

GENERAL NOTES:

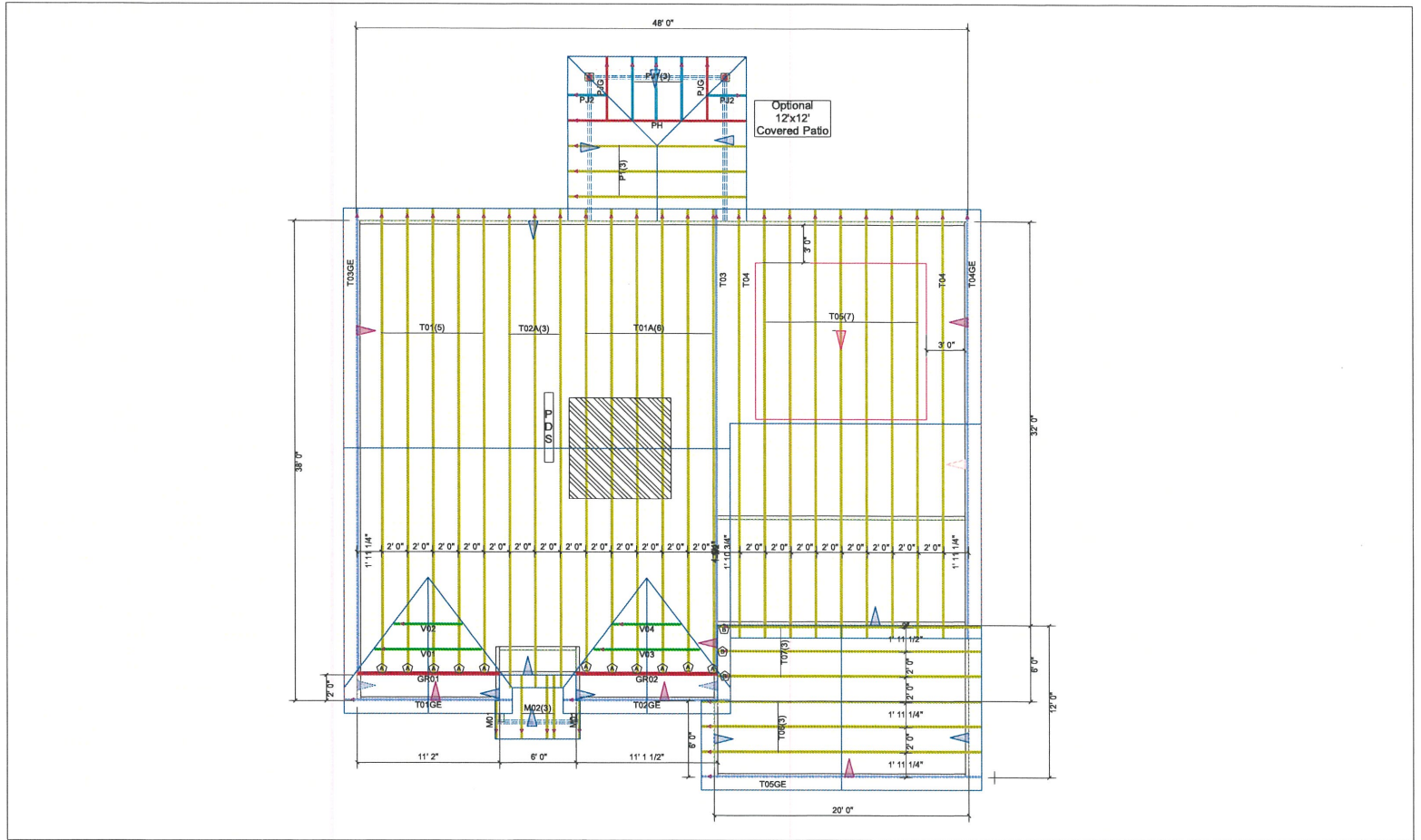
DO NOT CUT OR MODIFY TRUSSES.
TRUSSES ARE SPACED 24" ON CENTER UNLESS NOTED OTHERWISE.

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 TRUSS 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.

