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

MEAN ROOF HEIGHT: 18'-4"

MEAN ROOF HEIGHT: 18'-4	1"	HEIGHT TO R	RIDGE: 24'-8"
CLIMATE ZONE	ZONE 3A	ZONE 4A	ZONE 5A
FENESTRATION U-FACTOR	0.35	0.35	0.35
SKYLIGHT U-FACTOR	0.55	0.55	0.55
GLAZED FENESTRATION SHGC	0.30	0.30	0.30
CEILING R-VALUE	38 or 30ci	38 or 30ci	38 or 30ci
WALL R-VALUE	15	15	19
FLOOR R-VALUE	19	19	30
* BASEMENT WALL R-VALUE	5/13	10/15	10/15
** SLAB R-VALUE	0	10	10
* CRAWL SPACE WALL R-VALUE	5/13	10/15	10/19

\* "10/13" MEANS R-10 SHEATHING INSULATION OR R-13 CAVITY INSULATION \*\* INSULATION DEPTH WITH MONOLITHIC SLAB 24" OR FROM INSPECTION GAP TO BOTTOM OF FOOTING; INSULATION DEPTH WITH STEM WALL SLAB 24" OR TO BOTTOM OF FOUNDATION WALL

1001110, 11001			1916111			00011011		DATION	ιL.
DESIGNED FOR WIN	D SPEED	OF 120 MF	PH, 3 SECO	ond Gust	(93 FAST	EST MILE)	EXPOSUR	E "B"	
COMPONENT									
MEAN ROOF	UP T	O 30'	30'-1"	TO 35'	35'-1"	TO 40'	40'-1"	TO 45'	
								-16.8	
ZONE 2	14.2	-18.0	14.9	-18.9	15.5	-19.6	15.9	-20.2	
		100		100					

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 WIN	DESIGNED FOR WIND SPEED OF 130 MPH, 3 SECOND GUST (101 FASTEST MILE) EXPOSURE "B"								
COMPONENT	& CLA	DDING	DESIG	NED FC	R THE	FOLLO'	WING I	OADS	
MEAN ROOF	UP T	O 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				
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	

### **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 doth screening, hardware cloth, or similar material with openings having a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.7.

**R806.2 Minimum area.** The total net free ventilating area shall not be less than 1/150 of the area of the space ventilated except that reduction of the total area to 1/300 is permitted provided that at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above the eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling. 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 = 2,192 SQ.FT. NET FREE CROSS VENTILATION NEEDED:

WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 14.61 SO.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 = 7.31 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 stripped or otherwise sealed with an air barrier material or solid material consistent with Appendix E-2.4 of this code: 1. Blocking and sealing floor/ceiling systems and under knee walls

open to unconditioned or exterior space. 2. Capping and sealing shafts or chases, including flue shafts.

3. Capping and sealing soffit or dropped ceiling areas.

12 RIDGE VENT AS REQUIRED RIDGE VENT AS REQUIRED COMPOSITION COMPOSITION SHINGLES AS SIDING AS SHINGLES AS SPECIFIED Ĕ₩╕Ĕ₩╕Ĕ₩╕Ĕ₩╕Ĕ₩╕Ĕ₩╕Ĕ₩╕Ĕ₩╕Ĕ₩ ĸ╌┥ĸ╌┥ĸ╌┥ĸ╌┥ĸ╌┥ĸ╌┥ĸ╌┥ ╒╴╸┍╴╸╒╴╸╒╴╸┍╴╸┍╴╸┍╴╸╒╴╸ RAIL AS NEEDED **LEFT SIDE ELEVATION** PER CODE

SCALE 1/8" = 1'-0"

**SQUARE FOOTAGE** 

UNHEATED OPTIONAL

1553 SQ FT 1553 SQ FT

419 SQ.FT 103 SQ.FT

66 SQ FT.

117 SQ FT. 705 SQ FT.

292 SQ FT 292 SQ FT

HEATED

TOTAL

GARAGE FRONT PORCH

TOTAL

TOTAL

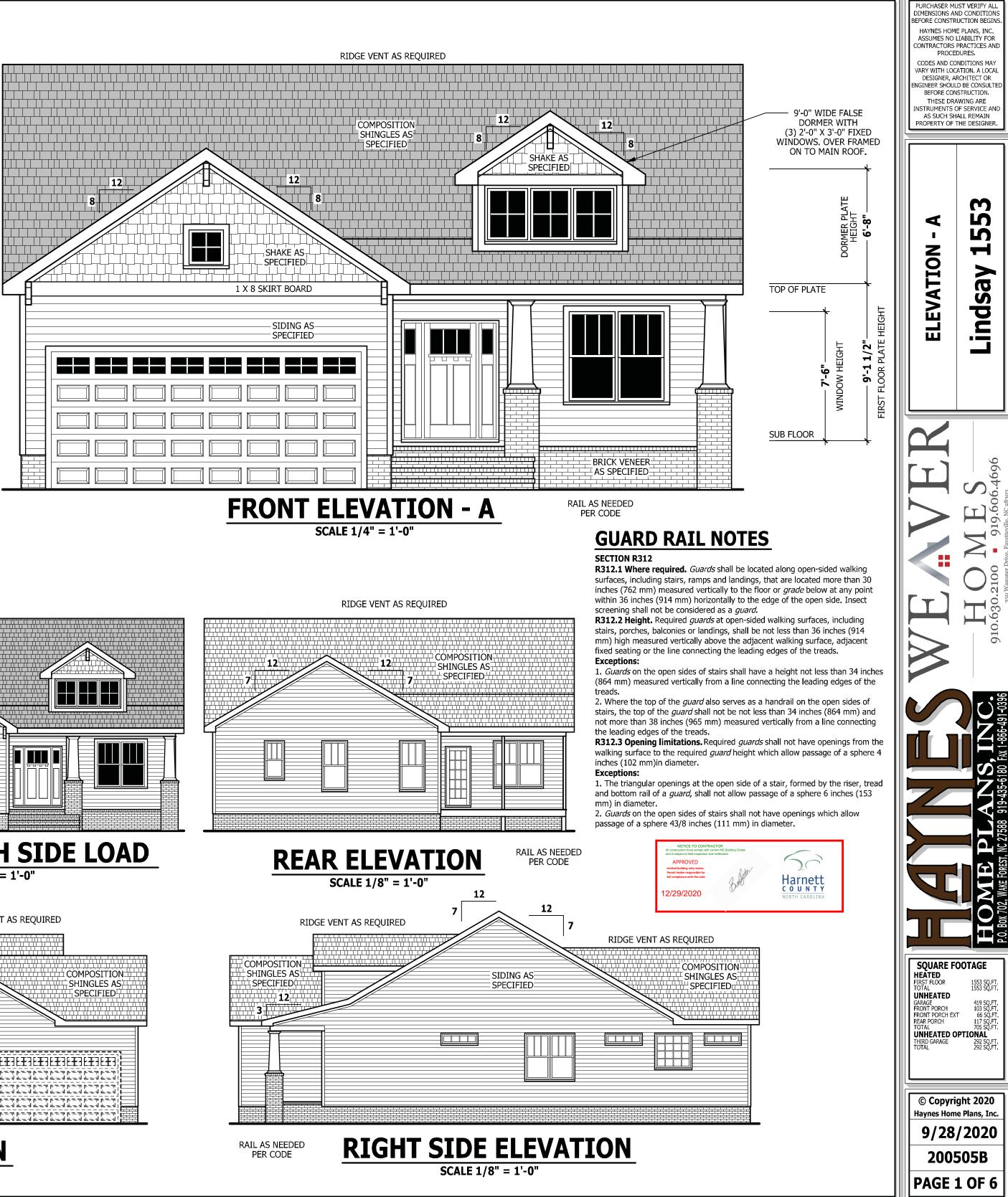
FIRST FLOOR

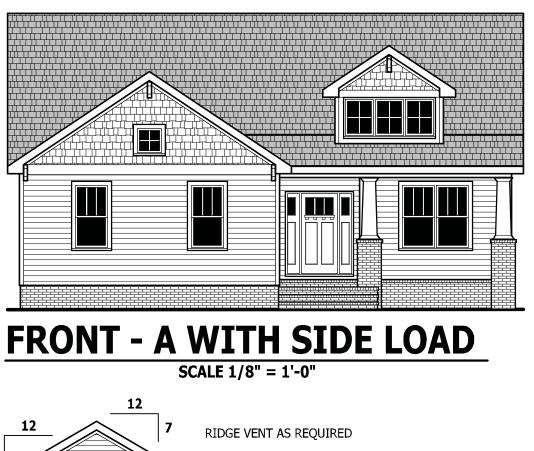
UNHEATED

REAR PORCH

THIRD GARAGE

FRONT PORCH EXT





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

MEAN ROOF HEIGHT: 18'-4"

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FLOOR R-VALUE	19	19	30
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DESIGNED FOR WIND SPEED OF 120 MPH, 3 SECOND GUST (93 FASTEST MILE) EXPOSURE "B" COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS

