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Project
CL3048 GR CP CT

Created
March 30, 2015

Layout Name
CL3048 GR CP CT

Description
Cypress Land
CL3048 GR CP CT

Designer
Kyle Miltzer

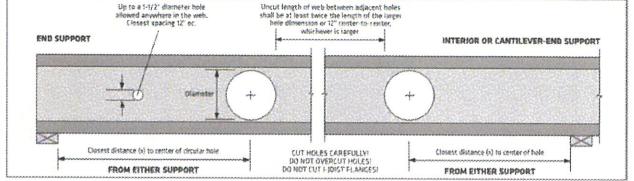
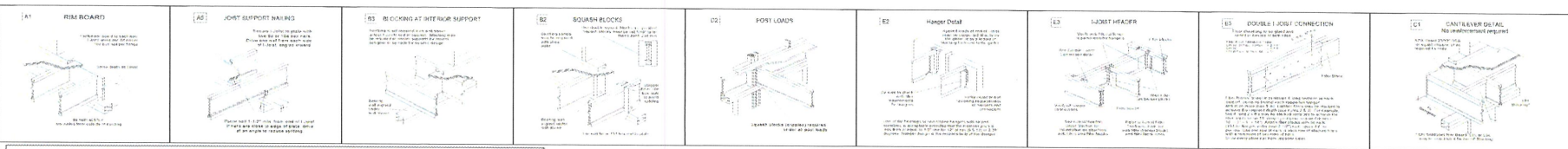
Revised
March 26, 2020

2nd Floor	Design Method	ASD (USA)
	Building Code	IRC 2012
5	Floor	
40	Live	
10	Deflection Joist	
480	LL Span L	
240	LL Span 1/2	
360	LL Cant 2L	
360	TL Cant 2L	
360	Deflection Girder	
360	LL Span L	
240	LL Span 1/2	
360	LL Cant 2L	
360	TL Cant 2L	
360	Decking	
	23/32 APA Rated Stud-1-Floor	
	Nailed & Glued	

Legend	Load from Above
	3.5" Non-Ins Wall
	Wall
	Partition Wall (Non-Load-Bearing)
	LP APA Rated OSB 1.125 X 14
	LP 20Plus 14
	LP LSL 1.5SE 3.5 X 9.25
	(Dropped)
	LP LSL 1.5SE 3.5 X 11.875
	(Dropped)
	LP LSL 1.5SE 3.5 X 14
	LP LVL 2900FB-2.0E 1.75 X 14
	1.5 X 9.25 (Dropped)

2ND FLOOR FRAMING

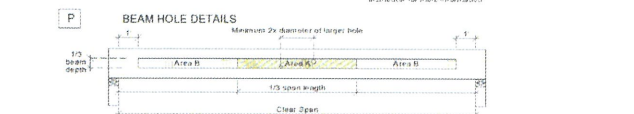
SCALE: 1/4" = 1'



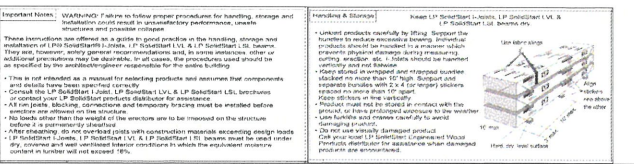
- TO USE:**
- Select the required table, and design.
 - Determine the support condition for the nearest bearing or support or interior support (including cantilever end supports).
 - Select the row corresponding to the required Clear Span. For spans between those listed, use the next largest value.
 - 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 bearing to the center of a circular hole.
 - Double check the table to the other support, using the appropriate support condition.

Depth	Clear Span (ft)	Distance from End Support						Distance from Interior or Cantilever-End Support					
		Hole Diameter						Hole Diameter					
14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-0"	1'-5"	2'-2"	3'-9"	-
	18'	1'-0"	1'-0"	1'-5"	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'-8"	3'-6"	4'-8"	5'-6"	6'-8"
	22'	1'-4"	2'-5"	3'-6"	4'-8"	6'-0"	7'-4"	4'-0"	5'-2"	6'-0"	7'-2"	8'-0"	9'-2"
	26'	3'-6"	4'-8"	5'-11"	7'-2"	8'-7"	10'-1"	6'-6"	7'-8"	8'-6"	9'-8"	10'-6"	11'-8"
	30'	5'-9"	7'-0"	8'-4"	9'-9"	11'-3"	12'-10"	9'-0"	10'-2"	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 stable 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.
 - The maximum hole depth for circular holes is the joist depth less 4", except the maximum hole depth is 6" for 3-1/2" (R) joists, and 8" for 10-7/8" (R) 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 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 in the web.
 - Perforated "steels" may be neglected when making web holes.
 - Holes larger than 1 1/2" are not permitted in capstems 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.
 - Rectangular 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 (center 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 encloses the holes.
 - For conditions not covered in this table, use LP's design software or contact your local LP Sales/Engineered Wood Products Distributor for more information.



