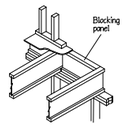
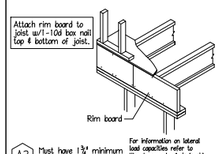
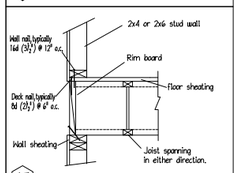


A1



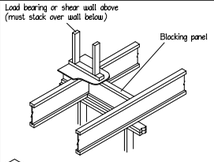
A3 Must have $1\frac{3}{4}$" minimum joist bearing at ends

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



A7

Load bearing or shear wall above (must stack over wall below)

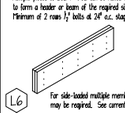


B1

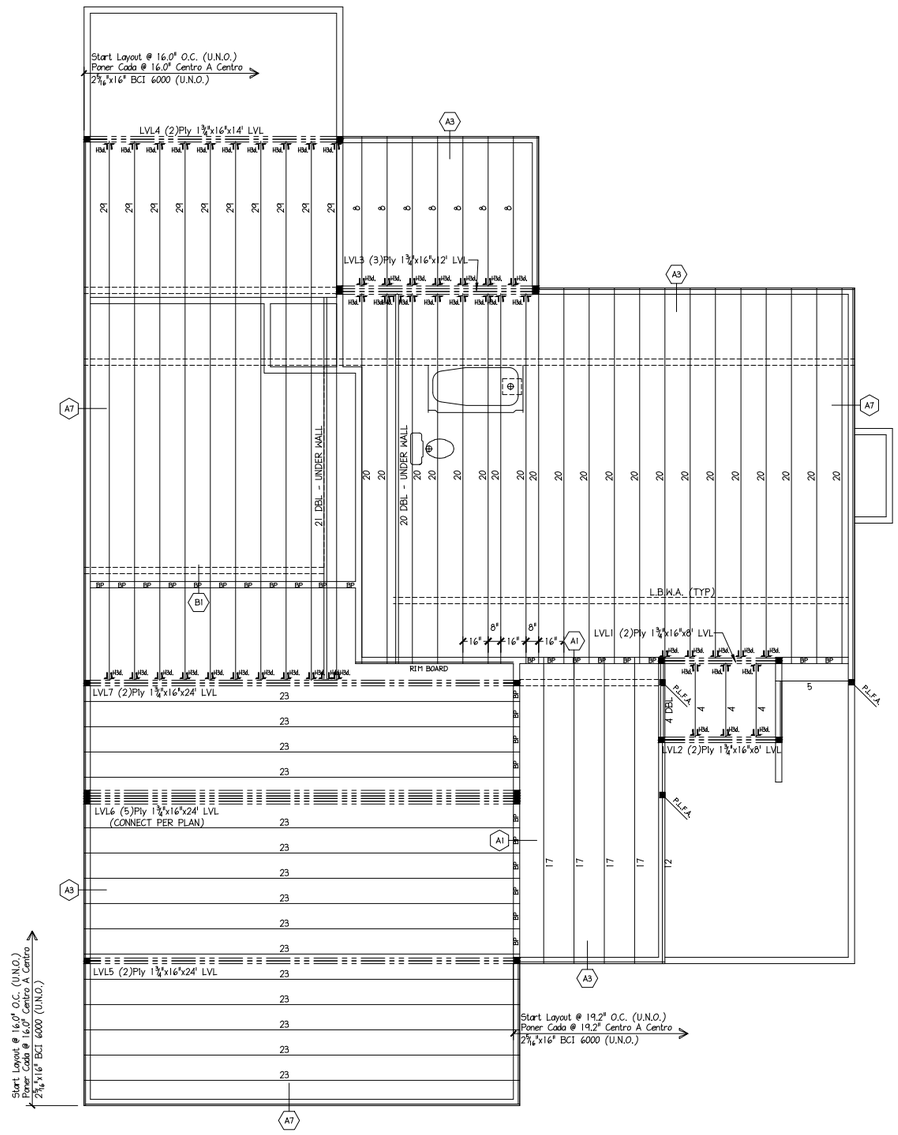
CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS

LVL & PSL ($1\frac{3}{4}$" Width Pieces)

- Minimum of 2 rows 16d ($3\frac{1}{2}$") nails at 12" o.c.
- Minimum of 3 rows 16d ($3\frac{1}{2}$") nails at 12" o.c. for 14", 16", 18" beams.
- Multiple pieces of LVL & PSL can be nailed or bolted together to form a header or beam of the required size, up to a maximum width of 7 inches. Minimum of 2 rows $\frac{1}{2}$" bolts at 24" o.c. staggered.



L6 For side-loaded multiple member beams, additional nailing or bolting may be required. See current Joist literature.