MEAN ROOF	UP T	O 30'	30'-1"	TO 35'	35'-1"	TO 40'	40'-1"	TO 45'
ZONE 1	14.2	-15.0	14.9	-15.8	15.5	-16.4	15.9	-16.8
ZONE 2	14.2	-18.0	14.9	-18.9	15.5	-19.6	15.9	-20.2
ZONE 3	14.2	-18.0	14.9	-18.9	15.5	-19.6	15.9	-20.2
ZONE 4	15.5	-16.0	16.3	-16.8	16.9	-17.4	17.4	-17.9
ZONE 5	15.5	-20.0	16.3	-21.0	16.9	-21.8	17.4	-22.4
DESIGNED FOR WIND SPEED OF 130 MPH, 3 SECOND GUST (101 FASTEST MILE) EXPOSURE "B"								
COMPONENT								
	& CLA		DESIG		R THE		WING	
COMPONENT	& CLA	DDING	DESIG 30'-1"	NED FC	OR THE 35'-1"	FOLLO TO 40'	WING 40'-1"	LOADS TO 45'
COMPONENT MEAN ROOF	& CLA UP T	DDING O 30'	DESIG 30'-1"	NED FC TO 35'	OR THE 35'-1" 18.2	FOLLO TO 40' -19.6	WING 40'-1" 18.7	LOADS TO 45' -20.2
COMPONENT MEAN ROOF ZONE 1	& CLA UP T 16.7	DDING O 30' -18.0	DESIG 30'-1" 17.5	NED FC TO 35' -18.9	OR THE 35'-1" 18.2 18.2	FOLLO TO 40' -19.6	WING 40'-1" 18.7 18.7	LOADS TO 45' -20.2 -23.5
COMPONENT MEAN ROOF ZONE 1 ZONE 2	& CLA UP T 16.7 16.7	DDING O 30' -18.0 -21.0	DESIG 30'-1" 17.5 17.5	NED FC TO 35' -18.9 -22.1	DR THE 35'-1" 18.2 18.2 18.2	FOLLO TO 40' -19.6 -22.9	WING 40'-1" 18.7 18.7 18.7	LOADS TO 45' -20.2 -23.5 -23.5

### **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.

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VAPOR RETARDER ON WARM-IN-WINTER SIDE OF CEILING = 7.31 SQ.FT.

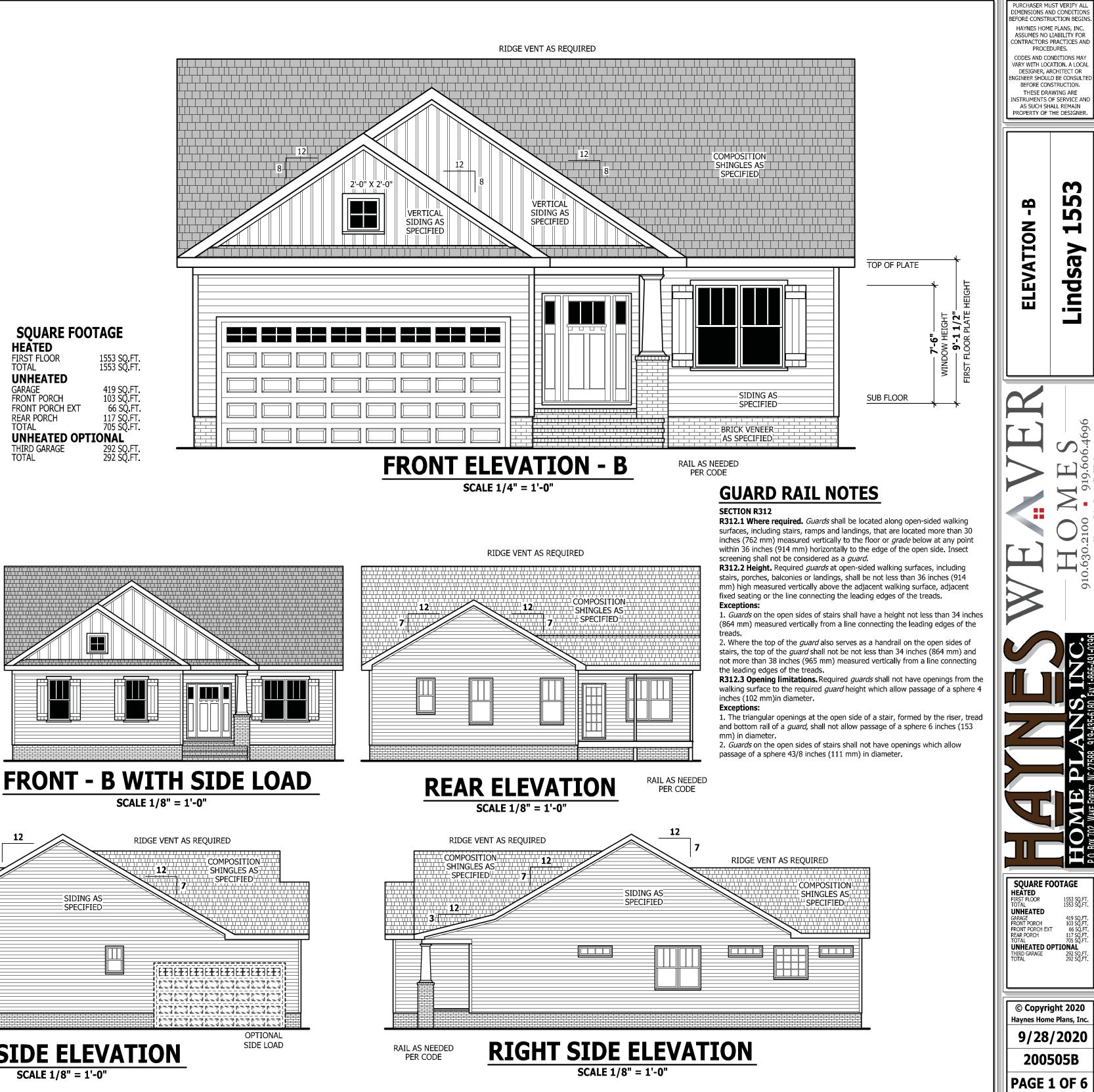
### **AIR LEAKAGE**

#### Section N1102.4

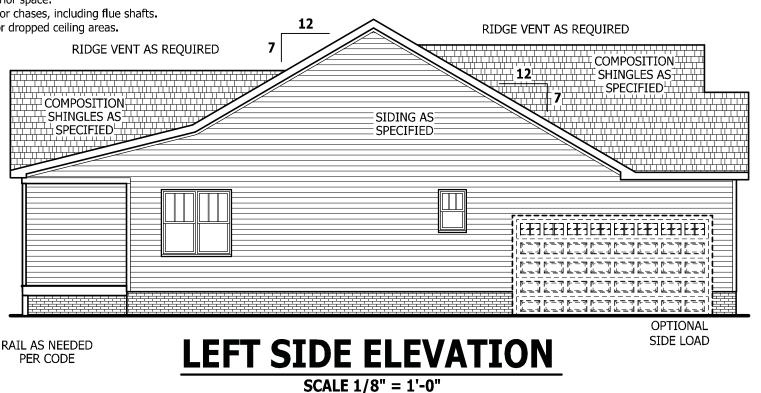
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open to unconditioned or exterior space. 2. Capping and sealing shafts or chases, including flue shafts.

