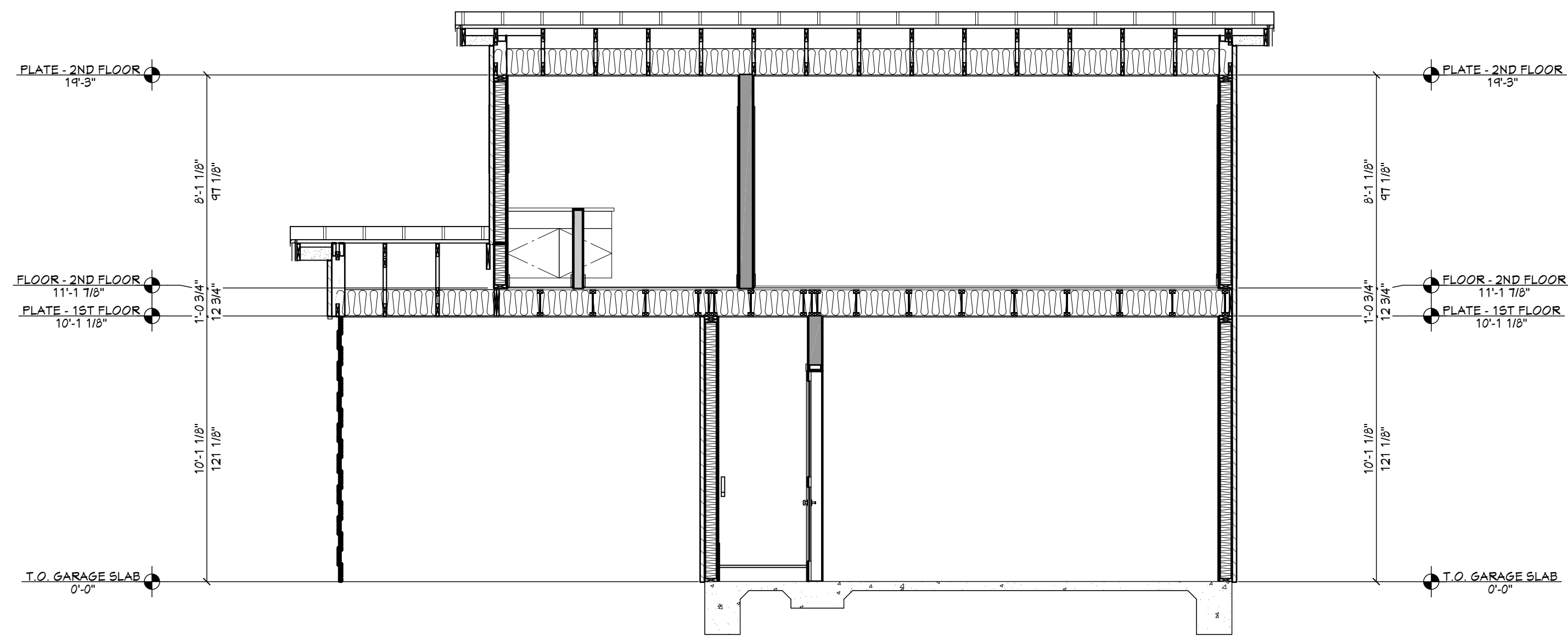
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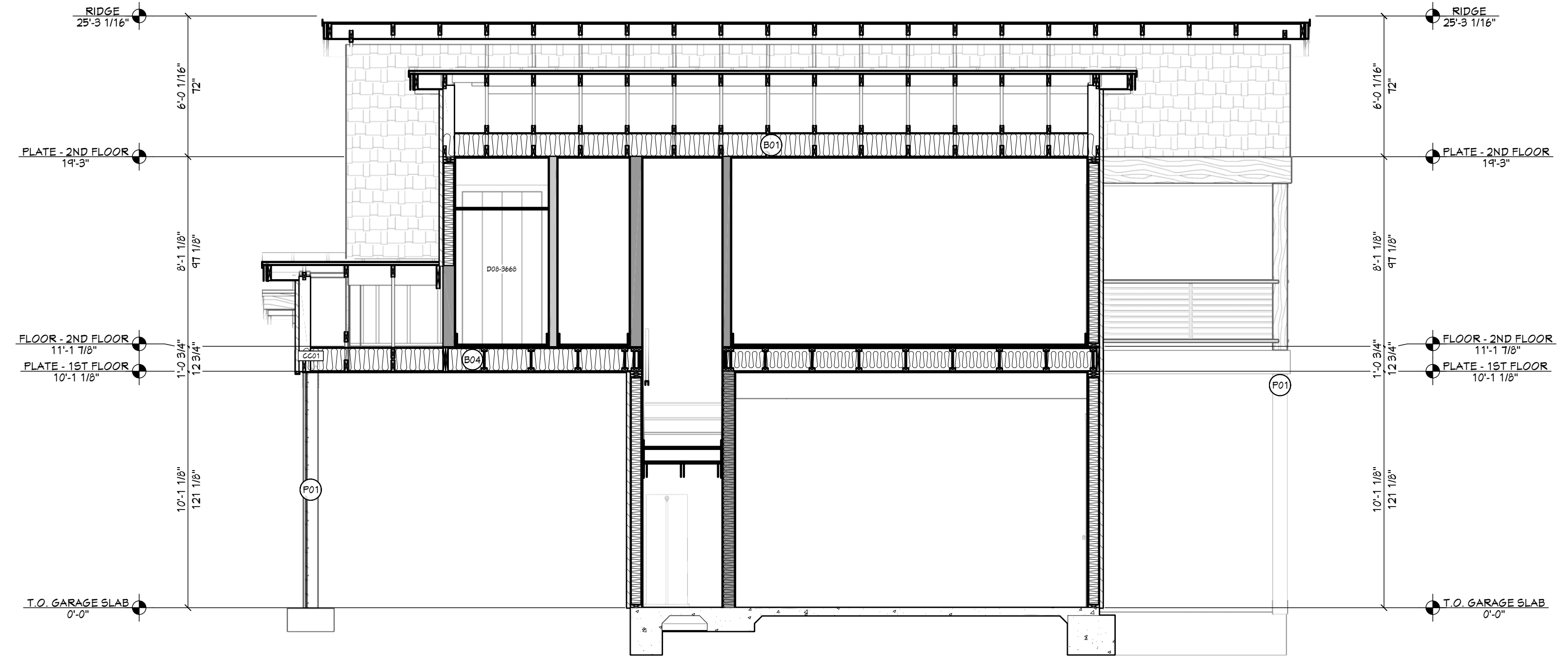
