

AFS - 3LG

Rear Porch

**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
CEILING U-FACTOR	0.35	0.35	0.35
SKYLIGHT U-FACTOR	0.55	0.55	0.55
GLAZED PENETRATION 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

\* TYPICAL MEANS R-15 WEATHERING INSULATION OR R-13 CAVITY INSULATION  
 \*\* INSULATION DEPTH WITH MINIMUM THICKNESS SHALL BE 2" OR FROM INSPECTION GAP TO BOTTOM OF FOOTING; INSULATION DEPTH WITH STEEL WALL SHALL BE 2" OR TO BOTTOM OF FOUNDATION WALL

DESIGNED FOR WIND SPEED OF 120 MPH, 3 SECOND GUST (3 FASTEST MILE) EXPOSURE "B"  
 COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS:  
 MEAN ROOF: UP TO 30' 30'-1" TO 35' 35'-1" TO 40' 40'-1" TO 45'  
 ZONE 1 14.2 -15.0 14.9 -15.8 15.5 -16.4 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

DESIGNED FOR WIND SPEED OF 120 MPH, 3 SECOND GUST (3 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 18.2 -19.6 18.7 -20.2  
 ZONE 2 16.7 -21.0 17.5 -22.1 18.2 -22.9 18.7 -23.5  
 ZONE 3 16.7 -21.0 17.5 -22.1 18.2 -22.9 18.7 -23.5  
 ZONE 4 18.2 -19.0 19.1 -20.0 19.8 -20.7 20.4 -21.3  
 ZONE 5 18.2 -24.0 19.1 -25.2 19.8 -26.2 20.4 -26.9

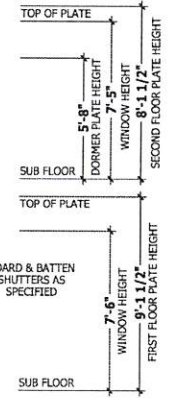
**GUARD RAIL NOTES**

- SECTION R312**
- R312.1 Where required.** Guards shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side. Insect screening shall not be considered as a guard.
- R312.2 Height.** Required guards at open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches (914 mm) high measured vertically above the adjacent walking surface, adjacent fixed seating or the line connecting the leading edges of the treads.
- Exceptions:**
- Guards on the open sides of stairs shall have a height not less than 34 inches (864 mm) measured vertically from a line connecting the leading edges of the treads.
  - Where the top of the guard also serves as a handrail on the open sides of stairs, the top of the guard shall not be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the leading edges of the treads.
- R312.3 Opening limitations.** Required guards shall not have openings from the walking surface to the required guard height which allow passage of a sphere 4 inches (102 mm) in diameter.
- Exceptions:**
- The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a guard, shall not allow passage of a sphere 6 inches (153 mm) in diameter.
  - Guards on the open sides of stairs shall not have openings which allow passage of a sphere 4 3/8 inches (111 mm) in diameter.

**ROOF VENTILATION**

**SECTION R806**

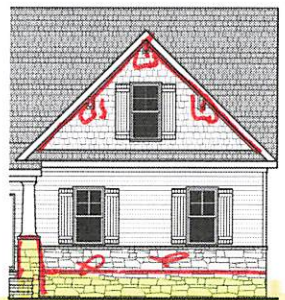
SQUARE FOOTAGE OF ROOF TO BE VENTED = 2,477 SQ. FT.  
 NET FREE CROSS VENTILATION NEEDED:  
 WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 16.51 SQ. FT.  
 WITH 50% TO 80% OF VENTING 3'-0" ABOVE EAVE, OR WITH CLASS 1 OR II VAPOR RETARDER ON WARM-IN-WINTER SIDE OF CEILING = 8.26 SQ. FT.



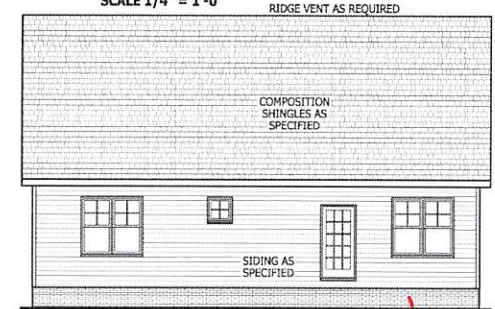
**FRONT ELEVATION**  
SCALE 1/4" = 1'-0"

**SQUARE FOOTAGE**

HEATED	1766 SQ. FT.
FIRST FLOOR	1766 SQ. FT.
PLAYROOM	400 SQ. FT.
TOTAL	2166 SQ. FT.
HEATED OPTIONAL	48 SQ. FT.
CAROLINA ROOM	48 SQ. FT.
RECREATION ROOM	304 SQ. FT.
TOTAL	452 SQ. FT.
UNHEATED	188 SQ. FT.
FRONT PORCH	488 SQ. FT.
GARAGE	676 SQ. FT.
TOTAL	1164 SQ. FT.
UNHEATED OPTIONAL	160 SQ. FT.
SCREENED PORCH	160 SQ. FT.
DECK / PATIO	188 SQ. FT.
THIRD GARAGE	292 SQ. FT.
TOTAL	550 SQ. FT.



