

**PLANS DESIGNED TO THE
2018 NORTH CAROLINA STATE
RESIDENTIAL BUILDING CODE**

MEAN ROOF HEIGHT: 19'-9" HEIGHT TO RIDGE: 27'-5"

CLIMATE ZONE	ZONE 3A	ZONE 4A	ZONE 5A
FENESTRATION U-FACTOR	0.35	0.35	0.35
SOLIGHT U-FACTOR	0.55	0.55	0.55
GLAZED FENESTRATION SHGC	0.30	0.30	0.30
CEILING R-VALUE	38 or 30d	38 or 30d	38 or 30d
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

**1013* MEANS R-10 SHEATHING INSULATION OR R-13 CAVITY INSULATION
** INSULATION DEPTH WITH MINIMUM SLAB 2" OR FROM INSPECTION GAP TO BOTTOM OF FOOTING. INSULATION DEPTH WITH STEM WALL SLAB 2" OR TO BOTTOM OF FOUNDATION WALL

DESIGNED FOR WIND SPEED OF 130 MPH, 3 SECOND GUST (93 FASTEST MILE) EXPOSURE 'B'

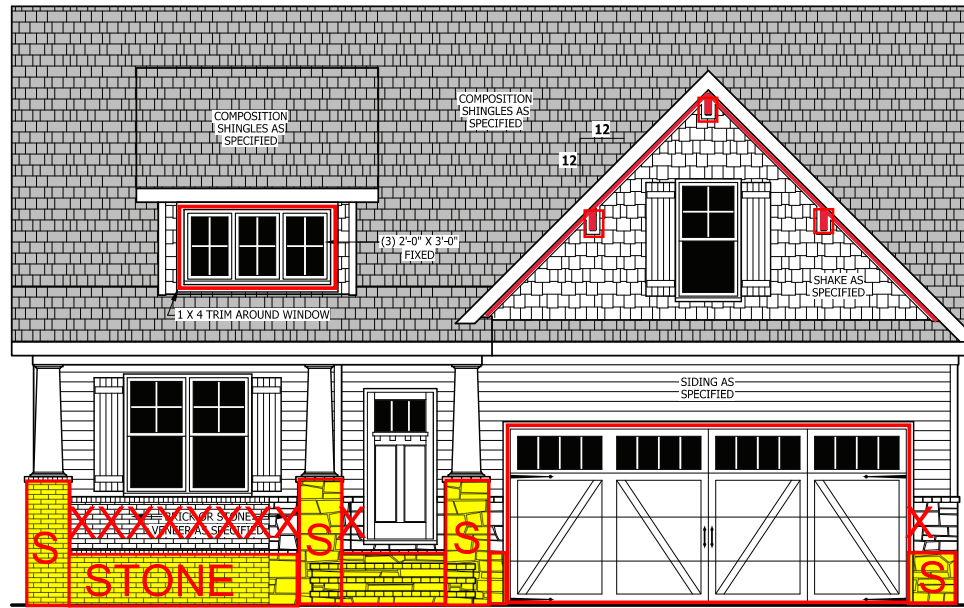
COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS

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
ZONE 2	14.2	-18.0	14.9	-18.9
ZONE 3	14.2	-18.0	14.9	-18.9
ZONE 4	15.5	-16.0	16.3	-16.8
ZONE 5	15.5	-20.0	16.3	-21.0

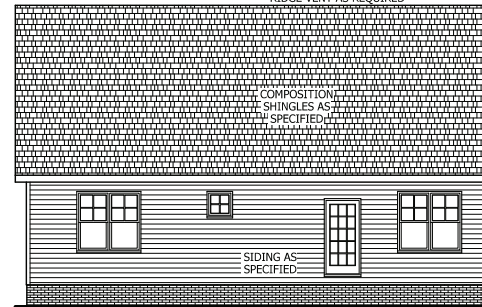
DESIGNED FOR WIND SPEED OF 130 MPH, 3 SECOND GUST (101 FASTEST MILE) EXPOSURE 'B'

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	16.7	-18.0	17.5	-18.9
ZONE 2	16.7	-21.0	17.5	-22.1
ZONE 3	16.7	-21.0	17.5	-22.1
ZONE 4	18.2	-19.0	19.1	-20.0
ZONE 5	18.2	-24.0	19.1	-25.2



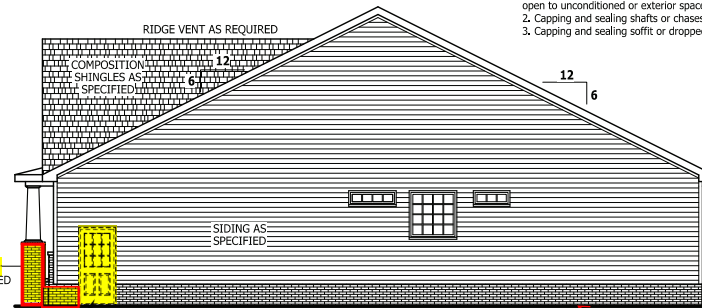
FRONT ELEVATION - A
SCALE 1/4" = 1'-0"



REAR ELEVATION
SCALE 1/8" = 1'-0"



LEFT SIDE ELEVATION
SCALE 1/8" = 1'-0"



RIGHT SIDE ELEVATION
SCALE 1/8" = 1'-0"

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 (153 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.

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 R802.2.

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:

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 = 2,477 SQ.FT.

NET FREE CROSS VENTILATION REQUIRED:

WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 16.51 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 = 8.26 SQ.FT.

Mitchell Manor
Lot 2
107 Mitchell Manor Dr
Angier, NC

3 CAR GARAGE
REAR COV. PORCH

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 INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

ELEVATION - A
The Lauren III

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SQUARE FOOTAGE

HEATED	
FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
CAROLINA ROOM	148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	
FRONT PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	160 SQ.FT.
DECK OR PATIO	108 SQ.FT.
TWO GARAGE	292 SQ.FT.
TOTAL	560 SQ.FT.

AIR LEAKAGE

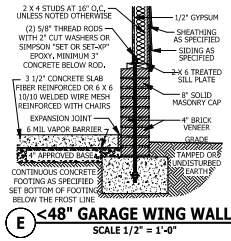
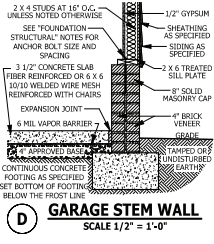
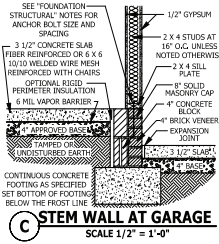
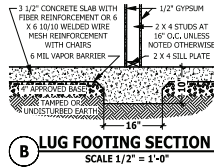
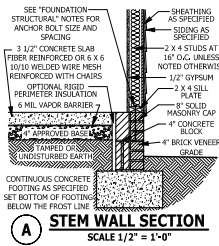
Section N1102.4.1

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 striped 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.

Electrical: Pioneer Electric
HVAC: Carolina Comfort
Plumbing: Double J

SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
CAROLINA ROOM	148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	
FRONT PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	160 SQ.FT.
DECK OR PATIO	108 SQ.FT.
TWO GARAGE	292 SQ.FT.
TOTAL	560 SQ.FT.

