

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

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

CLIMATE ZONE	ZONE 3A	ZONE 4A	ZONE 5A
FENESTRATION U-FACTOR	0.35	0.35	0.35
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	15
FLOOR R-VALUE	19	19	30
* BASEMENT WALL R-VALUE	5/13	10/15	10/15
** SLAB R-VALUE	0	10	10
** GRAVE 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

DESIGNED FOR WIND SPEED OF 120 MPH, 3 SECOND GUST (93 FASTEST MILE EXPOSURE 19")

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS

MEAN ROOF UP TO 30' 30'-1" TO 35' 35'-1" TO 40' 40'-1" TO 45'
ZONE 1 14.2 -15.0 14.9 -15.8 15.5 -16.4 15.9 -16.8
ZONE 2 14.2 -18.0 14.9 -18.9 15.5 -19.6 15.9 -20.2
ZONE 3 14.2 -18.0 14.9 -18.9 15.5 -19.6 15.9 -20.2
ZONE 4 15.5 -16.0 16.3 -16.8 16.9 -17.4 17.4 -17.9
ZONE 5 15.5 -20.0 16.3 -21.0 16.9 -21.8 17.4 -22.4

DESIGNED FOR WIND SPEED OF 120 MPH, 3 SECOND GUST (101 FASTEST MILE EXPOSURE 19")

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS

MEAN ROOF UP TO 30' 30'-1" TO 35' 35'-1" TO 40' 40'-1" TO 45'
ZONE 1 16.7 -18.0 17.5 -18.9 18.2 -19.6 18.7 -20.2
ZONE 2 16.7 -21.0 17.5 -22.1 18.2 -22.9 18.7 -23.5
ZONE 3 16.7 -21.0 17.5 -22.1 18.2 -22.9 18.7 -23.5
ZONE 4 18.2 -19.0 19.1 -20.0 19.8 -20.7 20.4 -21.3
ZONE 5 18.2 -24.0 19.1 -25.2 19.8 -26.2 20.4 -26.9

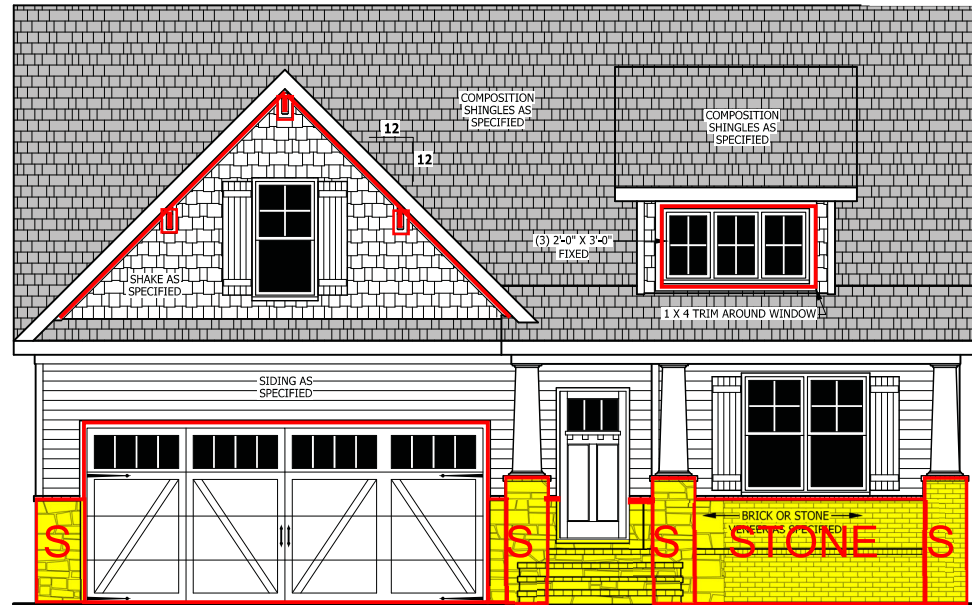
GUARD RAIL NOTES

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

ROOF VENTILATION

SECTION R806
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.

**LOT 36 WEST PRESERVE 3CG
100 OLEANDER DR, SANFORD, NC
27332**



FRONT ELEVATION - A

SCALE 1/4" = 1'-0"

SQUARE FOOTAGE

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

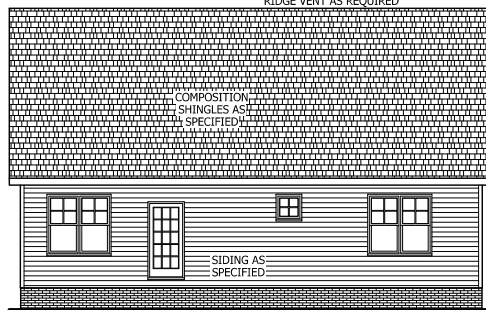
AIR LEAKAGE

Section N1102.4
N1102.4.1 Building thermal envelope. The building thermal envelope shall be durably sealed with an air barrier material to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. For all homes, where present, the following shall be caulked, gasketed, weather striped or otherwise sealed with an air barrier material or solid material consistent with Appendix E-2.4 of this code:
1. Blocking and sealing floor/ceiling systems and under knee walls open to unconditioned or exterior space.
2. Capping and sealing shafts or chases, including flue shafts.
3. Capping and sealing soffit or dropped ceiling areas.



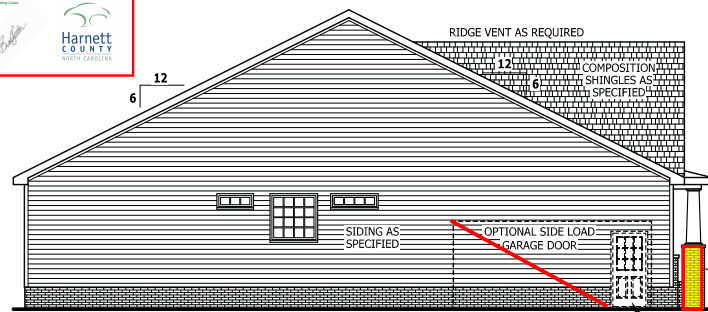
WINDOWS WITH SIDE LOAD

SCALE 1/8" = 1'-0"



REAR ELEVATION

SCALE 1/8" = 1'-0"



LEFT SIDE ELEVATION

SCALE 1/8" = 1'-0"



RIGHT SIDE ELEVATION

SCALE 1/8" = 1'-0"

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

ELEVATION - A
The Lauren III

HAYNES WEAVER HOMES
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183 Weaver Drive, Fayetteville, NC 28405
P.O. BOX 102, WAKE FOREST, NC 27388 • 919.438-6180 • FAX 919.438-4910