**WINDOWS WITH SIDE LOAD**  
SCALE 1/8" = 1'-0"



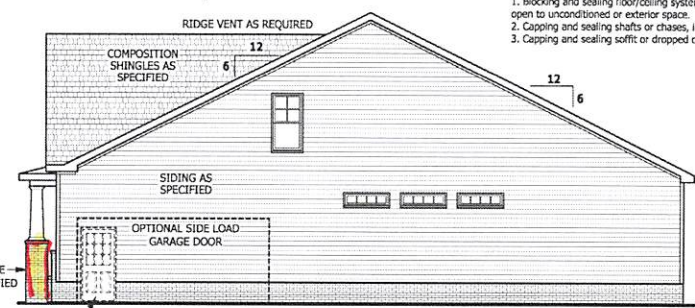
**REAR ELEVATION**  
SCALE 1/8" = 1'-0"

**AIR LEAKAGE**

**Section N1102.4**  
**N1102.4.1 Building thermal envelope.** The building thermal envelope shall be curably sealed with an air barrier system to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. For all joints, 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 soffits or dropped ceiling areas.



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



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

PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION BEGINS. HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTOR PRACTICES AND PROCEDURES. CONDITIONS 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**  
**The Lauren H**

**HAYNES WEAVER HOMES**  
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201 BOB TOZ, LAKE FOREST, NC 27588 919-356-6180 FAX 919-356-6185

**SQUARE FOOTAGE**

HEATED	1766 SQ. FT.
FIRST FLOOR	1766 SQ. FT.
PLAYROOM	400 SQ. FT.
TOTAL	2166 SQ. FT.
HEATED OPTIONAL	48 SQ. FT.
CAROLINA ROOM	48 SQ. FT.
RECREATION ROOM	304 SQ. FT.
TOTAL	452 SQ. FT.
UNHEATED	188 SQ. FT.
FRONT PORCH	488 SQ. FT.
GARAGE	676 SQ. FT.
TOTAL	1164 SQ. FT.
UNHEATED OPTIONAL	160 SQ. FT.
SCREENED PORCH	160 SQ. FT.
DECK / PATIO	188 SQ. FT.
THIRD GARAGE	292 SQ. FT.
TOTAL	550 SQ. FT.





### 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

### 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 (LL)
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) unless noted otherwise.

**ENGINEERED WOOD BEAMS:**  
Laminated veneer lumber (LVL) = Fb=2600 PSI, Fv=285 PSI, E=1.3x10<sup>6</sup> PSI  
Parallel strand Lumber (PSL) = Fb=2900 PSI, Fv=290 PSI, E=1.2x10<sup>6</sup> PSI  
Laminated strand Lumber (LSL) = Fb=2250 PSI, Fv=400 PSI, E=1.5x10<sup>6</sup> PSI  
Install all connectors per manufacturer's instructions.

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

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

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

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

**CONCRETE AND SOILS:** See foundation notes.

### ROOF TRUSS REQUIREMENTS

**TRUSS DESIGN:** Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plans, 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.

### 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.

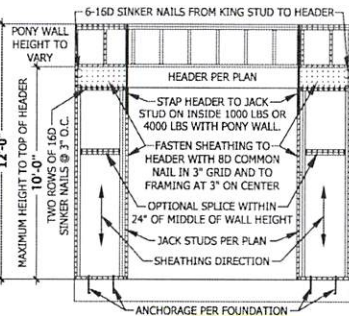
**REQUIRED LENGTH OF BRACING:** Required brace wall length for each side of the circumscribed rectangle are interpolated per table R602.10.3. Methods CS-WSP and CS-SFB contribute their actual length. Method GB contributes 0.5 ft's actual length. Method PF contributes 1.5 times its actual length.  
**HD:** 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 5d common nails or 8d (2 1/2" long x 0.131" 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.

