

NOTICE TO CONTRACTOR: All building codes and a design to meet inspection and approval.  
**APPROVED**  
 04/08/2020  
 HARNETT COUNTY NORTH CAROLINA

PF 2  
 4BR

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

MEAN ROOF HEIGHT: 18'-8" HEIGHT TO RIDGE: 25'-5"

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
* GAR R-VALUE	0	0	0
* CRAWL SPACE WALL R-VALUE	5/13	10/15	10/19

\*\* "15"1" MEANS 8-10 SHEATHING INSULATION OR R-13 CAVITY INSULATION  
 \*\* INSULATION DEPTH WITH MONOLITHIC SLAB 2" OR FROM INSPECTION GAP TO BOTTOM OF FOOTING; INSULATION DEPTH WITH STEM WALL SLAB 2" OR TO BOTTOM OF FOUNDATION WALL

**COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS**

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

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	-18.9
ZONE 2	14.2	-18.0	14.9	-18.9
ZONE 3	14.2	-18.0	14.9	-18.9
ZONE 4	15.5	-16.8	16.3	-16.9
ZONE 5	15.5	-20.0	16.3	-21.0

**COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS**

DESIGNED FOR WIND SPEED OF 130 MPH, 3 SECOND GUST (121 FASTEST MILE) EXPOSURE "B"

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

**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 floor or grade below at any point and not more than 38 inches (965 mm) measured vertically from a 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 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 4 3/8 inches (111 mm) in diameter.

**ROOF VENTILATION**

**SECTION R806**  
**R806.1 Ventilation required.** Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than 1/4 inch (6.4 mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, or similar material with openings having a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.7.  
**R806.2 Minimum area.** The total net free ventilating area shall not be less than 1/150 of the area of the space ventilated except that reduction of the total area to 1/300 is permitted provided that at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above the eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling.  
**Exceptions:**  
 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 = 2,283 SQ.FT.  
 NET FREE CROSS VENTILATION NEEDED:  
 WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 15.22 SQ.FT.  
 WITH 50% TO 80% OF VENTING 3'-0" ABOVE EAVE; OR WITH CLASS I OR II VAPOR RETARDER ON WARM-IN-WINTER SIDE OF CEILING = 7.61 SQ.FT.



**FRONT ELEVATION**

SCALE 1/4" = 1'-0"

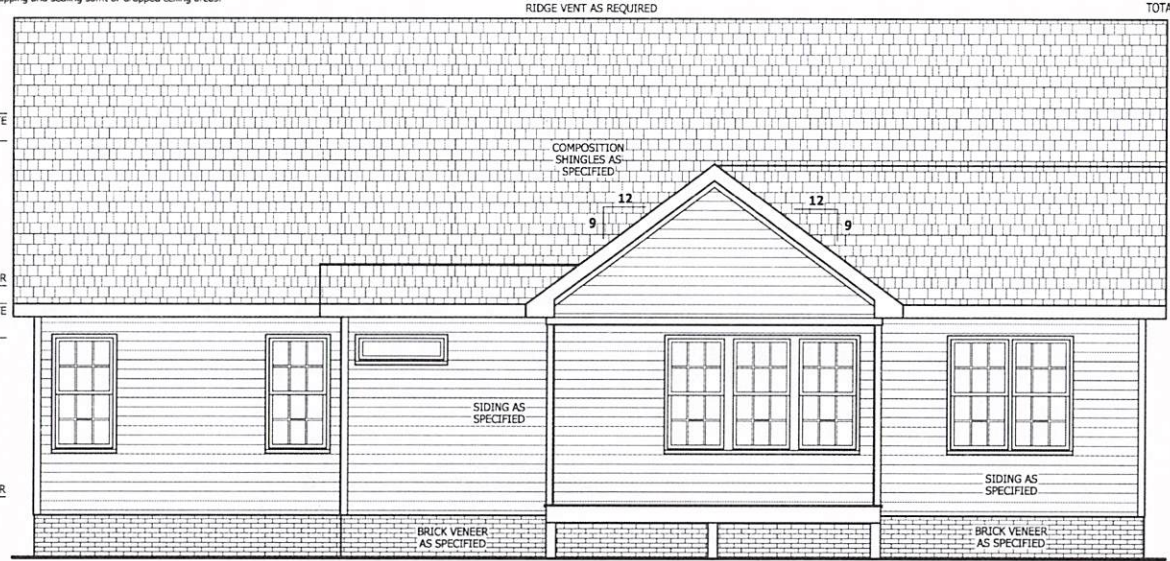
Total  
 2,293

**SQUARE FOOTAGE**

HEATED FIRST FLOOR	1555 SQ. FT.
PALYROOM	264 SQ. FT.
TOTAL	1819 SQ. FT.
HEATED OPTIONAL SECOND FLOOR	570 SQ. FT.
TOTAL	371
UNHEATED GARAGE	448 SQ. FT.
FRONT PORCH	42 SQ. FT.
REAR PORCH	154 SQ. FT.
TOTAL	644 SQ. FT.
UNHEATED OPTIONAL THIRD GARAGE	298 SQ. FT.
TOTAL	298 SQ. FT.

**AIR LEAKAGE**

**Section N1102.4**  
**N1102.4.1 Building thermal envelope.** The building thermal envelope shall be durably sealed with an air barrier system to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. For all homes, where present, the following shall be caulked, gasketed, weather 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 fue shafts.  
 3. Capping and sealing soffit or dropped ceiling areas.



