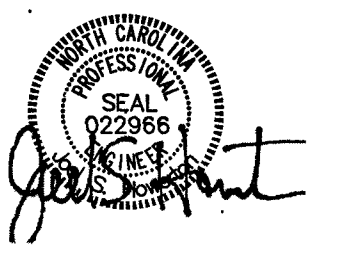


STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC
 LICENSE # P-1716
 3513 CATHEDRAL BELL ROAD, RALEIGH, NC 27614



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NOTICE TO CONTRACTOR
 All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
 Limited building only review
 Permit holder responsible for full compliance with the code

05/12/2023

See truss and joist layouts attached

(2)2X10 HEADER OVER OPENINGS W/ 2 JACKS EA. END (TYPICAL U.O.N.) (SEE GENERAL NOTES)

NOTES: DOG WASH IN LAUNDRY ROOM W/ SHOWER HEAD AT 42" OF HEIGHT
 WATER HEATER WILL BE TANKLESS AND ITS LOCATION DETERMINED BY BUILDER AT LATER DATE

FIRST FLOOR PLAN
 SCALE: 1/4"=1'-0"

FIRST FLOOR HEATED AREA: 1919 SQ. FT.
 SECOND FLOOR HEATED AREA: 1072 SQ. FT. (EXCLUDING STAIRCASE)
 TOTAL HEATED AREA: 2991 SQ. FT. IN SIDING
 GARAGE: 679 SQ. FT.
 FRONT PORCH: 313 SQ. FT.
 DECK: 280 SQ. FT.
 SCREENED PORCH: 272 SQ. FT.
 9 FT. CEILINGS ON FIRST FLOOR
 8 FT. CEILINGS ON SECOND FLOOR

* MUST MEET EMERGENCY EGRESS REQUIREMENTS (SEE SHEET 1).

WINDOW SCHEDULE

A	3'-4" X 4'-2" D.H.	D	3'-0" X 4'-2" D.H.	G	2'-6" X 4'-2" D.H.	L	TRANSOM 3'-8" X 1'-5"	P*	2'-4" X 4'-0" CASEMENT
B*	3'-0" X 6'-2" D.H.	E*	2'-8" X 5'-2" D.H.	H	2'-4" X 3'-6" D.H.	M	TRANSOM 4'-2" X 1'-0"	Q	
C	3'-0" X 4'-6" D.H.	F	2'-8" X 3'-2" D.H.	K	2'-0" X 3'-6" D.H.	N	TRANSOM 2'-4" X 1'-5"	R	

DOOR SCHEDULE

1	PARTIAL LITE 3'-0" X 6'-8" X 1 3/4"	4	3'-0" X 6'-8" X 1 3/4"	7	BARN W/ LITE 2'-8" X 6'-8" X 1 3/8"	10	2'-4" X 6'-8" X 1 3/8"	13	POCKET 2'-0" X 6'-8" X 1 3/8"	16	BI-FOLD 4'-0" X 6'-8" X 1 3/8"
2	PARTIAL LITE 1'-0" X 6'-8" X 1 3/4"	5	3'-0" X 6'-8" X 1 3/8"	8	2'-8" X 6'-8" X 1 3/8"	11	POCKET 2'-4" X 6'-8" X 1 3/8"	14	DOUBLE OPENING 5'-0" X 6'-8" X 1 3/8"	17	GARAGE DOOR 18'-0" X 8'-0"
3	FULL LITE 3'-0" X 6'-8" X 1 3/4"	6	2'-8" X 6'-8" X 1 3/8"	9	POCKET 2'-6" X 6'-8" X 1 3/8"	12	2'-0" X 6'-8" X 1 3/8"	15	DOUBLE OPENING 3'-0" X 6'-8" X 1 3/8"	18	SCREENED DOOR 3'-0" X 6'-8" X 1 1/8"

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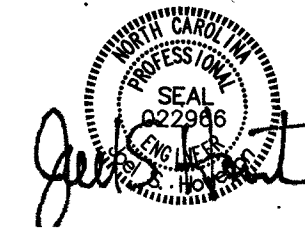
DESIGNED FOR SCOTT & KYLE CALDWELL	PLAN NO. CUSTOM 2552	MATERIAL SIDING	SHOWN
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REVISED 02-25-20

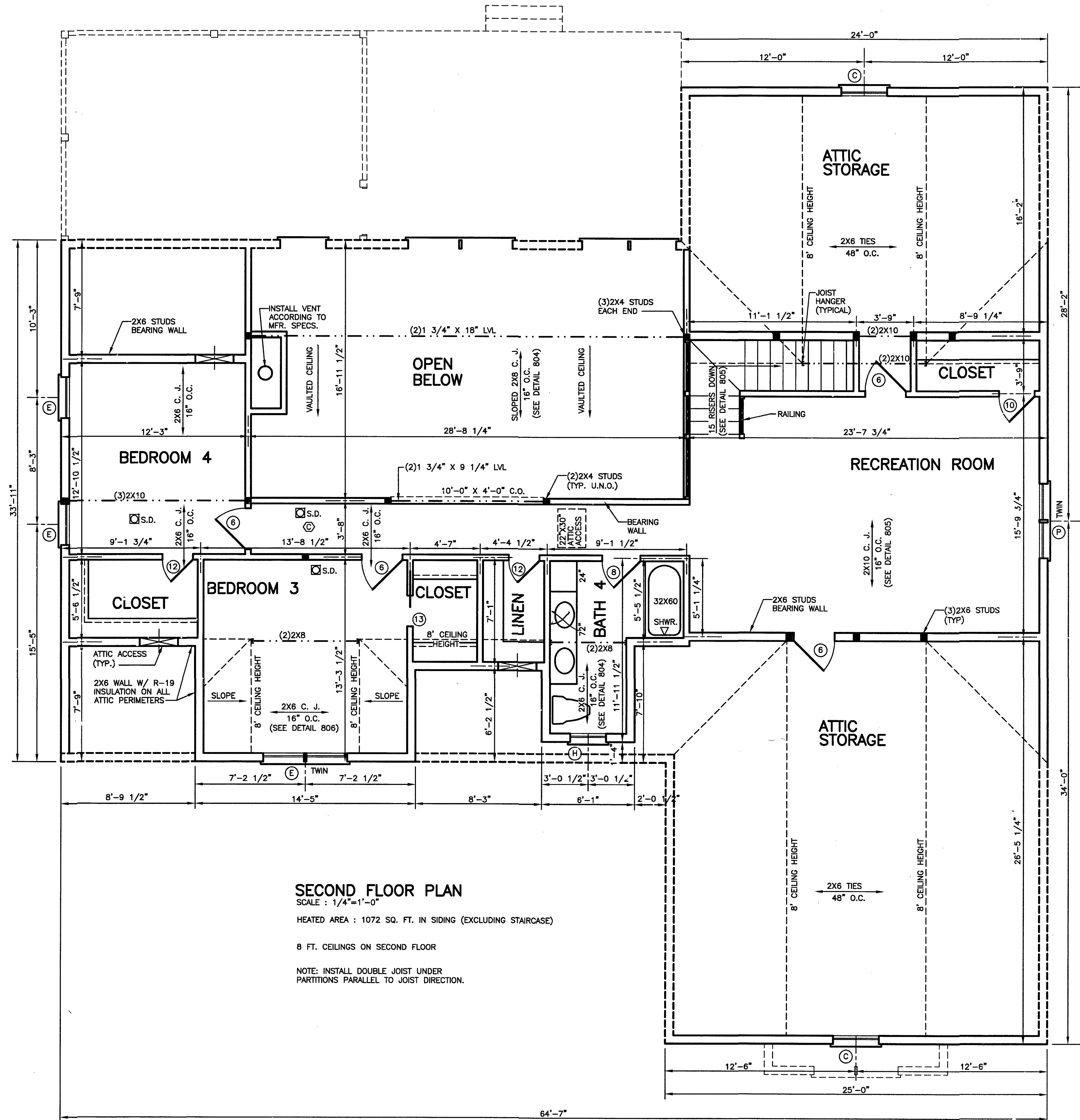
SHEET
3 OF 8

STRUCTURAL EVALUATION BY:

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 LICENSE # P-1716
 3513 CATHEDRAL BELL ROAD, RALEIGH, NC 27614



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* MUST MEET EMERGENCY EGRESS REQUIREMENTS (SEE SHEET 1).

WINDOW SCHEDULE

A	3'-4" X 4'-2" D.H.	D	3'-0" X 4'-2" D.H.	G	2'-6" X 4'-2" D.H.	L	TRANSOM 3'-8" X 1'-5"	P*	2'-4" X 4'-0" CASEMENT
B*	3'-0" X 6'-2" D.H.	E*	2'-8" X 5'-2" D.H.	H	2'-4" X 3'-6" D.H.	M	TRANSOM 4'-2" X 1'-0"	Q	
C	3'-0" X 4'-6" D.H.	F	2'-8" X 3'-2" D.H.	K	2'-0" X 3'-6" D.H.	N	TRANSOM 2'-4" X 1'-5"	R	

DOOR SCHEDULE

1	PARTIAL LITE 3'-0" X 6'-8" X 1 3/4"	4	3'-0" X 6'-8" X 1 3/4"	7	BARN W/ LITE 2'-8" X 6'-8" X 1 3/8"	10	2'-4" X 6'-8" X 1 3/8"	13	POCKET 2'-0" X 6'-8" X 1 3/8"	16	BI-FOLD 4'-0" X 6'-8" X 1 3/8"
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3	FULL LITE 3'-0" X 6'-8" X 1 3/4"	6	2'-8" X 6'-8" X 1 3/8"	9	POCKET 2'-6" X 6'-8" X 1 3/8"	12	2'-0" X 6'-8" X 1 3/8"	15	DOUBLE OPENING 3'-0" X 6'-8" X 1 3/8"	18	SCREENED DOOR 3'-0" X 6'-8" X 1 1/8"

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SEE HOME DESIGN PREVIEWS ONLINE AT WWW.STANDARHHOMES.COM

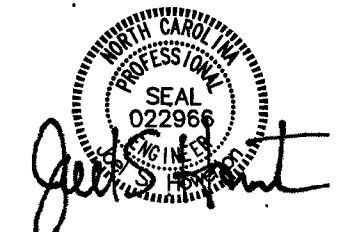
DESIGNED FOR: SCOTT & KYLEY CALDWELL
 PLAN NO.: CUSTOM 2552
 MATERIAL: SIDING
 SHOWN