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

ORDER: **Order #**



Hardware List:		
A	11	HUS26
B	3	LUS26
C	-	-
D	-	-
-	-	-
-	-	-
-	-	-

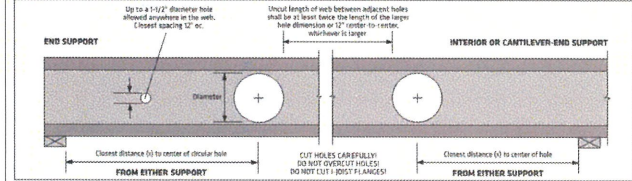
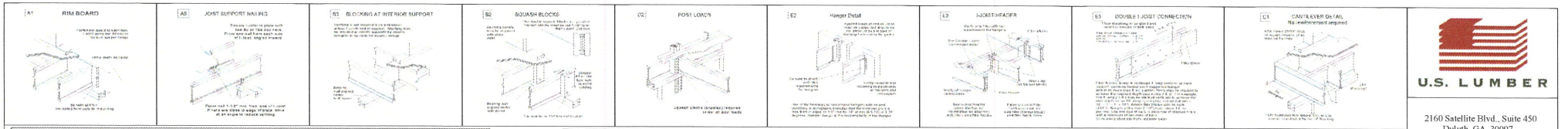
ROOF LOADING:
TOP LIVE: 20 PSF
TOP DEAD: 10 PSF
BOTTOM DEAD: 10 PSF
WIND SPEED: 115 MPH



84 LUMBER COMPONENTS

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

PROJECT:	CL-3145 CP		
CUSTOMER:	Caviness Land		
MODEL:	CL 3145 CP GOR		
SCALE:	NOT TO SCALE	P.O. NUMBER:	PO #
DRAWN BY:	RE	PRINT DATE:	Approved
REV:		SHIP DAY:	Order #



TO USE:

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

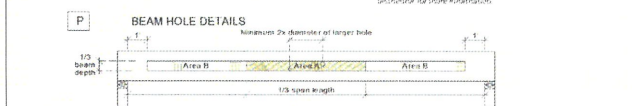
Depth	Clear Span (ft)	Distance from End Support						Distance from Interior or Cantilever-End Support					
		2"	4"	6"	8"	10"	12"	2"	4"	6"	8"	10"	12"
14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-5"	2'-0"	3'-0"	-
	18'	1'-0"	1'-0"	1'-5"	2'-1"	4'-6"	-	1'-8"	2'-10"	3'-11"	5'-1"	6'-3"	-
	22'	1'-5"	2'-9"	4'-1"	6'-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"	14'	1'-0"	1'-0"	1'-4"	2'-5"	3'-7"	4'-11"	1'-6"	2'-6"	3'-6"	4'-6"	5'-6"	6'-6"
	18'	1'-4"	2'-5"	3'-6"	4'-8"	6'-1"	7'-5"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	22'	3'-4"	4'-8"	5'-11"	7'-2"	8'-7"	10'-1"	6'-4"	7'-6"	8'-6"	9'-6"	10'-6"	11'-9"
	26'	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 those joists supporting only uniform loads. The total uniform load shall not exceed 130 psf (e.g., 40 psf Live Load and 25 psf Dead Load spaced 24" oc).
- Hole location is measured from the inside face of joist to the center of a circular hole, from the center 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 for each joist application.
- The maximum hole depth for circular holes is the Joist Depth less 4", except the maximum hole depth is 5" for 3-1/2" LPI joists, and 6" for 3-7/8" LPI joists.
- Holes cannot be located in the span where designated "X", without further analysis by a design professional.

NOTES:

- 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.
- Perforated "squares" may be neglected when fastening over holes.
- Holes larger than 1 1/2" are not permitted in cantilevers without special engineering.
- Multiple holes that 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.
- Joist edges may be repaired using epoxy resin that fills within the topography of an acceptable large hole. Example: Two (2) round holes adjacent parallel to the joist length may be spaced 2" apart (clear distance) provided that a 3" high by 3" long wedge of epoxy resin is placed at each hole location and completely encloses the hole.
- For conditions not covered in this table, use LPI's design software or contact your local LPI distributor/Engineered Wood Products distributor for more information.