**REAR ELEVATION**

SCALE 1/4" = 1'-0"

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**FRONT & REAR ELEVATIONS**  
**The Halifax II**

**HAYNES WEAVER HOMES**  
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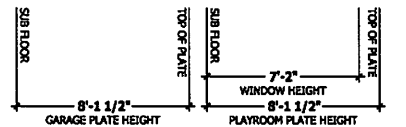
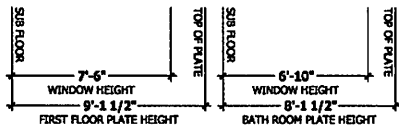
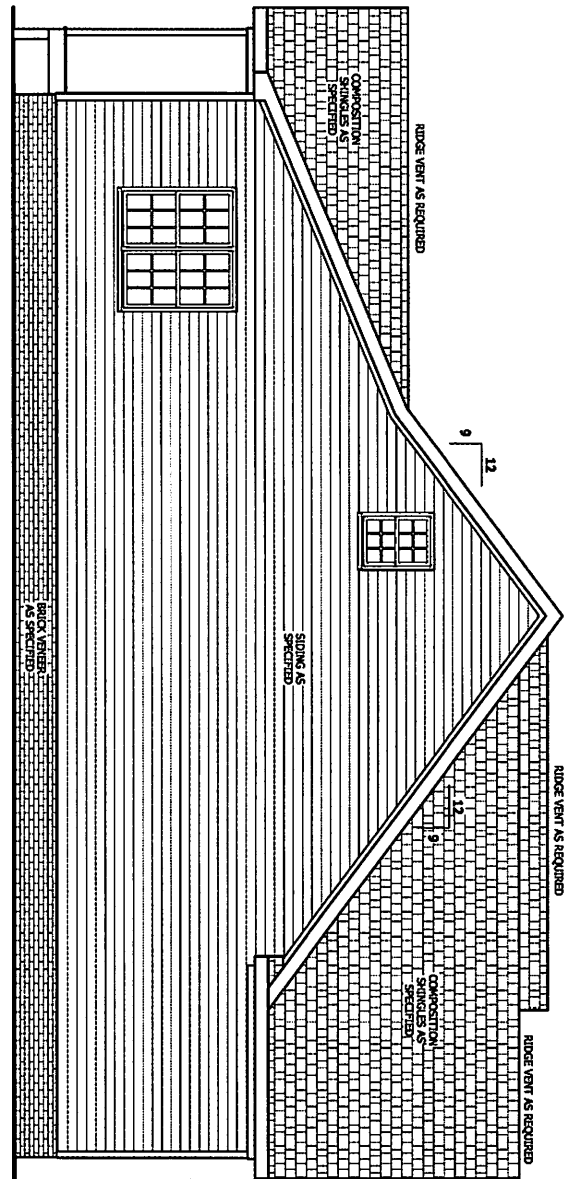
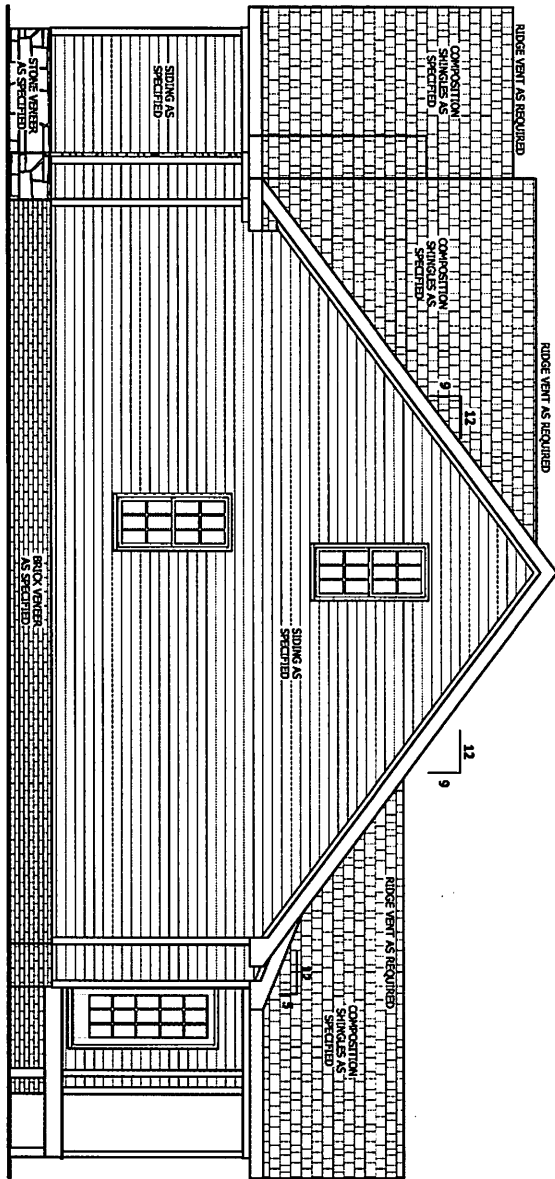
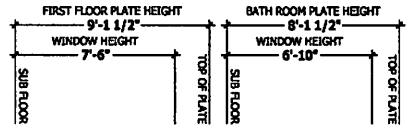
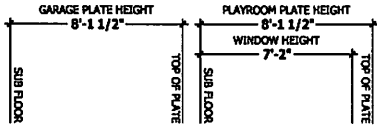
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 P.O. BOX 702, WYCK, NORTH CAROLINA 27688 919-435-9180 FAX: 919-435-9188

**SQUARE FOOTAGE**

HEATED FIRST FLOOR	1555 SQ. FT.
PALYROOM	264 SQ. FT.
TOTAL	1819 SQ. FT.
HEATED OPTIONAL SECOND FLOOR	570 SQ. FT.
TOTAL	371
UNHEATED GARAGE	448 SQ. FT.
FRONT PORCH	42 SQ. FT.
REAR PORCH	154 SQ. FT.
TOTAL	644 SQ. FT.
UNHEATED OPTIONAL THIRD GARAGE	298 SQ. FT.
TOTAL	298 SQ. FT.