3. Capping and sealing soffit or dropped ceiling areas.







**SQUARE FOOTAGE** 

UNHEATED OPTIONAL

1553 SQ FT 1553 SQ FT

419 SQ.FT 103 SQ.FT

66 SQ FT.

117 SQ FT. 705 SQ FT.

292 SQ FT 292 SQ FT

HEATED

FIRST FLOOR

UNHEATED

FRONT PORCH

REAR PORCH

THIRD GARAGE

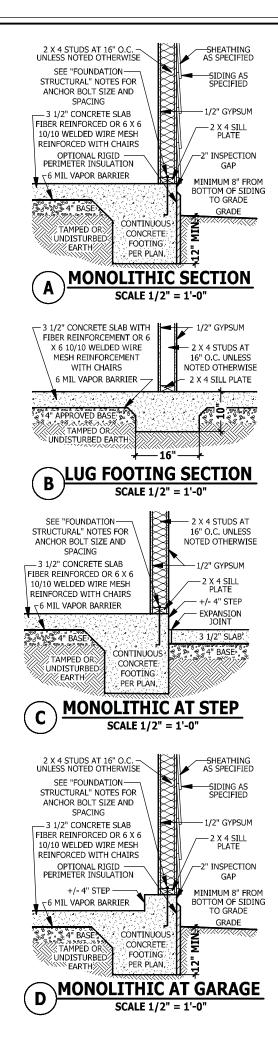
FRONT PORCH EXT

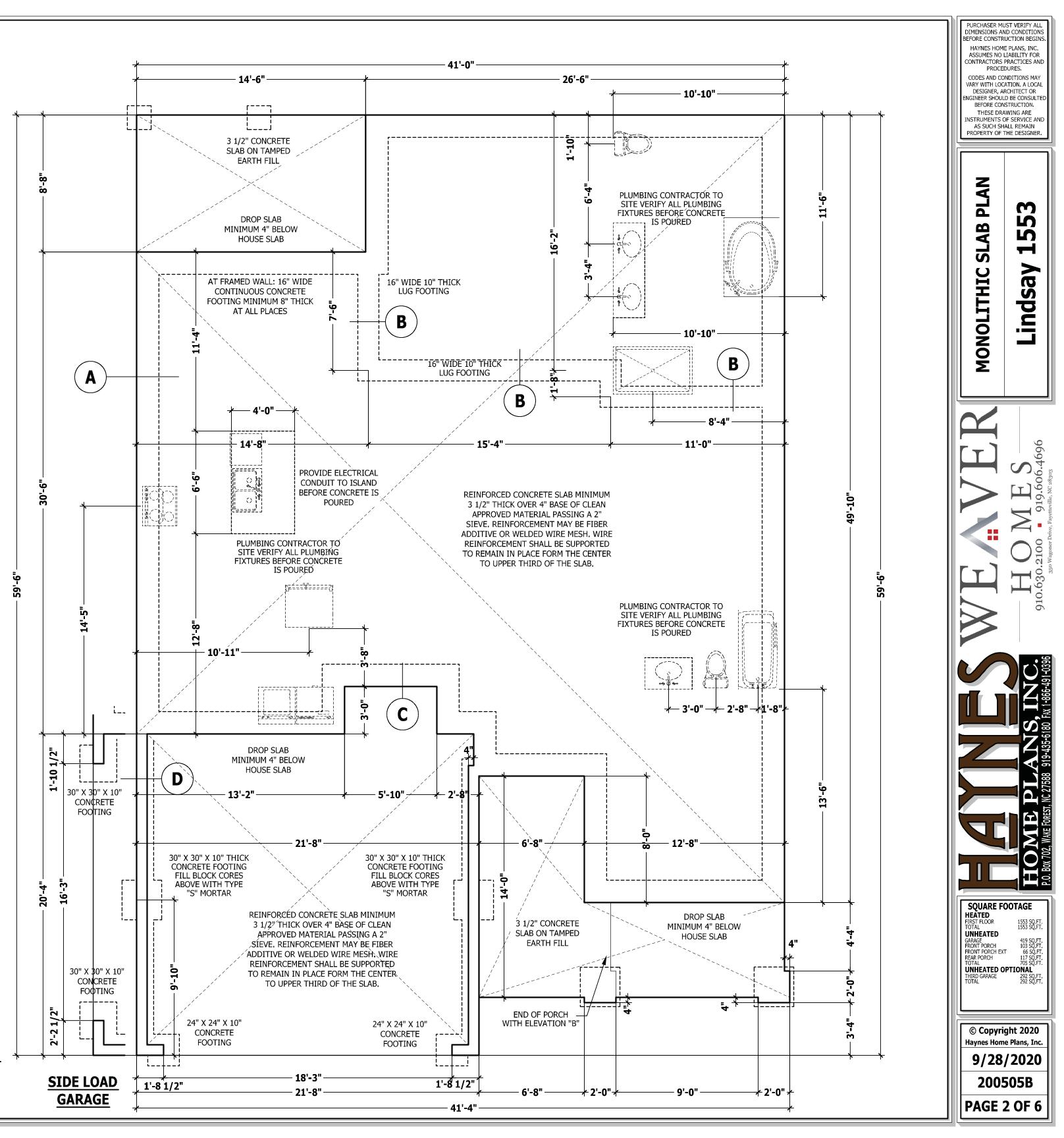
TOTAL

GARAGE

TOTAL

TOTAL





## 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 extended 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

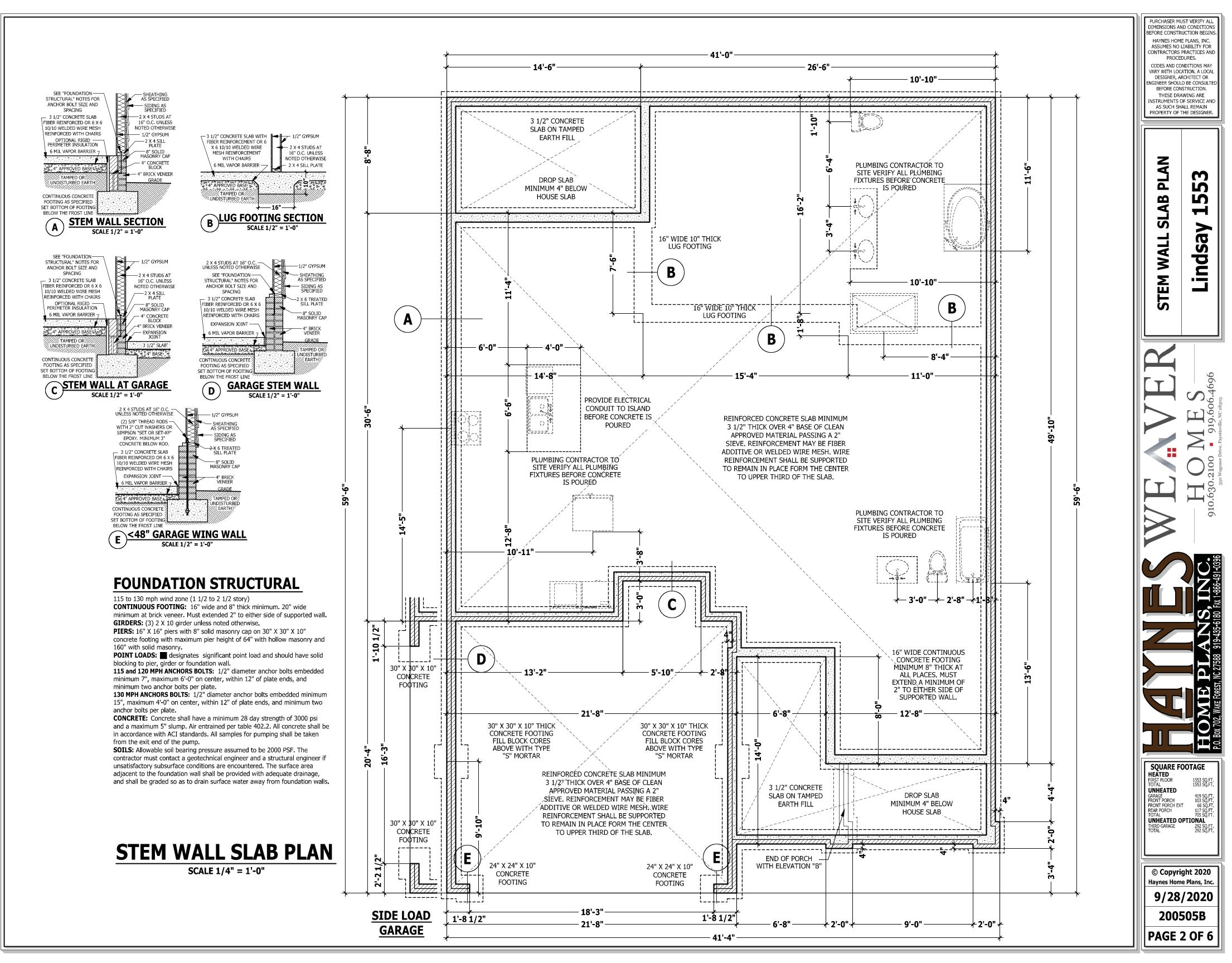
minimum 7", maximum 6'-0" on center, within 12" of plate ends, and
minimum two anchor bolts per plate.
130 MPH ANCHORS BOLTS: 1/2" diameter anchor bolts embedded minimum

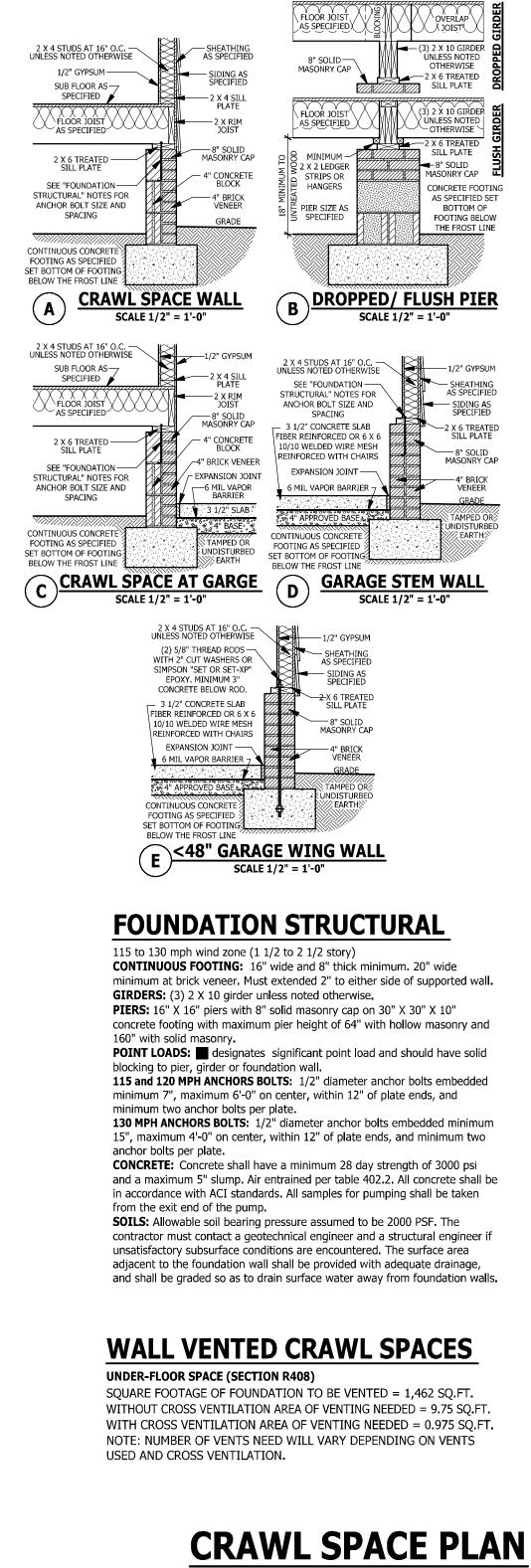
15", maximum 4'-0" on center, within 12" of plate ends, and minimum two anchor bolts per plate.

