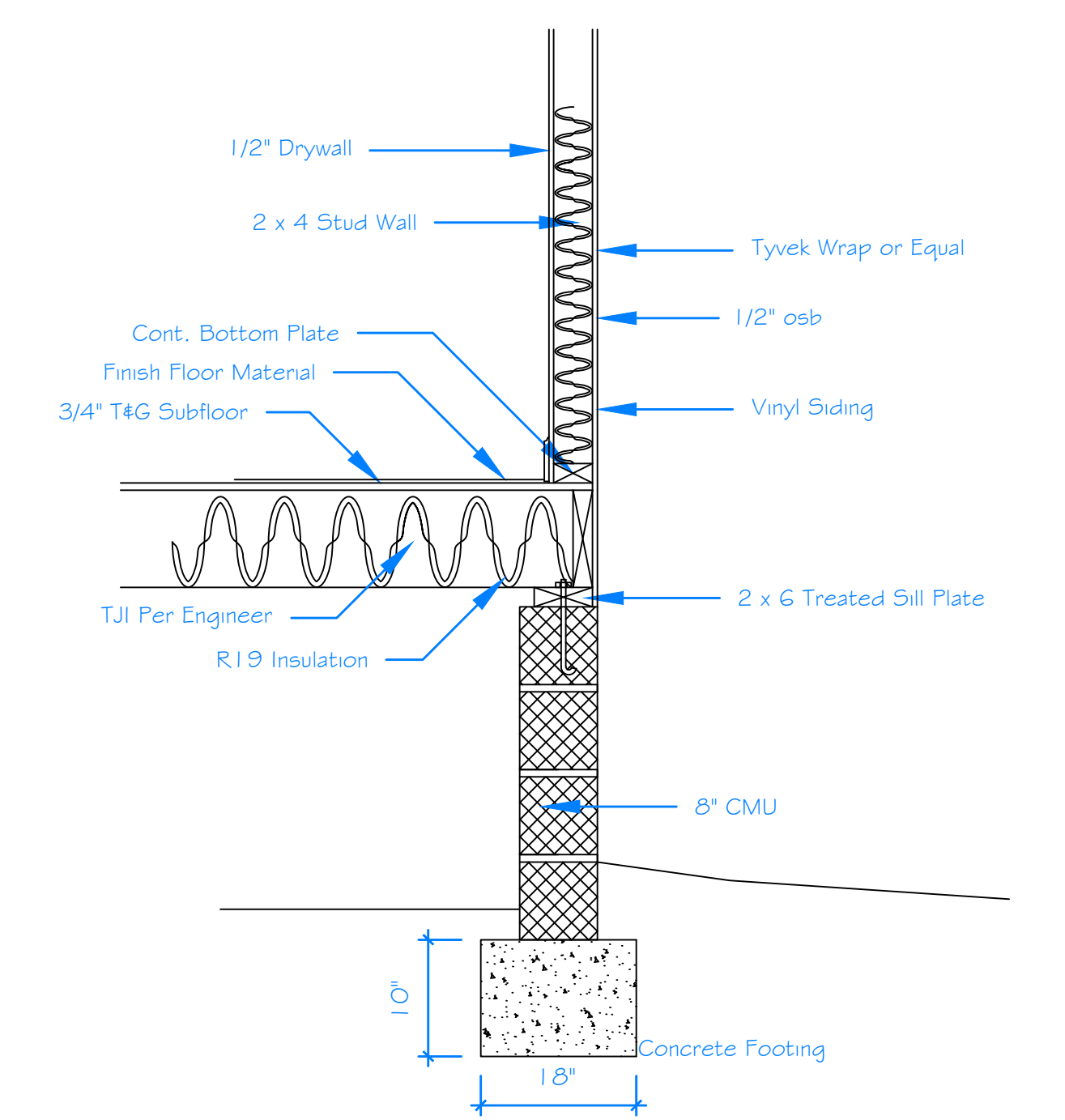


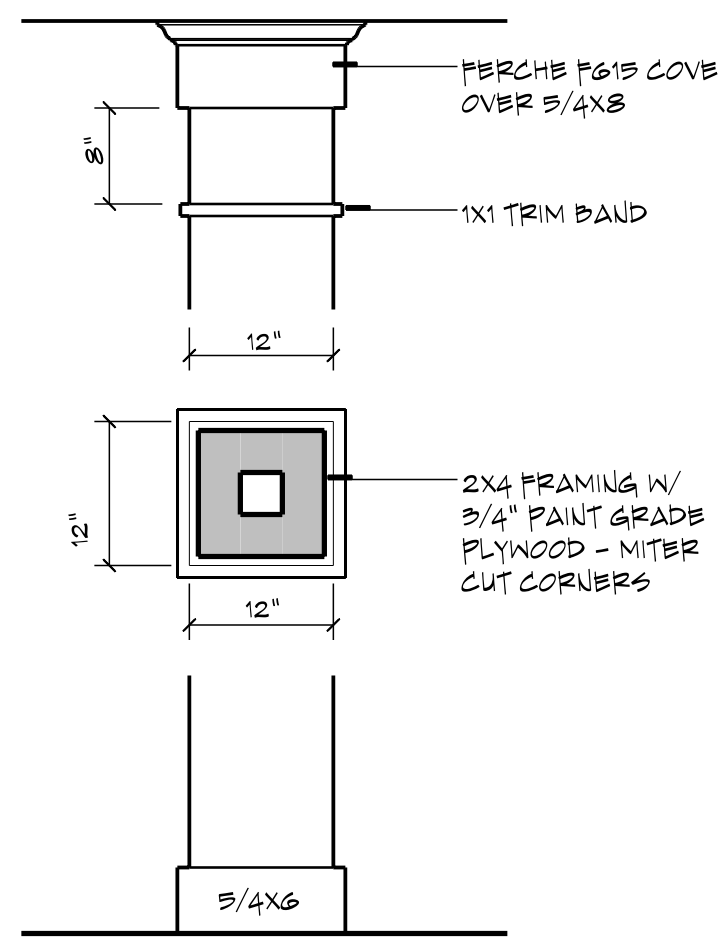
Span Table for Joist and Rafters.

- Floors shall be constructed in accordance with the provisions of Chapter 5 of the NC State Building Code, Sect. R502.2 and Sects R319 and R320.
- Spans for floor joist shall be in accordance with Tables R502.3.1(1) and R502.3.1(2). For other grades and species and for other loading conditions, refer to the AF#PA
- The allowable span of girders fabricated of dimension lumber shall not exceed the values set forth in Tables R502.5(1) and R502.5(2).
- Local soil conditions and/or local practice may necessitate a more stringent footing and foundation wall design. Consult with local building inspector. Soil design bearing pressure is assumed 2000 psf.
- Carry all footings to firm undisturbed bearing:
 - 24" x 10" footing for 8" foundation wall.
 - 24" x 10" footing for 12" foundation wall.
- Pier Footings (Typical Unless Otherwise Notes)
 - Provide 1'-8" x 2'-4" x 1'-0" deep concrete footing under 8" x 16" masonry piers.
 - Provide 2'-0" square x 1'-0" deep concrete footing with under 16" square masonry piers.
 - Grout piers solid with 2500psi concrete (typ).



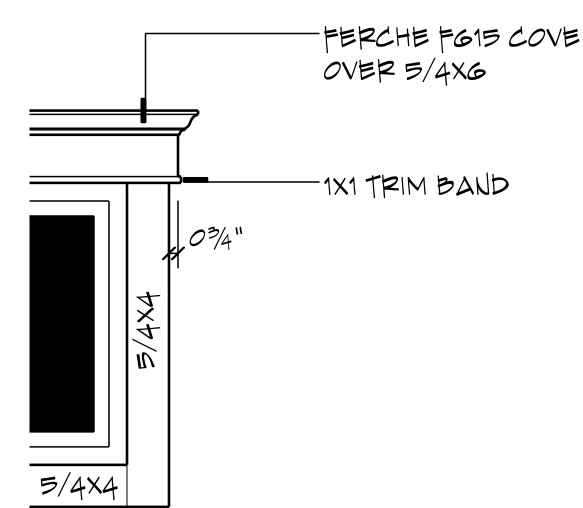
Foundation Section

Foundation Plan



3 COLUMN
A1.1

SCALE: 3/4" = 1' 0"

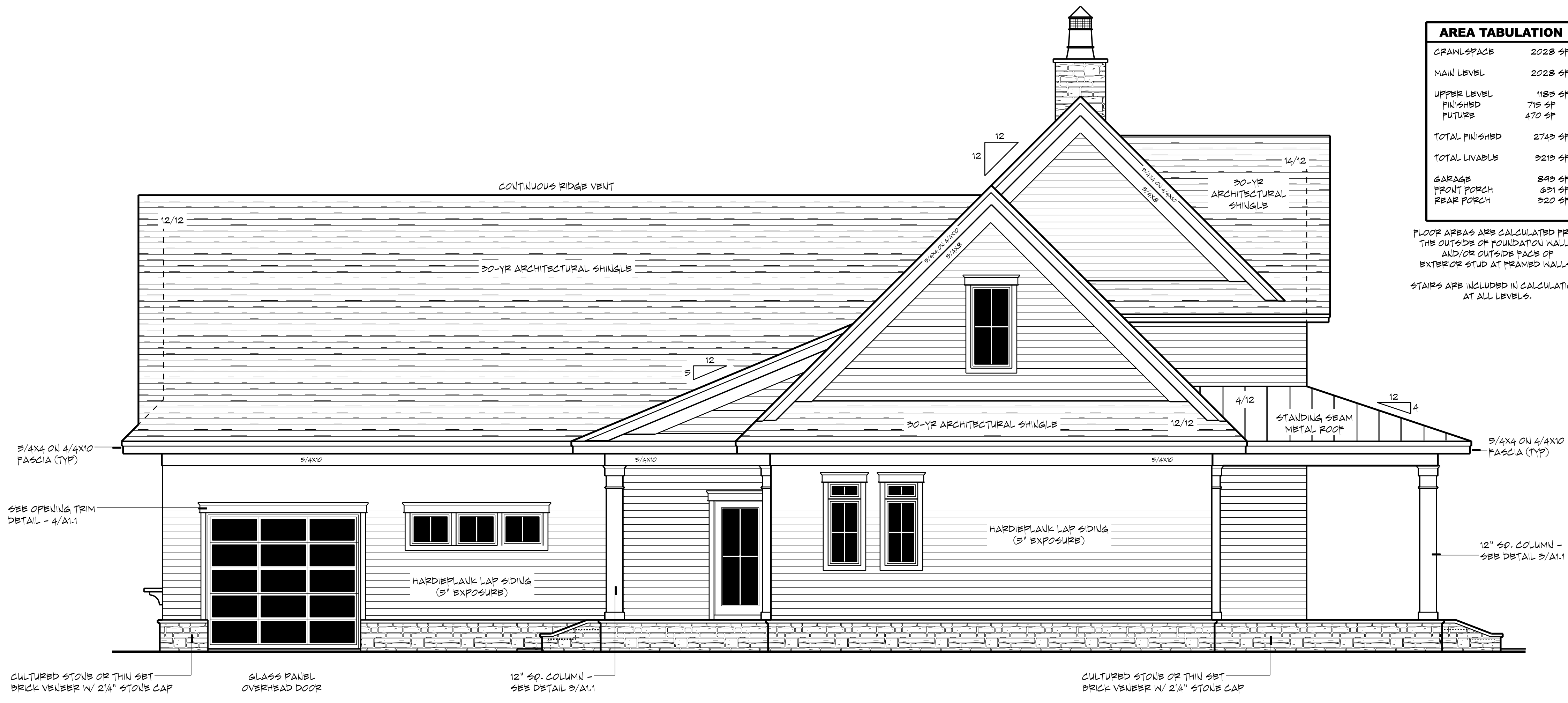


4 OPENING TRIM
A1.1

SCALE: 3/4" = 1' 0"

AREA TABULATION	
CRAWLSPACE	2028 SF
MAIN LEVEL	2028 SF
UPPER LEVEL FINISHED	1189 SF
FUTURE	719 SF
TOTAL FINISHED	2745 SF
TOTAL LIVABLE	3219 SF
GARAGE	899 SF
FRONT PORCH	691 SF
REAR PORCH	320 SF

FLOOR AREAS ARE CALCULATED FROM THE OUTSIDE OF FOUNDATION WALLS AND/OR OUTSIDE FACE OF EXTERIOR STUD AT FRAMED WALLS.
STAIRS ARE INCLUDED IN CALCULATIONS AT ALL LEVELS.



2 LEFT ELEVATION
A1.2

SCALE: 1/4" = 1' 0"



1 FRONT ELEVATION
A1.1

SCALE: 1/4" = 1' 0"

GENERAL NOTES

- ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALING OF DRAWINGS
- KICKOUT FLASHING TO BE INSTALLED AS NEEDED
- EXTERIOR WALL FINISHER TO VERIFY KICKOUT FLASHING IS INSTALLED PRIOR TO FINISHING
- CARPENTER TO FLASH ALL EXTERIOR WINDOWS
- 4 DOORS PER MIN. AND IRC CODE REQUIREMENTS
- WHILE EVERY EFFORT HAS BEEN MADE TO INSURE THESE PLANS ARE ACCURATE AND COMPLETE, THE OWNER/BUILDER MUST VERIFY ALL DIMENSIONS, CONSTRUCTION METHODS, SITE CONDITIONS AND SPECIFICATIONS AND BE RESPONSIBLE FOR SAME.
- ANY NOTATIONS OF SIZES OF STRUCTURAL MEMBERS SUCH AS FOOTINGS, FOUNDATION SIZING, POSTS, BEAMS, JOISTS, RAFTERS, TRUSSES ETC. THAT APPEAR ON THESE PLANS ARE FOR DESIGN REVIEW AND BIDDING PURPOSES ONLY. IT IS RECOMMENDED A PROFESSIONAL ENGINEER BE ENGAGED TO CALCULATE AND DESIGN ALL STRUCTURAL COMPONENTS INVOLVED IN THIS STRUCTURE.

WINDOWS

- INTEGRITY ALL ULTREX SERIES
- TYPE AND SIZE PER PLAN
- WINDOWS DESIGNATED WITH 'T' TO HAVE TEMPERED GLASS
- WINDOWS DESIGNATED WITH 'E' MEET EGRESS CODES
- BUILDER TO VERIFY ALL ROUGH OPENING DIMENSIONS AND HEADER HEIGHTS.

EXTERIOR FINISHES

- SIDING (AS NOTED)
- HARDIEPLANK LAP SIDING
- 5" EXPOSURE
- THIN SET BRICK VENEER OR CULTURED STONE W/ 2 1/4" ROCK FACE STONE CAP
- HARDIE TRIM BOARDS
- THICKNESS AND WIDTH AS NOTED

+++ STRUCTURAL NOTICE +++
ALL STRUCTURAL BEAM AND HEADER SIZES, BEARING CONDITIONS AND ANCHORING REQUIREMENTS MUST BE REVIEWED BY A STRUCTURAL ENGINEER BASED ON EXISTING SITE CONDITIONS. OWNER/BUILDER TO ASSUME ALL RESPONSIBILITY FOR ENTIRE STRUCTURE.

ROYAL OAKS DESIGN
3459 Lake Elmo Ave
Lake Elmo, MN
651-964-2726
www.royaloaksdesign.com
CERTIFIED PROFESSIONAL BUILDING DESIGNER
NATIONAL COUNCIL OF BUILDING DESIGNERS
Kieran J. Liebl 24-106

CL-19-004
CRAWLSPACE
REVERSE 2x4

1 12/27/19 2x4 EXTERIOR-DML

EXTERIOR ELEVATIONS
COLUMN DETAIL
OPENING TRIM DETAIL

NOTICE TO CONTRACTOR
 All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
 Limited building only review
 Permit holder responsible for full compliance with the code

08/05/2020

[Signature]

HARNETT COUNTY
 NORTH CAROLINA

AREA TABULATION	
CRAWLSPACE	2028 SF
MAIN LEVEL	2028 SF
UPPER LEVEL	1189 SF
FINISHED	719 SF
FUTURE	470 SF
TOTAL FINISHED	2749 SF
TOTAL LIVABLE	3219 SF
GARAGE	899 SF
FRONT PORCH	691 SF
REAR PORCH	320 SF

FLOOR AREAS ARE CALCULATED FROM THE OUTSIDE OF FOUNDATION WALLS AND/OR OUTSIDE FACE OF EXTERIOR STUD AT FRAMED WALLS.

STAIRS ARE INCLUDED IN CALCULATIONS AT ALL LEVELS.