REVISED 02-25-20

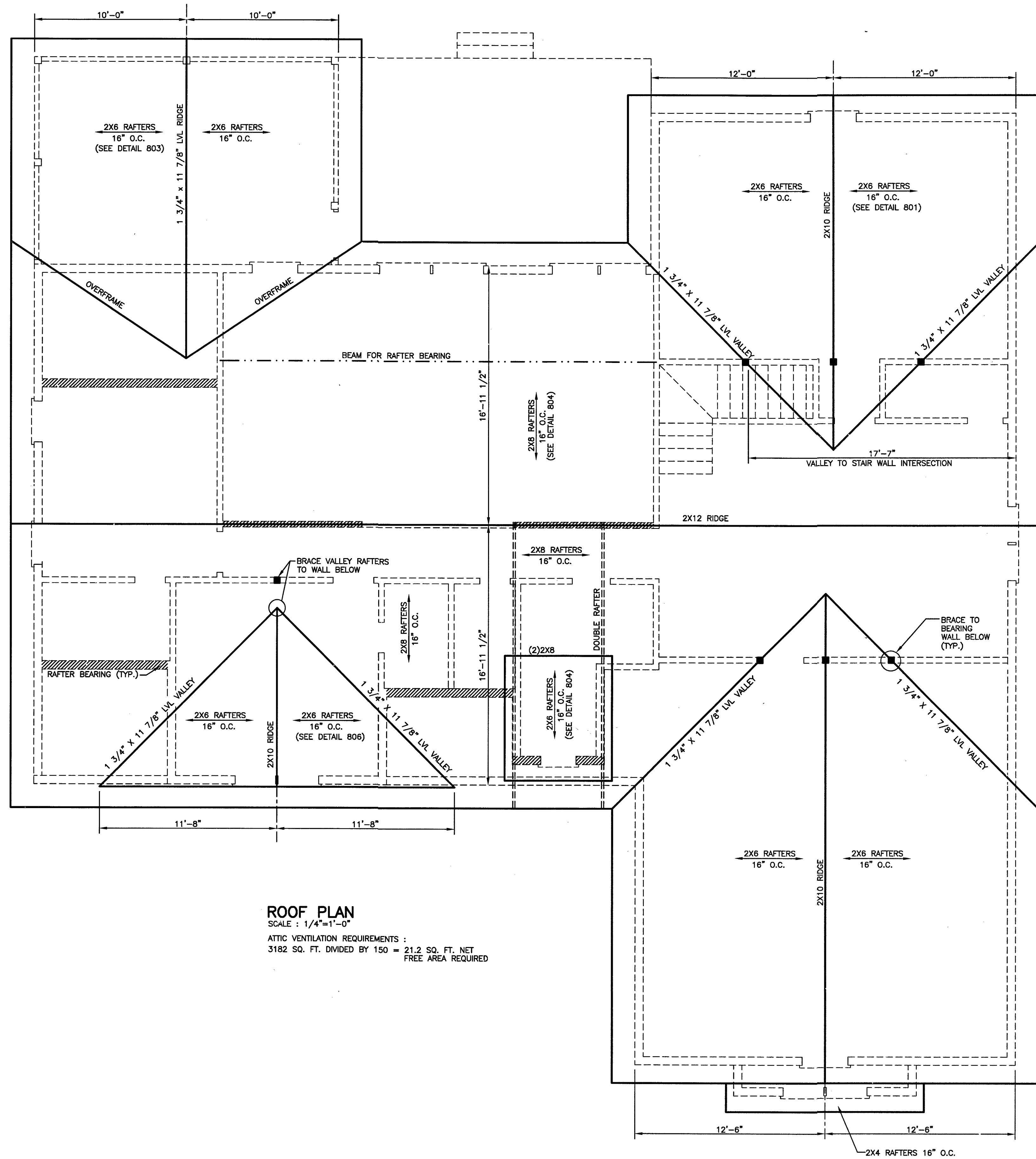
SHEET
4 OF 8

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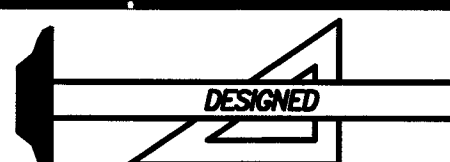
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 LICENSE # P-1716
 3513 CATHEDRAL BELL ROAD, RALEIGH, NC 27614



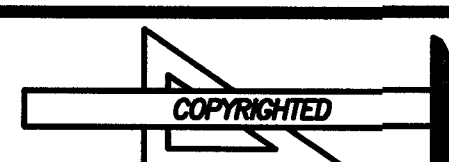
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ROOF PLAN
 SCALE : 1/4"=1'-0"
 ATTIC VENTILATION REQUIREMENTS :
 3182 SQ. FT. DIVIDED BY 150 = 21.2 SQ. FT. NET
 FREE AREA REQUIRED



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DESIGNED FOR	PLAN	NO.	MAT'L	SHOWN	SHEET
SCOTT & KYLEY CALDWELL	CUSTOM	2552	SIDING		5 OF 8

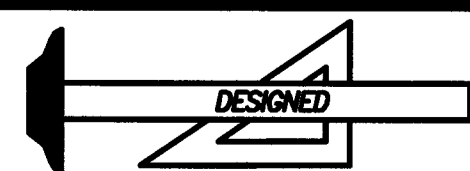
REVISED 02-25-20



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

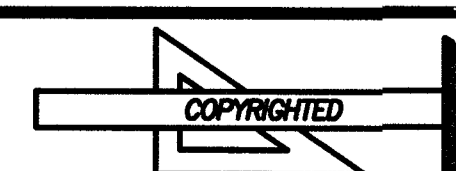


RIGHT ELEVATION
SCALE : 1/4"=1'-0"



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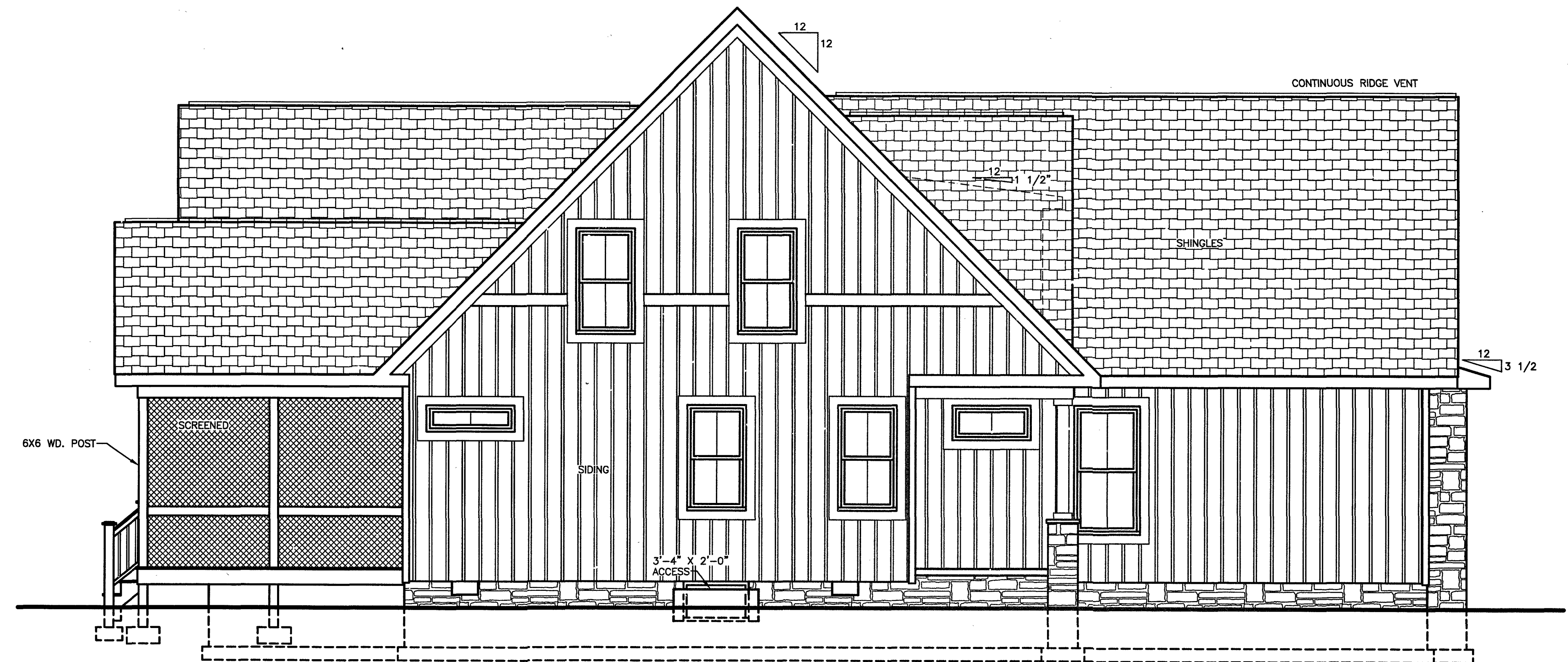
DESIGNED FOR	PLAN	NO.	MAT'L	SHOWN	SHEET
SCOTT & KYLEY CALDWELL	CUSTOM	2552	SIDING		6 OF 8

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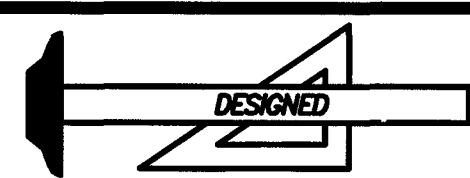


REAR ELEVATION
SCALE : 1/4"=1'-0"

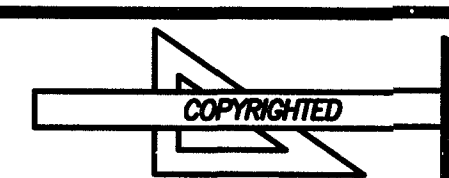


LEFT ELEVATION
SCALE : 1/4"=1'-0"