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**RIGHT SIDE ELEVATION**

**LEFT SIDE ELEVATION**

SCALE 1/4" = 1'-0"

SCALE 1/4" = 1'-0"

SQUARE FOOTAGE	
1st FLOOR	1153 SQT
2nd FLOOR	1153 SQT
3rd FLOOR	1153 SQT
4th FLOOR	1153 SQT
5th FLOOR	1153 SQT
6th FLOOR	1153 SQT
7th FLOOR	1153 SQT
8th FLOOR	1153 SQT
9th FLOOR	1153 SQT
10th FLOOR	1153 SQT
11th FLOOR	1153 SQT
12th FLOOR	1153 SQT
13th FLOOR	1153 SQT
14th FLOOR	1153 SQT
15th FLOOR	1153 SQT
16th FLOOR	1153 SQT
17th FLOOR	1153 SQT
18th FLOOR	1153 SQT
19th FLOOR	1153 SQT
20th FLOOR	1153 SQT
21st FLOOR	1153 SQT
22nd FLOOR	1153 SQT
23rd FLOOR	1153 SQT
24th FLOOR	1153 SQT
25th FLOOR	1153 SQT
26th FLOOR	1153 SQT
27th FLOOR	1153 SQT
28th FLOOR	1153 SQT
29th FLOOR	1153 SQT
30th FLOOR	1153 SQT
31st FLOOR	1153 SQT
32nd FLOOR	1153 SQT
33rd FLOOR	1153 SQT
34th FLOOR	1153 SQT
35th FLOOR	1153 SQT
36th FLOOR	1153 SQT
37th FLOOR	1153 SQT
38th FLOOR	1153 SQT
39th FLOOR	1153 SQT
40th FLOOR	1153 SQT
41st FLOOR	1153 SQT
42nd FLOOR	1153 SQT
43rd FLOOR	1153 SQT
44th FLOOR	1153 SQT
45th FLOOR	1153 SQT
46th FLOOR	1153 SQT
47th FLOOR	1153 SQT
48th FLOOR	1153 SQT
49th FLOOR	1153 SQT
50th FLOOR	1153 SQT

**HAYNES WEAVER**  
**HOME PLANS, INC.**  
 P.O. Box 702, Waver Forest, NC 27582 919-335-5150 Fax 919-335-4911-0355  
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**SIDE ELEVATIONS**  
**The Halifax II**

READ THESE INSTRUCTIONS CAREFULLY BEFORE CONSTRUCTION AND CONTACT THE ARCHITECT IMMEDIATELY IF YOU HAVE ANY QUESTIONS. THIS SET OF PLANS IS FOR YOUR USE ONLY AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE PLANS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE HOME AS SHOWN ON THESE PLANS. THE ARCHITECT DOES NOT ASSUME RESPONSIBILITY FOR ANY OTHER ASPECTS OF THE HOME OR THE SITE. THE ARCHITECT'S SERVICES ARE LIMITED TO THE DESIGN AND CONSTRUCTION OF THE HOME AS SHOWN ON THESE PLANS. THE ARCHITECT DOES NOT ASSUME RESPONSIBILITY FOR ANY OTHER ASPECTS OF THE HOME OR THE SITE.

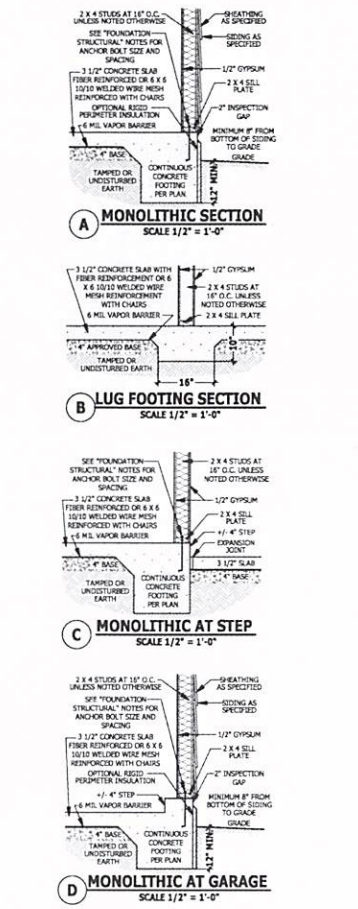
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**MONOLITHIC SLAB PLAN**  
**The Halifax II**