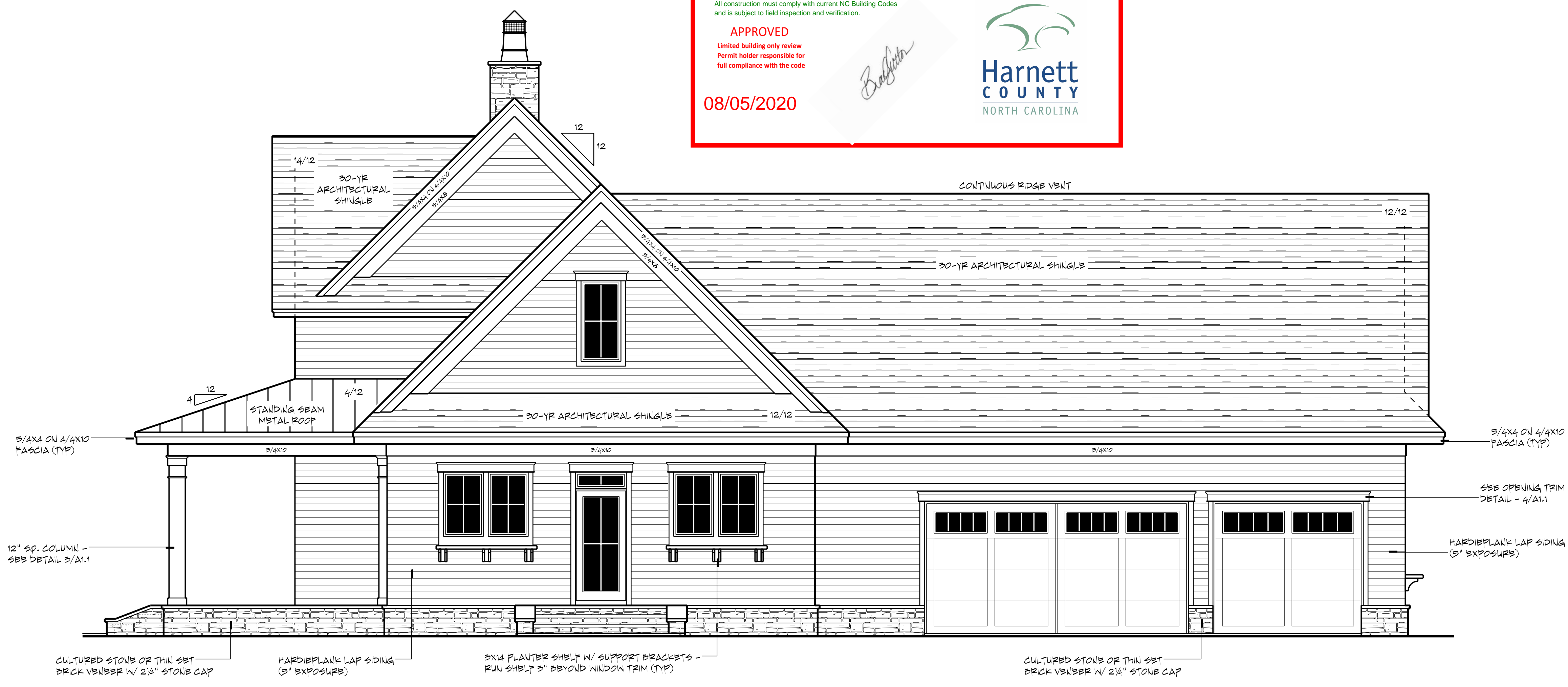
ROYAL OAKS DESIGN

3459 Lake Elmo Ave
 Lake Elmo, MN
 651-964-2726
 www.royaloaksdesign.com

CERTIFIED PROFESSIONAL BUILDING DESIGNER
 NATIONAL COUNCIL OF BUILDING DESIGNERS

Kieran J. Liebl 24-106

ROYAL OAKS DESIGN, INC. ASSUMES NO RESPONSIBILITY FOR ANY STRUCTURAL OR DIMENSIONAL ERRORS OR OMISSIONS. THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR THE VERIFICATION AND CHECKING OF ALL NOTES, DETAILS, ELEVATIONS, SECTIONS AND FLOOR PLANS AND NOTIFY ROYAL OAKS DESIGN, INC. OF ANY ERRORS PRIOR TO START OF CONSTRUCTION. ROYAL OAKS DESIGN, INC. ASSUMES NO RESPONSIBILITY FOR THE WORKMANSHIP OF THE SUB-CONTRACTORS.



2 RIGHT ELEVATION
 SCALE: 1/4" = 1' 0"

GENERAL NOTES

- ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALING OF DRAWINGS
- KICKOUT FLASHING TO BE INSTALLED AS NEEDED
- EXTERIOR WALL FINISHER TO VERIFY KICKOUT FLASHING IS INSTALLED PRIOR TO FINISHING
- CARPENTER TO FLASH ALL EXTERIOR WINDOWS & DOORS PER MIN. AND IRC CODE REQUIREMENTS
- WHILE EVERY EFFORT HAS BEEN MADE TO INSURE THESE PLANS ARE ACCURATE AND COMPLETE, THE OWNER/BUILDER MUST VERIFY ALL DIMENSIONAL CONSTRUCTION METHODS, SITE CONDITIONS AND SPECIFICATIONS AND BE RESPONSIBLE FOR SAME.
- ANY NOTATIONS OF SIZES OF STRUCTURAL MEMBERS SUCH AS FOOTINGS, FOUNDATION SIZING, POSTS, BEAMS, JOISTS, RAMPERS, TRUSSES ETC. THAT APPEAR ON THESE PLANS ARE FOR DESIGN REVIEW AND BIDDING PURPOSES ONLY. IT IS RECOMMENDED A PROFESSIONAL ENGINEER BE ENGAGED TO CALCULATE AND DESIGN ALL STRUCTURAL COMPONENTS INVOLVED IN THIS STRUCTURE.

WINDOWS

- INTEGRITY ALL ULTREX SERIES
- TYPE AND SIZE PER PLAN
- WINDOWS DESIGNATED WITH 'T' TO HAVE TEMPERED GLASS
- WINDOWS DESIGNATED WITH 'B' MEET EGRESS CODES
- BUILDER TO VERIFY ALL ROUGH OPENING DIMENSIONS AND HEADER HEIGHTS.

EXTERIOR FINISHES

- SIDING (AS NOTED)
- HARDIPLANK LAP SIDING
- 5" EXPOSURE
- THIN SET BRICK VENEER OR CULTURED STONE W/ 2 1/4" ROCK FACE STONE CAP
- HARDI TRIM BOARDS
- THICKNESS AND WIDTH AS NOTED

TRUSS SUPPLIER TO VERIFY ALL SPANS, PITCHES, HEBL HEIGHTS AND OTHER CONDITIONS CRITICAL TO PROPER TRUSS FABRICATION.

ANY STRUCTURAL COMPONENTS THAT MAY NOTED ON THESE PLANS ARE INTENDED FOR DESIGN/BID PURPOSES ONLY. IT IS RECOMMENDED THAT ALL STRUCTURAL DESIGN ELEMENTS BE REVIEWED BY A LOCAL LICENSED PROFESSIONAL STRUCTURAL ENGINEER.

FINAL ROOF AND FLOOR TRUSS DESIGN AND LAYOUT TO BE PROVIDED BY YOUR LOCAL TRUSS SUPPLIER.

+++ STRUCTURAL NOTICE +++

ALL STRUCTURAL BEAM AND HEADER SIZES, BEARING CONDITIONS AND ANCHORING REQUIREMENTS MUST BE REVIEWED BY A STRUCTURAL ENGINEER BASED ON EXISTING SITE CONDITIONS. OWNER/BUILDER TO ASSUME ALL RESPONSIBILITY FOR ENTIRE STRUCTURE.

++ FOUNDATION ENGINEERING ++

ALL BUILDING FOUNDATION, FOOTING SIZES AND REINFORCING, INCLUDING POST FOOTINGS, TO BE DESIGNED ON SITE BY LOCAL ENGINEER OR FOUNDATION CONTRACTOR BASED ON EXISTING SITE CONDITIONS.

++ FOOTING FROST DEPTH: ++

OWNER/CONTRACTOR TO ADJUST DEPTH OF ALL HOUSE, GARAGE, SLAB AND DECK POST FOOTINGS TO MEET LOCAL CODES.

1 12/27/19 2X4 EXTERIOR-DML

EXTERIOR ELEVATIONS

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

2 ENTRY ELEVATION
SCALE: 1/4" = 1' 0"

GENERAL NOTES

- ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALING OF DRAWINGS
- DIMENSIONS ARE FROM EXTERIOR FACE OF EXTERIOR STUD WALLS AND CENTERLINE OF INTERIOR PARTITIONS
- WHILE EVERY EFFORT HAS BEEN MADE TO INSURE THESE PLANS ARE ACCURATE AND COMPLETE, THE OWNER/BUILDER MUST VERIFY ALL DIMENSIONS, CONSTRUCTION METHODS, SITE CONDITIONS AND SPECIFICATIONS AND BE RESPONSIBLE FOR SAME.
- ANY NOTATIONS OF SIZES OF STRUCTURAL MEMBERS SUCH AS ROOF TRUSSES, FOUNDATION WALLS, POSTS, BEAMS, JOISTS, RATTERS, TRUSSES ETC. THAT APPEAR ON THESE PLANS ARE FOR DESIGN REVIEW AND BIDDING PURPOSES ONLY. IT IS RECOMMENDED A PROFESSIONAL ENGINEER BE ENGAGED TO CALCULATE AND DESIGN ALL STRUCTURAL COMPONENTS INVOLVED IN THIS STRUCTURE.

WINDOWS

- MAINTAIN INTEGRITY ALL ULTRIX SERIES
- STYLE AND SIZE AS NOTED
- WINDOWS DESIGNATED WITH 'T' TO HAVE TEMPERED GLASS
- WINDOWS DESIGNATED WITH 'B' MUST BEAR AS CODES
- WINDOW HEADER HEIGHTS SET TO 8' 11-3/8" (U.L.O.)
- BUILDER TO VERIFY WINDOW AND DOOR ROUGH OPENINGS AND HEADER HEIGHTS

FLOOR SYSTEM

- ENGINEERED WOOD FLOOR TRUSSES
- DESIGNED TO MIN. L/480 DEFLECTION OR LESS
- TRUSS MANUFACTURER TO PROVIDE CHASERS FOR ALL SUPPLY AND RETURN DUCTWORK
- TRUSS MANUFACTURER TO VERIFY FRAMING AT CANTILEVERS FOR POINT LOADS FROM ABOVE
- TRUSS MANUFACTURER TO VERIFY LOCATIONS OF ANY CONCENTRATED LOADS, SUCH AS GRANITE COUNTERTOPS, AND PROVIDE PROPER FRAMING AS NEEDED

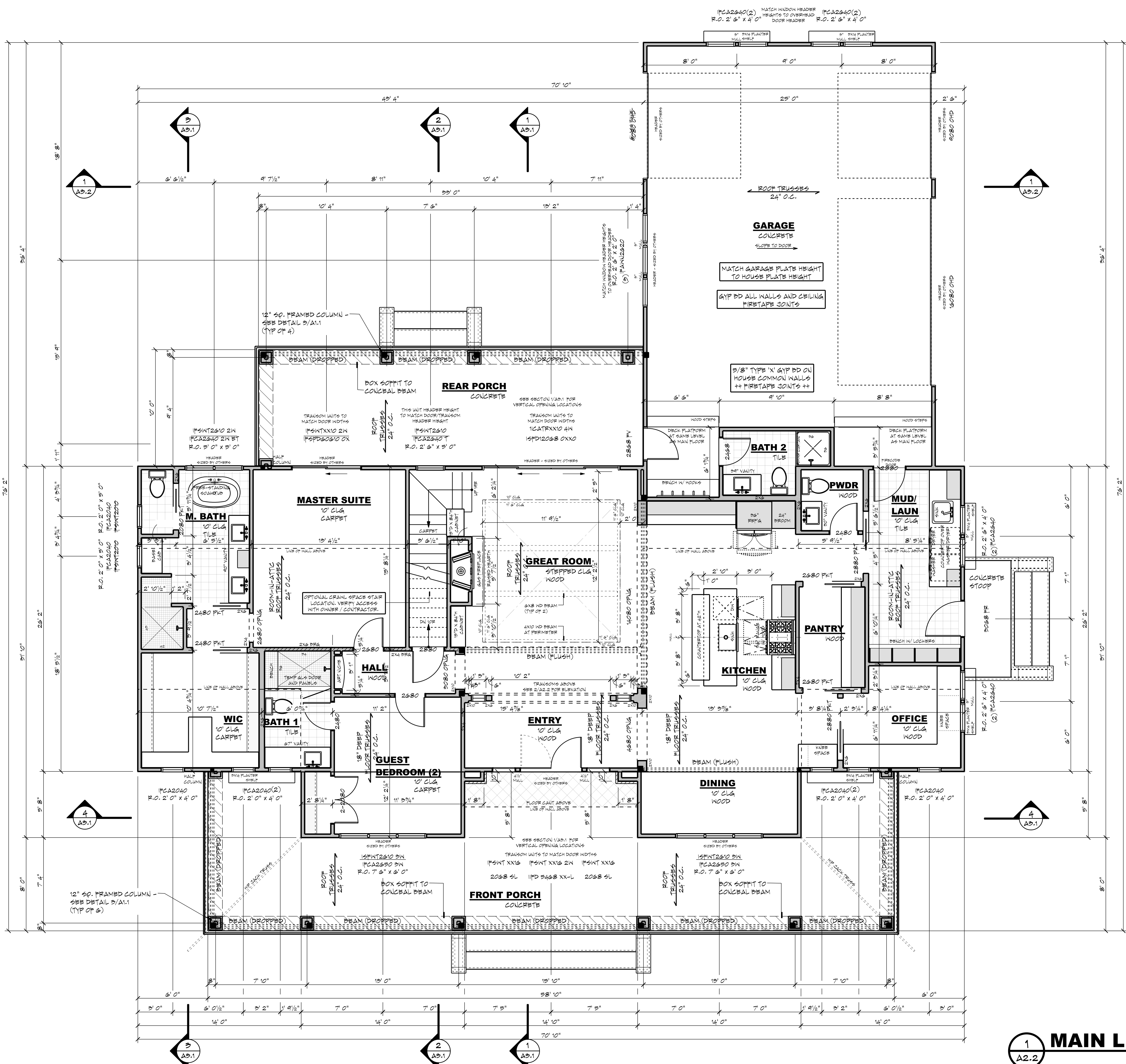
FRAMING

- 2X4 EXTERIOR WALL CONSTRUCTION
- 10' 1/8" PLATE HEIGHT (U.L.O.)
- 2X6 WALLS AT ALL POCKET DOORS AND PLUMBING WALLS
- DOUBLE STUDS AT WINDOWS AND DOOR HEADERS
- PROVIDE SOLID BLOCKING AT ALL POINT LOADS
- INDICATES BEARING POINT LOAD
- PROVIDE CONTINUOUS SOLID BLOCKING TO FOUNDATION BELOW - VERIFY LOADS W/ LOCAL STRUCTURAL ENGINEER