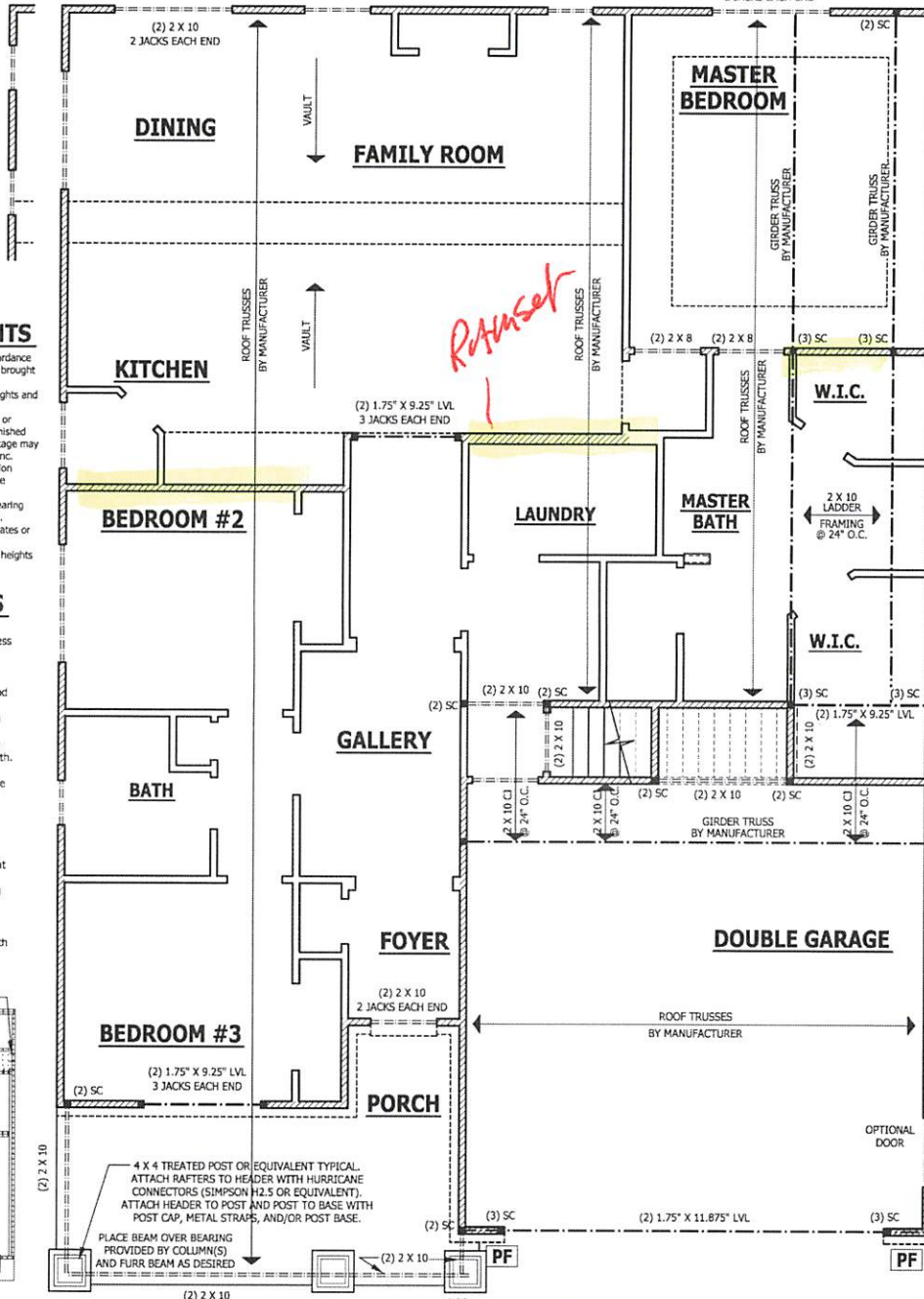
**GB:** Interior walls show as GB are to have minimum 1/2" gypsum board on both sides of the wall fastened at 7" on center at edges and 7" on center at intermediate supports with minimum 5d cooler nails or #6 screws.

**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"



### FIRST FLOOR STRUCTURAL

SCALE 1/4" = 1'-0"

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FIRST FLOOR STRUCTURAL  
The Lauren H

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HOMES

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HOME PLANS, INC.  
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SQUARE FOOTAGE	
HEATED	
FRONT PORCH	136 SQ. FT.
REAR PORCH	400 SQ. FT.
TOTAL	536 SQ. FT.
HEATED OPTIONAL	
LANDING ROOM	84 SQ. FT.
TOILET	57 SQ. FT.
TOTAL	141 SQ. FT.
UNHEATED	
FRONT PORCH	88 SQ. FT.
REAR PORCH	88 SQ. FT.
TOTAL	176 SQ. FT.
SCREENED FRONT PORCH	88 SQ. FT.
SCREENED REAR PORCH	88 SQ. FT.
TOTAL	176 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 Plans, Inc. attention before construction begins.

**KNEE WALL AND CEILING HEIGHTS.** All finished knee wall heights and ceiling heights are shown turned 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.

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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.

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Parallel strand lumber (PSL) = Fb=2900 PSI, Fv=290 PSI, E=2.0x10<sup>6</sup> PSI  
Laminated strand lumber (LSL) = Fb=2250 PSI, Fv=400 PSI, E=1.55x10<sup>6</sup> PSI  
Install all connections per manufacturer's instructions.

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

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

**CONCRETE AND SOILS:** See foundation notes.

## ATTIC ACCESS

### SECTION R807

**R807.1 Attic access.** An attic access opening shall be provided to attic areas that exceed 400 square feet (37.16 m<sup>2</sup>) and have a vertical height of 60 inches (1524 mm) or greater. The net clear opening shall not be less than 20 inches by 30 inches (508 mm by 762 mm) and shall be located in a hallway or other readily accessible location. A 30-inch (762 mm) minimum unobstructed headroom in the attic space shall be provided at some point above the access opening. See Section M1305.1.3 for access requirements where mechanical equipment is located in attics.