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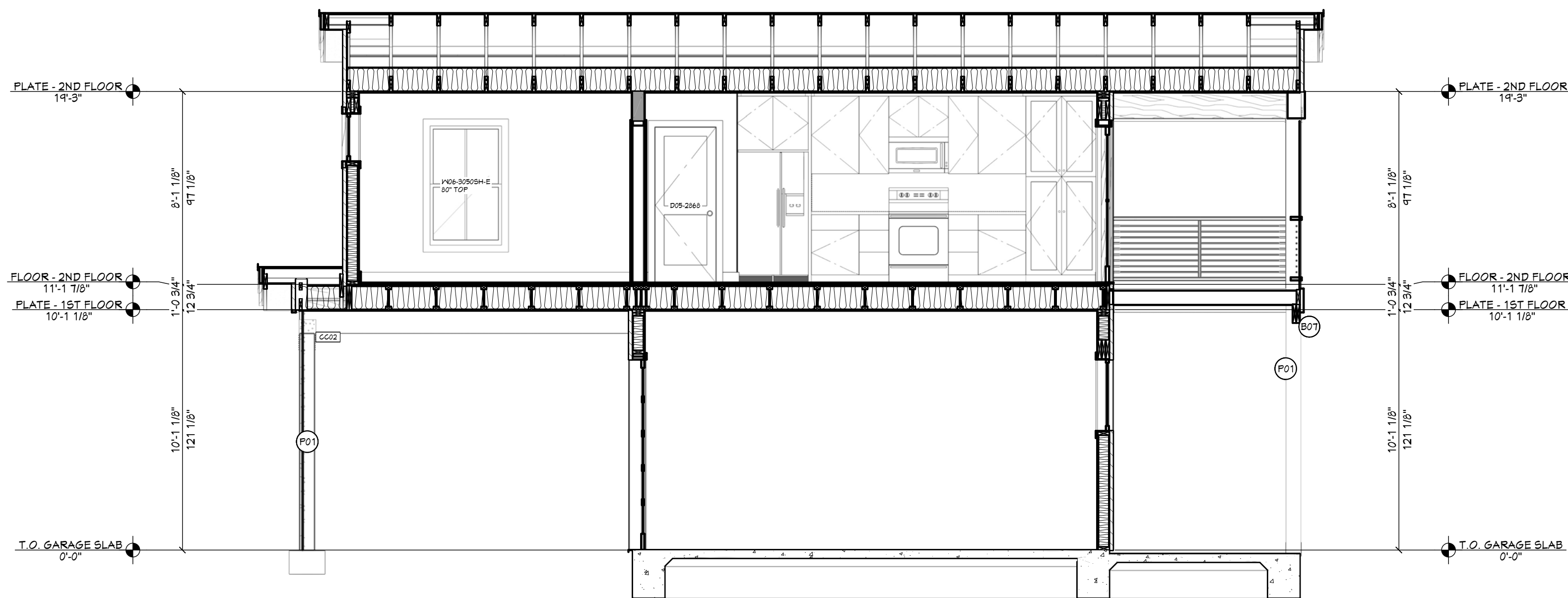
SECTION VIEWS