**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.

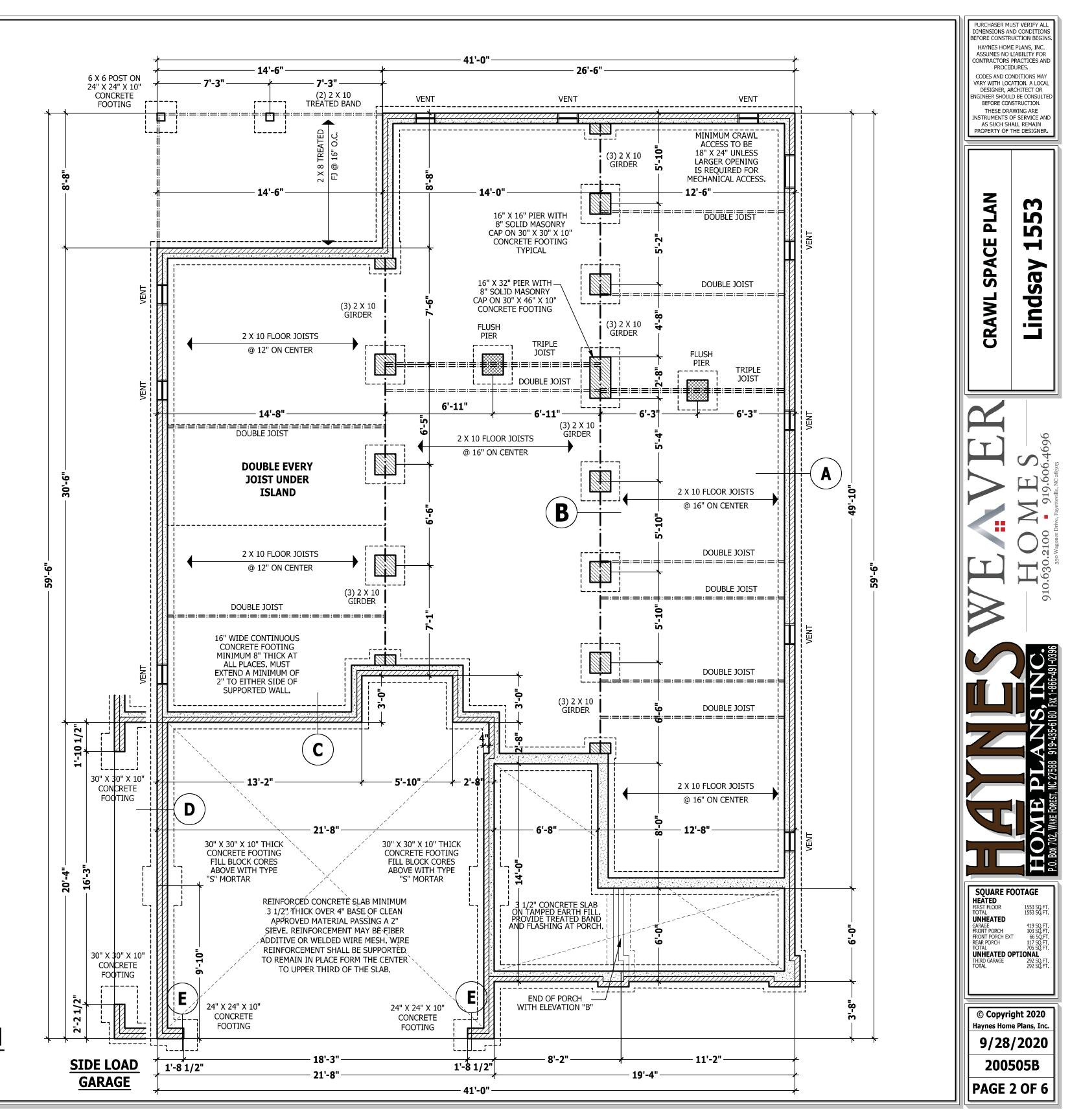
**SOILS:** Allowable soil bearing pressure assumed to be 2000 PSF. The contractor must contact a geotechnical engineer and a structural engineer if unsatisfactory subsurface conditions are encountered. The surface area adjacent to the foundation wall shall be provided with adequate drainage, and shall be graded so as to drain surface water away from foundation walls.







SCALE 1/4" = 1'-0"



# **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 m2) and have a vertical height of 60 inches (1524 mm) or greater. The net clear opening shall not be less than 20 inches by 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. 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.

### **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.

1553 SQ.FT. 1553 SQ.FT.

419 SQ.FT. 103 SQ.FT.

66 SQ.FT

117 SQ FT 705 SQ FT

292 SQ FT 292 SQ FT

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

**SQUARE FOOTAGE** 

UNHEATED OPTIONAL

HEATED

FIRST FLOOR TOTAL

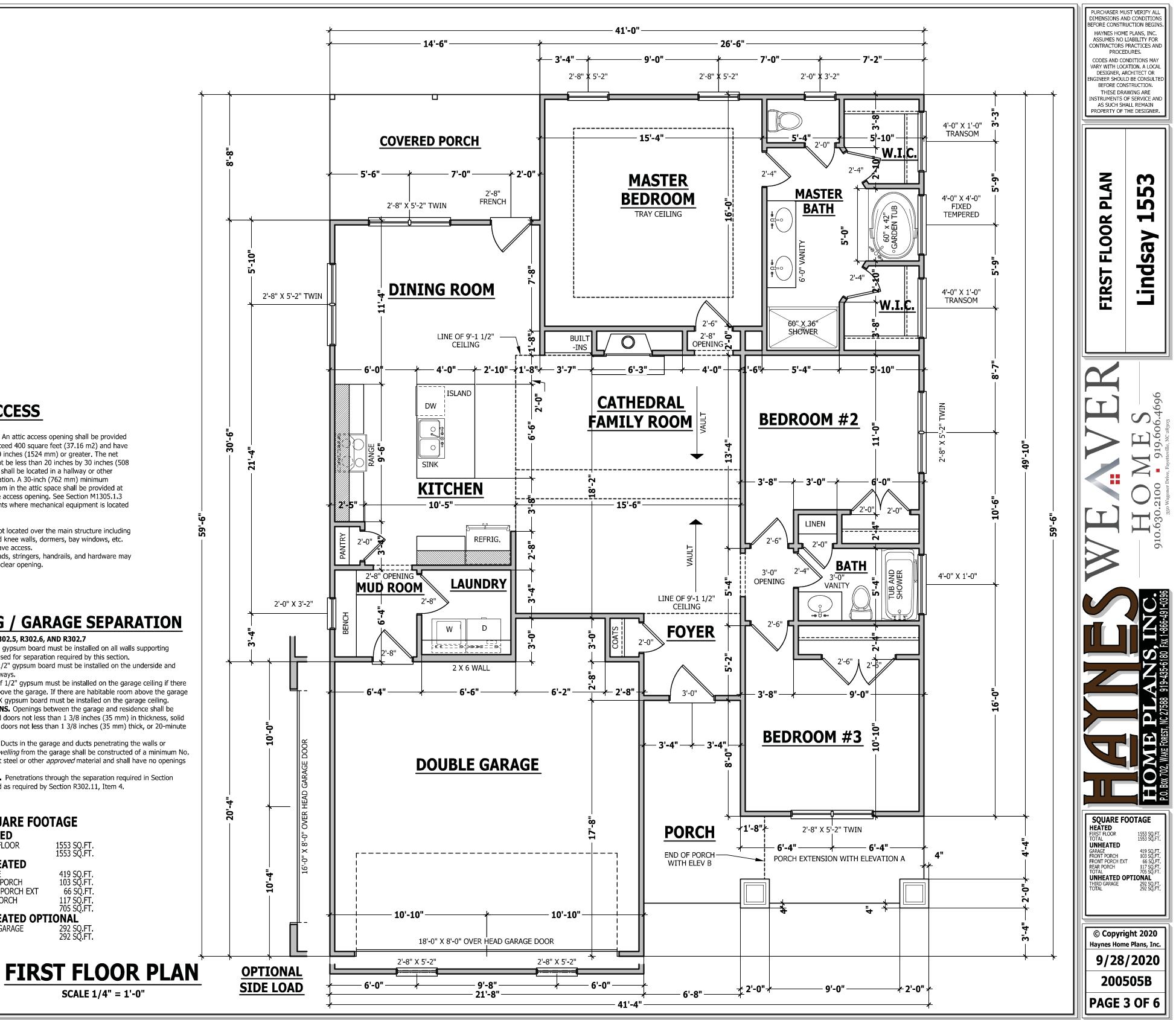
UNHEATED

GARAGE FRONT PORCH

REAR PORCH TOTAL

THIRD GARAGE

FRONT PORCH EXT



# 4 X 4 TREATED POST OR EQUIVALENT TYPICAL. ATTACH RAFTERS TO HEADER WITH HURRICANE

### **STRUCTURAL NOTES**

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

JOB SITE PRACTICES AND SAFETY: Haynes Home Plans, Inc. assumes no liability for contractors practices and procedures or safety program. Haynes Home Plans, Inc. takes no responsibility for the contractor's failure to carry out the construction work in accordance with the contract documents. All members shall be framed, anchored, and braced in accordance with good construction practice and the building code.

5			
DESIGN LOADS	LIVE LOAD	DEAD LOAD	DEFLECTION
USE	(PSF)	(PSF)	(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	10	L/360
Snow	20		

**FRAMING LUMBER:** All non treated framing lumber shall be SPF #2 (Fb = 875 PSI) or SYP #2 (Fb = 750 PSI) and all treated lumber shall be SYP #2 (Fb = 750 PSI) unless noted other wise.

#### **ENGINEERED WOOD BEAMS**:

Laminated veneer lumber (LVL) = Fb=2600 PSI, Fv=285 PSI, E=1.9x106 PSI Parallel strand lumber (PSL) = Fb=2900 PSI, Fv=290 PSI, E=2.0x106 PSI Laminated strand lumber (LSL) Fb=2250 PSI, Fv=400 PSI, E=1.55x106 PSI Install all connections per manufacturers instructions.

