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

MEAN ROOF HEIGHT: 19'-9"

TILAN ROOF HEIGHT. 15 3	7 HEIGHT TO NIDGE.27				
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

BOARD &

BATTEN

DESIGNED FOR WIND SPEED OF 120 MPH, 3 SECOND GUST (93 FASTEST MILE) EXPOSURE "B"									
COMPONENT	& CLA	DDING	DESIG	NED FO	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	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"									
DESIGNED FOR WIN	D SPEED								
DESIGNED FOR WIN		OF 130 MF	PH, 3 SECO	OND GUST	(101 FAS	TEST MILE	E) EXPOSU	RE "B"	
	& CLA	OF 130 MF	H, 3 SECO DESIG	OND GUST	(101 FAS OR THE	TEST MILE Follo	E) EXPOSU WING I	RE "B"	
COMPONENT	& CLA	OF 130 MF DDING	H, 3 SECO DESIG	OND GUST NED FO	(101 FAS DR THE 35'-1"	TEST MILE Follo	E) EXPOSU WING I 40'-1"	RE "B" _OADS	
COMPONENT MEAN ROOF	& CLA UP T	OF 130 MF DDING O 30'	PH, 3 SECO DESIG 30'-1"	NED FC TO 35' -18.9 -22.1	(101 FAS OR THE 35'-1" 18.2 18.2	TEST MILE FOLLO TO 40' -19.6 -22.9	E) EXPOSU WING I 40'-1" 18.7 18.7	RE "B" _OADS TO 45'	
COMPONENT MEAN ROOF ZONE 1	& CLA UP T 16.7	OF 130 MF DDING O 30' -18.0	PH, 3 SECO DESIG 30'-1" 17.5	ND GUST NED FO TO 35' -18.9	(101 FAS DR THE 35'-1" 18.2 18.2	TEST MILE FOLLO TO 40' -19.6	E) EXPOSU WING I 40'-1" 18.7 18.7	RE "B" _OADS TO 45' -20.2	
COMPONENT MEAN ROOF ZONE 1 ZONE 2	& CLA UP T 16.7 16.7	OF 130 MF DDING O 30' -18.0 -21.0	DESIG 30'-1" 17.5 17.5	NED FC TO 35' -18.9 -22.1	(101 FAS DR THE 35'-1" 18.2 18.2 18.2	TEST MILE FOLLO TO 40' -19.6 -22.9	E) EXPOSU WING I 40'-1" 18.7 18.7 18.7	RE "B" OADS TO 45' -20.2 -23.5	

GUARD RAIL NOTES

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 *quard*.

R312.2 Height. Required guards at open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches (914 mm) high measured vertically above the adjacent walking surface, adjacent fixed seating or the line connecting the leading edges of the treads. **Exceptions:**

1. Guards on the open sides of stairs shall have a height not less than 34 inches (864 mm) measured vertically from a line connecting the leading edges of the

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

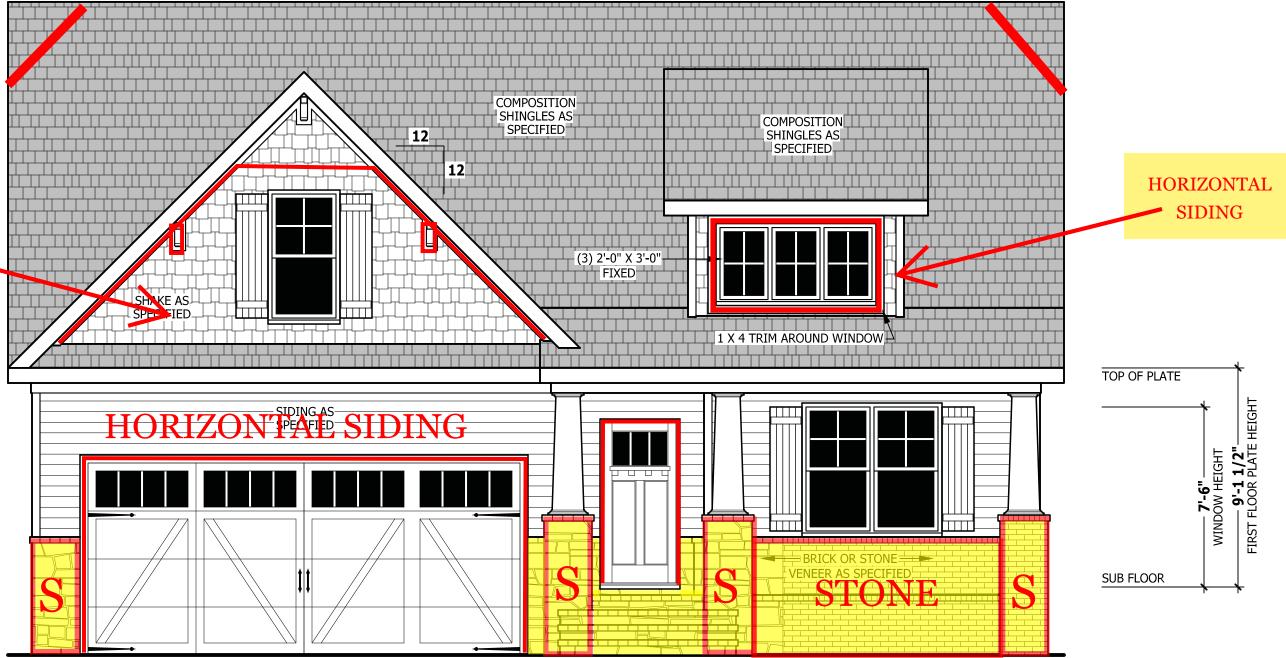
2. Guards on the open sides of stairs shall not have openings which allow passage of a sphere 4 3/8 inches (111 mm) in diameter.

ROOF VENTILATION

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 I OR II VAPOR RETARDER ON WARM-IN-WINTER SIDE OF CEILING = 8.26 SQ.FT.

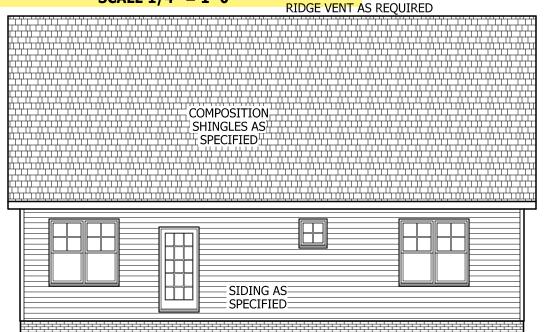
TUDOR HIP ROOF 3 CAR GARAGE REAR COVERED PORCH





SCALE 1/4" = 1'-0"

RAIL AS NEEDED



REAR ELEVATION

SCALE 1/8" = 1'-0"

12∄

RIDGE VENT AS REQUIRED

COMPOSITION SHINGLES AS \sharp

SPECIFIED

SQUARE FOOTAGE HEĂTED FIRST FLOOR 1791 SQ.FT. **HEATED OPTIONAL**

WEST PRESERVE - LOT 54

262 BOYCE COURT SANFORD, NC 27332

1791 SQ FT.

CAROLINA ROOM 148 SQ.FT. **UNHEATED**

188 SQ.FT. 469 SQ.FT. FRONT PORCH GARAGE 657 SQ.FT. TOTAL

UNHEATED OPTIONAL SCREENED PORCH 160 SQ.FT. DECK OR PATIO 108 SQ FT. THIRD GARAGE 292 SQ.FT.

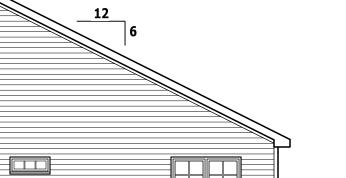
TOTAL 560 SQ.FT.

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.



RIGHT SIDE ELEVATION

SCALE 1/8" = 1'-0"

SIDING AS

SPECIFIED-

PARGE

CODES AND CONDITIONS MAY DESIGNER, ARCHITECT OR GINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION. THESE DRAWING ARE NSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

PURCHASER MUST VERIFY ALL

IMENSIONS AND CONDITIONS EFORE CONSTRUCTION BEGINS

HAYNES HOME PLANS, INC.

ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND

 \triangleleft H **ELEVATION** Lauren

SQUARE FOOTAGE HEATED FIRST FLOOR 1791 SQ.FT. TOTAL 1791 SQ.FT. **HEATED OPTIONAL** UNHEATED UNHEATED OPTIONAL HIRD GARAGE

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LEFT SIDE ELEVATION

SCALE 1/8" = 1'-0"

SIDING AS

SPECIFIED

CR STONE -

VENEER AS SPECIFIED

50

Harnett

04/01/2025

RIDGE VENT AS REQUIRED

OPTIONAL SIDE LOAD

ARAGE DOOR

COMPOSITION SHINGLES AS

 $_{\scriptscriptstyle
m I}$ SPECIFIED $_{\scriptscriptstyle
m T}^{\scriptscriptstyle \sqcup}$

PURCHASER MUST VERIFY ALL BEFORE CONSTRUCTION BEGINS HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND

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ONOLITHI

SQUARE FOOTAGE HEATED FIRST FLOOR 1791 SQ.FT. TOTAL 1791 SQ.FT. **HEATED OPTIONAL** UNHEATED GARAGE UNHEATED OPTIONAL HIRD GARAGE

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FLOOR

FIRST

SQUARE FOOTAGE
HEATED
FIRST FLOOR 1791 SQ.FT. FIRST FLOOR 1791 SQ.FT. TOTAL 1791 SQ.FT. **HEATED OPTIONAL** CAROLINA ROOM TOTAL UNHEATED | OS7 SQ.F | UNHEATED OPTIONAL | SCREENED PORCH | 160 SQ.F | DECK OR PATIO | 108 SQ.F | THIRD GARAGE | 292 SQ.F | TOTAL | 560 SQ.F

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STRUCTURAL NOTES

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

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

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		L/360

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.

20 -- --

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" minimum 5d cooler nails or #6 screws.

Thick for 24" on center joist spacing.

Thick for 24" on center joist spacing. thick for 24" on center joist spacing.

ROOF SHEATHING: OSB or CDX roof sheathing minimum

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. KNEE WALL AND CEILING HEIGHTS. All finished knee wall heights and ceiling heights are shown furred down 10" from roof decking for insulation. If for any reason the truss manufacturer fails to meet or exceed designated heel heights, finished knee wall heights, or finished ceiling heights shown on these drawings the finished square footage may vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, so a suitable solution can be reached before construction begins. Any variation due to these conditions not being met is the reasonability of the truss manufacturer.

ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics. **BEARING.** All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.

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

BRACE WALL PANEL NOTES

EXTERIOR WALLS: All exterior walls to be sheathed with CS-WSP or CS-SFB in accordance with section R602.10.3 unless noted otherwise.

GYPSUM: All interior sides of exterior walls and both sides interior walls to have 1/2" gypsum installed. When not using method GB gypsum to be fastened per table R702.3.5. Method GB to be fastened per table R602.10.1.

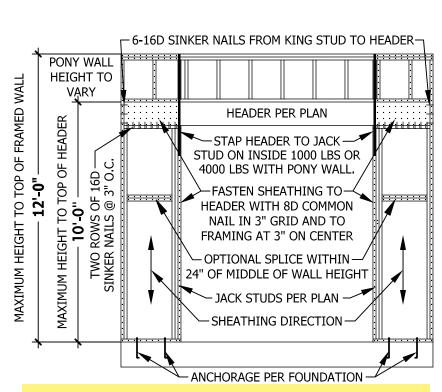
REQUIRED LENGTH OF BRACING: Required brace wall length for each side of the circumscribed rectangle are interpolated per table R602.10.3. Methods CS-WSP and CS-SFB contribute their actual length. Method GB contributes 0.5 it's actual length. Method PF contributes 1.5 times its actual length.

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

Methods Per Table R602.10.1

CS-WSP: Shall be minimum 3/8" OSB or CDX nailed at 6" on center at edges and 12" on center at intermediate supports with 6d common nails or 8d(2 1/2" long x 0.113" diameter). **CS-SFB:** Shall be minimum 1/2" structural fiber board nailed at 3" on center at edges and 3" on center at intermediate supports with 1 1/2" long x 0.12" diameter galvanized roofing

GB: Interior walls show as GB are to have minimum 1/2" gypsum board on both sides of the wall fastened at 7" on center at edges and 7" on center at intermediate supports with



PORTAL FRAME AT OPENING

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

EXTERIOR HEADERS

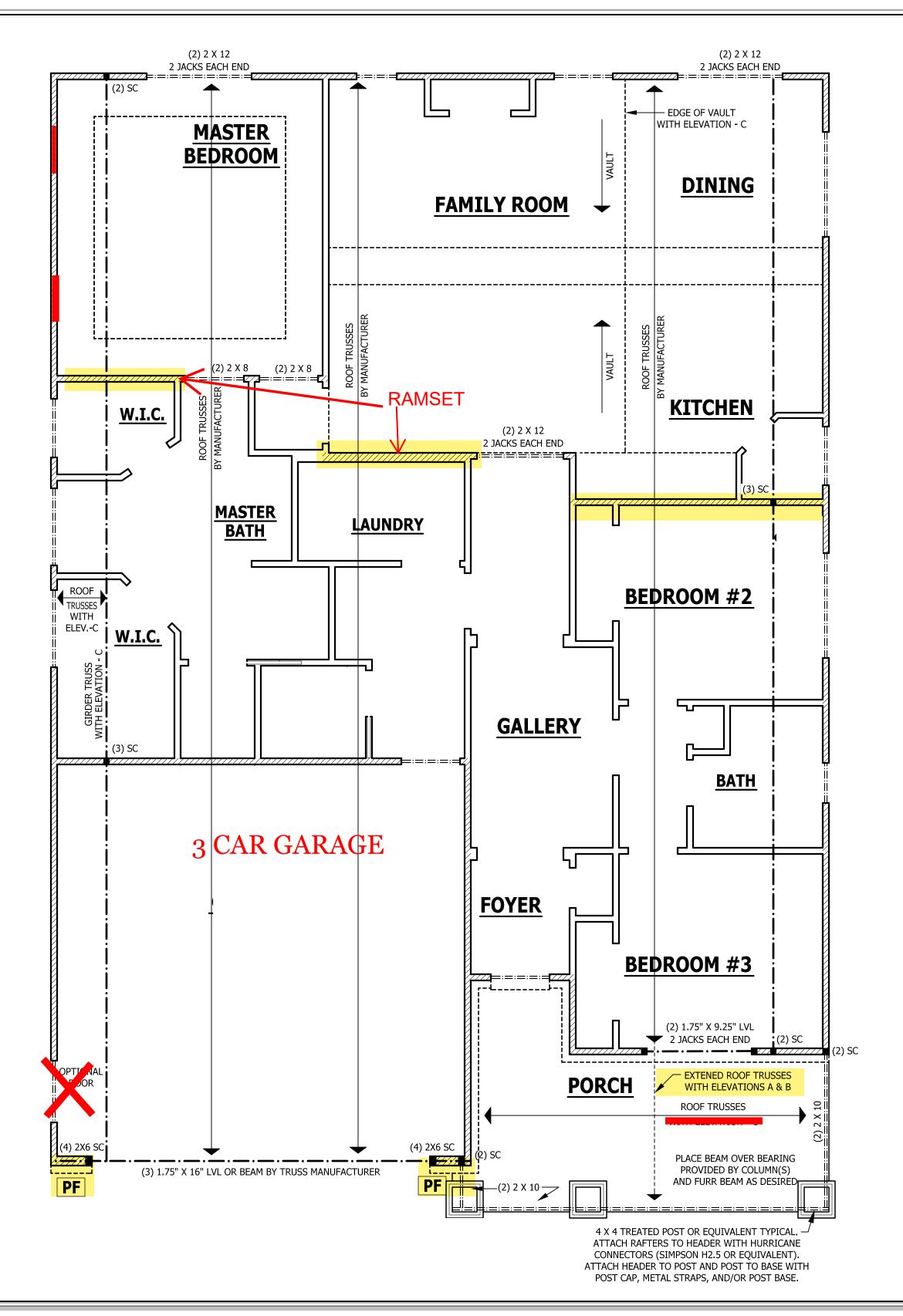
- (2) 2 X 6 WITH 1 JACK STUD EACH END **UNLESS NOTED OTHERWISE** - KING STUDS EACH END PER TABLE BELOW
- HEADER SPAN < 3' 3'-4' 4'-8' 8'-12' 12'-16' KING STUD(S) 1 2 3 5 6

INTERIOR HEADERS

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

FIRST FLOOR STRUCTURAL

SCALE 1/4" = 1'-0"