REVISED 02-25-20

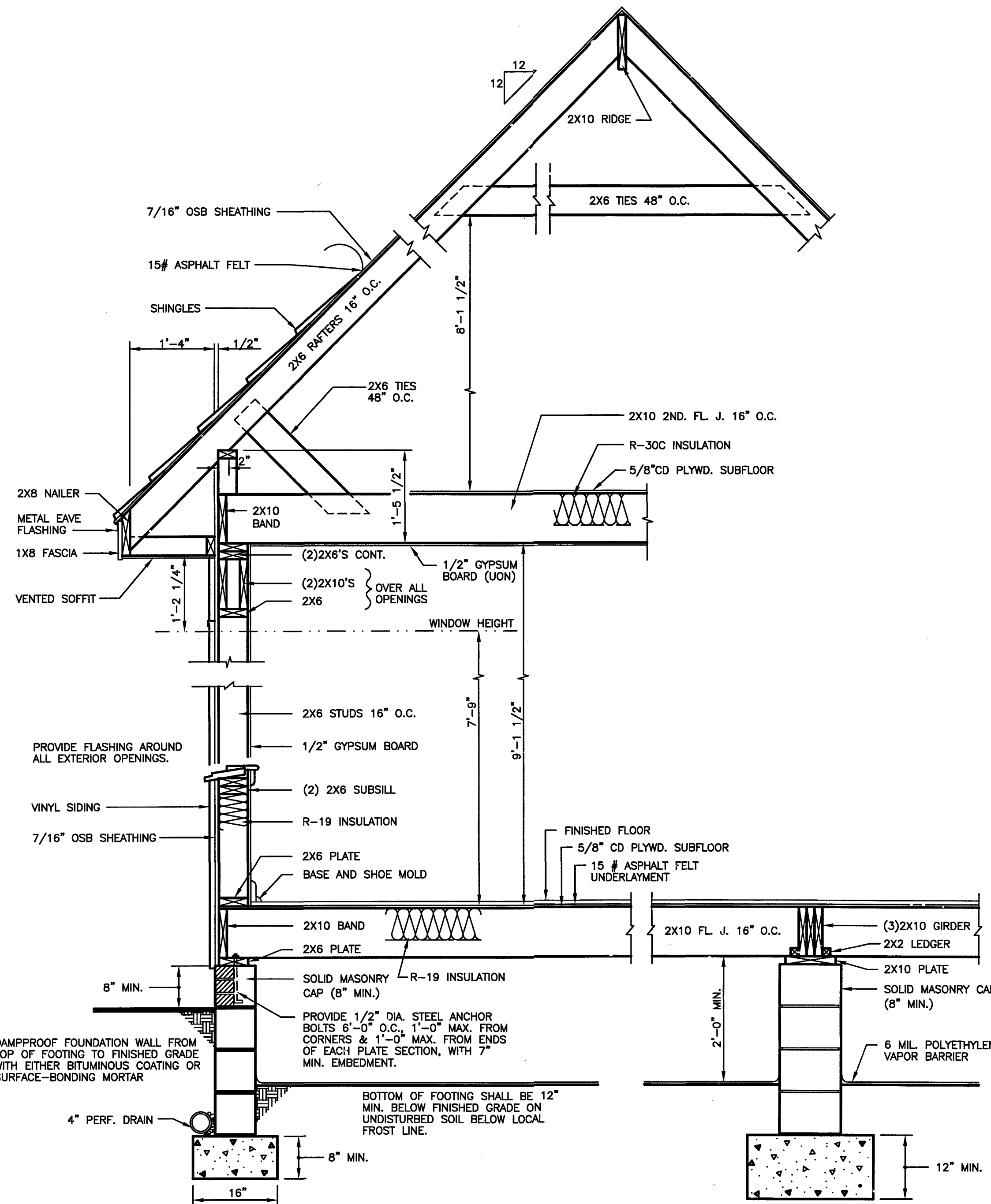


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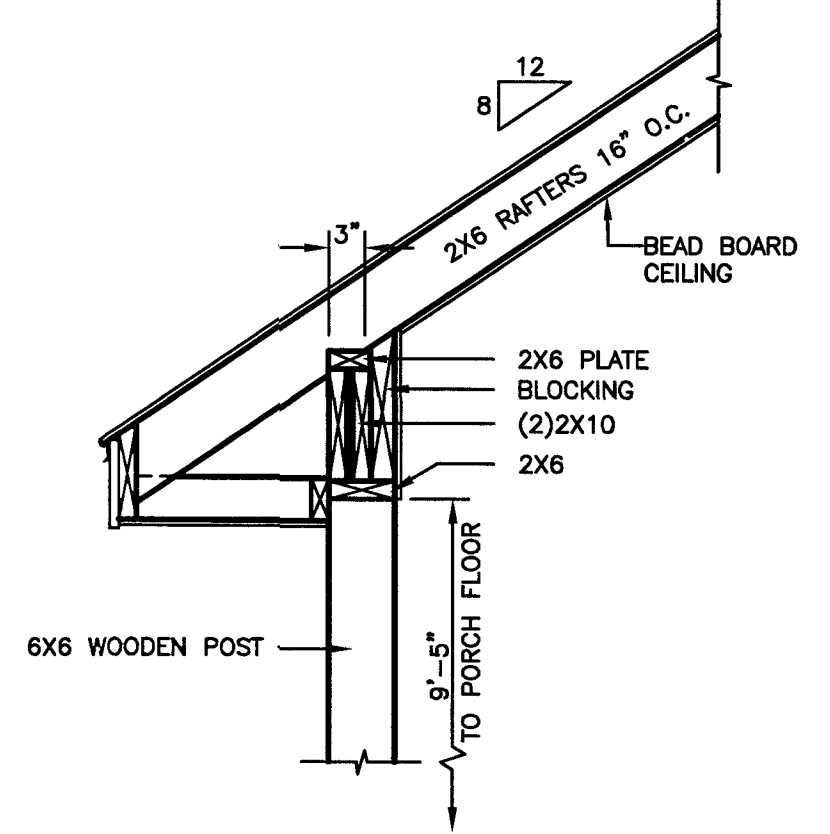


DESIGNED FOR	PLAN	NO.	MAT'L	SHOWN	SHEET
SCOTT & KYLEY CALDWELL	CUSTOM	2552	SIDING		7 OF 8

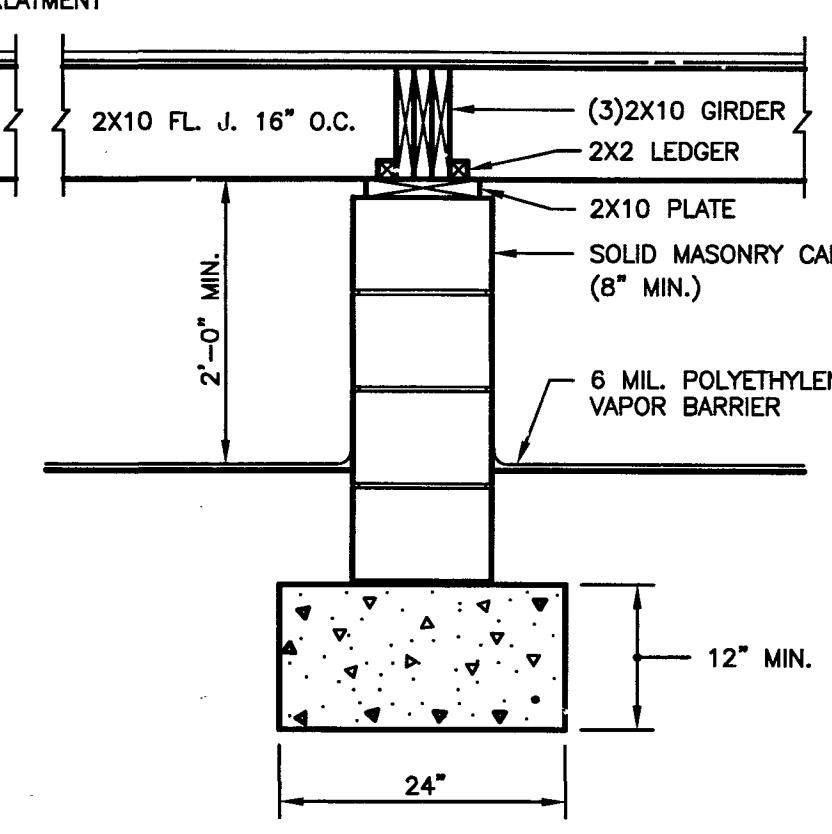
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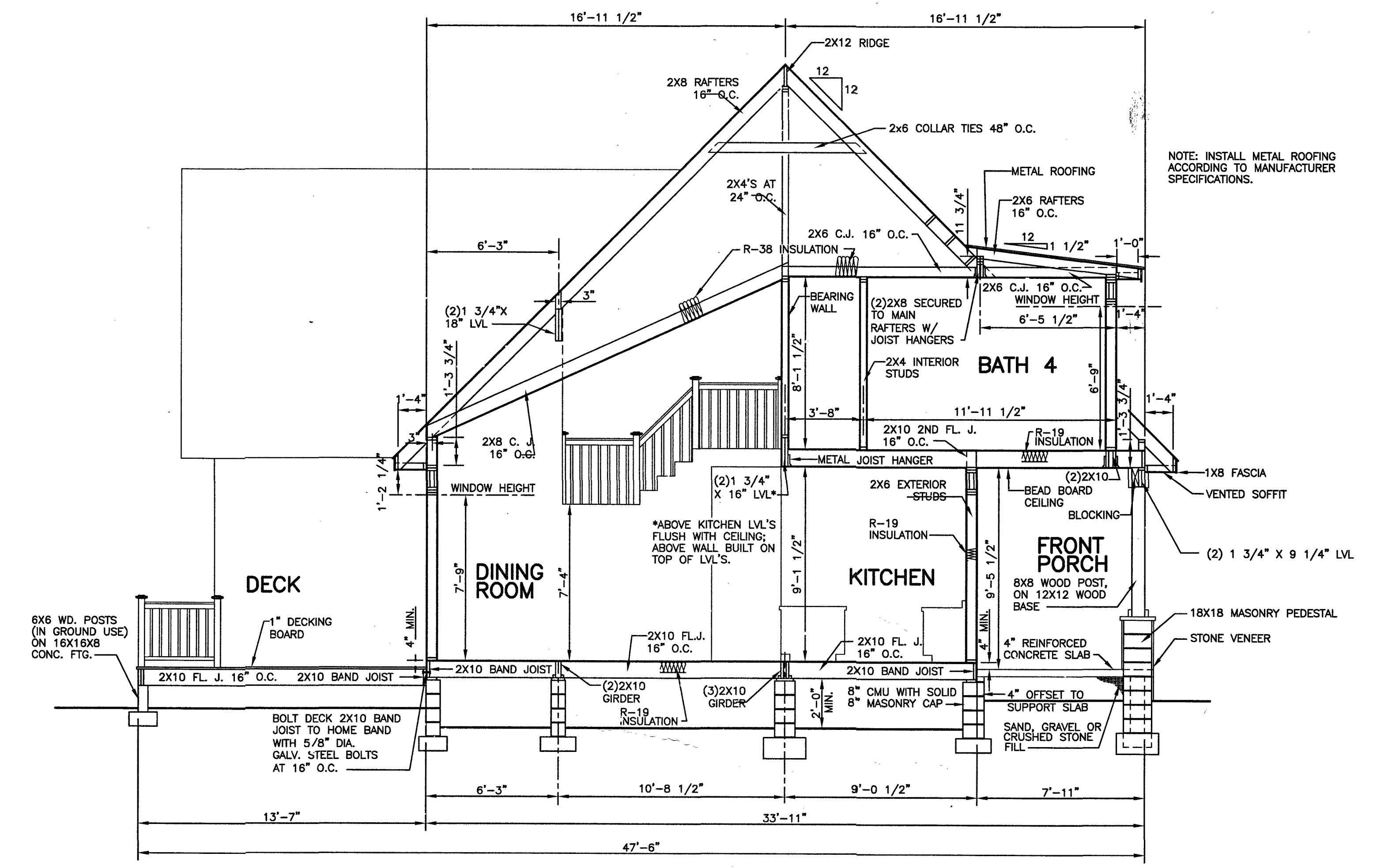
801 BEDROOM 1 WALL SECTION
SCALE: 3/4" = 1'-0"



