

PLANS DESIGNED TO THE 2018 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE

MEAN ROOF HEIGHT: 18'-11"
HEIGHT TO RIDGE: 26'-0"

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
FLOOR R-VALUE	19	19	19
CEILING R-VALUE	38 or 30CI	38 or 30CI	38 or 30CI
WALL R-VALUE	15	15	15
BASEMENT WALL R-VALUE	10/15	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
 * CRAWL SPACE WALL R-VALUE 10/15
 ** SLAB R-VALUE 10
 ** BASEMENT WALL R-VALUE 10/15
 FLOOR R-VALUE 30
 WALL R-VALUE 19
 CEILING R-VALUE 38 or 30CI
 CEILING R-VALUE 38 or 30CI
 SKYLIGHT U-FACTOR 0.55
 GLAZED FENESTRATION SHGC 0.30
 FLOOR R-VALUE 19
 WALL R-VALUE 15
 CEILING R-VALUE 38 or 30CI
 MEAN ROOF HEIGHT: 18'-11"
 HEIGHT TO RIDGE: 26'-0"

ROOF VENTILATION

ZONE	5	4	3	2	1
MEAN ROOF UP TO 30'	30'-1" TO 35'	35'-1" TO 40'	40'-1" TO 45'	45'-1" TO 50'	50'-1" TO 55'
ZONE 1	13.1	13.8	14.7	15.3	14.7
ZONE 2	13.0	13.7	14.2	14.6	14.6
ZONE 3	13.1	13.8	14.3	14.7	14.7
ZONE 4	14.3	15.0	15.8	16.4	16.0
ZONE 5	14.3	15.0	15.8	16.4	16.0

DESIGNED FOR WIND SPEED OF 115 MPH, 3 SECOND GUST (89 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 13.1 -14.0 13.8 -14.7 14.3 -15.3 14.7 -15.7
 ZONE 2 13.0 -13.0 13.7 -13.7 14.2 -14.2 14.6 -14.6
 ZONE 3 13.1 -13.8 14.3 -14.3 14.7 -14.7 14.7 -14.7
 ZONE 4 14.3 -15.0 15.8 -15.8 16.4 -16.4 16.0 -16.8
 ZONE 5 14.3 -15.0 15.8 -15.8 16.4 -16.4 16.0 -16.8

