

PLANS DESIGNED TO THE 2018 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE

APPROVED
Limited building only review
Permit holder responsible for
full compliance with the code
NOTICE TO CONTRACTOR
All construction must comply with current NC Building Code
and is subject to field inspection and verification.



03/26/2020

MEAN ROOF HEIGHT: 19'-4" HEIGHT TO RIDGE: 26'-6"

CLIMATE ZONE	ZONE 3A	ZONE 4A	ZONE 5A
FENESTRATION U-FACTOR	0.35	0.35	0.35
SKYLIGHT U-FACTOR	0.55	0.55	0.55
GLAZED FENESTRATION SHGC	0.30	0.30	0.30
CEILING R-VALUE	38 or 30ci	38 or 30ci	38 or 30ci
WALL R-VALUE	15	15	19
FLOOR R-VALUE	19	19	30
** BASEMENT WALL R-VALUE	5/13	10/15	10/15
** SLAB R-VALUE	0	10	10
* CRAWL SPACE WALL R-VALUE	5/13	10/15	10/19

* 10/13" MEANS R-10 SHEATHING INSULATION OR R-13 CAVITY INSULATION
** INSULATION DEPTH WITH MONOLITHIC SLAB 24" OR FROM INSPECTION GAP TO BOTTOM OF FOOTING; INSULATION DEPTH WITH STEM WALL SLAB 24" OR TO BOTTOM OF FOUNDATION WALL
DESIGNED FOR WIND SPEED OF 120 MPH, 3 SECOND GUST (93 FASTEST MILE) EXPOSURE 'B'

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS						
MEAN ROOF	UP TO 30'	30'-1" TO 35'	35'-1" TO 40'	40'-1" TO 45'		
ZONE 1	14.2	-15.0	14.9	-15.8	15.5	-16.4
ZONE 2	14.2	-18.0	14.9	-18.9	15.5	-19.6
ZONE 3	14.2	-18.0	14.9	-18.9	15.5	-19.6
ZONE 4	15.5	-16.0	16.3	-16.8	16.9	-17.4
ZONE 5	15.5	-20.0	16.3	-21.0	16.9	-21.8

GUARD RAIL NOTES

SECTION R312

R312.1 Where required. Guards shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side. Insect screening shall not be considered as a guard.

R312.2 Height. Required guards at open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches (914 mm) high measured vertically above the adjacent walking surface, adjacent fixed seating or the line connecting the leading edges of the treads.

Exceptions:

- Guards on the open sides of stairs shall have a height not less than 34 inches (864 mm) measured vertically from a line connecting the leading edges of the treads.
- Where the top of the guard also serves as a handrail on the open sides of stairs, the top of the guard shall not be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the leading edges of the treads.

R312.3 Opening limitations. Required guards shall not have openings from the walking surface to the required guard height which allow passage of a sphere 4 inches (102 mm) in diameter.

Exceptions:

- The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a guard, shall not allow passage of a sphere 6 inches (153 mm) in diameter.
- Guards on the open sides of stairs shall not have openings which allow passage of a sphere 4 3/8 inches (111 mm) in diameter.

ROOF VENTILATION

SECTION R806

R806.1 Ventilation required. Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than 1/4 inch (6.4 mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, or similar material with openings having a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.7.

R806.2 Minimum area. The total net free ventilating area shall not be less than 1/150 of the area of the space ventilated except that reduction of the total area to 1/300 is permitted provided that at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above the eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling.

Exceptions:

- Enclosed attic/rafter spaces requiring less than 1 square foot (0.0929 m²) of ventilation may be vented with continuous soffit ventilation only.
- Enclosed attic/rafter spaces over unconditioned space may be vented with continuous soffit vent only.

SQUARE FOOTAGE OF ROOF TO BE VENTED = 2,360 SQ.FT.

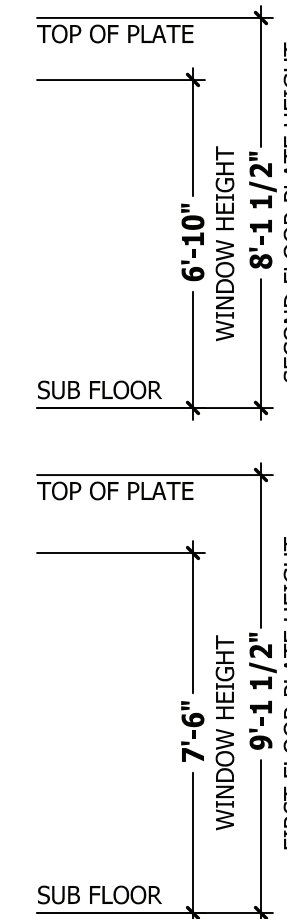
NET FREE CROSS VENTILATION NEEDED:

WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 15.73 SQ.FT.

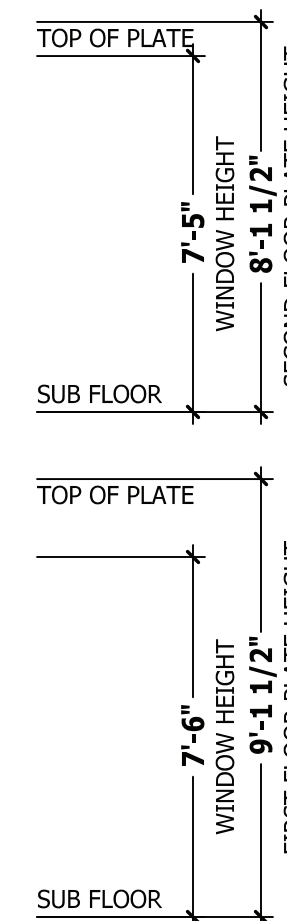
WITH 50% TO 80% OF VENTING 3'-0" ABOVE EAVE; OR WITH CLASS I OR II VAPOR RETARDER ON WARM-IN-WINTER SIDE OF CEILING = 7.87 SQ.FT.



RAIL AS NEEDED
PER CODE



RAIL AS NEEDED
PER CODE



AIR LEAKAGE

Section N1102.4

N1102.4.1 Building thermal envelope. The building thermal envelope shall be durably sealed with an air barrier system to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. For all homes, where present, the following shall be caulked, gasketed, weather stripped or otherwise sealed with an air barrier material or solid material consistent with Appendix E-2.4 of this code:

- Blocking and sealing floor/ceiling systems and under knee walls open to unconditioned or exterior space.
- Capping and sealing shafts or chases, including flue shafts.
- Capping and sealing soffit or dropped ceiling areas.

PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION BEGINS.
HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND PROCEDURES.
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THESE DRAWING ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

FRONT & REAR ELEVATIONS

Nelson

SQUARE FOOTAGE

HEATED

FIRST FLOOR	1575 SQ.FT.
SECOND FLOOR	739 SQ.FT.
TOTAL	2314 SQ.FT.

UNHEATED

FRONT PORCH	785 SQ.FT.
REAR PORCH	107 SQ.FT.
TOTAL	892 SQ.FT.

UNHEATED OPTIONAL

DECK	222 SQ.FT.
TOTAL	222 SQ.FT.



