#### **PLANS DESIGNED TO THE**

## **2018 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE**

MEAN ROOF HEIGHT: 18'-10"

HEIGHT TO RIDGE: 25'-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"

			,		1			
COMPONENT	& CLA	DDING	DESIG	NED FO	R THE	FOLLO	WING I	LOADS
MEAN ROOF	UP T	O 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	15.9	-16.8
ZONE 2	14.2	-18.0	14.9	-18.9	15.5	-19.6	15.9	-20.2
ZONE 3	14.2	-18.0	14.9	-18.9	15.5	-19.6	15.9	-20.2
ZONE 4	15.5	-16.0	16.3	-16.8	16.9	-17.4	17.4	-17.9
ZONE 5	15.5	-20.0	16.3	21.0	16.9	-21.8	17.4	22.4

## **ROOF VENTILATION**

**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 doth 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.

**BRICK VENEER** 

AS SPECIFIED

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 = 2,253 SQ.FT.

NET FREE CROSS VENTILATION NEEDED:

WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 15.02 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 = 7.51 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.

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 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:**

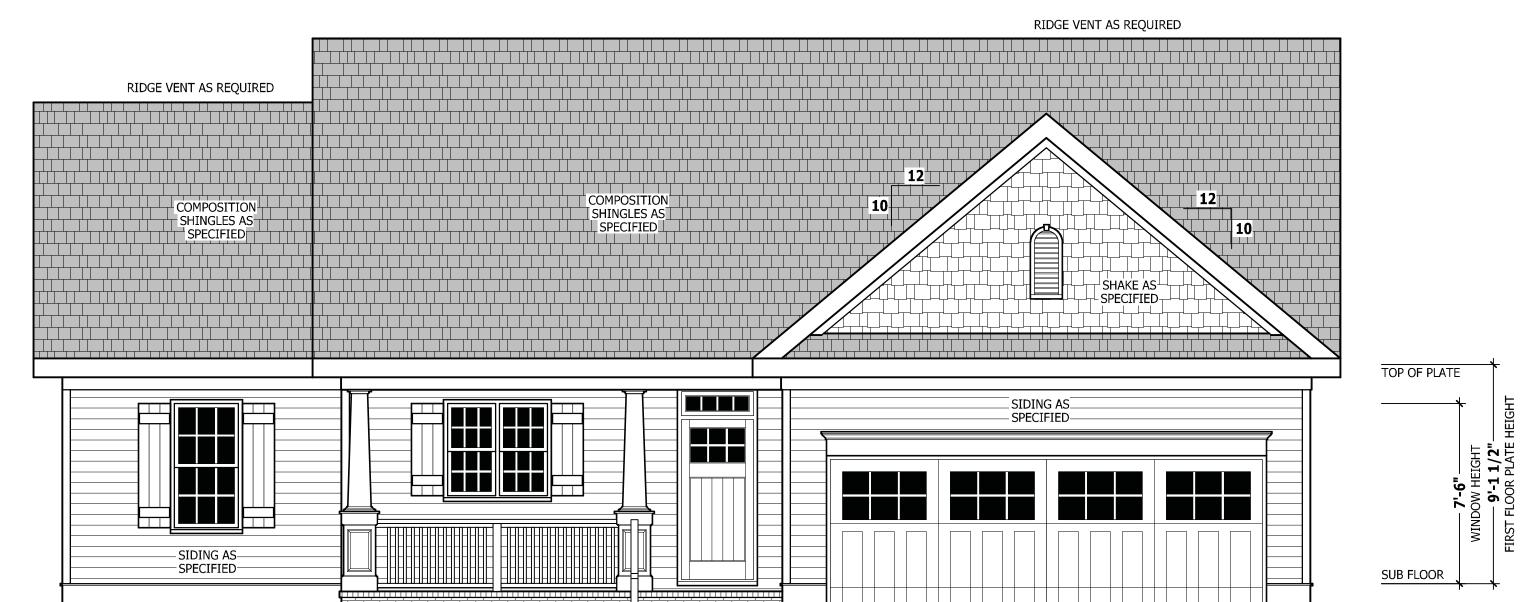
1. The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a *guard*, shall not allow passage of a sphere 6 inches (153 mm) in diameter.

2. Guards on the open sides of stairs shall not have openings which allow passage of a sphere 43/8 inches (111 mm) in diameter.

### AIR LEAKAGE

**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 floor/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.



**FRONT ELEVATION** 

SCALE 1/4" = 1'-0"