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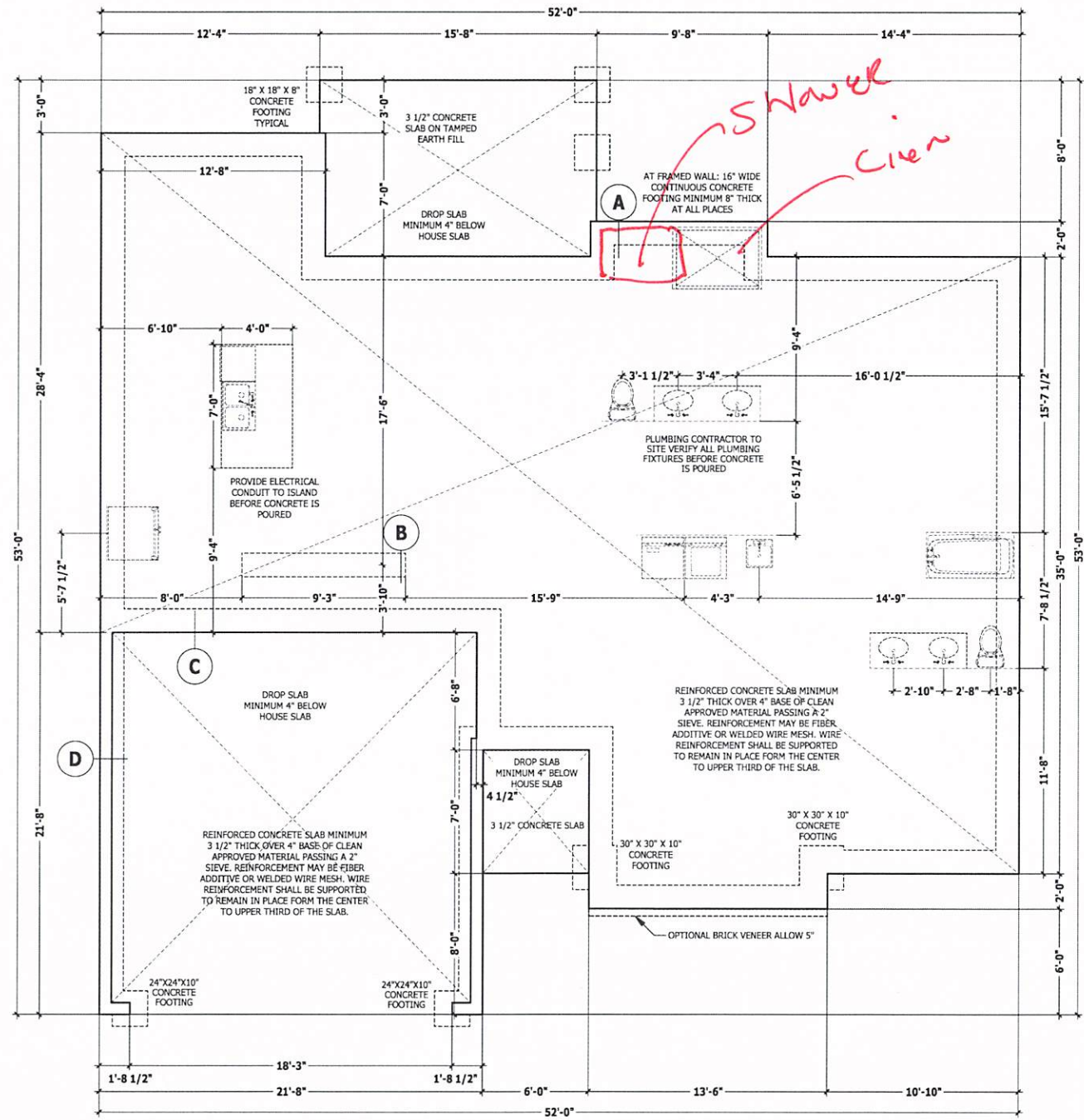
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SQUARE FOOTAGE	
HEATED FIRST FLOOR	1555 SQ. FT.
PORCH	284 SQ. FT.
TOTAL	1839 SQ. FT.
HEATED OPTIONAL SECOND FLOOR	1320 SQ. FT.
TOTAL	3159 SQ. FT.
UNHEATED GARAGE	448 SQ. FT.
FRONT PORCH	4 SQ. FT.
REAR PORCH	154 SQ. FT.
TOTAL	606 SQ. FT.
UNHEATED OPTIONAL THIRD GARAGE	398 SQ. FT.
TOTAL	298 SQ. FT.

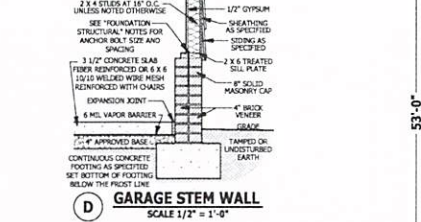
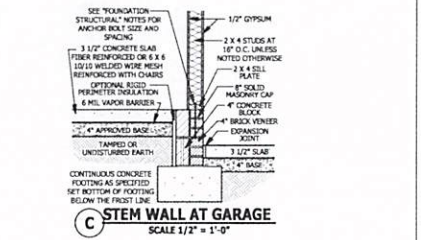
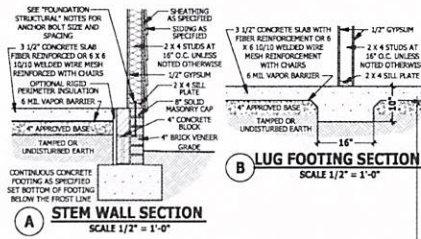