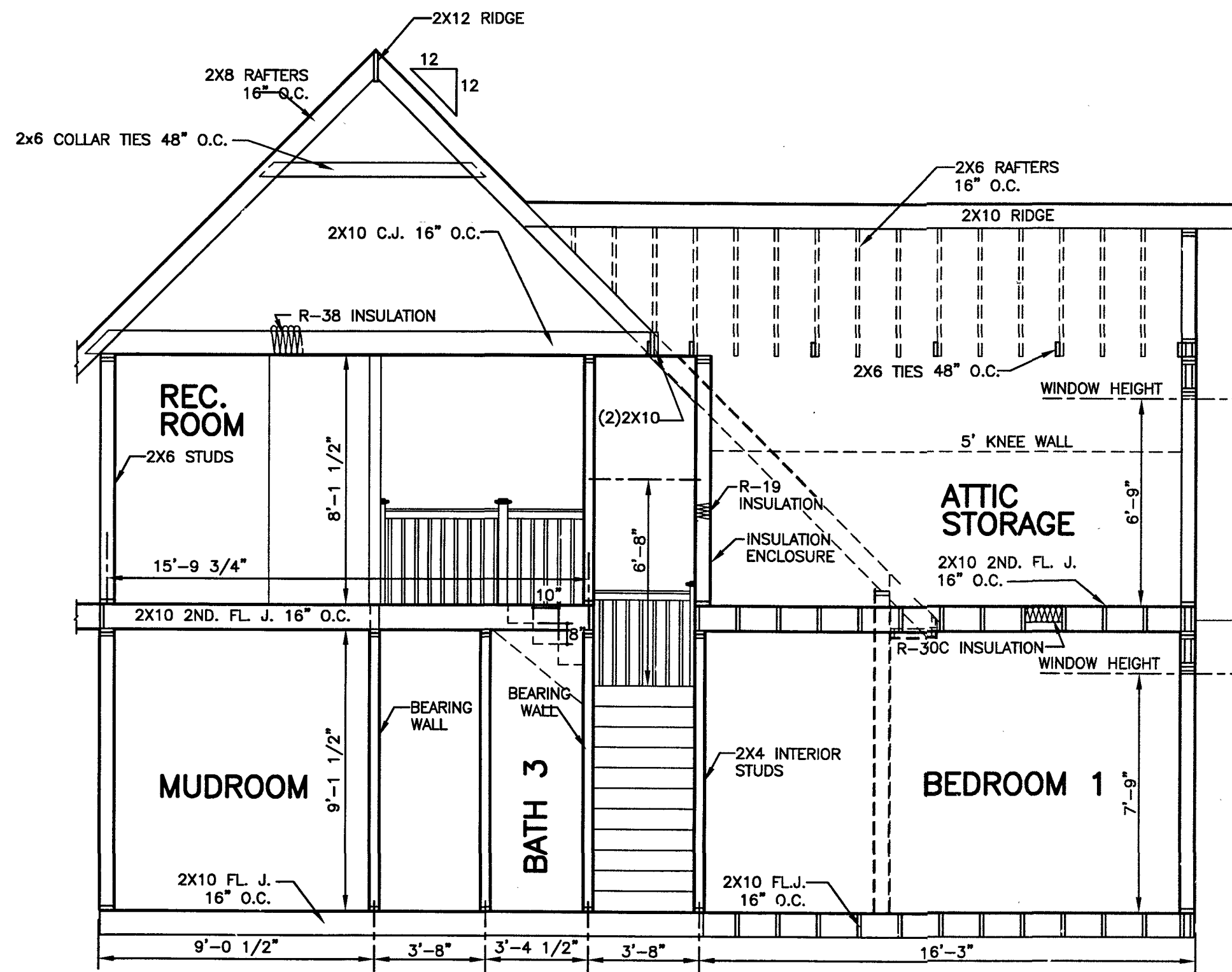
803 SCREENED PORCH SECTION
SCALE: 3/4" = 1'-0"



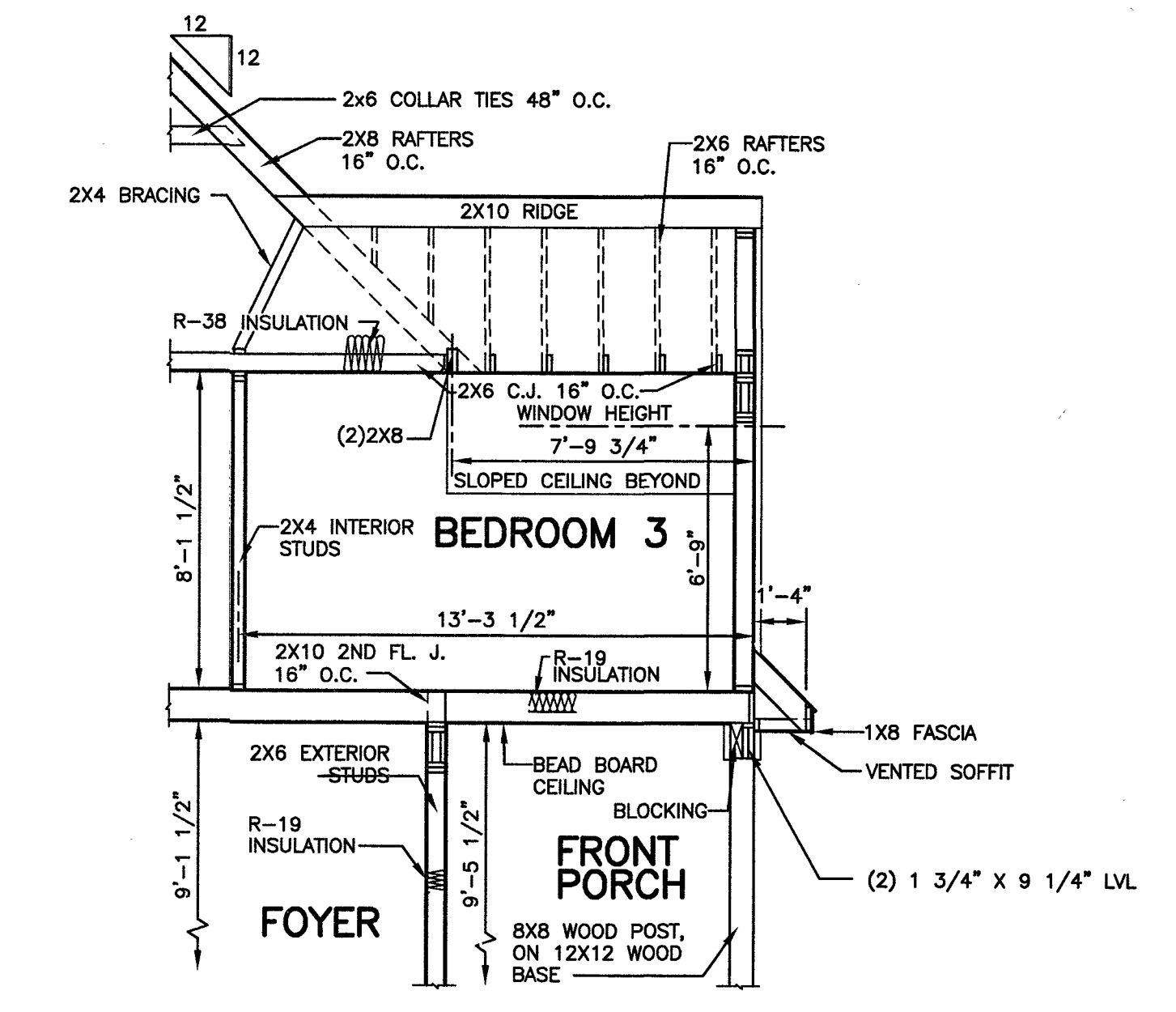
802 SECTION THRU GIRDER
SCALE: 3/4" = 1'-0"



804 SECTION THRU DINING ROOM
SCALE: 1/4" = 1'-0"



805 SECTION THRU RECREATION ROOM
SCALE: 1/4" = 1'-0"



806 SECTION THRU BEDROOM 3 DORMER
SCALE: 1/4" = 1'-0"

NOTE: INSTALL METAL ROOFING ACCORDING TO MANUFACTURER SPECIFICATIONS.

- ABBREVIATIONS**
- ACC. = ACCESS
 - BWL = BRACED WALL LINE
 - BWP. = BRACED WALL PANEL
 - C.O. = CASED OPENING
 - C.J. = CEILING JOIST
 - CLOS. = CLOSET
 - COL. = COLUMN
 - COMP. = COMPOSITION
 - CONC. = CONCRETE
 - CONT. = CONTINUOUS
 - C.M.A. = CARBON MONOXIDE ALARM
 - C.M.U. = CONCRETE MASONRY UNIT
 - D.H. = DOUBLE HUNG
 - DIA. = DIAMETER
 - D.J. = DOUBLE JOIST
 - DN. = DOWN
 - EXH. = EXHAUST
 - EXT. = EXTERIOR
 - FL.J. = FLOOR JOIST
 - FTG. = FOOTING
 - G.F.I. = GROUND FAULT INTERRUPTER
 - H.B. = HOSE BIB
 - LVL. = LAMINATED VENEER LUMBER
 - M.O. = MASONRY OPENING
 - MAS. = MASONRY
 - MAX. = MAXIMUM
 - M.C. = MEDICINE CABINET
 - MTL. = METAL
 - MIN. = MINIMUM
 - O.C. = ON CENTER
 - OSB = ORIENTED STRAND BOARD
 - PERF. = PERFORATED
 - REC. = RECESSED
 - REINF. = REINFORCED
 - SCR. = SCREENED
 - S.D. = SMOKE DETECTOR
 - SEC. = SECOND
 - SHWR. = SHOWER
 - S.Y.P. = SOUTHERN YELLOW PINE
 - S.P.F. = SPRUCE/PINE/FIR
 - SUSP. = SUSPENDED
 - TYP. = TYPICAL
 - U.O.N. = UNLESS OTHERWISE NOTED
 - WASH. = WASHER
 - W.H. = WATER HEATER
 - W.P. = WEATHER PROOF
 - W.W.M. = WELDED WIRE MESH
 - WDW. HT. = WINDOW HEIGHT
 - WD. = WOOD

- SYMBOLS**
- O- = HOSE BIB
 - s = SWITCH
 - s₃ = 3-WAY SWITCH
 - ◇ = LIGHT FIXTURE
 - ⊠ = EXHAUST FAN & LIGHT
 - ⊠ = SMOKE DETECTOR
 - △ = SHOWER HEAD
 - ◀ = TELEPHONE JACK
 - ⊙ = CONVENIENCE OUTLET
 - ⊙ = 220 VOLT OUTLET
 - ⊙ = GROUND FAULT INTERRUPTER
 - ⊗ = CEILING FAN
 - ⊙ = CARBON MONOXIDE ALARM

GENERAL NOTES AND SPECIFICATIONS

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ORIGINAL PURCHASE AGREEMENT

SEE ATTACHED CONSTRUCTION LICENSE FOR INVOICE NUMBER 12414.

BUILDING CODE INFORMATION

THIS PLAN HAS BEEN DRAWN TO CONFORM TO THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION (2015 INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS, CURRENT EDITION) WITH AMENDMENTS UNLESS OTHERWISE NOTED. (SEE ATTACHMENTS)

PRIOR TO CONSTRUCTION

THE CONTRACTOR SHALL REVIEW THE PLAN(S) FOR THIS PARTICULAR BUILDING PROJECT TO ENSURE COMPLIANCE WITH ALL NATIONAL, STATE AND LOCAL CODES, CLIMATIC GEOGRAPHIC DESIGN CRITERIA, AND ANY OTHER PROVISIONS THAT MAY BE REQUIRED BY VA/FHA/RD.

THE CONTRACTOR SHALL VERIFY PLAN DIMENSIONS, STRUCTURAL COMPONENTS, AND GENERAL SPECIFICATIONS CONTAINED IN THIS SET OF PLANS AND REPORT ANY DISCREPANCIES TO STANDARD HOMES PLAN SERVICE, INC. FOR JUSTIFICATION OR CORRECTION BEFORE PROCEEDING WITH WORK ON HOUSE.

THE CONTRACTOR SHALL DETERMINE ROUGH OPENING SIZES FOR ALL BUILT-IN EQUIPMENT AND/OR FACILITIES AND ADJUST PLAN DIMENSIONS AS REQUIRED.