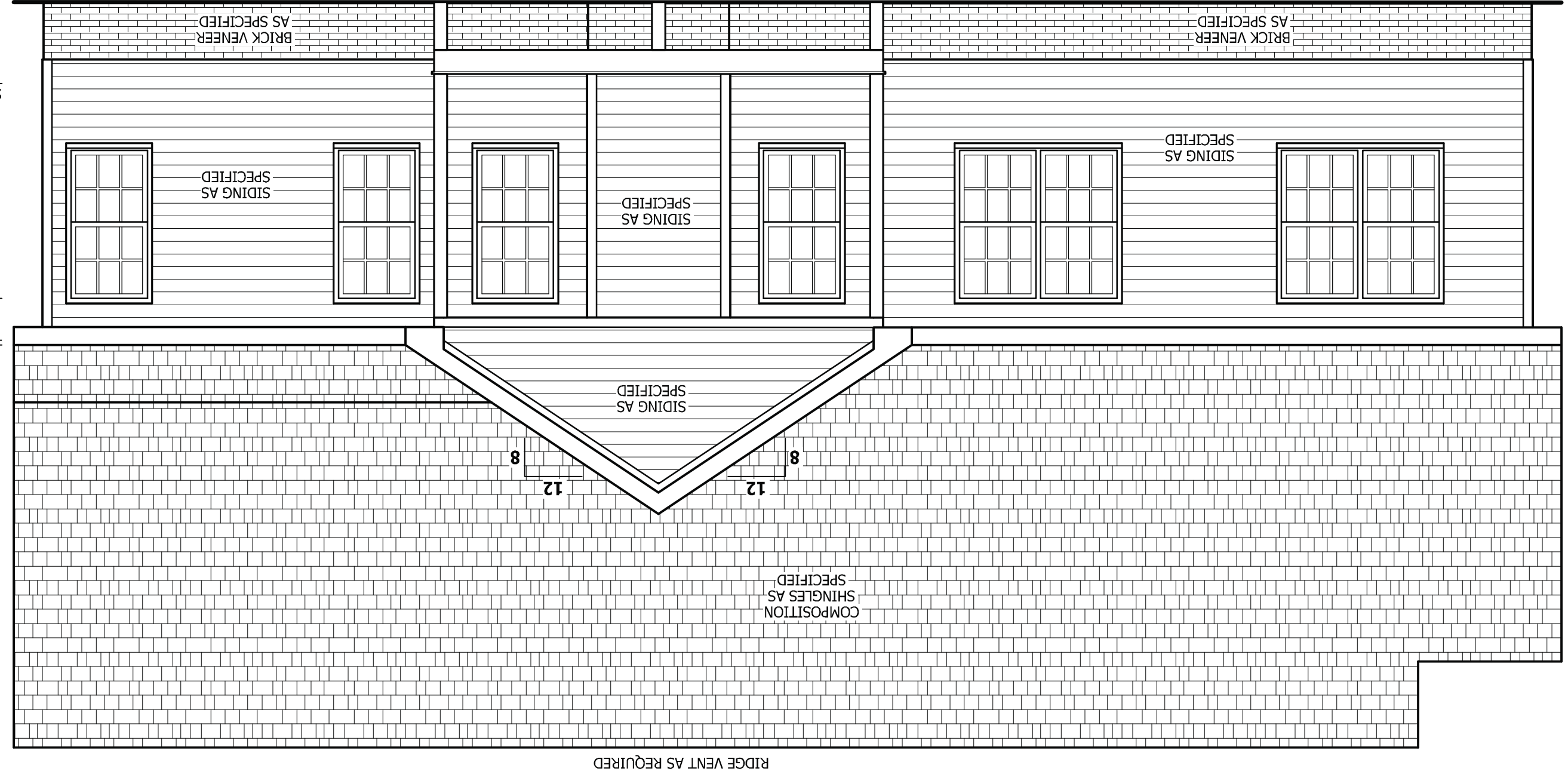
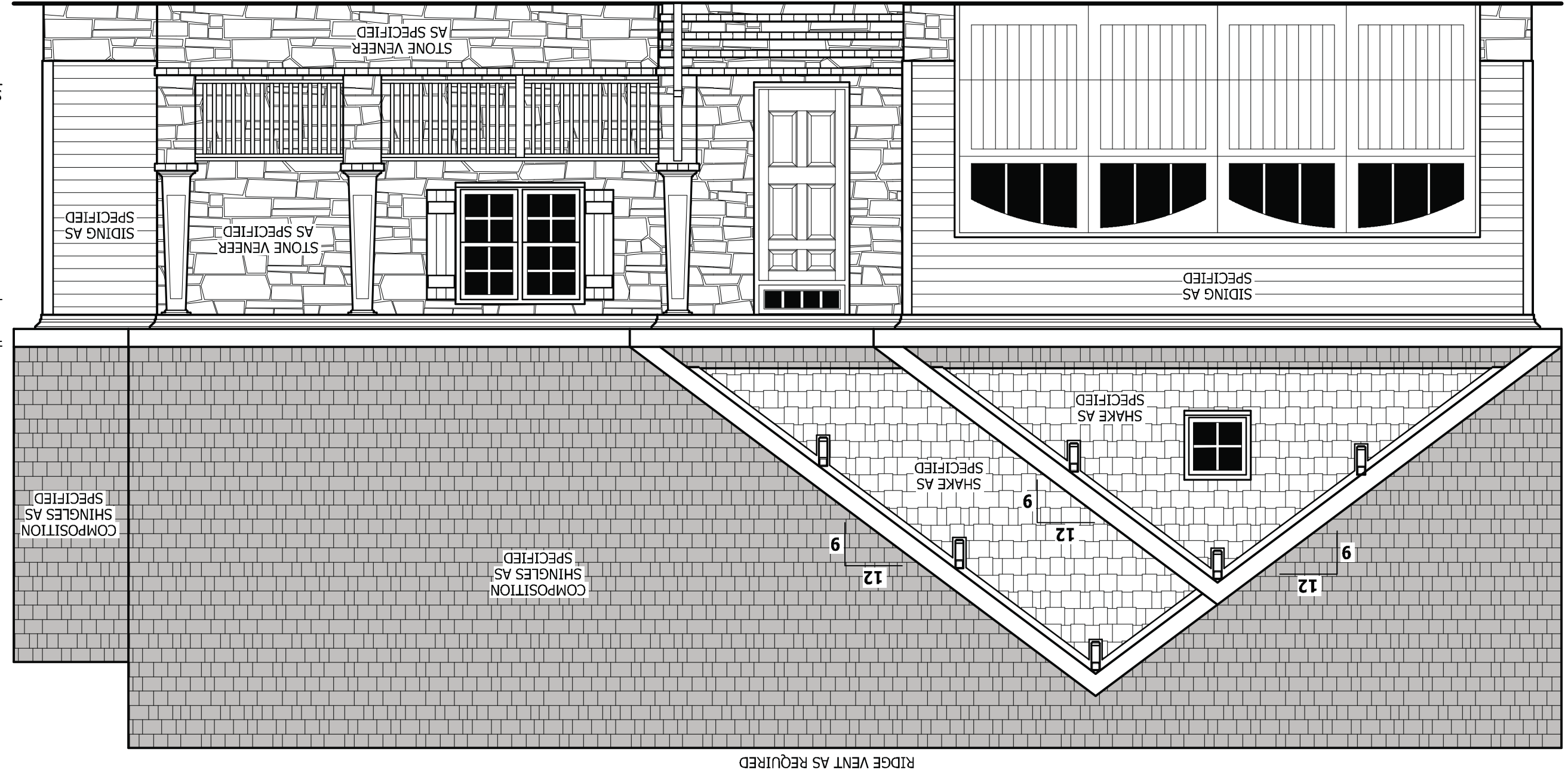
SECTION R806
R806.1 Ventilation required. Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings 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.
 1. Enclosed attic/rafter spaces requiring less than 1 square foot (0.0929 m²) of ventilation may be vented with continuous soffit ventilation only.
 2. Enclosed attic/rafter spaces over unconditioned space may be vented with continuous soffit vent only.
 SQUARE FOOTAGE OF ROOF TO BE VENTED = 2,433 SQ.FT.
 NET FREE CROSS VENTILATION NEEDED:
 WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 16.22 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 = 8.11 SQ.FT.

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:
 1. 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.
 2. 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 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:
 1. 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 (152 mm) in diameter.
 2. 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.

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:
 1. Blocking and sealing roof/ceiling systems and under knee walls open to unconditioned or exterior space.
 2. Capping and sealing shafts or chases, including flue shafts.
 3. Capping and sealing soffit or dropped ceiling areas.