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BEFORE CONSTRUCTION. THESE DRAWING ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

STRUCTURAL

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FLOOR

FIRST

SQUARE FOOTAGE HEATED **HEATED OPTIONAL** UNHEATED UNHEATED OPTIONAL HIRD GARAGE

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TUDOR HIP ROOF 3 CAR GARAGE COVERED PORCH

ROOF TRUSS REQUIREMENTS

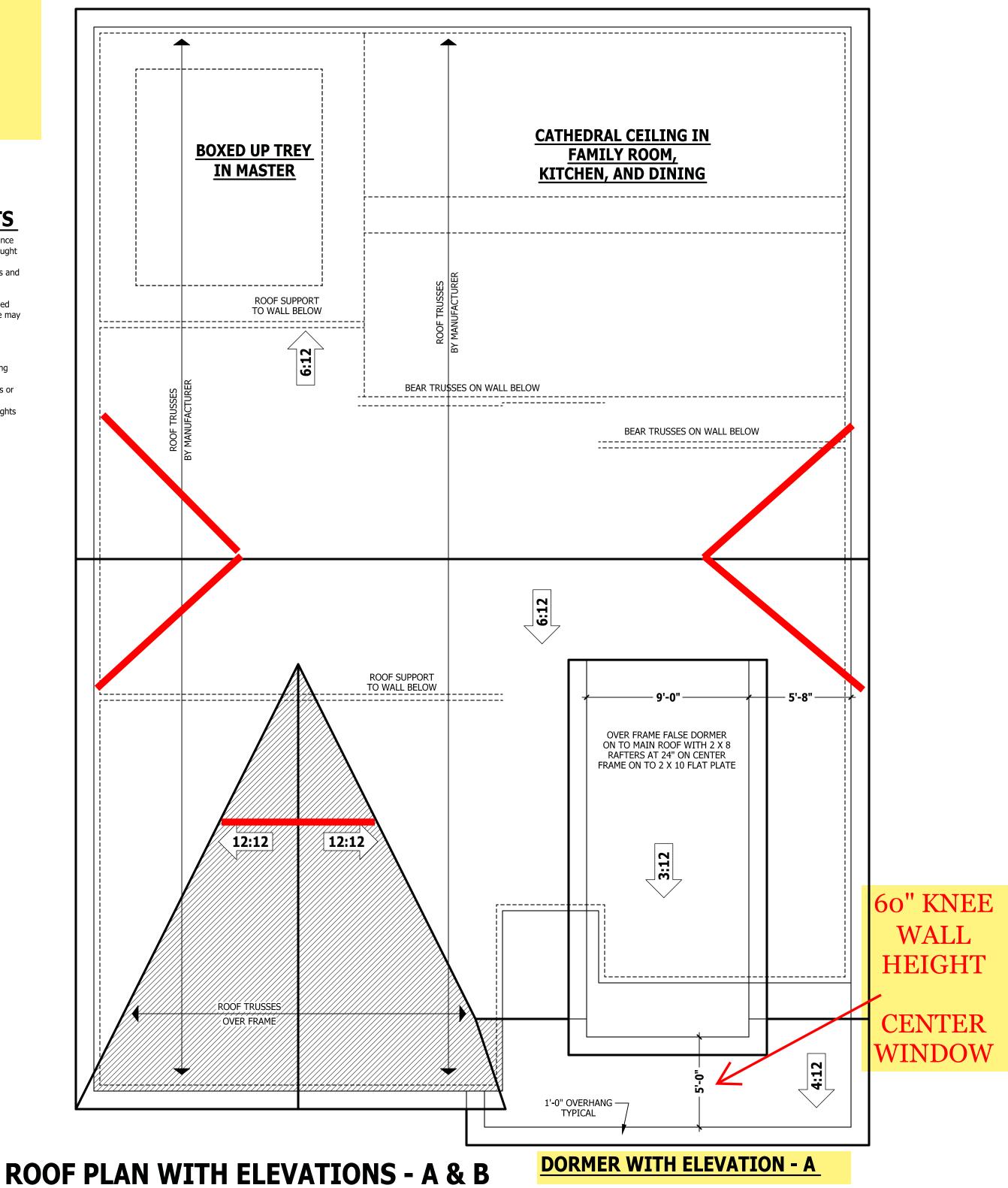
TRUSS DESIGN. Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plan, Inc. attention before construction begins. KNEE WALL AND CEILING HEIGHTS. All finished knee wall heights and ceiling heights are shown furred down 10" from roof decking for insulation. If for any reason the truss manufacturer fails to meet or exceed designated heel heights, finished knee wall heights, or finished ceiling heights shown on these drawings the finished square footage may vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, so a suitable solution can be reached before construction begins. Any variation due to these conditions not being met is the reasonability of the truss manufacturer.

ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics. **BEARING.** All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.

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

HEEL HEIGHT ABOVE FIRST FLOOR PLATE

HEEL HEIGHT ABOVE SECOND FLOOR PLATE



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DESIGNER, ARCHITECT OR NGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION.

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ROOF PLAN ELEVATIONS

 SQUARE FOOTAGE

 HEATED
 1791 SQ.FT.

 FIRST FLOOR
 1791 SQ.FT.

 TOTAL
 1791 SQ.FT.

 HEATED OPTIONAL
 148 SQ.FT.

 CAROLINA ROOM
 148 SQ.FT.

 TOTAL
 148 SQ.FT.

 PRONT PORCH
 188 SQ.FT.

 GARAGE
 469 SQ.FT.

 TOTAL
 657 SQ.FT.

 UNHEATED
 700 FT.

 UNHEATED OPTIONAL
 SCREENED PORCH

 SCREENED PORCH
 160 SQ.FT.

 THIRD GARAGE
 292 SQ.FT.

 TOTAL
 560 SQ.FT.

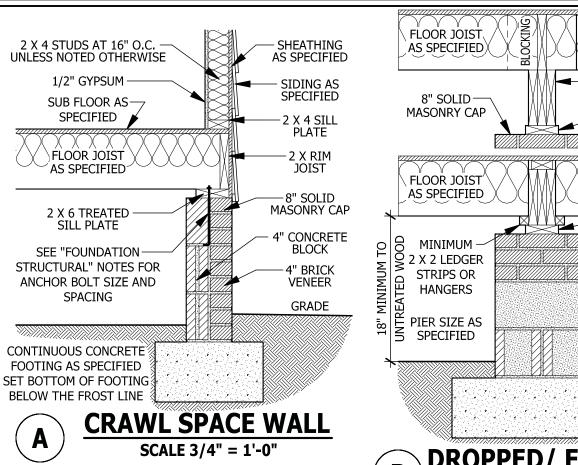
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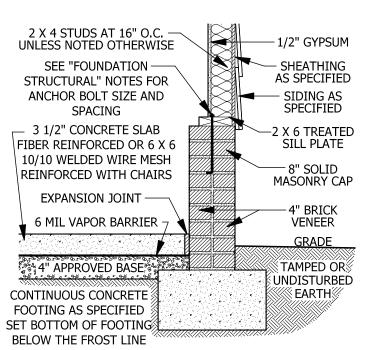
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SCALE 1/4" = 1'-0"





GARAGE STEM WALL

SCALE 3/4" = 1'-0"



DECK STAIR NOTES

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

DECK BRACING

SECTION AM109

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

AM109.1.1. When the deck floor height is less than 4'-0" above finished grade per Figure AM109 and the deck is attached to the structure in accordance with Section AM104, lateral bracing is not required.