DOOR SCHEDULE SYMBOL
2488 REPRESENTS A 2'-4" WIDE X 6'-8" HIGH DOOR

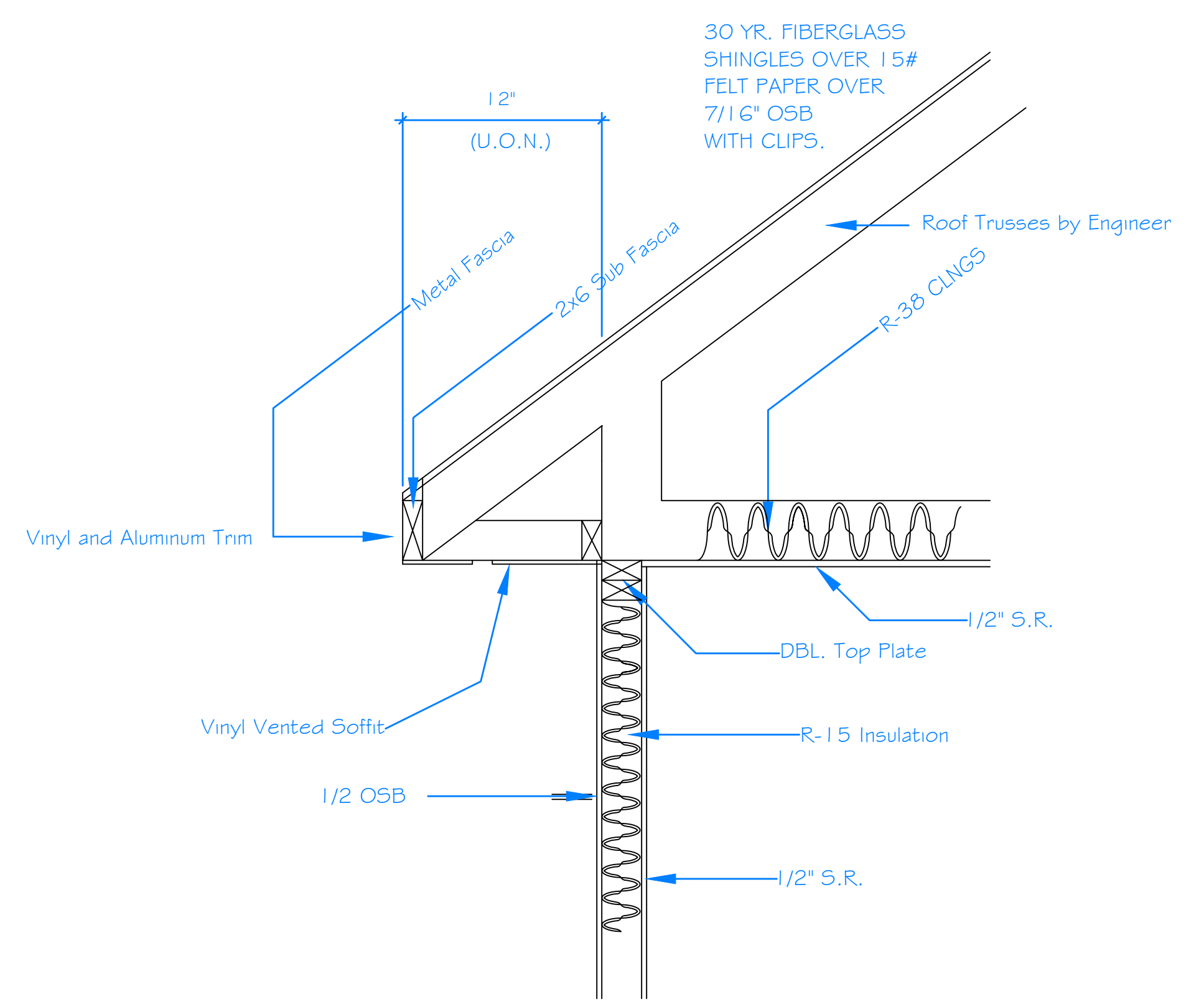
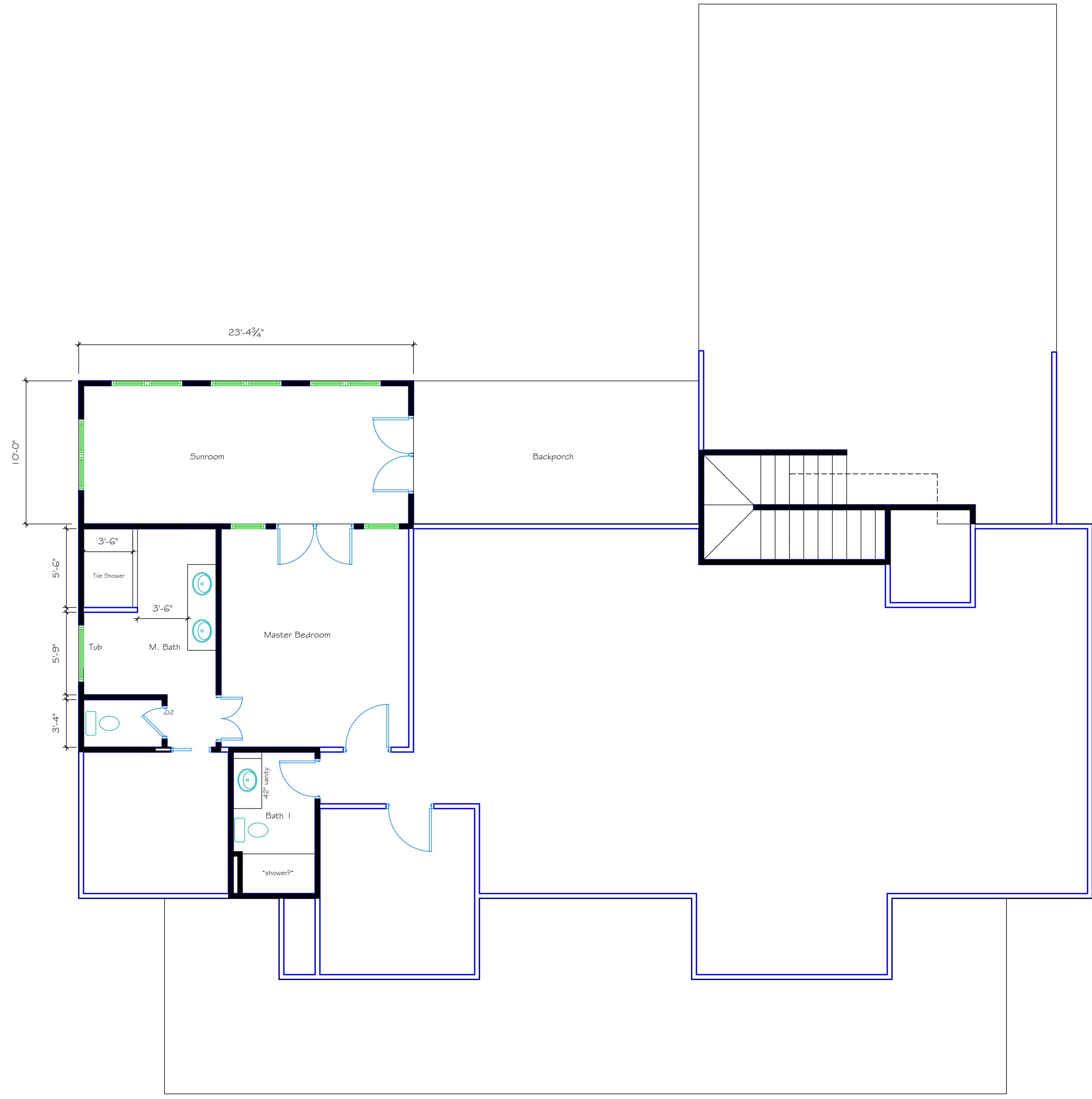
+++ STRUCTURAL NOTICE +++
ALL STRUCTURAL BEAM AND HEADER SIZES, BEARING CONDITIONS AND ANCHORAGE REQUIREMENTS MUST BE REVIEWED BY A STRUCTURAL ENGINEER BASED ON EXISTING SITE CONDITIONS. OWNER/BUILDER TO ASSUME ALL RESPONSIBILITY FOR ENTIRE STRUCTURE.

++ FOUNDATION ENGINEERING ++
ALL BUILDING FOUNDATION, FOOTING SIZES AND REINFORCEMENT, INCLUDING POST FOOTINGS, TO BE DESIGNED ON SITE BY LOCAL ENGINEER OR FOUNDATION CONTRACTOR BASED ON EXISTING SITE CONDITIONS.



1 MAIN LEVEL FLOOR PLAN
SCALE: 1/4" = 1' 0"

CL-19-004
CRAWLSPACE
REVERSE 2x4



Roof Section

- Truss design drawings, prepared in conformance with section R802.10.1, shall be provided to the building official and approved prior to installation.
- Wood trusses shall be designed in accordance with accepted engineering practice. The truss design drawings shall be prepared by a registered professional where required by the statutes of the jurisdiction in which the project is to be constructed in accordance with Section R106.1.
- Trusses shall be braced to prevent rotation and provide lateral stability in accordance with the requirements specified in the construction documents for the building and on the individual truss design drawing.
- Truss members shall not be cut, notched, drilled, spliced or otherwise altered in any way without the approval of a registered design professional.

Main Level Changes

AREA TABULATION	
CRAWLSPACE	2028 SF
MAIN LEVEL	2028 SF
UPPER LEVEL	1189 SF
FINISHED	719 SF
FUTURE	470 SF
TOTAL FINISHED	2749 SF
TOTAL LIVABLE	3219 SF
GARAGE	899 SF
FRONT PORCH	691 SF
REAR PORCH	320 SF

FLOOR AREAS ARE CALCULATED FROM THE OUTSIDE OF FOUNDATION WALLS AND/OR OUTSIDE FACE OF EXTERIOR STUD AT FRAMED WALLS.

STAIRS ARE INCLUDED IN CALCULATIONS AT ALL LEVELS.

GENERAL NOTES

- ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALING OF DRAWINGS
- DIMENSIONS ARE FROM EXTERIOR FACE OF EXTERIOR STUD WALLS AND CENTERLINE OF INTERIOR PARTITIONS
- WHILE EVERY EFFORT HAS BEEN MADE TO ASSURE THESE PLANS ARE ACCURATE AND COMPLETE, THE OWNER/BUILDER MUST VERIFY ALL DIMENSIONS, CONSTRUCTION METHODS, SITE CONDITIONS AND SPECIFICATIONS AND BE RESPONSIBLE FOR SAME.
- ANY NOTATIONS OF SIZES OF STRUCTURAL MEMBERS SUCH AS FOOTINGS, FOUNDATION SIZES, POSTS, BEAMS, JOISTS, PARTIES, TRUSSES ETC. THAT APPEAR ON THESE PLANS ARE FOR DESIGN REVIEW AND BIDDING PURPOSES ONLY. IT IS RECOMMENDED A PROFESSIONAL ENGINEER BE ENGAGED TO CALCULATE AND DESIGN ALL STRUCTURAL COMPONENTS INVOLVED IN THIS STRUCTURE.

WINDOWS

- MARNI UTILITY ALL UTREX SERIES
- STYLES AND SIZES AS NOTED
- WINDOWS DESIGNATED WITH 'T' TO HAVE TEMPERED GLASS
- WINDOWS DESIGNATED WITH 'B' MEET BARRETT CODES
- WINDOW HEADER HEIGHTS SET TO 7' 11-5/8" (U.L.O.)
- BUILDER TO VERIFY WINDOW AND DOOR ROUGH OPENINGS AND HEADER HEIGHTS

FLOOR SYSTEM

- ENGINEERED WOOD FLOOR TRUSSES
- DESIGNED TO MIN. L/480 DEFLECTION OR LESS
- TRUSS MANUFACTURER TO PROVIDE CHASSES FOR ALL SUPPLY AND RETURN DUCTWORK
- TRUSS MANUFACTURER TO VERIFY FRAMING AT CANTILEVERS FOR POINT LOADS FROM ABOVE
- TRUSS MANUFACTURER TO VERIFY LOCATIONS OF ANY CONCENTRATED LOADS, SUCH AS GRANITE COUNTERTOPS, AND PROVIDE PROPER FRAMING AS NEEDED

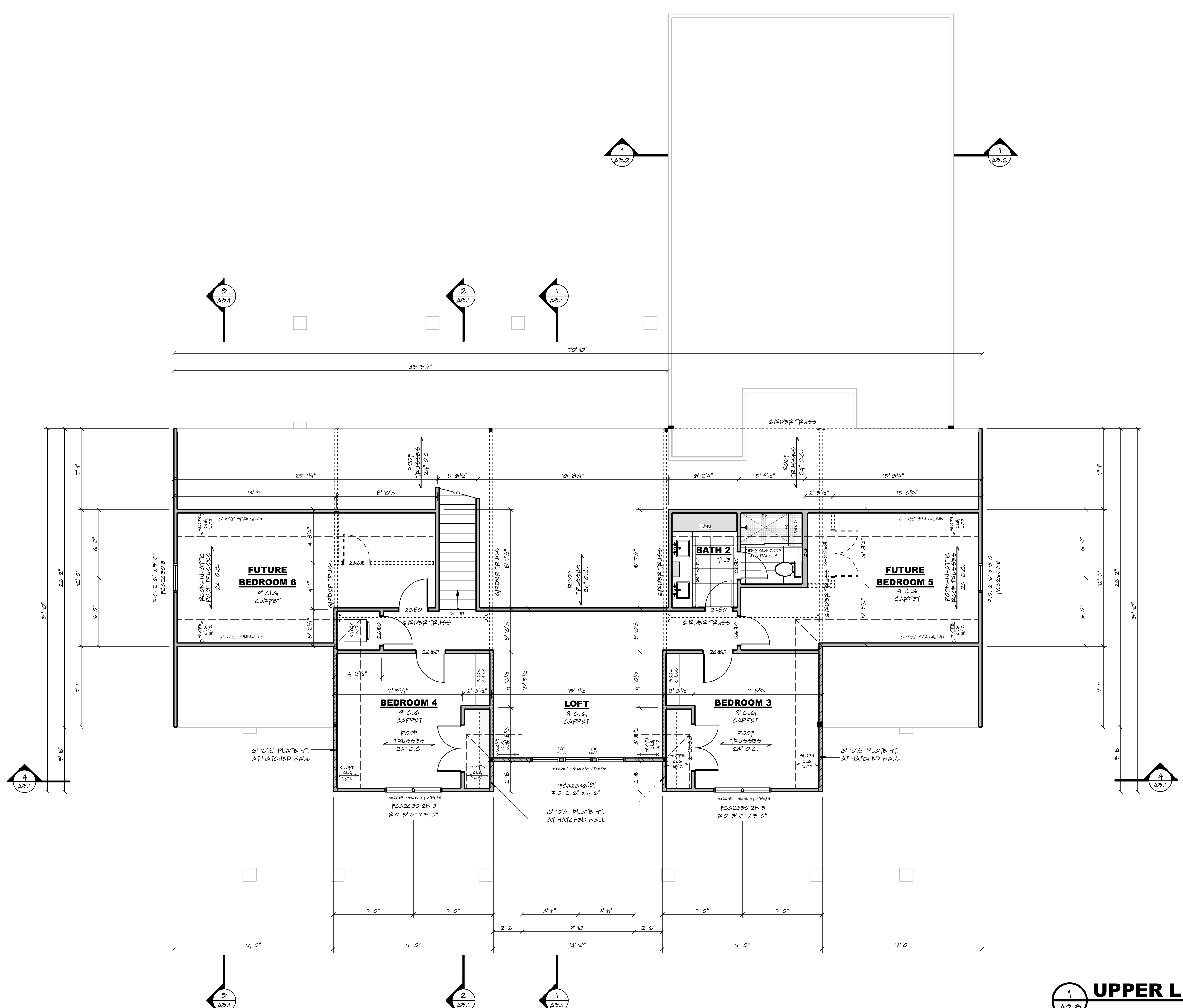
FRAMING

- 2X4 EXTERIOR STUDS
- 9' 1-1/8" PLATE HEIGHT (U.L.O.)
- 2X6 WALLS AT ALL POCKET DOORS AND PLUMBING WALLS
- DOUBLE STUDS AT WINDOWS AND DOOR HEADERS
- PROVIDE SOLID BLOCKING AT ALL POINT LOADS
- ■ INDICATES BEARING POINT LOAD
- PROVIDE CONTINUOUS SOLID BLOCKING TO FOUNDATION BELOW - VERIFY LOADS W/ LOCAL STRUCTURAL ENGINEER

DOOR SCHEDULE SYMBOL
2408 REPRESENTS A 2'-4" WIDE X 6'-8" HIGH DOOR

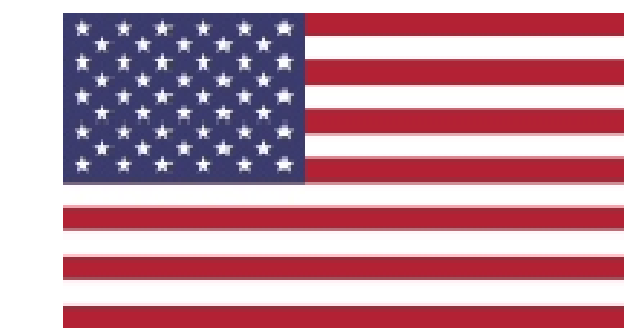
TRUSS SUPPLIER TO VERIFY ALL SPANS, PITCHES, HEBL HEIGHTS AND OTHER CONDITIONS CRITICAL TO PROPER TRUSS FABRICATION.
ANY STRUCTURAL COMPONENTS THAT MAY NOTED ON THESE PLANS ARE INTENDED FOR DESIGN/BID PURPOSES ONLY. IT IS RECOMMENDED THAT ALL STRUCTURAL DESIGN ELEMENTS BE REVIEWED BY A LOCAL LICENSED PROFESSIONAL STRUCTURAL ENGINEER.
FINAL ROOF AND FLOOR TRUSS DESIGN AND LAYOUT TO BE PROVIDED BY YOUR LOCAL TRUSS SUPPLIER.

+++ STRUCTURAL NOTICE +++
ALL STRUCTURAL BEAM AND HEADER SIZES, BEARING CONDITIONS AND ANCHORING REQUIREMENTS MUST BE REVIEWED BY A STRUCTURAL ENGINEER BASED ON EXISTING SITE CONDITIONS. OWNER/BUILDER TO ASSUME ALL RESPONSIBILITY FOR ENTIRE STRUCTURE.