RAIL AS NEEDED PER CODE

#### **SQUARE FOOTAGE** HEATED

1608 SQ.FT. 1608 SQ.FT. FIRST FLOOR TOTAL **UNHEATED** 

FRONT PORCH GARAGE **REAR PORCH** TOTAL

TOP OF PLATE

SUB FLOOR

110 SQ.FT. 484 SQ.FT. 51 SQ.FT. 645 SQ.FT.

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**ELEVATION** 

REAR

Ø

**FRONT** 

**Amherst** 

SQUARE FOOTAGE HEATED FIRST FLOOR UNHEATED

GARAGE REAR PORCH

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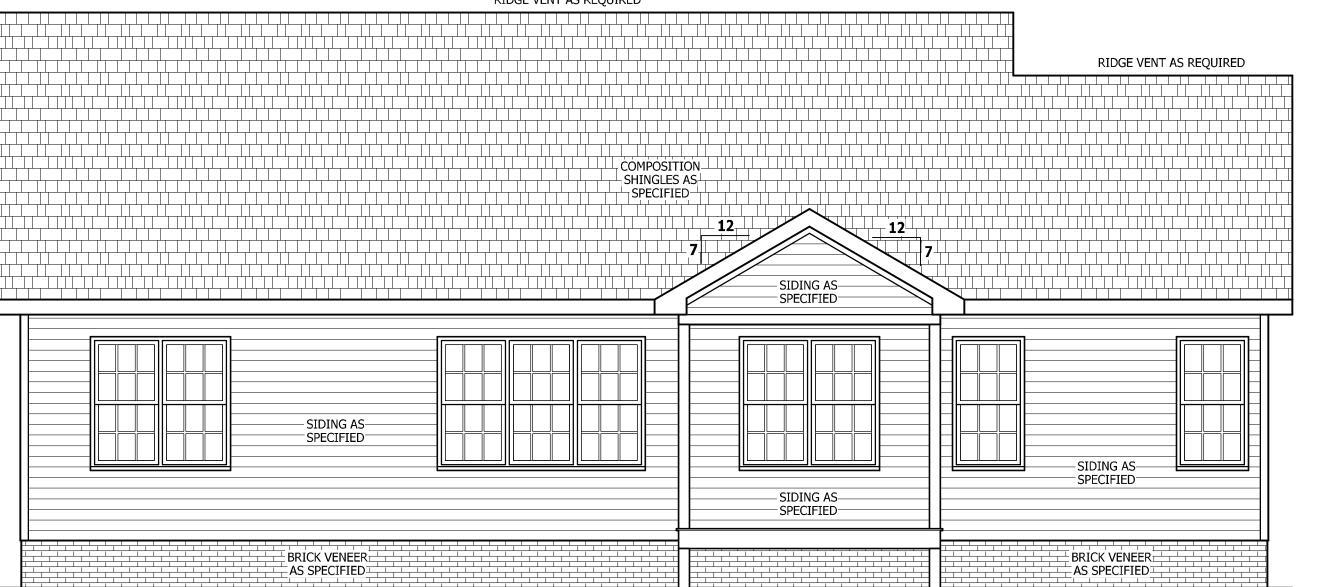
PAGE 1 OF 9

RAIL AS NEEDED

PER CODE

BRICK VENEER

AS SPECIFIED



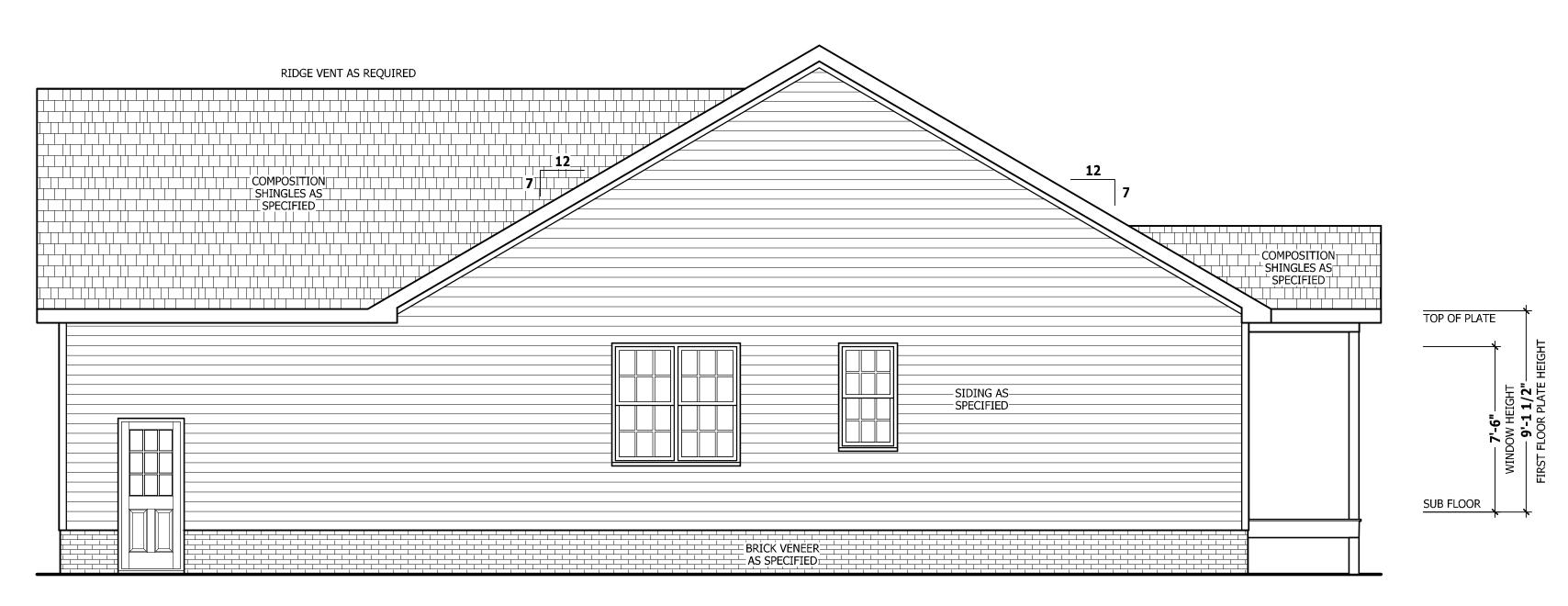
**REAR ELEVATION** 

SCALE 1/4" = 1'-0"

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# **LEFT SIDE ELEVATION**

SCALE 1/4" = 1'-0"



# RIGHT SIDE ELEVATION

SCALE 1/4" = 1'-0"

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**ELEVATIONS RIGHT** 

Š

LEFT

**Amherst** 



 SQUARE FOOTAGE

 HEATED
 FIRST FLOOR
 1608 SQ.FT.