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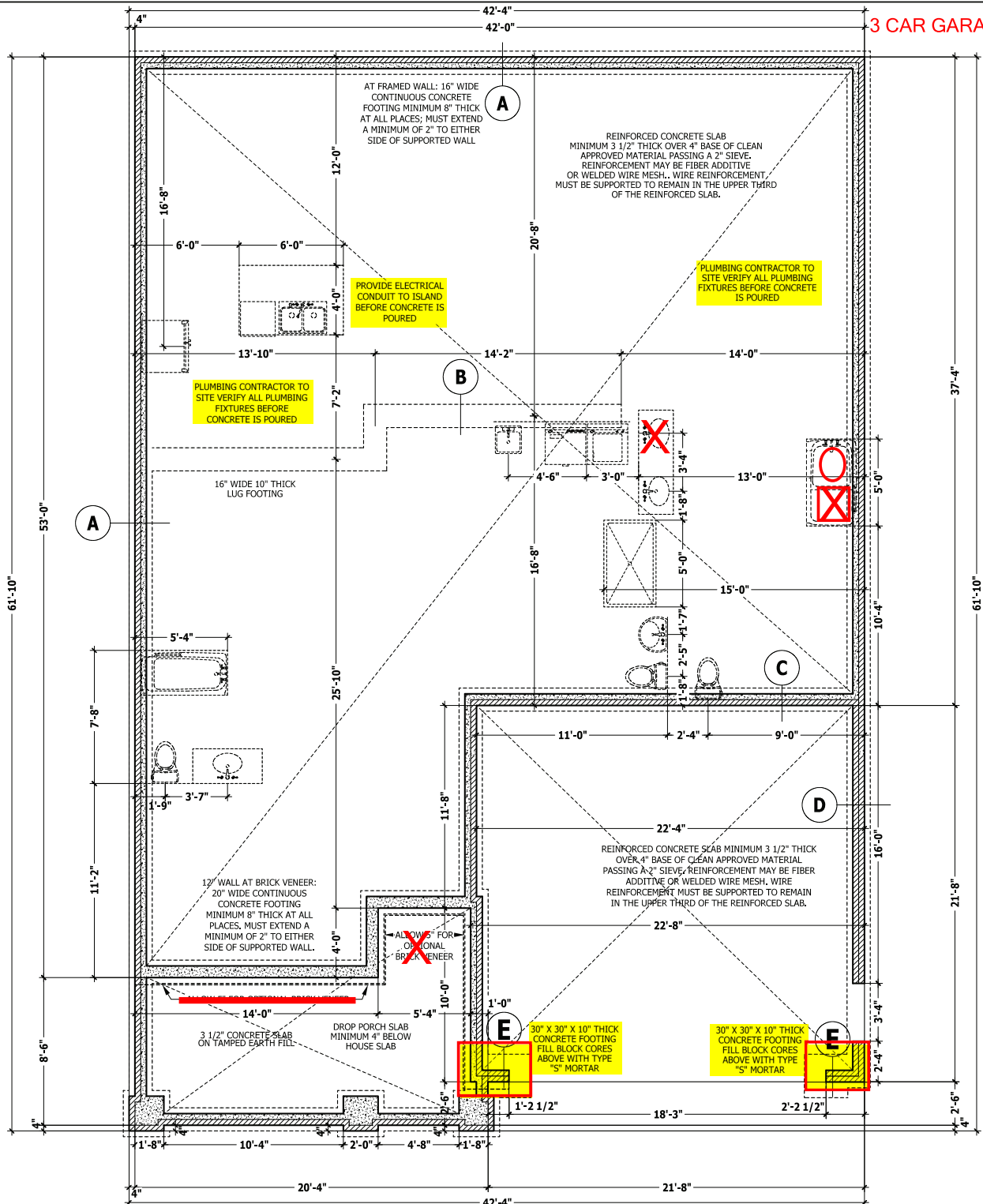


FOUNDATION STRUCTURAL

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.

STEM WALL SLAB PLAN

SCALE 1/4" = 1'-0"



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STEM WALL SLAB PLAN

The Lauren III

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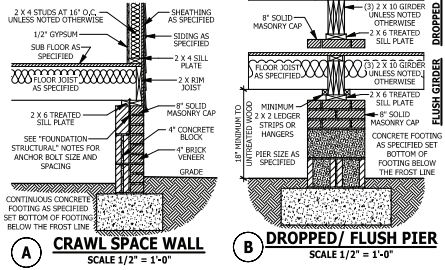
SQUARE FOOTAGE	
HEATED	FIRST FLOOR 1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	CARLINE/HOTW 148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	PORCH 188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	SCREENED PORCH 105 SQ.FT.
DECK OR PATIO	108 SQ.FT.
THIRD GARAGE	203 SQ.FT.
TOTAL	960 SQ.FT.

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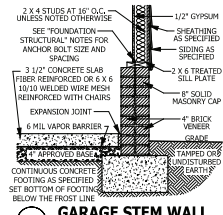
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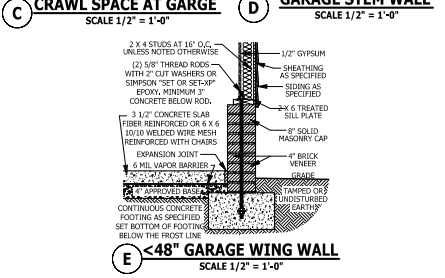
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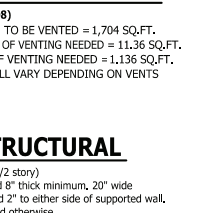
A CRAWL SPACE WALL
SCALE 1/2" = 1'-0"



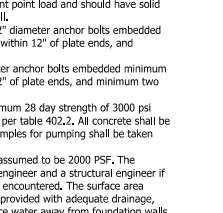
B DROPPED/ FLUSH PIER
SCALE 1/2" = 1'-0"



C CRAWL SPACE AT GARAGE
SCALE 1/2" = 1'-0"



D GARAGE STEM WALL
SCALE 1/2" = 1'-0"



E <48" GARAGE WING WALL
SCALE 1/2" = 1'-0"