DO NOT SCALE FROM BLUEPRINTS. REFER TO THE LABELED DIMENSIONS FOR ACTUAL MEASUREMENTS.

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO PROVIDE FOR THE SERVICES OF A PROFESSIONAL ENGINEER IF REQUIRED BY THE BUILDING CODE OFFICIAL.

SHIPPING DATE : _____

STAMP MUST APPEAR IN RED. PLANS FOR WHICH A BUILDING PERMIT HAS NOT BEEN OBTAINED ONE YEAR FROM THE ABOVE DATE IS SUBJECT TO REVIEW BY STANDARD HOMES PLAN SERVICE, INC. A FEE MAY BE CHARGED FOR THIS SERVICE.

EXCAVATION

EXCAVATE TO UNDISTURBED SOIL. BOTTOM OF FOOTING SHALL EXTEND BELOW LOCAL FROST LINE AND TO A MINIMUM DEPTH OF 12" BELOW ADJACENT GRADE. (PRESUMED 2000 PSF SOIL BEARING CAPACITY).

EXPANSIVE, COMPRESSIVE OR SHIFTING SOILS SHALL BE REMOVED TO A DEPTH AND WIDTH SUFFICIENT TO ASSUME A STABLE MOISTURE CONTENT IN EACH ACTIVE ZONE.

FOUNDATION

PROVIDE 1/2" DIA. STEEL ANCHOR BOLTS 6'-0" O.C., 1'-0" MAX. FROM CORNERS AND 1'-0" MAX. FROM ENDS OF EACH PLATE SECTION, WITH 7" MIN. EMBEDMENT.

PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS.

SLOPE GRADE AWAY FROM FOUNDATION WALLS 6" MINIMUM WITHIN THE FIRST 10 FEET.

PROVIDE PRESSURE TREATED LUMBER FOR SILLS, PLATES, BANDS AND ANY LUMBER IN CONTACT WITH MASONRY.

PROVIDE APPROVED AND BONDED CHEMICAL SOIL TREATMENT AGAINST FUNGUS, TERMITES AND OTHER HARMFUL INSECTS.

CRAWL SPACE

ALL GIRDER JOINTS AND ENDS OF GIRDERS SHALL REST ON SOLID BEARINGS. FILL CORES OF HOLLOW MASONRY TO FOOTING WITH CONCRETE. FILL TOP COURSE CORES OF EXTERIOR FOUNDATION WALL WITH CONCRETE.

FOOTINGS SHALL EXTEND 6" AND SHALL BE 12" THICK UNDER GIRDER PIERS.

CHIMNEY FOOTING SHALL EXTEND 12" MINIMUM BEYOND EACH SIDE AND SHALL BE AT LEAST 12" THICK.

BASEMENT

ALL GIRDER JOINTS SHALL BREAK ON COLUMN CENTER LINES (STAGGERED) AND ENDS OF GIRDERS SHALL REST ON SOLID MASONRY.

DOUBLE SILL AND USE LEDGER OVER ALL BASEMENT OPENINGS.

ALL BASE. SASH SHALL BE 18/20 2-LT. 3'-3 7/8" X 1'-11 15/16" 3420 HB.

FRAMING

ALL FLOOR JOISTS, CEILING JOISTS, RAFTERS, GIRDERS, HEADERS, SILLS AND BEAMS SHALL BE NO. 2 SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

ALL LOAD BEARING WALLS SHALL BE STUD GRADE SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

DESIGN SPECIFICATIONS FOR LAMINATED VENEER LUMBER (LVL)

BEAMS AND HEADERS : GRADE : 2950Fb-2.0E
BENDING Fb : 2950
MOE : 2.0 X 10⁶
SHEAR Fv : 290

SUPPORT FOR HEADERS:

HEADERS SHALL BE SUPPORTED ON EACH END WITH ONE OR MORE JACK STUDS OR WITH APPROVED FRAMING ANCHORS IN ACCORDANCE WITH BUILDING CODE (SEE PLAN). THE FULL-HEIGHT STUD ADJACENT TO EACH END OF THE HEADER SHALL BE END NAILED TO EACH END OF THE HEADER WITH FOUR-16D NAILS. SEE TABLE BELOW.

MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS:

HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES)	
	16	24
3 FEET OR LESS	1	1
4 FT.	2	1
8 FT.	3	2
12 FT.	5	3
16 FT.	6	4

CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA

ROOF LIVE LOAD (POUNDS PER SQUARE FOOT) : 20 PSF

ULTIMATE DESIGN WIND SPEED (MILES PER HOUR) : 120 MPH

NOMINAL DESIGN WIND SPEED : 93 MPH

EXPOSURE CATEGORY "B" UNLESS OTHERWISE NOTED

WINDOW DESIGN PRESSURE RATING : DP 25

COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET OR LESS:

PRESSURE ZONE	ULTIMATE DESIGN WIND SPEED (MPH)			
	115	120	130	140
ZONE 1	13.1, -14.0	14.2, -15.0	16.7, -18.0	19.4, -21.0
ZONE 2	13.1, -16.0	14.2, -18.0	16.7, -21.0	19.4, -24.0
ZONE 3	13.1, -16.0	14.2, -18.0	16.7, -21.0	19.4, -24.0
ZONE 4	14.3, -15.0	15.5, -16.0	18.2, -19.0	21.2, -22.0
ZONE 5	14.3, -19.0	15.5, -20.0	18.2, -24.0	21.2, -28.0

ASSUMED MEAN ROOF HEIGHT: 21'-2"

SEISMIC CONDITION BY ZONE : ZONES A AND B

SUBJECT TO DAMAGE FROM WEATHERING : MODERATE

CLIMATE ZONES (UNLESS OTHERWISE NOTED): ZONES 3 AND 4

MINIMUM VALUES FOR ENERGY COMPLIANCE:

CEILING P-38; EXTERIOR WALLS R-15; FLOORS R-19

WINDOW U-FACTOR ≤ 0.35; RECOMMENDED SHGC ≤ 0.30

MISCELLANEOUS

LOCATE ALL CONVENIENCE OUTLETS ABOVE KITCHEN BASE CABINETS 42" ABOVE FINISHED FLOOR.

EMERGENCY EGRESS REQUIREMENTS

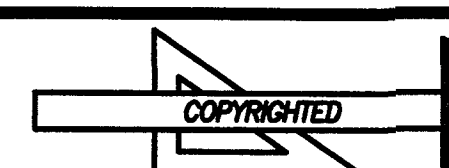
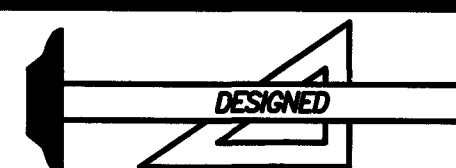
IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO VERIFY CONFORMITY WITH EGRESS REQUIREMENTS BASED ON SPECIFICATIONS PROVIDED BY WINDOW MANUFACTURER.

2018 NORTH CAROLINA RESIDENTIAL CODE

THE REQUIRED EGRESS WINDOW FROM EVERY SLEEPING ROOM SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE FINISHED FLOOR. THE NET CLEAR OPENING SHALL NOT BE LESS THAN 4.0 SQUARE FEET WHERE THE NET CLEAR OPENING HEIGHT SHALL BE AT LEAST 22 INCHES AND THE NET CLEAR OPENING WIDTH SHALL BE AT LEAST 20 INCHES. IN ADDITION THE MINIMUM TOTAL GLASS AREA SHALL NOT BE LESS THAN 5.0 SQUARE FEET IN THE CASE OF A GROUND STORY WINDOW AND NOT LESS THAN 5.7 SQUARE FEET IN THE CASE OF A SECOND STORY WINDOW.

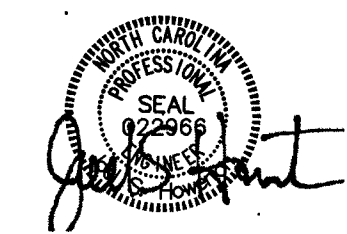
2015 INTERNATIONAL RESIDENTIAL CODE

THE REQUIRED EGRESS WINDOW FROM EVERY SLEEPING ROOM SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE FINISHED FLOOR. ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET EXCEPT GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET OPENING OF 5 SQUARE FEET. THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES

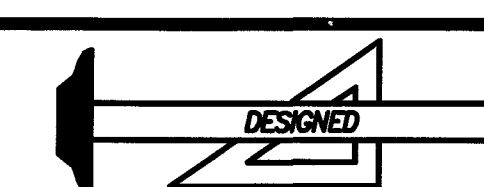
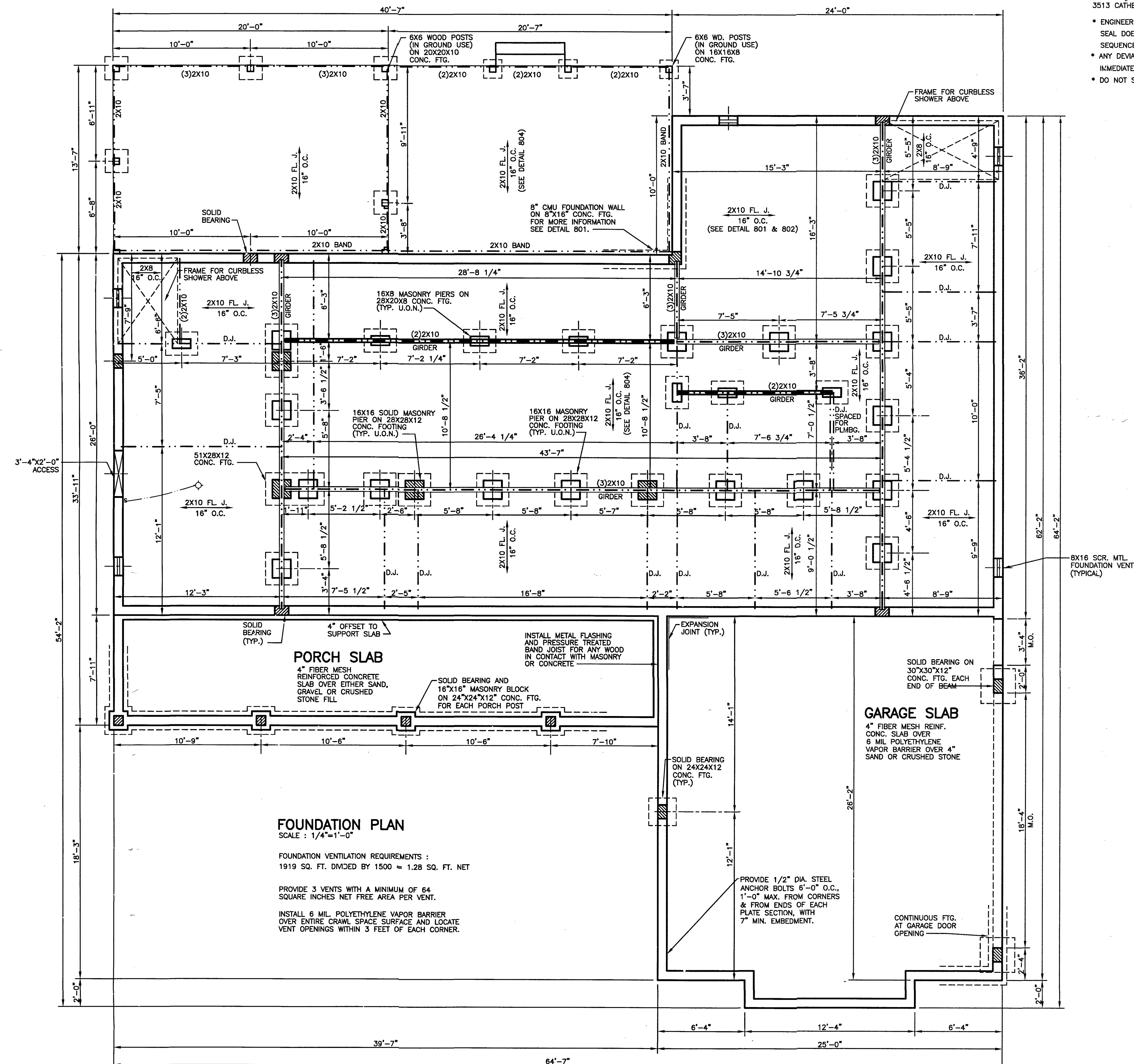