1 UPPER LEVEL FLOOR PLAN

SCALE: 1/4" = 1' 0"

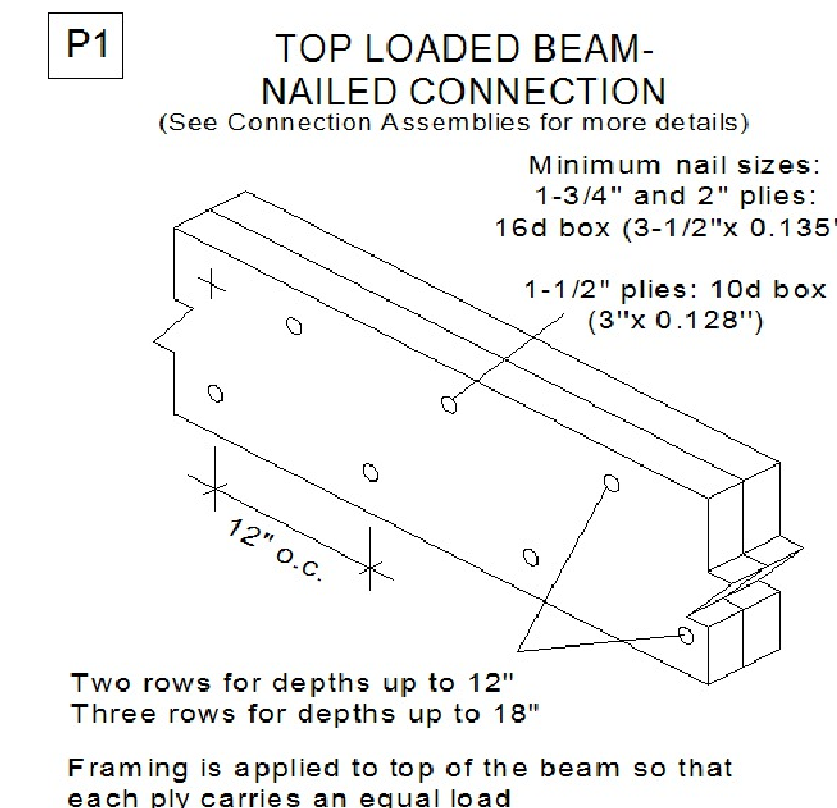


U. S. LUMBER

Important Notes WARNING: Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, unsafe structures and possible collapse.

These instructions are offered as a guide to good practice in the handling, storage and installation of LP® SolidStart® I-Joists, LP SolidStart LVL & LP SolidStart LSL beams. They are, however, solely general recommendations and, in some instances, other or additional precautions may be desirable. In all cases, the procedures used should be as specified by the architect/engineer responsible for the entire building.

- This is not intended as a manual for selecting products and assumes that components and details have been specified correctly.
- Consult the LP SolidStart I-Joist, LP SolidStart LVL & LP SolidStart LSL brochures or contact your LP SolidStart products distributor for assistance.
- All rim joists, blocking, connections and temporary bracing must be installed before erectors are allowed on the structure.
- No loads other than the weight of the erectors are to be imposed on the structure before it is permanently sheathed.
- After sheathing, do not overload joists with construction materials exceeding design loads.
- LP SolidStart I-Joists, LP SolidStart LVL & LP SolidStart LSL beams must be used under dry, covered and well ventilated interior conditions in which the equivalent moisture content in lumber will not exceed 16%.



Customer Name:
BRAD CUMMINGS

Job Name:
THE LASERIA RESIDENCE

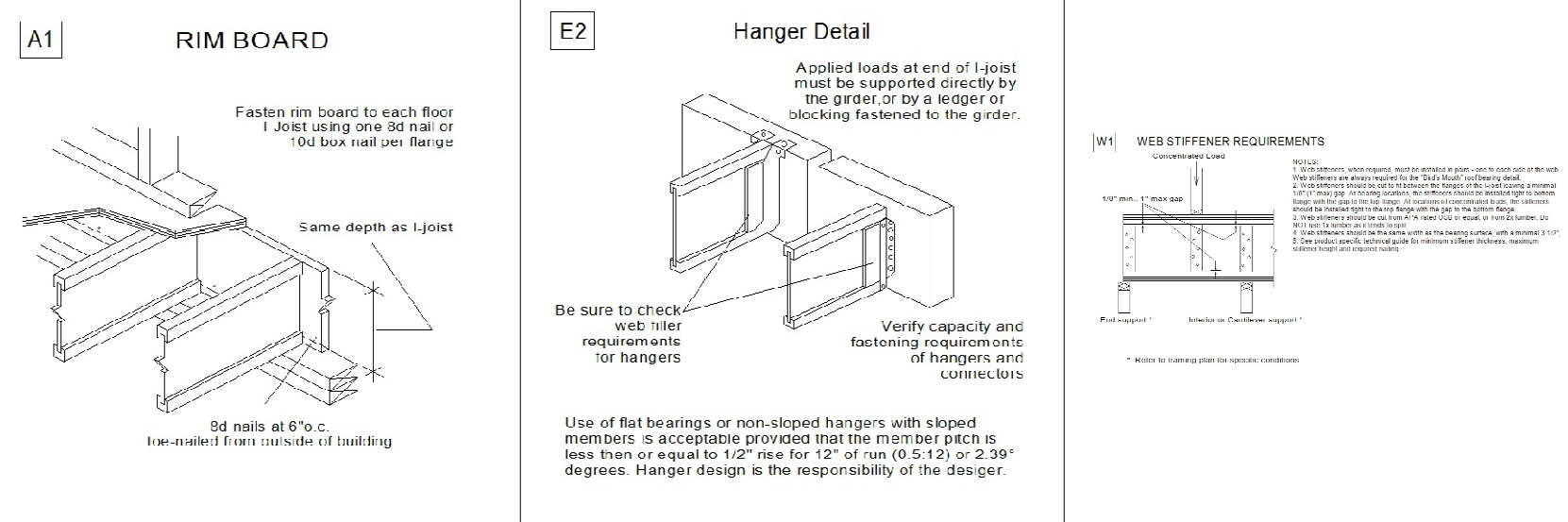
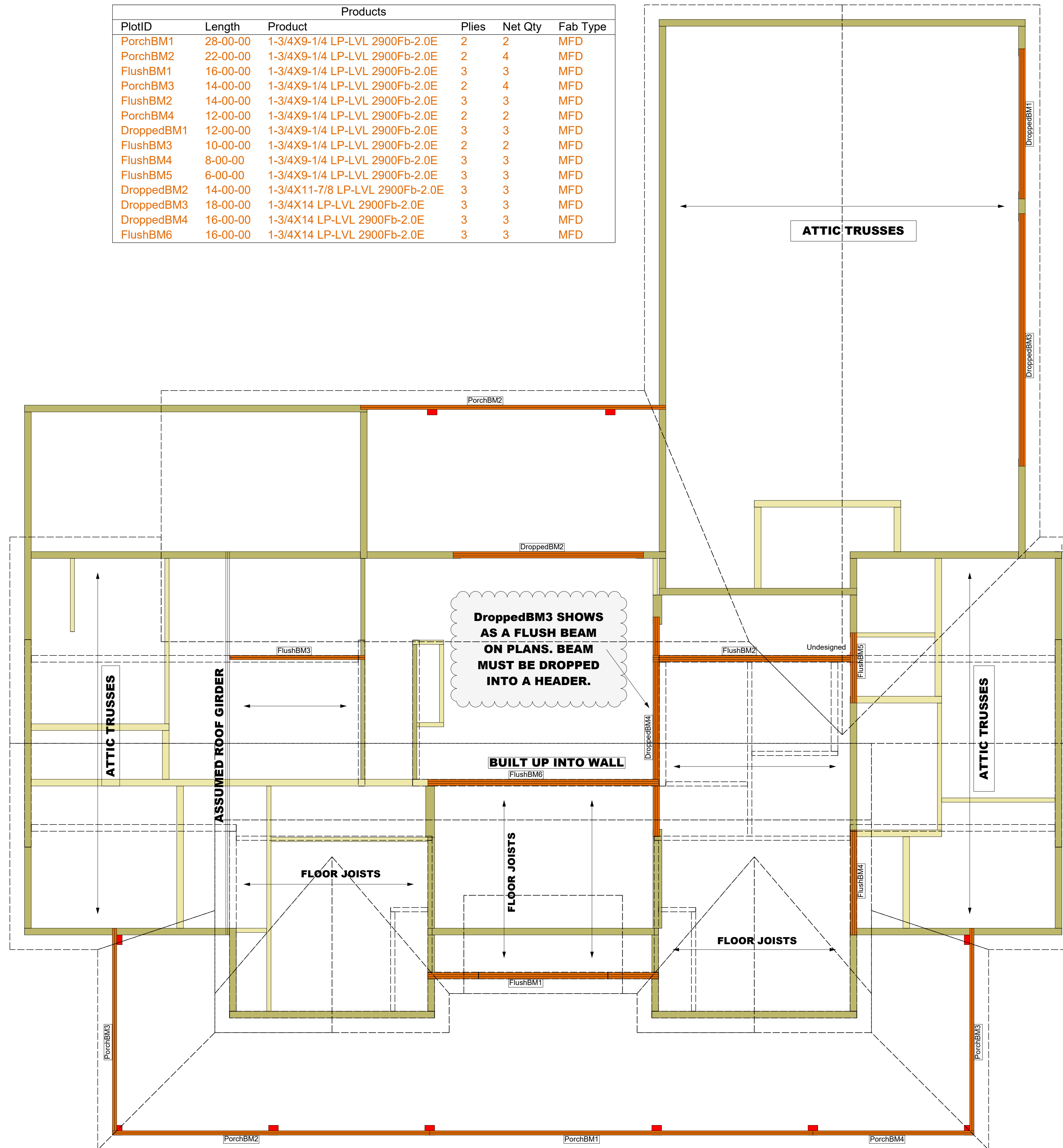
Designer:
Tony Huneycutt

Salesman:
EDDIE BAUER

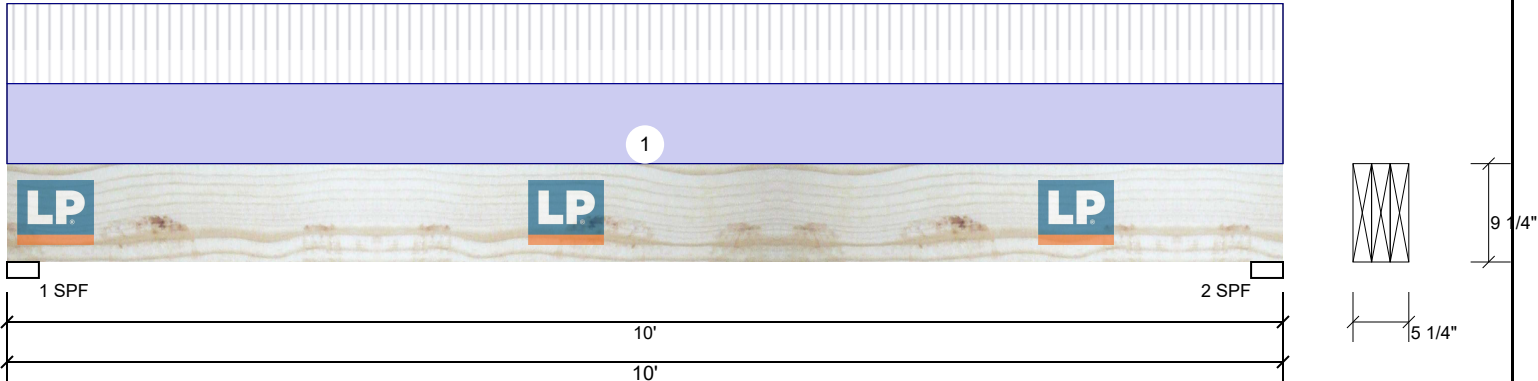
Scale: 1/4" = 1' | Date: 07/22/20 | 2nd Floor



PlotID	Length	Product	Plies	Net Qty	Fab Type
PorchBM1	28-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	2	MFD
PorchBM2	22-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	4	MFD
FlushBM1	16-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	3	3	MFD
PorchBM3	14-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	4	MFD
FlushBM2	14-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	3	3	MFD
PorchBM4	12-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	2	MFD
DroppedBM1	12-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	3	3	MFD
FlushBM3	10-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	2	MFD
FlushBM4	8-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	3	3	MFD
FlushBM5	6-00-00	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	3	3	MFD
DroppedBM2	14-00-00	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	3	3	MFD
DroppedBM3	18-00-00	1-3/4X14 LP-LVL 2900Fb-2.0E	3	3	MFD
DroppedBM4	16-00-00	1-3/4X14 LP-LVL 2900Fb-2.0E	3	3	MFD
FlushBM6	16-00-00	1-3/4X14 LP-LVL 2900Fb-2.0E	3	3	MFD



9' Garage Dr. Header LP-LVL 2900Fb-2.0E 1.750" X 9.250" 3-Ply - PASSED Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	3	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	Yes
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	1600	1669	0	0	0
2	1600	1669	0	0	0

Bearings

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.000"	49%	1669 / 1600	3269	L	D+L
2 - SPF	3.000"	49%	1669 / 1600	3269	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	7572 ft-lb	5'	19369 ft-lb	0.391 (39%)	D+L	L
Shear	2643 lb	11 1/2"	9227 lb	0.286 (29%)	D+L	L
LL Defl inch	0.098 (L/1178)	5'	0.241 (L/480)	0.410 (41%)	L	L
TL Defl inch	0.200 (L/577)	5'	0.481 (L/240)	0.420 (42%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.102", Long Term = 0.153"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top braced at bearings.
- 7 Bottom braced at bearings.

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	320 PLF	320 PLF	0 PLF	0 PLF	0 PLF	Truss Reaction
	Self Weight				14 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

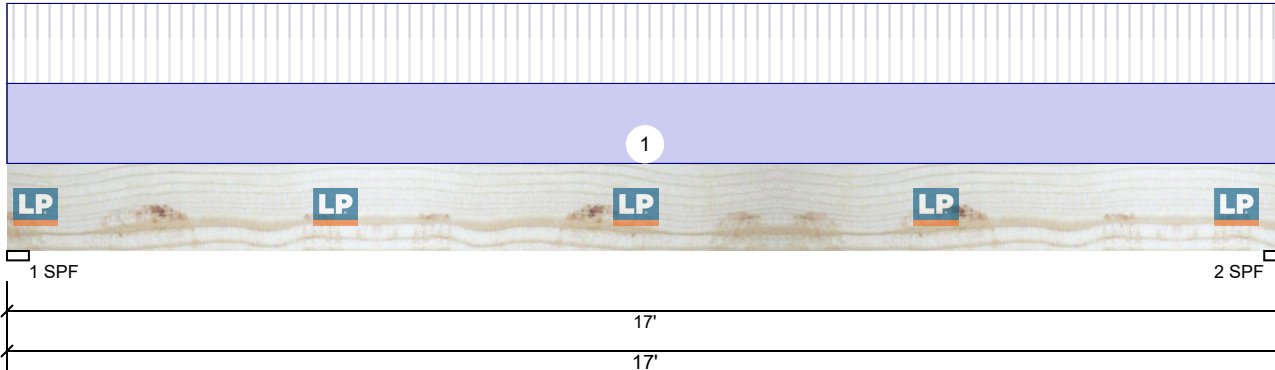
BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

16' Garage Dr. Header LP-LVL 2900Fb-2.0E 1.750" X 14.000" 3-Ply - PASSED

Level: Level



Member Information

Type:	Girder
Plies:	3
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC/IRC 2015
Load Sharing:	Yes
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	2727	2906	0	0	0
2	2713	2892	0	0	0

Bearings

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	72%	2906 / 2727	5633	L	D+L
2 - SPF	3.000"	84%	2892 / 2713	5605	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	22723 ft-lb	8'6 1/4"	42165 ft-lb	0.539 (54%)	D+L	L
Shear	4710 lb	15'7 3/4"	13965 lb	0.337 (34%)	D+L	L
LL Defl inch	0.244 (L/815)	8'6 5/16"	0.415 (L/480)	0.590 (59%)	L	L
TL Defl inch	0.504 (L/395)	8'6 5/16"	0.829 (L/240)	0.610 (61%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.260", Long Term = 0.390"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be continuously braced.
- 7 Bottom braced at bearings.

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	320 PLF	320 PLF	0 PLF	0 PLF	0 PLF	Attic Truss Reactions
	Self Weight				21 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

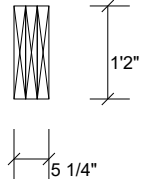
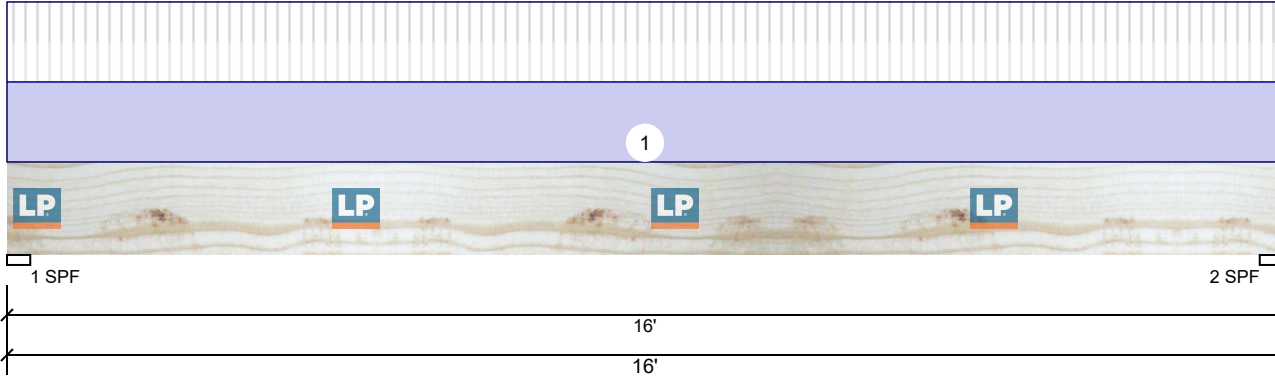
BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

Beam @ Loft LP-LVL 2900Fb-2.0E 1.750" X 14.000" 3-Ply - PASSED

Level: Level



Member Information

Type:	Girder
Plies:	3
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC/IRC 2015
Load Sharing:	Yes
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	2560	2728	0	0	0
2	2560	2728	0	0	0

Bearings

Bearing	Length	Cap.	React D/L	Ib	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	68%	2728 / 2560	5288	L	D+L	
2 - SPF	3.500"	68%	2728 / 2560	5288	L	D+L	

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	19958 ft-lb	8'	42165 ft-lb	0.473 (47%)	D+L	L
Shear	4366 lb	14'7 1/4"	13965 lb	0.313 (31%)	D+L	L
LL Defl inch	0.190 (L/981)	8' 1/16"	0.389 (L/480)	0.490 (49%)	L	L
TL Defl inch	0.393 (L/475)	8' 1/16"	0.777 (L/240)	0.510 (51%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.203", Long Term = 0.304"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 9'10 7/8" o.c.
- 7 Bottom braced at bearings.