TRUSS AND I-JOIST MEMBERS: All roof truss and I-joist layouts shall be prepared in accordance with this document. Trusses and I-joists shall be installed according to the manufacture's specifications. Any change in truss or I-joist layout shall be coordinated with Haynes Homes Plans, Inc. **LINTELS:** Brick lintels shall be 3 1/2" x 3 1/2" x 1/4" steel angle for up to 6'-0" span. 6" x 4" x 5/16" steel angle with 6" leg vertical for spans up to 9'-0" unless noted otherwise. 3 1/2" x 3 1/2" x 1/4" steel angle with 1/2" bolts at 2'-0" on center for spans up to 18'-0" unless noted otherwise. FLOOR SHEATHING: OSB or CDX floor sheathing

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

3/8" thick for 16" on center rafters and 7/16" for 24" on center rafters.

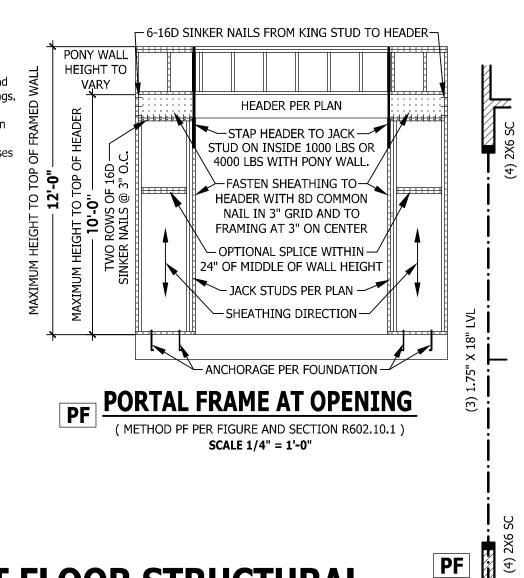
CONCRETE AND SOILS: See foundation notes.

### **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 Plan, Inc. attention before construction begins.

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

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



**EXTERIOR HEADERS** 

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

- 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** 

**BRACE WALL PANEL NOTES** 

CS-WSP or CS-SFB in accordance with section R602.10.3 unless

**EXTERIOR WALLS:** All exterior walls to be sheathed with

**GYPSUM:** All interior sides of exterior walls and both sides

GB to be fastened per table R602.10.1.

interior walls to have 1/2" gypsum installed. When not using

**REQUIRED LENGTH OF BRACING:** Required brace wall length

per table R602.10.3. Methods CS-WSP and CS-SFB contribute

their actual length. Method GB contributes 0.5 it's actual length.

**HD:** 800 lbs hold down hold down device fastened to the edge

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  $8d(2 1/2" \log x 0.113" diameter)$ .

3" on center at edges and 3" on center at intermediate

**GB:** Interior walls show as GB are to have minimum 1/2"

gypsum board on both sides of the wall fastened at 7" on

**CS-SFB:** Shall be minimum 1/2" structural fiber board nailed at

supports with 1 1/2" long x 0.12" diameter galvanized roofing

center at edges and 7" on center at intermediate supports with

for each side of the circumscribed rectangle are interpolated

Method PF contributes 1.5 times its actual length.

of the brace wall panel closets to the corner.

Methods Per Table R602.10.1

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

method GB gypsum to be fastened per table R702.3.5. Method

- NON LOAD BEARING HEADERS TO BE

UNLESS NOTED OTHERWISE

UNLESS NOTED OTHERWISE

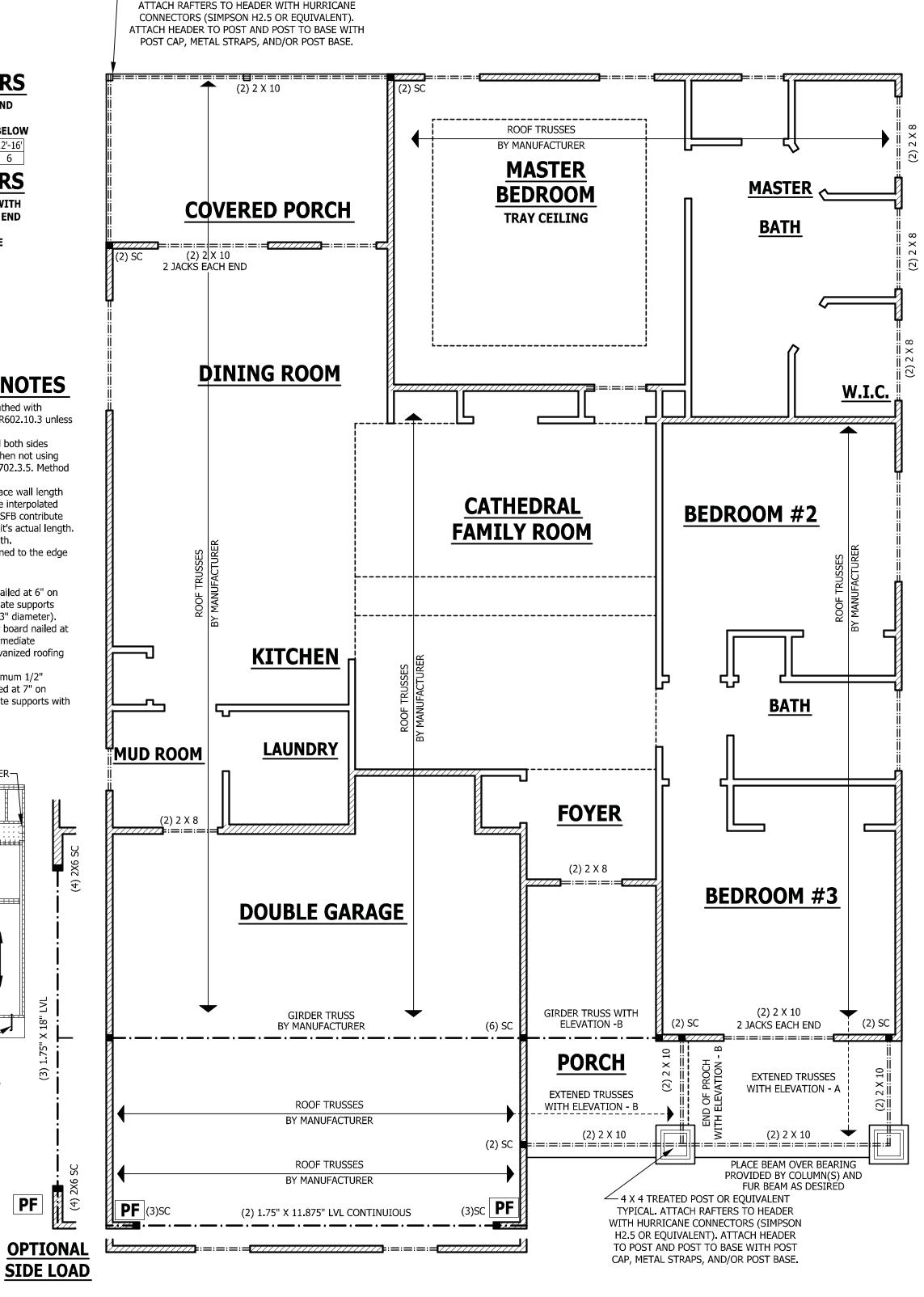
LADDER FRAMED

noted otherwise.

nails.

**FIRST FLOOR STRUCTURAL** 

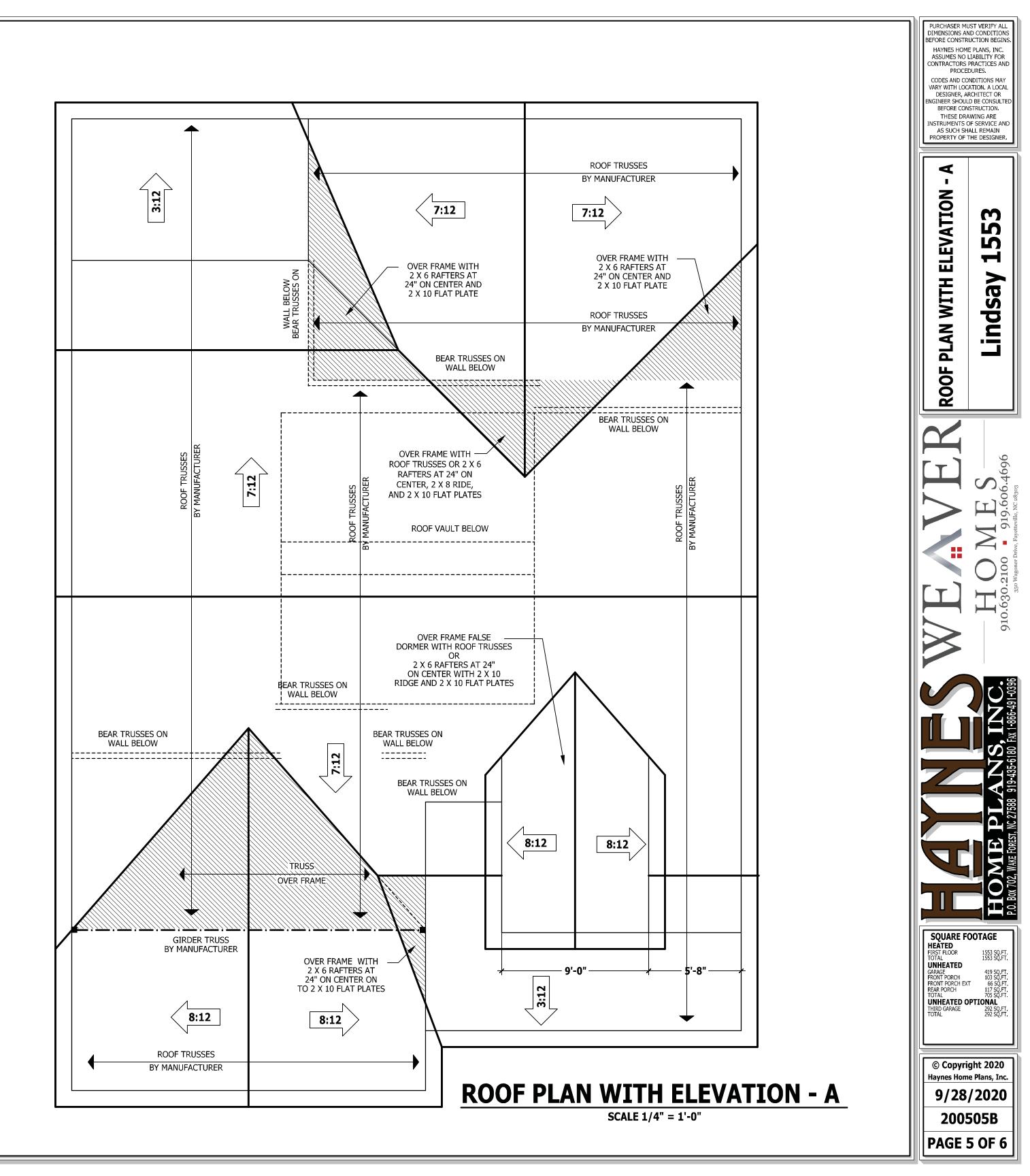
SCALE 1/4" = 1'-0"





