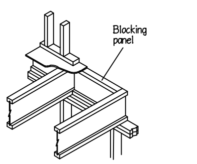
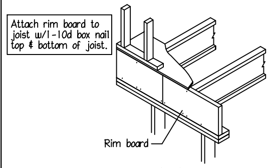
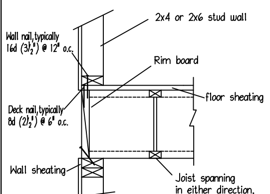


A1

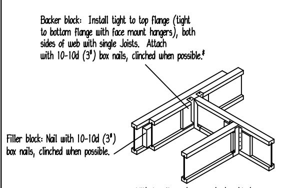


A3 Must have 1¾" minimum joist bearing at ends

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



A7



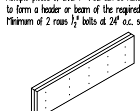
* With top flange hangers, backer block required only for downward loads exceeding 250 lbs. or for uplift conditions (factored load value is 395 lbs. for Limit States Design)

H2

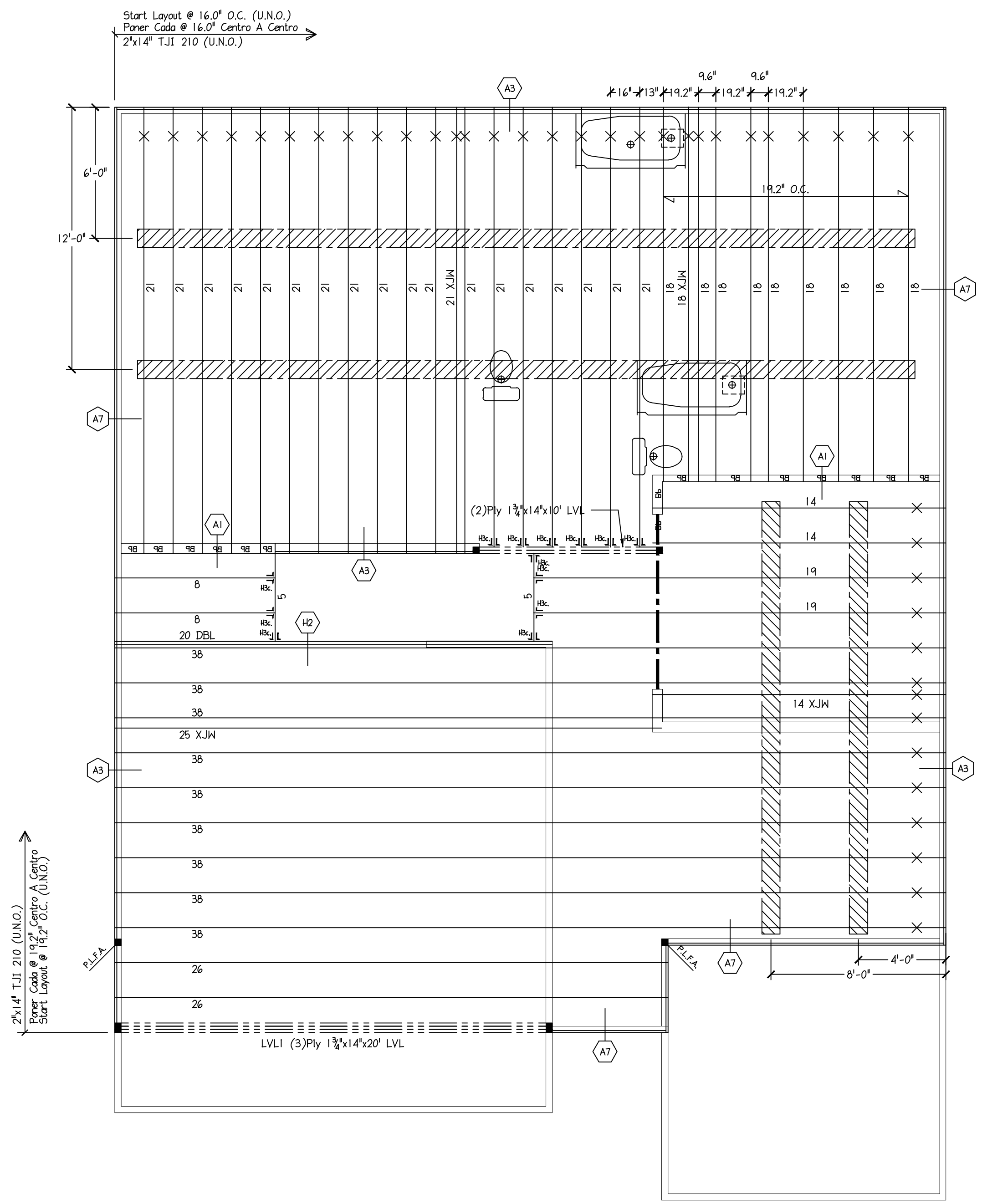
CONNECTION OF MULTIPLE PIECES
OF TOP-LOADED BEAMS