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	320 PLF	320 PLF	0 PLF	0 PLF	0 PLF	Roof Load
	Self Weight				21 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

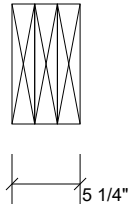
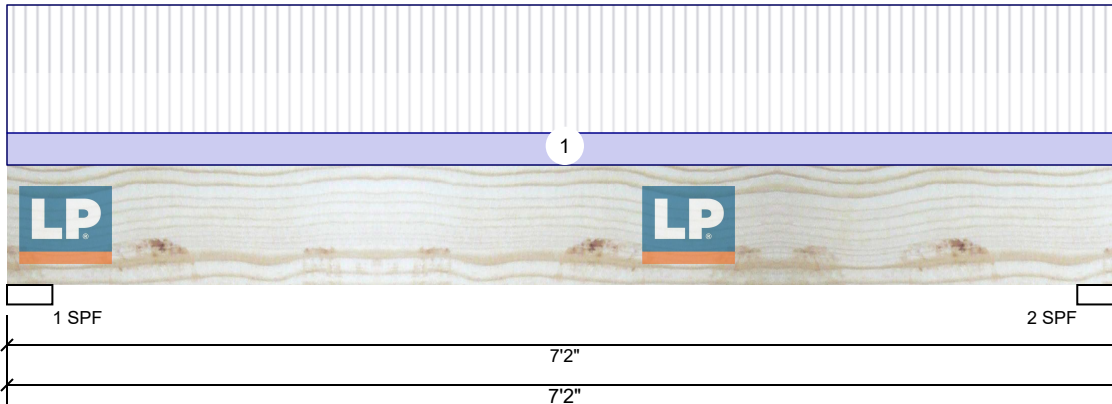
BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

Beam left of Range LP-LVL 2900Fb-2.0E 1.750" X 9.250" 3-Ply - PASSED

Level: Level



Member Information

Type: Girder
Plies: 3
Moisture Condition: Dry
Deflection LL: 480
Deflection TL: 240
Importance: Normal
Temperature: Temp <= 100°F

Application: Floor
Design Method: ASD
Building Code: IBC/IRC 2015
Load Sharing: Yes
Deck: Not Checked

Reactions UNPATTERNED Ib (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	1003	301	0	0	0
2	1003	301	0	0	0

Bearings

Bearing	Length	Cap. React	D/L Ib	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	17%	301 / 1003	1304	L	D+L
2 - SPF	3.500"	17%	301 / 1003	1304	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	2047 ft-lb	3'7"	19369 ft-lb	0.106 (11%)	D+L	L
Shear	940 lb	6'2"	9227 lb	0.102 (10%)	D+L	L
LL Defl inch	0.022 (L/3633)	3'7 1/16"	0.168 (L/480)	0.130 (13%)	L	L
TL Defl inch	0.029 (L/2795)	3'7 1/16"	0.335 (L/240)	0.090 (9%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.007", Long Term = 0.010"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top braced at bearings.
- 7 Bottom braced at bearings.

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	70 PLF	280 PLF	0 PLF	0 PLF	0 PLF	Floor Load
	Self Weight				14 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

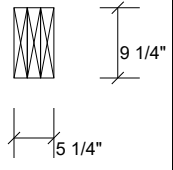
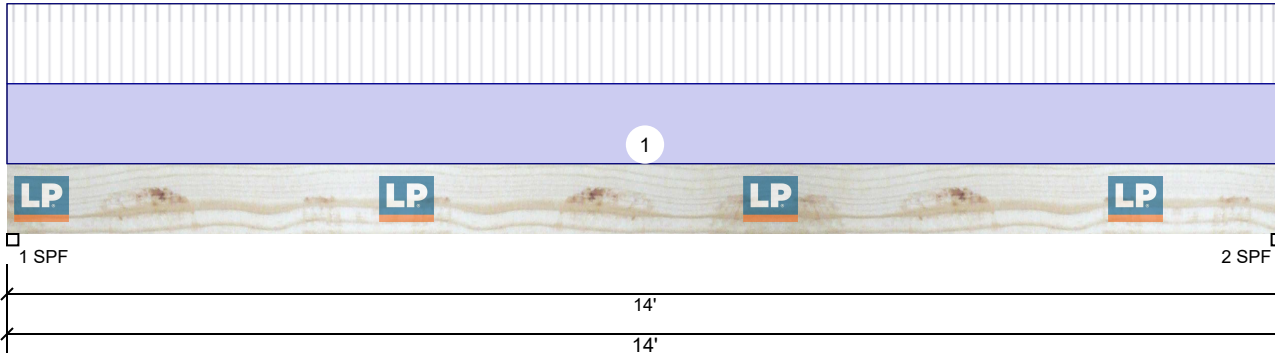
BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until
10/31/2021

Beam over Kitchen LP-LVL 2900Fb-2.0E 1.750" X 9.250" 3-Ply - PASSED

Level: Level



Member Information

Type:	Girder
Plies:	3
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC/IRC 2015
Load Sharing:	Yes
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	1400	1497	0	0	0
2	1400	1497	0	0	0

Bearings

Bearing	Length	Cap.	React D/L	Total	Ld. Case	Ld. Comb.
1 - SPF	1.500"	87%	1497 / 1400	2897	L	D+L
2 - SPF	1.500"	87%	1497 / 1400	2897	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	9960 ft-lb	7'	19369 ft-lb	0.514 (51%)	D+L	L
Shear	2552 lb	10"	9227 lb	0.277 (28%)	D+L	L
LL Defl inch	0.252 (L/660)	7' 1/16"	0.347 (L/480)	0.730 (73%)	L	L
TL Defl inch	0.522 (L/319)	7' 1/16"	0.694 (L/240)	0.750 (75%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.270", Long Term = 0.405"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top braced at bearings.
- 7 Bottom braced at bearings.

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	200 PLF	200 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				14 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

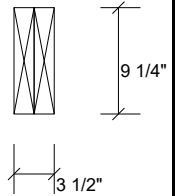
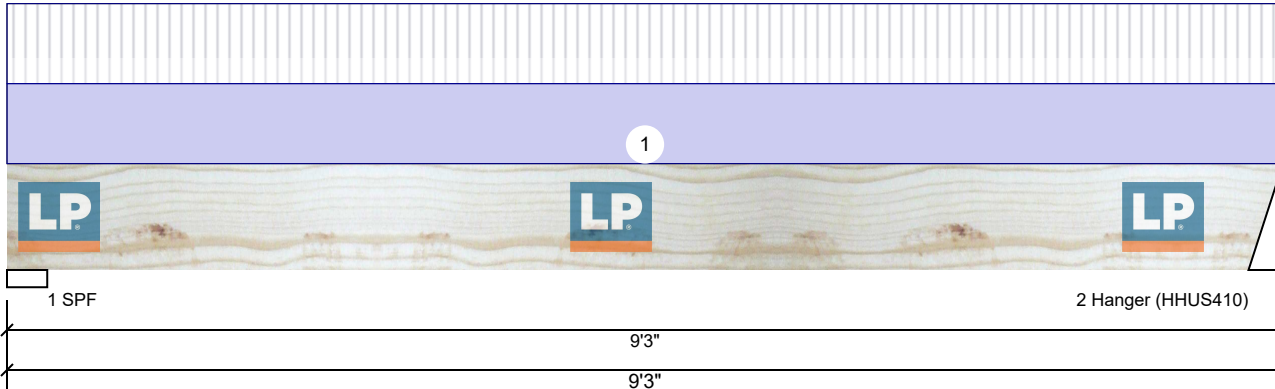
BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

Beam over MBR LP-LVL 2900Fb-2.0E 1.750" X 9.250" 2-Ply - PASSED

Level: Level



Member Information

Type:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC/IRC 2015
Load Sharing:	No
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	1208	1251	0	0	0
2	1197	1240	0	0	0

Bearings

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	47%	1251 / 1208	2459	L	D+L
2 - Hanger	3.000"	31%	1240 / 1197	2437	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	5162 ft-lb	4'7 3/4"	12416 ft-lb	0.416 (42%)	D+L	L
Shear	1930 lb	8'3 1/2"	6151 lb	0.314 (31%)	D+L	L
LL Defl inch	0.086 (L/1230)	4'7 3/4"	0.221 (L/480)	0.390 (39%)	L	L
TL Defl inch	0.175 (L/604)	4'7 3/4"	0.442 (L/240)	0.400 (40%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.089", Long Term = 0.134"
- 3 Fill all hanger nailing holes.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Multiple plies must be fastened together as per manufacturer's details.
- 6 Top loads must be supported equally by all plies.
- 7 Top braced at bearings.
- 8 Bottom braced at bearings.

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	260 PLF	260 PLF	0 PLF	0 PLF	0 PLF	Roof Load
	Self Weight				9 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

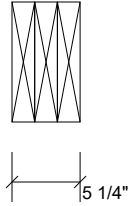
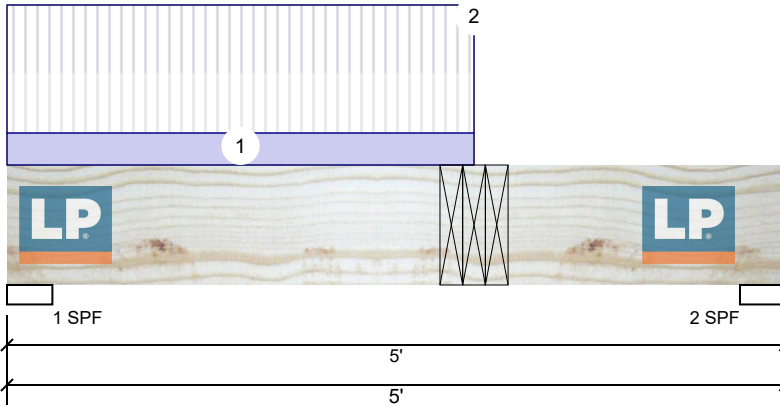
Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

Beam Right of Range LP-LVL 2900Fb-2.0E 1.750" X 9.250" 3-Ply - PASSED Level: Level



Member Information

Type:	Girder
Plies:	3
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC/IRC 2015
Load Sharing:	Yes
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	1149	769	0	0	0
2	1091	1007	0	0	0

Bearings

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	25%	769 / 1149	1919	L	D+L
2 - SPF	3.500"	27%	1007 / 1091	2098	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	3688 ft-lb	3'	19369 ft-lb	0.190 (19%)	D+L	L
Shear	2084 lb	4'	9227 lb	0.226 (23%)	D+L	L
LL Defl inch	0.013 (L/4104)	2'9 3/16"	0.114 (L/480)	0.120 (12%)	L	L
TL Defl inch	0.025 (L/2197)	2'10 1/16"	0.227 (L/240)	0.110 (11%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.012", Long Term = 0.017"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top braced at bearings.
- 7 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 3-0-0		Top	70 PLF	280 PLF	0 PLF	0 PLF	0 PLF	Floor Load
2	Point	3-0-0		Near Face	1497 lb	1400 lb	0 lb	0 lb	0 lb	Beam over Kitchen Brg 2
	Self Weight				14 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

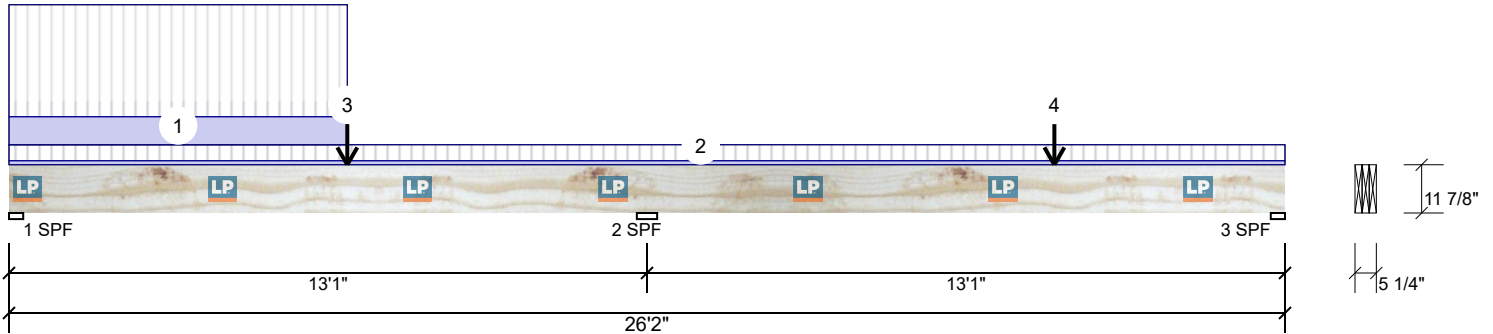
Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until
10/31/2021

Beam under Kit./Great Room Wall LP-LVL 2900Fb-2.0E 1.750" X 11.875" 3-Ply - PASSED Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	3	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	Yes
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	3095	1494	0	0	0
2	6310	4032	0	0	0
3	1628	1238	0	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	62%	1479 / 3363	4842	L_	D+L
2 - SPF	5.000"	93%	4062 / 6357	10419	LL	D+L
3 - SPF	3.500"	43%	1222 / 2169	3391	_L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Neg Moment	-18067 ft-lb	13'1"	31048 ft-lb	0.582 (58%)	D+L	LL
Pos Moment	21720 ft-lb	6'11 1/4"	31048 ft-lb	0.700 (70%)	D+L	L_
Shear	6359 lb	12'1 1/8"	11845 lb	0.537 (54%)	D+L	LL
LL Defl inch	0.259 (L/595)	6'6 5/8"	0.321 (L/480)	0.810 (81%)	L	L_
TL Defl inch	0.382 (L/403)	6'6 7/16"	0.643 (L/240)	0.590 (59%)	D+L	L_

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.123", Long Term = 0.184"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 6'11 5/8" o.c.
- 7 Bottom must be laterally braced at a maximum of 9'2 1/2" o.c.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 6-11-4		Top	70 PLF	280 PLF	0 PLF	0 PLF	0 PLF	Floor Load
2	Uniform		1-7-3	Top	10 PSF	40 PSF	0 PSF	0 PSF	0 PSF	Std. Floor Loading
3	Point	6-11-4		Top	3013 lb	4286 lb	0 lb	0 lb	0 lb	Header from Above
	Bearing Length	0-3-8								
4	Point	21-5-4		Top	2380 lb	3131 lb	0 lb	0 lb	0 lb	Header From Above
	Bearing Length	0-3-8								
	Self Weight				18 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

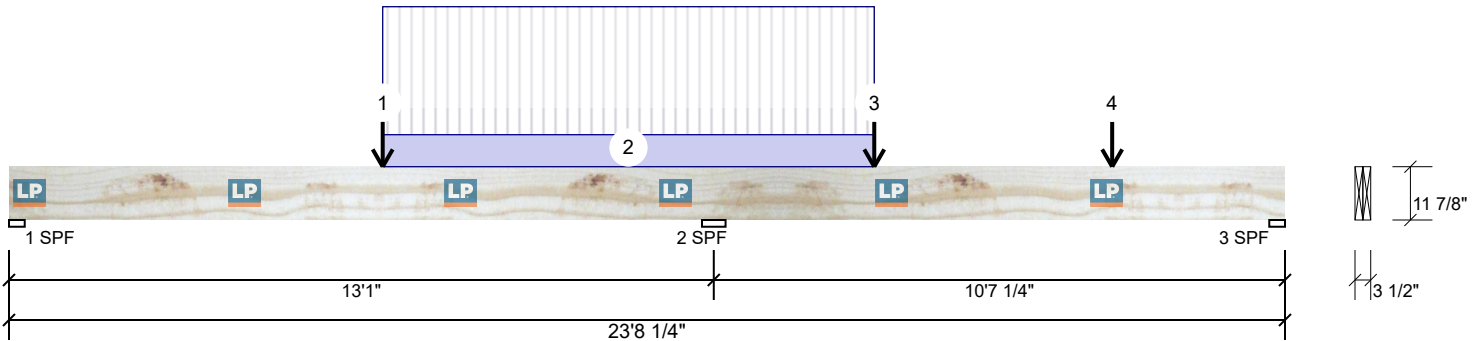
Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

Beam under Kit/Pantry Wall LP-LVL 2900Fb-2.0E 1.750" X 11.875" 2-Ply - PASSED Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	511	147	0	0	0
2	4531	2040	0	0	0
3	757	812	0	0	0

Bearings

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	15%	141 / 654	795 (-15)	L_	D+L(D+L)
2 - SPF	5.250"	85%	2054 / 4561	6615	LL	D+L
3 - SPF	3.500"	35%	804 / 1034	1838	_L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Neg Moment	-7436 ft-lb	13'1"	19902 ft-lb	0.374 (37%)	D+L	LL
Pos Moment	5415 ft-lb	20'5 3/4"	19902 ft-lb	0.272 (27%)	D+L	_L
Shear	3284 lb	14' 7/8"	7897 lb	0.416 (42%)	D+L	LL
LL Defl inch	0.123 (L/1257)	6'11 1/4"	0.321 (L/480)	0.380 (38%)	L	L_
TL Defl inch	0.116 (L/1069)	18'6 3/8"	0.519 (L/240)	0.220 (22%)	D+L	_L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = -0.006", Long Term = -0.009"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Tie-down connection required at bearing 1 for uplift 15 lb (Combination D+L, Load Case _L).
- 7 Top braced at bearings.
- 8 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Point	6-11-4		Top	301 lb	1003 lb	0 lb	0 lb	0 lb	Beam Above
	Bearing Length	0-3-8								
2	Part. Uniform	6-11-4 to 16-0-12		Top	70 PLF	280 PLF	0 PLF	0 PLF	0 PLF	Floor Load
3	Point	16-0-12		Top	770 lb	1150 lb	0 lb	0 lb	0 lb	Beam Above
	Bearing Length	0-3-8								

Continued on page 2...