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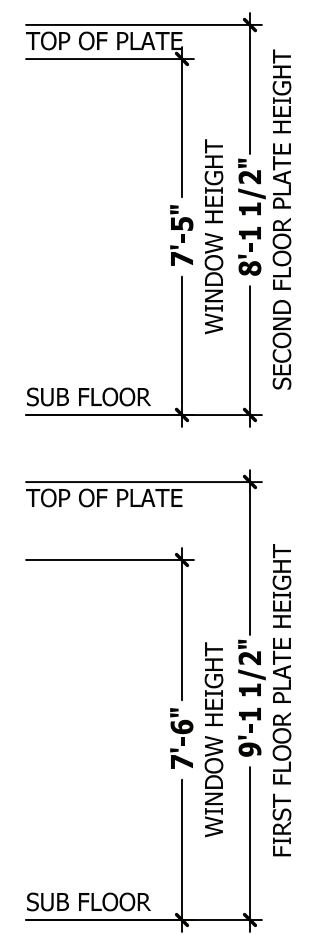
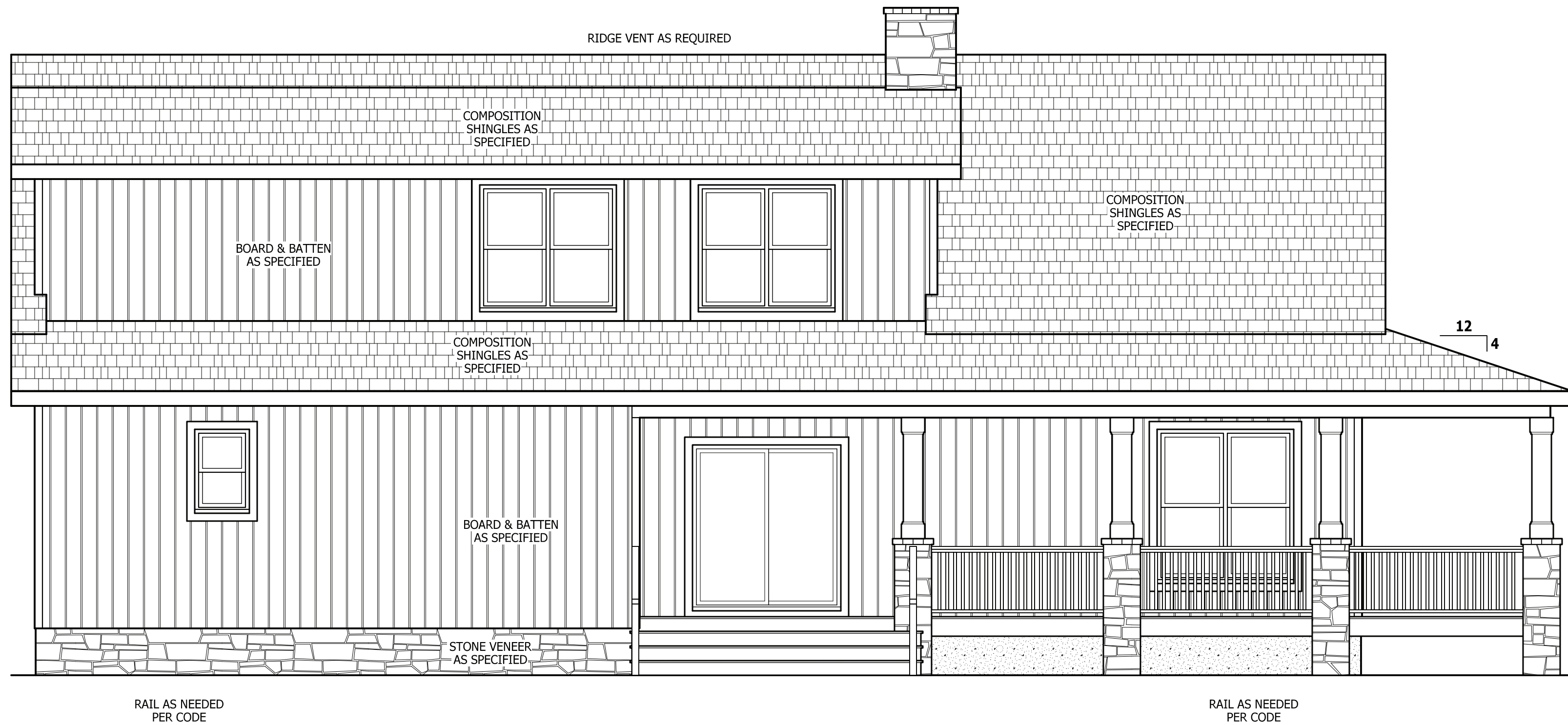
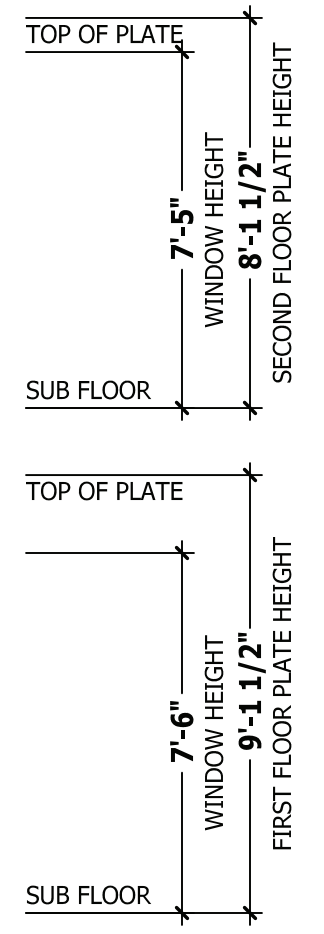
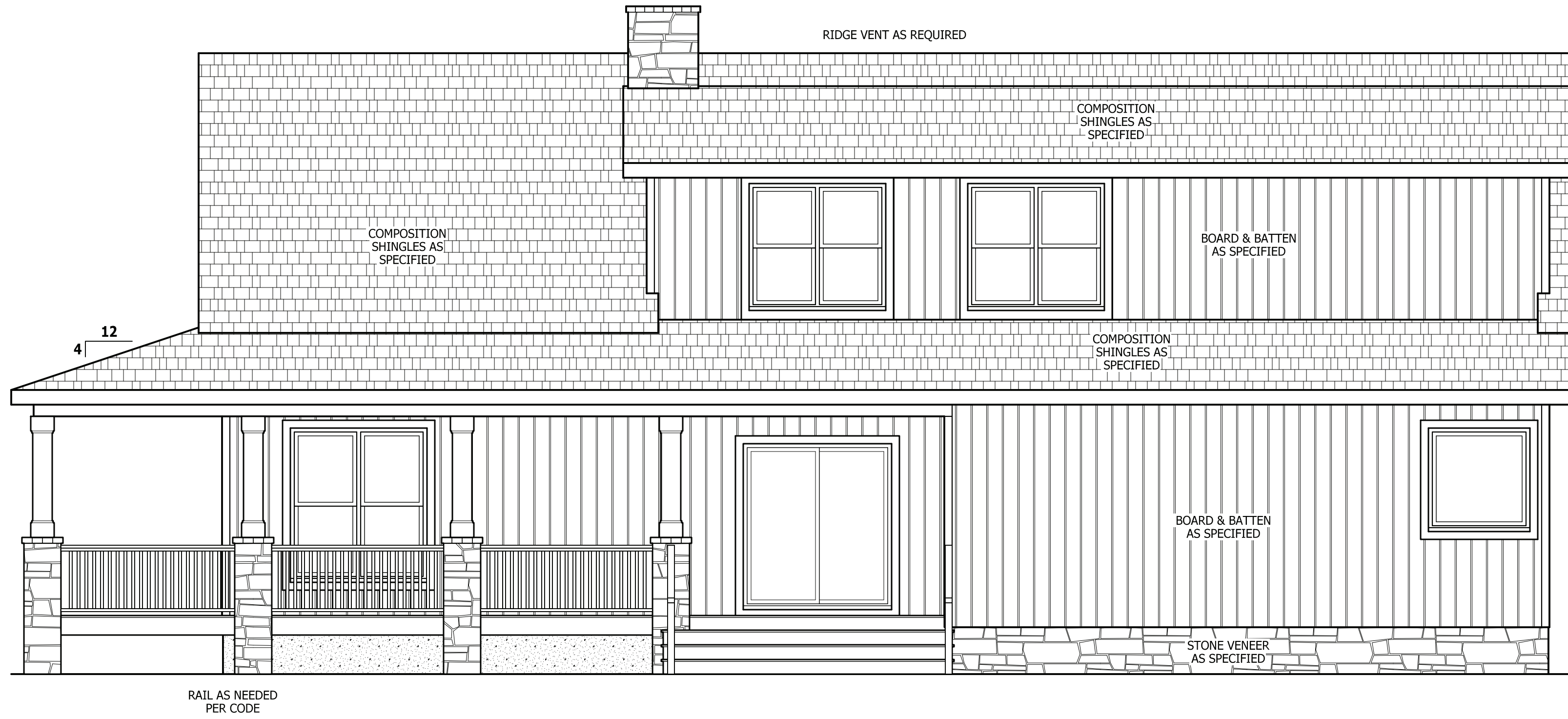
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LEFT & RIGHT ELEVATIONS

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SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	1575 SQ.FT.
SECOND FLOOR	739 SQ.FT.
TOTAL	2314 SQ.FT.
UNHEATED	
FRONT PORCH	785 SQ.FT.
REAR PORCH	107 SQ.FT.
TOTAL	892 SQ.FT.
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DECK	222 SQ.FT.
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FOUNDATION PLAN
 Nelson

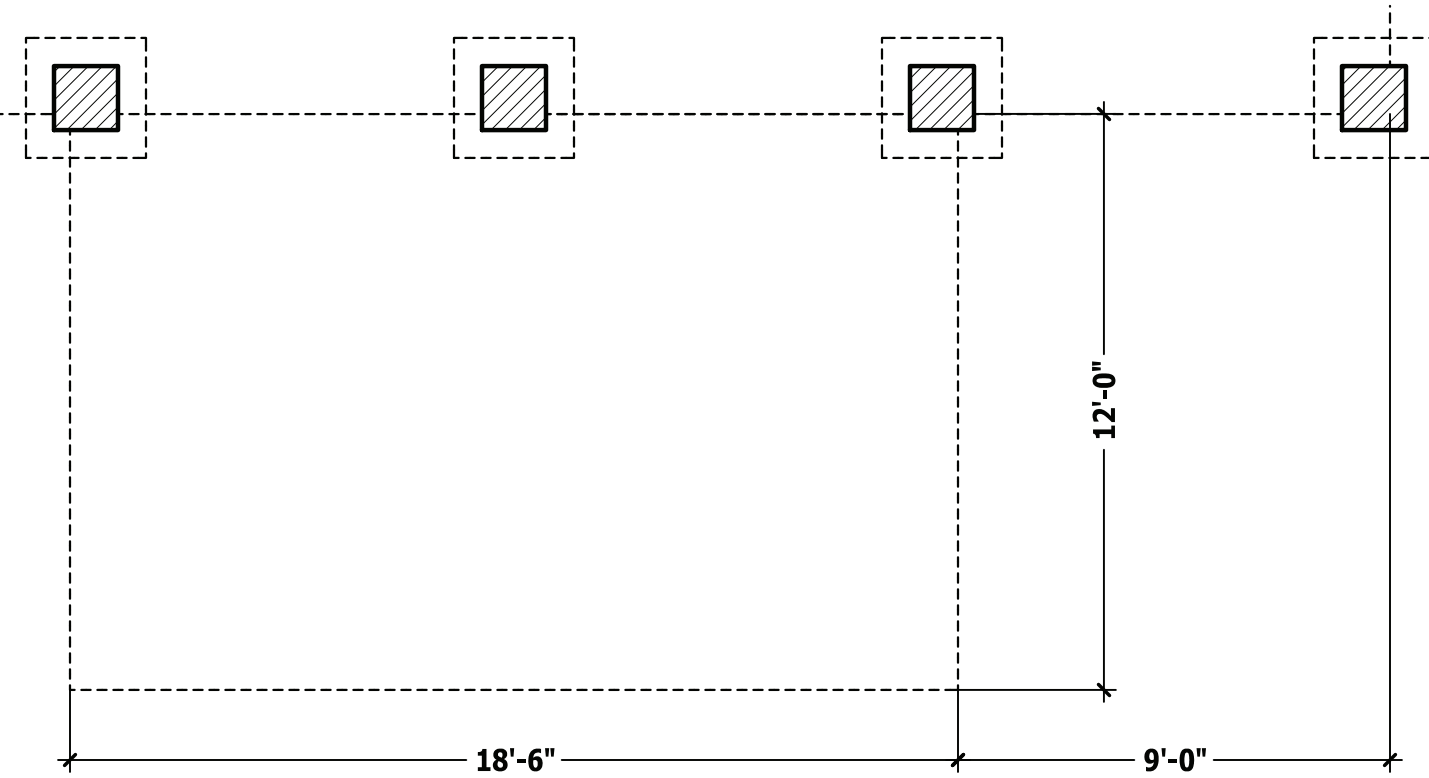
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 SIGNATURE
 HOME BUILDERS, INC.

HAYNES
 HOME PLANS, INC.
 P.O. BOX 702, WAKE FOREST, NC 27588 919-485-6180 FAX 1-866-491-0396

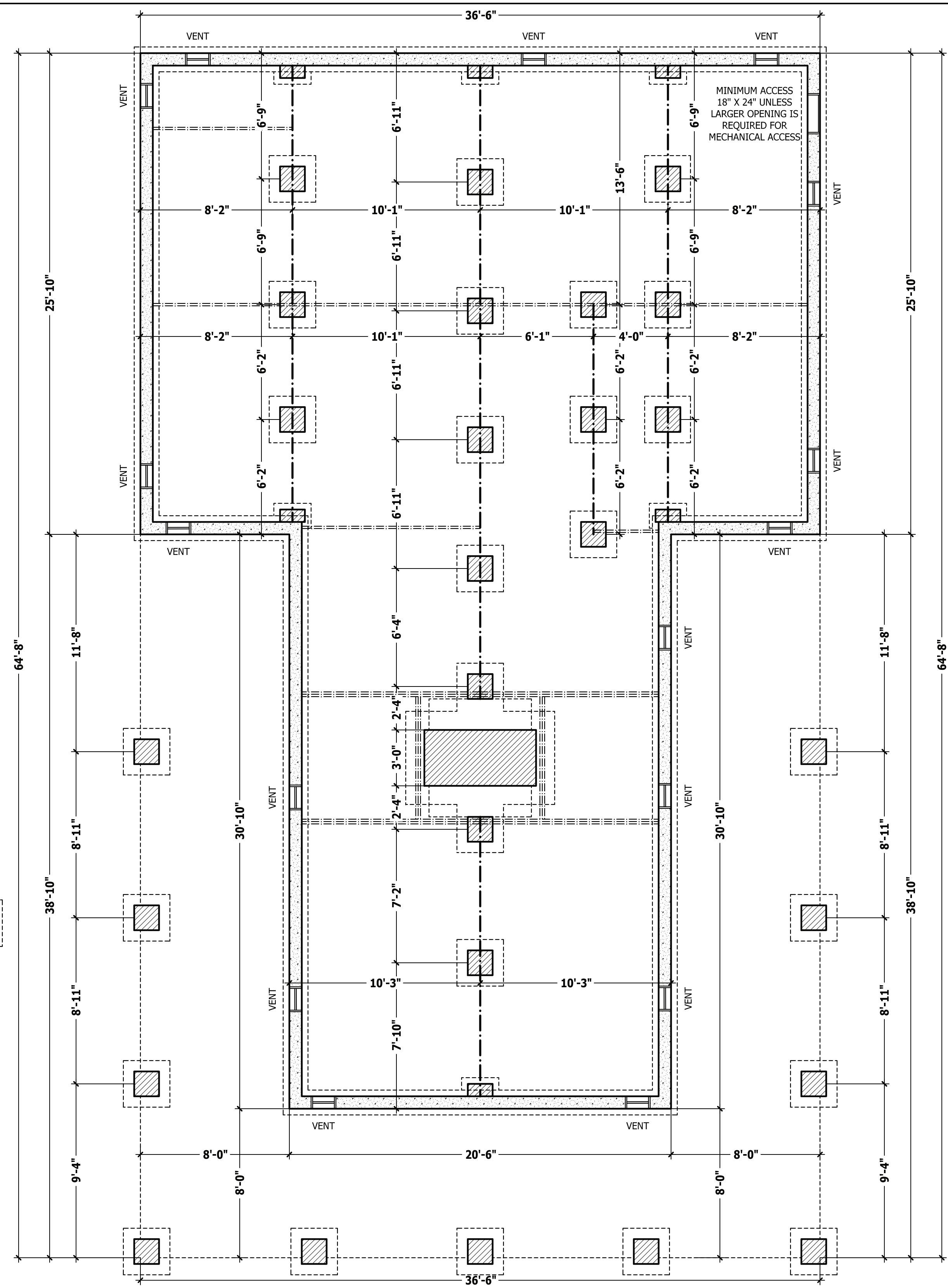
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FRONT PORCH	785 SQ.FT.
REAR PORCH	107 SQ.FT.
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UNHEATED OPTIONAL	
DECK	222 SQ.FT.
TOTAL	222 SQ.FT.