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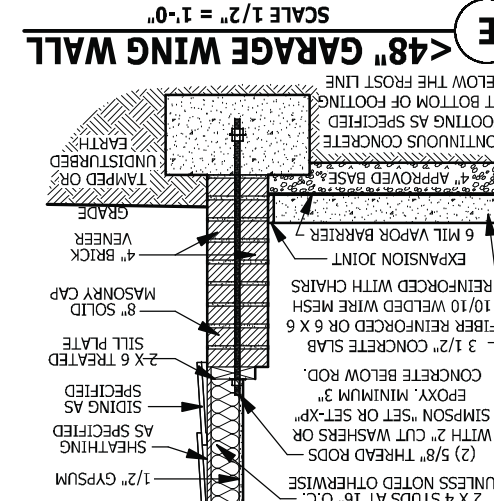
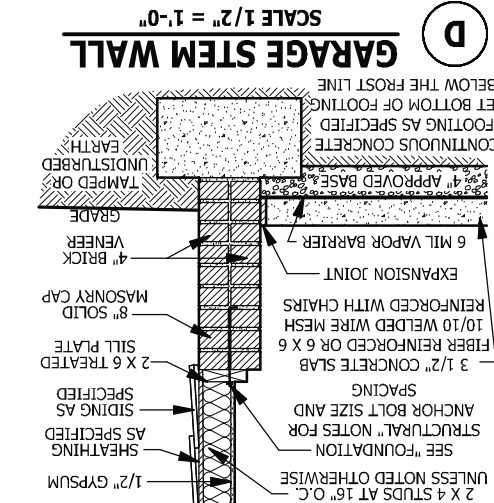
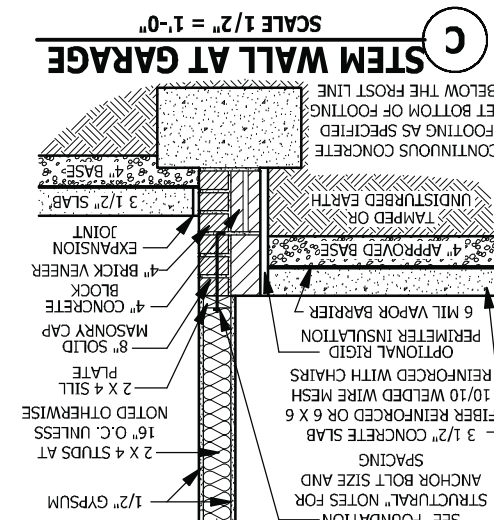
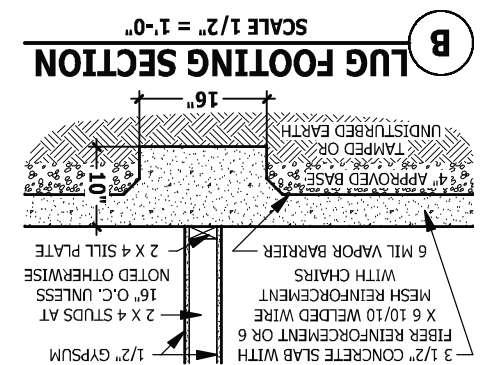
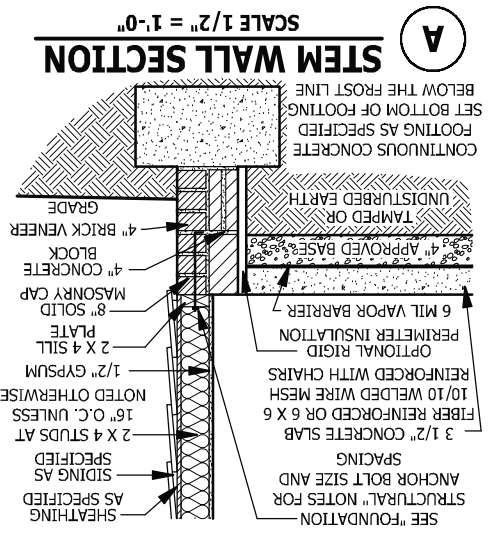
FRONT & REAR ELEVATIONS
Oakdale

On Top Building Company, LLC
 2393 Twin Acres Road
 Clayton, NC

HAYNES
HOME PLANS, INC.
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SQUARE FOOTAGE
 HEATED 1622 SQ.FT.
 UNHEATED 483 SQ.FT.
 TOTAL 2105 SQ.FT.
 FIRST FLOOR 1622 SQ.FT.
 GARAGE 167 SQ.FT.
 FRONT PORCH 157 SQ.FT.
 REAR PORCH 802 SQ.FT.
 TOTAL 2105 SQ.FT.

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 1/22/2020
 200116B
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FOUNDATION STRUCTURAL

115 to 130 mph wind zone (1 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: 8" x 16" with 4" solid masonry cap on 24" x 24" x 10" concrete footing with maximum pier height of 32" with hollow masonry and 80" with solid masonry, 16" x 16" piers with 4" 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.

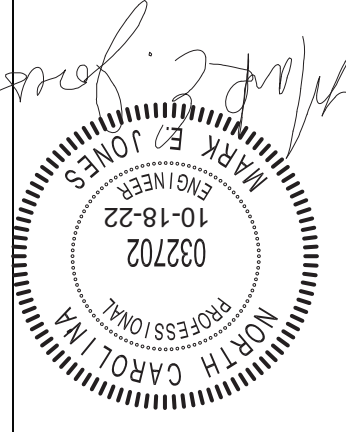
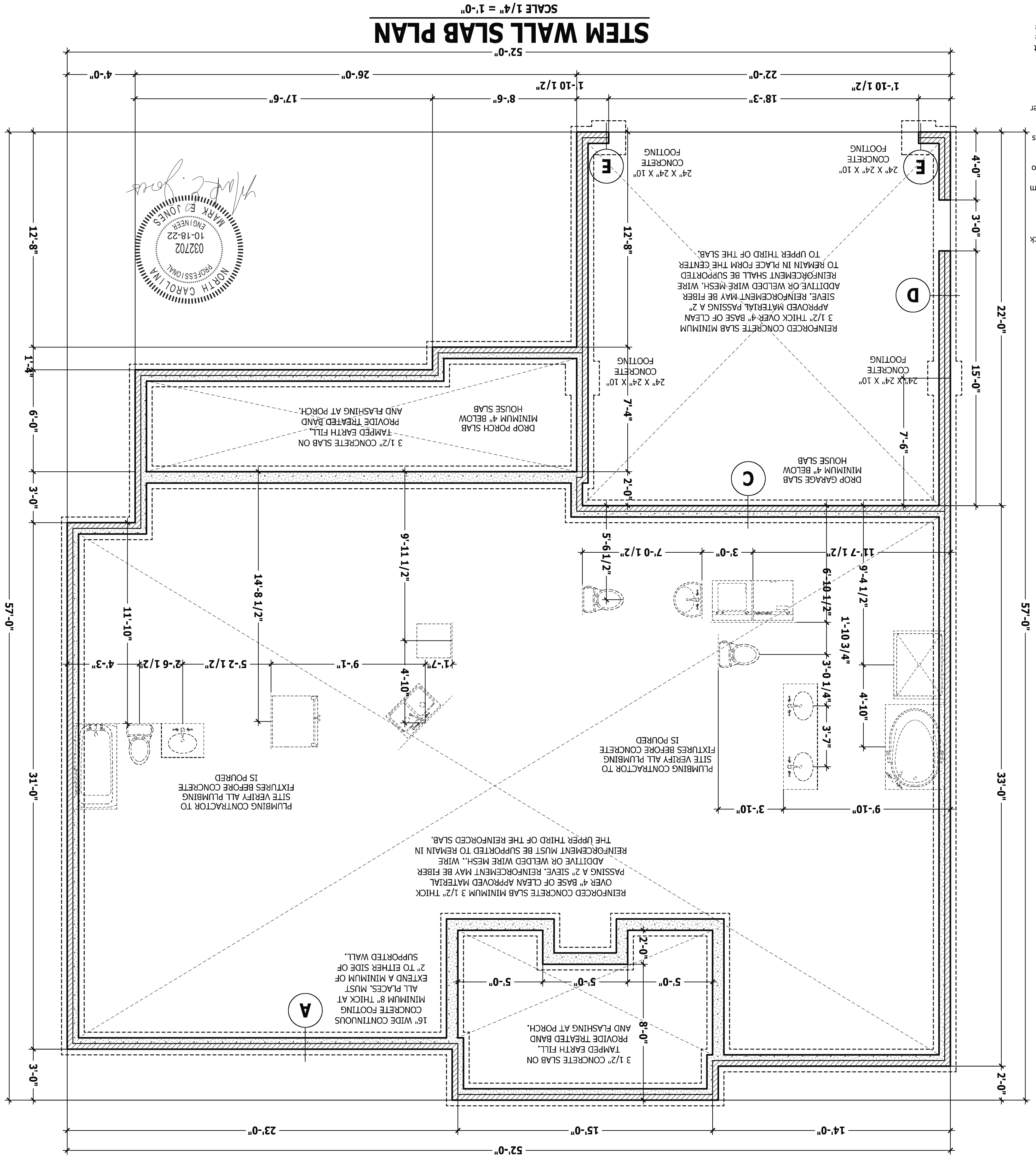
POINT LOADS: ■ designates significant point load and should have solid blocking to pier, girder or foundation wall.