SQUARE FOOTAGE

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

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3CG
COVERED
PORCH

DWELLING / GARAGE SEPARATION

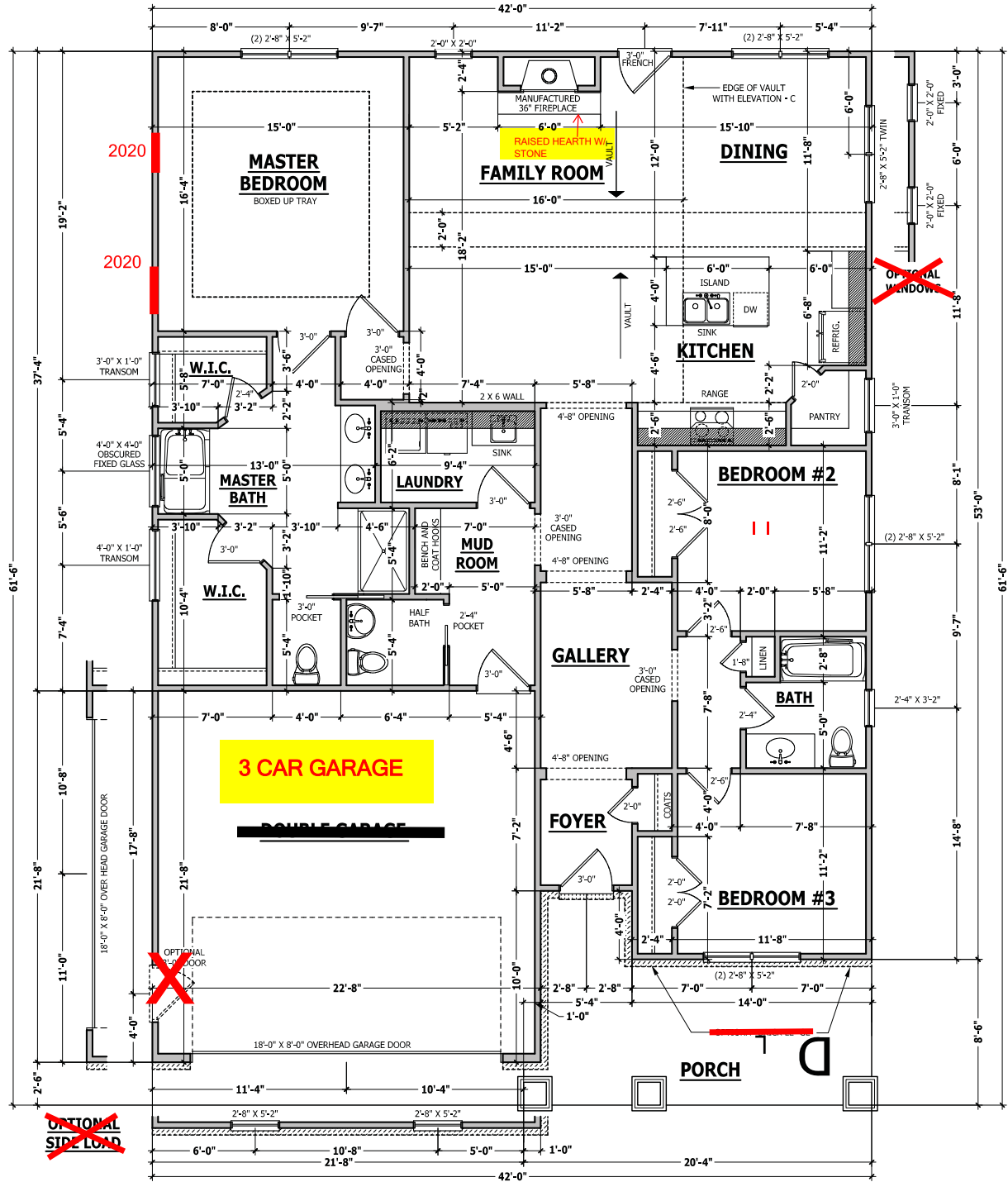
REFER TO SECTIONS R302.5, R302.6, AND R302.7
WALLS. A minimum 1/2" gypsum board must be installed on all walls supporting floor/ceiling assemblies used for separation required by this section.
STAIRS. A minimum of 1/2" gypsum board must be installed on the underside and exposed sides of all stairways.
CEILINGS. A minimum of 1/2" gypsum must be installed on the garage ceiling if there are no habitable room above the garage. If there are habitable room above the garage a minimum of 5/8" type X gypsum board must be installed on the garage ceiling.
OPENING PENETRATIONS. Openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors.
DUCT PENETRATIONS. Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.
OTHER PENETRATIONS. Penetrations through the separation required in Section R302.6 shall be protected as required by Section R302.11, Item 4.

SQUARE FOOTAGE

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

FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"



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FIRST FLOOR PLAN
 The Lauren III

HAYNES WEAVER HOMES
HOME PLANS, INC.
 P.O. BOX 709, WILKIE FOREST, NC 27588 919-485-6100 FAX 919-485-1988

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

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 4/29/2020
 200220B
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STRUCTURAL NOTES

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

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

USE	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=1.9x10⁶ PSI
Parallel strand lumber (PSL) = Fb=2900 PSI, Fv=290 PSI, E=2.0x10⁶ PSI
Laminated strand lumber (LSL) Fb=2250 PSI, Fv=480 PSI, E=1.55x10⁶ PSI
Use all connectors per manufacturer's instructions.

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

LINTELS: Brick lintels shall be 3 1/2" x 3 1/2" x 1/4" steel angle for up to 6'-0" span, 6" x 4" x 5/16" steel angle with 6" leg vertical for spans up to 8'-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 Plan, Inc. attention before construction begins.

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

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

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

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.

GYPSONUM: 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 R602.3.5. 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 its 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 closest to the corner.

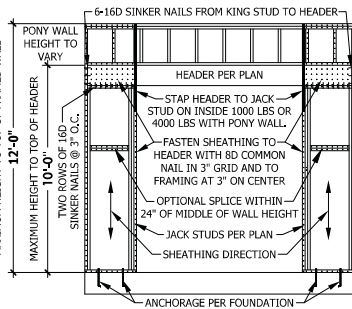
Methods: Per Table R602.10.1

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

CS-SFB: Shall be minimum 1/2" structural fiber board nailed at 3" on center at edges and 3" on center at intermediate supports with 1 1/2" long x 0.12" diameter galvanized roofing nails.

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

PF: Portal frame per figure R602.10.1



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

EXTERIOR HEADERS

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

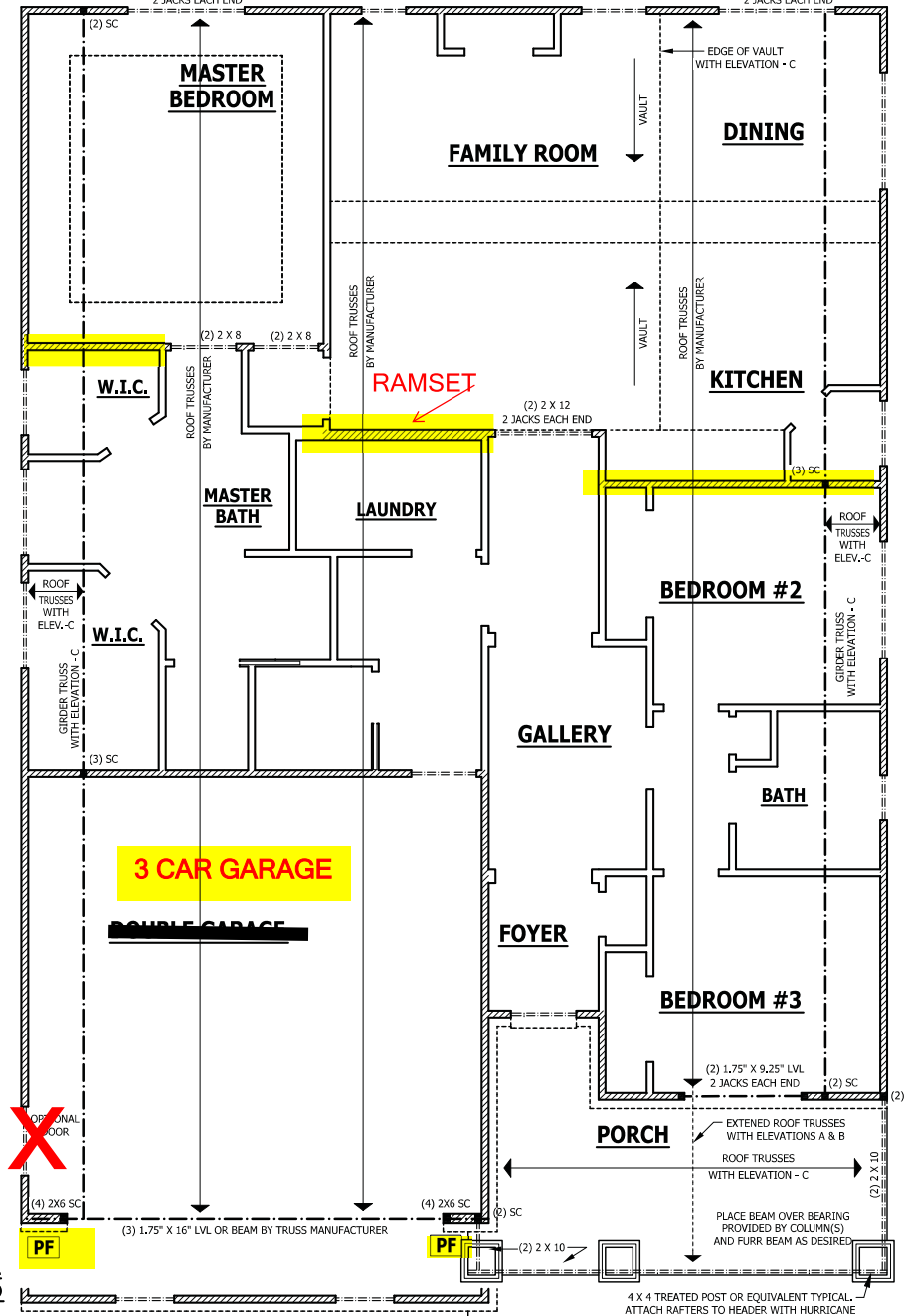
HEADER SPAN	< 3'	3'-4'	4'-8'	8'-12'	12'-16'
KING STUD(S)	1	2	3	5	6