**FOUNDATION STRUCTURAL**

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

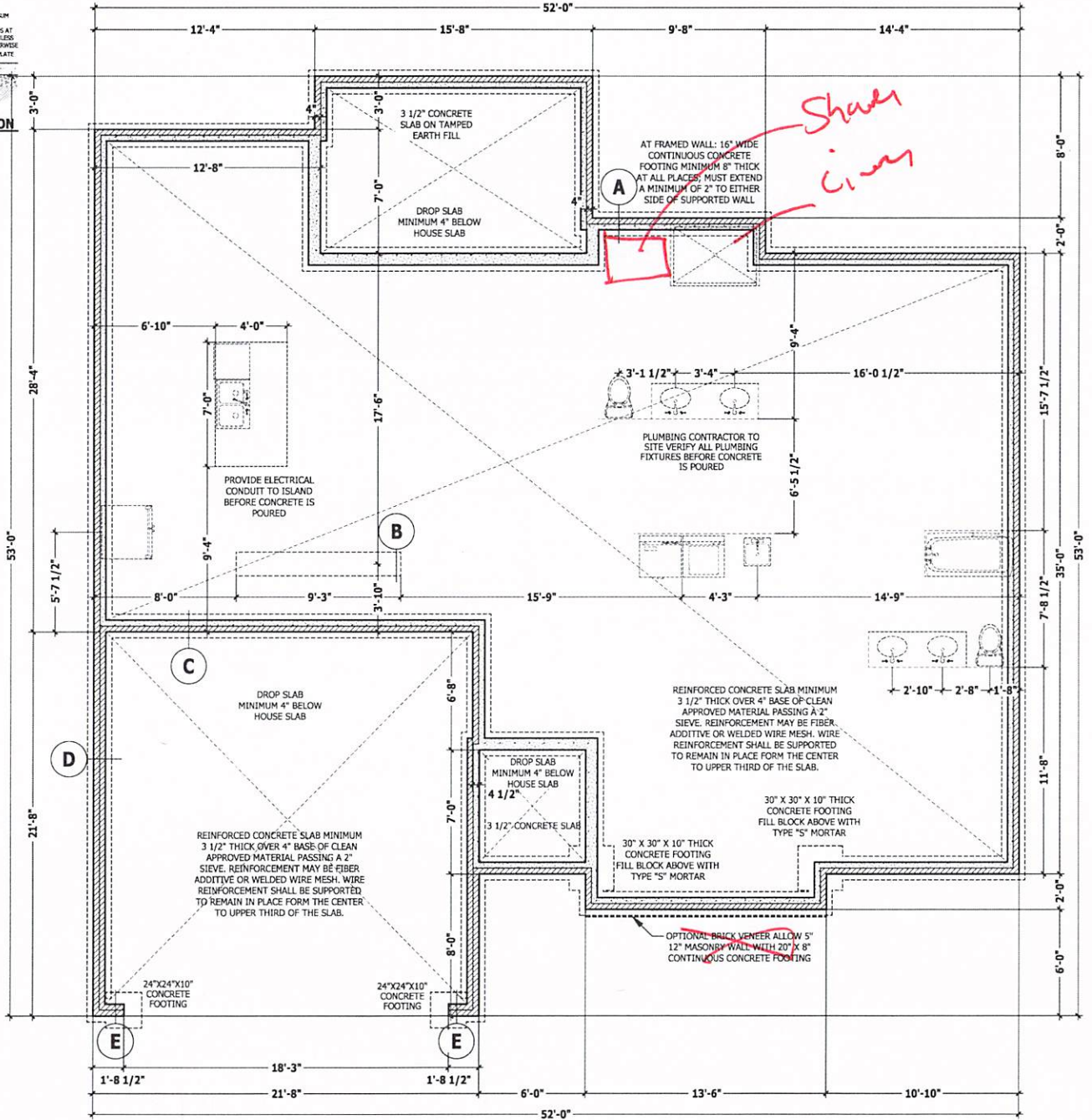


**MONOLITHIC SLAB PLAN**  
SCALE 1/4" = 1'-0"



**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.  
**GRIDERS:** (1) 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.  
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**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 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.



*Shade lines*

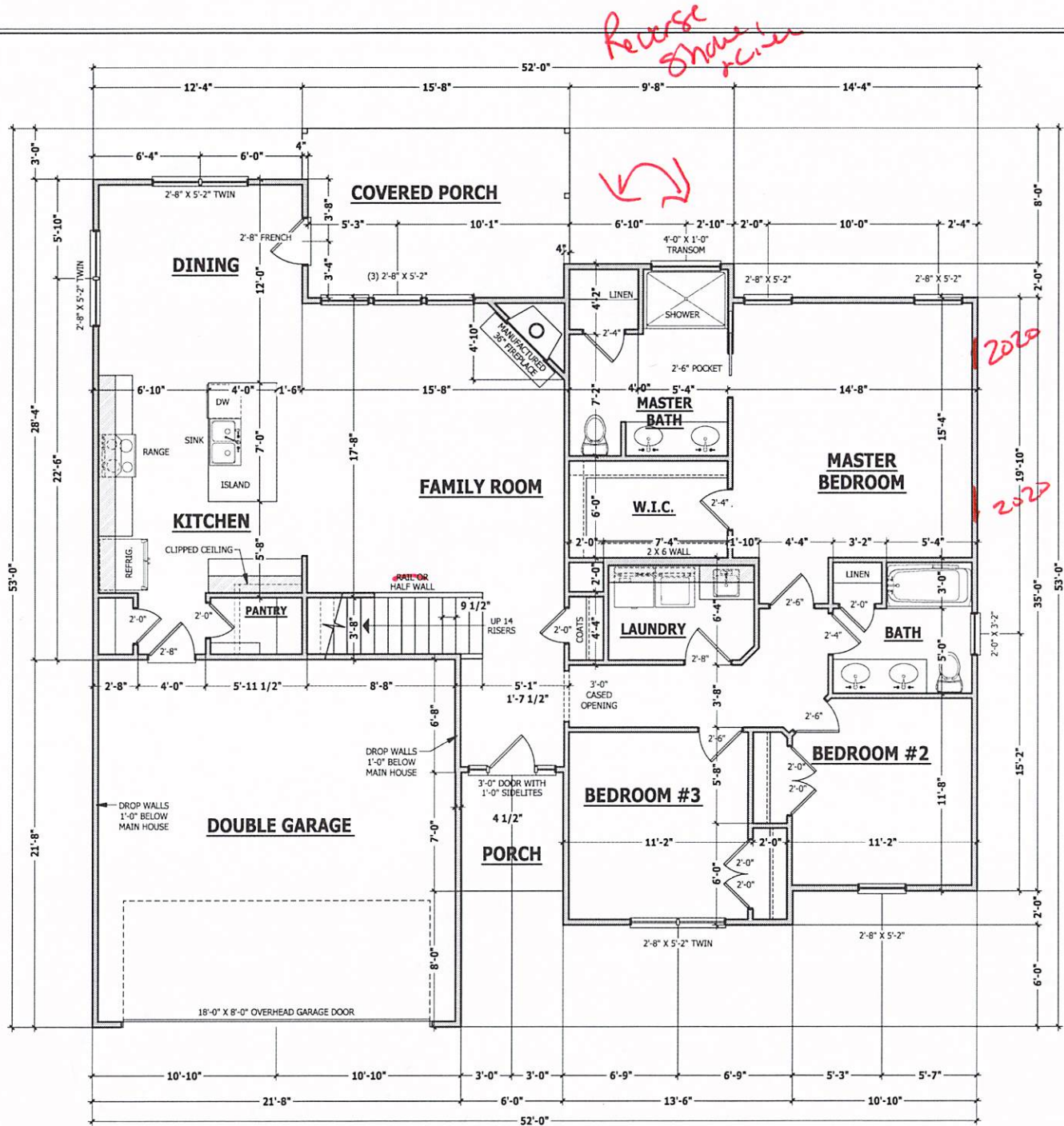
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**STEM WALL SLAB PLAN**  
**The Halifax II**

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SQUARE FOOTAGE	
HEATED FIRST FLOOR	1535 SQ. FT.
UNHEATED FRONT PORCH	298 SQ. FT.
TOTAL	1833 SQ. FT.
HEATED OPTIONAL SECOND FLOOR	575 SQ. FT.
TOTAL	2408 SQ. FT.
UNHEATED GARAGE	448 SQ. FT.
FRONT PORCH	45 SQ. FT.
REAR PORCH	154 SQ. FT.
TOTAL	647 SQ. FT.
UNHEATED OPTIONAL THIRD GARAGE	298 SQ. FT.
TOTAL	2945 SQ. FT.