130 MPH ANCHORS BOLTS: 1/2" diameter anchor bolts embedded minimum 15" per plate.

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.

CONCRETE: Concrete shall have a minimum 28 day strength of 3000 psi and 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.



SQUARE FOOTAGE	HEATED	1622 SQ.FT.
UNHEATED	FIRST FLOOR	1622 SQ.FT.
483 SQ.FT.	GARAGE	157 SQ.FT.
152 SQ.FT.	FRONT PORCH	152 SQ.FT.
802 SQ.FT.	REAR PORCH	802 SQ.FT.
TOTAL		

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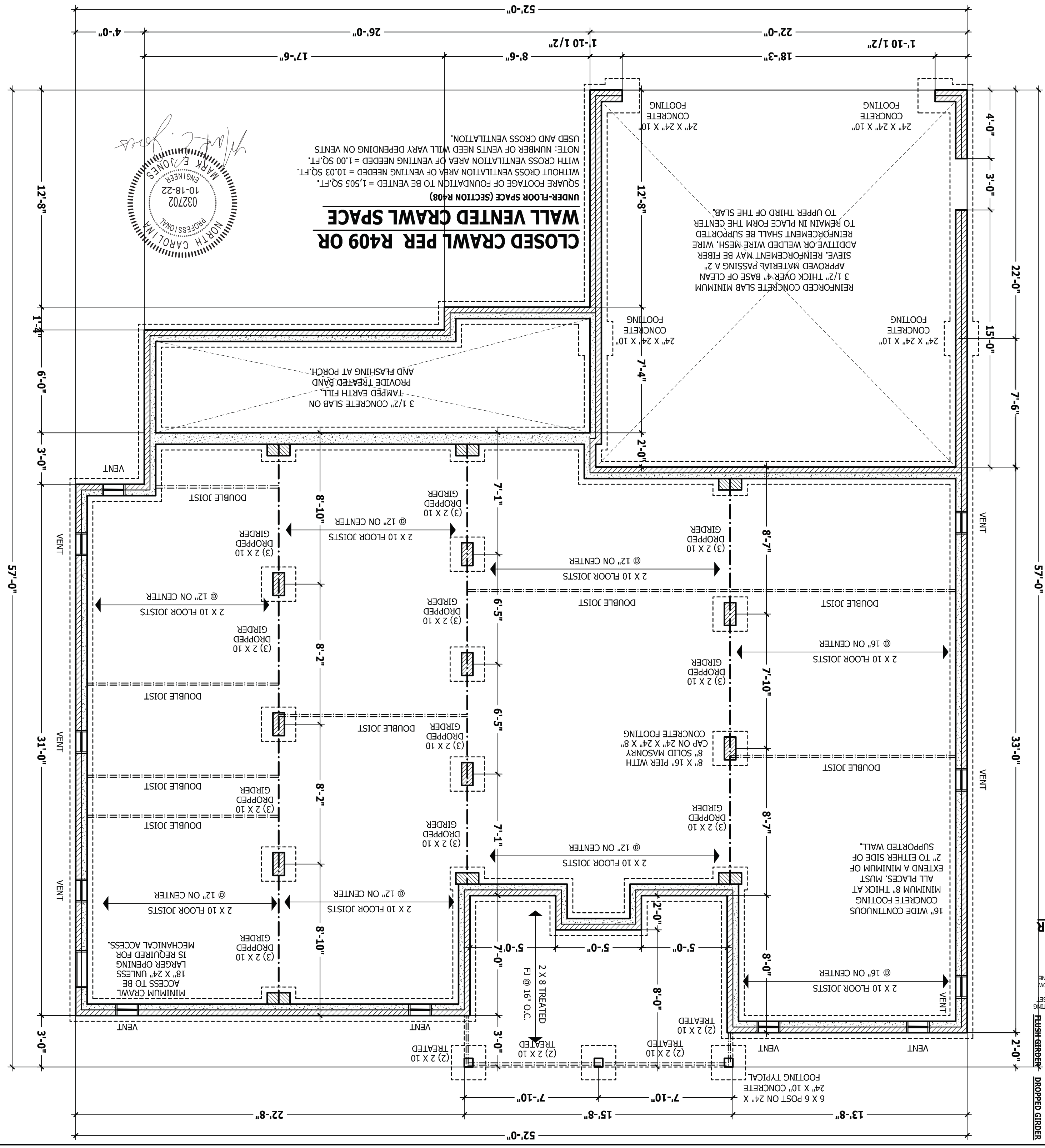
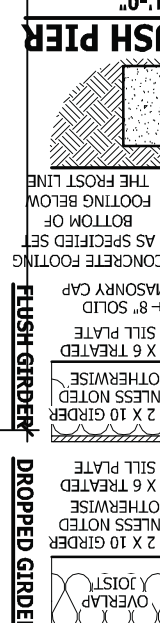
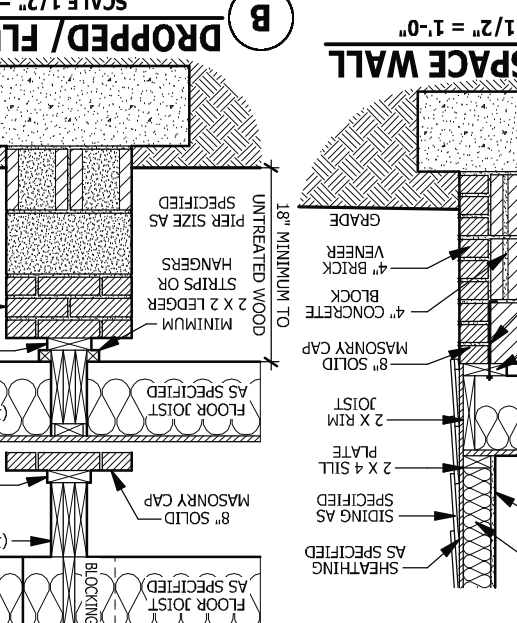
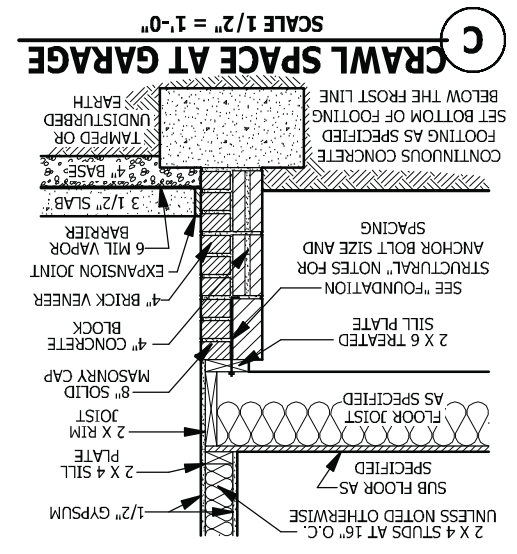
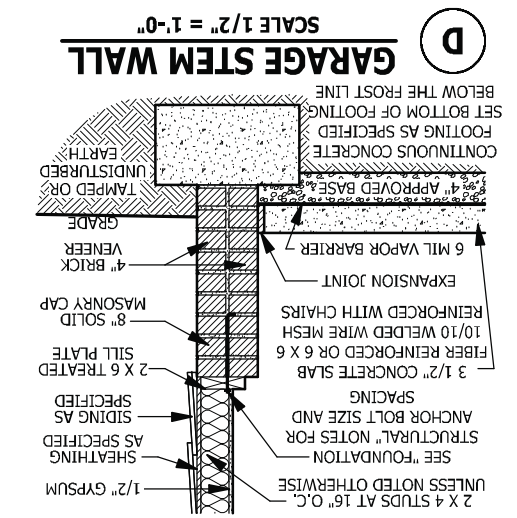
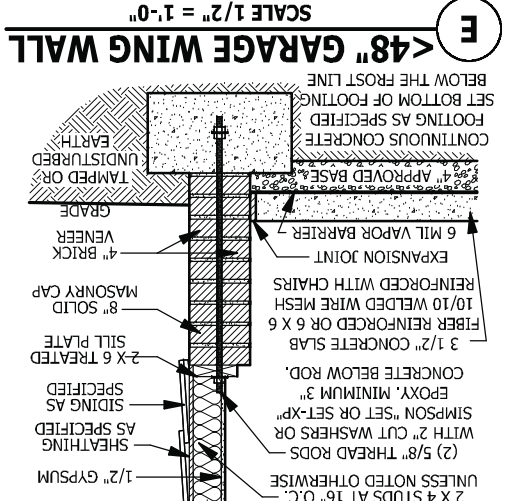
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STEM WALL SLAB PLAN
Oakdale

