

Width

2.5

2.5

2.5

2.5

2.5

2.5

3.5

Width

2.5

Depth

Depth

Skew Slope

14

Qty

Qty

Depth

Qty

2nd Floor

I Joist (Flush)

Label Description

FB3 | LPI 20Plus FB2 LPI 20Plus

J7 LPI 20Plus

J4 LPI 20Plus

J6 LPI 20Plus

J3 LPI 20Plus

J5 LPI 20Plus

J1 LPI 20Plus

Label Description

DB1 LP-LSL 1.55E

HD3 LP-LSL 1.55E

Beam By Others (Dropped)

Label Description

DB3

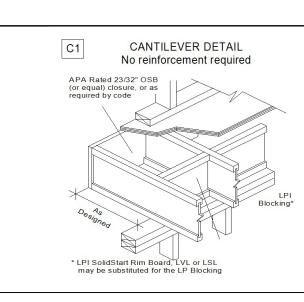
DB2

HD1

DB8 LP-LVL 2900Fb-2.0

HD2 LP-LVL 2900Fb-2.0

LVL/LSL (Dropped)



Plies

Plies

Plies

Plies

Beam/Girder

fasteners

12 10dx1 1/2

Pcs

24

6

Pcs

Pcs

Length

4-0-0

18-0-0

18-0-0

14-0-0

14-0-0

6-0-0

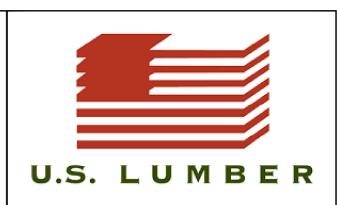
4-0-0

Length

12-0

22-0-0

Length



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





_	6	14-0-0						
2 12-0-0 2 10-0-0		12-0-0	Doolog					
		10-0-0	Dealer					
	2	10-0-0	84 Lumber-Fayetteville #2307					
	2	8-0-0	Dealer Address					
	2	4-0-0	620 Belt Road					
			Fayetteville, NC 28301					
	Pcs	Length	(910) 867-9185					
16 12-0-0		12-0-0	Project					
_			CL2977 GR CP					
	D	T 41						
Pcs Length			Created					
Varies 45-0-0		45-0-0	March 24, 2016					
	C .	13.6 1	Layout Name					
_		ed Member	CL2977 GR CP					
fasteners		teners	Description					
_			Caviness Land					
			CL2977 GR CP					
			Designer					
			Kyle Militzer					
			Revised					
			February 18, 2020					
			1					

2nd Floor

Design Method	ASD (USA
Building Code	IRC 201
Floor	
Loads	
Live	4
Dead	1
Deflection Joist	
LL Span L/	48
TL Span L/	24
LL Cant 2L/	36
TL Cant 2L/	36
Deflection Girder	
LL Span L/	36
TL Span L/	24
LL Cant 2L/	36
TL Cant 2L/	36
Decking	
Decking	OS
	23/32 APA Rated Sturo
	I-Floo
Fastener	Nailed & Glue
Legend	
Load from	om Above

	Load Holli Above
	2x4 Ext Wall
	2x4 Brg Wall
	2x4 Non-Brg Wall
	2x6 Non-Brg Wall
	Wall Opening
	LP APA Rated OSB 1.125 X 14
	LPI 20Plus 14
////	LP-LSL 1 55E 3 5 X 9 25

(Dropped)

LP-LSL 1.55E 3.5 X 9.25 LP-LVL 2900Fb-2.0E 1.75 X 9.25 (Dropped)

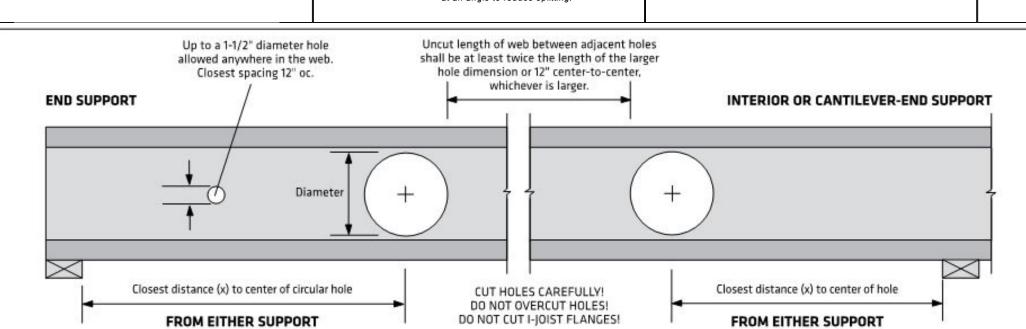
LP-LVL 2900Fb-2.0E 1.75 X 16 (Dropped) 1.5 X 9.25 (Dropped)

2ND FLOOR FRAMING

SCALE: 1/4'' = 1'







TO USE:

- Select the required series and depth.
- Determine the support condition for the nearest bearing: end support or interior support (including cantilever-end supports).
- 3. Select the row corresponding to the required Clear Span. For spans between those listed, use the next largest value.
- 4 Select the column corresponding to the required hole diameter. For diameters between those listed, use the next largest value.
- 5. The intersection of the Clear Span row and Hole Diameter column gives the minimum distance from the inside face of bearing to the center of a circular hole.
- 6. Double check the distance to the other support, using the appropriate support condition.