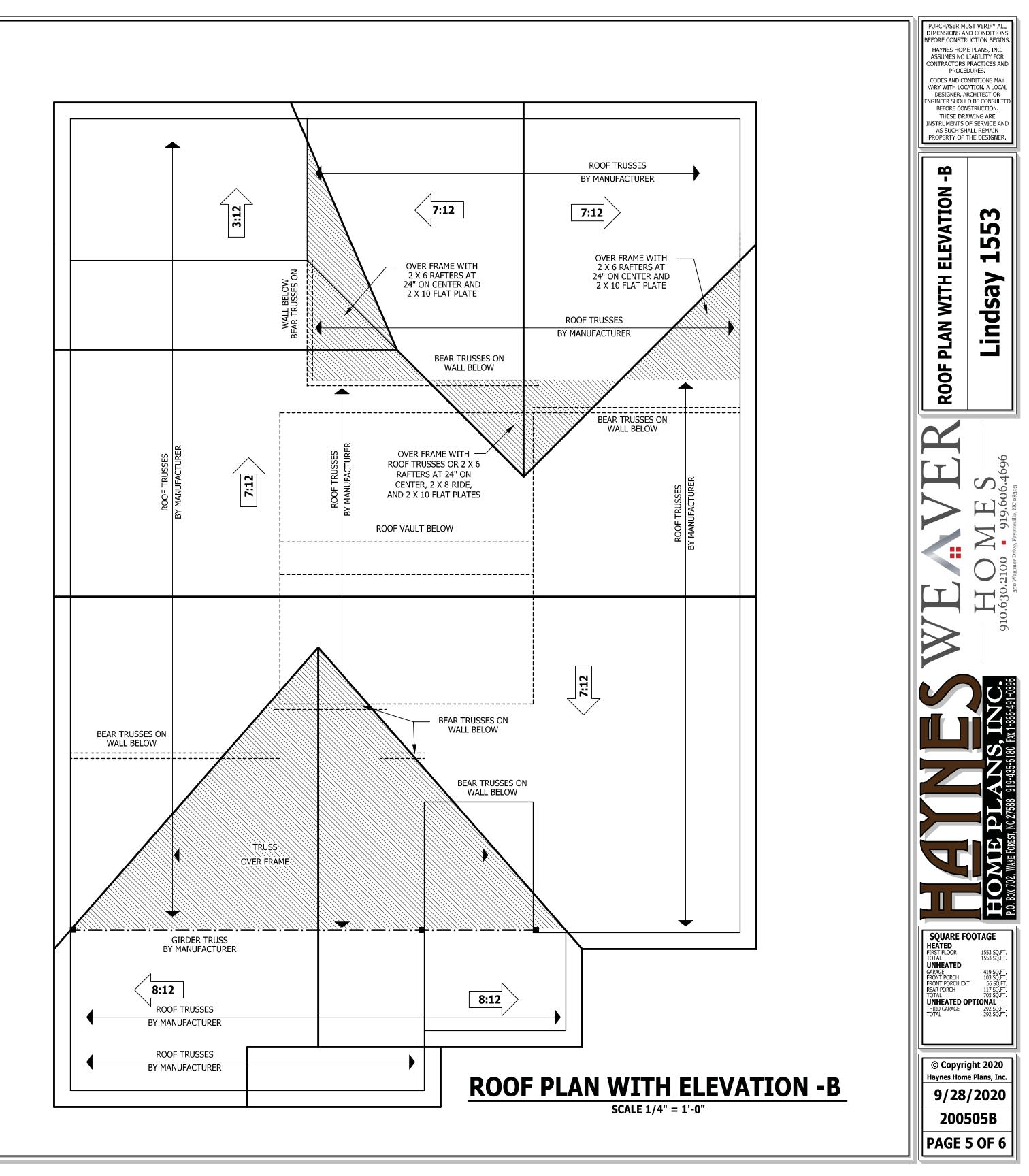
### **ROOF TRUSS REQUIREMENTS**

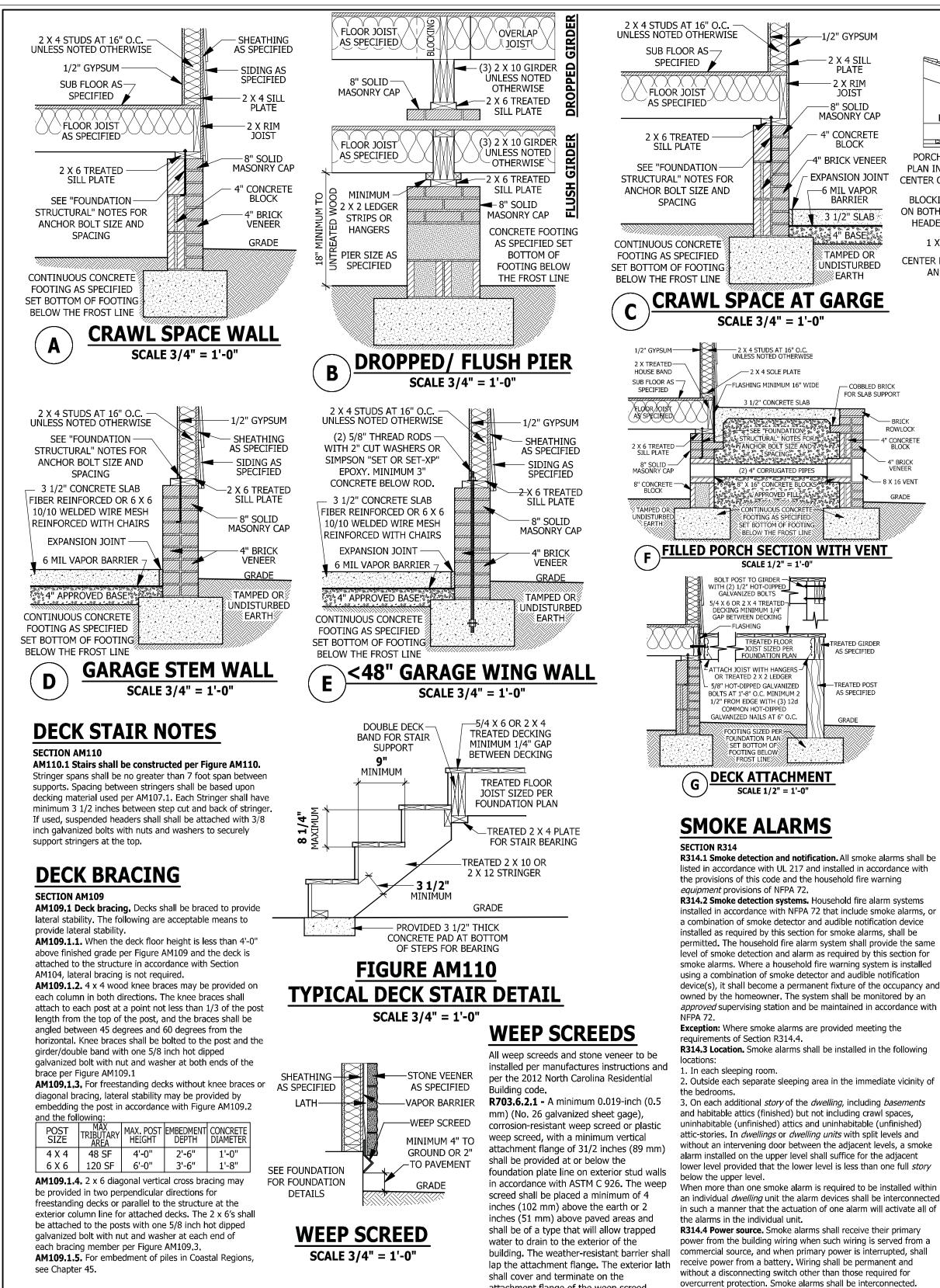
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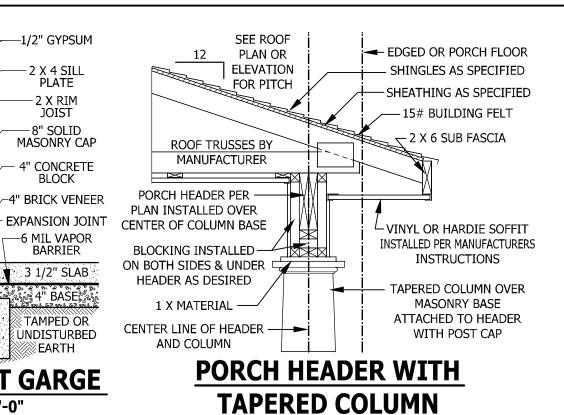
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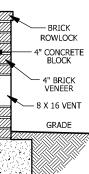


attachment flange of the weep screed.