INTERIOR HEADERS

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

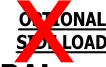
FIRST FLOOR STRUCTURAL

SCALE 1/4" = 1'-0"



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

3CG COVERED PORCH



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FIRST FLOOR STRUCTURAL
The Lauren III

HAYNES WEAVER HOMES HOME PLANS INC.
910-630-2100 • 919-606-4696
500 Weaver Blvd., Matthews, NC 28105

HAYNES WEAVER HOMES HOME PLANS INC.
P.O. Box 709, Wile Forest, NC 27788 813-435-4100 Fax 813-435-4911

SQUARE FOOTAGE	
HEATED FIRST FLOOR	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL CLOSET ROOM WITH ELEVATIONS A & B	148 SQ.FT.
UNHEATED FRONT PORCH	188 SQ.FT.
UNHEATED GARAGE	469 SQ.FT.
UNHEATED OPTIONAL SCREENED PORCH	160 SQ.FT.
SCREENED PORCH	160 SQ.FT.
THIRD GARAGE	292 SQ.FT.
TOTAL	2660 SQ.FT.

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4/29/2020
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PAGE 4 OF 6

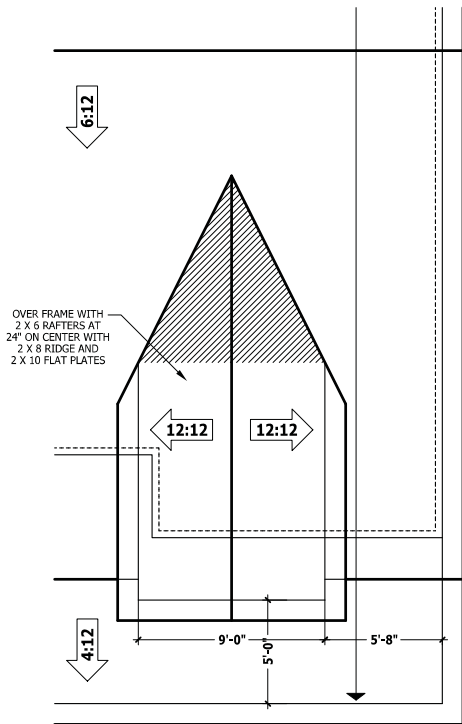
ROOF TRUSS REQUIREMENTS

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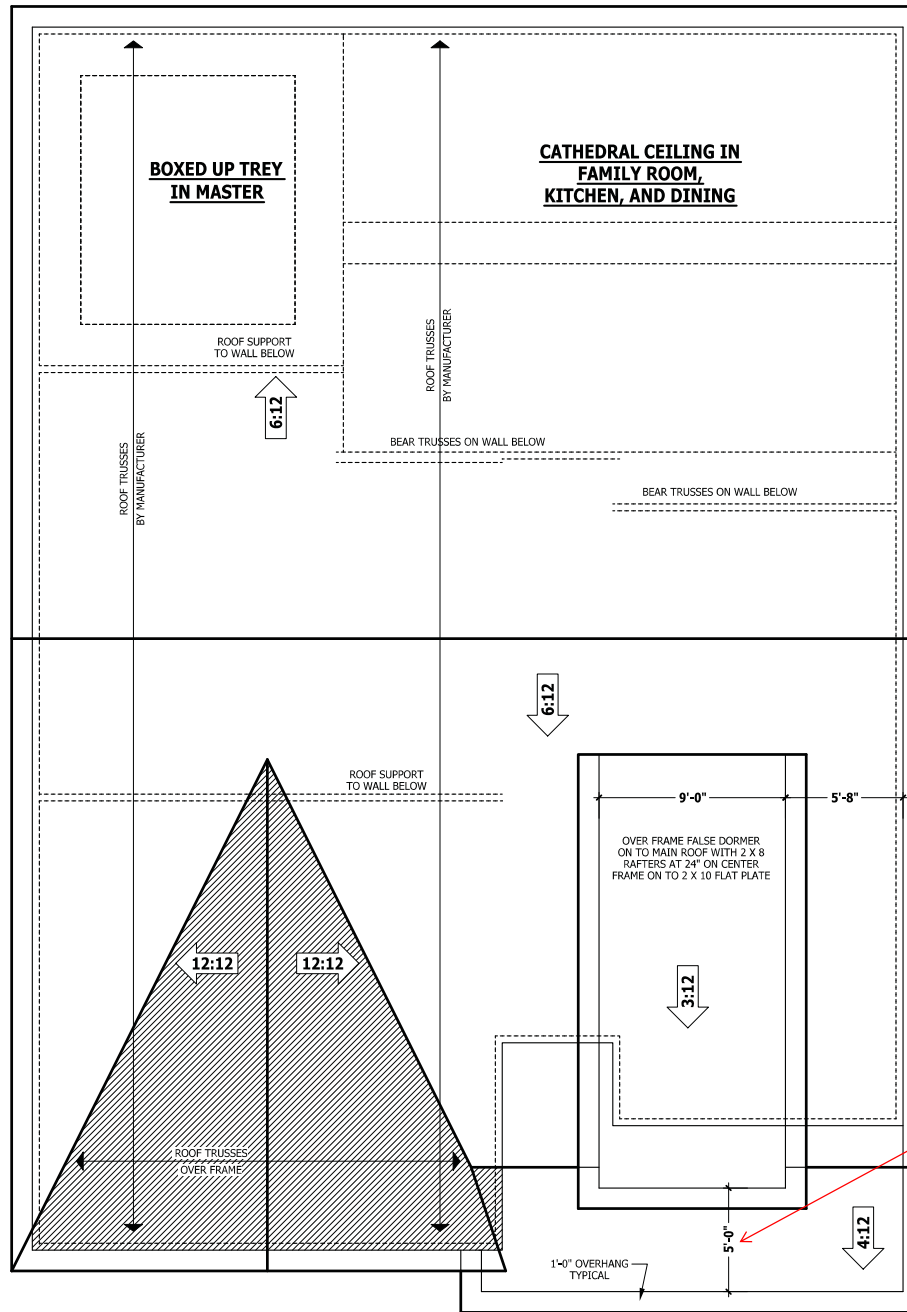
ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics.
BEARING. All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.

