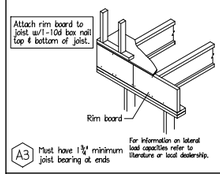
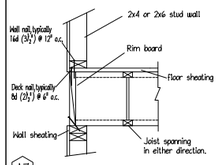
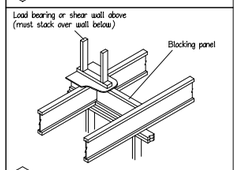


A3 Must have 1 ¾" minimum joist bearing at ends

For information on lateral load capacities refer to literature or local dealership.

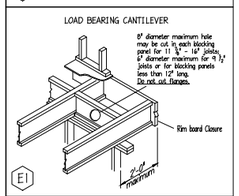


A7

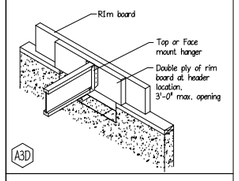


B1

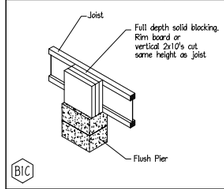
LOAD BEARING CANTILEVER



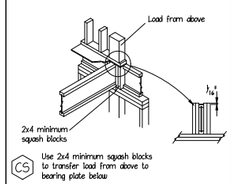
E1



A3D



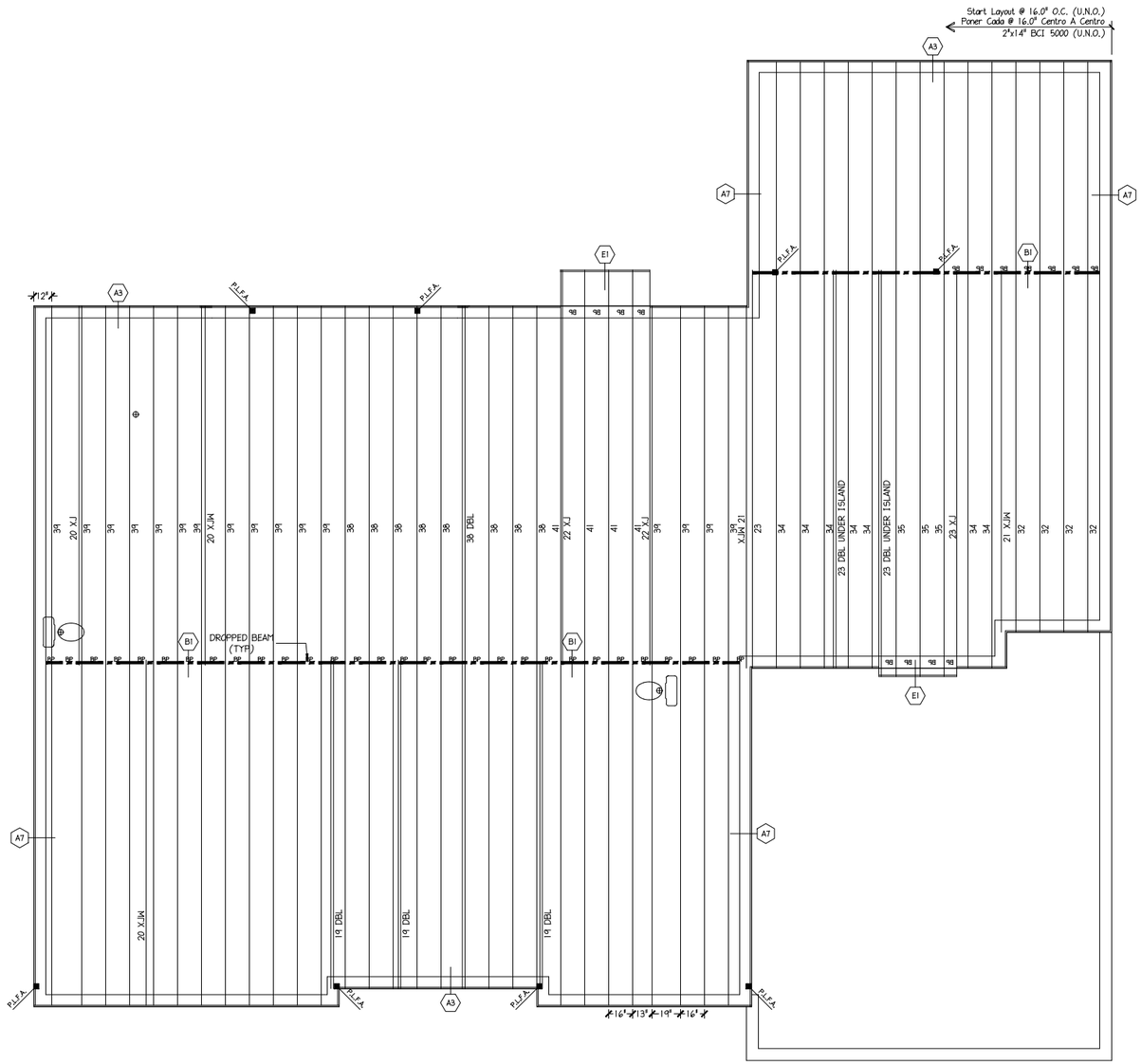
B1C



C5 Use 2x4 minimum squash blocks to transfer load from above to bearing plate below

FRAMER NOTE !!!!!!!!

SOLID BLOCKING SHOULD BE PROVIDED FOR ALL POINT LOADS WITHIN THIS STRUCTURE DOWN TO THE FOUNDATION. REFER TO STRUCTURAL PLAN FOR ALL POINT LOADS.



1ST FLOOR I-JOIST PLACEMENT PLAN

CARUSO HOMES - LOT 79 NC 1 - LEXINGTON II

ENGINEERED WOOD MATERIAL LIST

CARUSO HOMES