NOTES:

- The guidelines apply to uniformly loaded beams supported from the Outside Bottom Tubes or the Uniform Load Tables or designed with LPI's design/specification software only. For all other applications, such as beams with non-uniform loads, please contact your LPI distributor/Engineered Wood Products distributor for more information.
- Round holes can be drilled anywhere in Area A, provided that no hole has four holes or 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".
- Rectangular holes are NOT allowed.
- DO NOT drill holes in cantilevers without prior approval from the product designer.
- Clear hole size and configurations MAY be possible with further engineering analysis. For more information, contact your LPI distributor/Engineered Wood Products distributor.
- Up to three 2x4" 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 2" from the bottom and top of the beam. If for beams shallower than 9 1/4", locate holes at mid depth.
- Protect plumbing holes from rodents.

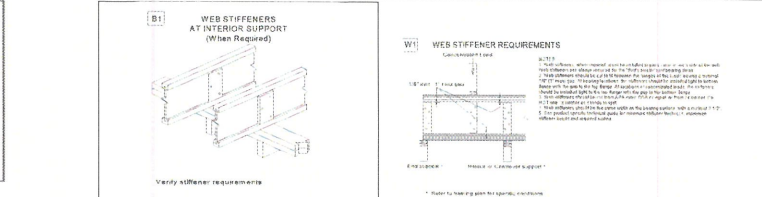
Important Notes: WALKWAY 74 shows a follow proper procedure for handling, storage and installation. Avoid areas in unapproved performance areas.

These innovations are offered as a guide to good practice in the handling, storage and installation of LPI products. They are, however, only general recommendations and, in some instances, other or additional provisions may be desirable. In all cases, the user should refer to the manufacturer's literature for the entire building.

The use of these innovations requires the following products and minimum that components and details have been approved for use by:

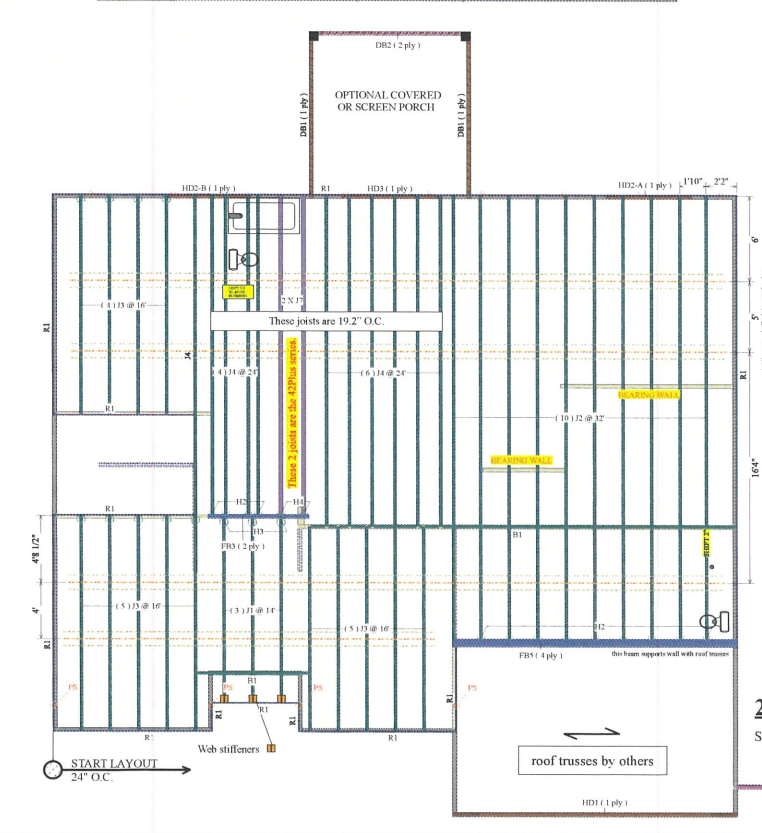
- Consult your LPI distributor for LPI products and LPI distributor/Engineered Wood Products distributor for assistance.
- All fasteners, blocking, connections and temporary bracing must be installed before erection or removal of the innovation.
- No holes or other modifications to the innovation are to be made on the structure.
- After shoring, do not overload areas with construction materials exceeding design loads.
- LPI distributor/Engineered Wood Products distributor for assistance.