 FIRST FLOOR
 1608 SQ.FT.
 1608 SQ.FT.

 UNHEATED
 FRONT PORCH
 110 SQ.FT.

 FRONT PORCH
 110 SQ.FT.
 GARAGE

 REAR PORCH
 51 SQ.FT.
 TOTAL

 G45 SQ.FT.
 645 SQ.FT.

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**Amherst** 

SQUARE FOOTAGE HEATED

TOTAL
UNHEATED
FRONT PORCH
GARAGE
REAR PORCH

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WALL SLAB PLA
Amherst

ng Company, LLC Sin Acres Road

EQUIPME FOREST, NC 27588 919-435-6180 Fax 1-866-491-0396

 SQUARE FOOTAGE

 HEATED
 1608 SQ.FT.

 FIRST FLOOR
 1608 SQ.FT.

 TOTAL
 1608 SQ.FT.

 UNHEATED
 110 SQ.FT.

 FRONT PORCH
 110 SQ.FT.

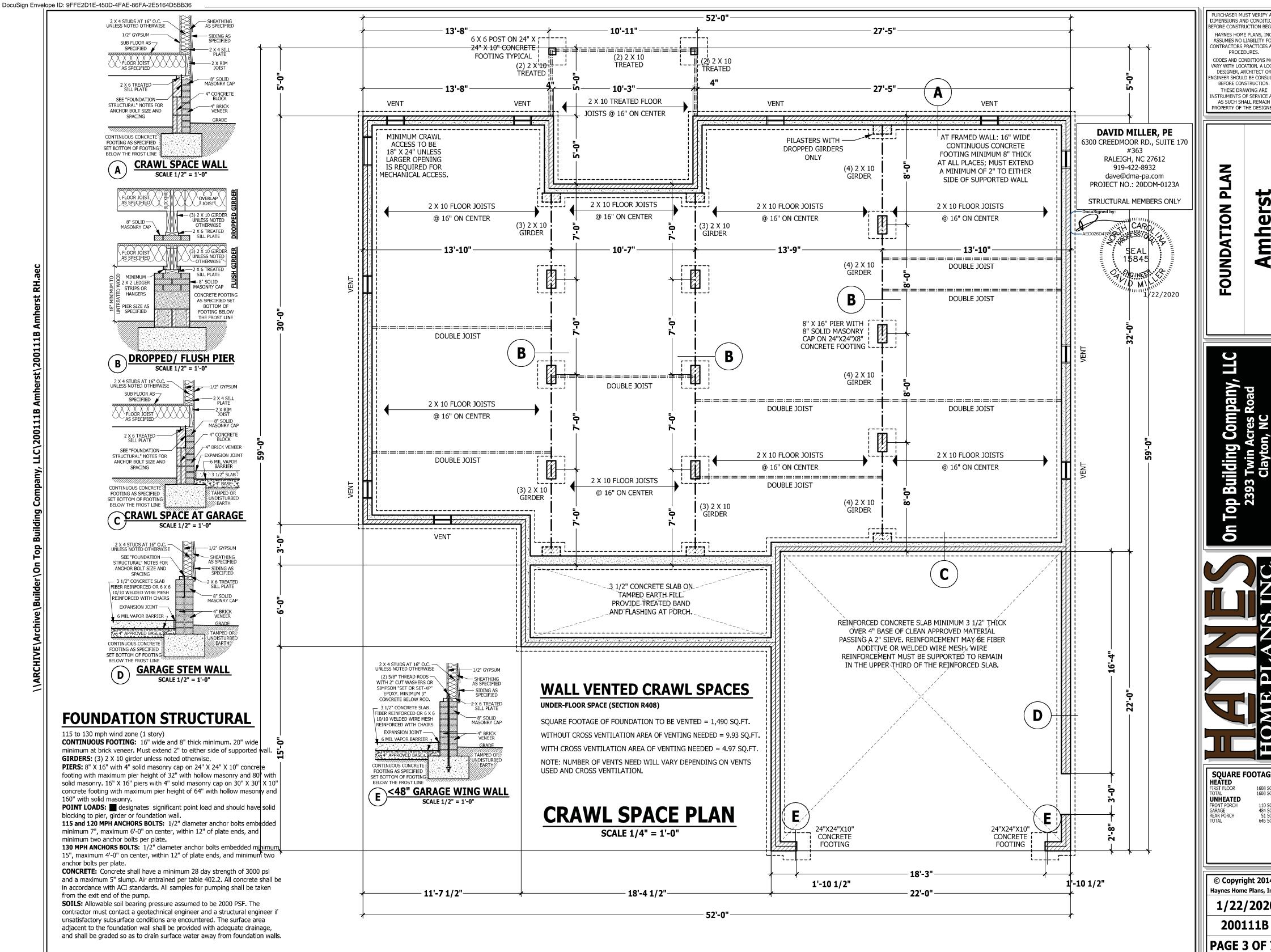
 GARAGE
 484 SQ.FT.