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

- HEEL HEIGHT ABOVE FIRST FLOOR PLATE
- HEEL HEIGHT ABOVE SECOND FLOOR PLATE



DORMER WITH ELEVATION - B



ROOF PLAN WITH ELEVATIONS - A & B

SCALE 1/4" = 1'-0"

DORMER WITH ELEVATION - A

3CG COVERED PORCH

60" KNEE WALL HEIGHT
CENTER WINDOW

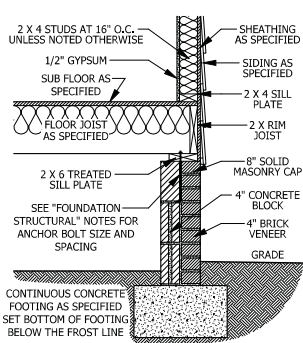
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ROOF PLAN WITH ELEVATIONS - A & B
The Lauren III

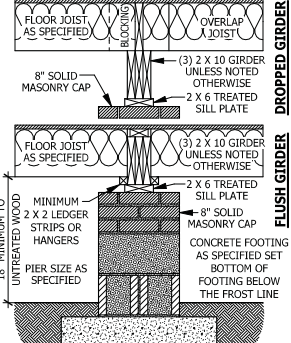
HAYNES WEAVER HOMES

HAYNES HOME PLANS, INC.
P.O. BOX 708, WAKE FOREST, NC 27788 919-485-4100 FAX 919-485-4811

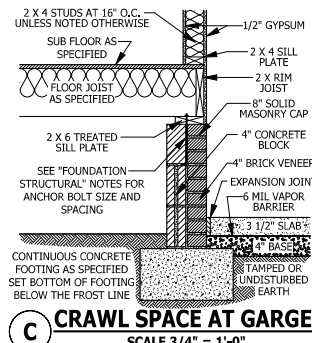
SQUARE FOOTAGE	
HEATED	1791 SQ.FT.
TOTAL	1791 SQ.FT.
HEATED OPTIONAL	
CASUALTY ROOM	148 SQ.FT.
	148 SQ.FT.
UNHEATED	
FRONT PORCH	188 SQ.FT.
GARAGE	489 SQ.FT.
	489 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	160 SQ.FT.
DOCK OR PATIO	188 SQ.FT.
THIRD GARAGE	292 SQ.FT.
TOTAL	2622 SQ.FT.



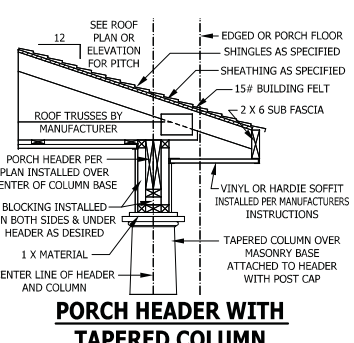
A CRAWL SPACE WALL
SCALE 3/4" = 1'-0"



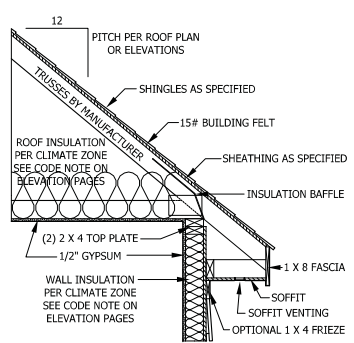
B DROPPED / FLUSH PIER
SCALE 3/4" = 1'-0"



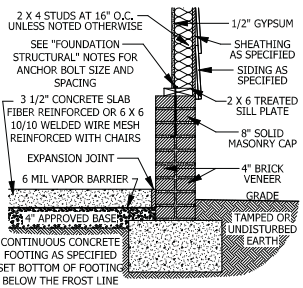
C CRAWL SPACE AT GARGE
SCALE 3/4" = 1'-0"



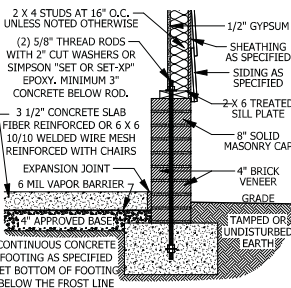
D GARAGE STEM WALL
SCALE 3/4" = 1'-0"



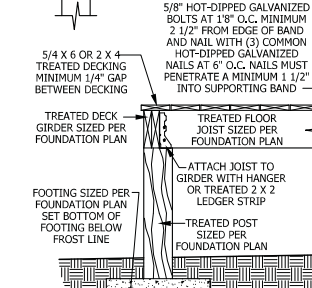
E <48" GARAGE WING WALL
SCALE 3/4" = 1'-0"



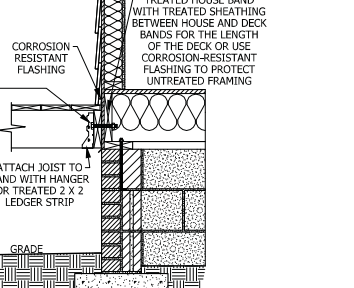
A DECK STAIR NOTES
SCALE 3/4" = 1'-0"



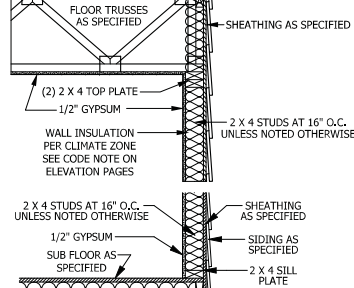
B DECK STAIR NOTES
SCALE 3/4" = 1'-0"



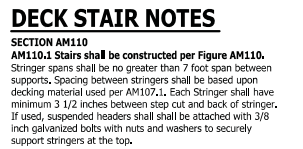
C DECK STAIR NOTES
SCALE 3/4" = 1'-0"



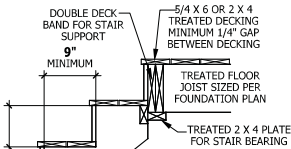
D DECK STAIR NOTES
SCALE 3/4" = 1'-0"



E DECK STAIR NOTES
SCALE 3/4" = 1'-0"



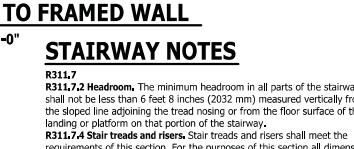
A DECK BRACING
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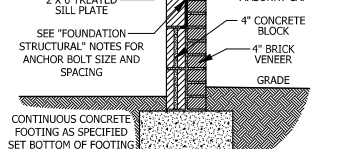
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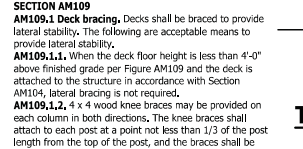
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D DECK BRACING
SCALE 3/4" = 1'-0"



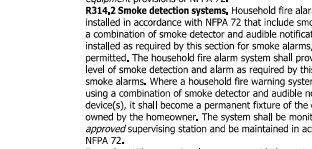
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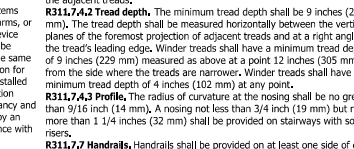
A TYPICAL DECK STAIR DETAIL
SCALE 3/4" = 1'-0"



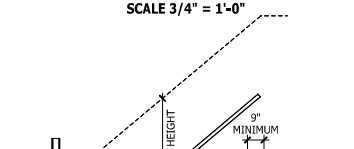
B WEEP SCREEDS
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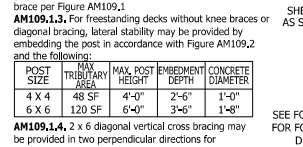
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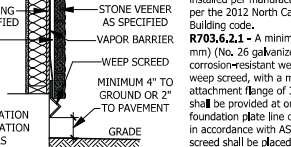
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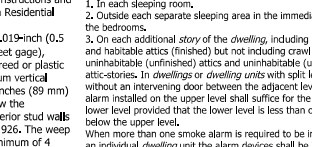
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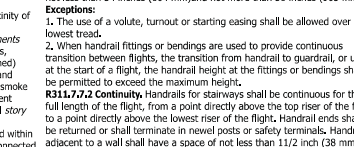
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B WEEP SCREED
SCALE 3/4" = 1'-0"



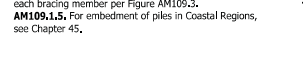
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D WEEP SCREED
SCALE 3/4" = 1'-0"



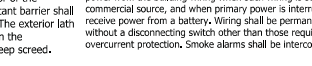
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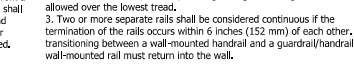
A TYPICAL STAIR DETAIL
SCALE 1/4" = 1'-0"



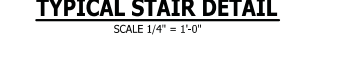
B TYPICAL STAIR DETAIL
SCALE 1/4" = 1'-0"



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



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



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



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



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



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



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



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

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

TYPICAL DETAILS
The Lauren III

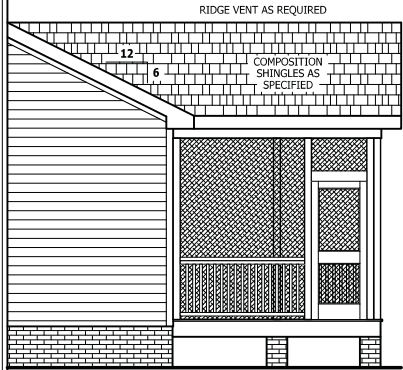
HAYNES WEAVER HOMES

HAYNES WEAVER HOMES PLANS INC.