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

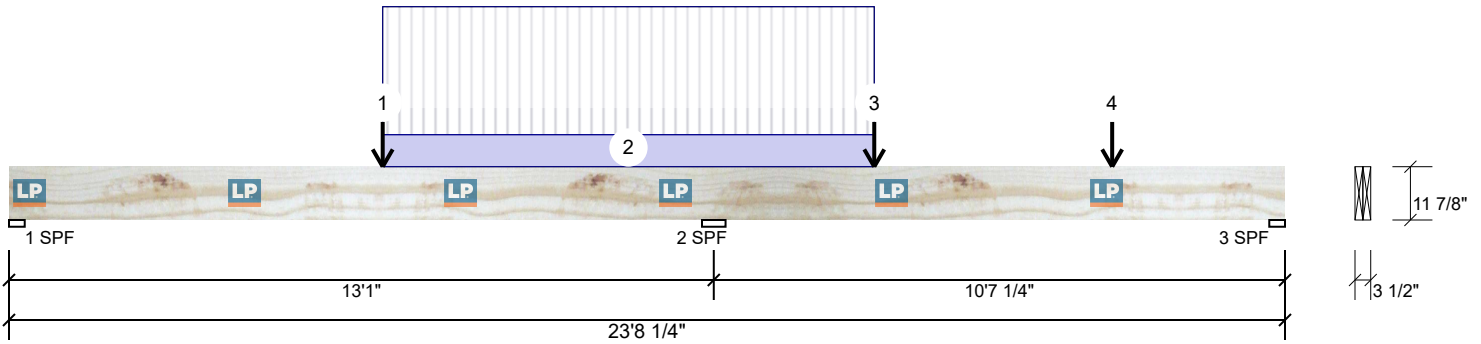
BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

Beam under Kit/Pantry Wall LP-LVL 2900Fb-2.0E 1.750" X 11.875" 2-Ply - PASSED

Level: Level



...Continued from page 1

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
4	Point	20-5-12		Top	1007 lb	1091 lb	0 lb	0 lb	0 lb	Beam Above
	Bearing Length	0-3-8								
	Self Weight				12 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.

Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

This design is valid until 10/31/2021

Manufacturer Info

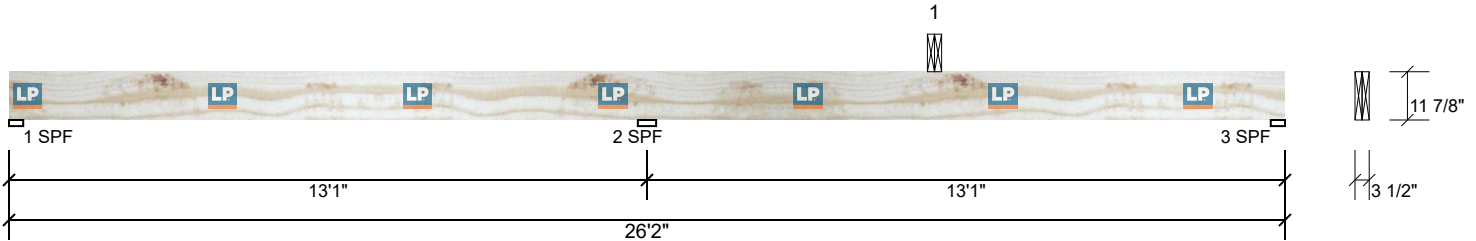
Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



Beam under Stair Wall LP-LVL 2900Fb-2.0E 1.750" X 11.875" 2-Ply - PASSED

Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	0 (-112)	(-56)	0	0	0
2	879	1100	0	0	0
3	442	518	0	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	0%	-60 / -115	-175 (-175)	_L	D+L(D+L)
2 - SPF	4.500"	30%	1108 / 885	1993	_L	D+L
3 - SPF	3.500"	18%	514 / 438	953	_L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Neg Moment	-3270 ft-lb	13'1"	19902 ft-lb	0.164 (16%)	D+L	_L
Pos Moment	6322 ft-lb	18'11 3/4"	19902 ft-lb	0.318 (32%)	D+L	_L
Shear	1650 lb	14' 7/8"	7897 lb	0.209 (21%)	D+L	_L
LL Defl inch	0.077 (L/1997)	19'3 1/4"	0.321 (L/480)	0.240 (24%)	L	LL
TL Defl inch	0.161 (L/958)	19'3 9/16"	0.643 (L/240)	0.250 (25%)	D+L	LL

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.084", Long Term = 0.126"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Tie-down connection required at bearing 1 for uplift 175 lb (Combination D+L, Load Case _L).
- 7 Top braced at bearings.
- 8 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Point	18-11-12		Top	1251 lb	1208 lb	0 lb	0 lb	0 lb	Beam over MBR Brg 1
	Bearing Length	0-3-8								
	Self Weight				12 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

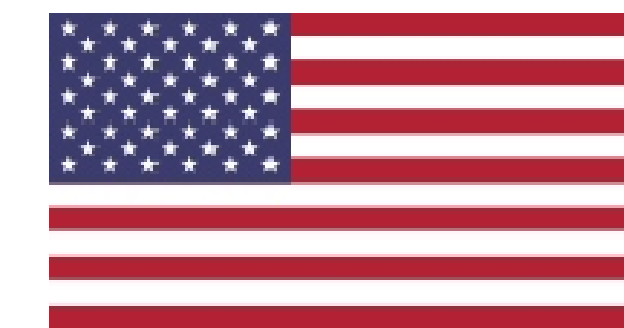
Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until
10/31/2021

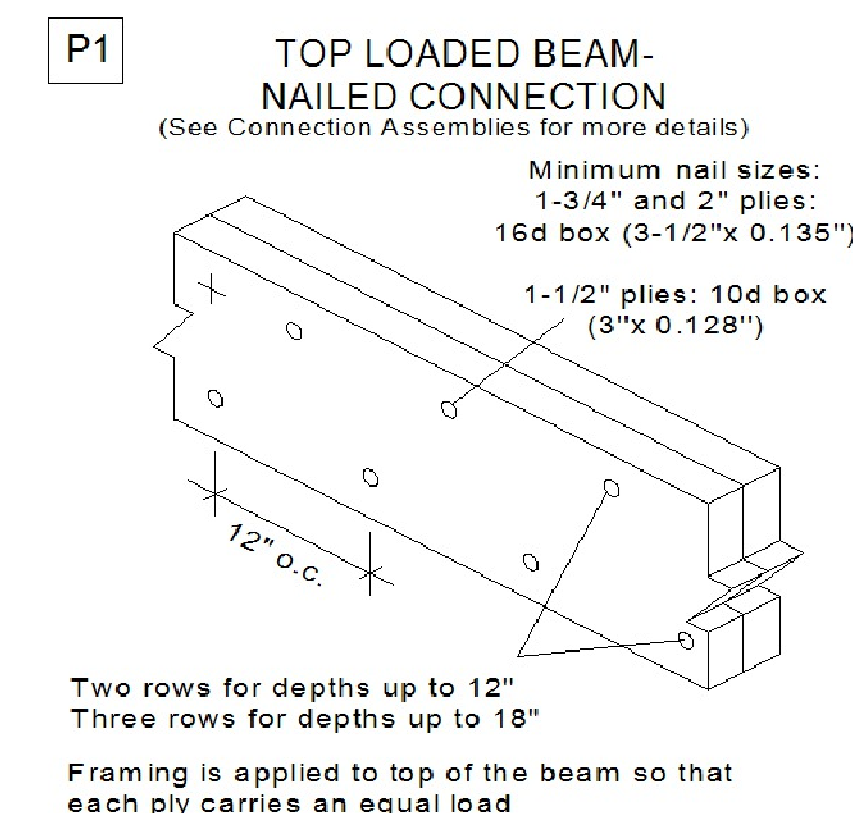


U. S. LUMBER

Important Notes WARNING: Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, unsafe structures and possible collapse.

These instructions are offered as a guide to good practice in the handling, storage and installation of LP® SolidStart® I-Joists, LP SolidStart LVL & LP SolidStart LSL beams. They are, however, solely general recommendations and, in some instances, other or additional precautions may be desirable. In all cases, the procedures used should be as specified by the architect/engineer responsible for the entire building.

- This is not intended as a manual for selecting products and assumes that components and details have been specified correctly.
- Consult the LP SolidStart I-Joist, LP SolidStart LVL & LP SolidStart LSL brochures or contact your LP SolidStart products distributor for assistance.
- All rim joists, blocking, connections and temporary bracing must be installed before erectors are allowed on the structure.
- No loads other than the weight of the erectors are to be imposed on the structure before it is permanently sheathed.
- After sheathing, do not overload joists with construction materials exceeding design loads.
- LP SolidStart I-Joists, LP SolidStart LVL & LP SolidStart LSL beams must be used under dry, covered and well ventilated interior conditions in which the equivalent moisture content in lumber will not exceed 16%.



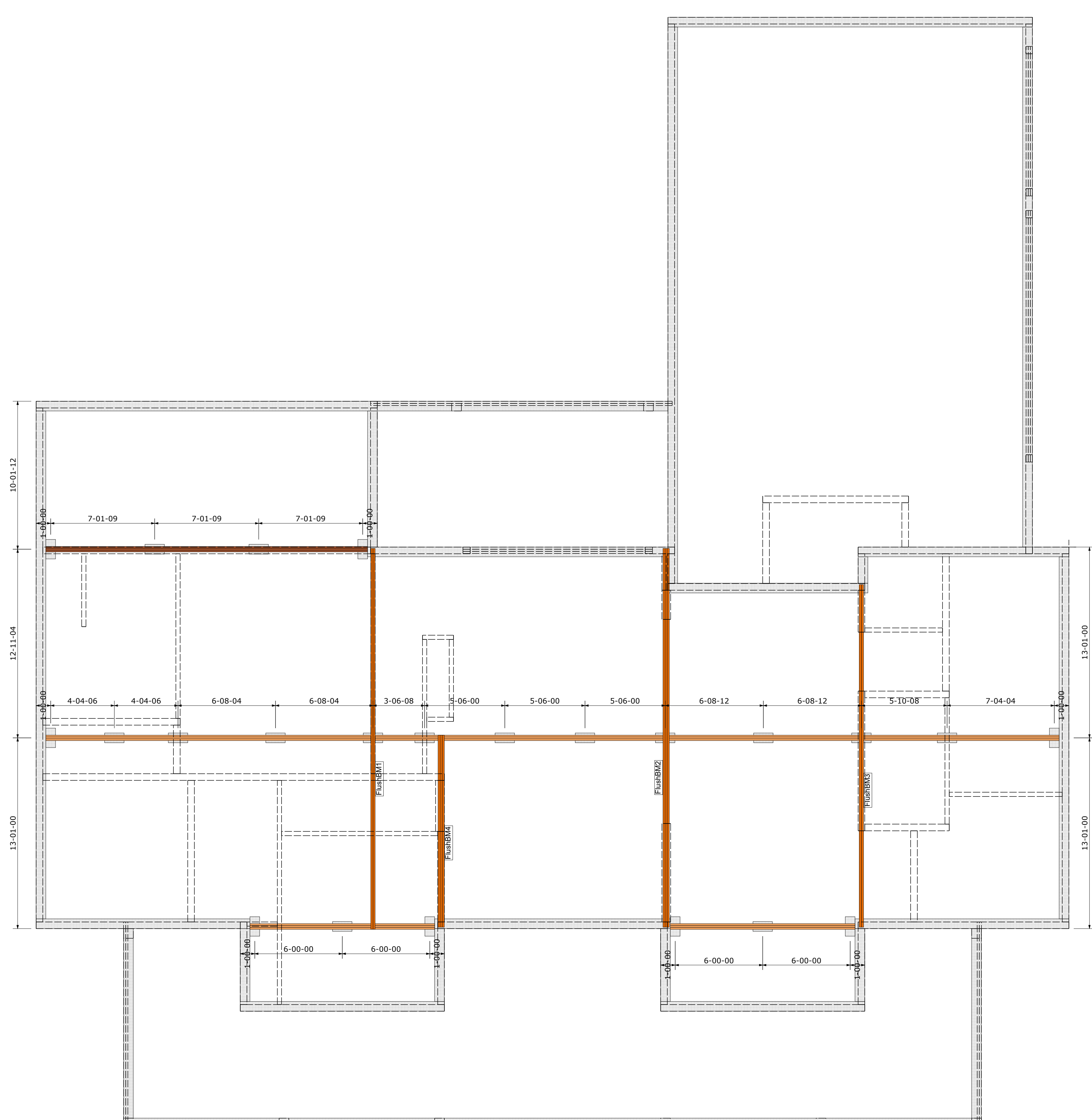
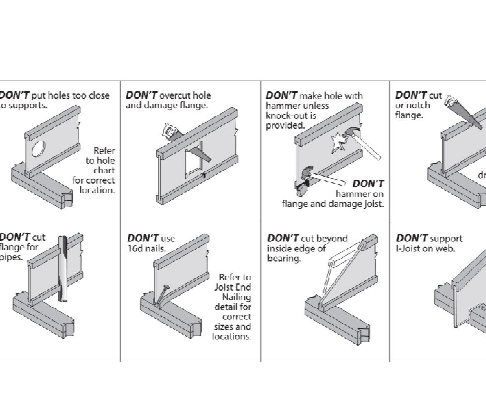
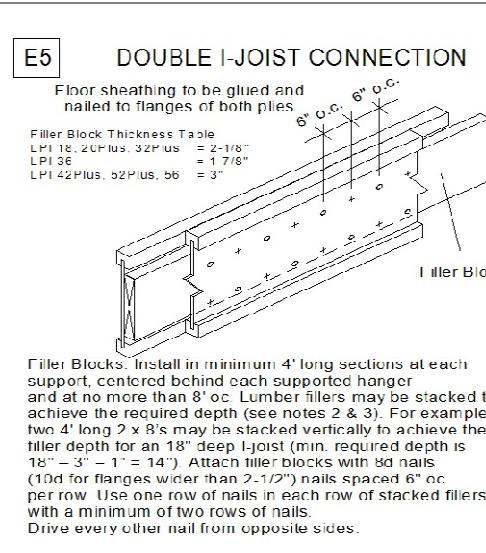
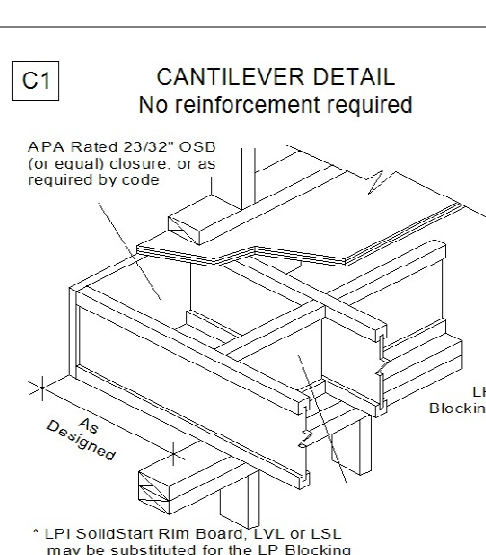
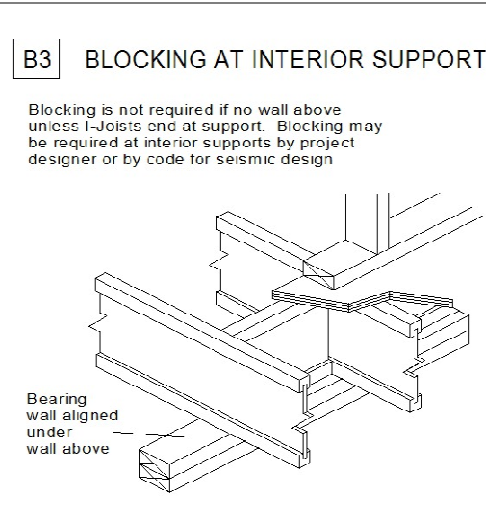
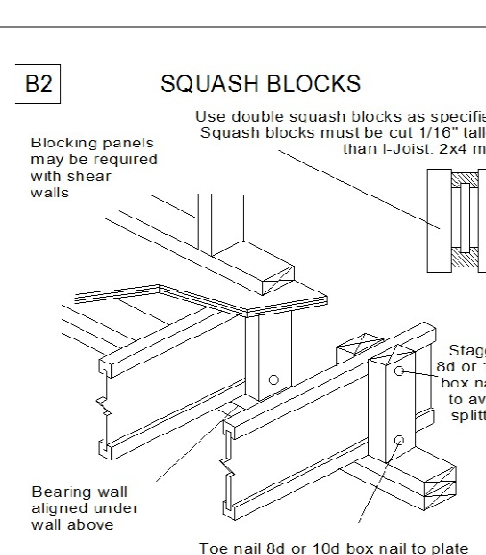
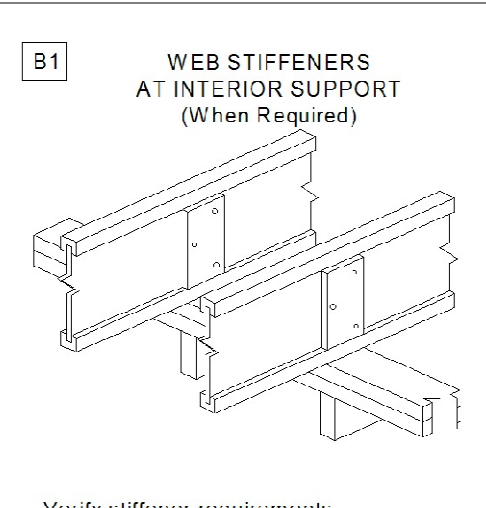
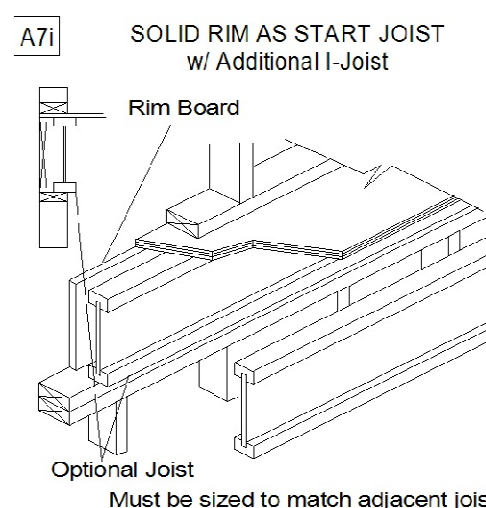
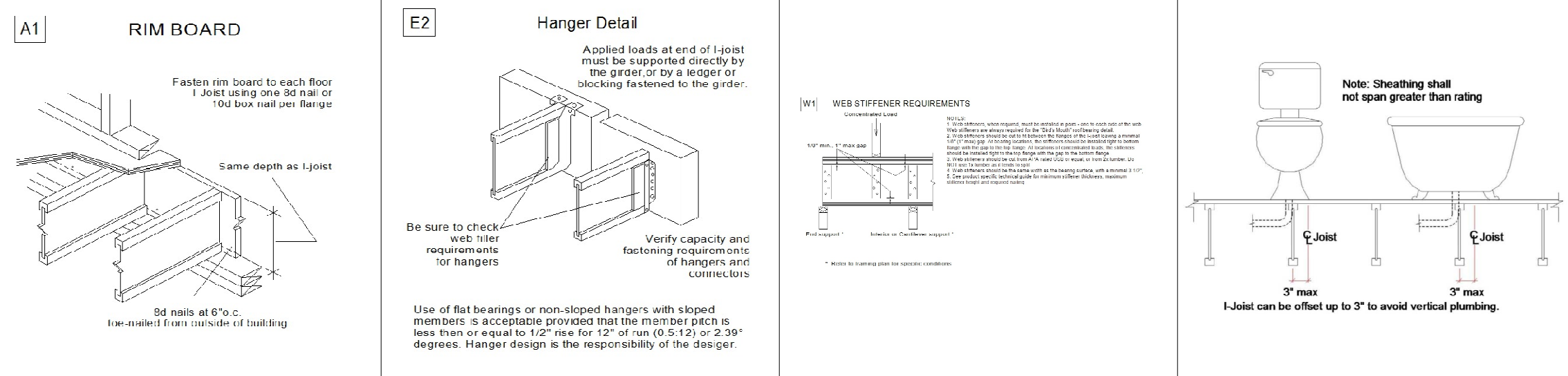
Customer Name:
BRAD CUMMINGS