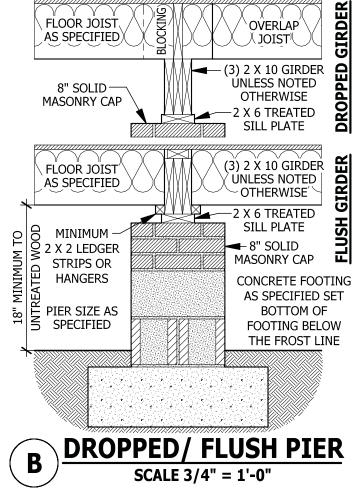
AM109.1.2. 4 x 4 wood knee braces may be provided on each column in both directions. The knee braces shall attach to each post at a point not less than 1/3 of the post length from the top of the post, and the braces shall be angled between 45 degrees and 60 degrees from the horizontal. Knee braces shall be bolted to the post and the girder/double band with one 5/8 inch hot dipped galvanized bolt with nut and washer at both ends of the brace per Figure AM109.1

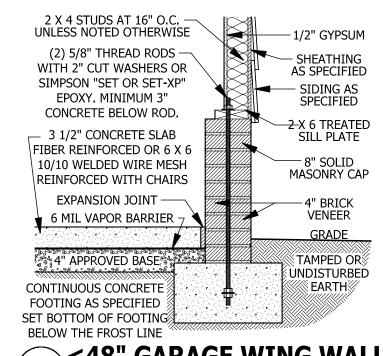
AM109.1.3. For freestanding decks without knee braces or diagonal bracing, lateral stability may be provided by embedding the post in accordance with Figure AM109.2

-	and the following:									
	POST SIZE	MAX TRIBUTARY AREA	MAX. POST HEIGHT	EMBEDMENT DEPTH	CONCRETE DIAMETER					
	4 X 4	48 SF	4'-0"	2'-6"	1'-0"					
	6 X 6	120 SF	6'-0"	3'-6"	1'-8"					

AM109.1.4. 2 x 6 diagonal vertical cross bracing may be provided in two perpendicular directions for freestanding decks or parallel to the structure at the exterior column line for attached decks. The 2 x 6's shall be attached to the posts with one 5/8 inch hot dipped galvanized bolt with nut and washer at each end of each bracing member per Figure AM109.3.

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





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

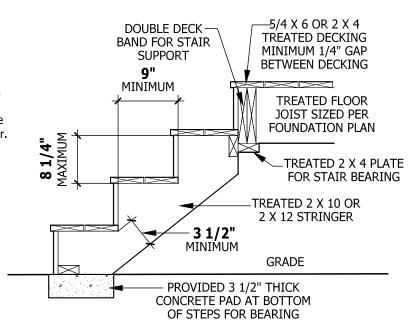


FIGURE AM110 TYPICAL DECK STAIR DETAIL

SHEATHING +

AS SPECIFIED

LATH-

SEE FOUNDATION

FOR FOUNDATION

DETAILS

WEEP SCREED

SCALE 3/4" = 1'-0"

SCALE 3/4" = 1'-0"

STONE VEENER

AS SPECIFIED

VAPOR BARRIER

-WEEP SCREED

MINIMUM 4" TO

GROUND OR 2"

-TO PAVEMENT

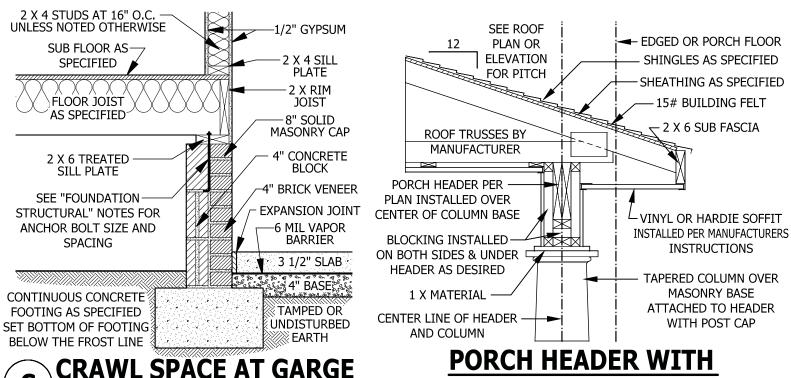
GRADE

WEEP SCREEDS

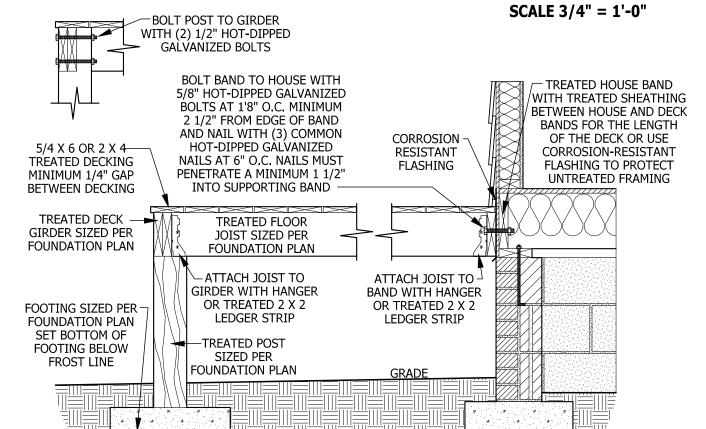
All weep screeds and stone veneer to be installed per manufactures instructions and per the 2012 North Carolina Residential Building code.

R703.6.2.1 - A minimum 0.019-inch (0.5 mm) (No. 26 galvanized sheet gage), weep screed, with a minimum vertical shall be provided at or below the 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

corrosion-resistant weep screed or plastic attachment flange of 31/2 inches (89 mm) foundation plate line on exterior stud walls in accordance with ASTM C 926. The weep shall cover and terminate on the attachment flange of the weep screed.



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



DECK ATTACHMENT DETAIL TO FRAMED WALL

SCALE 3/4" TO 1'-0"

SMOKE ALARMS

R314.1 Smoke detection and notification. All smoke alarms shall be listed in accordance with UL 217 and installed in accordance with the provisions of this code and the household fire warning

equipment provisions of NFPA 72. **R314.2 Smoke detection systems.** Household fire alarm systems installed in accordance with NFPA 72 that include smoke alarms, or a combination of smoke detector and audible notification device installed as required by this section for smoke alarms, shall be permitted. The household fire alarm system shall provide the same level of smoke detection and alarm as required by this section for smoke alarms. Where a household fire warning system is installed using a combination of smoke detector and audible notification device(s), it shall become a permanent fixture of the occupancy and owned by the homeowner. The system shall be monitored by an approved supervising station and be maintained in accordance with

NFPA 72. **Exception:** Where smoke alarms are provided meeting the requirements of Section R314.4.

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

1. In each sleeping room.

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

3. On each additional story of the dwelling, including basements and habitable attics (finished) but not including crawl spaces, uninhabitable (unfinished) attics and uninhabitable (unfinished) attic-stories. In *dwellings* or *dwelling units* with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

When more than one smoke alarm is required to be installed within in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit.

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

STAIRWAY NOTES

R311.7.2 Headroom. The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2032 mm) measured vertically from

the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on that portion of the stairway. **R311.7.4 Stair treads and risers.** Stair treads and risers shall meet the requirements of this section. For the purposes of this section all dimensions

and dimensioned surfaces shall be exclusive of carpets, rugs or runners. R311.7.4.1 Riser height. The maximum riser height shall be 8 1/4 inches (210 mm). The riser shall be measured vertically between leading edges of the adjacent treads.

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

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

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

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

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

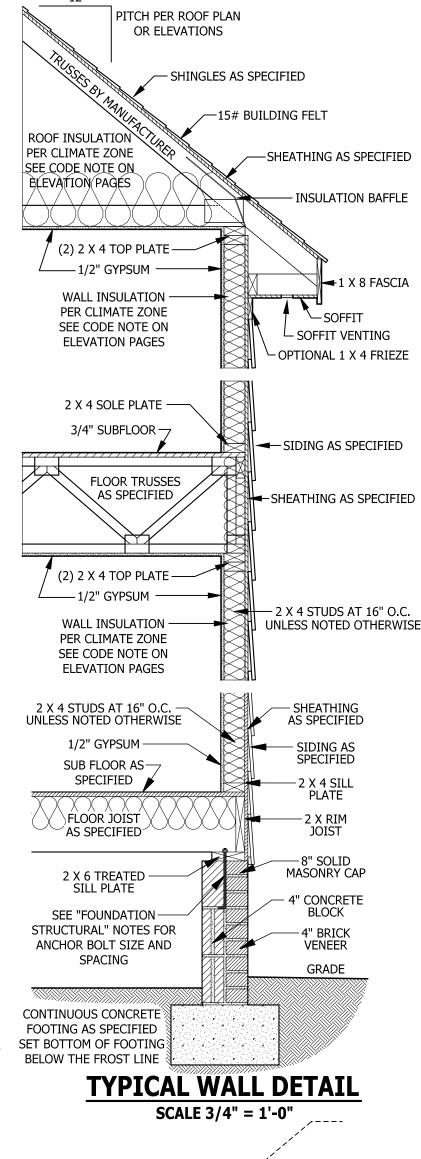
2. When handrail fittings or bendings are used to provide continuous transition between flights, the transition from handrail to guardrail, or used at the start of a flight, the handrail height at the fittings or bendings shall be permitted to exceed the maximum height.