WALL VENTED CRAWL SPACES

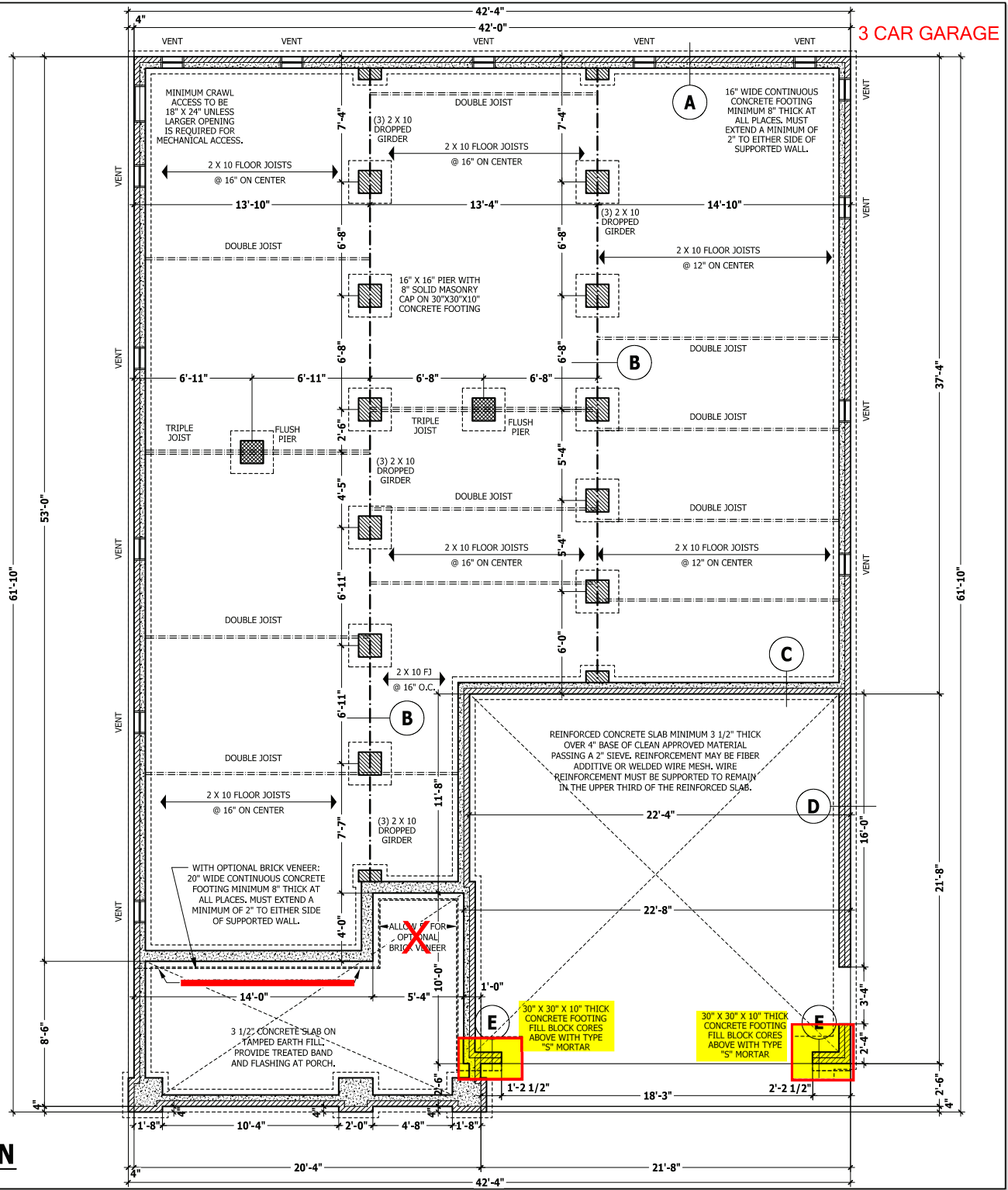
UNDER-FLOOR SPACE (SECTION R408)
 SQUARE FOOTAGE OF FOUNDATION TO BE VENTED = 1,704 SQ.FT.
 WITHOUT CROSS VENTILATION AREA OF VENTING NEEDED = 11.36 SQ.FT.
 WITH CROSS VENTILATION AREA OF VENTING NEEDED = 1.136 SQ.FT.
 NOTE: NUMBER OF VENTS NEED WILL VARY DEPENDING ON VENTS USED AND CROSS VENTILATION.

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 from the east 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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CRAWL SPACE PLAN
The Lauren III

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SQUARE FOOTAGE HEATED	
FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
CARPORT/HOCH	148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	
FRONT PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	105 SQ.FT.
DECK OR PATIO	108 SQ.FT.
THIRD GARAGE	293 SQ.FT.
TOTAL	506 SQ.FT.

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DWELLING / GARAGE SEPARATION

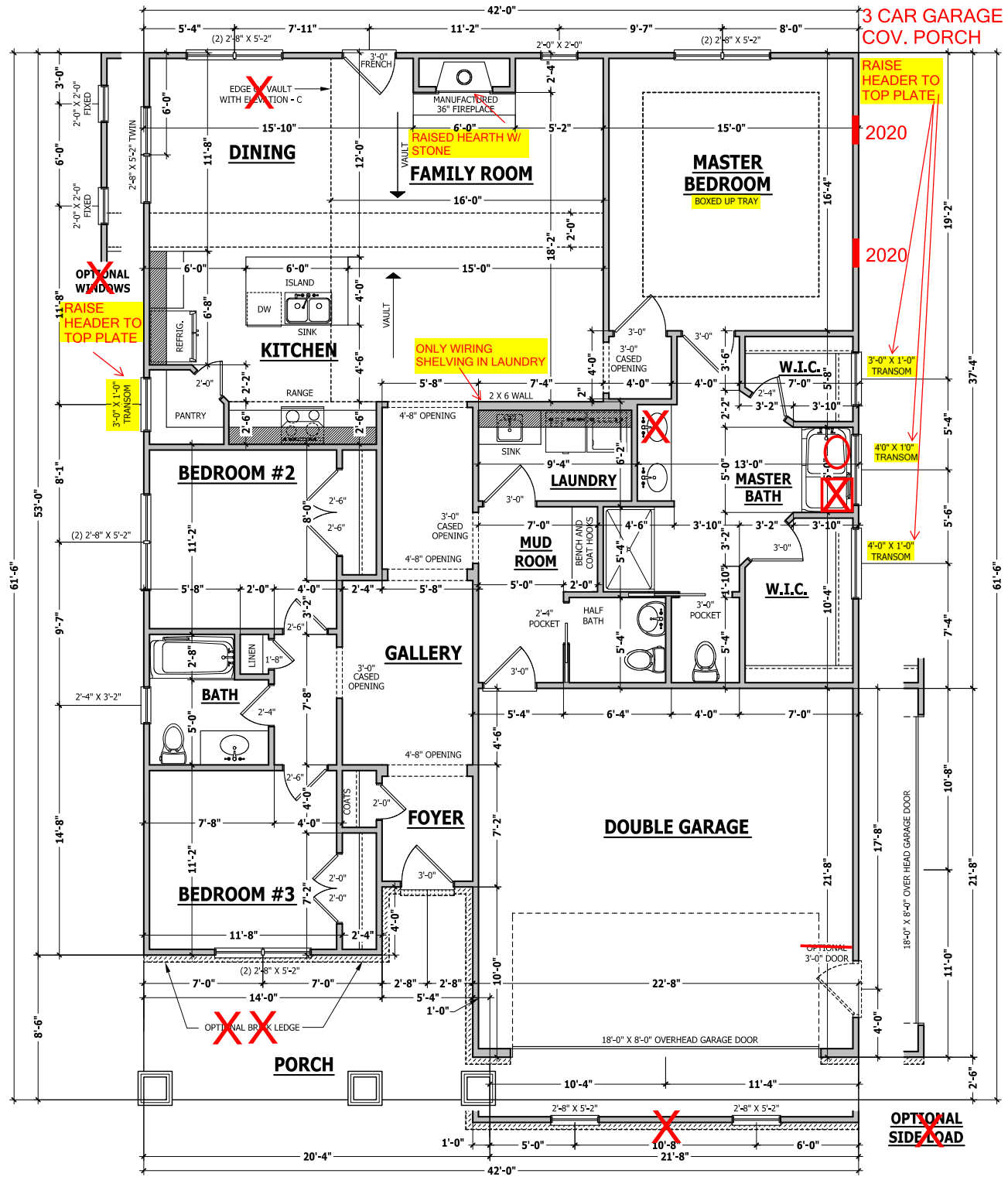
REFER TO SECTIONS R302.5, R302.6, AND R302.7
WALLS. A minimum 1/2" gypsum board must be installed on all walls supporting floor/ceiling assemblies used for separation required by this section.
STAIRS. A minimum of 1/2" gypsum board must be installed on the underside and exposed sides of all stairways.
CEILINGS. A minimum of 1/2" gypsum must be installed on 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.