FOUNDATION STRUCTURAL

115 to 130 mph wind zone (1 1/2 to 2 1/2 story)
CONTINUOUS FOOTING: 16" wide and 8" thick minimum, 20" wide minimum at brick veneer. Must extend 2" to either side of supported wall.
GIRDERS: (3) 2 X 10 girder unless noted otherwise.
PIERS: 16" X 16" piers with 8" solid masonry cap on 30" X 30" X 10" concrete footing with maximum pier height of 64" with hollow masonry and 160" with solid masonry.
POINT LOADS: ■ designates significant point load and should have solid blocking to pier, girder or foundation wall.
115 and 120 MPH ANCHORS BOLTS: 1/2" diameter anchor bolts embedded minimum 7", maximum 6'-0" on center, within 12" of plate ends, and minimum two anchor bolts per plate.
130 MPH ANCHORS BOLTS: 1/2" diameter anchor bolts embedded minimum 15", maximum 4'-0" on center, within 12" of plate ends, and minimum two anchor bolts per plate.
CONCRETE: Concrete shall have a minimum 28 day strength of 3000 psi and a maximum 5" slump. Air entrained per table 402.2. All concrete shall be in accordance with ACI standards. All samples for pumping shall be taken from the exit end of the pump.
SOILS: Allowable soil bearing pressure assumed to be 2000 PSF. The contractor must contact a geotechnical engineer and a structural engineer if unsatisfactory subsurface conditions are encountered. The surface area adjacent to the foundation wall shall be provided with adequate drainage, and shall be graded so as to drain surface water away from foundation walls.



CRAWL SPACE PLAN
 SCALE 1/4" = 1'-0"



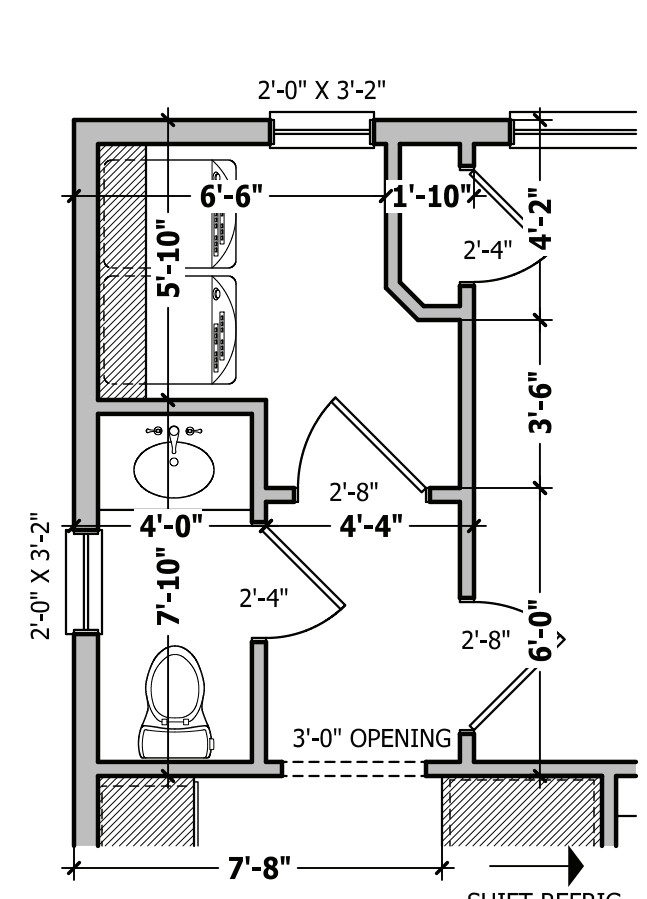
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FIRST FLOOR PLAN
 Nelson

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 HOME PLANS, INC.
 P.O. BOX 702, WAKE FOREST, NC 27788 919-435-6180 FAX 1-866-491-0396

SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	1575 SQ.FT.
SECOND FLOOR	739 SQ.FT.
TOTAL	2314 SQ.FT.
UNHEATED	
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UNHEATED OPTIONAL	
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OPTIONAL BATH/ LAUNDRY
 MAKES MASTER ENTRY MORE PRIVATE, HIDES TOILET, AND GAINS BIGGER LAUNDRY

WALL THICKNESSES
 Exterior walls are drawn as 6" or as noted 2 X 6 are drawn as 6" to include 1/2" sheathing or gypsum. Subtract 1/2" for stud face.
 Interior walls are drawn as 3 1/2" or as noted 2 X 6 are drawn as 5 1/2", and do not include gypsum.

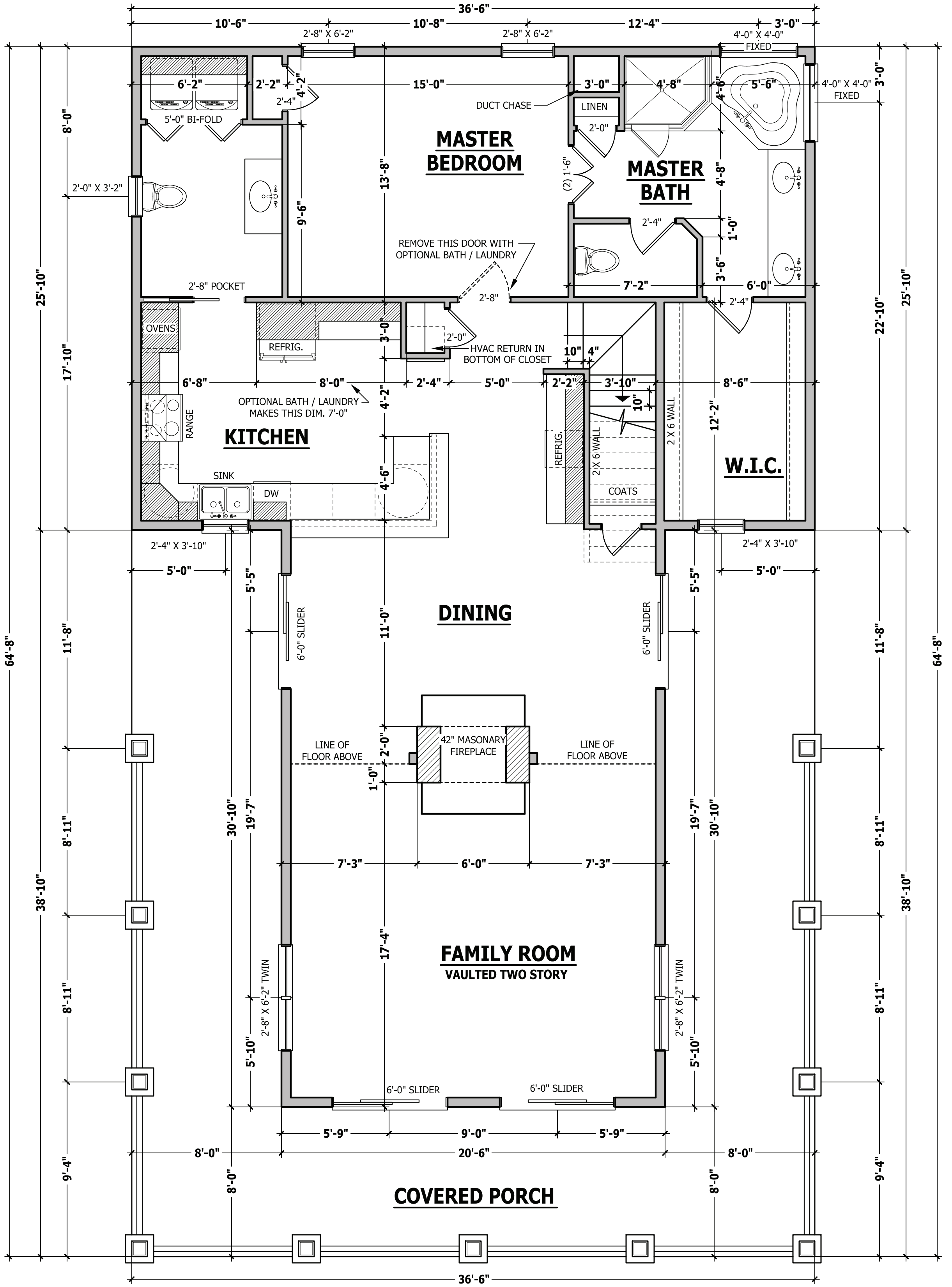
SQUARE FOOTAGE

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SECOND FLOOR	739 SQ.FT.
TOTAL	2314 SQ.FT.
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REAR PORCH	107 SQ.FT.
TOTAL	892 SQ.FT.
UNHEATED OPTIONAL	
DECK	222 SQ.FT.
TOTAL	222 SQ.FT.

COVERED PORCH

OPTIONAL LOWER DECK

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



COVERED PORCH

STRUCTURAL NOTES

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JOB SITE PRACTICES AND SAFETY: Haynes Home Plans, Inc. assumes no liability for contractor practices and procedures or safety program. Haynes Home Plans, Inc. takes no responsibility for the contractor's failure to carry out the construction work in accordance with the contract documents. All members shall be framed, anchored, and braced in accordance with good construction practice and the building code.