STRUCTURAL EVALUATION BY:

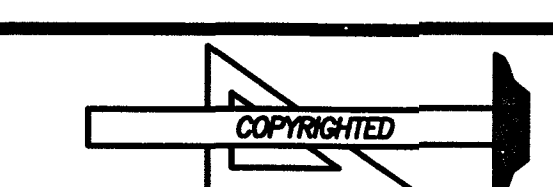
HOWERTON SERVICES, PLLC
 LICENSE # P-1716
 3513 CATHEDRAL BELL ROAD, RALEIGH, NC 27614



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- ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL VOID ENGINEER'S LIABILITY.
- DO NOT SCALE THESE DRAWINGS



Standard Homes Plan Service, Inc.
 7200 SUNSET LAKE ROAD FUQUAY-VARINA, NC 27526 (919)552-5677
SEE HOME DESIGN PRESENTS ONLINE AT WWW.STANDARHHOMES.COM



DESIGNED FOR	PLAN	NO.	MATL.	SHOWN	SHEET
SCOTT & KYLEY CALDWELL	CUSTOM	2552	SIDING		2 OF 8



ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444

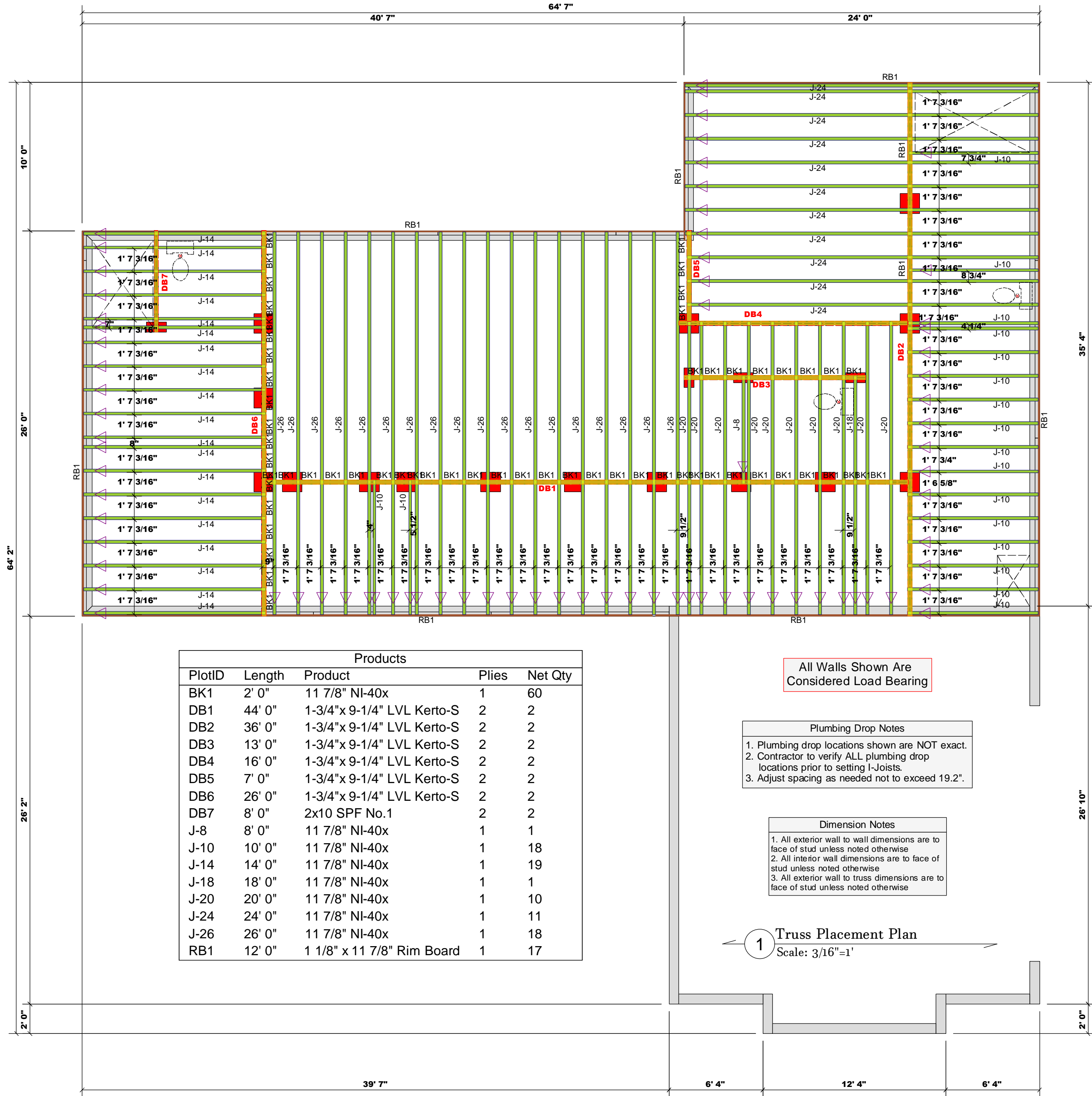
Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature Jonathan Landry
Jonathan Landry

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (2))
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (UP TO)	REQ'D STUDS FOR (0) TYP. HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (0) TYP. HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (0) TYP. HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				



Products				
PlotID	Length	Product	Plies	Net Qty
BK1	2' 0"	11 7/8" NI-40x	1	60
DB1	44' 0"	1-3/4" x 9-1/4" LVL Kerto-S	2	2
DB2	36' 0"	1-3/4" x 9-1/4" LVL Kerto-S	2	2
DB3	13' 0"	1-3/4" x 9-1/4" LVL Kerto-S	2	2
DB4	16' 0"	1-3/4" x 9-1/4" LVL Kerto-S	2	2
DB5	7' 0"	1-3/4" x 9-1/4" LVL Kerto-S	2	2
DB6	26' 0"	1-3/4" x 9-1/4" LVL Kerto-S	2	2
DB7	8' 0"	2x10 SPF No.1	2	2
J-8	8' 0"	11 7/8" NI-40x	1	1
J-10	10' 0"	11 7/8" NI-40x	1	18
J-14	14' 0"	11 7/8" NI-40x	1	19
J-18	18' 0"	11 7/8" NI-40x	1	1
J-20	20' 0"	11 7/8" NI-40x	1	10
J-24	24' 0"	11 7/8" NI-40x	1	11
J-26	26' 0"	11 7/8" NI-40x	1	18
RB1	12' 0"	1 1/8" x 11 7/8" Rim Board	1	17

All Walls Shown Are Considered Load Bearing

Plumbing Drop Notes

1. Plumbing drop locations shown are NOT exact.
2. Contractor to verify ALL plumbing drop locations prior to setting I-Joists.
3. Adjust spacing as needed not to exceed 19.2".

Dimension Notes

1. All exterior wall to wall dimensions are to face of stud unless noted otherwise
2. All interior wall dimensions are to face of stud unless noted otherwise
3. All exterior wall to truss dimensions are to face of stud unless noted otherwise

1 Truss Placement Plan
Scale: 3/16"=1'

▲ = Denotes Left End of Truss
(Reference Engineered Truss Drawing)

BUILDER	Patim	CITY / CO.	Harnett Co. / Harnett
JOB NAME	Caldwell Residence	ADDRESS	-
PLAN	SHP-	MODEL	I-Joist Over Crawl
SEAL DATE	N/A	DATE REV.	02/14/23
QUOTE #		DRAWN BY	Jonathan Landry
JOB #	J0223-0701	SALES REP.	Neil Baggett

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com



ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444

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Signature David Landry
David Landry

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (UP TO)	REQ. D. STUDS FOR (1) FT. HEADER	END REACTION (UP TO)	REQ. D. STUDS FOR (1) FT. HEADER	END REACTION (UP TO)	REQ. D. STUDS FOR (1) FT. HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.
-- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

All Walls Shown Are Considered Load Bearing

Plumbing Drop Notes
1. Plumbing drop locations shown are NOT exact.
2. Contractor to verify ALL plumbing drop locations prior to setting Floor Trusses.
3. Adjust spacing as needed not to exceed 24"oc.

Dimension Notes
1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise
2. All interior wall dimensions are to face of frame wall unless noted otherwise
3. All exterior wall to truss dimensions are to face of frame wall unless noted otherwise

Hatch Legend

- 4' 0-1/4" Wall
- 5' 3-3/4" Wall
- Second Floor Walls
- Vaulted Ceiling
- Drop Beam
- Flush Beam

Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
●	HUS410	USP	25	NA	16d/3-1/2"	16d/3-1/2"
○	MSH422	USP	1	Varies	10d/3"	10d/3"