Consult your LPI distributor/Engineered Wood Products distributor for assistance.



WEB STIFFENER REQUIREMENTS

Series	Depth	Minimum Thickness	Maximum Height	Nail Size*	Nail Qty
LPI 1B LPI 20Plus LPI 32Plus	3-1/2"	23/32"	6-3/8"	8d (2-1/2")	3
	11-3/8"	23/32"	8-3/4"	8d (2-1/2")	3
	14"	23/32"	10-7/8"	8d (2-1/2")	3
	16"	23/32"	12-7/8"	8d (2-1/2")	3



2nd Flr Joist (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J2	LPI 32Plus	2.5	16	10	1	10	42'-0"
J4	LPI 32Plus	2.5	16	11	1	11	24'-0"
J3	LPI 42Plus	2.5	16	14	1	14	16'-0"
J1	LPI 32Plus	2.5	16	3	1	3	14'-0"
J7	LPI 42Plus	5.2	16	2	1	2	24'-0"

EXT. LVL (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
EXT1	LPI-VL 2000B 1x2-0B	1.75	16	1	4	1	26'-0"
EXT2	LPI-VL 2000B 1x2-0B	1.75	16	1	2	2	34'-0"

EXT. LVL (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
EXT3	LPI-VL 1.55E	3.5	9.25	2	1	2	12'-0"
EXT4	LPI-VL 1.55E	3.5	9.25	1	1	1	6'-0"
EXT5	LPI-VL 1.55E	3.5	9.25	1	1	1	6'-0"
EXT6	LPI-VL 1.55E	3.5	11.875	1	1	1	26'-0"

Beam Joists (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
BEAM1	LPI-VL 2000B 1x2-0B	1.75	16	1	1	1	12'-0"
BEAM2	LPI-VL 2000B 1x2-0B	1.75	16	1	2	2	12'-0"

Rim Board

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
RB1	LPI APA Rated OSB 1.125 X 16	1.125	16	1	1	15	12'-0"

Blocking

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
BL1	LPI 32 Plus	2.5	16	1	1	1	34'-0"

Hanger

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
H2	3 IUS2.56-16 (Max)	3	16	10d	2	10d	1-2
H3	13 IUS2.56-16 (Min)	13	16	14	10d	14	10d
H4	2 IUS3.56-16 (Max)	2	16	10d	2	10d	1-2

Support Member

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
S1	2x4	3.5	5.5	1	1	1	12'-0"
S2	2x4	3.5	5.5	1	1	1	12'-0"



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



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

Project
CL3145 GR-CPCT
Created
February 18, 2016
Layout Name
CL3145 GR-CPCT
Description
Caviness 1 and
CL3145 GR-CPCT
Designer
Kate Blittler
Revised
August 26, 2020
2nd Flr
Design Method ASD (USA)
Building Code IRC 2012
Floor
Live 40
Dead 10
Deflection Joist
L1 Span L1 280
L1 Span L2 480
L1 Cam 2/1 360
L1 Cam 2/1 360
Deflection Girder
L1 Span L1 360
L1 Span L2 240
L1 Cam 2/1 360
L1 Cam 2/1 360
Decking
OSB
23/32 APA Rated Stund-
1-Floor
Fastener Nailed & Glued
Legend
Point Load Support
Load from Above
2x4 Ext Wall
2x4 Brg Wall
2x4 Non-Brg Wall
2x6 Non-Brg Wall
2x6 Brg Wall
3.5" Ext Wall
Wall Opening
LPI APA Rated OSB 1.125 X 16
LPI 32Plus 16
LPI 42Plus 16
LPI-VL 1.55E 3.5 X 9.25
LPI-VL 1.55E 3.5 X 11.875
LPI-VL 2000B 1x2-0B 1.75 X 16
LPI-VL 2000B 1x2-0B 1.75 X 16

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