 REAR PORCH
 51 SQ.FT.

 TOTAL
 645 SQ.FT.

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> PLAN Amherst

SQUARE FOOTAGE HEATED TOTAL
UNHEATED
FRONT PORCH
GARAGE
REAR PORCH

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PAGE 3 OF 7

**SEPARATION** 

required by this section.

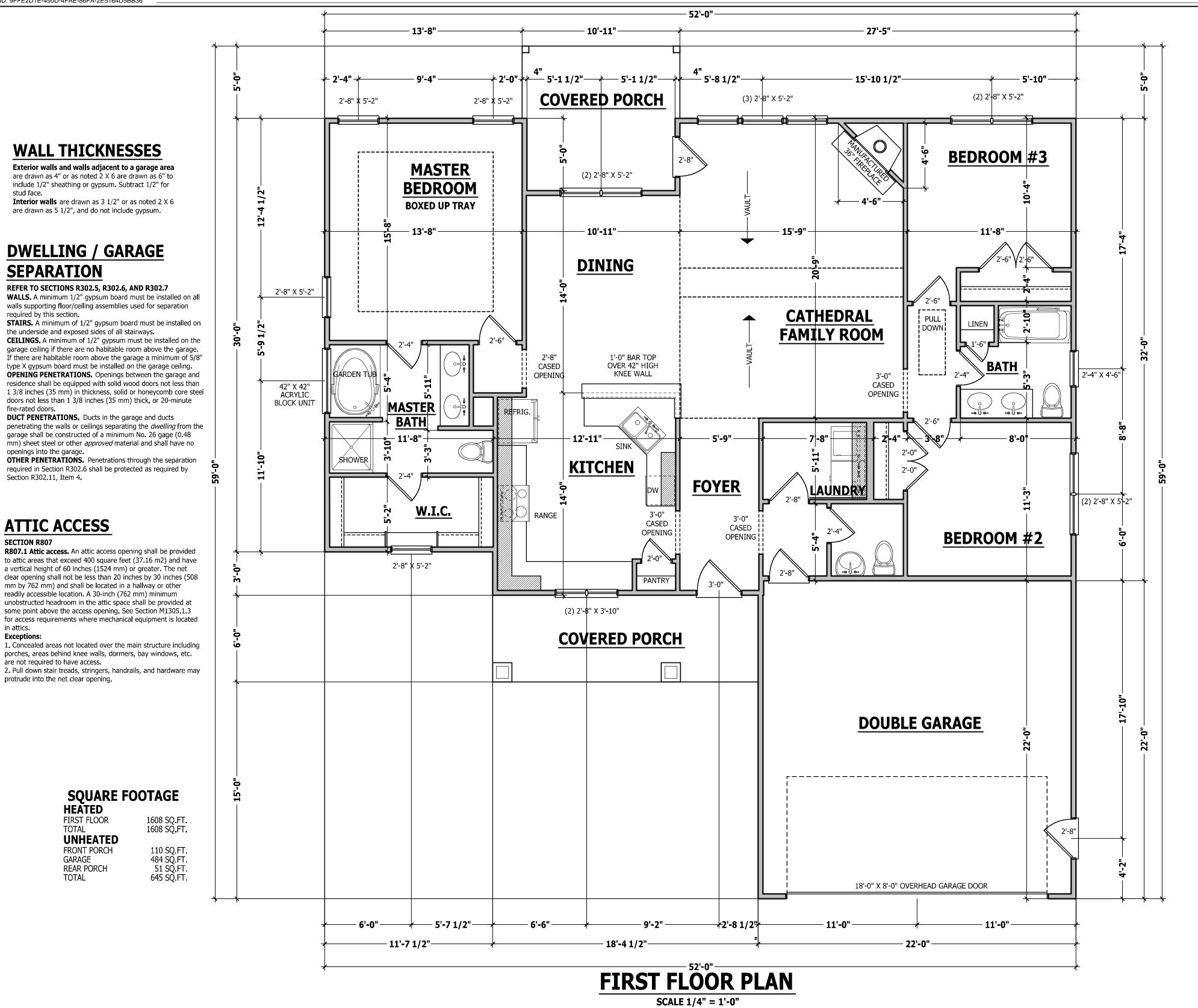
fire-rated doors.

Section R302.11, Item 4.

are not required to have access.

HEATED

GARAGE REAR PORCH TOTAL



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> **PLAN Amherst** FLOOR

**FIRST** 

 SQUARE FOOTAGE

 HEATED
 1608 SQ.FT.

 FIRST FLOOR
 1608 SQ.FT.

 TOTAL
 1608 SQ.FT.

 UNHEATED
 FRONT PORCH
 110 SQ.FT.

 GARAGE
 484 SQ.FT.

 REAR PORCH
 51 SQ.FT.

 TOTAL
 645 SQ.FT.

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## **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 contractors 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.

DECTON LOADS			I
DESIGN LOADS	LIVE LOAD	DEAD LOAD	DEFLECTION
USE	(PSF)	(PSF)	(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 other wise. **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.

## **BRACE WALL PANEL NOTES**

**CONCRETE AND SOILS:** See foundation 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 gypsum to be fastened per table R702.3.5. Method GB to be fastened per table R602.10.1.