Job Name:
THE LASERIA RESIDENCE

Designer:
Tony Huneycutt

Salesman:
EDDIE BAUER

Scale: 1/4" = 1' Date: 07/22/20 1ST FLOOR



FIRST FLOOR FRAMING

1634	LF	12IJ	11-7/8" LPI 20Plus JOISTS	15/36' 3/32' 8/30' 1/28'	3	4902
				18/26' 3/24' 1/20' 3/14'		
				1/10' 9/6' 2/4' + 56' BLKG		
21	PCS	12RIM12	1-1/8" x 11-7/8" x 12' RIM BOARD		43.2	907.2
224	LF	12LVL	1-3/4" x 11-7/8" LVL	2/28' 3/26' 2/24' 3/14'	5.4	1209.6

7018.8

SECOND FLOOR EWP

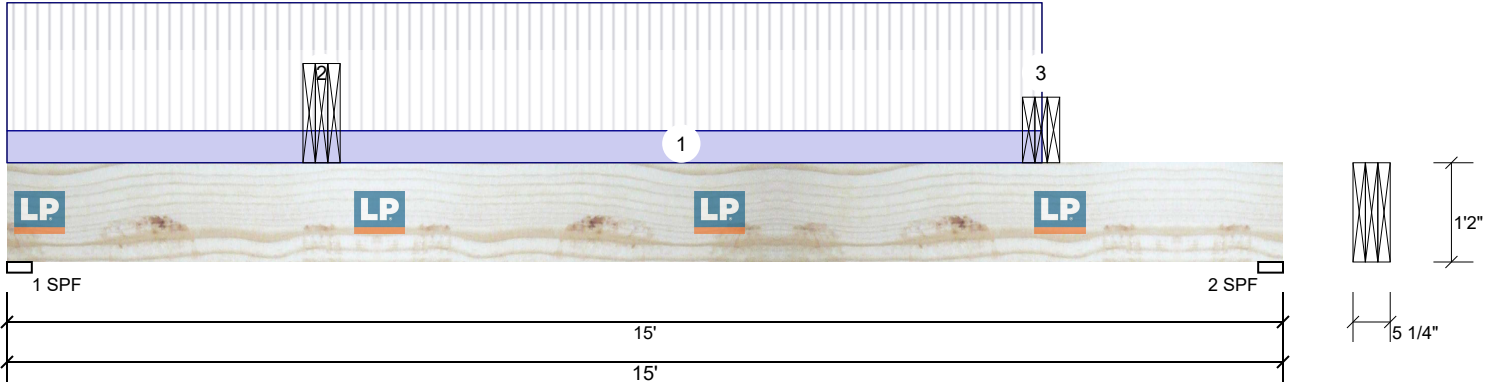
412	LF	9LVL	1-3/4" x 9-1/4" LVL	2/28' 4/22' 3/16' 7/14' 5/12'	4.2	1730.4
				2/10' 3/8' 3/6'		
42	LF	12LVL	1-3/4" x 11-7/8" LVL	3/14'	5.4	226.8
150	LF	14LVL	1-3/4" x 14" LVL	3/18' 6/16'	6.4	960

2917.2

BRAD CUMMINGS
THE LASERIA RESIDENCE

BMC/LOCUST LUMBER/SOUTHERN PINES
SALESMAN:EDDIE BAUER

Header @ Kit./Great Room LP-LVL 2900Fb-2.0E 1.750" X 14.000" 3-Ply - PASSED Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	3	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	Yes
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	4236	3013	0	0	0
2	3131	2380	0	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	93%	3013 / 4236	7249	L	D+L
2 - SPF	3.500"	71%	2380 / 3131	5510	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	23084 ft-lb	5'3 7/16"	42165 ft-lb	0.547 (55%)	D+L	L
Shear	6731 lb	1'4 3/4"	13965 lb	0.482 (48%)	D+L	L
LL Defl inch	0.241 (L/724)	7'2 13/16"	0.364 (L/480)	0.660 (66%)	L	L
TL Defl inch	0.410 (L/425)	7'2 3/8"	0.727 (L/240)	0.560 (56%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.169", Long Term = 0.254"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 8'1 1/2" o.c.
- 7 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 12-2-0		Top	70 PLF	280 PLF	0 PLF	0 PLF	0 PLF	Floor Load
2	Point	3-8-6		Top	2728 lb	2560 lb	0 lb	0 lb	0 lb	Beam @ Loft Brg 1
	Bearing Length	0-3-8								
3	Point	12-1-14		Top	1497 lb	1400 lb	0 lb	0 lb	0 lb	Beam over Kitchen Brg 2
	Bearing Length	0-3-8								
	Self Weight				21 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

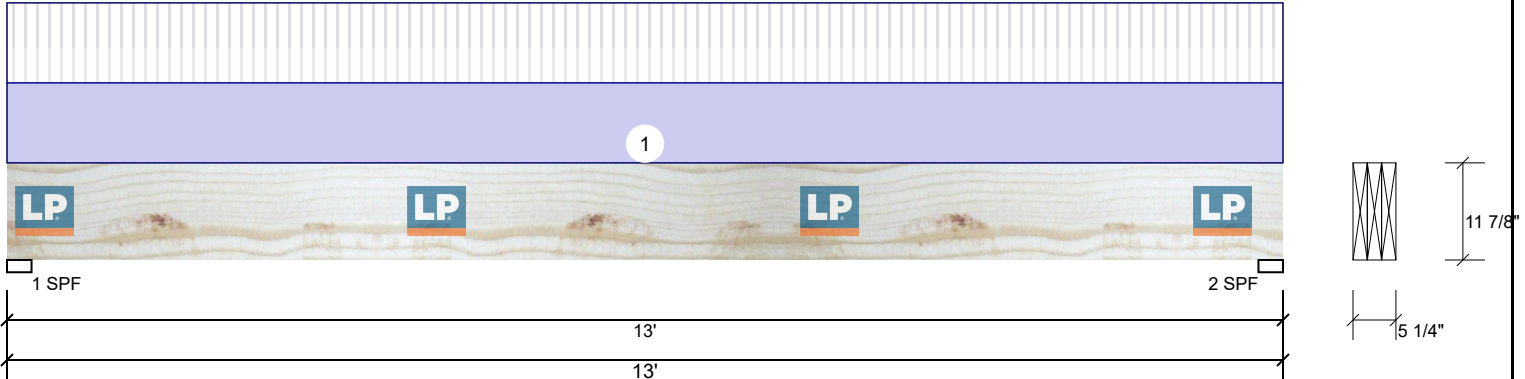
Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

Header over Door in Great Room LP-LVL 2900Fb-2.0E 1.750" X 11.875" 3-Ply - PASSED Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	3	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	Yes
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	2275	2391	0	0	0
2	2275	2391	0	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.000"	70%	2391 / 2275	4666	L	D+L
2 - SPF	3.000"	70%	2391 / 2275	4666	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	14302 ft-lb	6'6"	31048 ft-lb	0.461 (46%)	D+L	L
Shear	3821 lb	1'2 1/8"	11845 lb	0.323 (32%)	D+L	L
LL Defl inch	0.149 (L/1014)	6'6"	0.316 (L/480)	0.470 (47%)	L	L
TL Defl inch	0.306 (L/494)	6'6"	0.631 (L/240)	0.490 (49%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.157", Long Term = 0.236"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be continuously braced.
- 7 Bottom braced at bearings.

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	350 PLF	350 PLF	0 PLF	0 PLF	0 PLF	Roof Load
	Self Weight				18 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

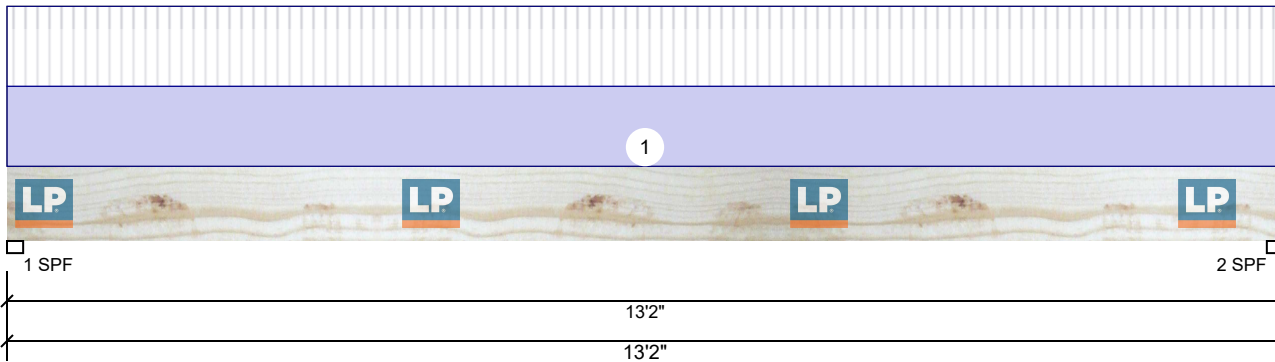
BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021

Rear Porch Header LP-LVL 2900Fb-2.0E 1.750" X 9.250" 2-Ply - PASSED

Level: Level



Member Information

Type:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC/IRC 2015
Load Sharing:	No
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	658	719	0	0	0
2	658	719	0	0	0

Bearings

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	2.000"	46%	719 / 658	1378	L	D+L
2 - SPF	2.000"	46%	719 / 658	1378	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	4392 ft-lb	6'7"	12416 ft-lb	0.354 (35%)	D+L	L
Shear	1195 lb	10 1/2"	6151 lb	0.194 (19%)	D+L	L
LL Defl inch	0.145 (L/1073)	6'7"	0.324 (L/480)	0.450 (45%)	L	L
TL Defl inch	0.303 (L/513)	6'7"	0.648 (L/240)	0.470 (47%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.158", Long Term = 0.237"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top braced at bearings.
- 7 Bottom braced at bearings.