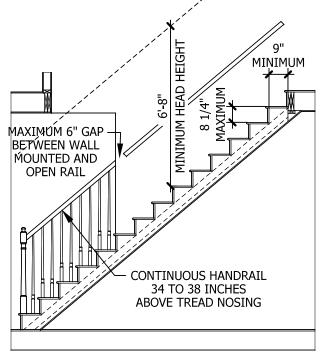
R311.7.7.2 Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. 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.





TYPICAL STAIR DETAIL

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SQUARE FOOTAGE

HEATED OPTIONAL

UNHEATED OPTIONAL

HEATED

UNHEATED

IIRD GARAGE

ARAGE

PURCHASER MUST VERIFY ALL IMENSIONS AND CONDITIONS

EFORE CONSTRUCTION BEGINS

HAYNES HOME PLANS, INC.

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PROCEDURES.

CODES AND CONDITIONS MAY

DESIGNER, ARCHITECT OR

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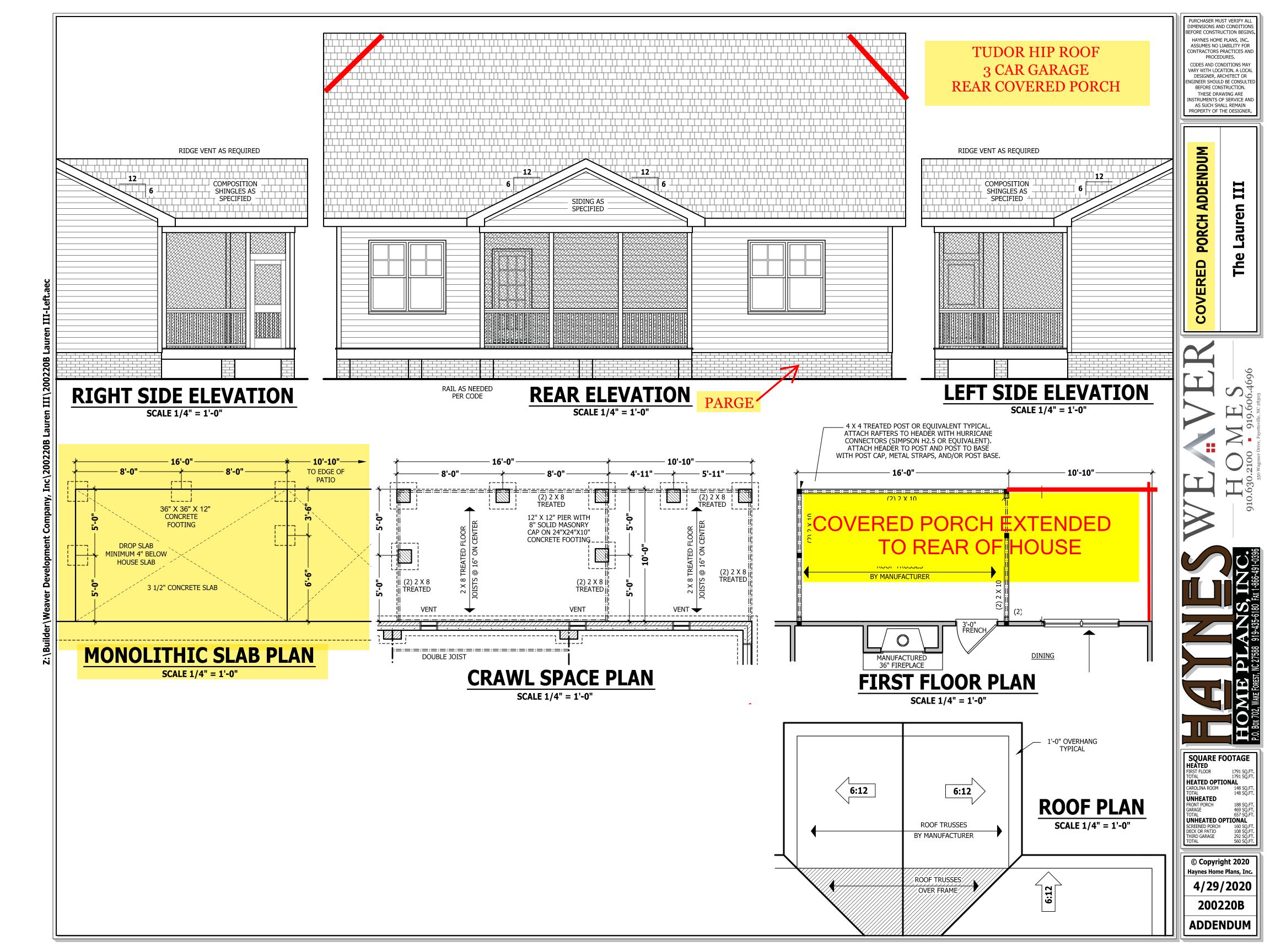
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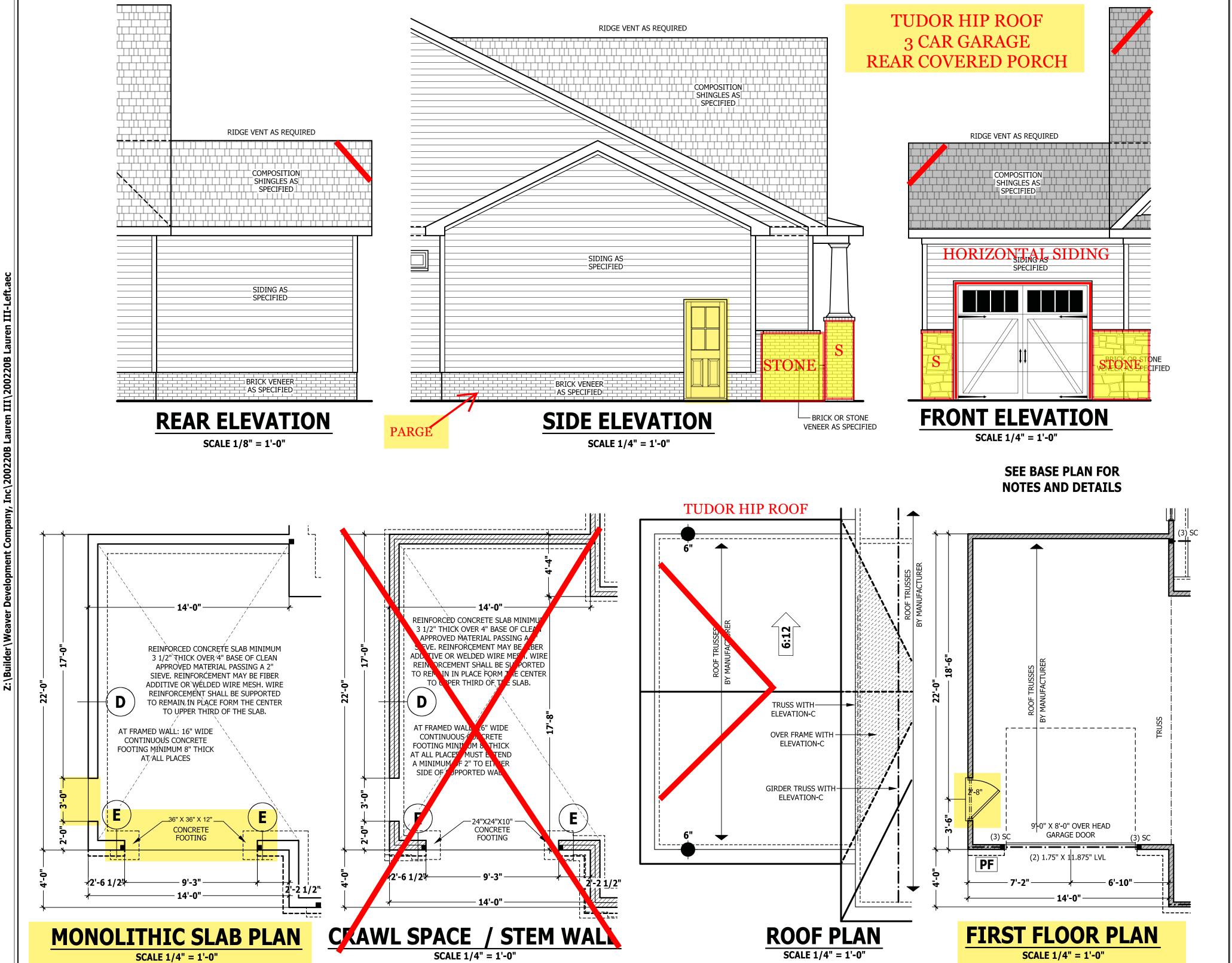
ARY WITH LOCATION. A LOCAL

IGINEER SHOULD BE CONSULTED

200220B

PAGE 6 OF 6





EFORE CONSTRUCTION BEGIN: HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND

CODES AND CONDITIONS MAY DESIGNER, ARCHITECT OR BEFORE CONSTRUCTION.