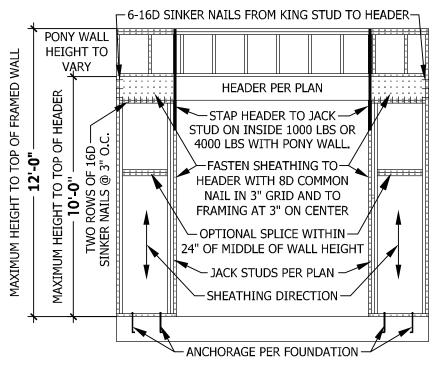
**REQUIRED LENGTH OF BRACING:** Required brace wall length for each side of the circumscribed rectangle are interpolated per table R602.10.3. Methods CS-WSP and CS-SFB contribute their actual length. Method GB contributes 0.5 it's actual length. Method PF contributes 1.5 times its actual length.

**HD:** 800 lbs hold down hold down device fastened to the edge of the brace wall panel closets 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

**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 minimum 5d cooler nails or #6 screws. **PF**: Portal fame per figure R602.10.1



## PORTAL FRAME AT OPENING

METHOD PF PER FIGURE AND SECTION R602.10.1 ) SCALE 1/4" = 1'-0"

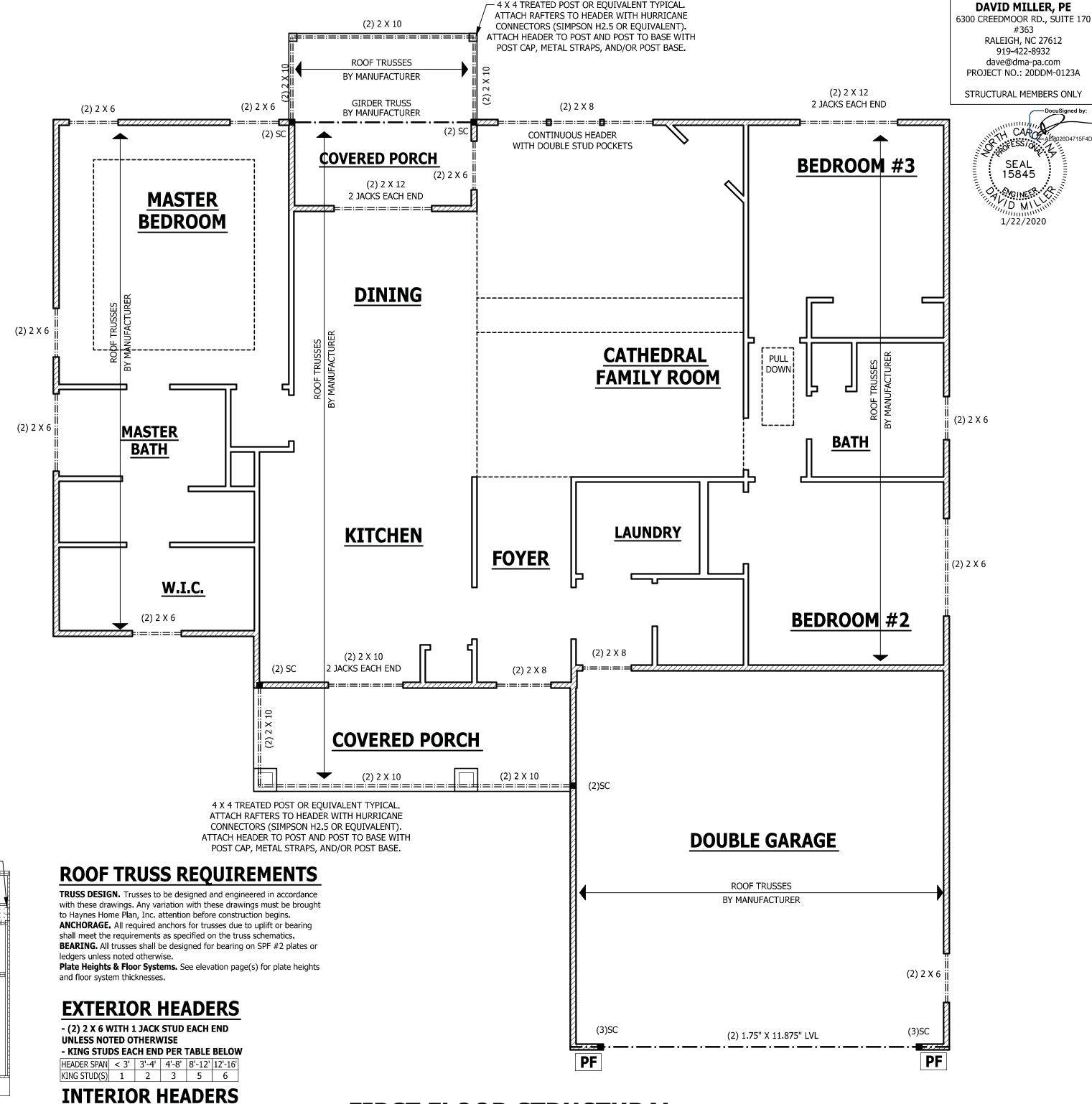
- LOAD BEARING HEADERS (2) 2 X 6 WITH

1 JACK STUD AND 1 KING STUD EACH END

- NON LOAD BEARING HEADERS TO BE

**UNLESS NOTED OTHERWISE** 

LADDER FRAMED



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> STRUCTURAL **Amherst** FLOOR **FIRST**

SQUARE FOOTAGE HEATED

UNHEATED Garage Rear Porch

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

FIRST FLOOR STRUCTURAL

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> **Amherst ROOF PLAN**



 SQUARE FOOTAGE

 HEATED

 FIRST FLOOR
 1608 SQ.FT.