SCALE 3/4" = 1'-0"

- COBBLED BRICK FOR SLAB SUPPORT



-

AS SPECIFIED

TREATED POST

AS SPECIFIED

GRADE

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.

**CARBON MONOXIDE ALARMS** 

**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

SECTION R315

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

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

the adjacent treads. R311.7.4.2 Tread depth. The minimum tread depth shall be 9 inches (229

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

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

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). Exceptions

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

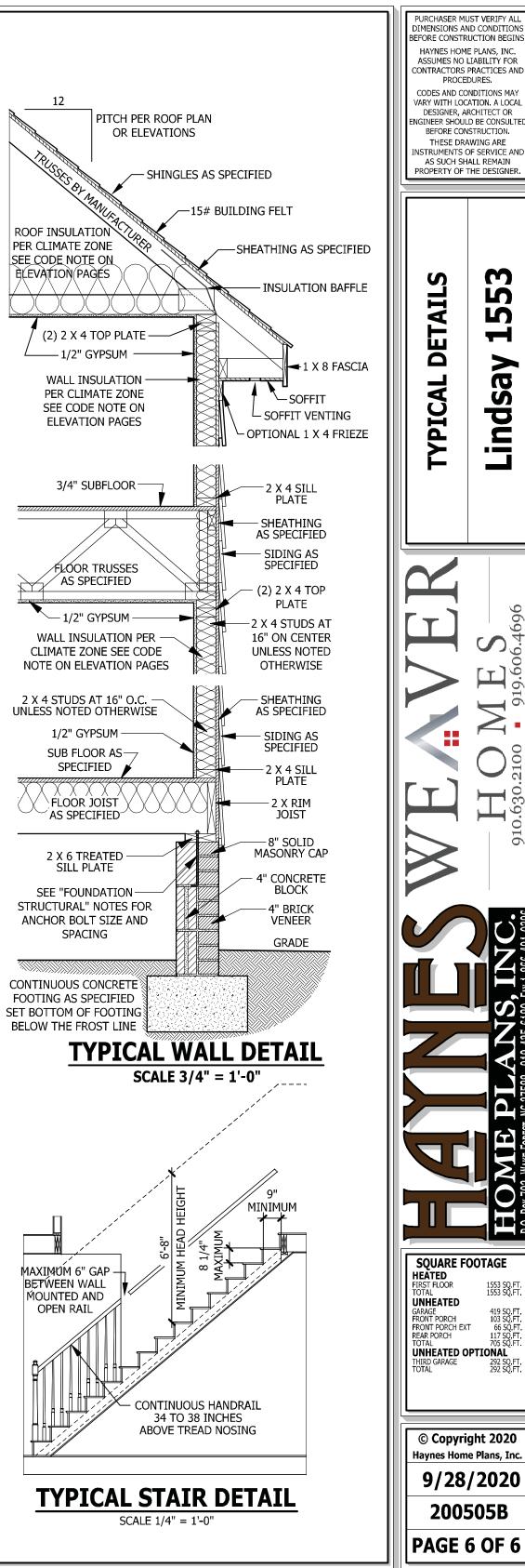
2. When handrail fittings or bendings are used to provide continuous transition between flights, the transition from handrail to guardrail, or used at the start of a flight, the handrail height at the fittings or bendings shall be permitted to exceed the maximum height.

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

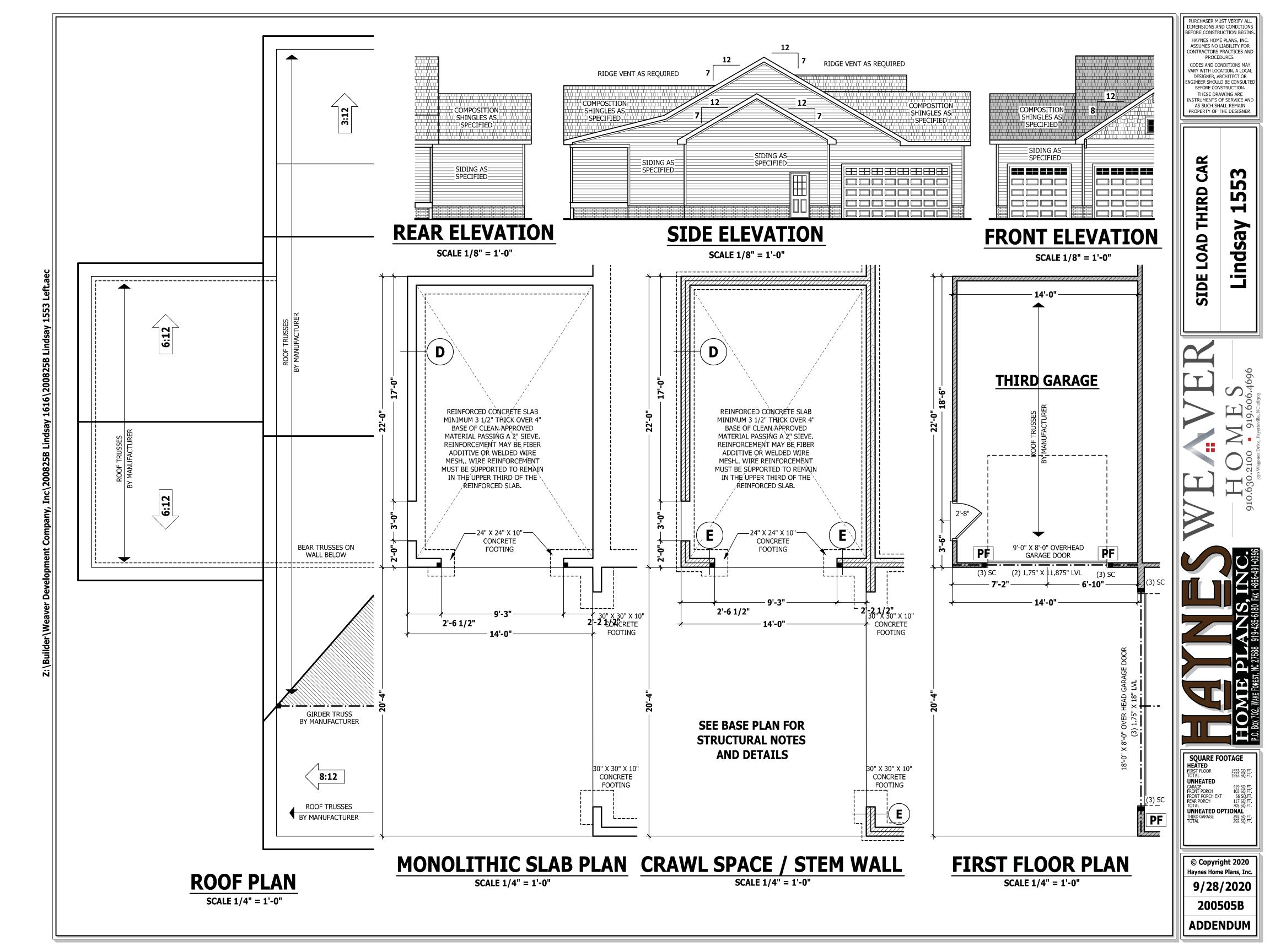
#### Exceptions:

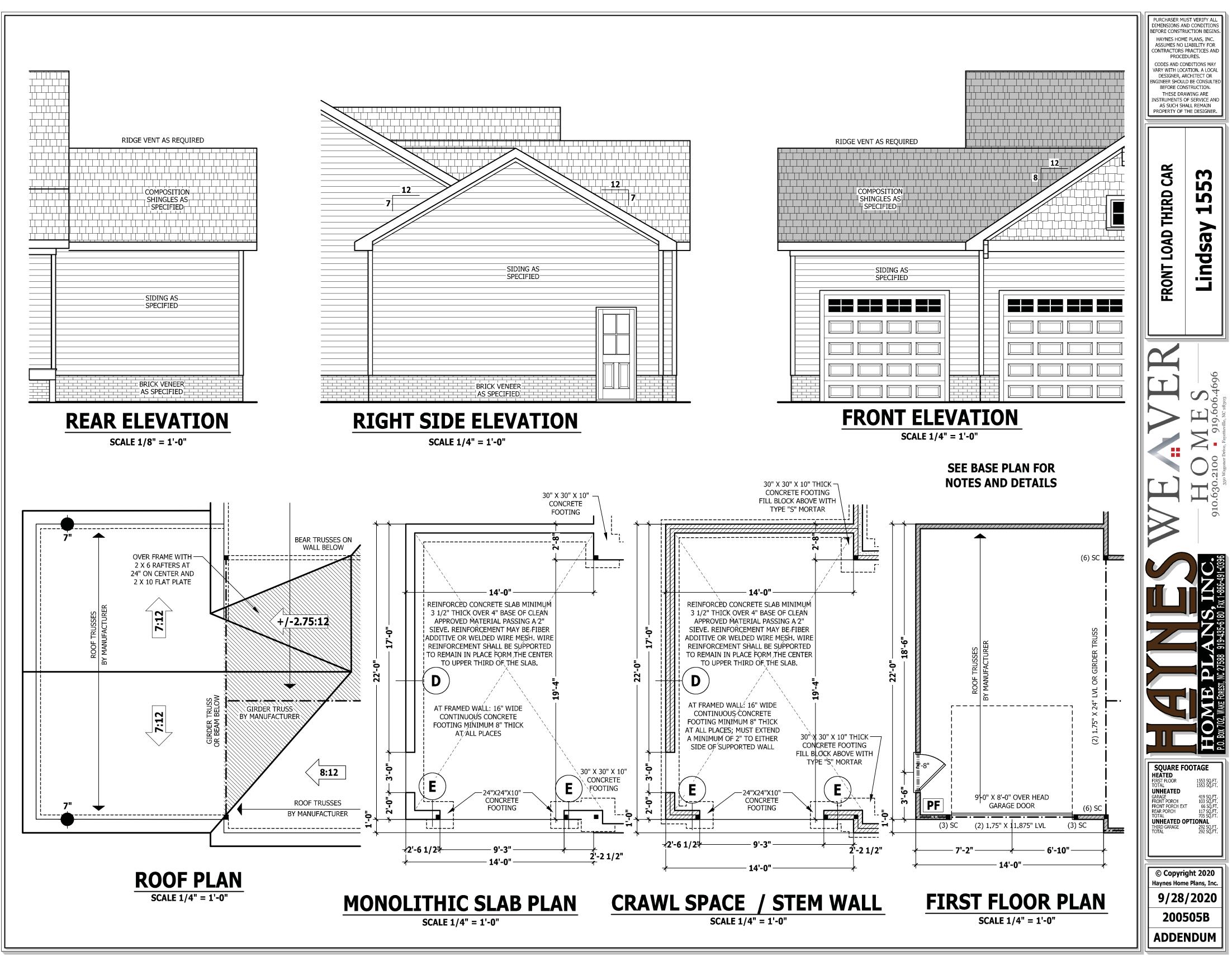
1. Handrails shall be permitted to be interrupted by a newel post. 2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