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CAR

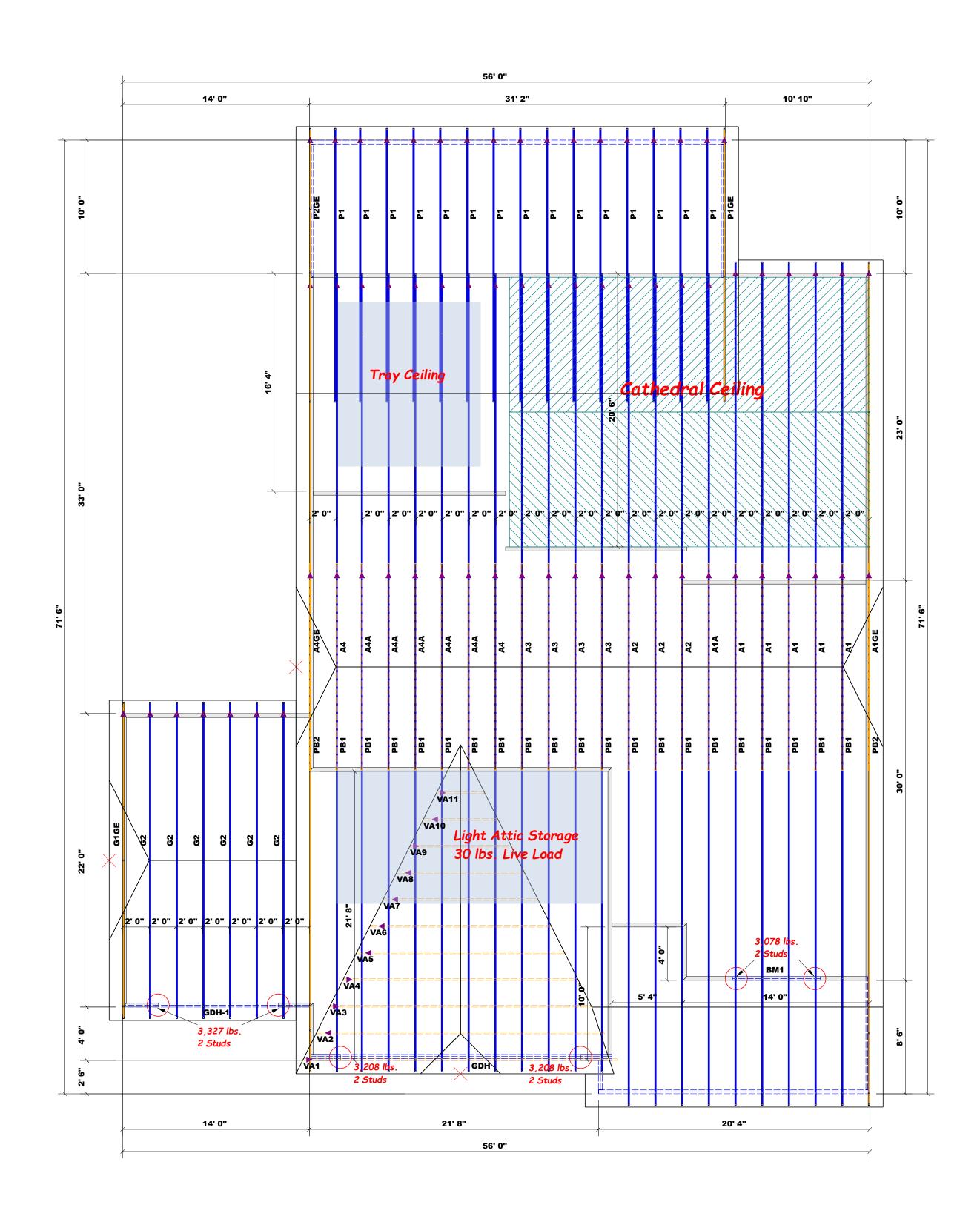
H FRONT LOAD THIRD Lauren

SQUARE FOOTAGE
HEATED
FIRST FLOOR 1791 SQ.FT. FIRST FLOOR 1791 SQ.FT. TOTAL 1791 SQ.FT. **HEATED OPTIONAL** CAROLINA ROOM TOTAL UNHEATED FRONT PORCH GARAGE | OS7 SQ.F | UNHEATED OPTIONAL | SCREENED PORCH | 160 SQ.F | DECK OR PATIO | 108 SQ.F | THIRD GARAGE | 292 SQ.F | TOTAL | 560 SQ.F

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4/29/2020 200220B

ADDENDUM



▲ = Denotes Left End of Truss
 (Reference Engineered Truss Drawing)
 Do Not Erect Trusses Backwards

END REACTION (UP TO) REQ'D STUDS FOR (4) PLY HEADER

3400 1

6800 2

10200 3

13600 4

17000 5

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))

NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

5100 2

7650 3

10200 4

12750 5

15300 6

1700 1 3400 2

5100 3

6800 4 8500 5

10200 6

11900 7 13600 8 15300 9 All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

-- Denotes Reaction Greater than 3,000 lbs.

PlotID Length Product Plies Net Qty Fab Type 7' 0" 1-3/4"x 9-1/4" LVL Kerto-S 2 FF BM1 1-3/4"x 11-7/8" LVL Kerto-S 2 FF 14' 0" GDH-1 **Truss Placement Plan** 23' 0" 1-3/4"x 16" LVL Kerto-S 3 3 FF **GDH** SCALE: 3/16" = 1'