**SQUARE FOOTAGE**

<b>HEATED</b>	
FIRST FLOOR	1555 SQ. FT.
PALYROOM	264 SQ. FT.
TOTAL	1819 SQ. FT.
<b>HEATED OPTIONAL</b>	
SECOND FLOOR	570 SQ. FT.
TOTAL	570 SQ. FT.
<b>UNHEATED</b>	
GARAGE	448 SQ. FT.
FRONT PORCH	42 SQ. FT.
REAR PORCH	154 SQ. FT.
TOTAL	644 SQ. FT.
<b>UNHEATED OPTIONAL</b>	
THIRD GARAGE	298 SQ. FT.
TOTAL	298 SQ. FT.

**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.  
**CEILING.** A minimum of 1/2" gypsum must be installed on the garage ceiling if there are no habitable rooms above the garage. If there are habitable rooms 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.

**WALL THICKNESSES**

Exterior walls and walls adjacent to a garage area are drawn as 4" or as noted 2 X 6 are drawn as 6" to include 1/2" sheathing or gypsum. Subtract 1/2" for stud face.  
 Interior walls are drawn as 3 1/2" or as noted 2 X 6 are drawn as 5 1/2", and do not include gypsum.

**FIRST FLOOR PLAN**

SCALE 1/4" = 1'-0"

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**FIRST FLOOR PLAN**  
**The Halifax II**

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<b>SQUARE FOOTAGE</b>	
<b>HEATED</b>	
FIRST FLOOR	1555 SQ. FT.
PALYROOM	264 SQ. FT.
TOTAL	1819 SQ. FT.
<b>HEATED OPTIONAL</b>	
SECOND FLOOR	570 SQ. FT.
TOTAL	570 SQ. FT.
<b>UNHEATED</b>	
GARAGE	448 SQ. FT.
FRONT PORCH	42 SQ. FT.
REAR PORCH	154 SQ. FT.
TOTAL	644 SQ. FT.
<b>UNHEATED OPTIONAL</b>	
THIRD GARAGE	298 SQ. FT.
TOTAL	298 SQ. FT.



## 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) and all treated lumber shall be SYP #2 (Fb = 750 PSI) unless noted otherwise.

**ENGINEERED WOOD BEAMS:**  
 Laminated veneer lumber (LVL) = Fb=2600 PSI, Fv=285 PSI, E=1.9x10<sup>6</sup> PSI  
 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.

**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-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.

**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 knee 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.

## ATTIC ACCESS

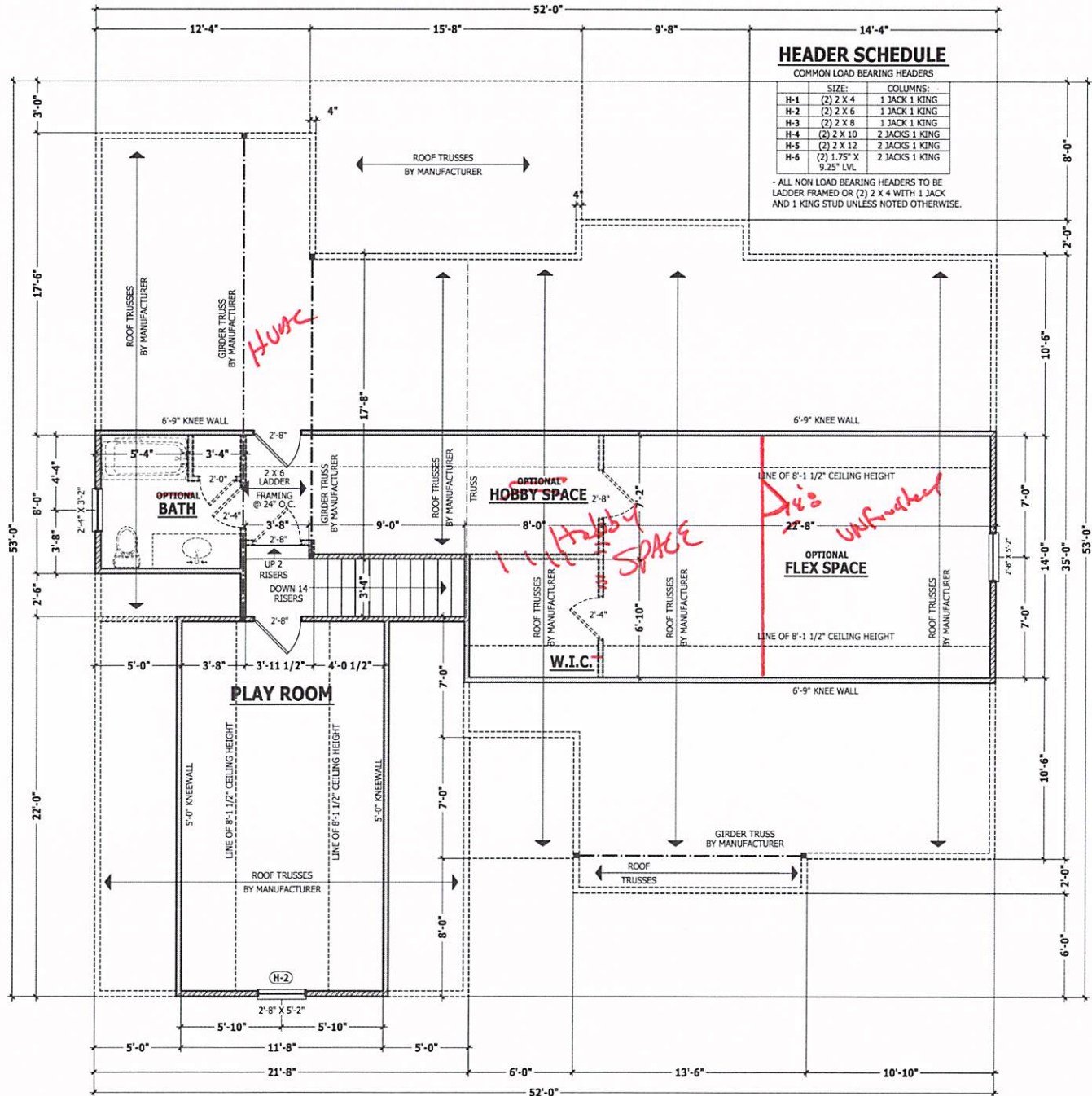
**SECTION RB07**  
**RB07.1 Attic access.** An attic access opening shall be provided to attic areas that exceed 400 square feet (37.16 m<sup>2</sup>) and have a vertical height of 60 inches (1524 mm) or greater. The net clear opening shall not be less than 20 inches (508 mm) by 762 mm and shall be located in a hallway or other readily accessible location. A 30-inch (762 mm) minimum unobstructed headroom in the attic space shall be provided at some point above the access opening. See Section M1305.1.3 for access requirements where mechanical equipment is located in attics.