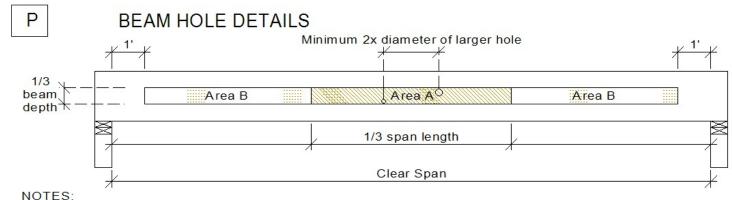
Depth	Clear Span (ft)	Distance from End Support Hole Diameter					Distance from Interior or Cantilever-End Support Hole Diameter						
		14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-0"	1'-5"	2'-7"
18'	1'-0"		1'-0"	1'-9"	3'-1"	4'-6"	-	1'-8"	2'-10"	3'-11"	5'-1"	6'-3"	-
22'	1'-5"		2'-9"	4'-1"	5'-6"	7'-0"	-	4'-2"	5'-4"	6'-5"	7'-7"	8'-9"	-
26'	3'-8"		5'-0"	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'-6"	2'-6"	3'-6"	4'-6"	5'-6"	6'-6"
	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"	6'-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"	10'-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 plf (e.g., 40 psf Live Load and 25 psf Dead Load spaced 24" oc).
- Hole location is measured from the inside face of bearing to the center of a circular hole, from the closest support.
- Clear Span has not been verified for these joists and is shown for informational purposes only! Verify that the joist selected will work for the span and loading conditions needed before checking hole location.
- 4. The maximum hole depth for circular holes is the I-joist Depth less 4", except the maximum hole depth is 6" for 9-1/2" LPI joists, and 8" for 11-7/8" LPI joists.
- Holes cannot be located in the span where designated "-", without further analysis by a design professional.

NOTES:

- 1. Holes may be placed anywhere within the depth of the joist. A minimum 1/4" clear distance is required between the hole and the flanges.
- Round holes up to 1-1/2" diameter may be placed anywhere in the web. 3. Perforated "knockouts" may be neglected when
- locating web holes. Holes larger than 1-1/2" are not permitted in
- cantilevers without special engineering. Multiple holes shall have a clear separation along the length of the joist of at least twice the length of the larger adjacent hole, or a minimum of 12"
- center-to-center, whichever is greater. Multiple holes may be spaced closer provided they fit within the boundary of an acceptable larger hole. Example: two 3" round holes aligned parallel to the joist length may be spaced 2" apart (clear distance) provided that a 3" high by 8" long rectangle or an 8" diameter round hole are acceptable for the joist depth at that location and completely encompass the holes.
- For conditions not covered in this table, use LP's design software or contact your local LP® SolidStart® Engineered Wood Products distributor for more information.



- 1. These guidelines apply to uniformly loaded beams selected from the Quick Reference Tables or the Uniform Load Tables or designed with LP's design/specification software only. For all other applications, such as beams with concentrated loads, please contact your LP® SolidStart® Engineered Wood Products distributor for assistance.
- 2. Round holes can be drilled anywhere in "Area A" provided that: no more than four holes are cut, with the minimum spacing described in the diagram. The maximum hole size is 1-1/2" for depths up to 9-1/4," and 2" for depths greater than 9-1/4."

Handling & Storage

Rectangular holes are NOT allowed.

Protect plumbing holes from moisture.

- 4. DO NOT drill holes in cantilevers without prior approval from the project designer. 5. Other hole sizes and configurations MAY be possible with further engineering analysis. For more information, contact your
- LP SolidStart Engineered Wood Products distributor. 6. Up to three 3/4" holes may be drilled in "Area B" to accommodate wiring and/or water lines. These holes shall be at least
- 12" apart. The holes shall be located in the middle third of the depth, or a minimum of 3" from the bottom and top of the beam. For beams shallower than 9-1/4", locate holes at mid-depth.
- 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.

erectors are allowed on the structure.

content in lumber will not exceed 16%.