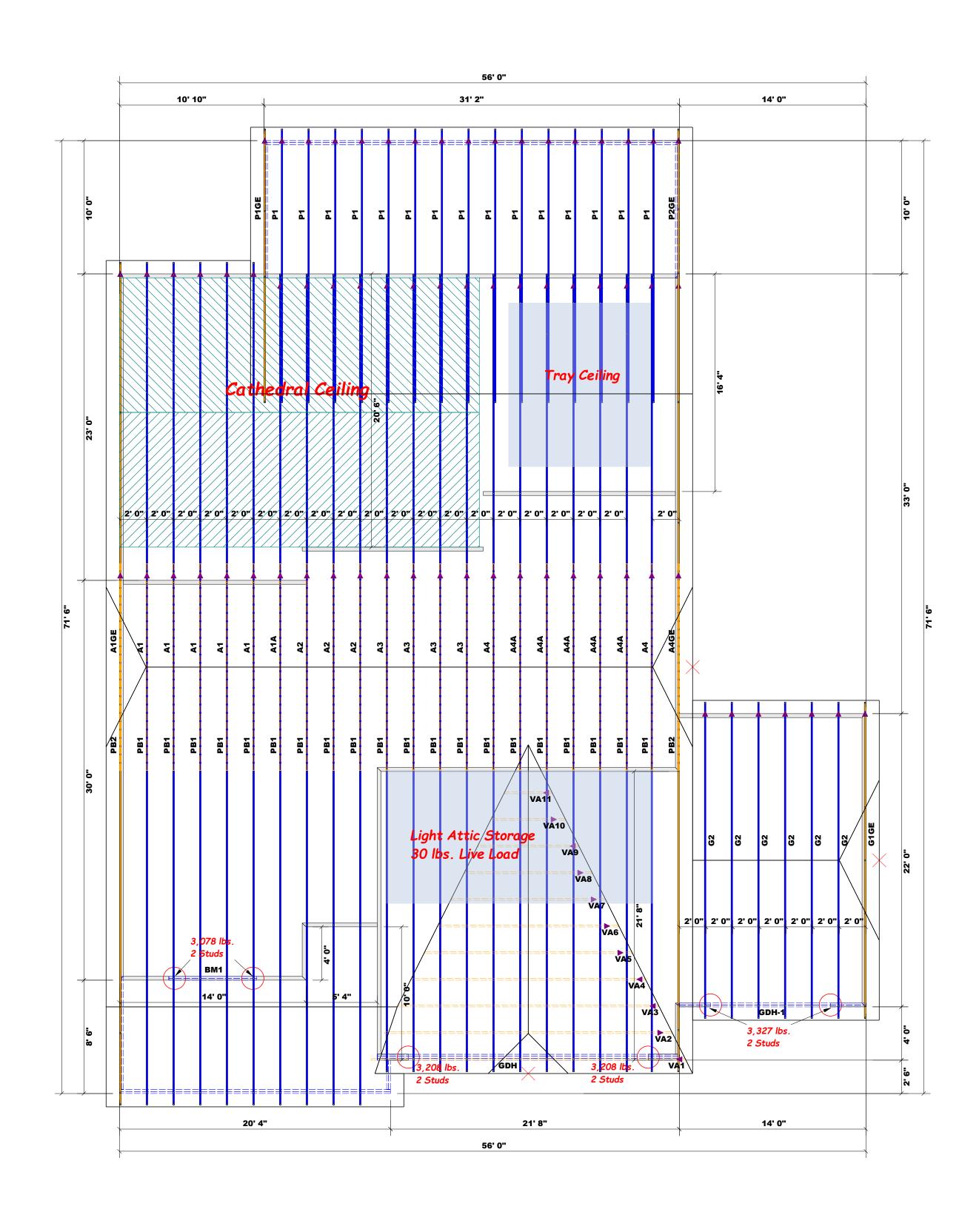
Beam Legend

BUILDER	Weaver Homes, Inc.	CITY / CO.	Sanford / Harnett	THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated int the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building design
JOB NAME	Lot 54 West Preserve	ADDRESS	262 Boyce Ct.	is responsible for temporary and permanent bracing of the roof and floor system and the overall structure. The design of the truss support structure including headers, bea walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery pacl
PLAN	Lauren III / Elev. A / 3 Car / CP	MODEL	Roof	or online @ sbcindustry.com Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Ta
SEAL DATE	4/29/20	DATE REV.	02/25/25	(derived from the prescriptive Code requirements) to determine the minimu foundation size and number of wood studs required to support reactions gre than 3000# but not greater than 15000#. A registered design professional shabe retained to design the support system for any reaction that exceeds those
QUOTE#	Quote #	DRAWN BY	Curtis Quick	specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#. Signature Signature
JOB#	J0225-0934	SALES REP.	Lenny Norris	Curtis Quick



Phone: (910) 864-8787

Fax: (910) 864-4444



= Denotes Left End of Truss
 (Reference Engineered Truss Drawing)
 Do Not Erect Trusses Backwards

3400 1

6800 2

10200 3

13600 4

17000 5

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))

NUMBER OF JACK STUDS REQUITED ® EA END OF

5100 2

7650 3

10200 4

12750 5

15300 6

1700 1

3400 2

5100 3

6800 4

8500 5

10200 6

11900 7

13600 8

15300 9

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

-- Denotes Reaction Greater than 3,000 lbs.

Beam Legend PlotID Product Plies Net Qty Fab Type Length 1-3/4"x 9-1/4" LVL Kerto-S 2 BM1 7' 0" FF 1-3/4"x 11-7/8" LVL Kerto-S 2 FF GDH-1 14' 0" **Truss Placement Plan** 23' 0" 1-3/4"x 16" LVL Kerto-S 3 FF **GDH** SCALE: 3/16" = 1'

BUILDER	Weaver Homes, Inc.	CITY / CO.	Sanford / Harnett	THIS IS A TRUSS These trusses are desthe building design at sheets for each truss of
JOB NAME	Lot 54 West Preserve	ADDRESS	262 Boyce Ct.	is responsible for tem the overall structure. I walls, and columns is regarding bracing, cor
PLAN	Lauren III / Elev. A / 3 Car / CP	MODEL	Roof	or online @ sbcindust Bearing reactions le prescriptive Code re
SEAL DATE	4/29/20	DATE REV.	02/25/25	(derived from the p foundation size and than 3000# but not g be retained to desig
QUOTE#	Quote #	DRAWN BY	Curtis Quick	specified in the atta retained to design the
JOB#	J0225-0934	SALES REP.	Lenny Norris	Signature

a trusse PLACEMENT DIAGRAM ONLY.

The trusses are designed as individual building components to be incorporated into the incorporated into the second of the second of the building designer. See individual design is for each truss design identified on the placement drawing. The building designer ponsible for temporary and permanent bracing of the roof and floor system and for rerall structure. The design of the truss support structure including headers, beams, and columns is the responsibility of the building designer. For general guidance the single bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package in the specific pack

Curtis Quick

Curtis Quick

ROOF & FLOOR TRUSSES & BEAMS Reilly Road Industrial Park

соттесн

Reilly Road Industrial Park Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444



Client: Weaver Homes

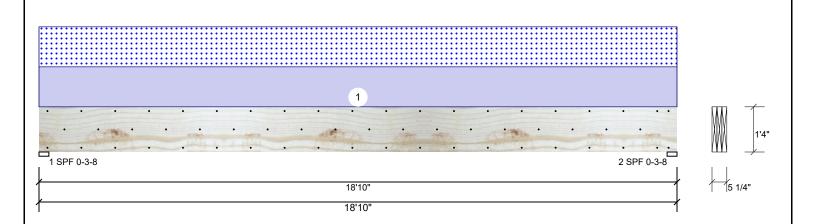
Project: Address: Date: 2/25/2025

Input by: Curtis Quick Job Name: The Lauren III Beams

Project #:

1.750" X 16.000" 3-Ply - PASSED Kerto-S LVL **GDH**

Level: Level



Member Information Reactions UNPATTERNED Ib (Uplift) Application: Floor Type: Plies: 3 Design Method: ASD Moisture Condition: Dry **Building Code:** IBC 2012 Vertical Deflection LL: 480 Load Sharing: Yes Deflection TL: 360 Deck: Not Checked

			` '	-		
Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1692	1516	0	0

1516

1692

0

Page 1 of 6

0

l	Bearings										
ſ	Bearing	Length	Dir.	Сар.	React D/L lb	Total	Ld. Case	Ld. Comb.			
l	1 - SPF	3.500"	Vert	41%	1692 / 1516	3208	L	D+S			
ł	2 - SPF	3.500"	Vert	41%	1692 / 1516	3208	L	D+S			

Analysis Results

Importance:

Temperature:

•						
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	14410 ft-lb	9'5"	62010 ft-lb	0.232 (23%)	D+S	L
Unbraced	14410 ft-lb	9'5"	14425 ft-lb	0.999 (100%)	D+S	L
Shear	2679 lb	1'7 1/2"	20608 lb	0.130 (13%)	D+S	L
LL Defl inch	0.125 (L/1765)	9'5 1/16"	0.460 (L/480)	0.272 (27%)	S	L
TL Defl inch	0.265 (L/834)	9'5 1/16"	0.613 (L/360)	0.432 (43%)	D+S	L

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6". Nail from both sides.
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.

Normal - II

Temp <= 100°F

- 6 Top must be laterally braced at a maximum of 13'4 3/8" o.c.
- 7 Bottom must be laterally braced at end bearings.
- 8 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments	
1	Uniform			Тор	161 PLF	0 PLF	161 PLF	0 PLF	0 PLF	A4A	
	Self Weight				19 PI F						

Notes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive
- Handling & Installation
- LVL beams must not be cut or drilled
 Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 2 Damaged Beams must not be used
- 6. For flat roofs provide proper drainage to prevent ponding

Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us

- Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation
- This design is valid until 6/28/2026

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Client: Weaver Homes

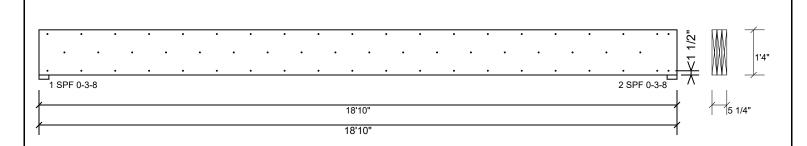
Project: Address: 2/25/2025

Input by: Curtis Quick Job Name: The Lauren III Beams Page 2 of 6

Project #:

1.750" X 16.000" 3-Ply - PASSED **GDH Kerto-S LVL**

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Nail from both sides. Maximum end distance not to exceed