DESIGN LOADS	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (LL)
Attics without storage	10		L/240
Attics with limited storage	20	10	L/360
Attics with fixed stairs	40	10	L/360
Balconies and decks	40	10	L/360
Fire escapes	40	10	L/360
Guardrails and handrails	200	--	--
Guardrail in-fill components	50	--	--
Passenger vehicle garages	50	10	L/360
Rooms other than sleeping	40	10	L/360
Sleeping rooms	30	10	L/360
Stairs	40	--	L/360
Snow	20	--	--

FRAMING LUMBER: All non treated framing lumber shall be SPF #2 (Fb = 875 PSI) or SYP #2 (Fb = 750 PSI) and all treated lumber shall be SYP #2 (Fb = 750 PSI) unless noted otherwise.

ENGINEERED WOOD BEAMS:

Laminated veneer lumber (LVL) = Fb=2600 PSI, Fv=285 PSI, E=1.9x10⁶ PSI
Parallel strand lumber (PSL) = Fb=2900 PSI, Fv=290 PSI, E=2.0x10⁶ PSI
Laminated strand lumber (LSL) Fb=2250 PSI, Fv=400 PSI, E=1.55x10⁶ PSI
Install all connections per manufacturers instructions.

TRUSS AND I-JOIST MEMBERS: All roof truss and I-joist layouts shall be prepared in accordance with this document. Trusses and I-joists shall be installed according to the manufacture's specifications. Any change in truss or I-joist layout shall be coordinated with Haynes Homes Plans, Inc.

LINTELS: Brick lintels shall be 3 1/2" x 3 1/2" x 1/4" steel angle for up to 6'-0" span, 6" x 4" x 5/16" steel angle with 6" leg vertical for spans up to 9'-0" unless noted otherwise. 3 1/2" x 3 1/2" x 1/4" steel angle with 1/2" bolts at 2'-0" on center for spans up to 18'-0" unless noted otherwise.

FLOOR SHEATHING: OSB or CDX floor sheathing minimum 1/2" thick for 16" on center joist spacing, minimum 5/8" thick for 19.2" on center joist spacing, and minimum 3/4" thick for 24" on center joist spacing.

ROOF SHEATHING: OSB or CDX roof sheathing minimum 3/8" thick for 16" on center rafters and 7/16" for 24" on center rafters.

CONCRETE AND SOILS: See foundation notes.

ROOF TRUSS REQUIREMENTS

TRUSS DESIGN. Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plan, Inc. attention before construction begins.

ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics.

BEARING. All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.

EXTERIOR HEADERS

- (2) 2 X 6 WITH 1 JACK STUD EACH END

UNLESS NOTED OTHERWISE

- KING STUDS EACH END PER TABLE BELOW

HEADER SPAN	< 3'	3'-4'	4'-8'	8'-12'	12'-16'
KING STUD(S)	1	2	3	5	6

INTERIOR HEADERS

- LOAD BEARING HEADERS (2) 2 X 6 WITH 1 JACK STUD AND 1 KING STUD EACH END

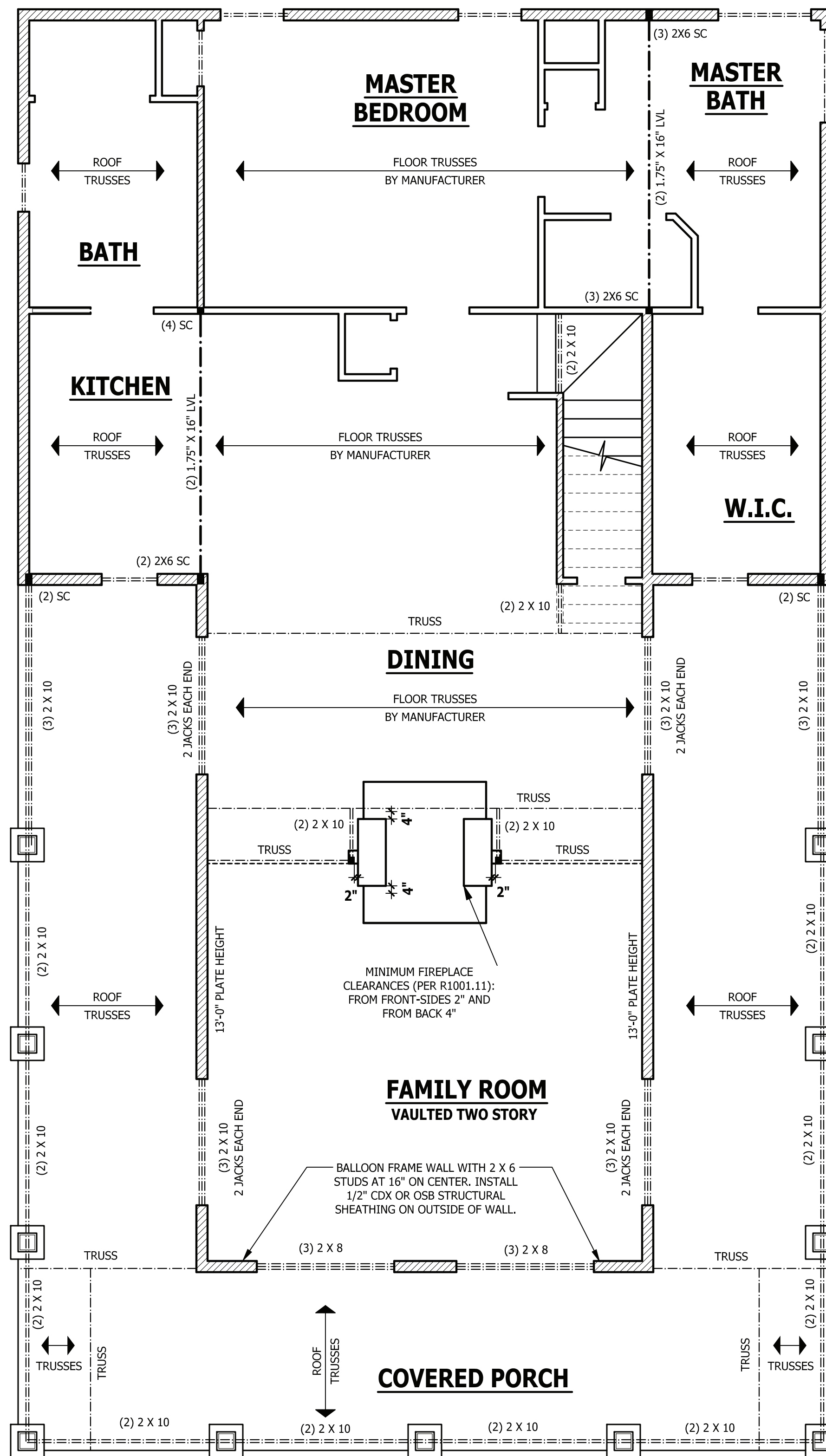
UNLESS NOTED OTHERWISE

- NON LOAD BEARING HEADERS TO BE

LADDER FRAMED

FIRST FLOOR STRUCTURAL

SCALE 1/4" = 1'-0"



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FIRST FLOOR STRUCTURAL

Nelson



SQUARE FOOTAGE HEATED	
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TOTAL	2314 SQ.FT.
UNHEATED	
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UNHEATED OPTIONAL	
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ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics.

BEARING. All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.

ATTIC ACCESS

SECTION R807

R807.1 Attic access. An attic access opening shall be provided to attic areas that exceed 400 square feet (37.16 m²) and have a vertical height of 60 inches (1524 mm) or greater. The net clear opening shall not be less than 20 inches by 30 inches (508 mm by 762 mm) and shall be located in a hallway or other readily accessible location. A 30-inch (762 mm) minimum unobstructed headroom in the attic space shall be provided at some point above the access opening. See Section M1305.1.3 for access requirements where mechanical equipment is located in attics.

Exceptions:

1. Concealed areas not located over the main structure including porches, areas behind knee walls, dormers, bay windows, etc. are not required to have access.
2. Pull down stair treads, stringers, handrails, and hardware may protrude into the net clear opening.

EXTERIOR HEADERS

- (2) 2 X 6 WITH 1 JACK STUD EACH END UNLESS NOTED OTHERWISE
- KING STUDS EACH END PER TABLE BELOW

HEADER SPAN	< 3'	3'-4'	4'-8'	8'-12'	12'-16'
KING STUD(S)	1	2	3	5	6

INTERIOR HEADERS

- LOAD BEARING HEADERS (2) 2 X 6 WITH 1 JACK STUD AND 1 KING STUD EACH END UNLESS NOTED OTHERWISE
- NON LOAD BEARING HEADERS TO BE LADDER FRAMED

WALL THICKNESSES

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Fire escapes	40	10	L/360
Guardrails and handrails	200	--	--
Guardrail in-fill components	50	--	--
Passenger vehicle garages	50	10	L/360
Rooms other than sleeping	40	10	L/360
Sleeping rooms	30	10	L/360
Stairs	40	--	L/360
Snow	20	--	--

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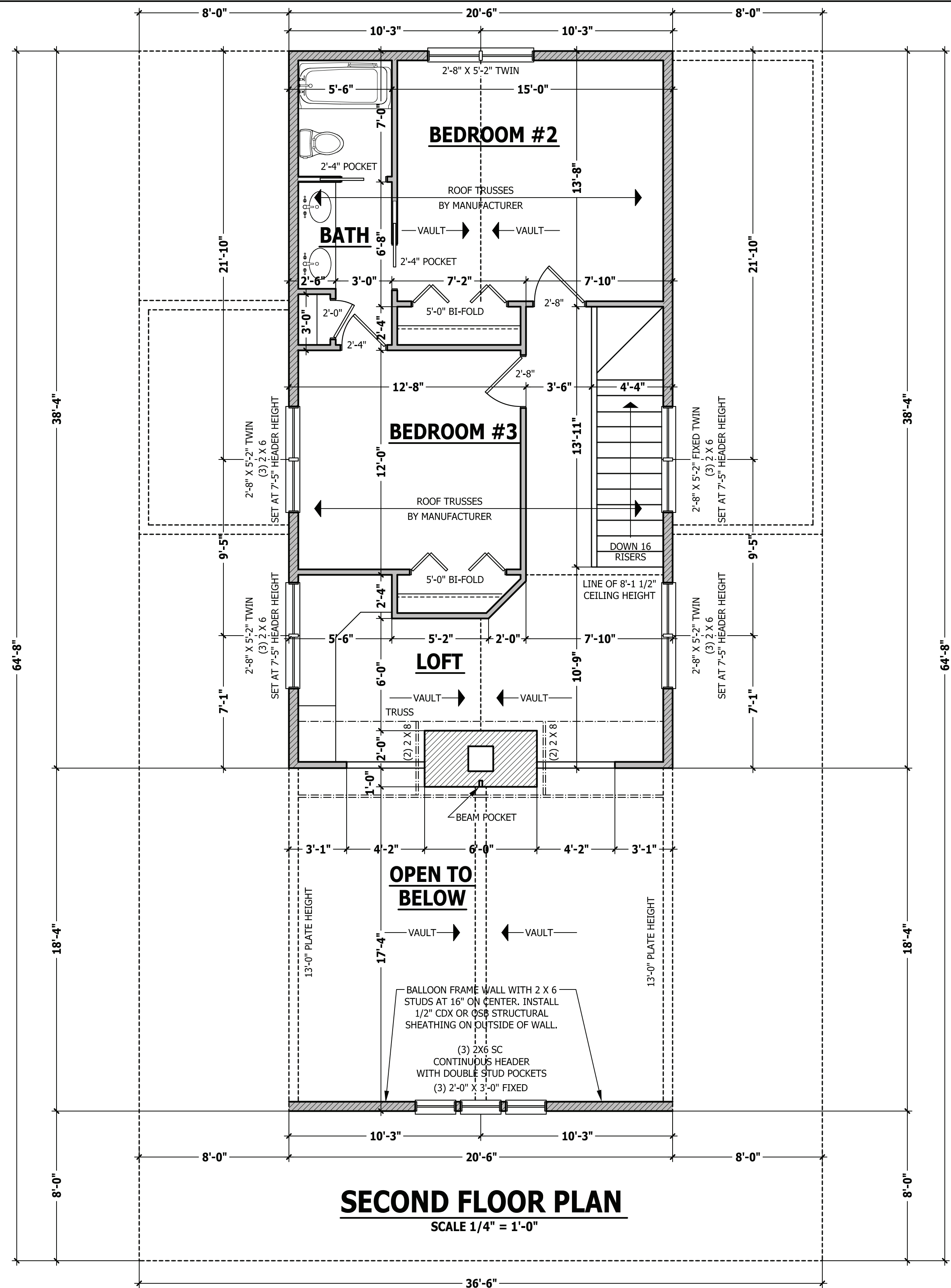
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FLOOR SHEATHING: OSB or CDX floor sheathing minimum 1/2" thick for 16" on center joist spacing, minimum 5/8" thick for 19.2" on center joist spacing, and minimum 3/4" thick for 24" on center joist spacing.

