

TO USE:

- Select the required joist and design.
- Determine the support condition for the nearest bearing or support or interior support (including cantilever end support).
- Select the max corresponding to the required Clear Span. For spans between those listed, use the next largest value.
- Select the max column corresponding to the required Hole Diameter. For diameters between those listed, use the next largest value.
- The intersection of the Clear Span and Hole Diameter values gives the maximum distance from the inside face of bearing to the center of a circular hole.
- Double check the distance to the other support using the appropriate support condition.

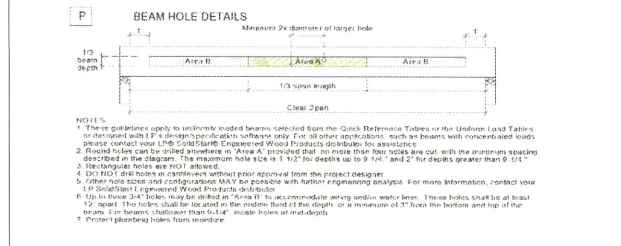
Depth	Clear Span (ft)	Distance from End Support						Distance from Interior or Cantilever-End Support					
		2"	4"	6"	8"	10"	12"	2"	4"	6"	8"	10"	12"
14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-5"	2'-7"	3'-9"	-	-
	18'	1'-0"	1'-0"	1'-0"	1'-0"	4'-6"	-	1'-8"	2'-10"	3'-11"	5'-7"	6'-3"	-
	22'	1'-5"	2'-9"	4'-1"	5'-6"	7'-0"	-	4'-2"	6'-5"	7'-7"	8'-9"	-	-
	26'	3'-0"	4'-6"	6'-5"	8'-0"	9'-8"	-	6'-8"	7'-10"	8'-11"	10'-1"	11'-4"	-
16"	18'	1'-0"	1'-0"	1'-4"	2'-5"	3'-7"	4'-11"	1'-5"	2'-6"	3'-6"	4'-6"	5'-6"	6'-4"
	22'	1'-4"	2'-5"	3'-6"	4'-9"	6'-1"	7'-5"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	26'	3'-6"	4'-8"	5'-11"	7'-2"	8'-7"	10'-1"	5'-6"	7'-6"	8'-6"	9'-6"	10'-6"	11'-9"
	30'	5'-9"	7'-0"	8'-4"	9'-9"	11'-3"	12'-10"	9'-0"	11'-0"	12'-0"	13'-2"	14'-8"	-

DESIGN ASSUMPTIONS:

- The hole locations listed above are valid for floor joists supporting only uniform loads. The total uniform load shall not exceed 130 psf (e.g. 40 psf Live Load and 75 psf Dead Load (spaced 14" o.c.).
- Hole locations are measured from the inside face of bearing to the center of a circular hole, from the rafter support.
- Clear Span has not been verified for these joists and is shown for informational purposes and verify that the joist selected will work for the span and loading conditions needed before checking hole location.
- The maximum hole depth for circular holes is the joist Depth less 4" except the maximum hole depth is 1" for 12" LPI joists, and 8" for 11 1/2" LPI joists.
- Holes cannot be located in the span where a design professional.

NOTES:

- Holes may be placed anywhere within the depth of the joist. A maximum 1/4" clear distance is required between the hole and the flanges.
- Round holes up to 1 1/2" diameter may be placed anywhere on the web.
- Pre-notched "screeds" may be neglected when loading two joists.
- Joist larger than 3 1/2" are not permitted as joists without special engineering.
- Multiple holes shall have a clear separation along the length of the joist at least twice the length of the larger adjacent hole, or a minimum of 17" center to center, whichever is greater.
- Multiple holes may be spaced closer provided they fit within the boundary of an acceptable single hole. Example: two 1" round holes adjacent parallel to the joist length may be spaced 2" apart (clear separation provided that a 3" high by 9" long rectangle on a 3" diameter joist has an acceptable fit for the joist depth at that location and completely encompasses the holes).
- For conditions not covered in this table, use LPI's design software or contact your local LPI Sales/Engineer/Engineer Wood Products Specialist for more information.



Important Notes: WAARNING: Failure to follow proper procedures for handling, storage and installation can result in unacceptable performance, failure and/or voided warranty.

These instructions are intended as a guide to good practice in the handling, storage and installation of LPI's products. LPI's products are designed to be used in accordance with the applicable code requirements. The user assumes all responsibility for the proper use of the products in accordance with the applicable code requirements.