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

## WALL THICKNESSES

Exterior walls and walls adjacent to a garage area are drawn as 4" or as noted 2 X 6 are drawn as 6" to include 1/2" sheathing or gypsum. Subtract 1/2" for stud face.

Interior walls are drawn as 3 1/2" or as noted 2 X 6 are drawn as 5 1/2", and do not include gypsum.



### HEADER SCHEDULE

COMMON LOAD BEARING HEADERS

SIZE:	COLUMNS:
H-1 (2) 2 X 4	1 JACK 1 KING
H-2 (2) 2 X 6	1 JACK 1 KING
H-3 (2) 2 X 8	1 JACK 1 KING
H-4 (2) 2 X 10	2 JACKS 1 KING
H-5 (2) 2 X 12	2 JACKS 1 KING
H-6 (2) 1 7/8" X 9.25" LVL	2 JACKS 1 KING

- ALL NON LOAD BEARING HEADERS TO BE LADDER FRAMED OR (2) 2 X 4 WITH 1 JACK AND 1 KING STUD UNLESS NOTED OTHERWISE.

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**SECOND FLOOR PLAN**  
**The Halifax II**

**HAYNES WEAVER HOME PLANS, INC.**  
 HOME PLANS, INC.  
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 P.O. Box 702, Jamestown, NC 27538 • 919-435-9180 • Fax: 1-866-941-4366

**SQUARE FOOTAGE**

HEATED	UNHEATED
FIRST FLOOR	1555 SQ FT
PORCH	204 SQ FT
TOTAL	1759 SQ FT
HEATED OPTIONAL	576 SQ FT
TOTAL	2335 SQ FT
UNHEATED	446 SQ FT
FRONT PORCH	146 SQ FT
REAR PORCH	146 SQ FT
TOTAL	2927 SQ FT
UNHEATED OPTIONAL	298 SQ FT
TOTAL	3225 SQ FT

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**3/21/2019**  
**190308B**  
**PAGE 6 OF 8**

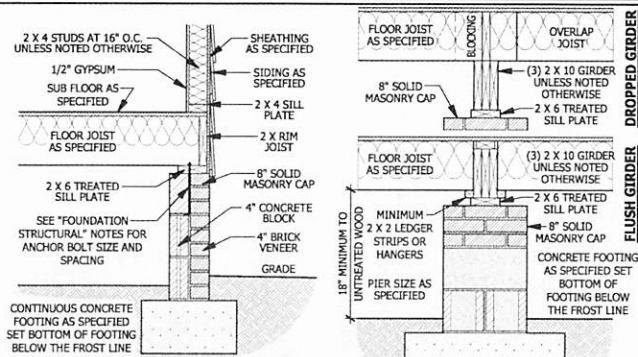
## SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

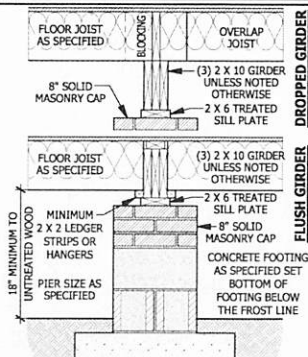
Z:\Builder\Weaver Development Company, Inc\190308B Halifax\190308B Halifax Left.dwg



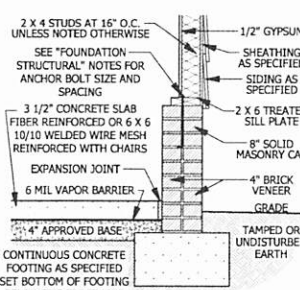




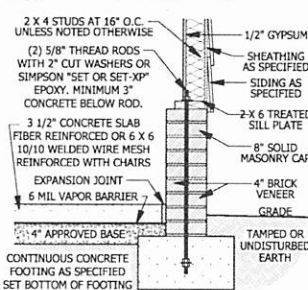
**A CRAWL SPACE WALL**  
SCALE 3/4" = 1'-0"



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



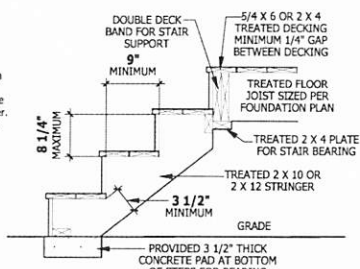
**D GARAGE STEM WALL**  
SCALE 3/4" = 1'-0"