LOT 79 NC 1 - LEXINGTON II

1ST FLOOR I-JOIST PLACEMENT PLAN

MARK	QTY	CUT LENGTH	DESCRIPTION
19	6	19'-0"	2" x 14" BCI 5000
20	3	20'-0"	2" x 14" BCI 5000
21	2	21'-0"	2" x 14" BCI 5000
22	2	22'-0"	2" x 14" BCI 5000
23	6	23'-0"	2" x 14" BCI 5000
32	4	32'-0"	2" x 14" BCI 5000
34	7	34'-0"	2" x 14" BCI 5000
35	3	35'-0"	2" x 14" BCI 5000
38	10	38'-0"	2" x 14" BCI 5000
39	16	39'-0"	2" x 14" BCI 5000
41	4	41'-0"	2" x 14" BCI 5000 [Total 2037']

ACCESSORIES & OTHER MATERIALS (Simpson Hangers)

ITEM	QTY	UNIT	DESCRIPTION
14" Rim	234	LF	1"x14" Rim 20 pcs@12' or 15 pcs@16'
BP	45	1'-2"	14" Blocking Panel [Total 90']
BCLAYOUT	1	PCS	BCI Placement Layout
BCGUIDE	1	PCS	BCI Installation Guide

SEE MATERIAL LIST FOR DEPTH, SERIES & LENGTH

30 ———	INDICATES I-JOIST
TJI ———	INDICATES TIMBERSTRAND HDR, LSL
PSL ———	INDICATES PICO-LAM, LVL
P.S.P. ———	INDICATES PARALLAM, PSL
G.P. ———	INDICATES GLUE-LAM