### Exceptions:

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

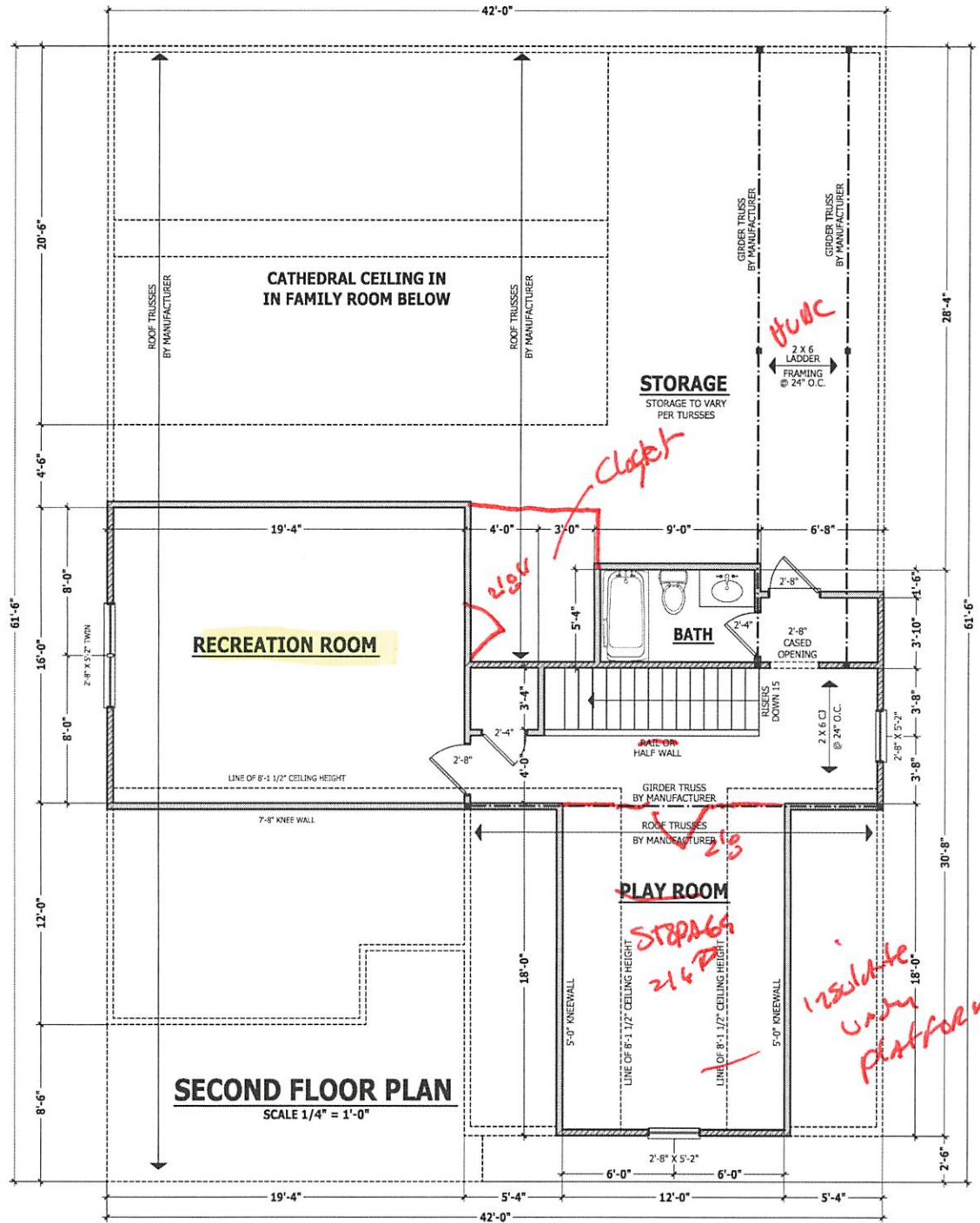
## EXTERIOR HEADERS

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

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

## INTERIOR HEADERS

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



## SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

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SECOND FLOOR PLAN  
The Lauren H

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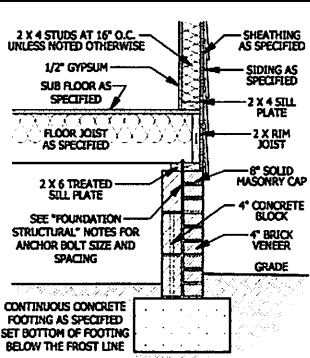
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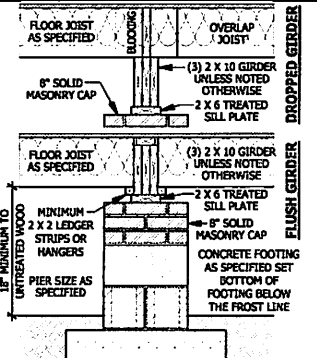
SQUARE FOOTAGE	
HEATED	1766 SQ. FT.
UNHEATED	216 SQ. FT.
TOTAL	1982 SQ. FT.
HEATED OPTIONALS	146 SQ. FT.
UNHEATED OPTIONALS	216 SQ. FT.
TOTAL	362 SQ. FT.
UNHEATED OPTIONALS	180 SQ. FT.
TOTAL	542 SQ. FT.
SCREENED PORCH	146 SQ. FT.
TRIP GARAGE	216 SQ. FT.
TOTAL	362 SQ. FT.

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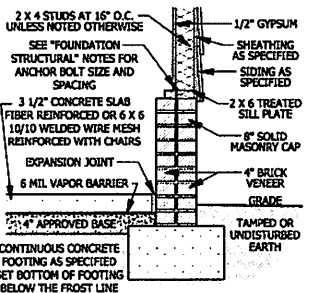




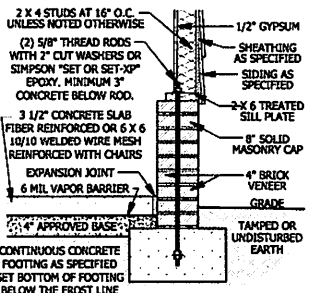
**A CRAWL SPACE WALL**  
SCALE 3/4" = 1'-0"



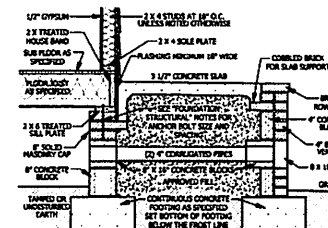
**B DROPPED/ FLUSH PIER**  
SCALE 3/4" = 1'-0"