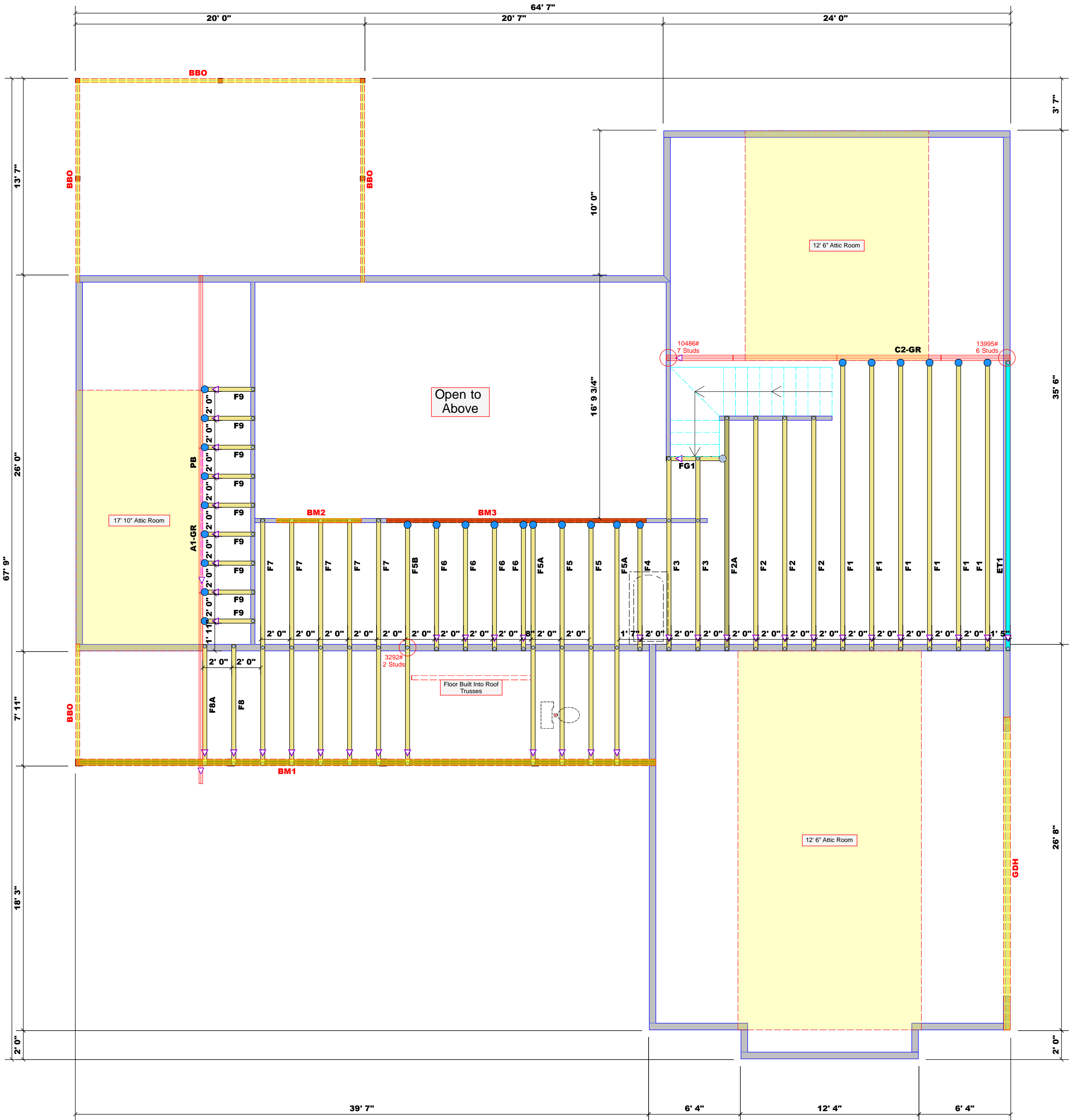
Products					
PlotID	Length	Product	Plies	Net Qty	
BM1	40' 0"	1-3/4"x 9-1/4" LVL Kerto-S	3	3	
BM2	6' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2	
BM3	18' 0"	1-3/4"x 16" LVL Kerto-S	2	2	
GDH	22' 0"	1-3/4"x 18" LVL Kerto-S	3	3	

1 Truss Placement Plan
Scale: 3/16"=1'

CITY / CO.	Harnett Co. / Harnett
ADDRESS	
MODEL	Floor
DATE REV.	01/11/23
DRAWN BY	Jonathan Landry
SALES REP.	Neil Baggett
BUILDER	Patim
JOB NAME	Caldwell Residence
PLAN	SHP-
SEAL DATE	N/A
QUOTE #	
JOB #	J1222-6013

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▲ = Indicates Left End of Truss
(Reference Engineered Truss Drawing)
Do NOT Erect Truss Backwards





ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444

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Signature David Landry
David Landry

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (UP TO)	REQ. D. STUDS FOR (1) 1/2" HEADER	END REACTION (UP TO)	REQ. D. STUDS FOR (1) 1/2" HEADER	END REACTION (UP TO)	REQ. D. STUDS FOR (1) 1/2" HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.
-- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

All Walls Shown Are Considered Load Bearing

Roof Area = 5012.54 sq. ft.
Ridge Line = 143.81 ft.
Hip Line = 2.38 ft.
Horiz. OH = 148.33 ft.
Raked OH = 223.21 ft.
Decking = 172 sheets

- Dimension Notes
- All exterior wall to wall dimensions are to face of sheathing unless noted otherwise
 - All interior wall dimensions are to face of frame wall unless noted otherwise
 - All exterior wall to truss dimensions are to face of frame wall unless noted otherwise

Hatch Legend

- 4' 0-1/4" Wall
- 5' 3-3/4" Wall
- Second Floor Walls
- Vaulted Ceiling
- Drop Beam
- Flush Beam

Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
■	HUS26	USP	12	NA	16d/3-1/2"	16d/3-1/2"
■	THD26-2	USP	3	NA	16d/3-1/2"	10d/3"

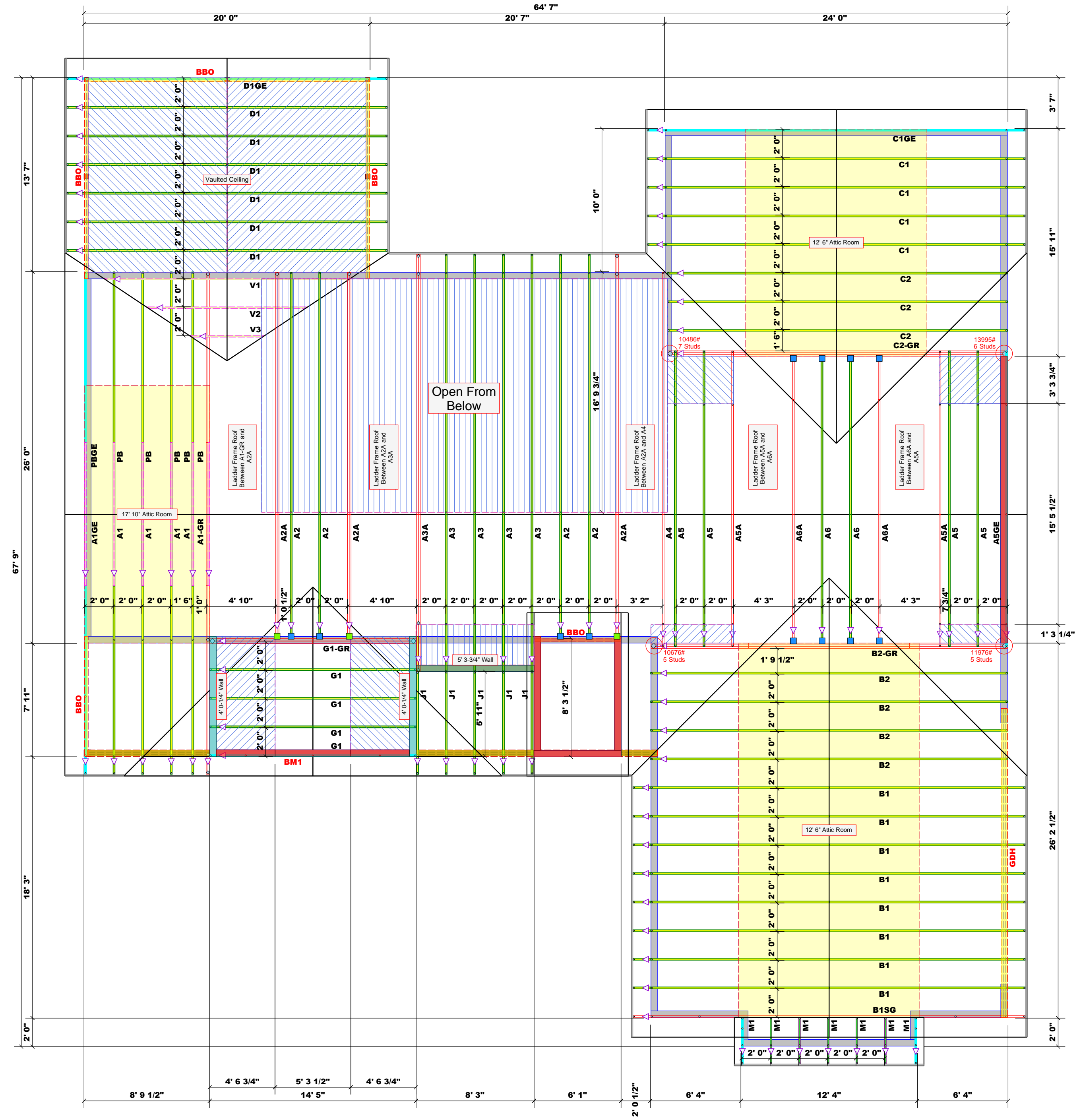
Products				
PlottID	Length	Product	Plies	Net Qty
BM1	40' 0"	1-3/4"x 9-1/4" LVL Kerto-S	3	3
BM2	6' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
BM3	18' 0"	1-3/4"x 16" LVL Kerto-S	2	2
GDH	22' 0"	1-3/4"x 18" LVL Kerto-S	3	3

1 Truss Placement Plan
Scale: 3/16"=1'

▲ = Indicates Left End of Truss
(Reference Engineered Truss Drawing)
Do NOT Erect Truss Backwards

CITY / CO.	Harnett Co. / Harnett
ADDRESS	
MODEL	Roof
DATE REV.	01/11/23
DRAWN BY	Jonathan Landry
SALES REP.	Neil Baggett
BUILDER	Patim
JOB NAME	Caldwell Residence
PLAN	SHP-
SEAL DATE	N/A
QUOTE #	
JOB #	J1222-6012

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STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC
LICENSE # P-1716
3513 CATHEDRAL BELL ROAD, RALEIGH, NC 27614

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All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

○ -- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

All Walls Shown Are Considered Load Bearing

- Plumbing Drop Notes**
- Plumbing drop locations shown are NOT exact.
 - Contractor to verify ALL plumbing drop locations prior to setting Floor Trusses.
 - Adjust spacing as needed not to exceed 24" oc.

- Dimension Notes**
- All exterior wall to wall dimensions are to face of sheathing unless noted otherwise
 - All interior wall dimensions are to face of frame wall unless noted otherwise
 - All exterior wall to truss dimensions are to face of frame wall unless noted otherwise