B1 INDICATES A SECTION FROM THE INSTALLATION GUIDE DETAIL IS ALSO SHOWN ON THIS SHEET

L.B.W.A.	LOAD BEARING WALL ABOVE
B.B.O.	BEAM BY OTHERS
EXTRA	EXTRA JOIST ADDED
X.W.	EXTRA JOIST (1) UNDER WALL
DBL	DOUBLE JOIST (2)
TRPL	TRIPLE JOIST (3)
BP	I-JOIST BLOCKING PANEL
R.IM	RIM BOARD OR MIN BOARD
P.L.F.A.	CONCENTRATED POINT LOAD FROM ABOVE
DROP BEAM	
FLUSH BEAM	

THIS SHOP DRAWING IS BASED ON THE FOLLOWING

PROJECT LOCATION :
PROJECT NUMBER :
ARCHITECT DWGS BY :
ARCH DWGS DATE :
ARCH LATEST REVISION :
CHECKED BY :
DATE :
STRUCTURAL REVIEW BY :
DATE :

REV	BY	DATE / DESC.
SD	SUM	9/6/22

DESIGN DATA

LIVE 40 PSF
DEAD 10 PSF
TOTAL LOAD = 50 PSF

STRESS DURATION = 100%
DEFLECTION CRITERIA : (L/480)

Builders FirstSource
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6 9/6/22 SD SUM ADDED I-JOIST BLOCKING PANEL (CONSULTANT APPROPRIATE BLOCK FOR SHOP DWGS)
5 8/30/22 SD SUM ADDED I-JOIST BLOCKING PANEL
4 8/23/22 SD SUM ADDED I-JOIST BLOCKING PANEL
3 8/22/22 SD SUM ADDED I-JOIST BLOCKING PANEL
2 8/22/22 SD SUM ADDED I-JOIST BLOCKING PANEL
1 8/22/22 SD SUM ADDED I-JOIST BLOCKING PANEL
NO DATE BY REVISION
DESIGNED FOR 2-JOIST BEYOND (MIN.)
ALL FLOOR SHEATHING TO BE GLUED AND NAILED TO I-JOIST PERIMETER FRAMING.
FLOOR SHEATHING TO BE GLUED AND NAILED TO I-JOIST PERIMETER FRAMING PER APA.
CONCRETE FLAT FLOORS SHALL BE SUPPORTED BY THE CONCRETE OR MASONRY WALLS OR BEAMS DESIGNED BY THE ENGINEER OF RECORD FOR THE BUILDING.
BUILDER TO VERIFY LOCATION OF PLUMBING DROPS AND SHAFT. JOISTS & FOOTPRINT OF 2 HACKS.
ALL BUILDING DESIGNS ARE BASED ON THE INFORMATION PROVIDED BY THE CUSTOMER. IT IS THE RESPONSIBILITY OF THE BUILDER TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE START OF CONSTRUCTION.
ALL BUILDING DESIGNS ARE WATER TIGHTING TO BEAM OR LOAD BEARING WALLS OR BEAMS DESIGNED TO SUPPORT ROOF LOADS.
TO ATTACH DECK LEDGER, USE ADEQUATE SAND BOARD PER MANUFACTURERS' RECOMMENDATION.

BUILDER: CARUSO HOMES
MODEL: LOT 79 NC 1 - LEXINGTON II
1ST FLOOR I-JOIST PLACEMENT PLAN
TIME: THURSDAY, 29 SEPTEMBER 2022 - 7:10 AM
FILE: I:\...ACAD\DWG\CARUSO HOMES\LEXINGTON II - LOT 79 NC 1.DWG

DRAWN BY: NJH DATE: 2/11/22

SHEET: 1 OF 2 SHEETS

I-Joists

12BCI4500 = 12TJI110
12BCI5000 = 12TJI210
14BCI4500 = 14TJI110
14BCI5000 = 14TJI210
14BCI6000 = 14TJI230
16BCI5000 = 16TJI210
16BCI60 = 16TJI360

POINT LOAD FROM ABOVE (P.L.F.A.)

P.L.F.A. USE SOLID BLOCKING TO TRANSFER LOAD FROM ABOVE TO FOUNDATION

SCALE: 1/4" = 1'-0" 0 5' 10'