Handling & Storage:

- Always use proper lifting techniques to avoid injury.
- Use proper tie-down techniques to avoid damage to the product.
- Store LPI products in a dry, well-ventilated area.
- Do not store LPI products in contact with the ground or other materials.
- Do not use LPI products in contact with the ground or other materials.
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2nd Flr Joist (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J7	LPI 20Flr	2.5	14	1	1	1	854-0.0
J5	LPI 20Flr	2.5	14	6	1	6	304-0.0
J4	LPI 20Flr	2.5	14	2	1	2	184-0.0
J10	LPI 20Flr	2.5	14	3	1	3	164-0.0
J6	LPI 20Flr	2.5	14	3	1	3	164-0.0
J9	LPI 20Flr	2.5	14	6	1	6	144-0.0
J2	LPI 20Flr	2.5	14	2	1	2	144-0.0
J4	LPI 20Flr	2.5	14	6	1	6	124-0.0
J1	LPI 20Flr	2.5	14	3	1	3	44-0.0

LVL LSL (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
L11A	LPI-LVL 1.5S	1.5	14	1	1	1	8-0.0
L14A	LPI-LVL 1.5S	1.5	14	1	1	1	8-0.0
L13	LPI-LVL 1.5S	1.5	14	1	1	1	8-0.0
L11	LPI-LVL 2800B-2-0	1.75	24	1	2	2	24-0.0

LVL LSL (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
L18B	LPI-LVL 1.5S	1.5	9.75	2	1	2	12-0.0
L19A	LPI-LVL 1.5S	1.5	9.75	1	1	1	8-0.0
L19C	LPI-LVL 1.5S	1.5	11.875	1	1	1	24-0.0

Beam By Others (Dropped)

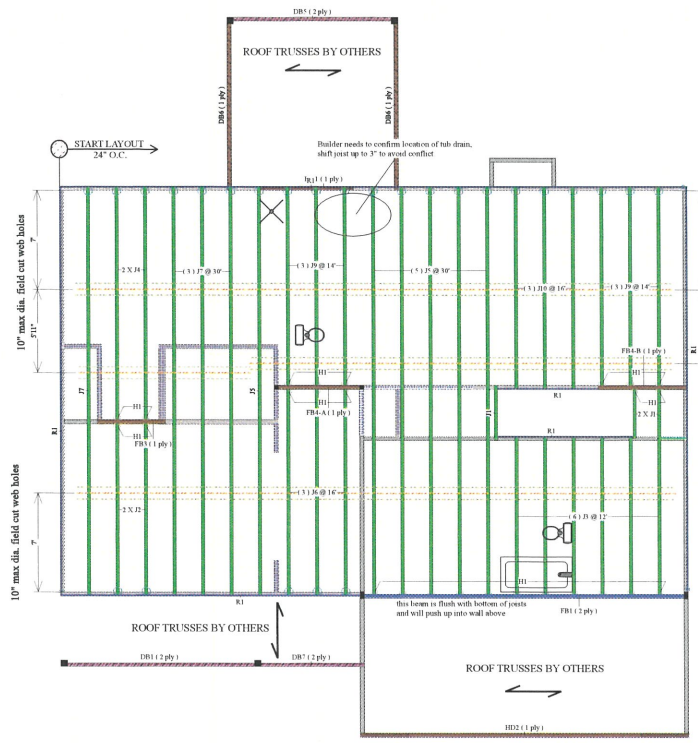
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
L19A	LPI-LVL 1.5S	1.5	9.75	1	1	1	12-0.0
L19B	LPI-LVL 1.5S	1.5	9.75	1	1	1	12-0.0
L19C	LPI-LVL 1.5S	1.5	11.875	1	1	1	8-0.0

Rim Board

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	LPI APA Rated OSB 1125 X 14	11.25	14	1	1	12	12-0.0

Hanger

Label	Pcs	Description	Skew	Slope	Fasteners	Supported Member
H1	26	HUS2-5614 (6mm)			12 10d	



2ND FLOOR FRAMING
SCALE: 1/4" = 1'



2160 Satellite Blvd., Suite 450
Duluth, GA 30097
888-613-5078



Dealer
84 Lumber-Fayetteville #2307
620 Belt Road
Fayetteville, NC 28301
(910) 867-9185

Project
CL2302 CP GR
Created
January 29, 2015

Layout Name
CL2302 CP GR

Description
Cavities 1 and CL2302 CP GR

Designer
Kyle Miltzer

Revised
April 06, 2020

2nd Flr Design Method
Building Code ASD (USA) IBC/IRC 2015

Floor

Loads

Dead 10

Deflection Joist

L1 Span L 480

L1 Span L 240

L1 Cant 2/ 360

L1 Cant 2/ 360

L1 Deflection Girder

L1 Span L 360

L1 Span L 240

L1 Cant 2/ 360

L1 Cant 2/ 360

Decking

Decking OSB 23-32 APA Rated Stand-1-Floor

Fastener

Nails & Glued

3.5" Non-Brq Wall

Wall Partition Wall (Non-Load-Bearing)

Wall Opening LPI APA Rated OSB 1125 X 14

LPI 20Flr 14

LPI-LVL 1.5S 3.5 X 9.25 (Dropped)

LPI-LVL 1.5S 3.5 X 11.875 (Dropped)

LPI-LVL 1.5S 3.5 X 14

LPI-LVL 2800B-2-0 1.75 X 24

LPI-LVL 1.5S 3.5 X 9.25 (Dropped)