- NOTES:**
- These guidelines apply to uniformly loaded beams supported from the Girder Reference Tables in the Uniform Load Tables or designed with LP's design optimization software only. For all other applications, such as beams with concentrated loads, please contact your LP Sales/Engineered Wood Products distributor for assistance.
 - 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 3' 1/4", and 2" for depths greater than 3' 1/4".
 - Rectangular holes are NOT allowed.
 - NO NOT drill holes in cantilevered joists without prior approval from the project designer.
 - Other hole sizes and configurations MAY be possible with further engineering analysis. For more information, contact your LP Sales/Engineered Wood Products distributor.
 - For three 3/4" holes may be drilled in "Area B" to accommodate wiring and/or resistor 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 27" from the bottom and top of the beam. For beams shallower than 9'-1/4" inside holes at mid-depth.
 - Prevent splintering holes from protruding.



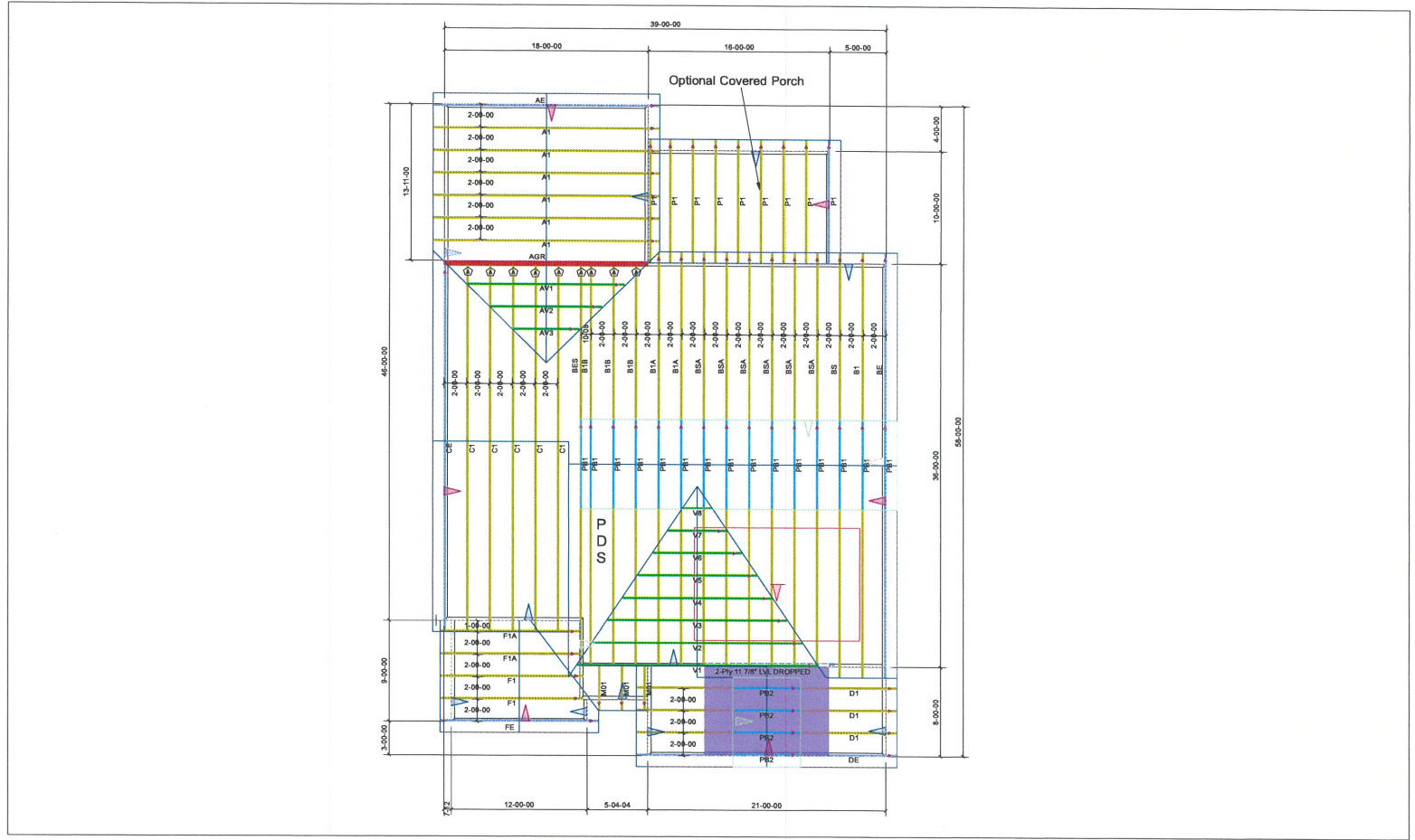
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GENERAL NOTES:

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 TP1 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	9	HUS26
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:	CL-3034 CP		
CUSTOMER:	Caviness Land		
MODEL:	CL 3034 W/CP GOR		
SCALE:	NOT TO SCALE	P.O. NUMBER:	PO #
DRAWN BY:	User designed roof truss	REV:	SHIP DATE:
			Order # Schd Delivery