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	100 PLF	100 PLF	0 PLF	0 PLF	0 PLF	Roof Load
	Self Weight				9 PLF					

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
Copyright 2019 All rights reserved by Louisiana Pacific Corp. 414 Union St Suite 2000, Nashville, TN 37219

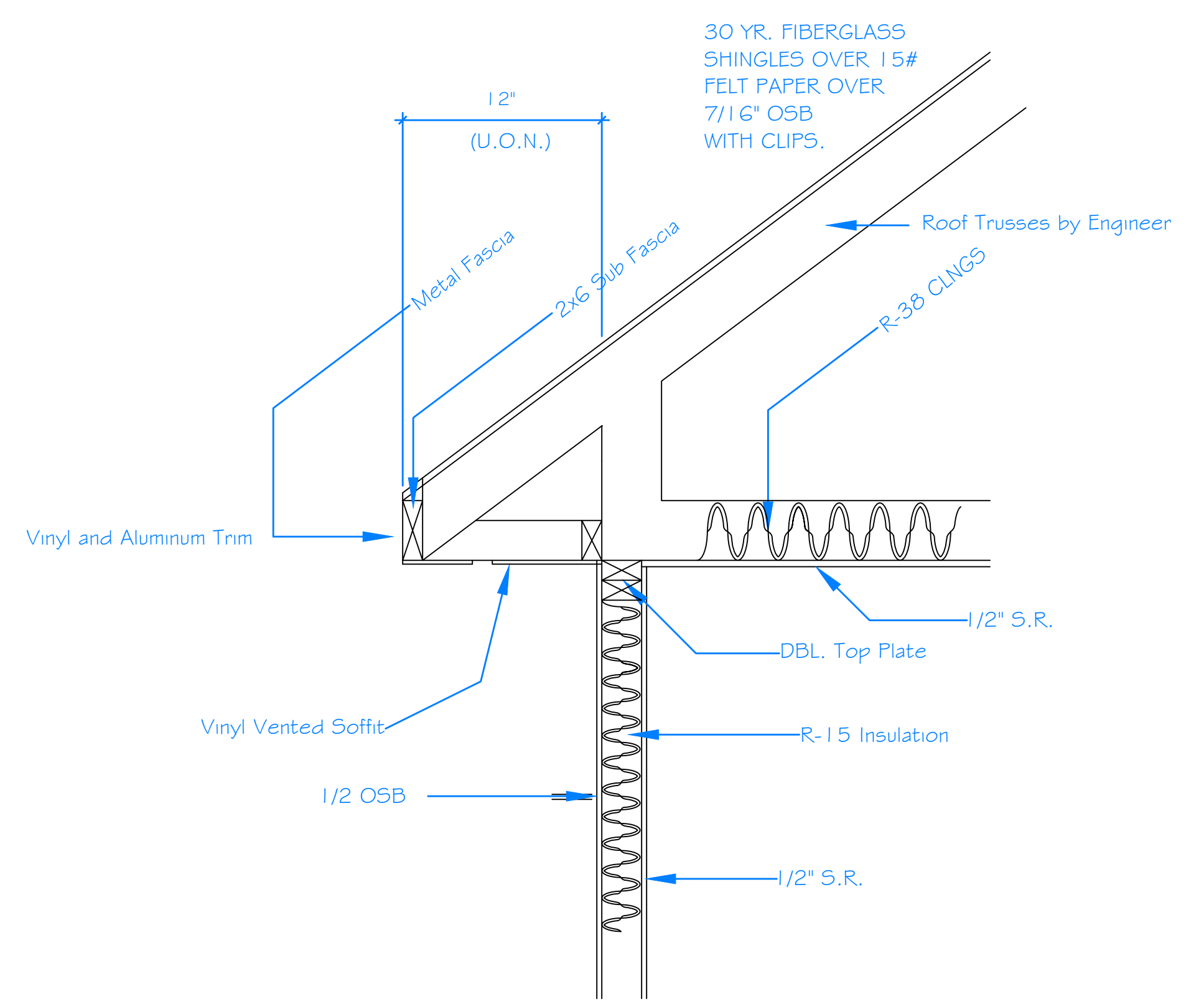
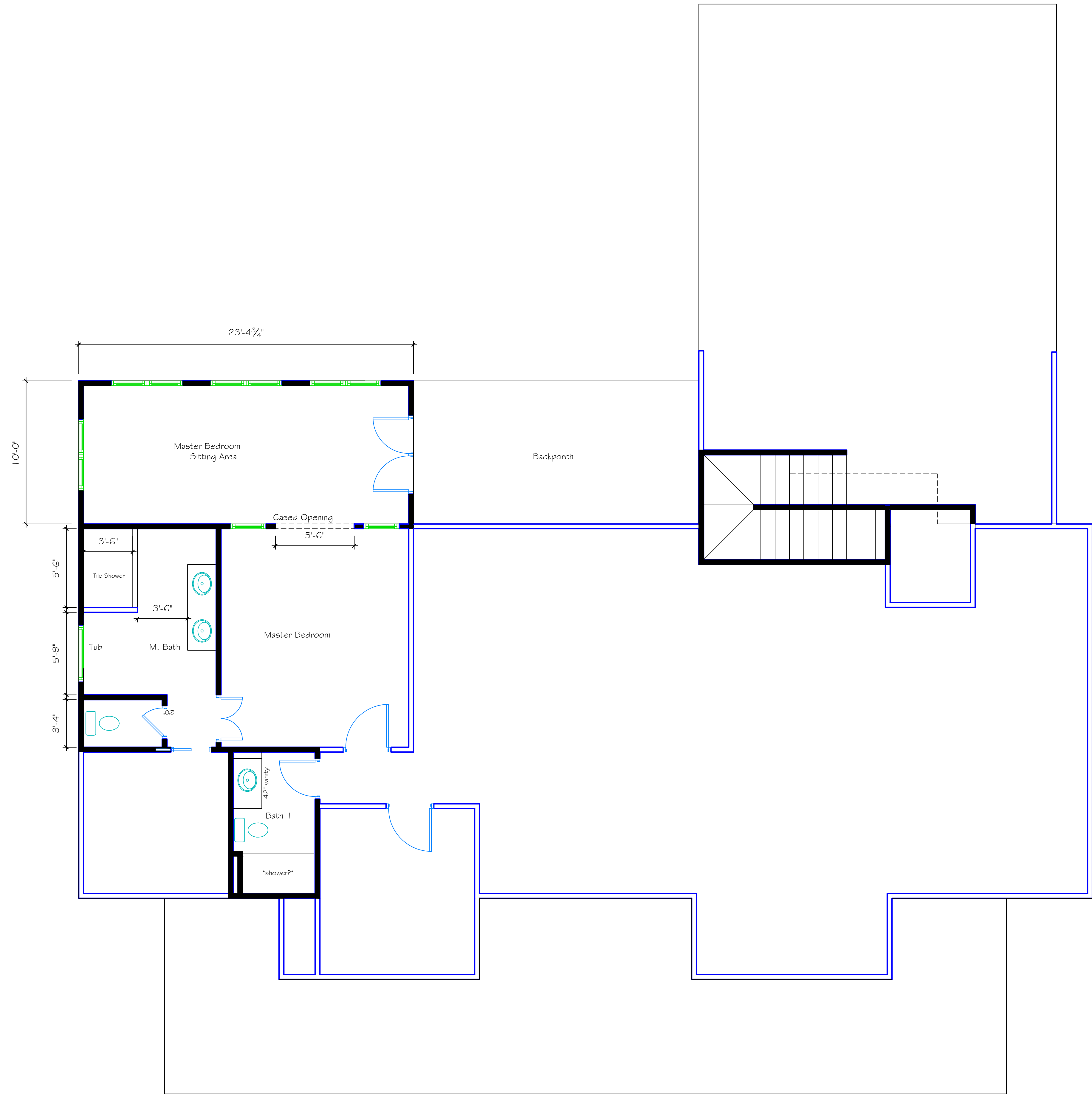
Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403,
LADBS: RR-25783, Florida: FL15228

BMC/Locust Lumber Company
312 E. Main St., NC
United States
28097
(704) 888-4411



This design is valid until 10/31/2021



Roof Section

- Truss design drawings, prepared in conformance with section R802.10.1, shall be provided to the building official and approved prior to installation.
- Wood trusses shall be designed in accordance with accepted engineering practice. The truss design drawings shall be prepared by a registered professional where required by the statutes of the jurisdiction in which the project is to be constructed in accordance with Section R106.1.
- Trusses shall be braced to prevent rotation and provide lateral stability in accordance with the requirements specified in the construction documents for the building and on the individual truss design drawing.
- Truss members shall not be cut, notched, drilled, spliced or otherwise altered in any way without the approval of a registered design professional.

Main Level Changes

PlotID	Length	Product	Piles	Net Qty	Fab Type
FJ36	36-00-00	11-7/8" LPI 20Plus	1	15	MFD
FJ32	32-00-00	11-7/8" LPI 20Plus	1	3	MFD
FJ30	30-00-00	11-7/8" LPI 20Plus	1	8	MFD
FJ28	28-00-00	11-7/8" LPI 20Plus	1	8	MFD
FJ26	26-00-00	11-7/8" LPI 20Plus	1	1	MFD
FJ24	24-00-00	11-7/8" LPI 20Plus	1	1	MFD
FJ20	20-00-00	11-7/8" LPI 20Plus	1	1	MFD
FJ14	14-00-00	11-7/8" LPI 20Plus	1	1	MFD
FJ10	10-00-00	11-7/8" LPI 20Plus	1	1	MFD
FJ6	6-00-00	11-7/8" LPI 20Plus	1	9	MFD
FJ4	4-00-00	11-7/8" LPI 20Plus	1	2	MFD
FlushBM1	28-00-00	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	2	2	MFD
FlushBM2	26-00-00	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	2	3	MFD
FlushBM3	24-00-00	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	2	2	MFD
FlushBM4	14-00-00	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	3	3	MFD
RIM1	12-00-00	1 1/8" x 11 7/8" APA Rim Board	1	21	FF
BLK1	56-00-00	11 7/8" LPI 20Plus	1	1	FF
				33-00-00	

11-7/8" LPI 20Plus JOISTS @ 19.2" OC SPACING

SIT TRUSS ON FLOOR LVL, SUBFL AND 2X PLATE. TRUSS FORMS WALL USE (2) 2X ON TOP

Truss Connector Total List

Qty	Product	Manuf
2	HUS26-2	Simpson
16	HUS26	Simpson
15	THA29	Simpson
175	H2.5A	

Sq Ft Roof Area = 5920.56

Main Level Changes

AS START JOIST (10) 11-Joist

to match adjacent joist

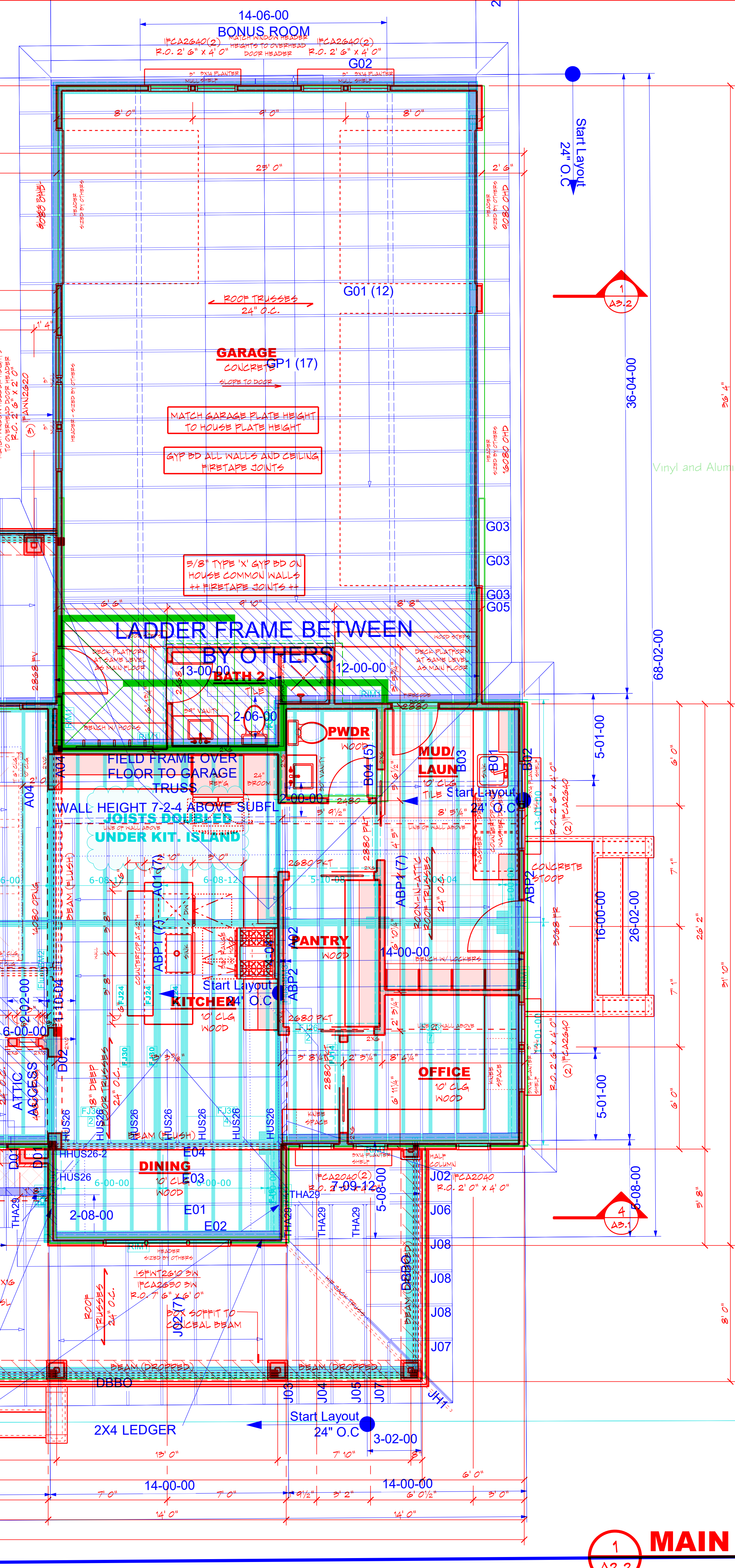
OFFENERS (OR SUPPORT) Required

BLOCKS (The blocks shall be as specified in the schedule. Blocks must be cut to fit the truss and must be secured to the truss with 2x4 blocking.)

INTERIOR SUPPORT (The interior support shall be as specified in the schedule. The support shall be secured to the truss with 2x4 blocking.)

OVER DETAIL (Detail required)

INST CONNECTION (The connection shall be as specified in the schedule. The connection shall be secured to the truss with 2x4 blocking.)



HANDLING, INSTALLING AND DRIVING

- FOLLOW SIMPSON'S INSTALLATION RECOMMENDATIONS FOR HANGER CONNECTIONS.
- VERIFY ALL BUILDING DIMENSIONS PRIOR TO TRUSS ERECTION.
- EXTERIOR DIMENSIONS ARE FROM OUT TO OUT OF STUD UNLESS NOTED OTHERWISE.
- DO NOT CUT, DRILL OR ALTER TRUSS WITH OUT CONSULTING A REGISTERED PROFESSIONAL ENGINEER.
- ATTIC ACCESS MUST BE PLACED BETWEEN TRUSSES.
- BUILDER IS RESPONSIBLE FOR PROVIDING ADEQUATE BEARING TO SUPPORT TRUSS REACTIONS.
- DIMENSIONS ARE IN FEET-INCHES-SIXTEENTHS.
- NO HANGERS ARE REQUIRED FOR SMALL OPEN ENDED TRUSSES.
- 3 NAILS IN BOTH THE TOP AND BOTTOM CHORDS.

ROYAL OAKS DESIGN
3459 Lake Elmo Ave
Lake Elmo, MN
www.royaloaksdesign.com

EDDIE BAUER
CERTIFIED PROFESSIONAL BUILDING DESIGNER
NATIONAL COUNCIL OF BUILDING DESIGNERS
Kieran J. Liebl 24-106

ENTRY ELEVATION

Scale: 1/4" = 1' 0"

GENERAL NOTES

- ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALING OF DRAWINGS.
- ALL DIMENSIONS ARE FROM EXTERIOR FACE OF EXTERIOR WALLS AND CENTERLINE OF UTILITY CONNECTIONS.
- ALL DIMENSIONS ARE ACCURATE AND COMPLETE. THE OWNER/BUILDER MUST VERIFY ALL DIMENSIONS, CONSTRUCTION METHODS, SITE CONDITIONS AND SPECIFICATIONS AND BE RESPONSIBLE FOR SAME.
- ANY NOTATIONS OF SIZES OR STRUCTURAL MEMBERS SUCH AS POSTS, BEAMS, JOISTS, RAFTERS, TRUSSES, ETC., THAT APPEAR ON THESE PLANS ARE FOR DESIGN REVIEW AND BUILDING PURPOSES ONLY. IT IS RECOMMENDED A PROFESSIONAL ENGINEER BE ENGAGED TO CALCULATE AND DESIGN ALL STRUCTURAL COMPONENTS INVOLVED IN THIS STRUCTURE.
- WINDOWS: Two rows for depths up to 12" and three rows for depths up to 18".
- STILES AND SILL ARE NOTIFIED TO TOP OF THE BEAM SO THAT WINDOW FRAME WILL BE FULLY SUPPORTED.
- WINDOW GLASS SHALL BE FULLY SUPPORTED BY THE WINDOW FRAME AND SHALL BE FULLY SUPPORTED BY THE WINDOW FRAME.
- BUILDER TO VERIFY WINDOW AND DOOR ROUGH OPENINGS AND BE RESPONSIBLE.

Customer Name: EDDIE BAUER

Scale: 1/4" = 1' 0"

Date: 07/22/20

1ST FLOOR

BRAD CUMMINGS

Truss design and engineering services provided to the customer. The truss design and engineering services provided to the customer are for design review and building purposes only. It is recommended a professional engineer be engaged to calculate and design all structural components involved in this structure.

EDDIE BAUER
Salesman

Scale: 1/4" = 1' 0"

Date: 07/22/20

1ST FLOOR

++ STRUCTURAL NOTICE ++

ALL STRUCTURAL BEAM AND HEADER SIZES, BEARING CONDITIONS AND ANCHORAGE REQUIREMENTS MUST BE REVIEWED BY A STRUCTURAL ENGINEER BASED ON EXISTING SITE CONDITIONS. OWNER/BUILDER TO ASSUME ALL RESPONSIBILITY FOR ENTIRE STRUCTURE.

++ FOUNDATION ENGINEERING ++

ALL BUILDING FOUNDATION, POSTS, SIZES AND ANCHORAGE REQUIREMENTS INCLUDING POST FOOTINGS, TO BE DESIGNED ON SITE BY LOCAL ENGINEER OR FOUNDATION CONTRACTOR BASED ON EXISTING SITE CONDITIONS.

MAIN LEVEL FLOOR PLAN

Scale: 1/4" = 1' 0"

Copyright © 2019 Royal Oaks Design, Inc.

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are individual building components to be incorporated into the building design by the building designer. It is the builder's responsibility to specify the building designer.