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



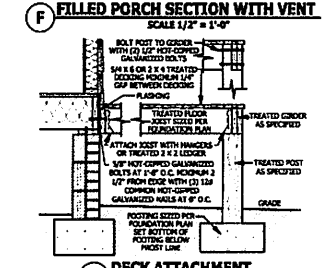
**D GARAGE STEM WALL**  
SCALE 3/4" = 1'-0"



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

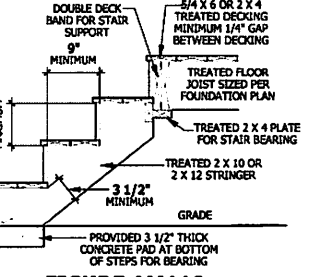


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**G DECK ATTACHMENT**  
SCALE 1/2" = 1'-0"

**DECK STAIR NOTES**  
SECTION AH110  
AH110.1 Stairs shall be constructed per Figure AM110. Stringers shall be no greater than 7 foot span between supports. Spacing between stringers shall be based upon decking material used per AH107.1. Each stringer shall have minimum 3 1/2 inches between top and back of stringer. If used, suspended headers shall be attached with 3/8 inch galvanized bolts with nuts and washers to secure support stringers at the top.

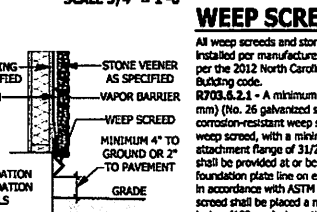


**FIGURE AM110 TYPICAL DECK STAIR DETAIL**  
SCALE 3/4" = 1'-0"

**DECK BRACING**  
SECTION AH109  
AH109.1 Deck bracing. Decks shall be braced to provide lateral stability. The following are acceptable means to provide lateral stability.  
AH109.1.1 When the deck floor height is less than 4'-0" above finished grade per Figure AH109 and the deck is attached to the structure in accordance with Section AH104, lateral bracing is not required.  
AH109.1.2 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 3/8 inch hot dipped galvanized bolt with nut and washer at both ends of the brace per Figure AH109.1.  
AH109.1.3 For freestanding decks without knee braces or diagonal bracing, lateral stability may be provided by embedding the post in accordance with Figure AH109.2.2 and the following:

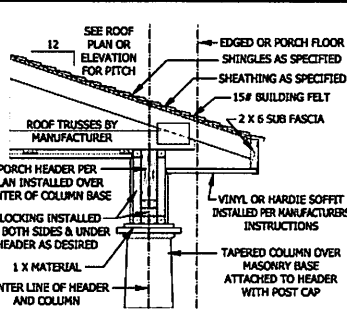
POST SIZE	MIN. EMBEDMENT DEPTH	MIN. POST HEIGHT	MIN. CONCRETE DIAMETER	
4 x 4	48 SF	4'-0"	2'-6"	1'-0"
6 x 6	120 SF	6'-0"	3'-6"	1'-6"

AH109.1.4 2 x 6 diagonal vertical cross bracing may be provided in two perpendicular directions for freestanding decks or parallel to the structure at the exterior column line for attached decks. The 2 x 6's shall be attached to the posts with one 5/8 inch hot dipped galvanized bolt with nut and washer at each end of each bracing member per Figure AH109.3.  
AH109.1.5 For embedment of piles in Coastal Regions, see Chapter 45.

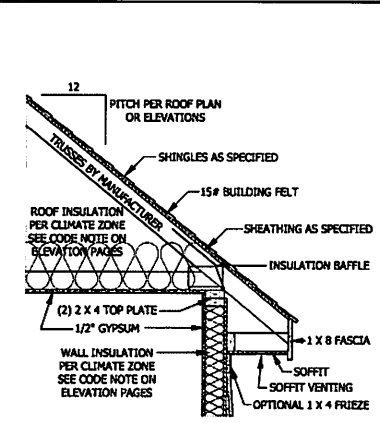


**WEEP SCREED**  
SCALE 3/4" = 1'-0"

**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 notification of smoke detection and audible notification device(s), it shall become a permanent feature 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 crawl spaces, unfinished (unfinished) attics and unfinished (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 surface 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 provided 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.

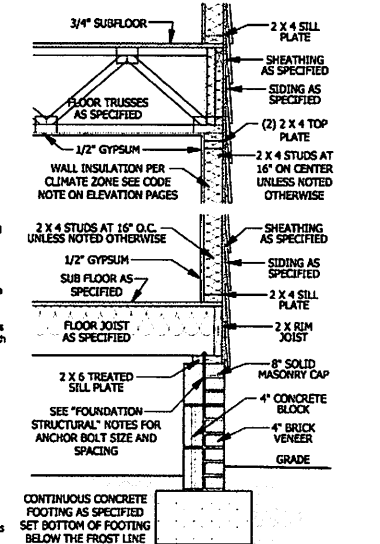


**J PORCH HEADER WITH TAPERED COLUMN**  
SCALE 3/4" = 1'-0"



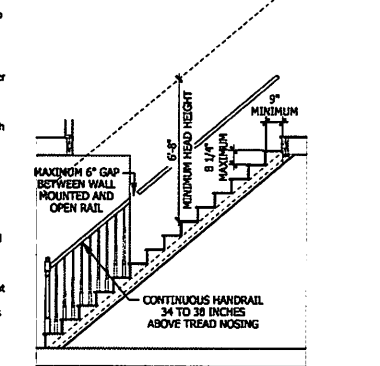
**K TYPICAL WALL DETAIL**  
SCALE 3/4" = 1'-0"

**CARBON MONOXIDE ALARMS**  
SECTION R315  
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, 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 315.1.  
R315.3 Alarm requirements. The required carbon monoxide alarm 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.