SQUARE FOOTAGE
HEATED FLOOR 1791 SQ.FT.
TOTAL FLOOR AREA 1971 SQ.FT.
HEATED OPTION 1971 SQ.FT.
COLUMBIAN ROOM 148 SQ.FT.
UNHEATED 188 SQ.FT.
SCREENED PORCH 188 SQ.FT.
SCREENED PORCH 188 SQ.FT.
SCREENED PORCH 188 SQ.FT.
SCREENED PORCH 188 SQ.FT.
TOTAL 5025 SQ.FT.

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4/29/2020
200220B
PAGE 6 OF 6

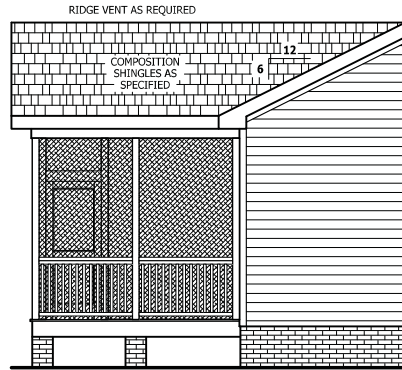
Z:\Builder\Weaver Development Company, Inc\2002208 Lauren III\2002208 Lauren III-Left.aec



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

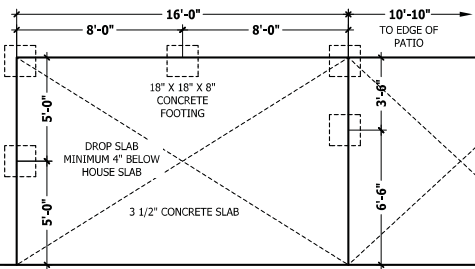


REAR ELEVATION
SCALE 1/4" = 1'-0"

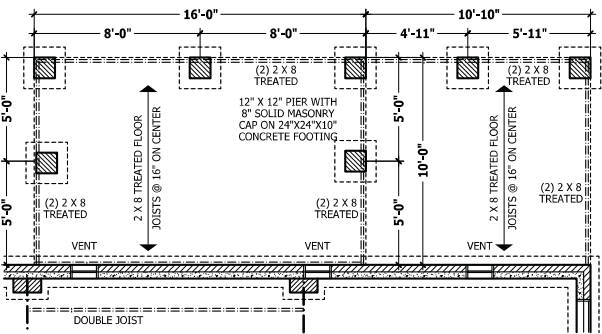


LEFT SIDE ELEVATION
SCALE 1/4" = 1'-0"

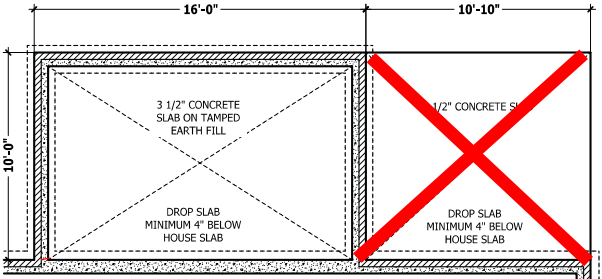
**3CG
COVERED
PORCH**



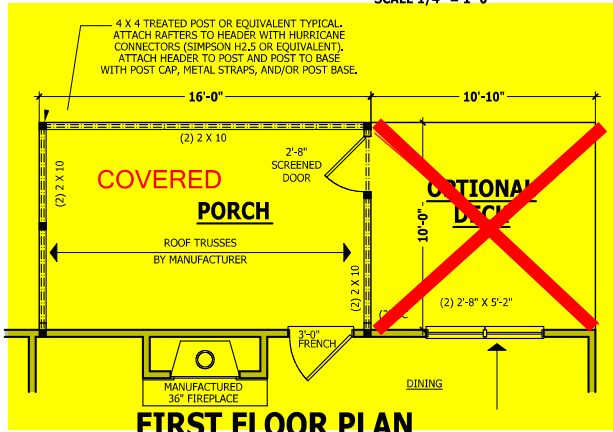
MONOLITHIC SLAB PLAN
SCALE 1/4" = 1'-0"



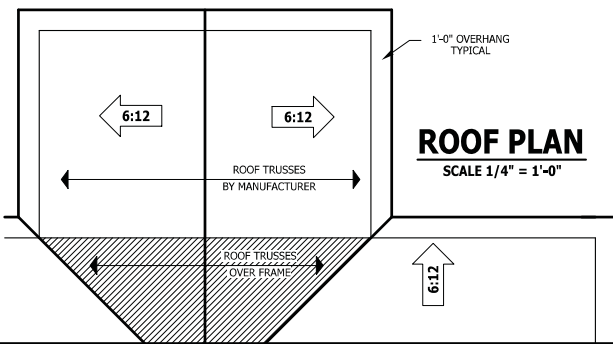
CRAWL SPACE PLAN
SCALE 1/4" = 1'-0"



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



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



ROOF PLAN
SCALE 1/4" = 1'-0"

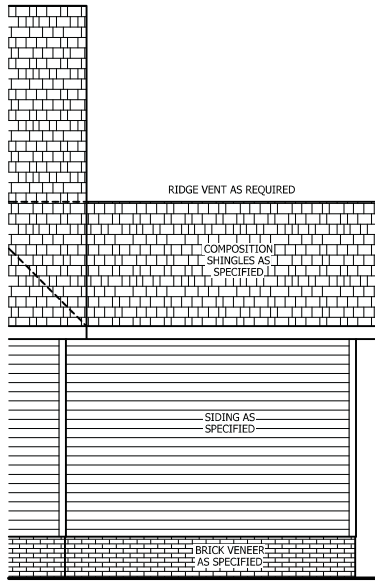
PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION BEGINS. HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTOR PRACTICES AND PROCEDURES. CODES AND CONDITIONS MAY VARY WITH LOCATION. A LOCAL DESIGNER, ARCHITECT OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION. THESE DRAWINGS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

PORCH ADDENDUM
The Lauren III

HAYNES WEAVER HOMES
HOME PLANS, INC.
P.O. BOX 708, WAKE FOREST, NC 27788 919-485-1100 FAX 919-485-1188
910-630-2100 • 919-606-4696

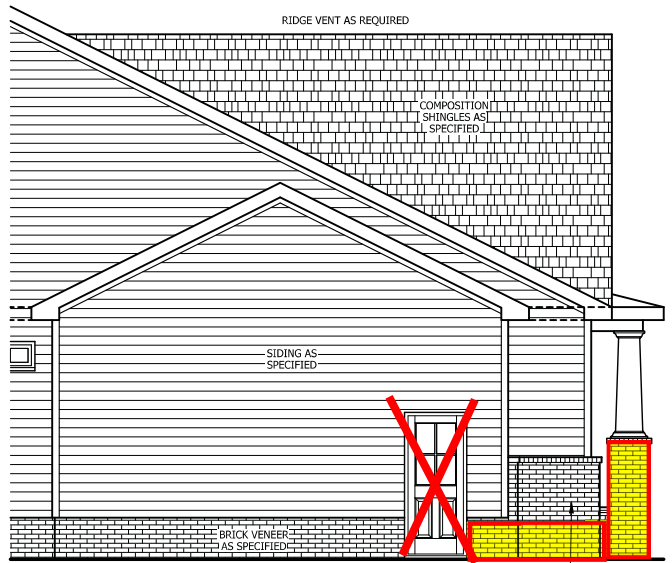
SQUARE FOOTAGE	
HEATED FIRST FLOOR	1791 SQ.FT.
UNHEATED FRONT PORCH	188 SQ.FT.
UNHEATED SCREENED PORCH	160 SQ.FT.
UNHEATED DECK	489 SQ.FT.
UNHEATED PATIO	189 SQ.FT.
UNHEATED THIRD GARAGE	292 SQ.FT.
TOTAL	2608 SQ.FT.