SQUARE FOOTAGE

HEATED	
FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
CAROLINA ROOM	148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	
FRONT PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	160 SQ.FT.
DECK OR PATIO	108 SQ.FT.
THIRD GARAGE	292 SQ.FT.
TOTAL	560 SQ.FT.

FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"



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FIRST FLOOR PLAN
 The Lauren III

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SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
CAROLINA ROOM	148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	
FRONT PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	160 SQ.FT.
DECK OR PATIO	108 SQ.FT.
THIRD GARAGE	292 SQ.FT.
TOTAL	560 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 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 (L)
Attics without storage	10	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.

ENGINEER WOOD BEAMS

Laminated veneer lumber (LVL) = Fb=2600 PSI, Fv=285 PSI, E=1.9x10⁶ PSI
Parallel strand lumber (PSL) = Fb=2900 PSI, Fv=299 PSI, E=2.0x10⁶ PSI
Laminated strand lumber (LSL) = Fb=2250 PSI, Fv=400 PSI, E=1.5x10⁶ PSI
Install all connections per manufacturer instructions.

TRUSS AND I-JOIST MEMBERS:

All roof truss and I-joint layouts shall be prepared in accordance with this document. Trusses and I-joints shall be installed according to the manufacturer's specifications. Any change in truss or I-joint layout shall be coordinated with Haynes Home 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.

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 Plans, Inc. attention before construction begins.

KNEE WALL AND CEILING HEIGHTS: All finished knee wall heights and ceiling heights are 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. 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.

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 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 triangle 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 cassettes to the corner.

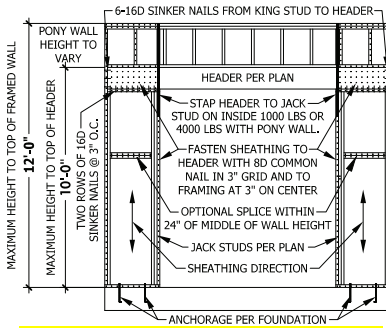
Methods Per Table R602.10.1

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 minimum 5d cooler nails or #6 screws.

PF: Portal frame per figure R602.10.1



PF PORTAL FRAME AT OPENING
(METHOD PF PER FIGURE AND SECTION R602.10.1)
SCALE 1/4" = 1'-0"

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

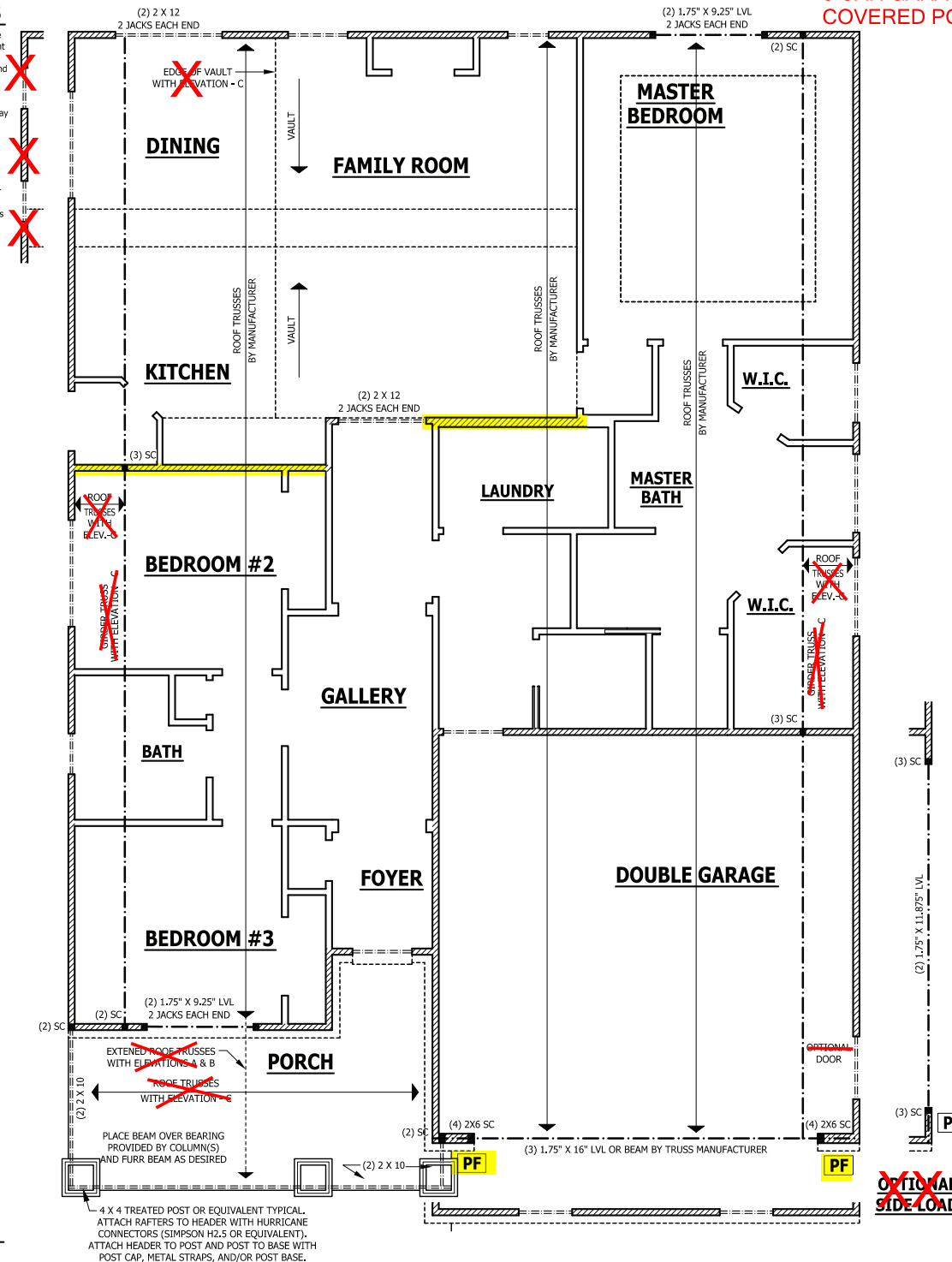
- LOAD BEARING HEADERS (2) 2 X 6 WITH 1 JACK STUD AND 1 KING STUD EACH END

UNLESS NOTED OTHERWISE

- NON LOAD BEARING HEADERS TO BE LADDER FRAMED

FIRST FLOOR STRUCTURAL

SCALE 1/4" = 1'-0"



3 CAR GARAGE COVERED PORCH

~~OPTIONAL SIDE LOAD~~

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

FIRST FLOOR STRUCTURAL
The Lauren III

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P.O. Box 702, Wake Forest, NC 27588 919.435.4180 FAX: 919.435.4099

HAYNES HOME PLANS, INC.
HOME PLANS, INC.