 TOTAL
 1608 SQ.FT.

 UNHEATED
 110 SQ.FT.

 FRONT PORCH
 110 SQ.FT.

 GARAGE
 484 SQ.FT.

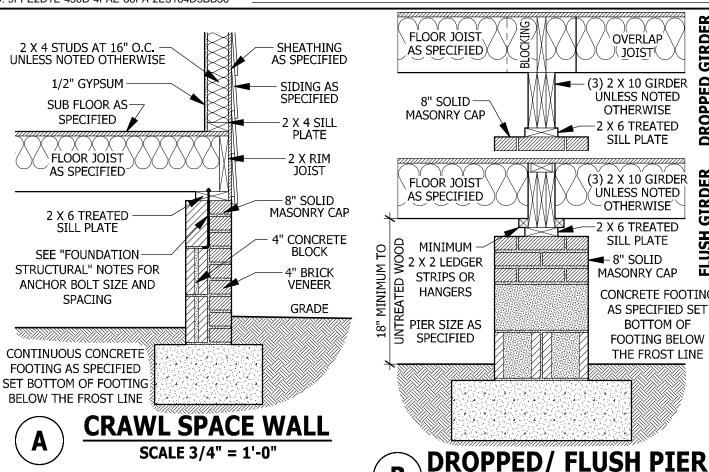
 REAR PORCH
 51 SQ.FT.

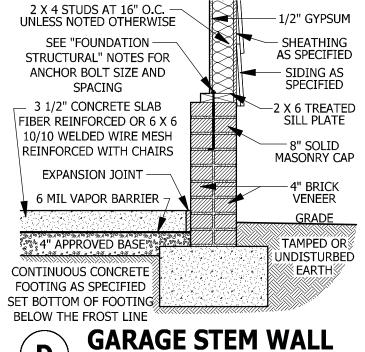
 TOTAL
 645 SQ.FT.

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# **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.

SCALE 3/4" = 1'-0"

## **DECK BRACING**

AM109.1 Deck bracing. Decks shall be braced to provide lateral stability. The following are acceptable means to

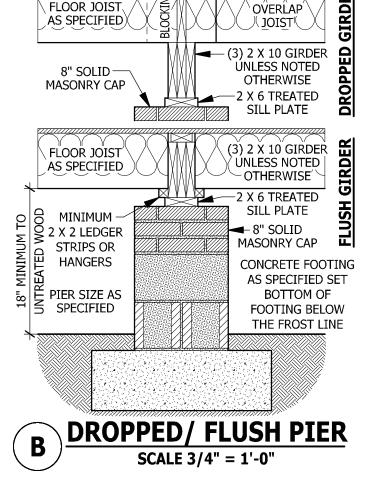
attached to the structure in accordance with Section AM104, lateral bracing is not required.

attach to each post at a point not less than 1/3 of the post horizontal. Knee braces shall be bolted to the post and the galvanized bolt with nut and washer at both ends of the brace per Figure AM109.1

POST SIZE	MĂX 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

AM109.1.5. For embedment of piles in Coastal Regions, see Chapter 45.



2 X 4 STUDS AT 16" O.C.

UNLESS NOTED OTHERWISE

SUB FLOOR AS—

SPECIFIED

FLOOR JOIST

AS SPECIFIED

2 X 6 TREATED SILL PLATE

SEE "FOUNDATION

STRUCTURAL" NOTES FOR

ANCHOR BOLT SIZE AND

SPACING

CONTINUOUS CONCRETE

FOOTING AS SPECIFIED

SET BOTTOM OF FOOTING

BELOW THE FROST LINE

2 X TREATED-

HOUSE BAND

SUB FLOOR AS

SPECIFIED

FLOOR JOIST AS SPECIFIED

2 X 6 TREATED SILL PLATE

8" CONCRETE BLOCK

TAMPED OR

-1/2" GYPSUM

PLATE

-2 X RIM

JOIST

8" SOLID

MASONRY CAP

4" CONCRETE

-6 MIL VAPOR

BARRIER

3 1/2" SLAB

ั๊ร์ ั้ 4" BASEเร็ง

TAMPED OR

**JNDISTURBED** 

- COBBLED BRICK

FOR SLAB SUPPORT

TREATED GIRDER

AS SPECIFIED

AS SPECIFIED

**GRADE** 

8 X 16 VEN7

GRADE

**CRAWL SPACE AT GARAGE** 

SCALE 3/4" = 1'-0"

- 2 X 4 STUDS AT 16" O.C. JNLESS NOTED OTHERWIS

- 2 X 4 SOLE PLATE

FLASHING MINIMUM 16" WIDE

3 1/2" CONCRETE SLAB

CONTINUOUS CONCRETE

SET BOTTOM OF FOOTING

 ${ackslash}$  FILLED PORCH SECTION WITH VENT

WITH (2) 1/2" HOT-DIPPED

GALVANIZED BOLTS

5/4 X 6 OR 2 X 4 TREATED

DECKING MINIMUM 1/4" GAP BETWEEN DECKING

FLASHING

OR TREATED 2 X 2 LEDGER

5/8" HOT-DIPPED GALVANIZED

BOLTS AT 1'-8" O.C. MINIMUM : 1/2" FROM EDGE WITH (3) 120

GALVANIZED NAILS AT 6" O.C

FOOTING SIZED PER

FOUNDATION PLAN

SET BOTTOM OF

FOOTING BELOW

**SMOKE ALARMS** 

equipment provisions of NFPA 72.

requirements of Section R314.4.