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

**STAIRWAY NOTES**  
R311.7  
R311.7.1 Handrails. Handrails shall be provided on at least one side of each continuous run of stairs or flight with use on more risers.  
R311.7.2 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).  
R311.7.3 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 adjacent to a wall shall have a space of not less than 1 1/2 inch (38 mm) between the wall and the handrails.  
R311.7.4 Power source. Smoke alarms shall receive their primary power from the building wiring when such wiring is provided 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.



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

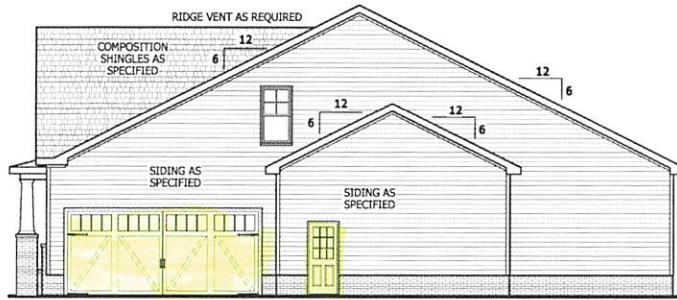
PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION BEGINS. HAYNES WEAVER HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTOR PRACTICES AND PROCEDURES.  
CODES AND CONDITIONS MAY VARY WITH LOCALITY. A LOCAL CODES, AMENDMENTS AND ORDINANCES SHOULD BE CONSULTED BEFORE CONSTRUCTION.  
THESE DRAWINGS ARE NOT BE SEEN AS SUCH SHALL BEHOLD PROPERTY OF THE DESIGNER.

**TYPICAL DETAILS**  
**The Lauren H**

**HAYNES WEAVER HOME PLANS, INC.**  
910.630.2100 • 910.630.4506

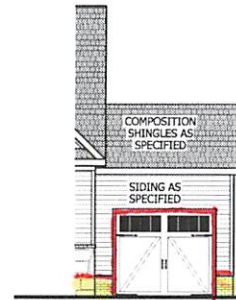
**HAYNES WEAVER HOME PLANS, INC.**  
605 SOUTH WIDE CREEK AVENUE, SUITE 200, RICHMOND, VA 23220

SQUARE FOOTAGE RELATED	MIN.	MAX.
PERMITTED	100	200
PERMITTED OPTIMAL	150	250
PERMITTED OPTIMAL	200	300
PERMITTED OPTIMAL	250	350
PERMITTED OPTIMAL	300	400
PERMITTED OPTIMAL	350	450
PERMITTED OPTIMAL	400	500
PERMITTED OPTIMAL	450	550
PERMITTED OPTIMAL	500	600



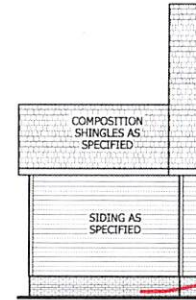
**SIDE ELEVATION**

SCALE 1/8" = 1'-0"



**FRONT ELEVATION**

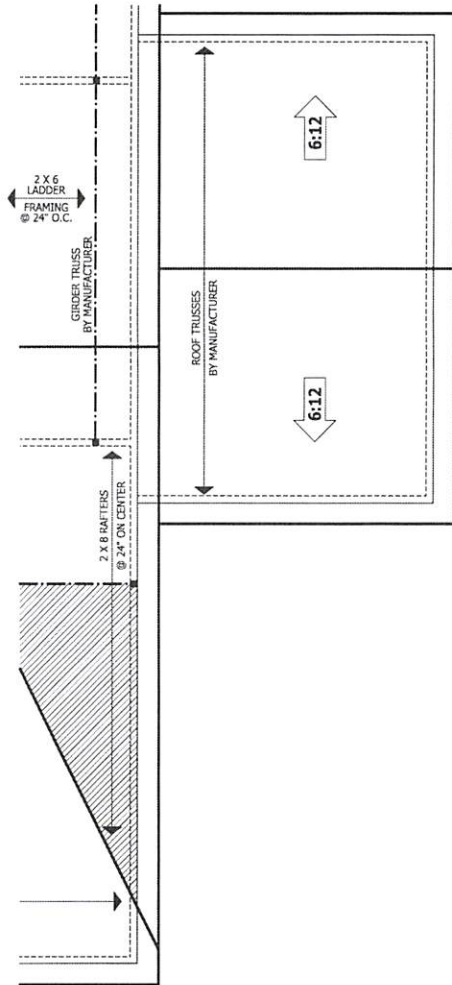
SCALE 1/8" = 1'-0"