SQUARE FOOTAGE HEATED	
FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
CARPORT PORCH	148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	
FRONT PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	108 SQ.FT.
DECK OR PATIO	108 SQ.FT.
TWO GARAGE	560 SQ.FT.
TOTAL	776 SQ.FT.

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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 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. Any variation due to these conditions not being met is the responsibility of the truss manufacturer.

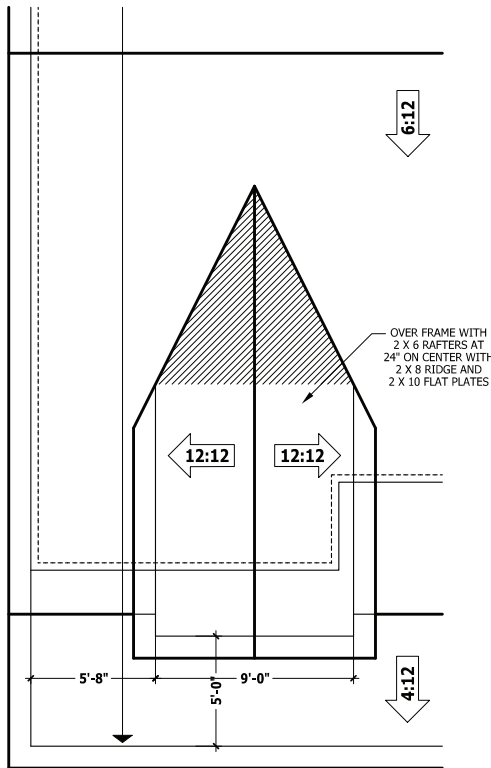
ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics.

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

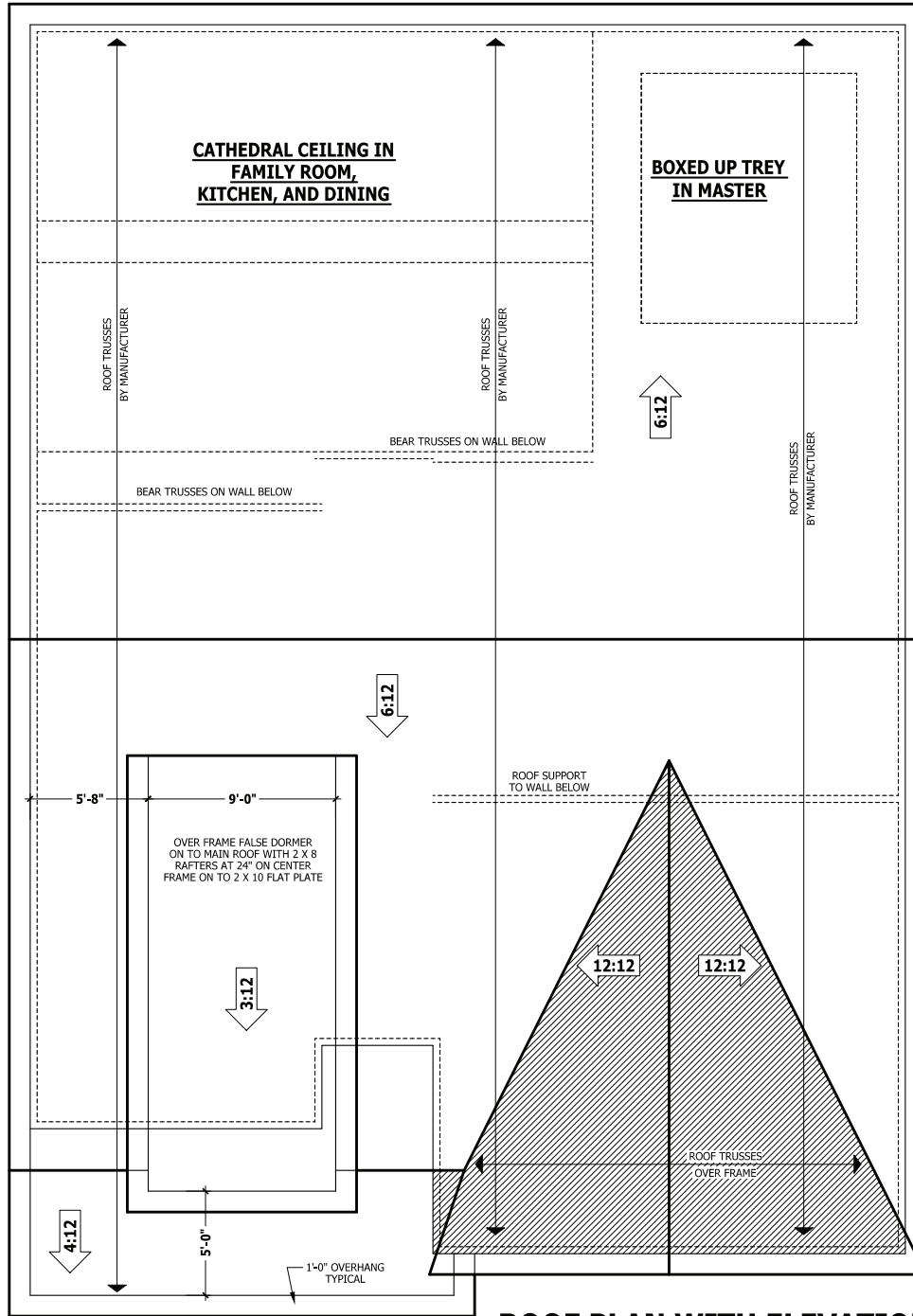
Plate Heights & Floor Systems. See elevation page(s) for plate heights and floor system thicknesses.

● HEEL HEIGHT ABOVE FIRST FLOOR PLATE

● HEEL HEIGHT ABOVE SECOND FLOOR PLATE



~~DORMER WITH ELEVATION - B~~



DORMER WITH ELEVATION - A

ROOF PLAN WITH ELEVATIONS - A & B

SCALE 1/4" = 1'-0"

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 INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

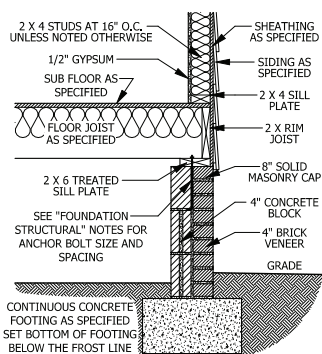
ROOF PLAN WITH ELEVATIONS - A & B

The Lauren III

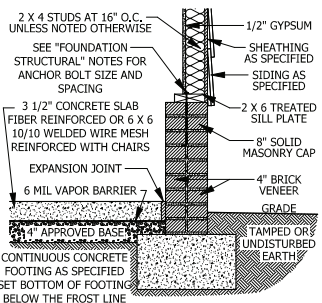
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 P.O. Box 702, Wake Forest, NC 27588 919.435.4180 FAX 919.435.4180

SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
CAROLINA ROOM	148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	
PORCH PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	108 SQ.FT.
DECK OR PATIO	108 SQ.FT.
THIRD GARAGE	108 SQ.FT.
TOTAL	324 SQ.FT.