ROOF SHEATHING: OSB or CDX roof sheathing minimum 3/8" thick for 16" on center rafters and 7/16" for 24" on center rafters.

CONCRETE AND SOILS: See foundation notes.



SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

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SECOND FLOOR PLAN

Nelson

SHB SIGNATURE HOME BUILDERS, INC.

HAYNES HOME PLANS, INC. P.O. Box 702, Wake Forest, NC 27788 919-485-6180 Fax: 1-866-491-0396

SQUARE FOOTAGE HEATED	
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SECOND FLOOR	739 SQ.FT.
TOTAL	2314 SQ.FT.
UNHEATED	
FRONT PORCH	785 SQ.FT.
REAR PORCH	107 SQ.FT.
TOTAL	892 SQ.FT.
UNHEATED OPTIONAL	
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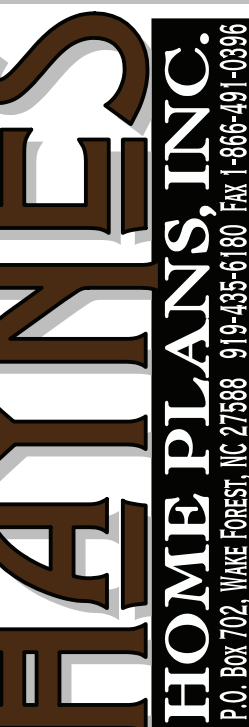
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ROOF PLAN
 Nelson



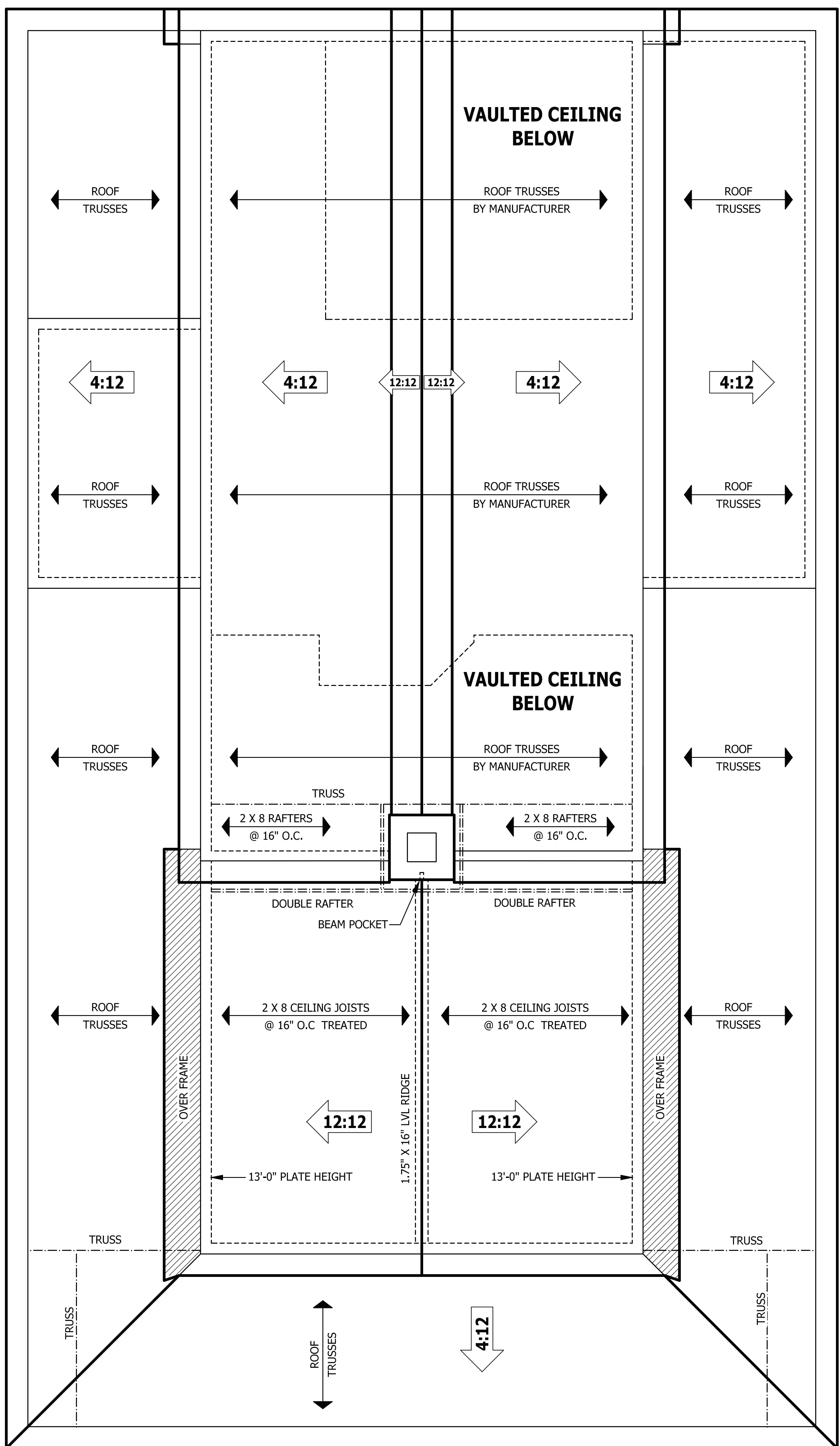
SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	1575 SQ.FT.
SECOND FLOOR	739 SQ.FT.
TOTAL	2314 SQ.FT.
UNHEATED	
FRONT PORCH	785 SQ.FT.
REAR PORCH	107 SQ.FT.
TOTAL	892 SQ.FT.
UNHEATED OPTIONAL	
DECK	222 SQ.FT.
TOTAL	222 SQ.FT.

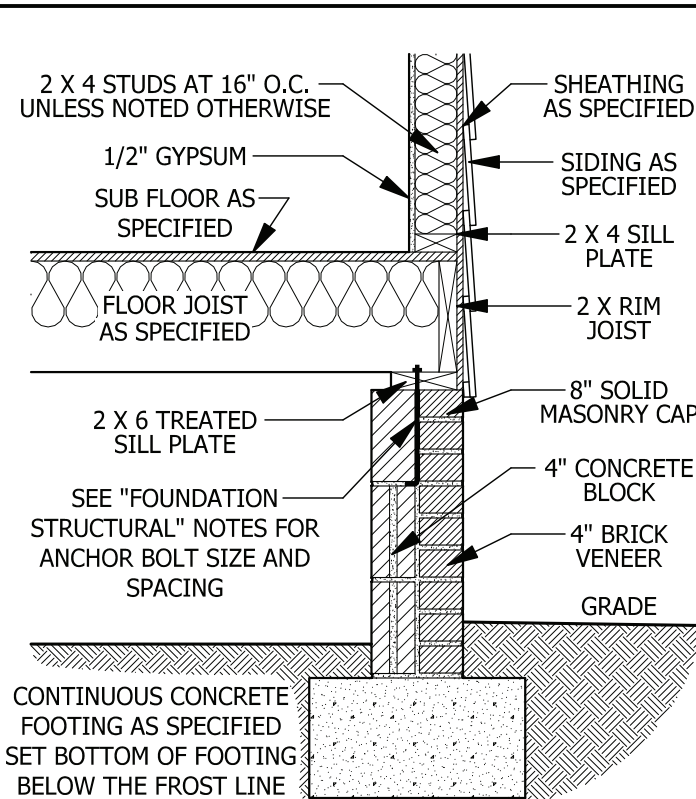
2/17/2020
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 PAGE 7 OF 8

ROOF TRUSS REQUIREMENTS

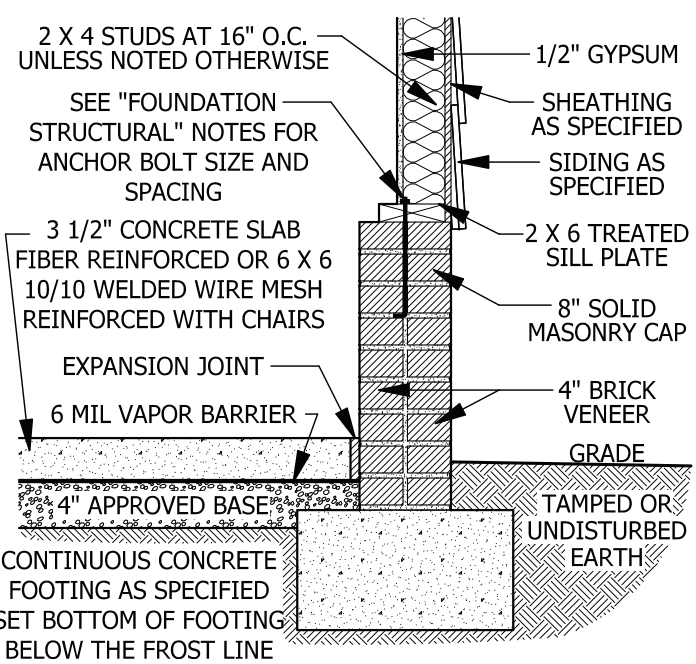
TRUSS DESIGN. Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plan, Inc. attention before construction begins.
ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics.
BEARING. All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.