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FOUNDATION STRUCTURAL

115 to 130 mph wind zone (1 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 with height of 32" with hollow masonry and 80" with solid masonry. 16" X 16" piers with 4" solid masonry cap on 30" X 30" X 10" footing with maximum pier height of 64" with hollow masonry and 80" with solid masonry. 16" X 16" piers with 4" solid masonry cap on 24" X 24" X 10" concrete pier height of 64" with hollow masonry and should have solid **POINT LOADS:** ■ designates significant point load and should have solid blocking to pier, girder or foundation wall.
115 and 120 MPH ANCHORS BOLT: 1/2" diameter anchor bolts embedded minimum 7", maximum 6'-0" on center, within 12" of plate ends, and **130 MPH ANCHORS BOLT:** 1/2" diameter anchor bolts embedded minimum two anchor bolts per plate.
150 MPH ANCHORS BOLT: 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.



HEATED	TOTAL	1622 SQ.FT.
UNHEATED	TOTAL	1822 SQ.FT.
GABLE PORCH		483 SQ.FT.
REAR PORCH		152 SQ.FT.
TOTAL		802 SQ.FT.

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CRAWL SPACE PLAN
 Oakdale

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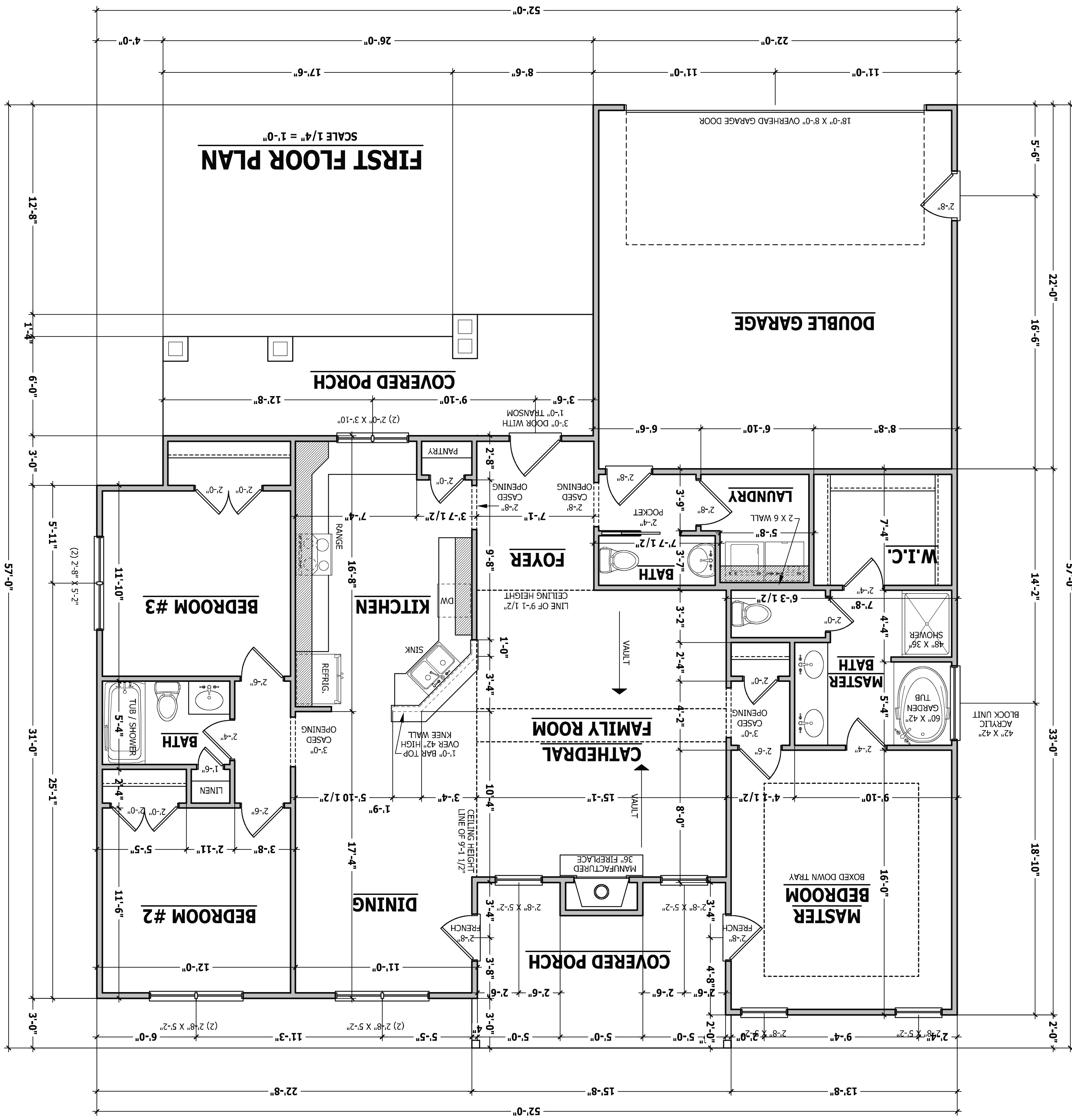
SQUARE FOOTAGE	
HEATED	1622 SQ.FT.
UNHEATED	1622 SQ.FT.
TOTAL	3244 SQ.FT.
FRONT PORCH	
GAME	483 SQ.FT.
REAR PORCH	152 SQ.FT.
TOTAL	802 SQ.FT.



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 Clayton, NC

FIRST FLOOR PLAN
Oakdale

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SECTION R302.7
 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 20 inches (508 mm by 508 mm) and shall be located in a hallway or other 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.

WALL THICKNESSES
 Exterior walls and walls adjacent to a garage area are drawn as 4" 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.

SEPARATION / GARAGE
WALLS. A minimum 1/2" gypsum board must be installed on all walls supporting floor/ceiling assemblies used for separation required by this section.
STAIRS. A minimum of 1/2" gypsum board must be installed on the underside and exposed sides of all stairways.
CEILING. A minimum of 1/2" gypsum must be installed in the garage ceiling if there are no habitable room above the garage. If there are habitable room above the garage a minimum of 5/8" type X gypsum board must be installed on the garage ceiling.