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



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

DECK STAIR NOTES

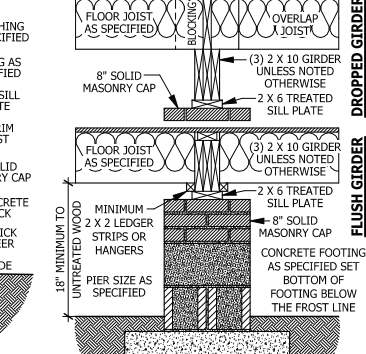
SECTION AM110
AM110.1 Stairs shall be constructed per Figure AM110. Stringer spans shall be no greater than 7 foot span between supports. Spacing between stringers shall be based upon decking material used per AM107.1. Each Stringer shall have minimum 3/2 inches between step cut and back of stringer.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

DECK BRACING

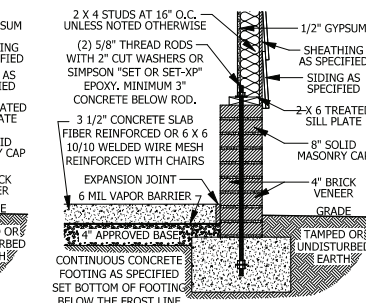
SECTION AM109
AM109.1 Deck bracing. Decks shall be braced to provide lateral stability. The following are acceptable means to provide lateral stability.
AM109.1.1, When the deck floor height is less than 4'-0" above finished grade per Figure AM109 and the deck is attached to the structure in accordance 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	MIN. EMBEDMENT 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"

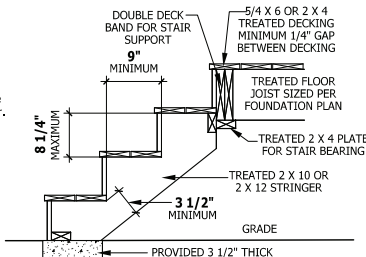
AM109.1.4, 2 x 6 diagonal vertical cross brace may be provided in two perpendicular directions for freestanding decks or parallel to the structure at the exterior column line for attached decks. The 2 x 6's shall be attached to the posts with one 5/8 inch hot dipped galvanized bolt with nut and washer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



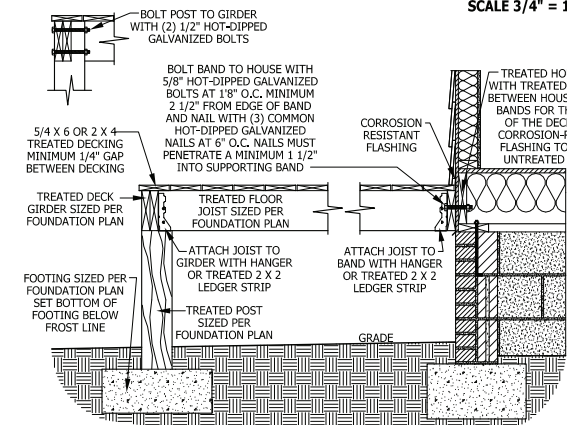
B DROPPED/ FLUSH PIER
SCALE 3/4" = 1'-0"



E <48" GARAGE WING WALL
SCALE 3/4" = 1'-0"



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



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

DECK ATTACHMENT DETAIL TO FRAMED WALL



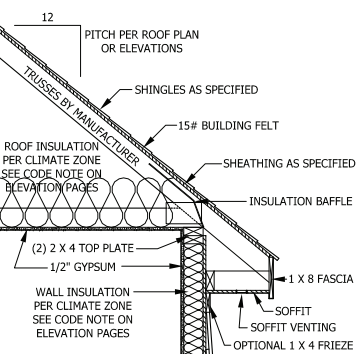
G DECK ATTACHMENT DETAIL TO FRAMED WALL
SCALE 3/4" TO 1'-0"

SMOKE ALARMS

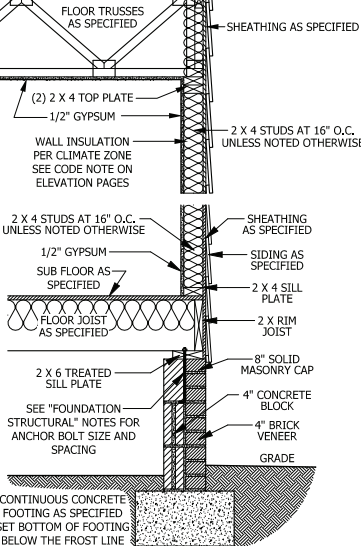
SECTION R314
R314.1 Smoke detection and notification. All smoke alarms shall be listed in accordance with UL 217 and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.
R314.2 Smoke detection systems. Household fire alarm systems installed in accordance with NFPA 72 that include smoke alarms, or a combination of smoke detector and audible notification device installed as required by this section for smoke alarms, shall be 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 using a combination of smoke detector and audible notification device(s), it shall become a permanent fixture of the occupancy and owned by the homeowner. The system shall be monitored by an approved supervising station and be maintained in accordance with NFPA 72.
Exception: Where smoke alarms are provided meeting the requirements of Section R314.4.
R314.3 Location. Smoke alarms shall be installed in the following locations:
1. In each sleeping room.
2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.
3. On each additional story of the dwelling, including basements and habitable attics (finished) but not including garages, sunrooms, uninhabitable (unfinished) attics and uninhabitable (unfinished) attic-stories. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.
When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected 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 commercial source, and when primary power is interrupted, shall 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.

STAIRWAY NOTES

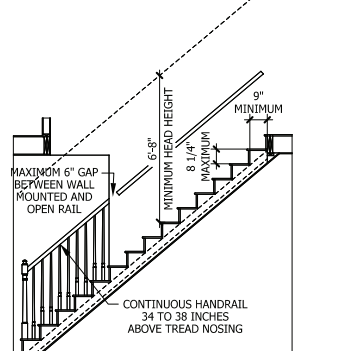
R311.7
R311.7.2 Headroom. The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2032 mm) measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on that portion of the stairway.
R311.7.4 Stair treads 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.
R311.7.5 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.
R311.7.6 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 risers.
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 planes 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).
Exceptions:
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 handrail, 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 self terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1 1/2 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.



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



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



J TYPICAL STAIR DETAIL
SCALE 1/4" = 1'-0"

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TYPICAL DETAILS
The Lauren III

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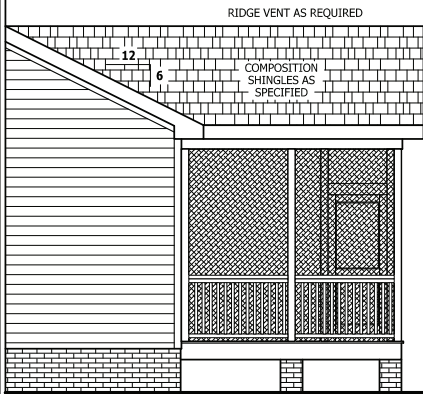
HAYNES WEAVER HOME PLANS, INC.
P.O. Box 702, Mine Forest, NC 27654-9100

SQUARE FOOTAGE HEATED

FIRST FLOOR	1791 SQ.FT.
SECOND FLOOR	1791 SQ.FT.
HEATED OPTIONAL	
CLOSET/HOOR	148 SQ.FT.
TOTAL	3482 SQ.FT.
UNHEATED	
FRONT PORCH	188 SQ.FT.
UNHEATED	469 SQ.FT.
HEATED OPTIONAL	
SCREENED PATIO	108 SQ.FT.
TURO GARAGE	108 SQ.FT.
TOTAL	5669 SQ.FT.

