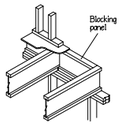
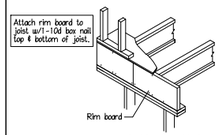
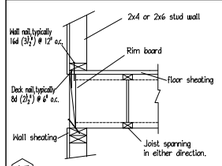


A1

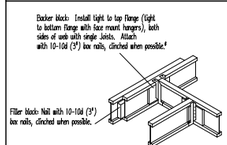


A3 Must have 1¾" minimum joist bearing at ends

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



A7



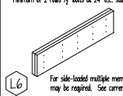
H2

* With top flange hangers, backer block required only for downward loads exceeding 250 lbs. or for uplift conditions (factored load value is 395 lbs. for Limit States Design)

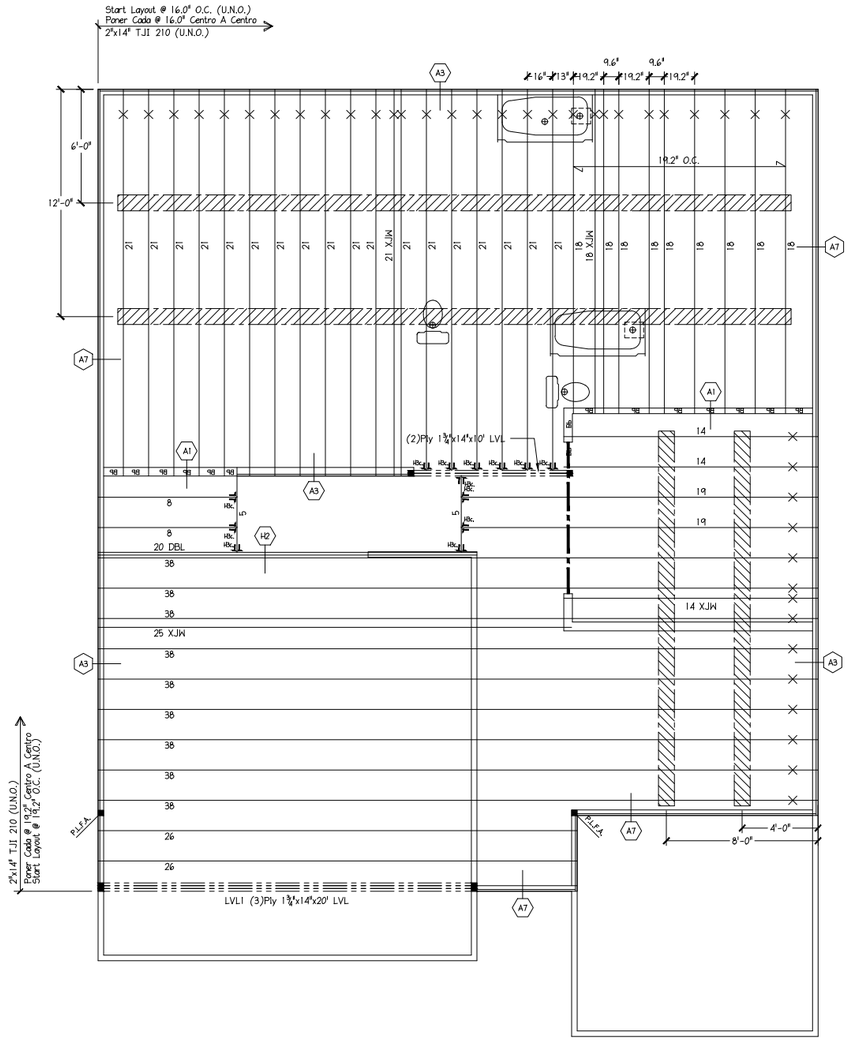
CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS

LVL & PSL (1¾" Width Pieces)

- Minimum of 2 rows 16d (3½") nails at 12" o.c.
- Minimum of 3 rows 16d (3½") 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 ½" 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