OPENING PENETRATIONS. Openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors.
DUCT PENETRATIONS. Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.
OTHER PENETRATIONS. Penetrations through the separation required in Section R302.6 shall be protected as required by Section R302.11, Item 4.

ATTIC ACCESS
SECTION 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 20 inches (508 mm by 508 mm) and shall be located in a hallway or other 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.

WALL THICKNESSES
 Exterior walls and walls adjacent to a garage area are drawn as 4" 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.

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OTHER PENETRATIONS. Penetrations through the separation required in Section R302.6 shall be protected as required by Section R302.11, Item 4.

STRUCTURAL NOTES

All construction shall conform to the latest requirements of the 2018 North Carolina Residential Building Code, plus all local codes and regulations. This document in no way shall be construed to supersede the code.

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

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

LINTELS: Brick lintels shall be 3 1/2" x 3 1/2" x 1 1/4" steel angle for up to 9'-0" span, 6" x 4" x 5/16" steel angle with 6" leg vertical for spans up to 12'-0" unless noted otherwise. 3 1/2" x 1 1/4" x 1/2" 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.

BRACE WALL PANEL NOTES

EXTERIOR WALLS: All exterior walls to be sheathed with CS-WSP or CS-SFB in accordance with section R602.10.3 unless noted otherwise.

GYPSUM: All interior sides of exterior walls and both sides interior walls to have 1/2" gypsum installed. When not using method GB to be fastened per table R702.3.5, Method

REQUIRED LENGTH OF BRACING: Required brace wall length for each side of the circumscribed rectangle are interpolated per table R602.10.3. Methods CS-WSP and CS-SFB contribute their actual length. Method GB contributes 0.5 its actual length.

Method HD: 800 lbs hold down device fastened to the edge of the brace wall panel closest to the corner.

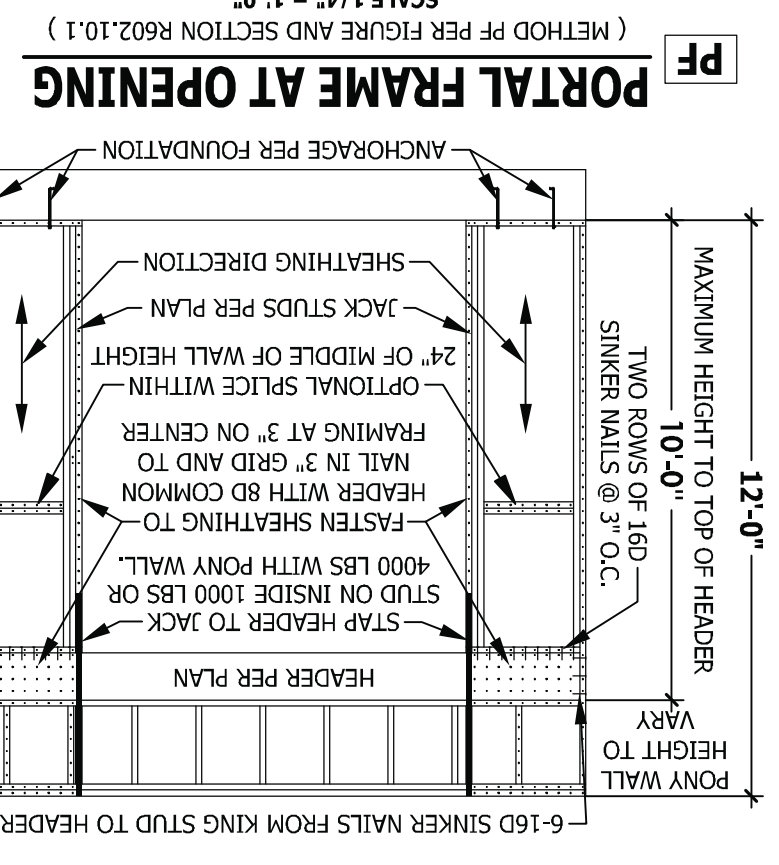
Methods: Per Table R602.10.1

CS-WSP: Shall be minimum 3/8" OSB or CDX nailed at 6" on center at edges and 12" on center at intermediate supports with 6d common nails or 8d (2 1/2" long x 0.113" diameter).