1. In each sleeping room.

DECK ATTACHMENT

SCALE 1/2" = 1'-0"

**R314.1 Smoke detection and notification.** All smoke alarms shall be

listed in accordance with UL 217 and installed in accordance with

**R314.2 Smoke detection systems.** Household fire alarm systems

a combination of smoke detector and audible notification device

installed as required by this section for smoke alarms, shall be

installed in accordance with NFPA 72 that include smoke alarms, or

permitted. The household fire alarm system shall provide the same

level of smoke detection and alarm as required by this section for

smoke alarms. Where a household fire warning system is installed

device(s), it shall become a permanent fixture of the occupancy and

approved supervising station and be maintained in accordance with

owned by the homeowner. The system shall be monitored by an

R314,3 Location. Smoke alarms shall be installed in the following

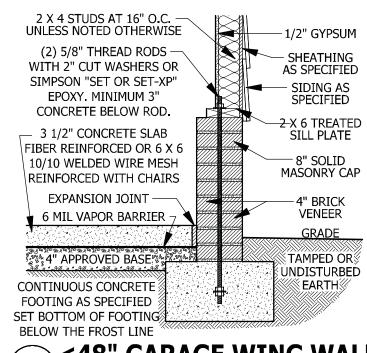
2. Outside each separate sleeping area in the immediate vicinity of

**Exception:** Where smoke alarms are provided meeting the

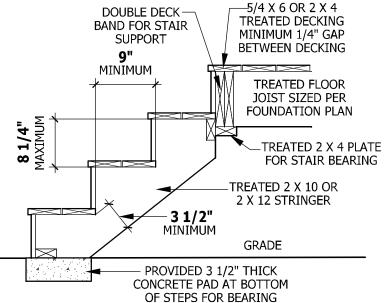
using a combination of smoke detector and audible notification

the provisions of this code and the household fire warning

FOUNDATION PLAN







## FIGURE AM110 TYPICAL DECK STAIR DETAIL

SCALE 3/4" = 1'-0"

STONE VEENER

## **WEEP SCREEDS**

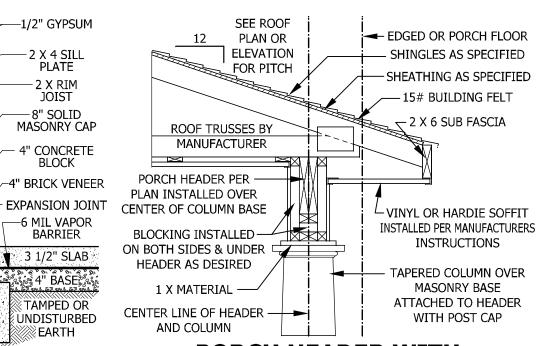
shall cover and terminate on the

attachment flange of the weep screed.

All weep screeds and stone veneer to be installed per manufactures instructions and per the 2012 North Carolina Residential Building code.

the bedrooms. **R703.6.2.1 -** A minimum 0.019-inch (0.5 3. On each additional *story* of the *dwelling*, including *basements* and habitable attics (finished) but not including crawl spaces, mm) (No. 26 galvanized sheet gage), uninhabitable (unfinished) attics and uninhabitable (unfinished) corrosion-resistant weep screed or plastic attic-stories. In *dwellings* or *dwelling units* with split levels and weep screed, with a minimum vertical without an intervening door between the adjacent levels, a smoke attachment flange of 31/2 inches (89 mm) alarm installed on the upper level shall suffice for the adjacent shall be provided at or below the lower level provided that the lower level is less than one full story foundation plate line on exterior stud walls below the upper level. in accordance with ASTM C 926. The weep When more than one smoke alarm is required to be installed within screed shall be placed a minimum of 4 inches (102 mm) above the earth or 2 in such a manner that the actuation of one alarm will activate all of

the alarms in the individual unit. **R314.4 Power source.** Smoke alarms shall receive their primary power from the building wiring when such wiring is served from a building. The weather-resistant barrier shall commercial source, and when primary power is interrupted, shall lap the attachment flange. The exterior lath receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for overcurrent protection. Smoke alarms shall be interconnected.



## **PORCH HEADER WITH TAPERED COLUMN**

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

# **CARBON MONOXIDE ALARMS**

R315.1 Carbon monoxide alarms. In new construction, dwelling units shall be provided with an approved carbon monoxide alarm installed outside of each separate sleeping area in the immediate vicinity of the bedroom(s) as directed by the alarm manufacturer,

**R315.2 Where required in existing dwellings.** In existing dwellings, where interior alterations, repairs, fuel-fired appliance replacements, or additions requiring a permit occurs, or where one or more sleeping rooms are added or created, carbon monoxide alarms shall be provided in accordance with Section

R315.3 Alarm requirements. The required carbon monoxide alarms shall be audible in all bedrooms over background noise levels with all intervening doors closed. Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions.