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ADDENDUM



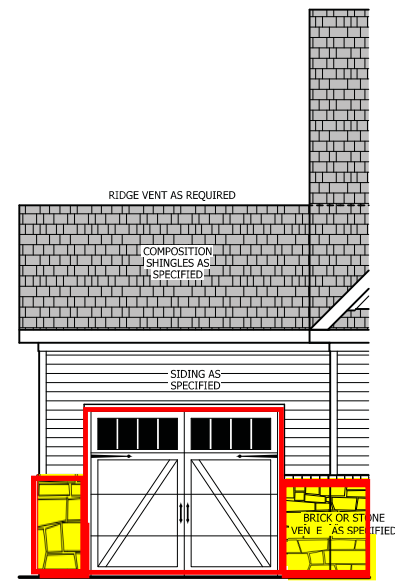
REAR ELEVATION

SCALE 1/8" = 1'-0"



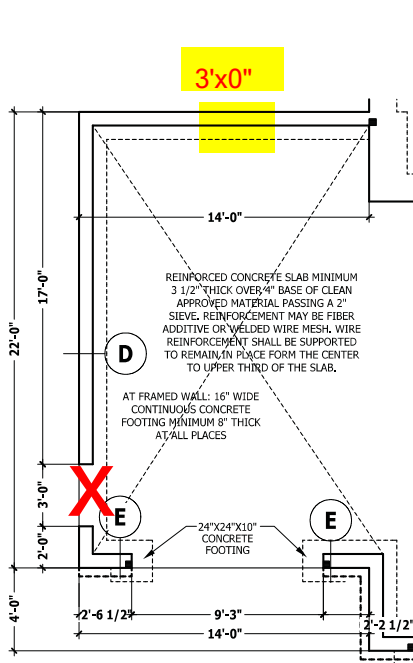
SIDE ELEVATION

SCALE 1/4" = 1'-0"



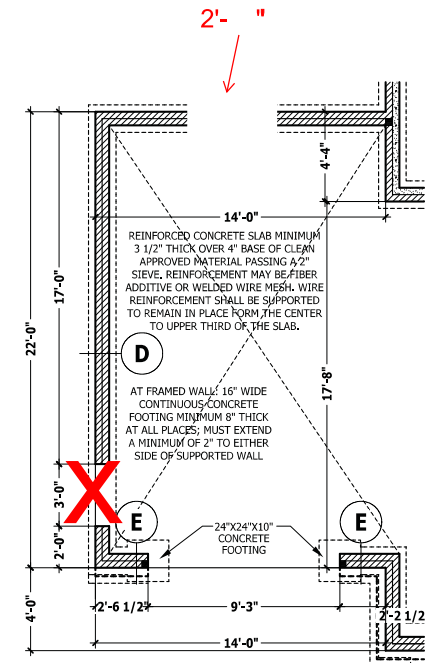
FRONT ELEVATION

SCALE 1/4" = 1'-0"



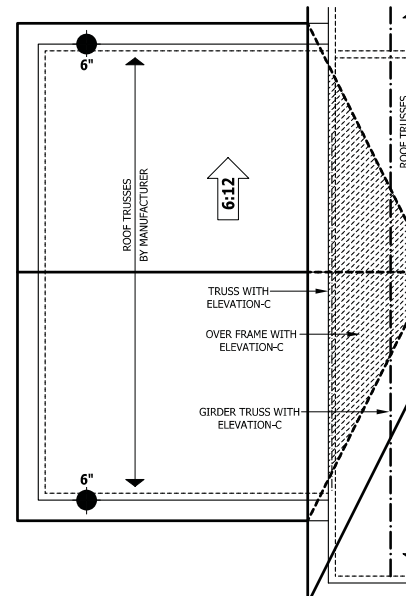
MONOLITHIC SLAB PLAN

SCALE 1/4" = 1'-0"



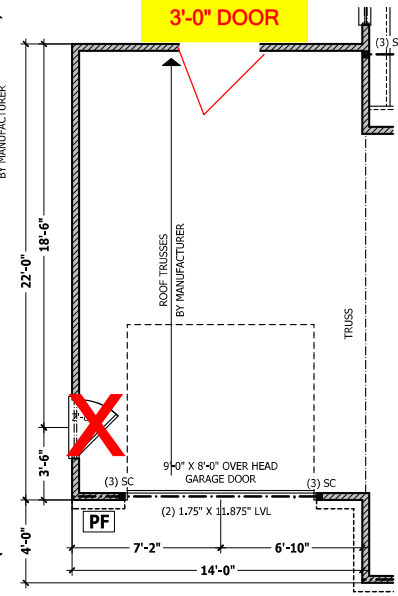
CRAWL SPAC / STEM WALL

SCALE 1/4" = 1'-0"



ROOF PLAN

SCALE 1/4" = 1'-0"



FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"