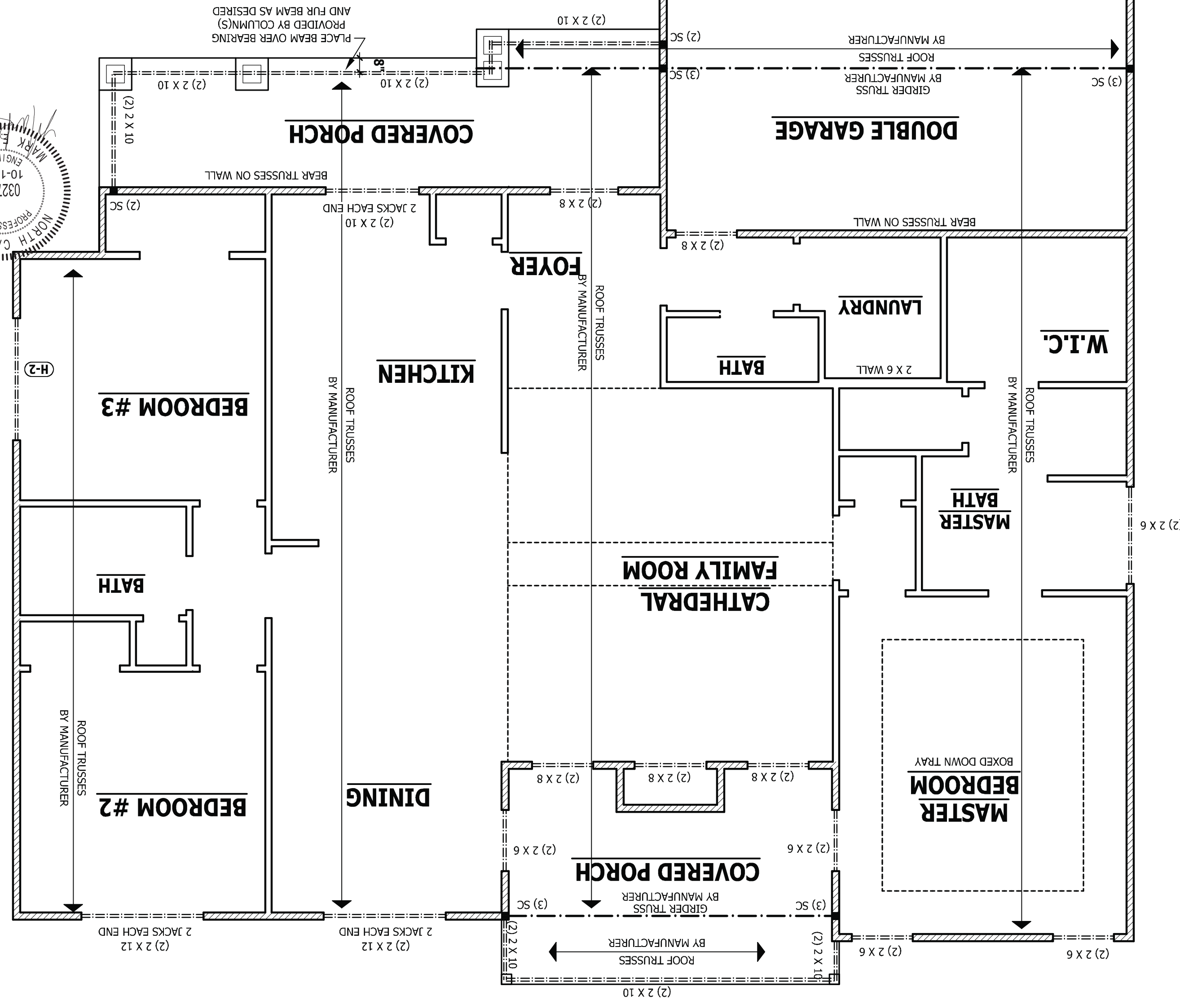
CS-SFB: Shall be minimum 1/2" structural fiber board nailed at 3" on center at edges and 3" on center at intermediate supports with 1 1/2" long x 0.12" diameter galvanized roofing nails.

GB: Interior walls show as GB are to have minimum 1/2" gypsum board on both sides of the wall fastened at 7" on center at edges and 7" on center at intermediate supports with PF: Portal frame per figure R602.10.1 minimum 5d cooler nails or #6 screws.

PF: Portal frame per figure R602.10.1



FIRST FLOOR STRUCTURAL



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 Plans, Inc. attention before construction begins.

KNEE WALL AND CEILING HEIGHTS: All finished knee wall heights and ceiling heights are shown as shown furred down 10" from roof decking for insulation. If for any reason the truss manufacturer fails to meet or exceed designated heel heights, finished knee wall heights, or finished ceiling heights shown on these drawings the finished square footage may vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, so a suitable solution can be reached 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.

Plate Heights & Floor Systems: See elevation page(s) for plate heights and floor system thicknesses.