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 bolthed together to form a header or beam of the required size, up to a maximum with 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 72 PROVIDENCE CREEK - SEQUOIA

ENGINEERED WOOD MATERIAL LIST

MATTAMY HOMES
LOT 72 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

SEE MATERIAL LIST FOR DEPTH, SERIES & LENGTH

30 — MARK	INDICATES I-JOIST
TSH — MARK	INDICATES TIMBERSTRAND HDR, LSL
ML — MARK	INDICATES MICRO=LAM, LVL
PI — MARK	INDICATES PARALLAM, PSL
GL — MARK	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
XJW	EXTRA JOIST (1) UNDER WALL
DBL	DOUBLE JOIST (2)
TRPL	TRIPLE JOIST (3)
B.P.	I-JOIST BLOCKING PANEL
RB	1 1/4" OR 1 1/8" RIM BOARD
PLFA	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)

Atlantic Group
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Builders FirstSource

GENERAL NOTES
1.) READ MANUFACTURERS' INSTALLATION GUIDE BEFORE FRAMING. (COORDINATE APPROPRIATE GUIDE FOR SERIES FOR I-JOIST BEING USED.)
2.) WALLS NOT SHOWN HAVE BEEN CONSIDERED NON-LOAD BEARING.
3.) FLOOR SHEATHING TO BE GLUED AND NAILED TO I-JOIST FRAMING MEMBERS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN PLYWOOD ASSOCIATION (APA).
4.) CERAMIC TILE FLOORS SHOULD BE SUPPORTED PER TILE COUNCIL OF AMERICA (TCA) RECOMMENDATIONS.
5.) PROVIDE PLUMBING AND HVAC CONTRACTORS WITH MANUFACTURERS' INSTALLATION GUIDE FOR HOLE CUTTING CHARTS AND OTHER DETAILS.
6.) BUILDER TO VERIFY LOCATION OF PLUMBING DROPS AND SHIFT JOISTS A MAXIMUM OF 2 INCHES.
7.) HANGERS TO BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS.
8.) ALL CEILING JOISTS AND RAFTER BRACING TO BEAR ON LOAD BEARING WALLS OR BEAMS DESIGNED TO CARRY LOAD TO THE FOUNDATION.
9.) TO ATTACH DECK LEDGER, USE ADEQUATE BAND BOARD PER MANUFACTURERS' RECOMMENDATION.

BUILDER: MATTAMY HOMES
MODEL: LOT 72 PROVIDENCE CREEK - SEQUOIA
2ND FLOOR I-JOIST PLACEMENT PLAN
TIME: THURSDAY, 25 AUGUST 2022 - 2:14 PM
FILE: I:\...MATTAMY HOMES\SEQUOIA - LOT 72 PROVIDENCE CREEK.DWG

DRAWN BY: NJH DATE: 2/2/22

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

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'