ROOF PLAN
 SCALE 1/4" = 1'-0"

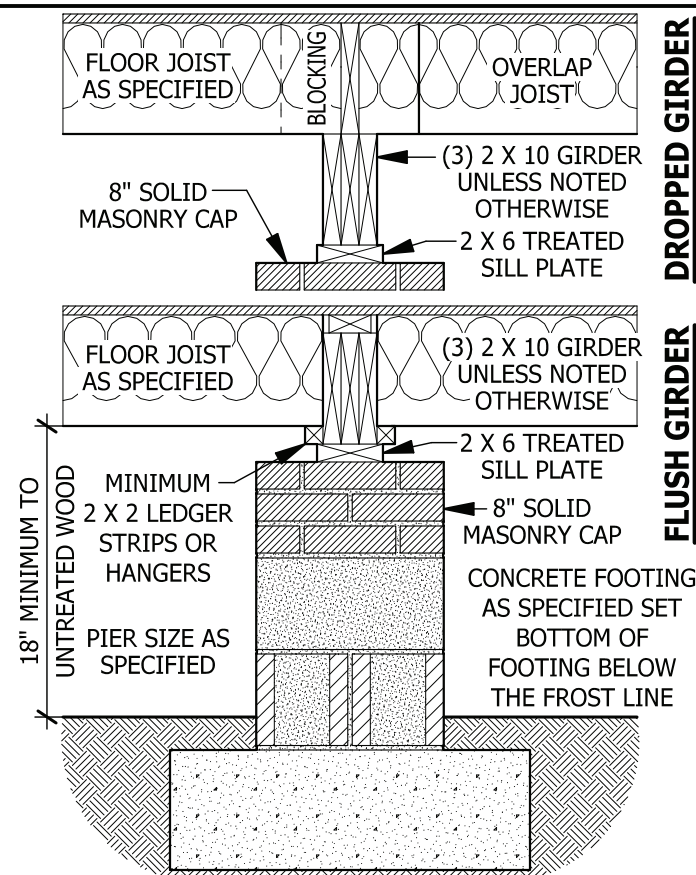




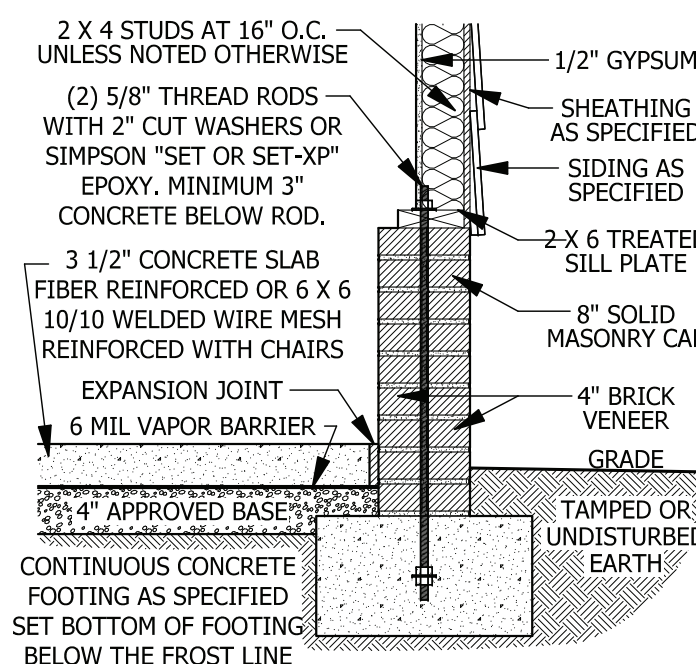
A CRAWL SPACE WALL
SCALE 3/4" = 1'-0"



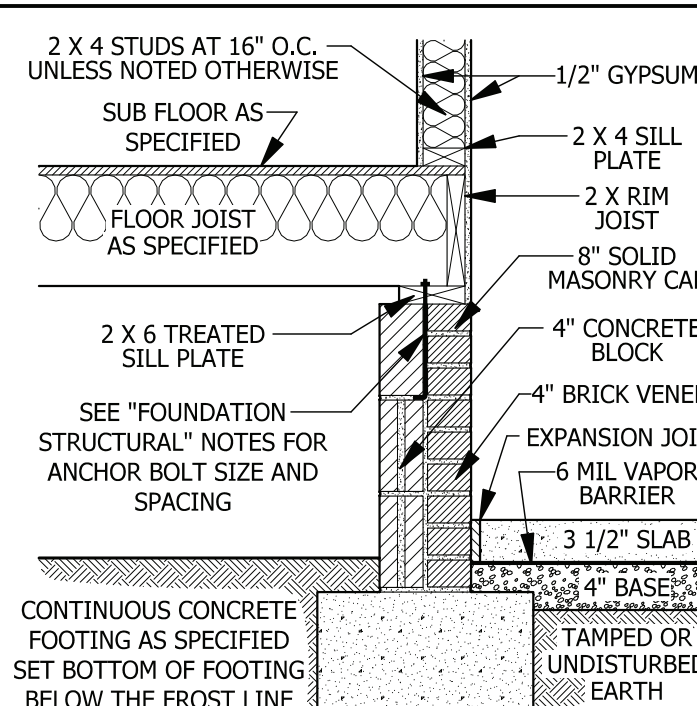
D GARAGE STEM WALL
SCALE 3/4" = 1'-0"



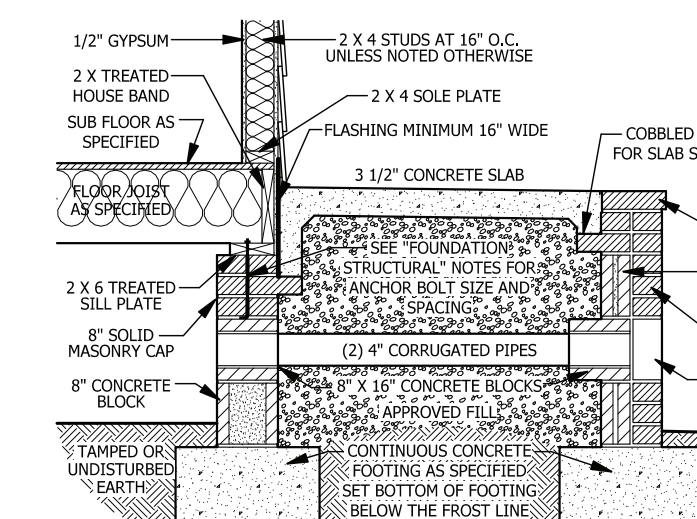
B DROPPED/ FLUSH PIER
SCALE 3/4" = 1'-0"



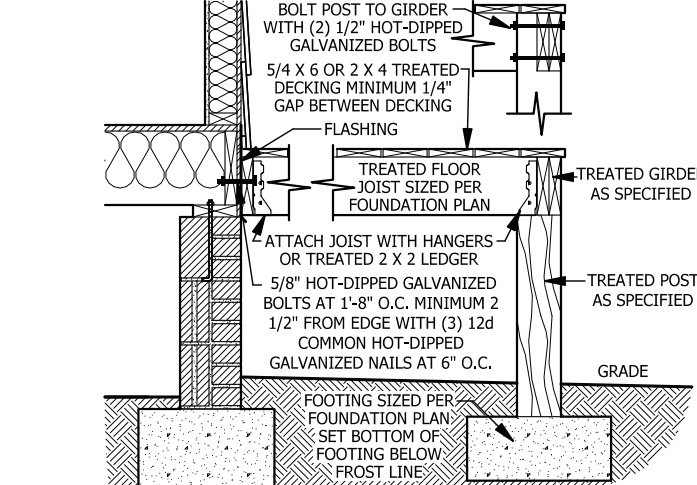
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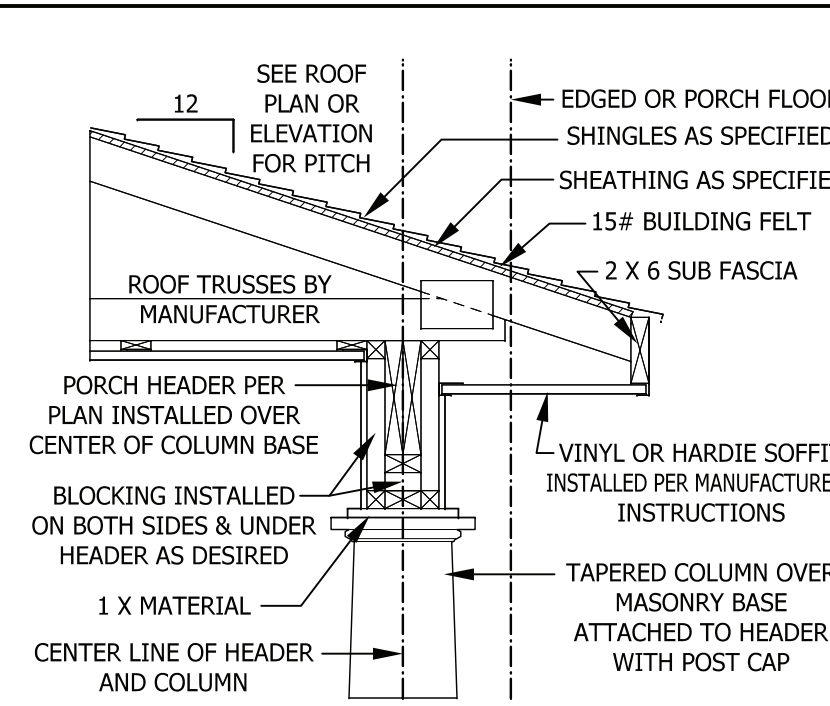
C CRAWL SPACE AT GARGE
SCALE 3/4" = 1'-0"



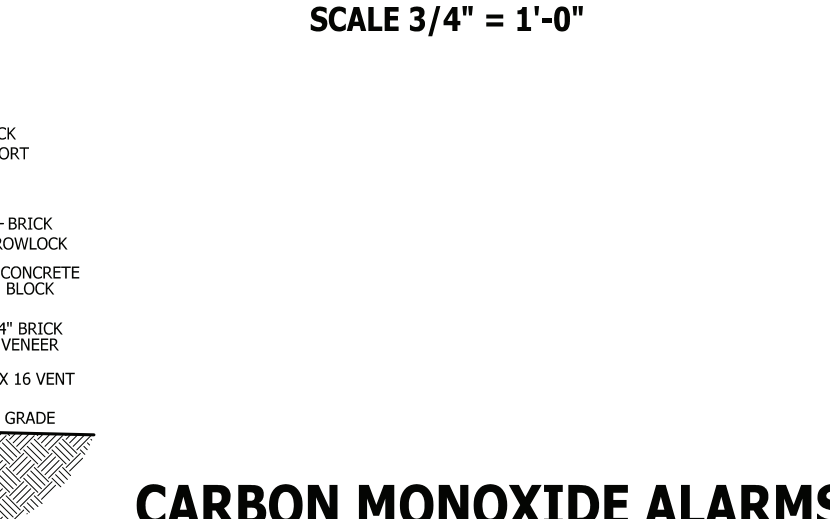
F FILLED PORCH SECTION WITH VENT
SCALE 1/2" = 1'-0"



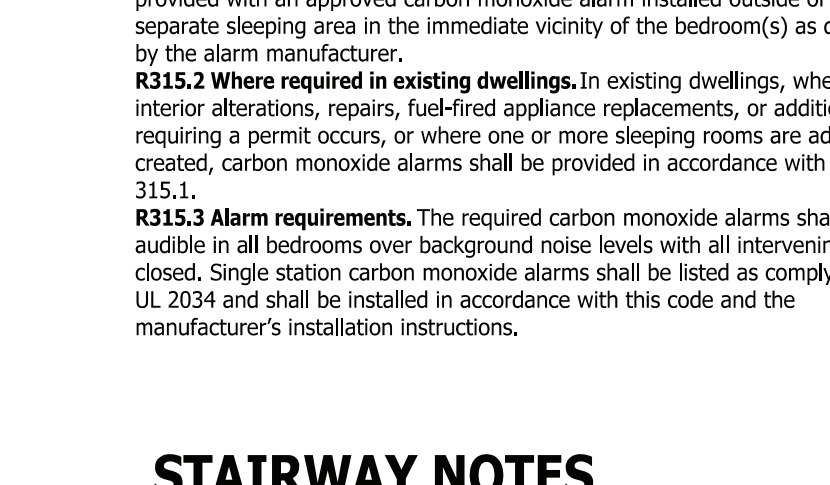
G DECK ATTACHMENT
SCALE 1/2" = 1'-0"