2ND FLOOR I-JOIST PLACEMENT PLAN

JORDAN BUILT HOMES - HAYES

ENGINEERED WOOD MATERIAL LIST

JORDAN BUILT HOMES

HAYES

2ND FLOOR I-JOIST PLACEMENT PLAN

MARK	QTY	CUT LENGTH	DESCRIPTION
4	5	4'-0"	$2\frac{5}{16}$" x 16" BCI 6000
5	1	5'-0"	$2\frac{5}{16}$" x 16" BCI 6000
8	7	8'-0"	$2\frac{5}{16}$" x 16" BCI 6000
12	1	12'-0"	$2\frac{5}{16}$" x 16" BCI 6000
17	4	17'-0"	$2\frac{5}{16}$" x 16" BCI 6000
20	23	20'-0"	$2\frac{5}{16}$" x 16" BCI 6000
21	2	21'-0"	$2\frac{5}{16}$" x 16" BCI 6000
23	15	23'-0"	$2\frac{5}{16}$" x 16" BCI 6000
29	10	29'-0"	$2\frac{5}{16}$" x 16" BCI 6000 (Total 1298')

BEAMS AND HEADERS

LVL	1	24'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)
LVL1	2	8'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)
LVL2	2	8'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)
LVL3	3	12'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)
LVL4	2	14'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)
LVL5	2	24'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)
LVL6	4	24'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)
LVL7	2	24'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)

ACCESSORIES & OTHER MATERIALS (Simpson Hangers)

ITEM	QTY	UNIT	DESCRIPTION
16" Rim	157	LF	1"x16" Rim 14 pcs@12' or 10 pcs@16'
BP	18	1'-1 5/8"	16" Blocking Panel
BP	11	1'-1 3/4"	16" Blocking Panel (Total 58')
H4d	2	PCS	MIU4.75/16 Double Face Mnt Hanger
H3d	46	PCS	IUS2.37/16 Single Face Mnt Hanger
BCGUIDE	1	PCS	BCI Installation Guide
BCLAYOUT	1	PCS	BCI Placement Layout

SEE MATERIAL LIST FOR DEPTH, SERIES & LENGTH

30	INDICATES I-JOIST
TJM	INDICATES TIMBERSTRAND MDR, LSL
PSL	INDICATES PECORA-LAM, LVL
PSL	INDICATES PARALLAM, PSL
GLB	INDICATES GLUE-LAM

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

L.B.W.A.	LOAD BEARING WALL ABOVE
B.O.O.	BEAM BY OTHERS
EXTRA	EXTRA JOIST ADDED
K.N	EXTRA JOIST (1) UNDER WALL
DBL	DOUBLE JOIST (2)
TRPL	TRIPLE JOIST (3)
B.P.	I-JOIST BLOCKING PANEL
PLYW	PLYWOOD OR OSB 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 LATEST REVISION :
ARCH DWGS DATE :
CHECKED BY :
STRUCTURAL REVIEW BY :
DATE :

REV	BY	DATE / DESC.
SID	ET	7/22/22

DESIGN DATA

LIVE	40	PSF
DEAD	10	PSF
TOTAL LOAD =	50	PSF

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

I-Joists

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

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972.582.4064
FAX 972.582.4065
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TRUSS MANUFACTURER INSTALLATION MUST MEET BCSI STANDARDS. (CONSERVATIVE APPROACH USED FOR SPAN TABLES - LOWEST RATING USED)
FLOOR SHEATING TO BE GLUED AND NAILED TO I JOIST PANTHER PATROL PATTERN.
CERAMIC TILE FLOORS WILL BE SUPPORTED PER TILE COUNCIL OF AMERICA (TCA) RECOMMENDATIONS. BUILDER TO VERIFY LOCATION OF PLUMBING DRAIN AND SHUT JOISTS A MINIMUM OF 2 INCHES.
ALL CEILING JOISTS MUST BE ATTACHED TO TRUSS OR BEARING WALLS OR BEAMS DESIGNED TO SUPPORT THE LOAD IN ACCORDANCE WITH R802.3.1.
ALL CEILING JOISTS NEED WITH BRACING TO REMAIN ON LOAD BEARING WALLS OR BEAMS DESIGNED TO SUPPORT THE LOAD IN ACCORDANCE WITH R802.3.1.
TO ATTACH DECK LEDGER, USE REQUIRED SHIM BOARD PER MANUFACTURERS RECOMMENDATION.

REV	BY	DATE
0	JJ	2/10/20
1	JJ	2/12/20
2	JJ	2/24/20
3	JJ	2/26/20
4	JJ	3/2/20
5	JJ	3/4/20
6	JJ	3/5/20
7	JJ	3/6/20
8	JJ	3/9/20
9	JJ	3/10/20

BUILDER: JORDAN BUILT HOMES
MODEL: HAYES
2ND FLOOR I-JOIST PLACEMENT PLAN
TYPE: MONDAY, 10 FEBRUARY 2020 - 10:40 AM
FILE: I:\APEX\TJI\ACADDWG\JORDAN BUILT HOMES\HAYES.DWG

DRAWN BY: TJF DATE: 2/10/20
SHEET: 1 OF 1 SHEETS

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'