EXTERIOR HEADERS

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

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

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

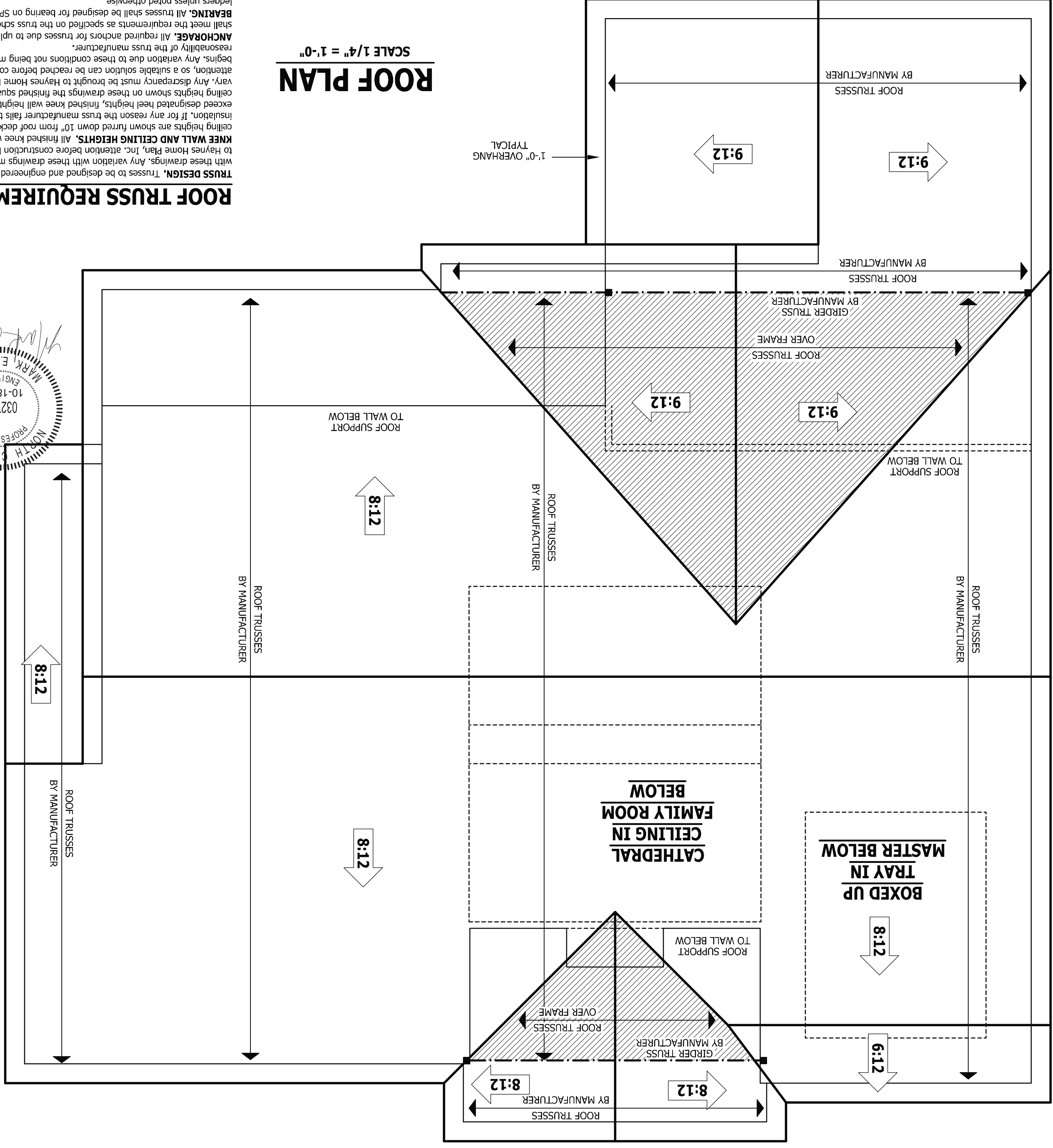
SQUARE FOOTAGE	HEATED	UNHEATED
TOTAL	1622 SQ.FT.	482 SQ.FT.
FIRST FLOOR	1622 SQ.FT.	482 SQ.FT.
REAR PORCH	152 SQ.FT.	152 SQ.FT.
TOTAL	802 SQ.FT.	152 SQ.FT.

HAYNES HOME PLANS, INC.
 P.O. Box 102, White Forest, NC 27888 919-435-6180 Fax 1-866-491-0096

On Top Building Company, LLC
 2393 Twin Acres Road
 Clayton, NC

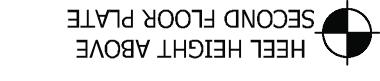
FIRST FLOOR STRUCTURAL
Oakdale

PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION BEGINS. HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS' PRACTICES AND PROCEDURES. CODES AND CONDITIONS MAY VARY WITH LOCATION. A LOCAL DESIGNER ARCHITECT OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION. THESE DRAWINGS ARE INTENDED FOR SERVICE AND AS SUCH SHALL REMAIN THE PROPERTY OF THE DESIGNER.

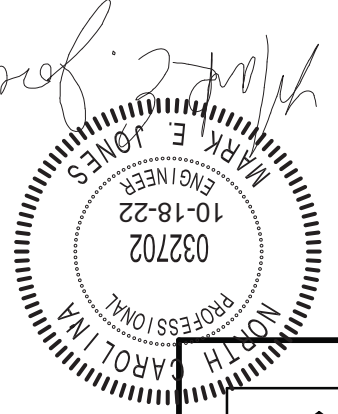


ROOF PLAN
SCALE 1/4" = 1'-0"

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. **KNEE WALL AND CEILING HEIGHTS.** All finished knee wall heights and ceiling heights are shown furled down 10" from roof decking for insulation. If for any reason the truss manufacturer fails to meet or exceed designated heel heights, finished knee wall heights, or finished ceiling heights shown on these drawings the finished square footage may vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, so a suitable solution can be reached before construction begins. Any variation due to these conditions not being met is the responsibility of the truss manufacturer. **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. **Plate Heights & Floor Systems.** See elevation page(s) for plate heights and floor system thicknesses.



SQUARE FOOTAGE
HEATED
FIRST FLOOR 1622 SQ.FT.
UNHEATED
GAME ROOM 483 SQ.FT.
FRONT PORCH 152 SQ.FT.
REAR PORCH 802 SQ.FT.
TOTAL 2427 SQ.FT.



SQUARE FOOTAGE
HEATED
FIRST FLOOR 1622 SQ.FT.
UNHEATED
GAME ROOM 483 SQ.FT.
FRONT PORCH 152 SQ.FT.
REAR PORCH 802 SQ.FT.
TOTAL 2427 SQ.FT.

HAYNES
HOME PLANS, INC.
P.O. Box 702, White Forest, NC 27888 919-435-6180 Fax: 1-866-491-0396

On Top Building Company, LLC
2393 Twin Acres Road
Clayton, NC

ROOF PLAN
Oakdale

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