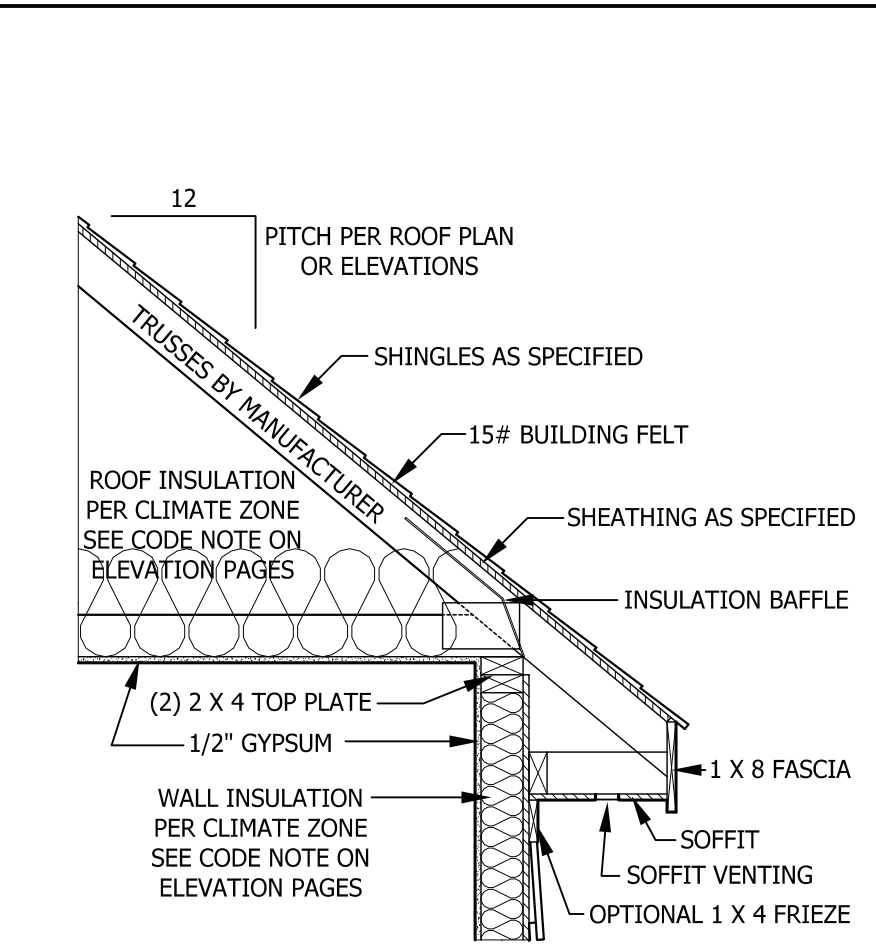
PORCH HEADER WITH TAPERED COLUMN
SCALE 3/4" = 1'-0"



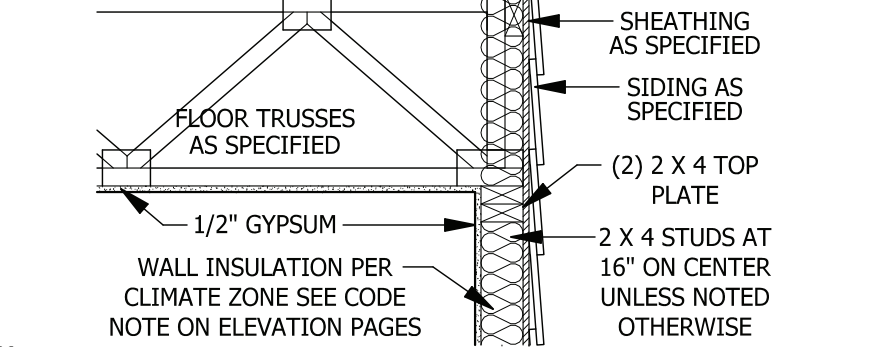
CARBON MONOXIDE ALARMS



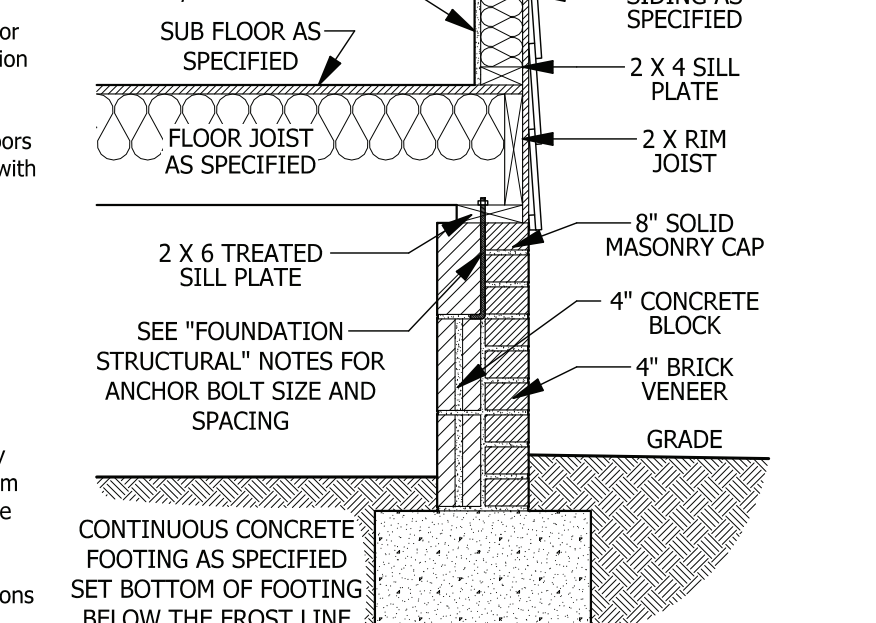
STAIRWAY NOTES



TYPICAL WALL DETAIL
SCALE 3/4" = 1'-0"



TYPICAL WALL DETAIL
SCALE 3/4" = 1'-0"



TYPICAL WALL DETAIL
SCALE 3/4" = 1'-0"

DECK STAIR NOTES

SECTION AM110
AM110.1 Stairs shall be constructed per Figure AM110. Stringer spans shall be no greater than 7 foot span between supports. Spacing between stringers shall be based upon decking material used per AM107.1. Each Stringer shall have minimum 3 1/2 inches between step cut and back of stringer. If used, suspended headers shall shall be attached with 3/8 inch galvanized bolts with nuts and washers to securely support stringers at the top.

DECK BRACING

SECTION AM109
AM109.1 Deck bracing. Decks shall be braced to provide lateral stability. The following are acceptable means to provide lateral stability.
AM109.1.1. When the deck floor height is less than 4'-0" above finished grade per Figure AM109 and the deck is attached to the structure in accordance with Section AM104, lateral bracing is not required.
AM109.1.2. 4 x 4 wood knee braces may be provided on each column in both directions. The knee braces shall attach to each post at a point not less than 1/3 of the post length from the top of the post, and the braces shall be angled between 45 degrees and 60 degrees from the horizontal. Knee braces shall be bolted to the post and the girder/double band with one 5/8 inch hot dipped galvanized bolt with nut and washer at both ends of the brace per Figure AM109.1
AM109.1.3. For freestanding decks without knee braces or diagonal bracing, lateral stability may be provided by embedding the post in accordance with Figure AM109.2 and the following:

POST SIZE	MAX. TRIBUTARY AREA	MAX. POST HEIGHT	EMBEDMENT DEPTH	CONCRETE DIAMETER
4 X 4	48 SF	4'-0"	2'-6"	1'-0"
6 X 6	120 SF	6'-0"	3'-6"	1'-8"

AM109.1.4. 2 x 6 diagonal vertical cross bracing may be provided in two perpendicular directions for freestanding decks or parallel to the structure at the exterior column line for attached decks. The 2 x 6's shall be attached to the posts with one 5/8 inch hot dipped galvanized bolt with nut and washer at each end of each bracing member per Figure AM109.3.
AM109.1.5. For embedment of piles in Coastal Regions, see Chapter 45.

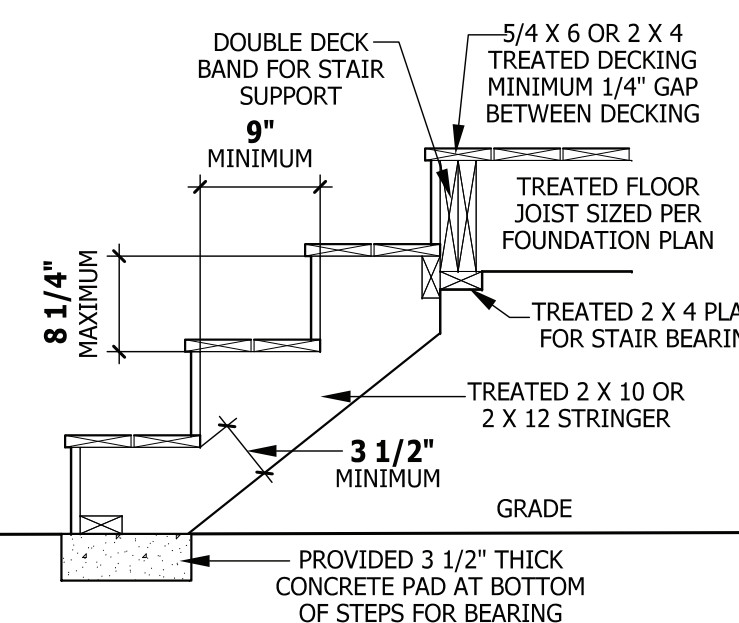
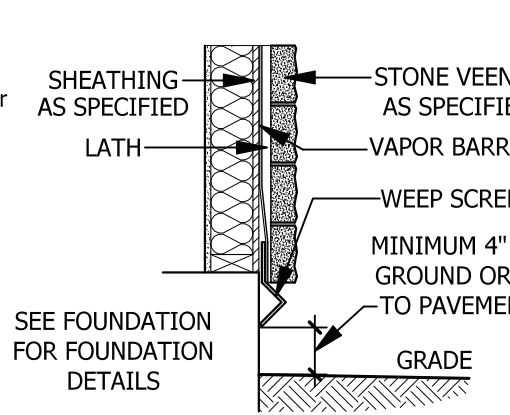


FIGURE AM110
TYPICAL DECK STAIR DETAIL
SCALE 3/4" = 1'-0"

WEEP SCREEDS

All weep screeds and stone veneer to be installed per manufactures instructions and per the 2012 North Carolina Residential Building code.
R703.6.2.1 - A - A minimum 0.019-inch (0.5 mm) (No. 26 galvanized sheet gage), corrosion-resistant weep screed or plastic weep screed, with a minimum vertical attachment flange of 31/2 inches (89 mm) shall be provided at or below the foundation plate line on exterior stud walls in accordance with ASTM C 926. The weep screed shall be placed a minimum of 4 inches (102 mm) above the earth or 2 inches (51 mm) above paved areas and shall be of a type that will allow trapped water to drain to the exterior of the building. The weather-resistant barrier shall lap the attachment flange. The exterior lath shall cover and terminate on the attachment flange of the weep screed.