A VIEW A - A  
1/4 IN = 1 FT



B VIEW B - B  
1/4 IN = 1 FT



C VIEW C - C  
1/4 IN = 1 FT

HEADER SCHEDULE	
NO.	TYPE
H01	(2) 1 3/4 X 1 1/4 LVL
H02	(2) 1 3/4 X 1 1/2 LVL
H03	(2) 2X2 D.F.
H04	(2) 2X10 D.F.
H05	(3) 2X10 D.F.

POST SCHEDULE			
NO.	QTY	FLR	NOTES
P01	4	1	2X8 SYP #2

BEAM SCHEDULE								
NO.	FLR	FLY(S)	NOTES	STR LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC #
B01	2	2	(B-01) 1 3/4 X 11 7/8 MICROLLAM LVL OR BOX GIRDER (DELETE IF CLEAR SPAN TRUSSES)	20'		20'-2 7/8"	19'-3"	1
B02	2	2	(B-02) 2X8 SYP #2	8'-3"		19'-3"	18'-7 3/4"	2
B03	2	2	(B-03) 2X8 SYP #2	8'-3"		19'-3"	18'-7 3/4"	3
B04	1	3	(B-04) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		11'-1"	10'-1 1/8"	4
B05	1	2	(B-05) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		10'-1 1/8"	9'-1 1/4"	5
B06	1	2	(B-06) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		10'-1 1/8"	9'-1 1/4"	6
B07	1	2	(B-07) 1 3/4 X 9 1/4 MICROLLAM LVL	11'-4 5/8"		10'-3 3/4"	9'-6 1/2"	7
B08	1	1	(B-08) 2X12 SYP #2	9'-11"		11'-0 3/8"	10'-1 1/8"	8
B09	1	1	(B-09) 2X12 SYP #2	4'-5"		11'-0 3/8"	10'-1 1/8"	9
B10	1	1	(B-10) 6X10 SYP #2	18'-7 3/8"		10'-3 3/4"	9'-11 1/4"	10
B11	1	1	(B-11) 6X10 SYP #2	20'		10'-3 3/4"	9'-11 1/4"	11
B12	1	3	(B-12) 1 3/4 X 14 MICROLLAM LVL	16'-0 1/2"		10'-1 1/8"	8'-11 1/8"	12

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A14	SECTION VIEWS
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GARAGE W/LIVING ABOVE  
FOR CHRIS AND KATIE WATKINS BEAUFORT, SC