SEE BASE PLAN FOR NOTES AND DETAILS

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

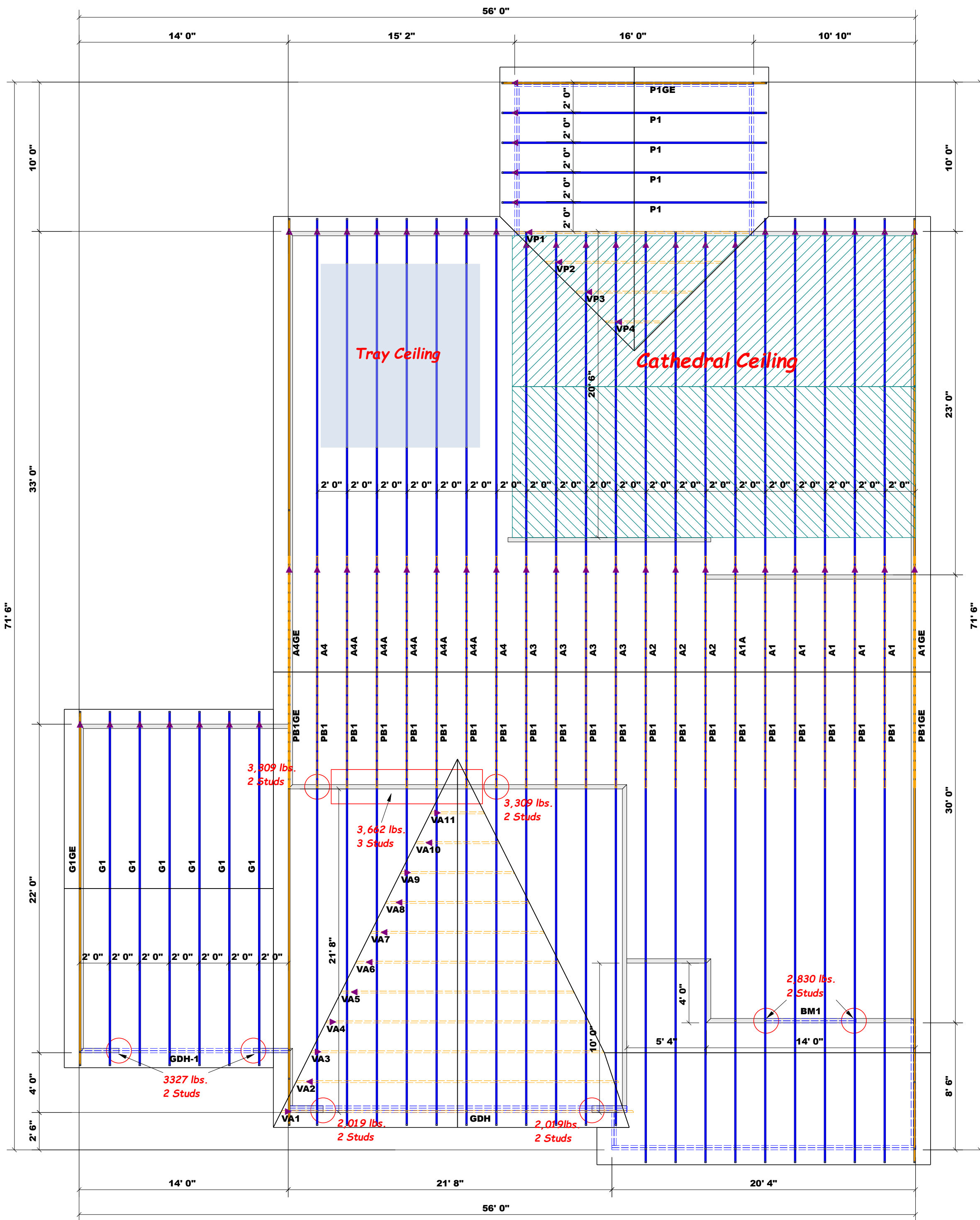
FRONT LOAD THIRD CAR

The Lauren III

HAYNES WEAVER
HOME PLANS, INC.
 P.O. BOX 708, WILKES BARRE, PA 18258 814-838-4100 FAX 814-838-4118
 910-630-2100 • 919-606-4696
500 Woodside Drive, Matthews, NC 28105

SQUARE FOOTAGE	
HEATED	1791 SQ.FT.
UNHEATED	1791 SQ.FT.
HEATED OPTIONAL	
CASUAL ROOM	148 SQ.FT.
FRONT PORCH	188 SQ.FT.
GARAGE	489 SQ.FT.
UNHEATED OPTIONAL	
SCREENED PORCH	160 SQ.FT.
DECK OR PATIO	189 SQ.FT.
THIRD GARAGE	292 SQ.FT.
TOTAL	560 SQ.FT.

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 ADDENDUM



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

-- Denotes Reaction Greater than 3,000 lbs.

Truss Placement Plan
SCALE: 3/16" = 1'

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

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

LOAD CHART FOR JACK STUDS

(BASED ON TABLES B502.5(1) & (2))
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADERS

END REACTION (UP TO) @ END OF HEADERS	END REACTION (UP TO) @ END OF HEADERS	END REACTION (UP TO) @ END OF HEADERS
1700	2550	3400
3400	5100	6800
5100	7650	10200
6800	10200	13600
8500	12750	17000
10200	15300	
11900		
13600		
15300		

BUILDER	Weaver Development	CITY / CO.	Sanford / Harnett
JOB NAME	Lot 36 West Preserve	ADDRESS	100 Oleander Dr.
PLAN	Lauren III / Elev. A / 3 Car / CP	MODEL	Roof
SEAL DATE	4/29/20	DATE REV.	09/14/23
QUOTE #	Quote #	DRAWN BY	Curtis Quick
JOB #	J0923-5108	SALES REP.	Lenny Norris

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.
These trusses are designed as individual building components to be incorporated into 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 designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, 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 package or online @ sbcindustry.com

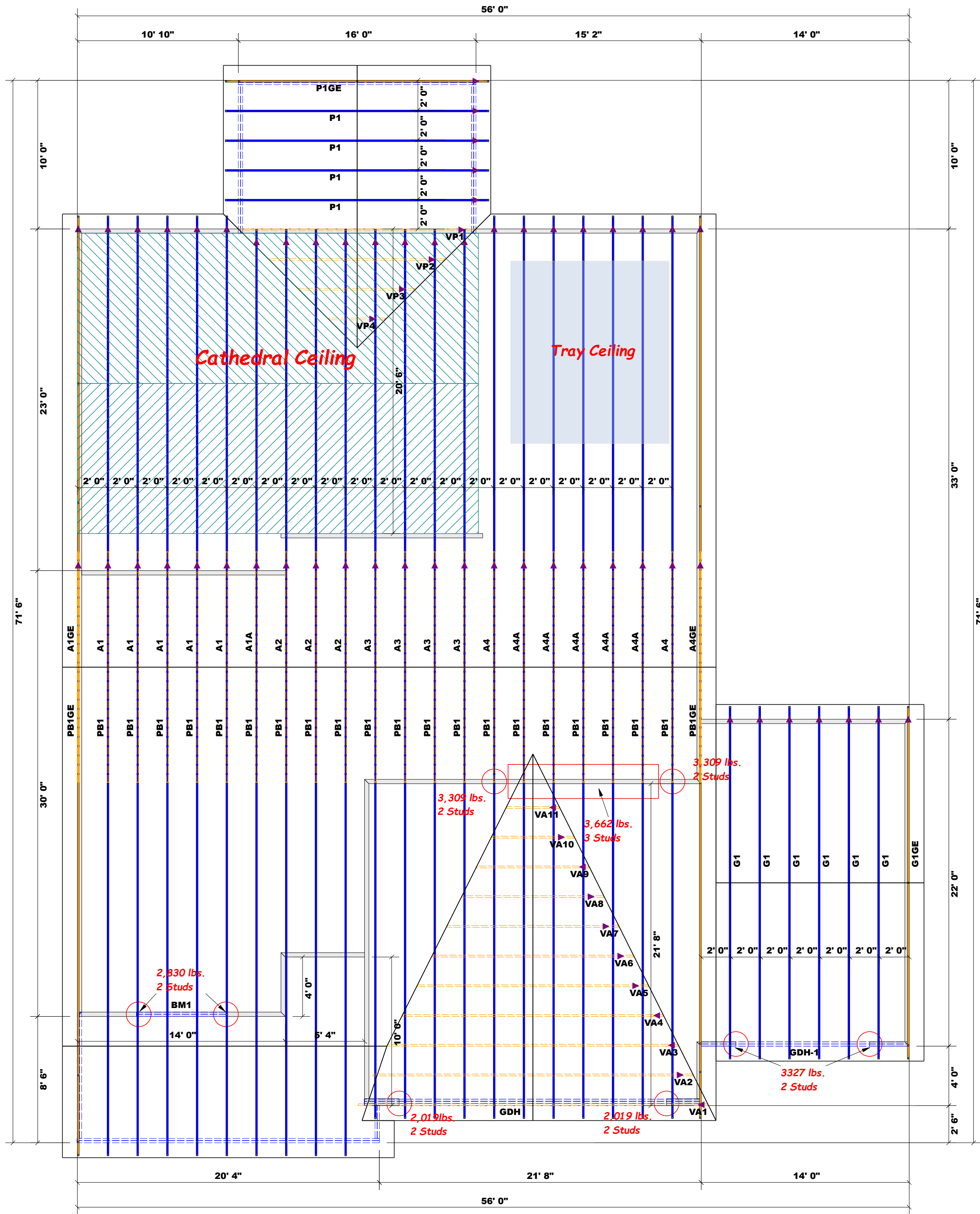
Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature Curtis Quick
Curtis Quick



ROOF & FLOOR TRUSSES & BEAMS

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



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

○ -- Denotes Reaction Greater than 3,000 lbs.