ORDER: Order #

**THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY.
REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.**

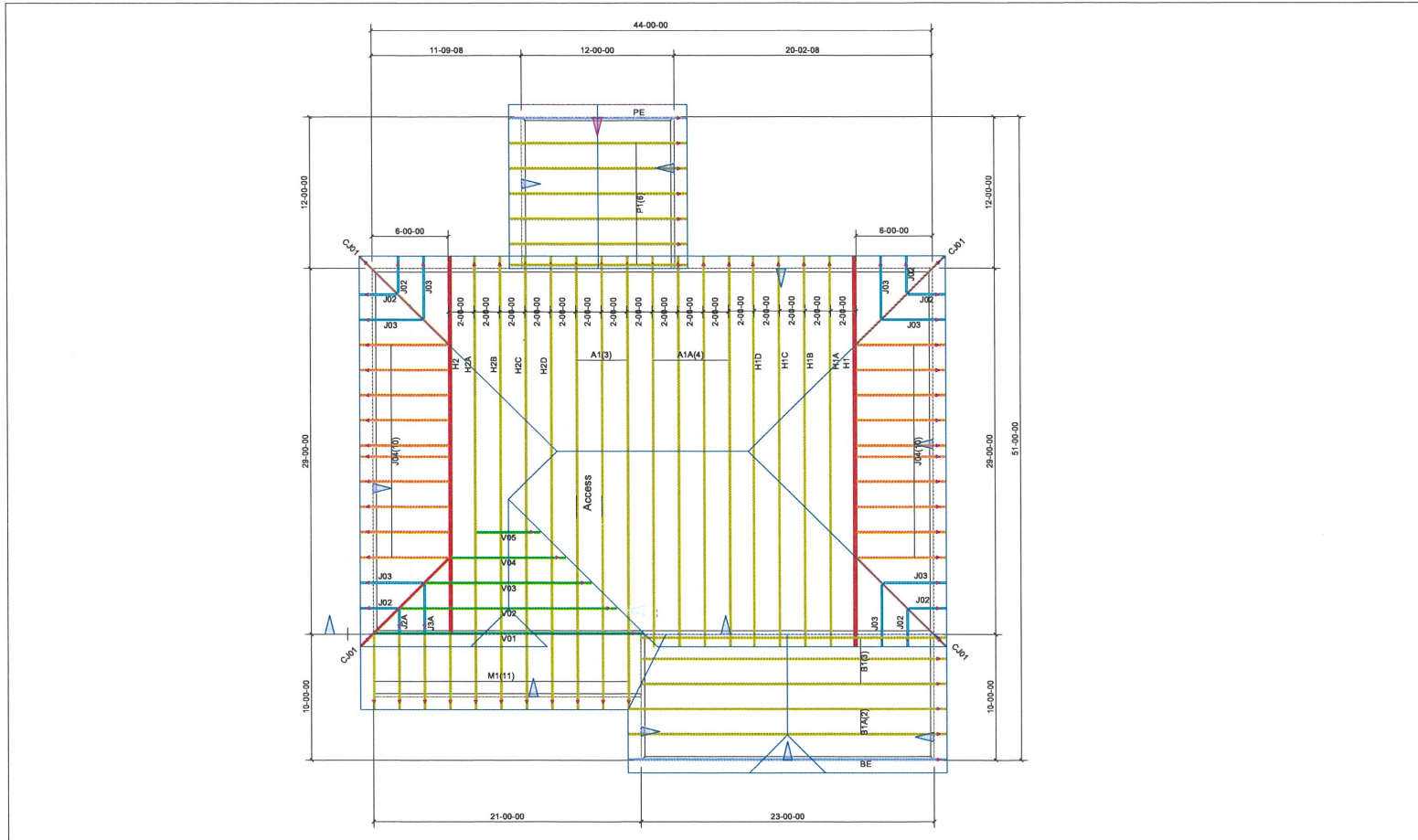
GENERAL NOTES:

DO NOT CUT OR MODIFY TRUSSES.

TRUSSES ARE SPACED 24" ON CENTER UNLESS NOTED OTHERWISE.

REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.

PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLACEMENT PLAN RECOMMENDS TRUSSES TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.



Hardware List:

A	4	THJA26
B	-	-
C	-	-
D	-	-
-	-	-
-	-	-
-	-	-

ROOF LOADING:

TOP LIVE: 20 PSF

TOP DEAD: 10 PSF

BOTTOM DEAD: 10 PSF

WIND SPEED: 115 MPH



DEDICATED TO QUALITY AND EXCELLENCE
200 EMMETT ROAD
DUNN, NORTH CAROLINA 28334
PHONE: 910-892-8400

PROJECT:

CUSTOMER:

Caviness Land
CL2302 CP GOR

MODEL:

SCALE:

NOT TO SCALE

P.O. NUMBER:

PO #

ORDER:

Order #

DRAWN BY:

User designed roof truss

PRINT DATE:

REV:

datetime

SHIP DATE:

Schd Delivery