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RIGHT SIDE ELEVATION

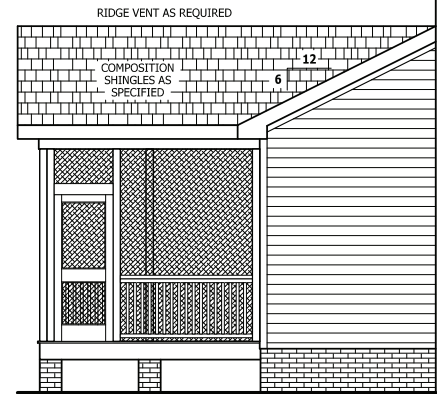
SCALE 1/4" = 1'-0"



REAR ELEVATION

SCALE 1/4" = 1'-0"

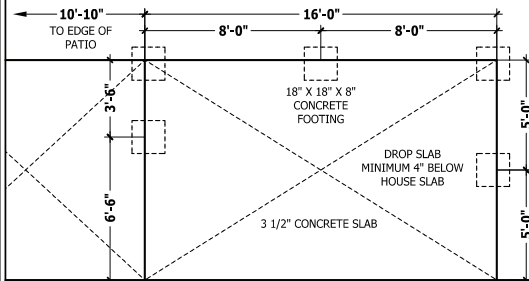
RAIL AS NEEDED PER CODE



LEFT SIDE ELEVATION

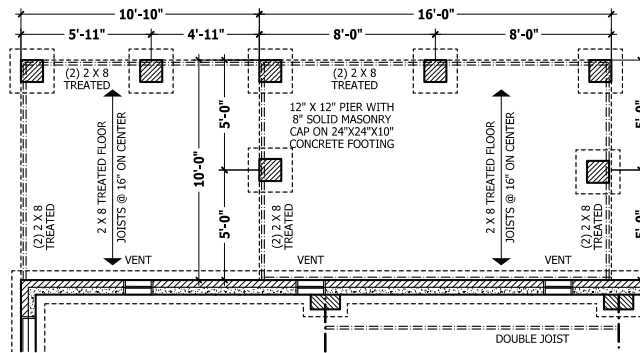
SCALE 1/4" = 1'-0"

PARGE



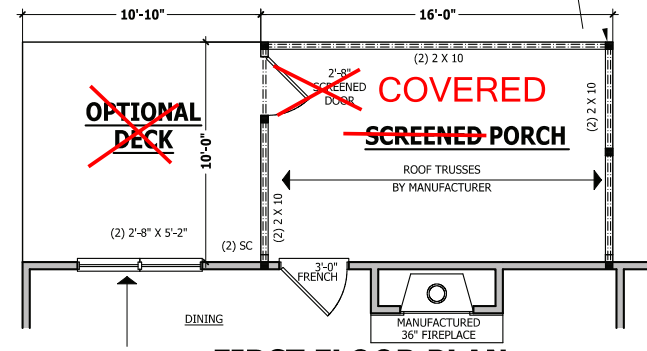
MONOLITHIC SLAB PLAN

SCALE 1/4" = 1'-0"



CRAWL SPACE PLAN

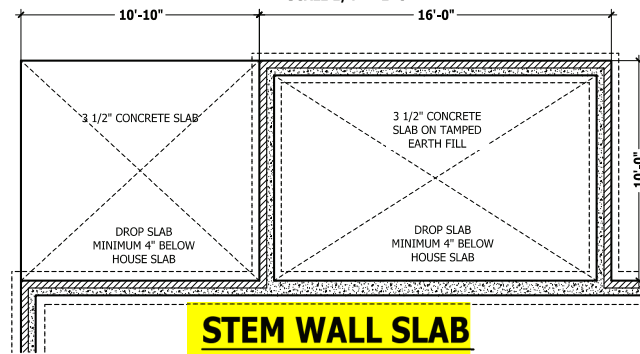
SCALE 1/4" = 1'-0"



FIRST FLOOR PLAN

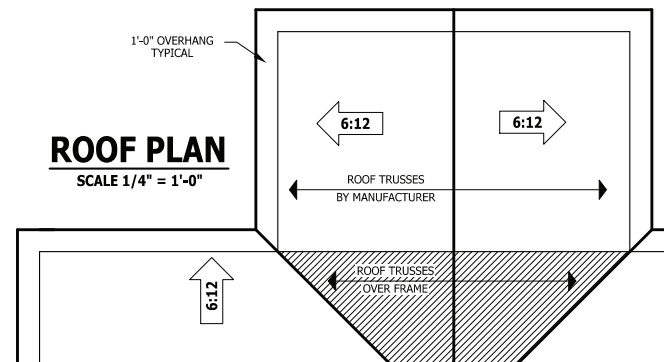
SCALE 1/4" = 1'-0"

4 X 4 TREATED POST OR EQUIVALENT TYPICAL. ATTACH RAFTERS TO HEADER WITH HURRICANE CONNECTORS (SIMPSON HIZ 5 OR EQUIVALENT). ATTACH HEADER TO POST AND POST TO BASE WITH POST CAP, METAL STRAPS, AND/OR POST BASE.



STEM WALL SLAB

SCALE 1/4" = 1'-0"



ROOF PLAN

SCALE 1/4" = 1'-0"

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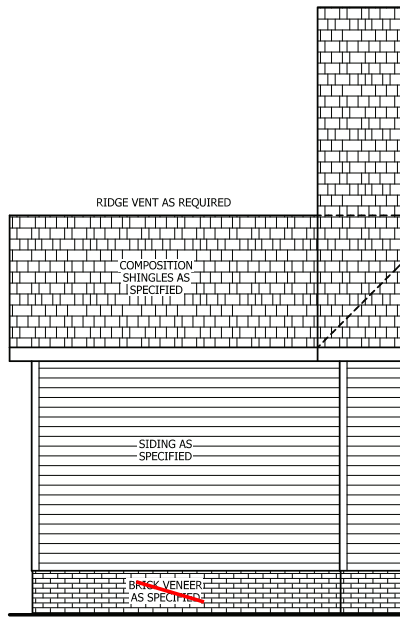
SCREENED PORCH ADDENDUM

The Lauren III

HAYNES WEAVER HOMES
HOME PLANS, INC.
P.O. BOX 702, WAKE FOREST, NC 27588 919-435-1180 FAX 919-435-1099

SQUARE FOOTAGE HEATED	
FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
SCREENED PORCH	148 SQ.FT.
TOTAL	148 SQ.FT.
UNHEATED	
PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	657 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	148 SQ.FT.
DECK OR PATIO	108 SQ.FT.
TWO GARAGE	569 SQ.FT.
TOTAL	825 SQ.FT.