• 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 drv. covered and well ventilated interior conditions in which the equivalent moisture

• All rim joists, blocking, connections and temporary bracing must be installed before

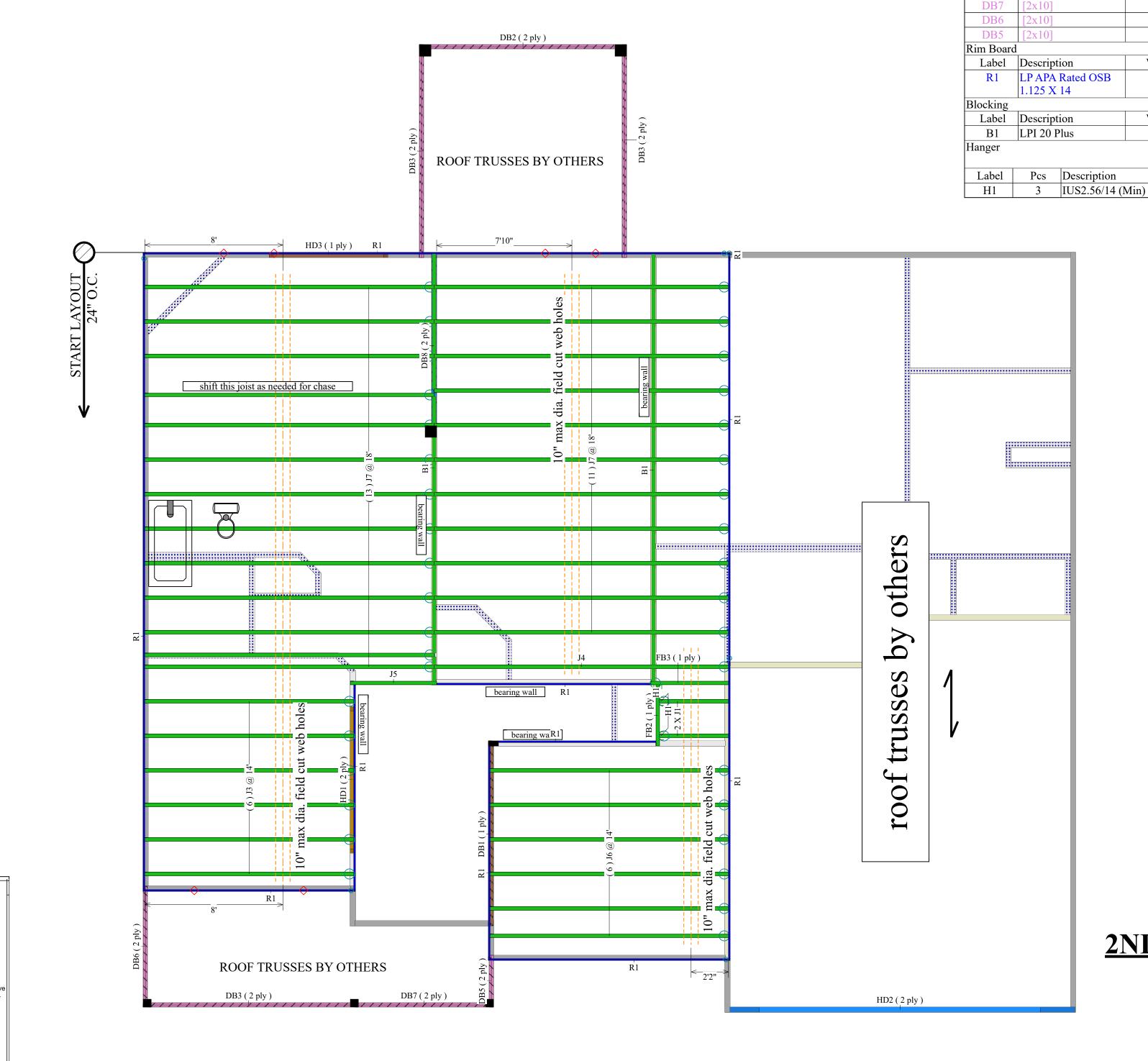
LP SolidStart LSL beams dry. Unload products carefully by lifting. Support the bundles to reduce excessive bowing. Individual products should be handled in a manner which prevents physical damage during measuring, cutting, erection, etc. I-Joists should be handled vertically and not flatwise. Keep stored in wrapped and strapped bundles. stacked no more than 10' high. Support and separate bundles with 2 x 4 (or larger) stickers spaced no more than 10' apart. Keep stickers in line vertically. Product must not be stored in contact with the ground, or have prolonged exposure to the weather. Use forklifts and cranes carefully to avoid damaging product. Do not use visually damaged product. Call your local LP SolidStart Engineered Wood

Products distributor for assistance when damaged

products are encountered.

Keep LP SolidStart I-Joists, LP SolidStart LVL &

Hard, dry, level surface



This layout is to be used as an installation guide only. It is meant to be used in conjunction with the architectural and structural drawings, not to replace them