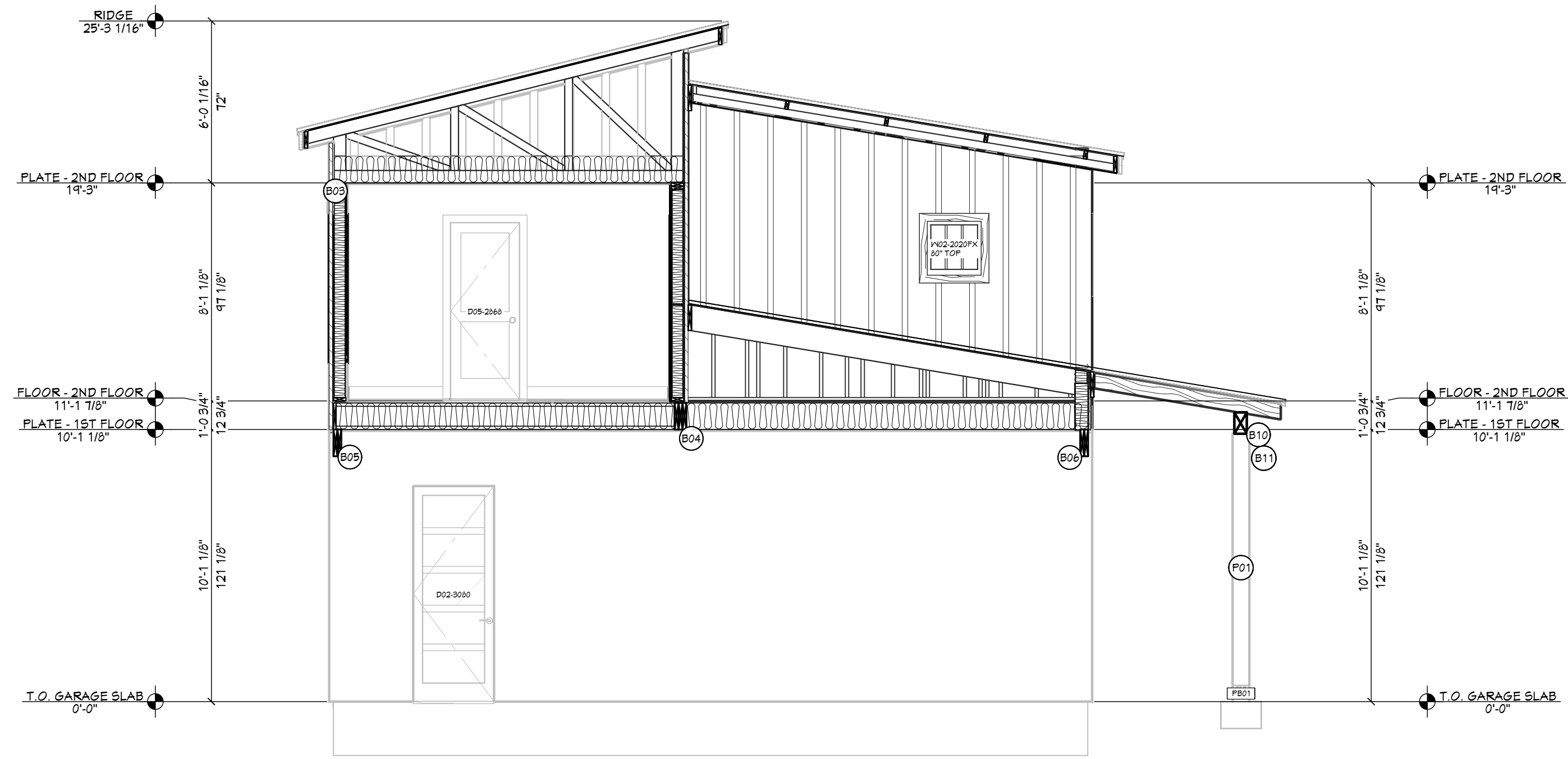
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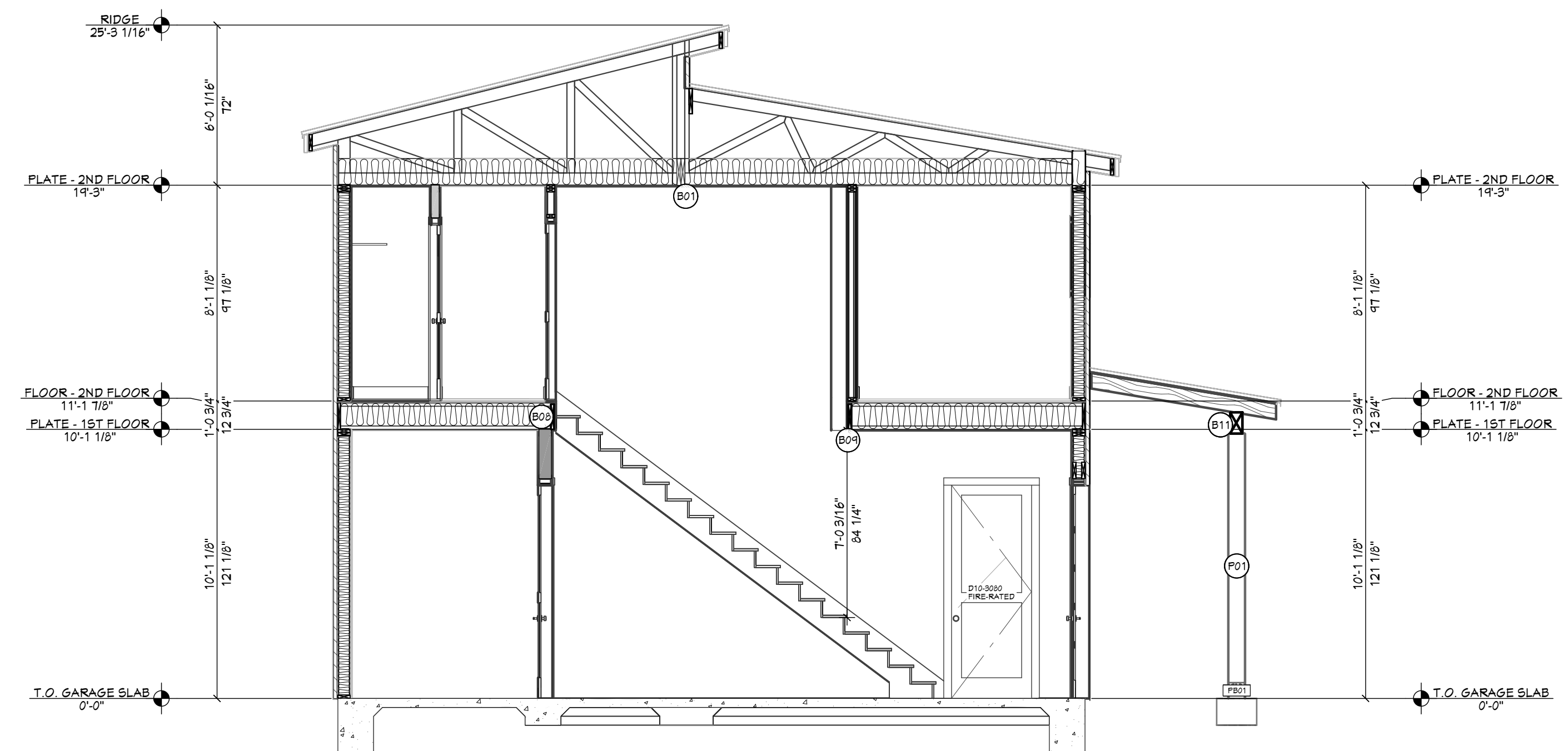
SECTION VIEWS