## **STAIRWAY NOTES**

R311.7.2 Headroom. The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2032 mm) measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on that portion of the stairway.

**R311.7.4 Stair treads and risers.** Stair treads and risers shall meet the requirements of this section. For the purposes of this section all dimensions and dimensioned surfaces shall be exclusive of carpets, rugs or runners. R311.7.4.1 Riser height. The maximum riser height shall be 8 1/4 inches (210 mm). The riser shall be measured vertically between leading edges of the adjacent treads.

R311.7.4.2 Tread depth. The minimum tread depth shall be 9 inches (229 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. Winder treads shall have a minimum tread depth of 9 inches (229 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 4 inches (102 mm) at any point.

R311.7.4.3 Profile. The radius of curvature at the nosing shall be no greater than 9/16 inch (14 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1 1/4 inches (32 mm) shall be provided on stairways with solid

**R311.7.7 Handrails.** Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers.

R311.7.7.1 Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches (864 mm)and not more than 38 inches (965 mm).

1. The use of a volute, turnout or starting easing shall be allowed over the lowest tread.

2. When handrail fittings or bendings are used to provide continuous transition between flights, the transition from handrail to guardrail, or used at the start of a flight, the handrail height at the fittings or bendings shall be permitted to exceed the maximum height.

R311.7.7.2 Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails an individual *dwelling* unit the alarm devices shall be interconnected adjacent to a wall shall have a space of not less than 11/2 inch (38 mm) between the wall and the handrails.

#### Exceptions:

1. Handrails shall be permitted to be interrupted by a newel post. 2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

3. Two or more separate rails shall be considered continuous if the termination of the rails occurs within 6 inches (152 mm) of each other. If transitioning between a wall-mounted handrail and a guardrail/handrail, the wall-mounted rail must return into the wall.

ELEVATION PAGES INSULATION BAFFLE (2) 2 X 4 TOP PLATE - 1/2" GYPSUM 1 X 8 FASCIA WALL INSULATION -PER CLIMATE ZONE SOFFIT SEE CODE NOTE ON SOFFIT VENTING **ELEVATION PAGES** OPTIONAL 1 X 4 FRIEZE 3/4" SUBFLOOR 2 X 4 SILL PLATE SHEATHING AS SPECIFIED SIDING AS SPECIFIED L∕ÓOR TRUSSES AS SPECIFIED (2) 2 X 4 TOP PLATE - 1/2" GYPSUM 2 X 4 STUDS AT WALL INSULATION PER 16" ON CENTER CLIMATE ZONE SEE CODE **UNLESS NOTED** NOTE ON ELEVATION PAGES OTHERWISE 2 X 4 STUDS AT 16" O.C. SHEATHING UNLESS NOTED OTHERWISE AS SPECIFIED 1/2" GYPSUM SIDING AS SPECIFIED SUB FLOOR AS-SPECIFIED 2 X 4 SILL PLATE FLOOR JOIST 2 X RIM AS SPECIFIED JOIST 2 X 6 TREATED MASONRY CAP SILL PLATE **1" CONCRETE** BLOCK SEE "FOUNDATION STRUCTURAL" NOTES FOR 4" BRICK ANCHOR BOLT SIZE AND VENEER SPACING **GRADE** CONTINUOUS CONCRETE FOOTING AS SPECIFIED SET BOTTOM OF FOOTING

PITCH PER ROOF PLAN

OR ELEVATIONS

ROOF INSULATION

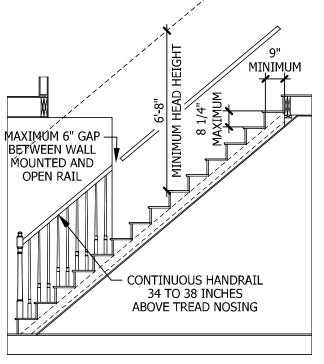
PER CLIMATE ZONE

SEE CODE NOTE ON

- SHINGLES AS SPECIFIED

-15# BUILDING FELT

-SHEATHING AS SPECIFIED



TYPICAL STAIR DETAIL

SQUARE FOOTAGE HEATED 1608 SQ.FT 1608 SQ.FT UNHEATED

PURCHASER MUST VERIFY ALL

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**DETAIL** 

**TYPICAL** 

On Top Bull 2393

200111B

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

Garage Rear Porch

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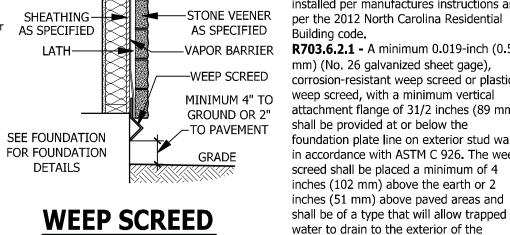
provide lateral stability. AM109.1.1. When the deck floor height is less than 4'-0" above finished grade per Figure AM109 and the deck is

AM109.1.2. 4 x 4 wood knee braces may be provided on each column in both directions. The knee braces shall length from the top of the post, and the braces shall be angled between 45 degrees and 60 degrees from the girder/double band with one 5/8 inch hot dipped

**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"	
AM100 1 4 2 v 6 diagonal vertical cross bracing may					

each bracing member per Figure AM109.3.



SCALE 3/4" = 1'-0"