**REAR ELEVATION**

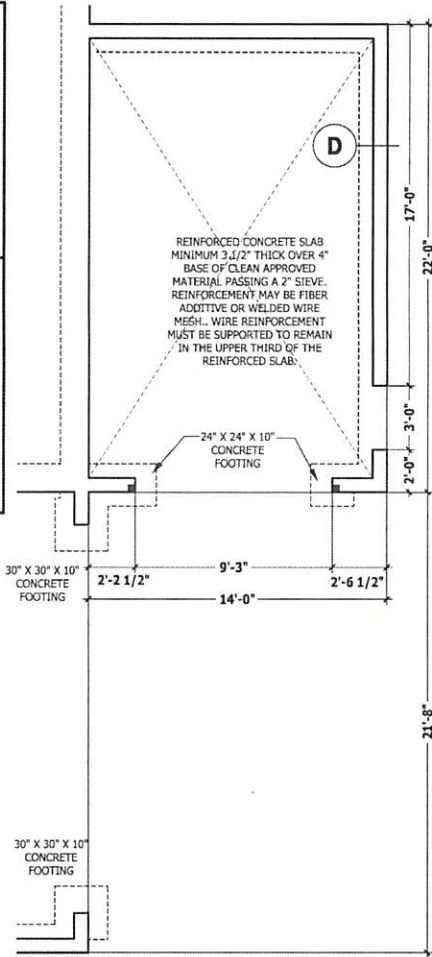
SCALE 1/8" = 1'-0"

*PARCE*



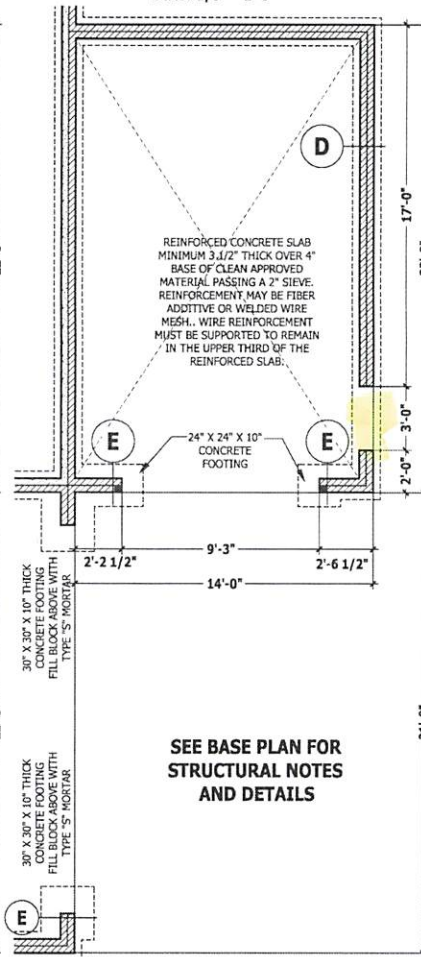
**ROOF PLAN**

SCALE 1/4" = 1'-0"



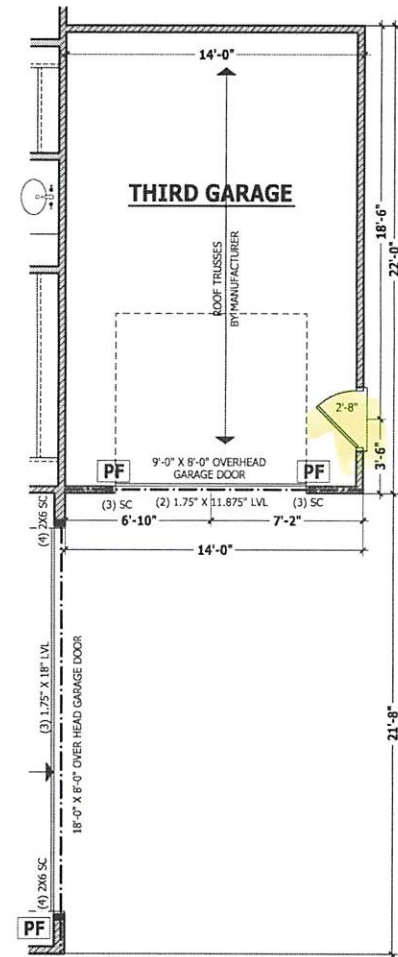
**MONOLITHIC SLAB PLAN**

SCALE 1/4" = 1'-0"



**CRAWL SPACE / STEM WALL**

SCALE 1/4" = 1'-0"



**FIRST FLOOR PLAN**

SCALE 1/4" = 1'-0"

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**FRONT LOAD THIRD CAR**  
**The Lauren H**

**HAYNES WEAVER**  
**HOME PLANS, INC.**  
910.630.2100 • 910.606.4696

**HAYNES WEAVER**  
**HOME PLANS, INC.**  
P.O. BOX 702, WAKE FOREST, NC 27588 919.454.1181 FAX 919.454.1055

SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	176 SQ. FT.
TOTAL	176 SQ. FT.
UNHEATED	
OVERHEAD GARAGE	140 SQ. FT.
TOTAL	316 SQ. FT.
HEATED OPTIONAL	
CAROLINA ROOM	140 SQ. FT.
OVERHEAD GARAGE	140 SQ. FT.
TOTAL	280 SQ. FT.
UNHEATED OPTIONAL	
SCREENED PORCH	140 SQ. FT.
DECK (PATIO)	140 SQ. FT.
THIRD GARAGE	140 SQ. FT.
TOTAL	560 SQ. FT.