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	245.6 PLF
Yield Limit per Fastener	81.9 lb.
См	1
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1 00

Notes

NOtes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- Infoculing & Installation

 I. VIL beams must not be cut or drilled

 Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 Damaged Beams must not be used

 Design assumes top edge is laterally restrained

 Design assumes top edge is laterally restrained is provide lateral support at bearing points to avoid lateral displacement and rotation
- For flat roofs provide proper drainage to prevent ponding

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us

Manufacturer Info

This design is valid until 6/28/2026



Client: Weaver Homes

Project: Address:

2/25/2025 Input by:

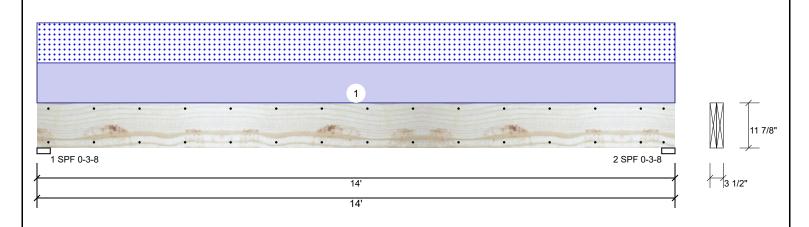
Curtis Quick Job Name: The Lauren III Beams Page 3 of 6

Project #:

Kerto-S LVL GDH-1

1.750" X 11.875" 2-Ply - PASSED

Level: Level



Member Info	rmation			Rea	ctions UNP	ATTER	NED I	b (Uplift)			
Type:	Girder	Application:	Floor	Brg	Direction	Live	е	Dead	Snow	Wind	Const
Plies:	2	Design Method:	ASD	1	Vertical	(0	1696	1631	0	0
Moisture Condition	on: Dry	Building Code:	IBC 2012	2	Vertical	(0	1696	1631	0	0
Deflection LL:	480	Load Sharing:	No								
Deflection TL:	360	Deck:	Not Checked								
Importance:	Normal - II										
Temperature:	Temp <= 100°F										
				Bea	rings						
				Bea	aring Length	Dir.	Сар.	React D/L lb	Total	Ld. Case	Ld. Comb.
				1 -	SPF 3.500"	Vert	64%	1696 / 1631	3327	L	D+S
					SDE 3.500"	Vort	64%	1606 / 1631	3327	1	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	10893 ft-lb	7'	22897 ft-lb	0.476 (48%)	D+S	L
Unbraced	10893 ft-lb	7'	10904 ft-lb	0.999 (100%)	D+S	L
Shear	2727 lb	12'8 5/8"	10197 lb	0.267 (27%)	D+S	L
LL Defl inch	0.195 (L/832)	7' 1/16"	0.339 (L/480)	0.577 (58%)	S	L
TL Defl inch	0.398 (L/408)	7' 1/16"	0.451 (L/360)	0.882 (88%)	D+S	L

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 8'2 11/16" o.c.
- 7 Bottom must be laterally braced at end bearings.
- 8 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Тор	233 PLF	0 PLF	233 PLF	0 PLF	0 PLF	G2
	Self Weight				9 PLF					

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

LVL beams must not be cut or drilled
Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

2 Damaged Beams must not be used

Design assumes top edge is laterally restrained
Provide lateral support at bearing points to avoid
lateral displacement and rotation

For flat roofs provide proper drainage to prevent ponding

This design is valid until 6/28/2026

Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us

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Client: Weaver Homes

Project: Address:

2/25/2025 Input by:

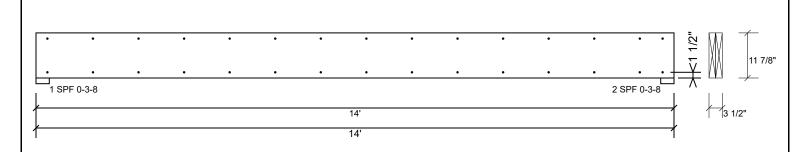
Curtis Quick Job Name: The Lauren III Beams Page 4 of 6

Project #:

GDH-1 **Kerto-S LVL** 1.750" X 11.875"

2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	0.0 %	
Load	0.0 PLF	
Yield Limit per Foot	163.7 PLF	
Yield Limit per Fastener	81.9 lb.	
См	1	
Yield Mode	IV	
Edge Distance	1 1/2"	
Min. End Distance	3"	
Load Combination		
Duration Factor	1.00	

Notes

NOtes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- Handling & Installation

 1. UVI beams must not be cut or drilled

 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 3. Damaged Beams must not be used

 4. Design assumes top edge is laterally restrained

 5. Provide lateral support at bearing points to avoid lateral displacement and rotation
- For flat roofs provide proper drainage to prevent ponding

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us

Manufacturer Info

This design is valid until 6/28/2026



Client: Weaver Homes

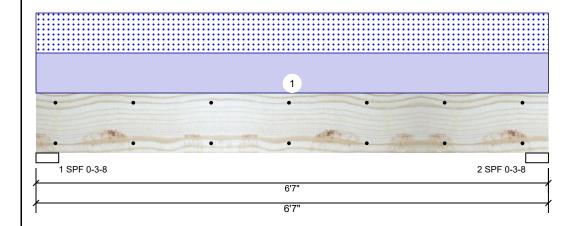
Project: Address: Date: 2/25/2025 Input by:

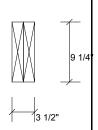
Curtis Quick Job Name: The Lauren III Beams

Project #:

1.750" X 9.250" 2-Ply - PASSED **Kerto-S LVL** BM1

Level: Level





Page 5 of 6

Member Information

Type:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	360
Importance:	Normal - II
Temperature:	Temp <= 100°F

Application: Design Method: ASD **Building Code:** IBC 2012 Load Sharing: No Deck: Not Checked Reactions UNPATTERNED Ib (Uplift) Brg Direction Live Snow Wind Dead Const 0 1551 1527 0 Vertical 0 1 2 Vertical 0 1551 1527 0 0

Bearings

Bearing	Length	Dir.	Cap. I	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	Vert	59%	1551 / 1527	3078	L	D+S
2 - SPF	3.500"	Vert	59%	1551 / 1527	3078	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	4386 ft-lb	3'3 1/2"	14423 ft-lb	0.304 (30%)	D+S	L
Unbraced	4386 ft-lb	3'3 1/2"	10451 ft-lb	0.420 (42%)	D+S	L
Shear	2090 lb	1' 3/4"	7943 lb	0.263 (26%)	D+S	L
LL Defl inch	0.040 (L/1858)	3'3 1/2"	0.153 (L/480)	0.258 (26%)	S	L
TL Defl inch	0.080 (L/922)	3'3 1/2"	0.204 (L/360)	0.391 (39%)	D+S	L

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at end bearings.
- 7 Bottom must be laterally braced at end bearings.
- 8 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Тор	464 PLF	0 PLF	464 PLF	0 PLF	0 PLF	A1
	Self Weight				7 PLF					

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corre
- Handling & Installation
- LVL beams must not be cut or drilled
 Refer to manufacturer's product information
 regarding installation requirements, multi-ply
 fastening details, beam strength values, and code
- approvals

 Damaged Beams must not be used
- 6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 6/28/2026

Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us

	Design assumes top edge is laterally restrained Provide lateral support at bearing points to avoid lateral displacement and rotation
--	--

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Client: Weaver Homes

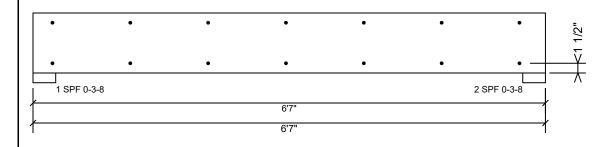
Project: Address: Date: 2/25/2025

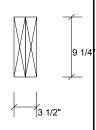
Input by: Curtis Quick Job Name: The Lauren III Beams

Project #:

Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED BM₁

Level: Level





Page 6 of 6

Multi-Ply Analysis

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	163.7 PLF
Yield Limit per Fastener	81.9 lb.
CM	1
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Notes

NOtes
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- Handling & Installation

 1. UVI beams must not be cut or drilled

 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 3. Damaged Beams must not be used

 4. Design assumes top edge is laterally restrained

 5. Provide lateral support at bearing points to avoid lateral displacement and rotation
- 6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 6/28/2026

(800) 622-5850 www.metsawood.com/us

Manufacturer Info

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