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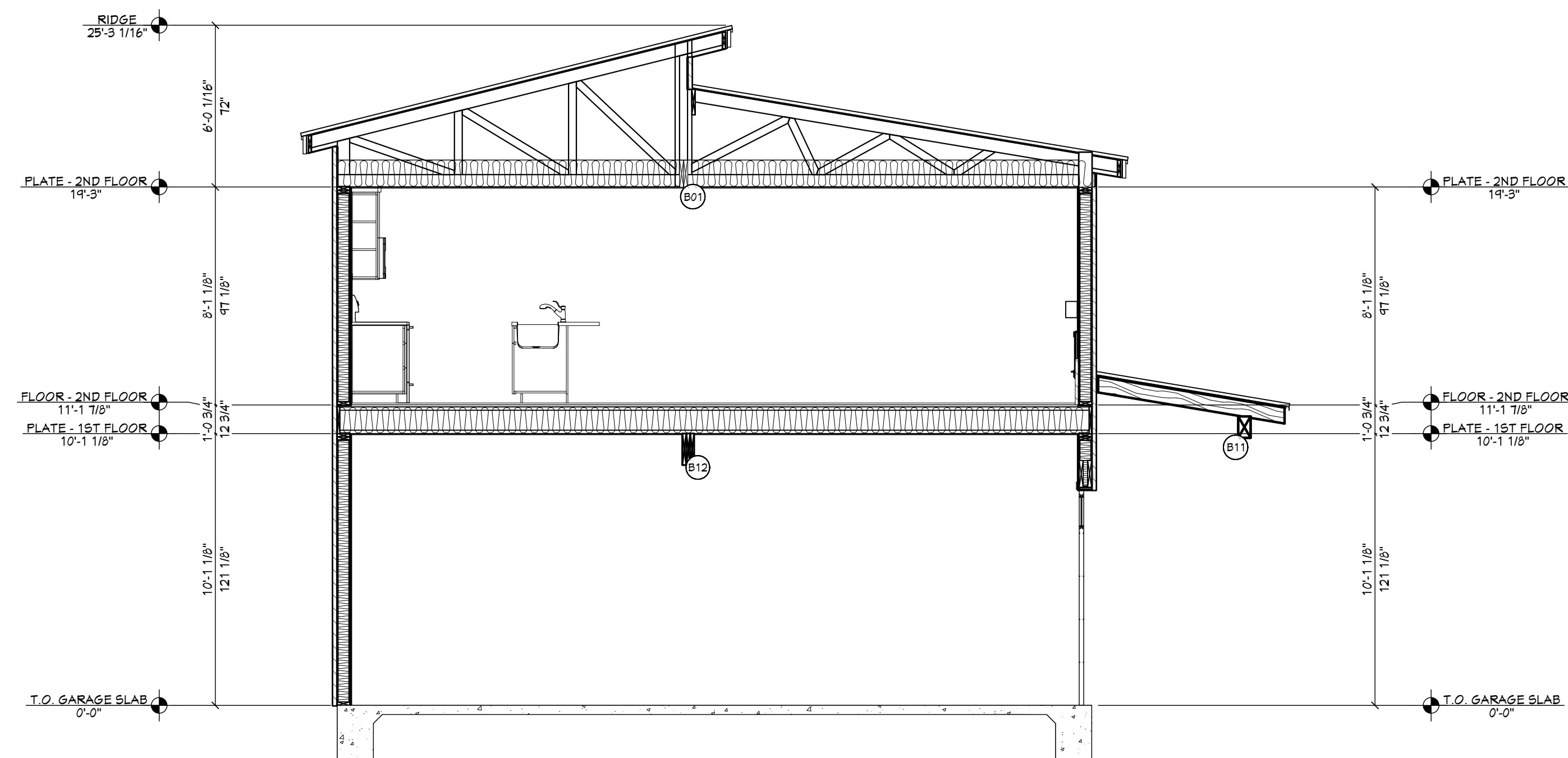
SHEET NUMBER  
A14  
PAGE 14 OF 15