MATTAMY HOMES - LOT 81 PROVIDENCE CREEK - SEQUOIA

ENGINEERED WOOD MATERIAL LIST

MATTAMY HOMES
LOT 81 PROVIDENCE CREEK - SEQUOIA
2ND FLOOR I-JOIST PLACEMENT PLAN

MARK	QTY	CUT LENGTH	DESCRIPTION (Holes)
5	2	5'-0"	2" x 14" TJI 210
8	2	8'-0"	2" x 14" TJI 210
14a	3	14'-0"	2" x 14" TJI 210 (2)
18a	9	18'-0"	2" x 14" TJI 210 (2)
18b	1	18'-0"	2" x 14" TJI 210 (2)
19a	2	19'-0"	2" x 14" TJI 210 (2)
20	2	20'-0"	2" x 14" TJI 210
21a	19	21'-0"	2" x 14" TJI 210 (2)
25	1	25'-0"	2" x 14" TJI 210
26	2	26'-0"	2" x 14" TJI 210
38a	9	38'-0"	2" x 14" TJI 210 (2) (Total 1144')

BEAMS AND HEADERS

LVL	2	10'-0"	1¾" x 14" LVL 2.0E (Flush)
LVL1	3	20'-0"	1¾" x 14" LVL 2.0E (Flush)

ACCESSORIES & OTHER MATERIALS (Simpson Hangers)

ITEM	QTY	UNIT	DESCRIPTION
14" Rim	151	LF	1⅛"x14" TJ Rim 13 pcs@12' or 10 pcs@16'
BP	15	1'-5 1/8"	14" Blocking Panel (Total 30")
H3c	13	PCS	IUS2.06/14 Single Face Mnt Hanger
10CUT14C	86	HOLE	10" Circular Cutout
TJLAYOUT	1	PCS	TJI Placement Layout
TJGUIDE	1	PCS	TJI Installation Guide

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

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

DO NOT CUT ORANGE END
NO CORTE EL COLOR NARANJA

"X" INDICATES ORANGE END
"X" INDICAR EL COLOR NARANJA

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

SEE MATERIAL LIST FOR DEPTH, SERIES & LENGTH

- 30 — INDICATES I-JOIST
- TW — INDICATES TIMBERSTRAND HDR, LSL
- P.S.L. — INDICATES PICO-LAM, LVL
- P.S.L. — INDICATES PARALLAM, PSL
- INDICATES GLULAM, PSL
- (B) — INDICATES A SECTION FROM THE INSTALLATION GUIDE DETAIL IS ALSO SHOWN ON THIS SHEET
- L.B.H.A. — LOAD BEARING WALL ABOVE
- B.O.B. — BEAM BY OTHERS
- EXTRA — EXTRA JOIST ADDED
- X.H. — EXTRA JOIST (1) UNDER WALL
- DBL — DOUBLE JOIST (2)
- TRPL — TRIPLE JOIST (3)
- BP — I-JOIST BLOCKING PANEL
- B.R. — BRIDGING OR BLOCKING 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.
SD	JDS	3/11/22

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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BSA LIFECYCLE INSTITUTE, ALEX WHITE PANEL, CONSIDERS APPROPRIATE USES FOR SERIES TJM I-JOIST (BCIN) SUBJECT TO CODE AND LOCAL APPROVAL.
FLOOR MEMBERS TO BE GLUED AND NAILED TO I-JOIST FLANGES (REFER TO INSTALLATION GUIDE FOR GLUING AND NAILING SCHEDULE).
BUILDER TO VERIFY LOCATION OF FLUTTING (DUCTS AND PIPES) AND CUTOUTS IN I-JOIST FLANGES AND WEB.
ALL CEILING JOISTS AND RAFTER BRACING TO BEAR ON LOAD BEARING WALLS OR BEAMS DESIGNED TO SUPPORT THEM.
TO AVOID DRY LOOSE, USE RESILIENT SOUND BAND PER MANUFACTURERS RECOMMENDATION.

NO.	DATE	DESCRIPTION
0	22	ISSUED FOR PERMIT
1	22	ISSUED FOR CONSTRUCTION
2	22	AS-BUILT

BUILDER: MATTAMY HOMES
MODEL: LOT 81 PROVIDENCE CREEK - SEQUOIA

2ND FLOOR I-JOIST PLACEMENT PLAN

TIME: THURSDAY, 7 JULY 2022 - 10:50 AM
FILE: I:\...\MATTAMY HOMES\SEQUOIA - LOT 81 PROVIDENCE CREEK.DWG

DRAWN BY: NJH DATE: 2/2/22

SHEET: 1 OF 1 SHEETS