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Project
CL2310 CP GR CT

Created
October 01, 2014

Layout Name
CL2310 CP GR CT

Description
Cecevas Land
CL2310 CP GR CT

Designer
Kyle Miltzer

Revised
April 24, 2020

2nd Floor
Design Method
ASD (USA)

Building Code
IBCIRC 2015

Floor
Load

Live 40

Dead 10

Deflection Joist 480

LL Span L 240

TL Cant 2L 360

Deflection Girder 360

LL Span L 360

TL Span L 240

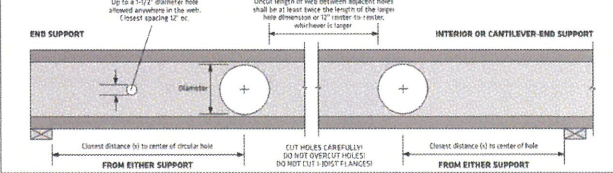
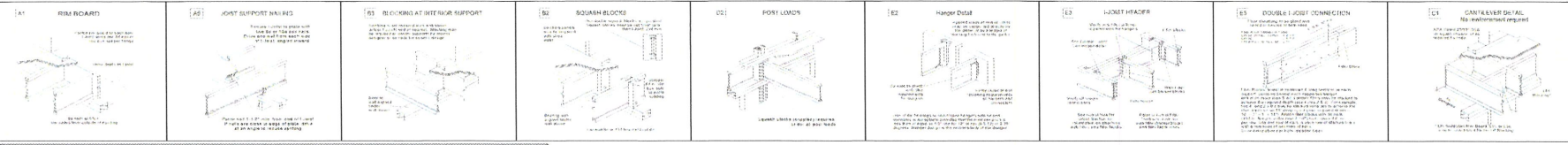
LL Cant 2L 360

TL Cant 2L 360

Decking
OSB
23/32 APA Rated Shear-
1/8 Floor

Fastener
Nailed & Glued

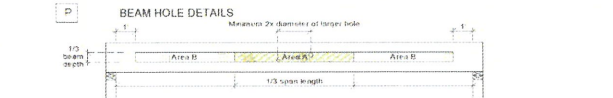
Legend
Point Load Support
Load from Above
3.5" Non-Ins Wall
5.5" Non-Ins Wall
Wall
Partition Wall (Non-Load-Bearing)
Wall Opening
LP APA Rated OSB 1.125 X 14
LP 20F14
LP 32F14
LP 4.5L 1.55E 3.5 X 9.25
(Dropped)
LP 4.5L 1.55E 3.5 X 9.25
LP 4.5L 1.55E 3.5 X 11.875
(Dropped)
LP 4.5L 2.900F8-2.0E 1.75 X 14
LP 4.5L 2.900F8-2.0E 1.75 X 20
1.5 X 9.25 (Dropped)



- TO USE:
1. Select the required raster and depth.
2. Determine the support condition for the nearest bearing end support or interior support (including cantilever end supports).
3. Select the raster corresponding to the required Clear Span for spans between those raster. Use the next largest value.
4. Select the column corresponding to the required hole diameter. For diameters between those raster, use the next largest value.
5. The intersection of the Clear Span raster 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.

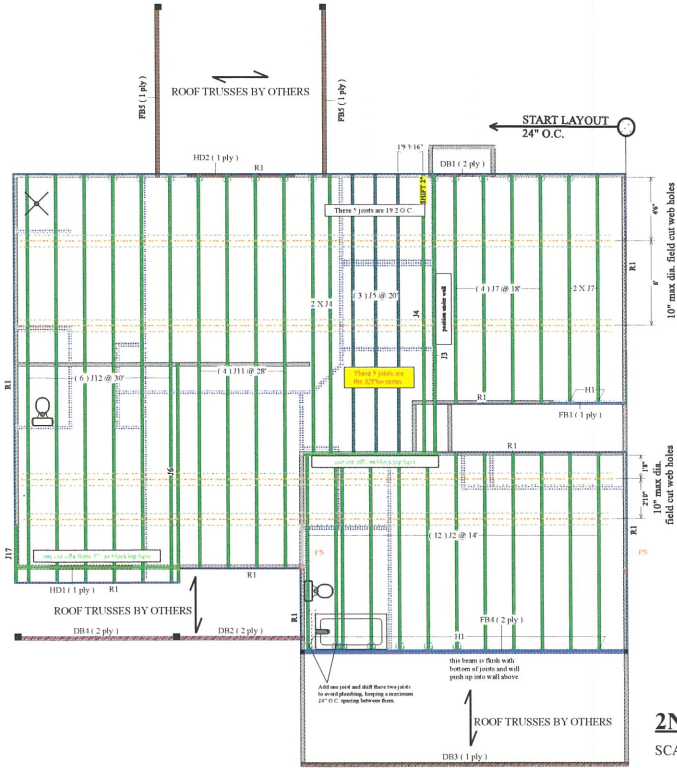
Table with columns: Depth, Clear Span (ft), Distance from End Support Hole Diameter, Distance from Interior or Cantilever-End Support Hole Diameter. Rows for 14' and 16' depths.

- DESIGN ASSUMPTIONS:
1. The hole locations listed above are valid for floor joists supporting only uniform loads.
2. Hole location is measured from the inside face of bearing to the center of a circular hole.
3. Clear Span raster has not been verified for these joists.
4. The necessary hole depths for circular holes in the joist depth less 4".
5. Holes cannot be located in the span where design professional.



- NOTES:
1. Holes may be placed anywhere within the depth of the joist.
2. Holes larger than 1 1/2" are not permitted in cantilevers without special engineering.
3. Multiple holes shall have a clear separation along the length of the joist of at least twice the length of the larger adjacent hole.
4. Holes shall not be spaced closer than 12" to the center of either hole.
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- Important Notes:
1. Verify that the joist is supported by the correct foundation.
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Material schedules for 2nd Floor Joist (Flush), LVL J.S.I. (Flush), LVL J.S.I. (Dropped), Beam By Others (Dropped), Rim Board, and Hanger. Columns include Label, Description, Width, Depth, Qty, Piles, Pcs, Length.

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