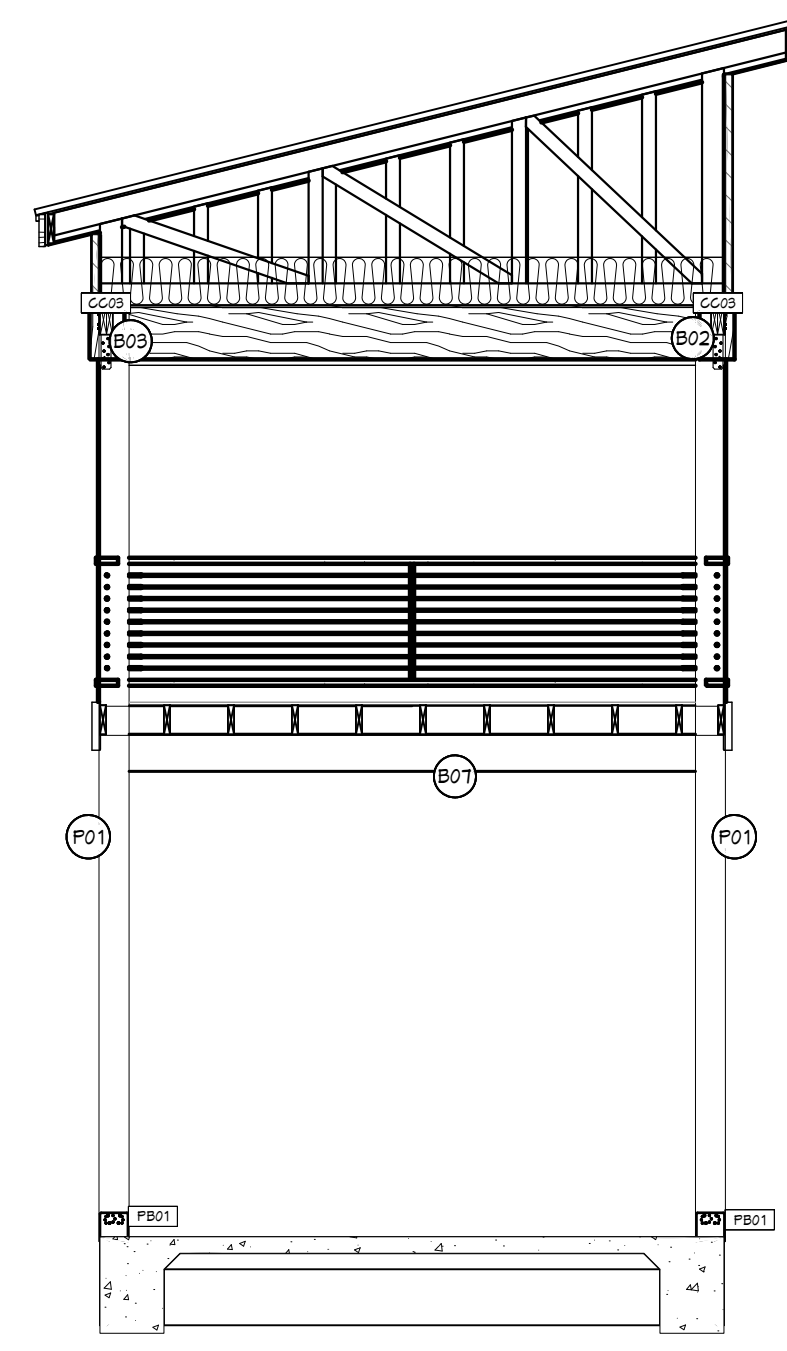
D VIEW D - D  
1/4 IN = 1 FT



E VIEW E - E  
1/4 IN = 1 FT



F VIEW F - F  
1/4 IN = 1 FT



G VIEW G - G  
1/4 IN = 1 FT

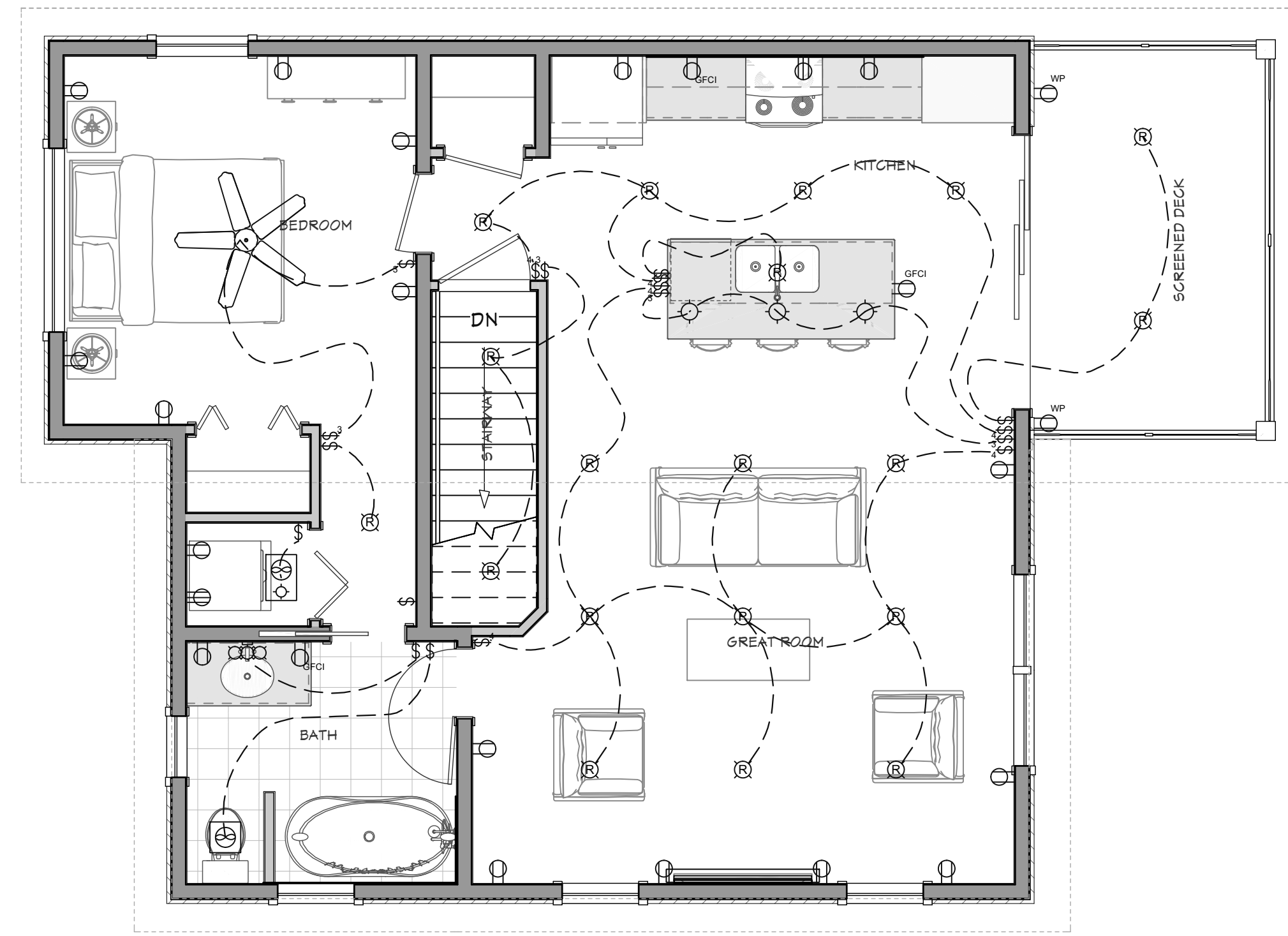
BEAM SCHEDULE									
NO.	FLR	PLY(S)	NOTES	GTR LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC #	
B01	2	2	(B-01) 1 3/4 X 11 7/8 MICROLLAM LVL OR BOX GIRDER (DELETE IF CLEAR SPAN TRUSSES)	28'		20'-2 7/8"	14'-3"	1	
B02	2	2	(B-02) 2X8 SYP #2	8'-3"		14'-3"	18'-7 3/4"	2	
B03	2	2	(B-03) 2X8 SYP #2	8'-3"		14'-3"	18'-7 3/4"	3	
B04	1	3	(B-04) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		11'-1"	10'-1 1/8"	4	
B05	1	2	(B-05) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		10'-1 1/8"	4'-1 1/4"	5	
B06	1	2	(B-06) 1 3/4 X 11 7/8 MICROLLAM LVL	14'-5"		10'-1 1/8"	4'-1 1/4"	6	
B07	1	2	(B-07) 1 3/4 X 8 1/4 MICROLLAM LVL	11'-4 5/8"		4'-6 1/2"		7	
B08	1	1	(B-08) 2X12 SYP #2	3'-11"		11'-0 3/8"	10'-1 1/8"	8	
B09	1	1	(B-09) 2X12 SYP #2	4'-5"		11'-0 3/8"	10'-1 1/8"	9	
B10	1	1	(B-10) 6X10 SYP #2	19'-1 3/8"		10'-3 3/4"	4'-1 1/4"	10	
B11	1	1	(B-11) 6X10 SYP #2	20'		10'-3 3/4"	4'-1 1/4"	11	
B12	1	3	(B-12) 1 3/4 X 14 MICROLLAM LVL	16'-0 1/2"		10'-1 1/8"	8'-11 1/8"	12	