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

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TYPICAL DETAILS
Nelson

SHB SIGNATURE HOME BUILDERS, INC.

HAYNES HOME PLANS, INC.
P.O. Box 702, Wake Forest, NC 27788 919-435-6180 Fax 1-866-491-0396

SQUARE FOOTAGE

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TOTAL	222 SQ.FT.
UNHEATED OPTIONAL	222 SQ.FT.
DECK	222 SQ.FT.
TOTAL	222 SQ.FT.



ROOF & FLOOR TRUSSES & BEAMS

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

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. The individual design sheets for each truss design identified on the drawings. The building designer, as a responsible professional, shall be responsible for the design 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 trusses, consult ICC-ES E-1000 and E-1001 provided with the truss delivery package or online @ www.comtech.com

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 1500#. 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 1500#.

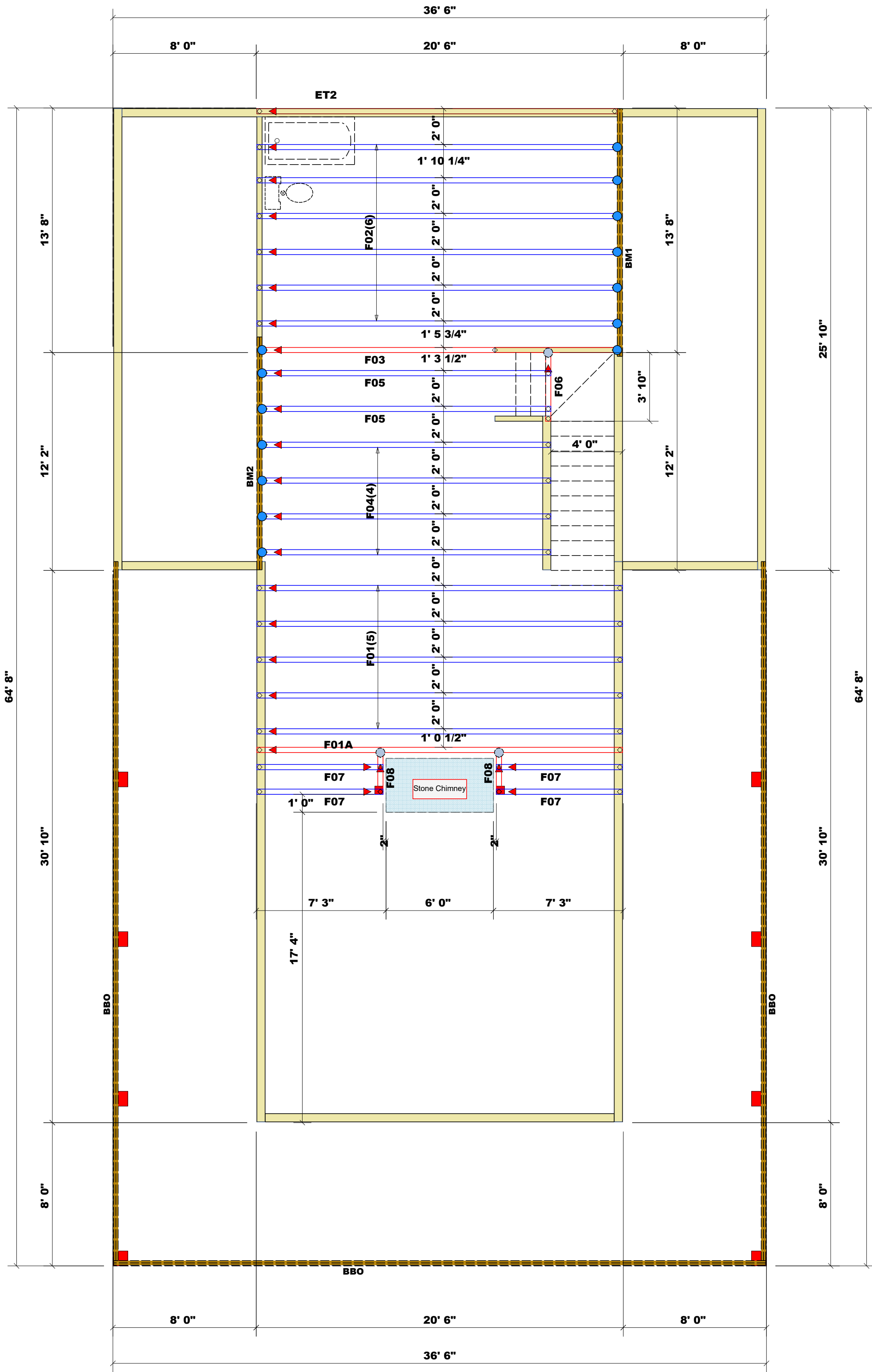
Signature: _____
Sales Area

COUNTY	Hammett County
ADDRESS	215 Joe Collins Road / Lillington, NC
MODEL	Roof & Floor
DATE REV.	3/20/20
DRAWN BY	Anthony Williams
SALESMAN	Anthony Williams

BUILDER	Signature Home Builders
JOB NAME	Centrally Residence
PLAN	Nelson Plan
SEAL DATE	2/17/20
QUOTE #	B0120-0162 & B0120-0163
JOB #	J0120-0162 & J0120-0163

LOAD REACTION (LBS)	1700	3400	5100	6800	8500	10200	11900	13600	15300
NO. OF STUDS FOR EACH REACTION	1	2	3	4	5	6	7	8	9
NO. OF STUDS FOR EACH REACTION (10' BY 10')	1	2	3	4	5	6	7	8	9
NO. OF STUDS FOR EACH REACTION (10' BY 12')	1	2	3	4	5	6	7	8	9
NO. OF STUDS FOR EACH REACTION (12' BY 12')	1	2	3	4	5	6	7	8	9

NO. OF STUDS FOR EACH REACTION (10' BY 10')	1	2	3	4	5	6	7	8	9
NO. OF STUDS FOR EACH REACTION (10' BY 12')	1	2	3	4	5	6	7	8	9
NO. OF STUDS FOR EACH REACTION (12' BY 12')	1	2	3	4	5	6	7	8	9



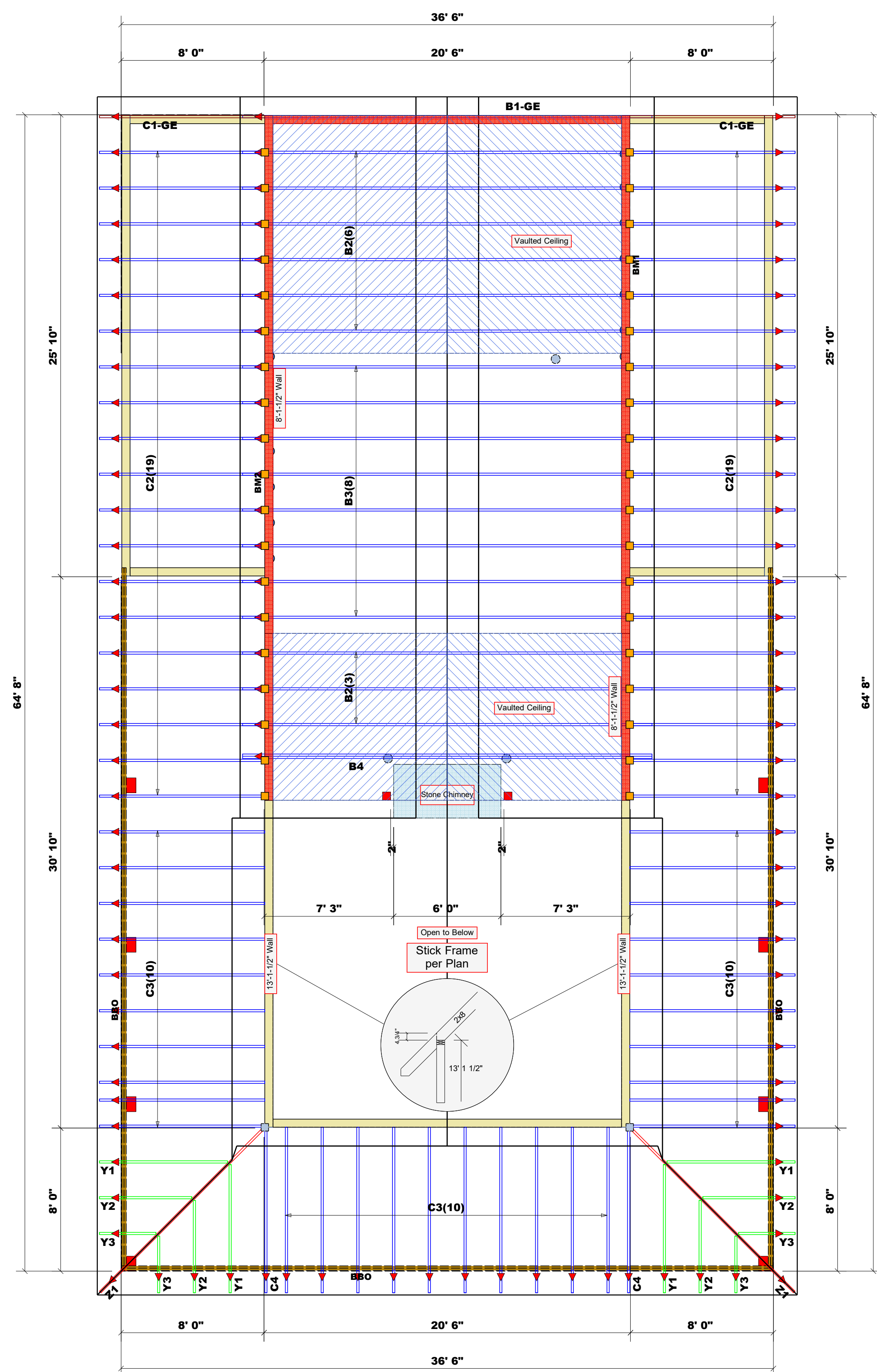
Dimension Notes
1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise.
2. All interior wall dimensions are to face of stud unless noted otherwise.
3. All exterior wall to truss dimensions are to face of stud unless noted otherwise.

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

Connector Information				Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header / Truss
●	HUS410	USP	14	Varies	16d/3-1/2" / 16d/3-1/2"
●	MSH422	USP	3	Varies	10d/3" / 10d/3"

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.

Products					
PlotID	Length	Product	Plies	Net Qty	
BM1	14' 0"	1-3/4"x 16" LVL Kerto-S	2	2	
BM2	13' 0"	1-3/4"x 16" LVL Kerto-S	2	2	
BBO	40' 0"	2x10 SP No.2	2	4	
BBO	38' 0"	2x10 SP No.2	2	2	



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

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

Connector Information				Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header / Truss
●	JUS26	USP	38	Varies	10d/3" / 10d/3"
●	HJC26	USP	2	Varies	16d/3-1/2" / 10d/3"

Truss Placement Plan
SCALE: NTS