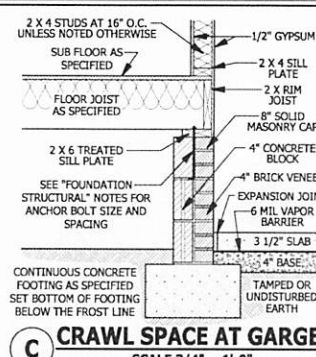
**E <48\"/>**

**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 out 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.

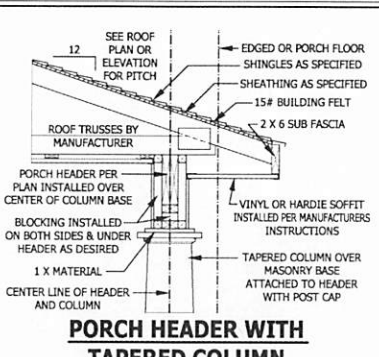
**DECK BRACING**  
SECTION AM109  
AM109.1 Deck bracing. Decks shall be braced to provide lateral stability. The following are acceptable means to provide lateral stability.  
AM109.1.1. When the deck floor height is less than 4'-0\"/>



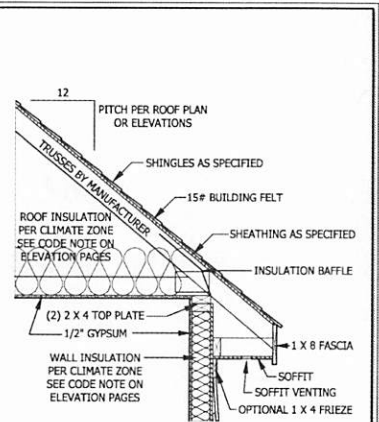
**F FILLED PORCH SECTION WITH VENT**  
SCALE 1/2" = 1'-0"



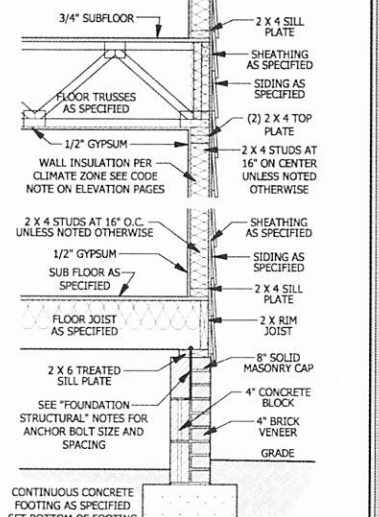
**C CRAWL SPACE AT GARGE**  
SCALE 3/4" = 1'-0"



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



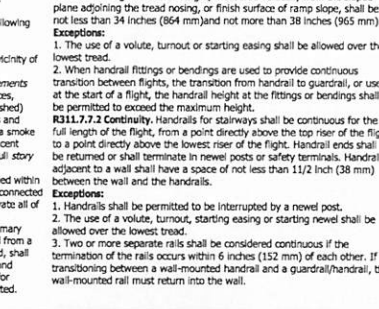
**H CARBON MONOXIDE ALARMS**  
SCALE 3/4" = 1'-0"



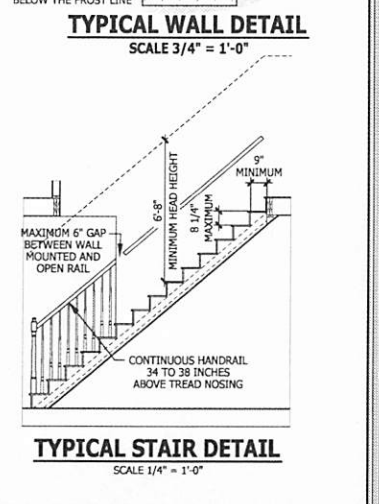
**I TYPICAL WALL DETAIL**  
SCALE 3/4" = 1'-0"

**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. 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 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.

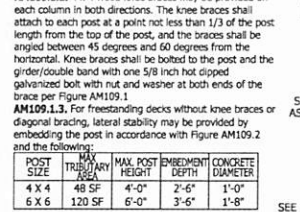
**STAIRWAY NOTES**  
R311.7 Headroom. The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2032 mm) measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on that portion of the stairway.  
R311.7.2 Tread depth. The minimum tread depth shall be 9 inches (229 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.  
R311.7.3 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 treads.  
R311.7.4 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 line 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).  
R311.7.7.2 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 terminations. Handrails adjacent to a wall shall have a space of not less than 1 1/2 inch (38 mm) between the wall and handrail.  
R311.7.7.3 Exceptions:  
1. The use of a volute, turnout or starting easing shall be allowed over the lowest tread.  
2. When handrail fittings or bindings 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 bindings shall be permitted to exceed the maximum height.  
R311.7.7.4 Continuity. Handrails 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 terminations. Handrails adjacent to a wall shall have a space of not less than 1 1/2 inch (38 mm) between the wall and handrail.  
R311.7.7.5 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 to the wall.



**J SMOKE ALARMS**  
SCALE 1/2" = 1'-0"



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



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

**WEEP SCREEDS**  
All weep screeds and stone veneer to be installed per manufacturers instructions and per the 2012 North Carolina Residential Building code.  
R703.6.2.1 - A minimum 0.019-inch (0.5 mm) (No. 26 galvanized sheet gage), corrosion-resistant weep screed or plastic weep screed, with a minimum vertical attachment flange of 3/12 inches (89 mm) shall be provided at or below the foundation plate line on exterior stud walls in accordance with ASTM C 926. The weep screed shall be placed a minimum of 4 inches (102 mm) above the earth or 2 inches (51 mm) above paved areas and shall be of a type that will allow trapped water to drain to the exterior of the building. The weather-resistant barrier shall lap the attachment flange. The exterior lath shall cover and terminate on the attachment flange of the weep screed.

POST SIZE	TRUSS SPACING	MAX. POST HEIGHT	MAX. POST 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"

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SQUARE FOOTAGE	HEATED	UNHEATED
FIRST FLOOR	1555 sq. ft.	
FULL FLOOR	264 sq. ft.	
HEATED OPTIONAL SECOND FLOOR	576 sq. ft.	
TOTAL	2395 sq. ft.	
UNHEATED GARAGE	448 sq. ft.	
REAR PORCH	84 sq. ft.	
REAR PORCH	134 sq. ft.	
TOTAL	666 sq. ft.	
UNHEATED OPTIONAL THIRD GARAGE	398 sq. ft.	
TOTAL	286 sq. ft.	