POST SCHEDULE			
NO.	QTY	FLR	NOTES
F01	4	1	8X8 SYP #2

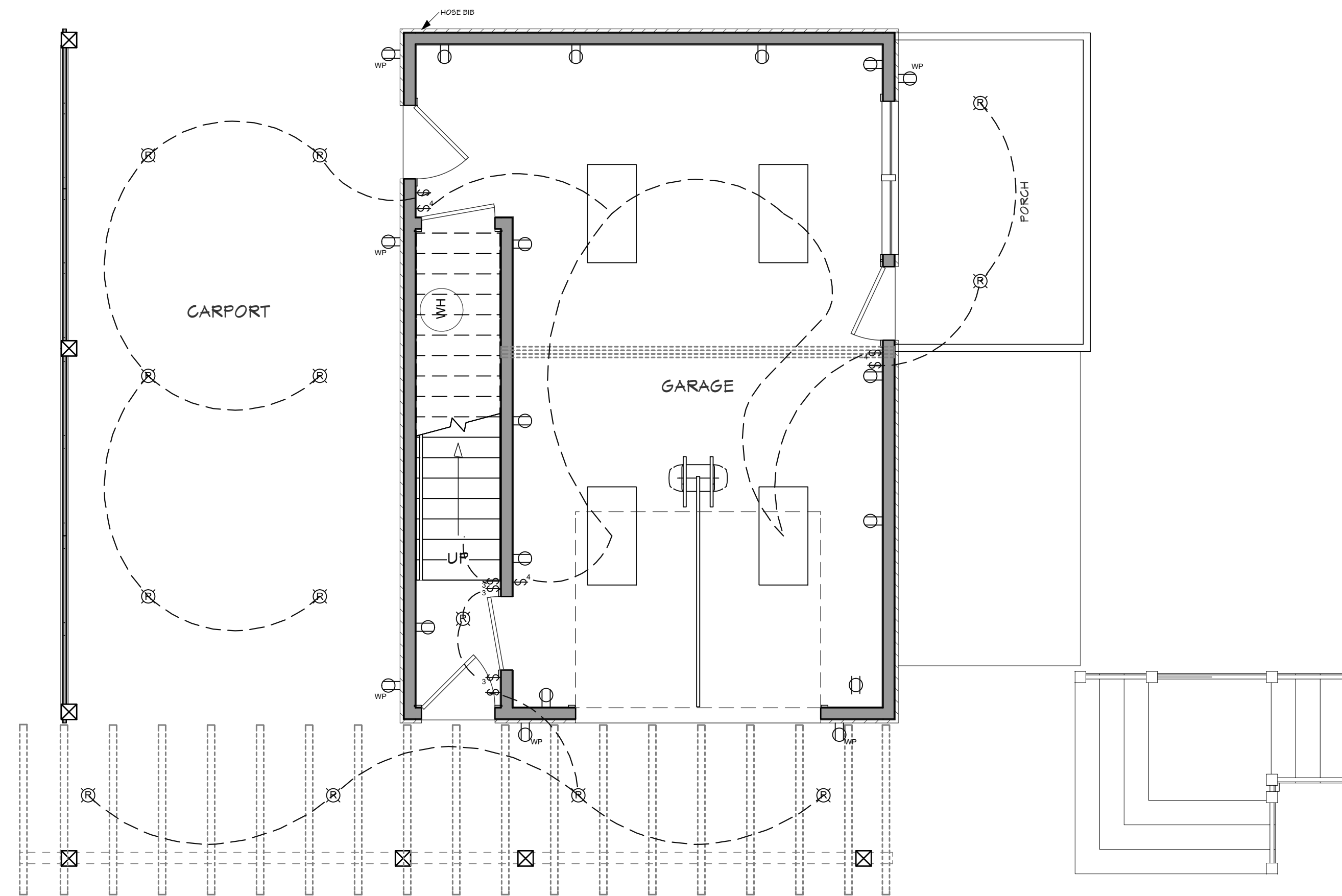
HEADER SCHEDULE	
NO.	TYPE
H01	(2) 1 3/4 X 7 1/4 LVL
H02	(2) 1 3/4 X 11 7/8 LVL
H03	(2) 2X8 D.F.
H04	(2) 2X10 D.F.
H05	(3) 2X10 D.F.