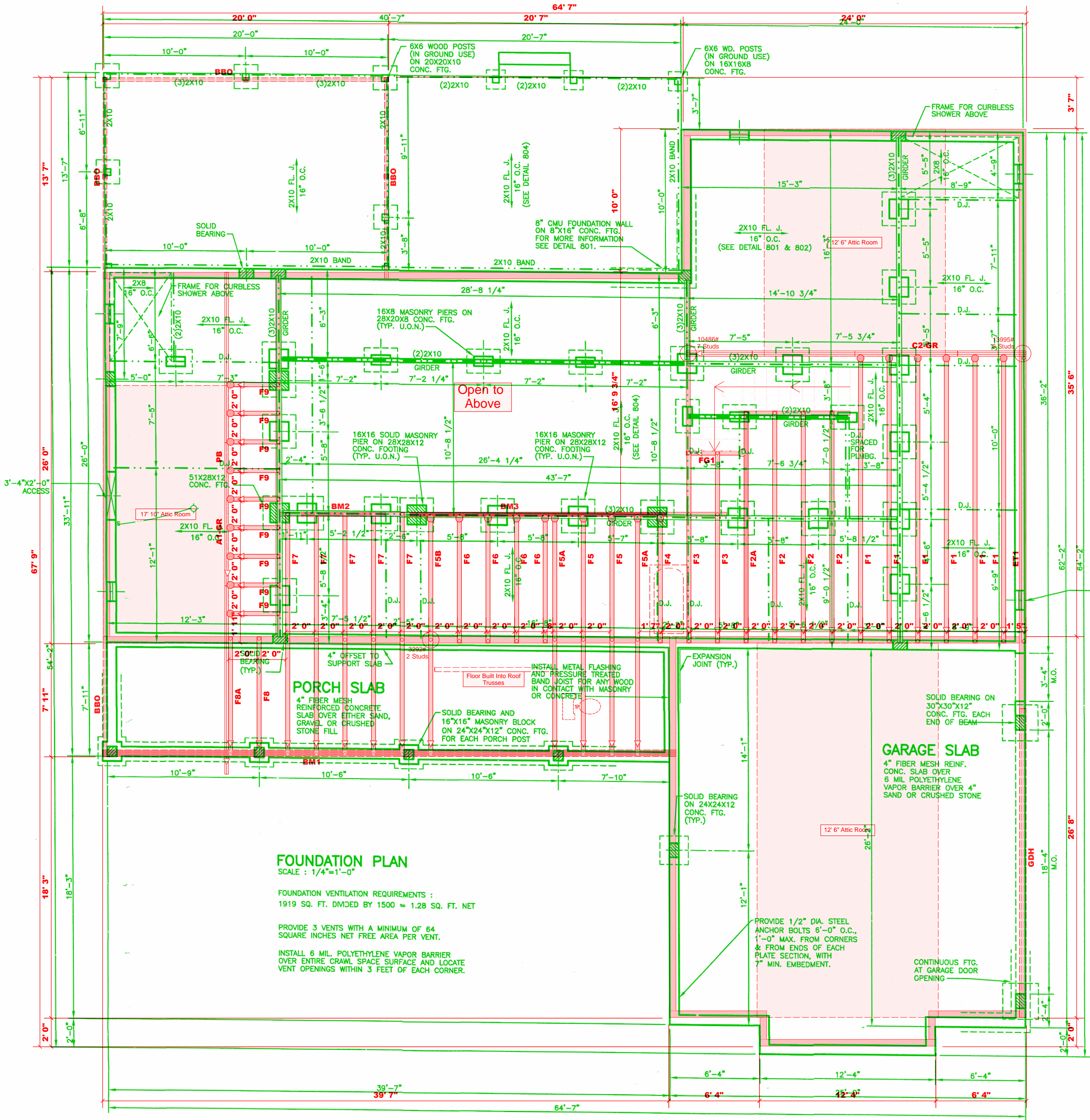
Hatch Legend

- 4' 0-1/4" Wall
- 5' 3-3/4" Wall
- Second Floor Walls
- Vaulted Ceiling
- Drop Beam
- Flush Beam

Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
○	HUS410	USP	25	NA	16d/3-1/2"	16d/3-1/2"
○	MSH422	USP	1	Varies	10d/3"	10d/3"

Products					
PlottID	Length	Product	Plies	Net Qty	
BM1	40' 0"	1-3/4"x 9-1/4" LVL Kerto-S	3	3	
BM2	6' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2	
BM3	18' 0"	1-3/4"x 16" LVL Kerto-S	2	2	
GDH	22' 0"	1-3/4"x 18" LVL Kerto-S	3	3	

1 Truss Placement Plan
Scale: 3/16"=1'



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

FOUNDATION VENTILATION REQUIREMENTS:
1919 SQ. FT. DIVIDED BY 1500 ≈ 1.28 SQ. FT. NET

PROVIDE 3 VENTS WITH A MINIMUM OF 64 SQUARE INCHES NET FREE AREA PER VENT.

INSTALL 6 MIL. POLYETHYLENE VAPOR BARRIER OVER ENTIRE CRAWL SPACE SURFACE AND LOCATE VENT OPENINGS WITHIN 3 FEET OF EACH CORNER.

Signature: *David Landry*
David Landry

LOAD CHART FOR JACK STUDS
(BASED ON TABLES R502.5(1) & (2))

NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (UP TO)	REQ. D. STUDS FOR (1) 1/2" HEADER	END REACTION (UP TO)	REQ. D. STUDS FOR (1) 1/2" HEADER	END REACTION (UP TO)	REQ. D. STUDS FOR (1) 1/2" HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

CITY / CO.	Harnett	Harnett Co. / Harnett
ADDRESS		
MODEL	Floor	
DATE REV.	01/11/23	
DRAWN BY	Jonathan Landry	
SALES REP.	Neil Baggett	

BUILDER	Patim
JOB NAME	Caldwell Residence
PLAN	SHP-
SEAL DATE	N/A
QUOTE #	
JOB #	J1222-6013

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 --- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

All Walls Shown Are Considered Load Bearing

Roof Area = 5012.54 sq. ft.
 Ridge Line = 143.81 ft.
 Hip Line Location is NOT exact.
 Horiz. OH = 148.33 ft.
 Raked OH = 228.29 ft.
 Decking as needed to exceed 24" oc.

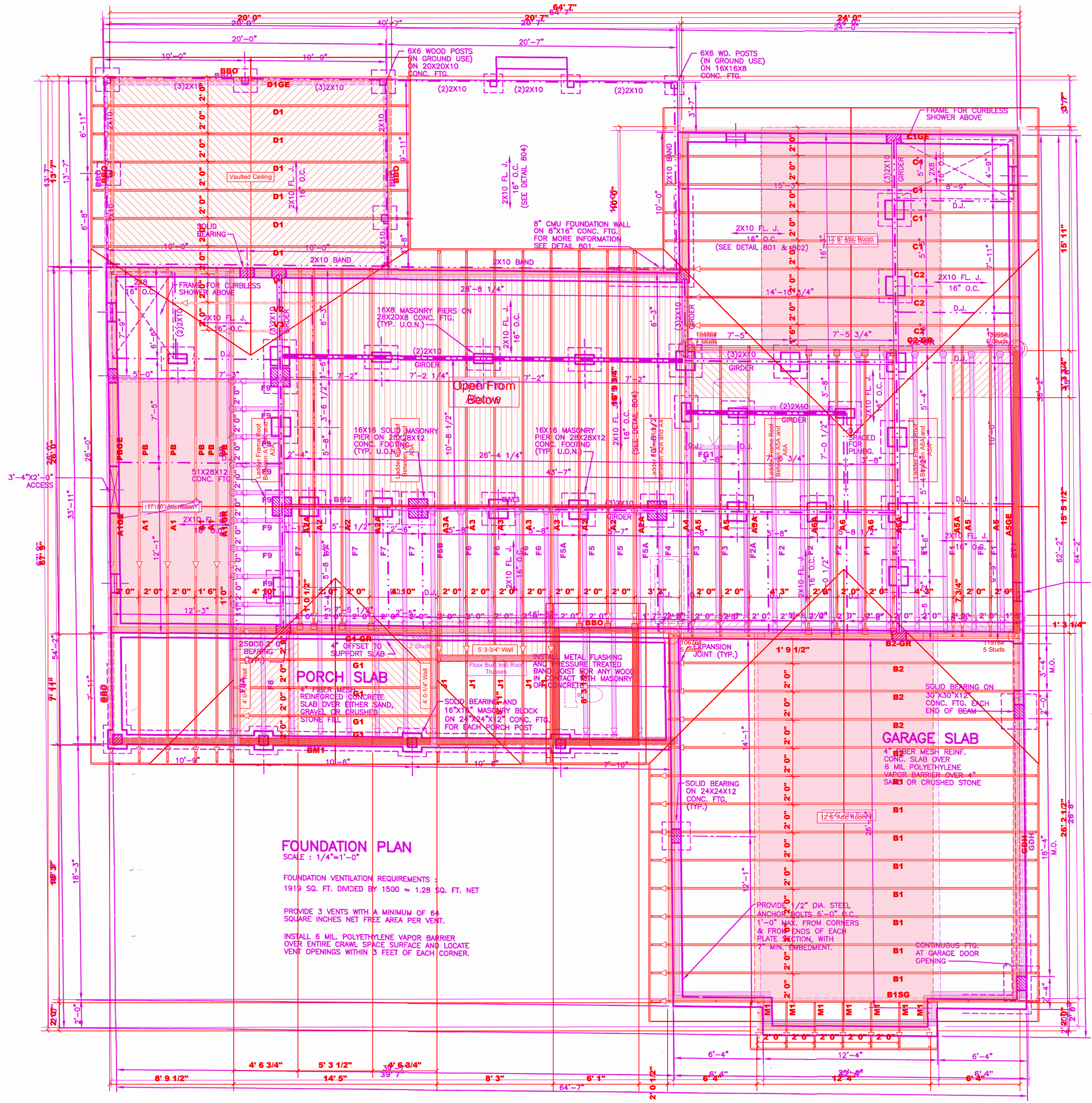
Dimension Notes
 1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise.
 2. All interior wall dimensions are to face of frame wall unless noted otherwise.
 3. All exterior wall to truss dimensions are to face of frame wall unless noted otherwise.

Hatch Legend
 41031141 Wall
 55333744 Wall
 Second Floor Walls
 Vaulted Ceiling
 Drop Beam
 Flush Beam

Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
HUS2610	USP	F	125	N/A	16d/3 1/2"	16d/3 1/2"
THS2622	USP	F	3	N/A	16d/3 1/2"	10d/3"

Products					
PROD	Length	Product	Piles	Net Qty	Notes
BM1	40'0"0"	1-3/4" X 9-1/4" LVL Kerit S	3	3	
BM2	6'0"0"	1-3/4" X 9-1/4" LVL Kerit S	2	2	
BM3	18'0"0"	1-3/4" X 16" LVL Kerit S	2	2	
GDH	22'0"0"	1-3/4" X 18" LVL Kerit S	3	3	

11 Truss Placement Plan
 Scale: 3/16" = 1'



FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"
 FOUNDATION VENTILATION REQUIREMENTS:
 1919 SQ. FT. DMCD BY 1500 = 1.28 SQ. FT. NET
 PROVIDE 3 VENTS WITH A MINIMUM OF 64 SQUARE INCHES NET FREE AREA PER VENT.
 INSTALL 6 MIL. POLYETHYLENE VAPOR BARRIER OVER ENTIRE CRAWL SPACE SURFACE AND LOCATE VENT OPENINGS WITHIN 3 FEET OF EACH CORNER.

Signature: David Landry
 David Landry

LOAD CHART FOR JACK STUDS
 (BASED ON TABLES A502.5(1) & (2))
 NUMBER OF JACK STUDS REQUIRED @ EA END OF OF HEADER/GIRDER

END REACTION (REQ. D. STDS FOR 24\"/>					
17000	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

CITY / CO: Harnett Co. / Harnett
 ADDRESS: Harnett Co. / Harnett
 MODEL: Roof Floor
 DATE REV: 01/11/23
 DATE REV: 01/11/23
 DRAWN BY: Jonathan Landry
 SALES REP: Neil Baggett

BUILDER: Patim
 JOB NAME: Caldwell Residence
 PLAN: SLP
 SEAL DATE: N/A
 SEAL DATE: N/A
 QUOTE #: J1222-6012
 JOB #: J1222-6013

This is a Truss Placement drawing. It is not a Truss Placement Diagram. These trusses are designed as individual building components to be incorporated into the building design. The design of the building is the responsibility of the building designer. The design of the trusses, walls, and support structure including headers, beams, walling and columns is the responsibility of the building designer. For general guidance regarding bracing the trusses, see the bracing details provided with the truss delivery package or online at sbcindustry.com