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2/24/2020  
200219B  
ADDENDUM



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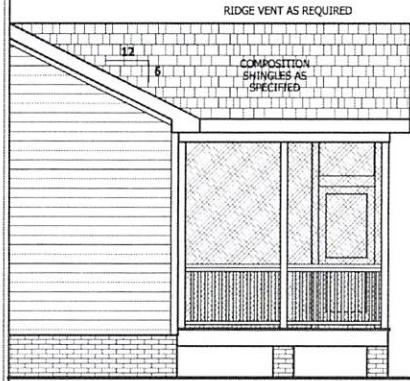
SCREENED PORCH ADDENDUM  
The Lauren H

HAYNES WEAVER HOMES  
910-630-2100 • 910-606-4906  
11111 W. Highway 101, Suite 100, Charlotte, NC 28217

HAYNES HOME PLANS, INC.  
P.O. Box 102, Lake Forest, NC 27558 • 919-436-6180 • FAX 919-436-1436

SQUARE FOOTAGE	
HEATED FIRST FLOOR	1766 SQ. FT.
HEATED SECOND FLOOR	1562 SQ. FT.
TOTAL HEATED	3328 SQ. FT.
UNHEATED FIRST FLOOR	492 SQ. FT.
UNHEATED SECOND FLOOR	492 SQ. FT.
TOTAL UNHEATED	984 SQ. FT.
SCREENED PORCH	150 SQ. FT.
DECK	150 SQ. FT.
TOTAL	2136 SQ. FT.

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ADDENDUM



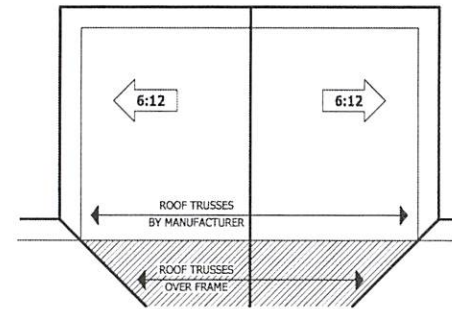
**RIGHT SIDE ELEVATION**  
SCALE 1/4" = 1'-0"



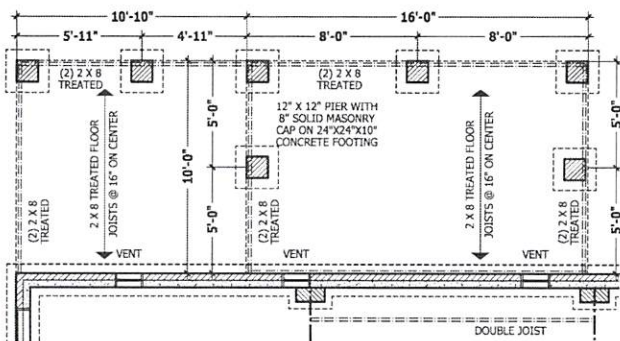
**REAR ELEVATION**  
SCALE 1/4" = 1'-0"  
RAIL AS NEEDED PER CODE



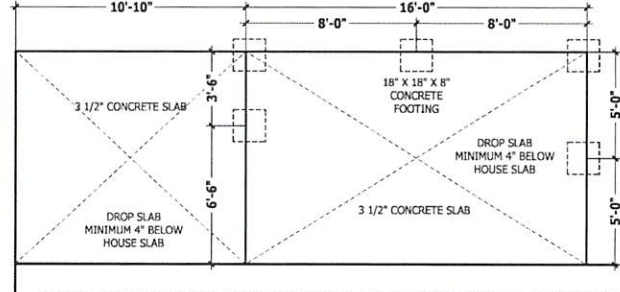
**LEFT SIDE ELEVATION**  
SCALE 1/4" = 1'-0"



**ROOF PLAN**  
SCALE 1/8" = 1'-0"



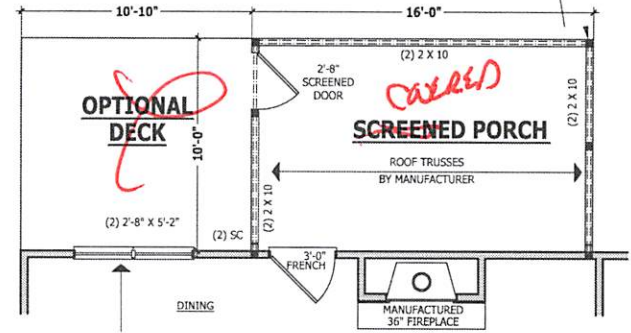
**CRAWL SPACE PLAN**  
SCALE 1/4" = 1'-0"



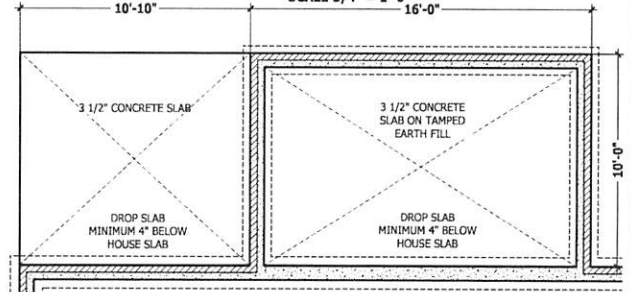
**MONOLITHIC SLAB PLAN**  
SCALE 1/4" = 1'-0"

SEE BASE PLAN FOR NOTES AND DETAILS

4 X 4 TREATED POST OR EQUIVALENT TYPICAL ATTACH RAFTERS TO HEADER WITH HURRICANE CONNECTORS (SIMPSON H2.5 OR EQUIVALENT). ATTACH HEADER TO POST AND POST TO BASE WITH POST CAP, METAL STRAPS, AND/OR POST BASE.



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



**STEM WALL SLAB**  
SCALE 1/4" = 1'-0"