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**ELECTRICAL - 2ND LEVEL**  
1/4 IN = 1 FT



**ELECTRICAL - 1ST LEVEL**  
1/4 IN = 1 FT

NUMBER	QTY	2D SYM	FLOOR	DESCRIPTION
E01	3	[Symbol]		DECORATOR SWITCH
E02	13	[Symbol]		RECESSED DOWN LIGHT 6
E03	4	[Symbol]		MEDIUM DOUBLE SURFACE MOUNTED TUBE LIGHT (48W/2   D)
E04	3	[Symbol]		DECORATOR SWITCH 3-WAY
E05	6	[Symbol]		DUPLEX (WEATHERPROOF)
E06	11	[Symbol]		DECORATOR OUTLET
E07	1	[Symbol]		DUPLEX CEILING MOUNTED
E08	3	[Symbol]		DECORATOR SWITCH 4-WAY
E09	2	[Symbol]		ENGINEER'S TABLE LAMP
E10	19	[Symbol]		RECESSED DOWN LIGHT 6
E11	3	[Symbol]		MERIDIAN PENDANT
E12	1	[Symbol]		CEILING FAN W/LIGHT
E13	7	[Symbol]		DECORATOR SWITCH
E14	5	[Symbol]		DECORATOR SWITCH 3-WAY
E15	6	[Symbol]		DECORATOR SWITCH 4-WAY
E16	3	[Symbol]		DECORATOR GFCI OUTLET
E17	17	[Symbol]		DECORATOR OUTLET
E18	2	[Symbol]		220V
E19	1	[Symbol]		EXHAUST
E20	2	[Symbol]		DUPLEX (WEATHERPROOF)
E21	1	[Symbol]		SCONCE 3
E22	1	[Symbol]		EXHAUST (LIGHT)

Generated by REScheck-Web Software  
**Compliance Certificate**

Project 22-032 Watkins

Energy Code: **2018 IECC**  
Location: **Beaufort, South Carolina**  
Construction Type: **Single-family**  
Project Type: **New Construction**  
Orientation: **Bldg. faces 270 deg. from North**  
Conditioned Floor Area: **796 ft2**  
Glazing Area: **9%**  
Climate Zone: **3 (1842 HDD)**  
Permit Date:

Construction Site: \_\_\_\_\_ Owner/Agent: \_\_\_\_\_ Designer/Contractor: Steve SMC Design Nampa, ID 208.249.7288

**Compliance: Passes using UA trade-off**  
Compliance: **1.9% Better Than Code** Maximum UA: **158** Your UA: **155** Maximum SHGC: **0.25** Your SHGC: **0.25**  
The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules. It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.  
Slab-on-grade tradeoffs are no longer considered in the UA or performance compliance path in REScheck. Each slab-on-grade assembly in the specified climate zone must meet the minimum energy code insulation R-value and depth requirements.

**Envelope Assemblies**

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Ceiling 1: Flat Ceiling or Scissor Truss	836	38.0	0.0	0.030	0.030	25	25
Front Walls: Wood Frame, 16" o.c.	256	21.0	0.0	0.057	0.060	14	14
Orientation: Front							
Window 3: Vinyl Frame:Double Pane with Low-E SHGC: 0.25	19			0.320	0.320	6	6
Orientation: Front							
Right Walls: Wood Frame, 16" o.c.	224	21.0	0.0	0.057	0.060	7	8
Orientation: Right side							
Door 1: Solid	60			0.320	0.320	19	19
Orientation: Right side							
Window 1: Vinyl Frame:Double Pane with Low-E SHGC: 0.25	36			0.320	0.320	12	12
Orientation: Right side							
Rear Walls: Wood Frame, 16" o.c.	256	21.0	0.0	0.057	0.060	14	14
Orientation: Back							
Window 2: Vinyl Frame:Double Pane with Low-E SHGC: 0.25	15			0.320	0.320	5	5
Orientation: Back							

Project Title: 22-032 Watkins  
Data filename:

Report date: 02/27/23  
Page 1 of 2

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Left Walls: Wood Frame, 16" o.c.	224	21.0	0.0	0.057	0.060	12	12
Orientation: Left side							
Window 4: Vinyl Frame:Double Pane with Low-E SHGC: 0.25	16			0.320	0.320	5	5
Orientation: Left side							
Window 5: Vinyl Frame:Double Pane with Low-E SHGC: 0.25	4			0.320	0.320	1	1
Orientation: Left side							
Floor 1: All-Wood Joist/Truss	796	21.0	0.0	0.044	0.047	35	37

**Compliance Statement:** The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2018 IECC requirements in REScheck Version: REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

THE PROPOSED BUILDING HAS BEEN DESIGNED TO MEET OR EXCEED THE REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE.

CLIMATE ZONE	WINDOOR U-FACTOR	CEILING R-VALUE	POOR FLOOR R-VALUE	FLOOR R-VALUE	SLAB R-VALUE	CRANK SPACE FLOOR R-VALUE
3	0.22	30	2 OR 1/8"	14	0	5/13

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**ELECTRICAL**