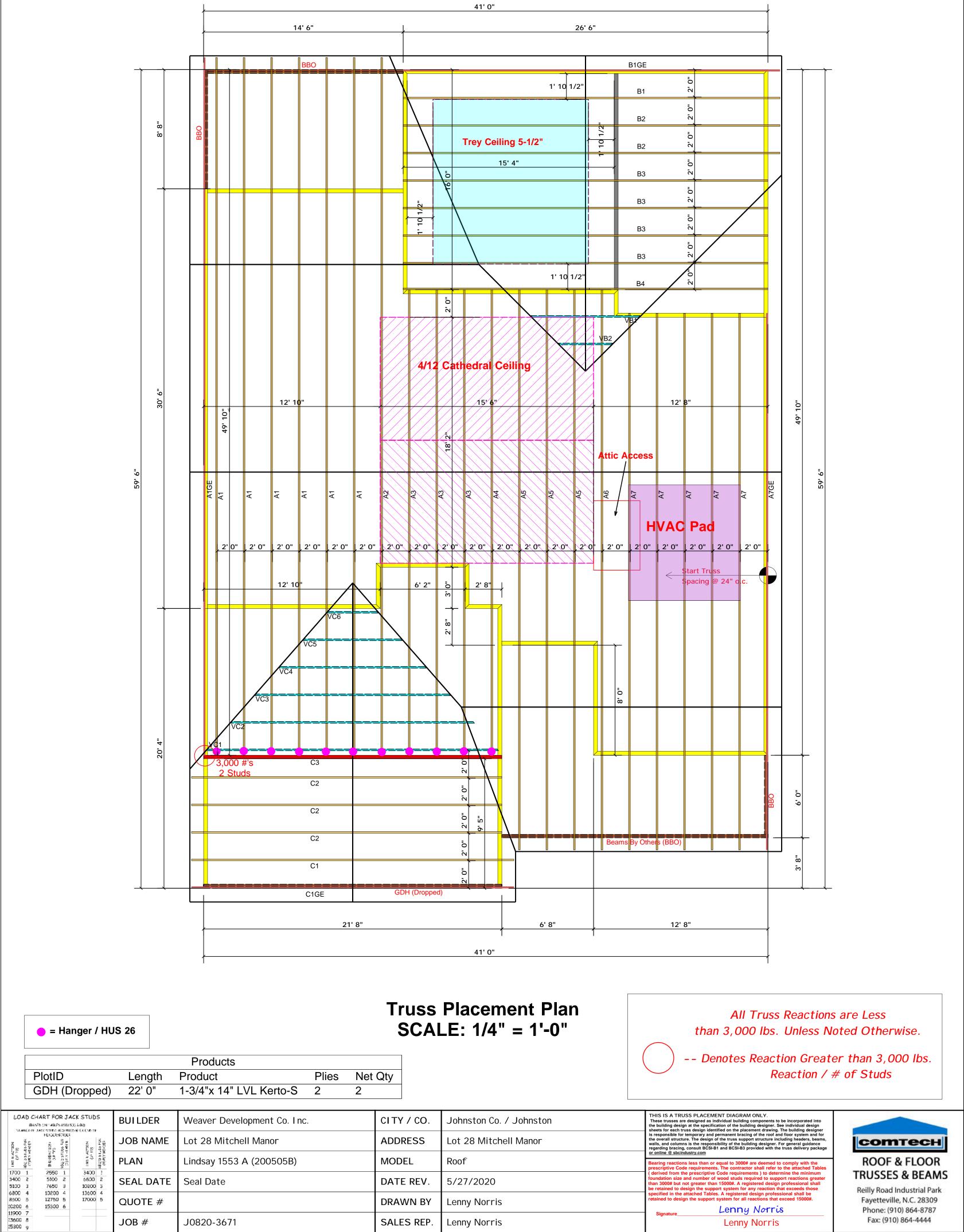
3. Two or more separate rails shall be considered continuous if the termination of the rails occurs within 6 inches (152 mm) of each other. If transitioning between a wall-mounted handrail and a guardrail/handrail, the wall-mounted rail must return into the wall.



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JOB #

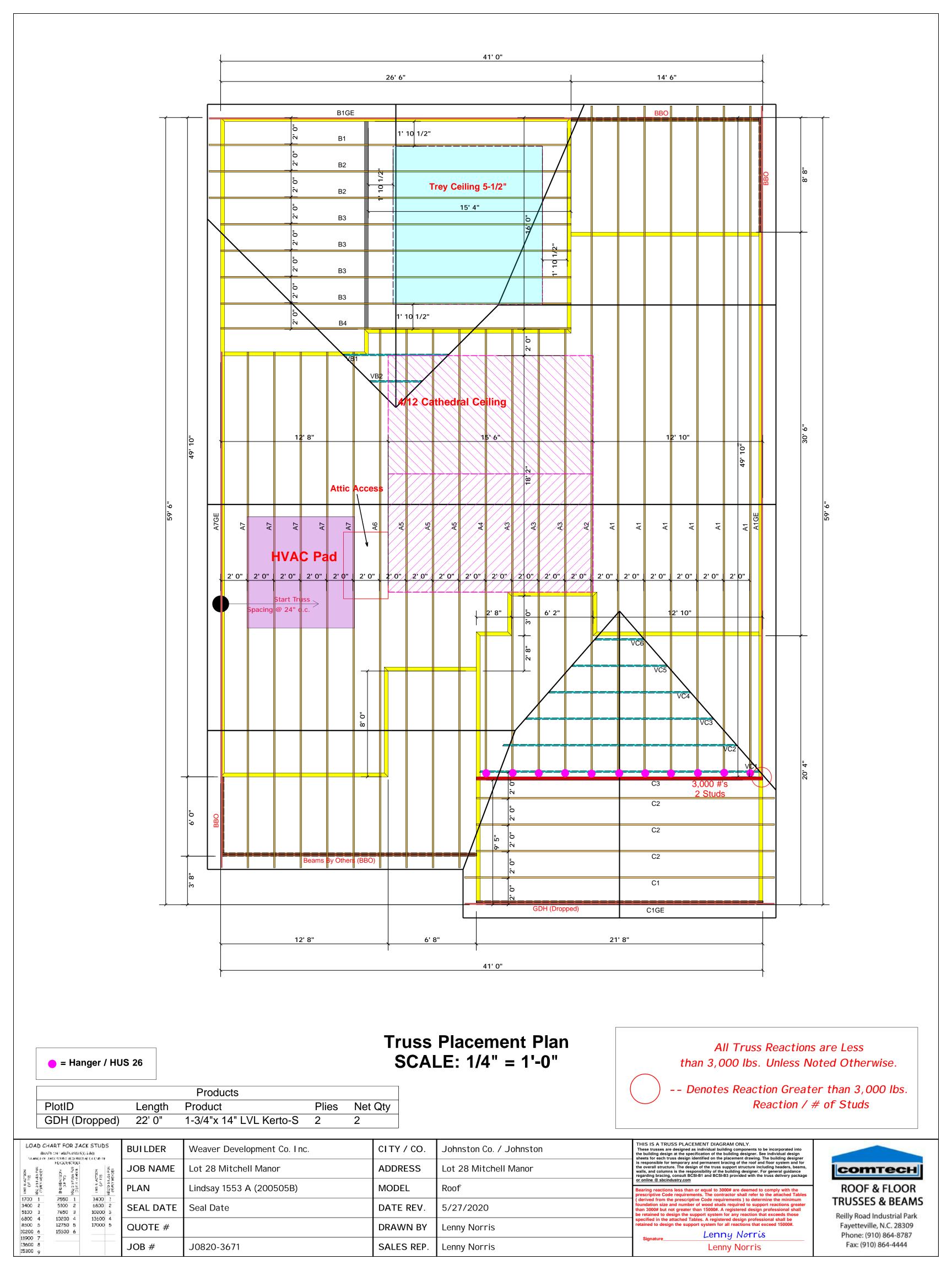
J0820-3671

SALES REP.

Lenny Norris

Fax: (910) 864-4444

Lenny Norris



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