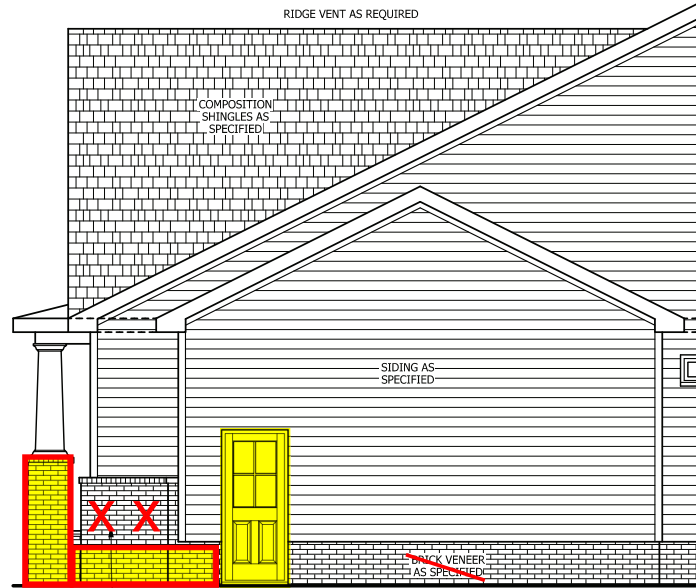
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ADDENDUM



REAR ELEVATION

SCALE 1/8" = 1'-0"

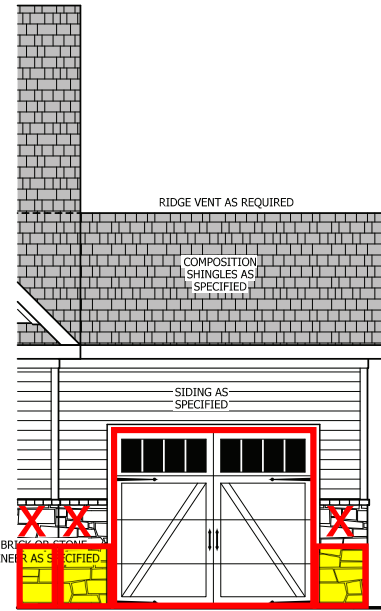
PARGE



RIGHT SIDE ELEVATION

SCALE 1/4" = 1'-0"

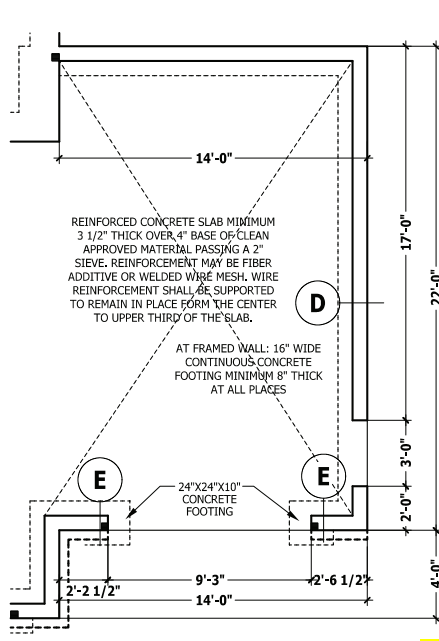
PARGE



FRONT ELEVATION

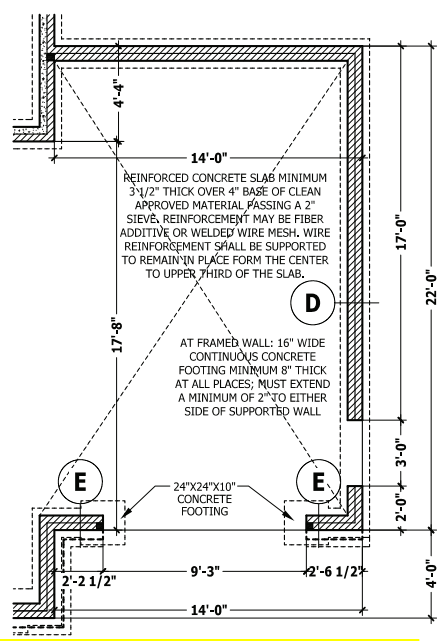
SCALE 1/4" = 1'-0"

SEE BASE PLAN FOR NOTES AND DETAILS



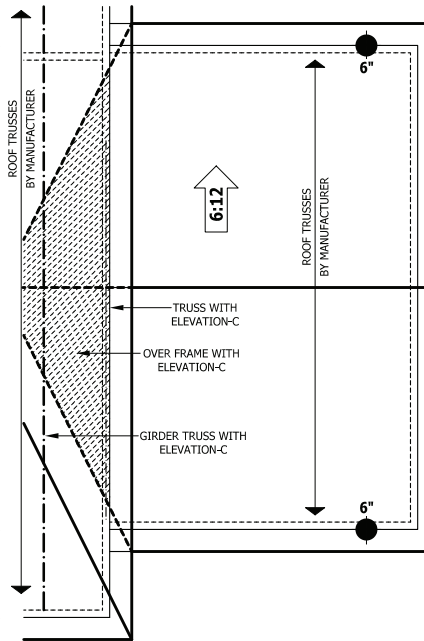
MONOLITHIC SLAB PLAN

SCALE 1/4" = 1'-0"



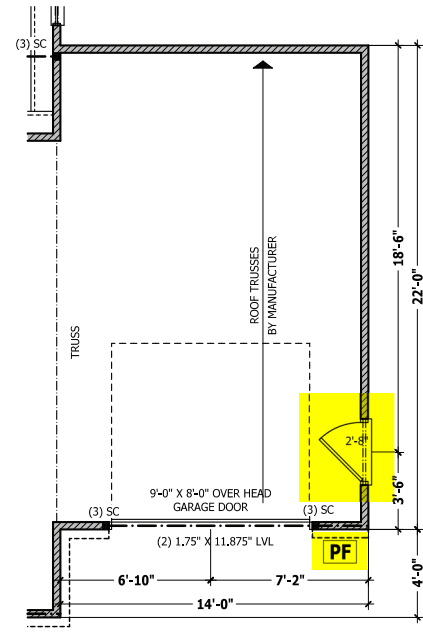
CRAWL SPACE / STEM WALL

SCALE 1/4" = 1'-0"



ROOF PLAN

SCALE 1/4" = 1'-0"



FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"

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THIRD GARAGE ADDENDUM

The Lauren III

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505 Weaver Drive, Fayetteville, NC 27305

HAYNES HOME PLANS, INC.
P.O. Box 702, Wake Forest, NC 27388 919-435-1180 FAX 919-435-0995

SQUARE FOOTAGE	
HEATED FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL GARAGE/HOTEL	148 SQ.FT.
TOTAL	1939 SQ.FT.
UNHEATED FRONT PORCH	188 SQ.FT.
GARAGE	469 SQ.FT.
TOTAL	1665 SQ.FT.
UNHEATED OPTIONAL SCREENED PORCH	188 SQ.FT.
DECK OR PATIO	188 SQ.FT.
TOTAL GARAGE	657 SQ.FT.
TOTAL	2322 SQ.FT.

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ADDENDUM