Truss Placement Plan
SCALE: 3/16" = 1'

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

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

LOAD CHART FOR JACK STUDS

(BASED ON TABLES B502.5(1) & (2))
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEAD/SUPPORT

END REACTION (UP TO) (DOWN) (DOWN)	END REACTION (UP TO) (DOWN) (DOWN)	END REACTION (UP TO) (DOWN) (DOWN)
1700	2550	3400
3400	5100	6800
5100	7650	10200
6800	10200	13600
8500	12750	17000
10200	15300	
11900		
13600		
15300		

BUILDER	Weaver Development	CITY / CO.	Sanford / Harnett
JOB NAME	Lot 36 West Preserve	ADDRESS	100 Oleander Dr.
PLAN	Lauren III / Elev. A / 3 Car / CP	MODEL	Roof
SEAL DATE	4/29/20	DATE REV.	09/14/23
QUOTE #	Quote #	DRAWN BY	Curtis Quick
JOB #	J0923-5108	SALES REP.	Lenny Norris

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.
These trusses are designed as individual building components to be incorporated into 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 designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSB-1 and BCSB-3 provided with the truss delivery package 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 Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

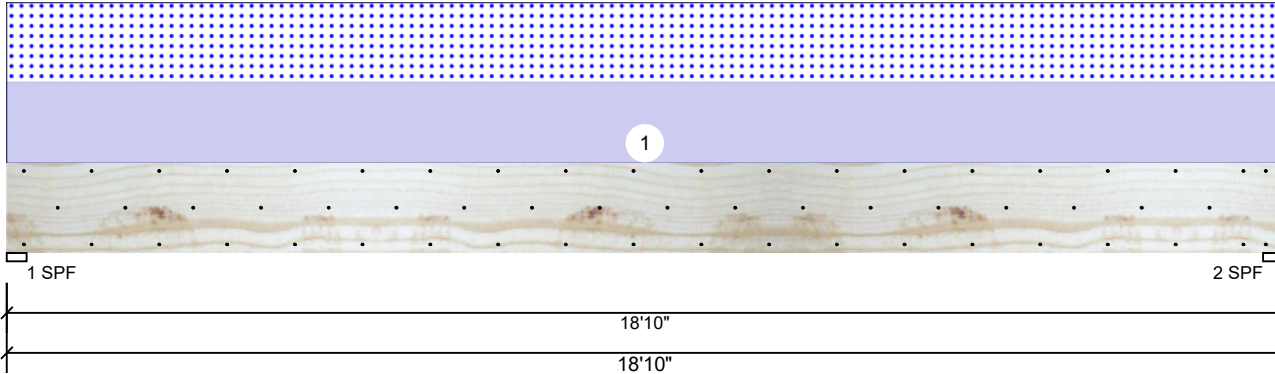
Signature: Curtis Quick
Curtis Quick

ROOF & FLOOR TRUSSES & BEAMS

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

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

Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	3	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC 2012
Deflection LL:	480	Load Sharing:	Yes
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1127	951	0	0
2	Vertical	0	1127	951	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	Vert	27%	1127 / 951	2078	L	D+S
2 - SPF	3.500"	Vert	27%	1127 / 951	2078	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	9334 ft-lb	9'5"	62010 ft-lb	0.151 (15%)	D+S	L
Unbraced	9334 ft-lb	9'5"	10990 ft-lb	0.849 (85%)	D+S	L
Shear	1744 lb	17'2 1/2"	20608 lb	0.085 (8%)	D+S	L
LL Defl inch	0.078 (L/2813)	9'5 1/16"	0.460 (L/480)	0.171 (17%)	S	L
TL Defl inch	0.171 (L/1288)	9'5 1/16"	0.613 (L/360)	0.280 (28%)	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".
- 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			Top	101 PLF	0 PLF	101 PLF	0 PLF	0 PLF	A4A
	Self Weight				19 PLF					

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.

Lumber

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

chemicals

Handling & Installation

1. LVL 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 11/3/2024

Manufacturer Info

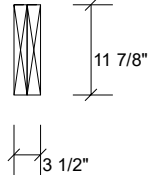
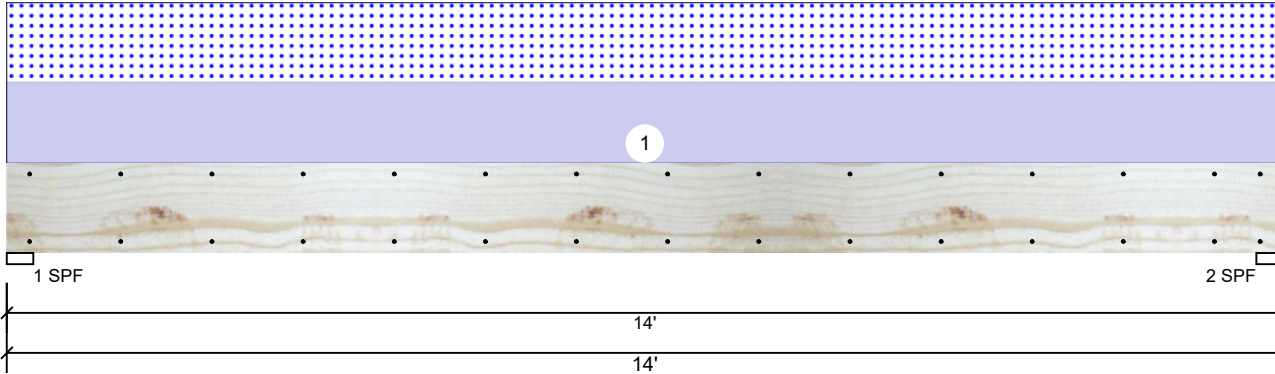
Metsä Wood
 301 Merritt 7 Building, 2nd Floor
 Norwalk, CT 06851
 (800) 622-5850
www.metsawood.com/us

Comtech, Inc.
 1001 S. Reilly Road, Suite #639
 Fayetteville, NC
 USA
 28314
 910-864-TRUS



GDH-1 Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED

Level: Level



Member Information

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

Application:	Floor
Design Method:	ASD
Building Code:	IBC 2012
Load Sharing:	No
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1696	1631	0	0
2	Vertical	0	1696	1631	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	Vert	64%	1696 / 1631	3327	L	D+S
2 - SPF	3.500"	Vert	64%	1696 / 1631	3327	L	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			Top	233 PLF	0 PLF	233 PLF	0 PLF	0 PLF	G1
	Self Weight				9 PLF					

Notes

Calculated Structural 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.

Lumber

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

Handling & Installation

1. LVL 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 11/3/2024

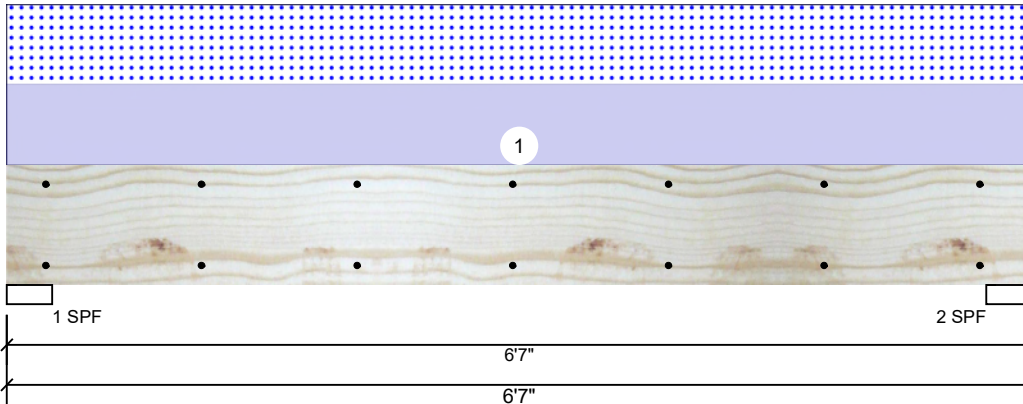
Manufacturer Info

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

Comtech, Inc.
 1001 S. Reilly Road, Suite #639
 Fayetteville, NC
 USA
 28314
 910-864-TRUS



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



Member Information

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

Application:	Floor
Design Method:	ASD
Building Code:	IBC 2012
Load Sharing:	No
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1564	1541	0	0
2	Vertical	0	1564	1541	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	Vert	60%	1564 / 1541	3105	L	D+S
2 - SPF	3.500"	Vert	60%	1564 / 1541	3105	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	4423 ft-lb	3'3 1/2"	14423 ft-lb	0.307 (31%)	D+S	L
Unbraced	4423 ft-lb	3'3 1/2"	10451 ft-lb	0.423 (42%)	D+S	L
Shear	2108 lb	1' 3/4"	7943 lb	0.265 (27%)	D+S	L
LL Defl inch	0.040 (L/1842)	3'3 1/2"	0.153 (L/480)	0.261 (26%)	S	L
TL Defl inch	0.080 (L/914)	3'3 1/2"	0.204 (L/360)	0.394 (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			Top	468 PLF	0 PLF	468 PLF	0 PLF	0 PLF	A1
	Self Weight				7 PLF					

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.

Lumber

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

Handling & Installation

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