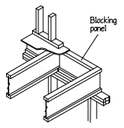
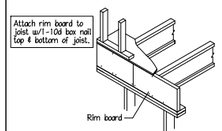
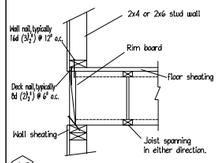


A1



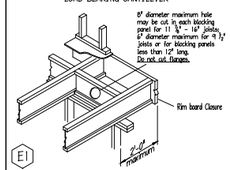
A3 Must have 1¾" minimum joist bearing at ends

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

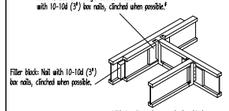


A7

LOAD BEARING CANTILEVER



E1

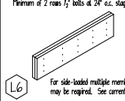


H2

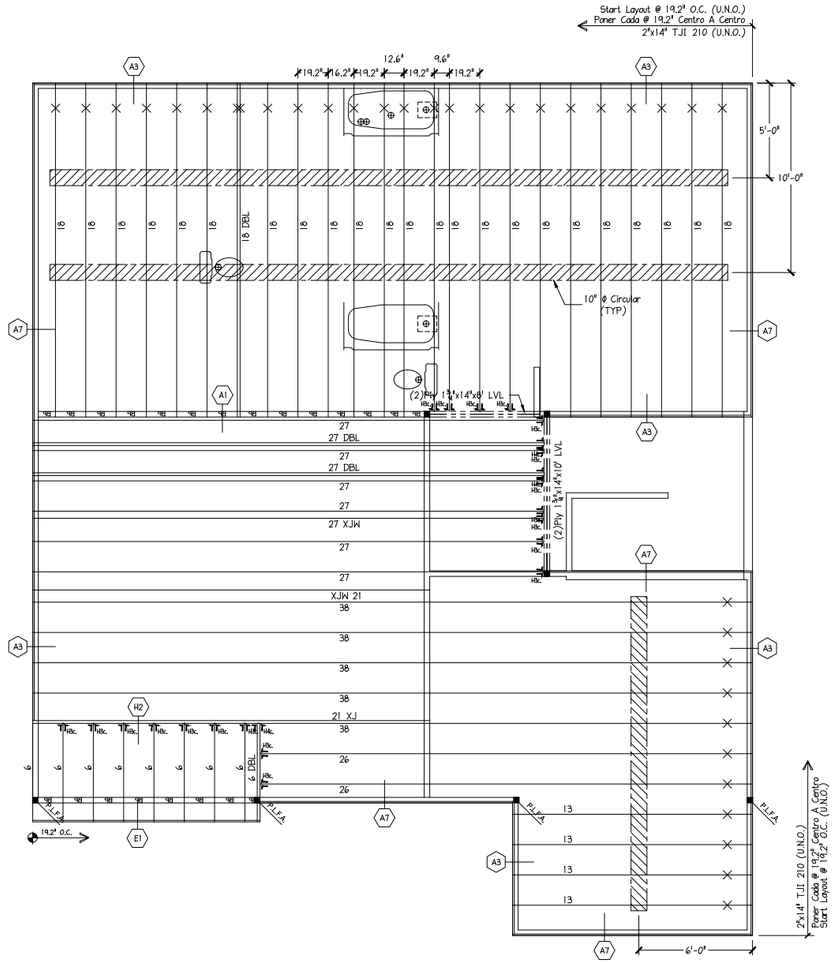
CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS

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 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 - SHENANDOAH

OPT. ENHANCED SIDE ELEVATION

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'

ENGINEERED WOOD MATERIAL LIST

MATTAMY HOMES

SHENANDOAH

2ND FLOOR I-JOIST PLACEMENT PLAN

BASE - ALL ELEVATIONS

MARK	QTY	CUT LENGTH	DESCRIPTION (Holes)
6	10	6'-0"	2" x 14" TJI 210
13a	4	13'-0"	2" x 14" TJI 210 (1)
18a	25	18'-0"	2" x 14" TJI 210 (2)
21	2	21'-0"	2" x 14" TJI 210
26a	2	26'-0"	2" x 14" TJI 210 (1)
27	11	27'-0"	2" x 14" TJI 210
38a	5	38'-0"	2" x 14" TJI 210 (1) (Total 1143')

BEAMS AND HEADERS

LVL	2	8'-0"	1¾" x 14" LVL 2.0E (Flush)
LVL	2	10'-0"	1¾" x 14" LVL 2.0E (Flush)

ACCESSORIES & OTHER MATERIALS (Simpson Hangers)

ITEM	QTY	UNIT	DESCRIPTION
14" Rim	175	LF	1"x14" Rim 15 pcs@12' or 11 pcs@16'
BP	22	1'-5 1/8"	14" Blocking Panel (Total 44')
H4c	3	PCS	MIU4.28/14 Double Face Mnt Hanger
H3c	20	PCS	IUS2.06/14 Single Face Mnt Hanger
10CUT14C	61	HOLE	10" Circular Cutout
TJLAYOUT	1	PCS	TJI Placement Layout
TJGUIDE	1	PCS	TJI Installation Guide

OPT. ENHANCED SIDE ELEVATION

MARK	QTY	CUT LENGTH	DESCRIPTION
H3c	+6	PCS	IUS2.06/14 Single Face Mnt Hanger
14" Rim	-9	LF	1"x14" Rim -1 pcs@12' or 0 pcs@16'
LVL	+2	10'-0"	1¾" x 14" LVL 2.0E (Flush)

SEE MATERIAL LIST FOR DEPTH, SERIES & LENGTH

30	INDICATES TJ-JOIST
TJW	INDICATES TIMBERSTRAND HDR, LSL
P.S.P.	INDICATES PICO-PLAM, LVL
PSL	INDICATES PARALLAM, PSL
GLB	INDICATES GLUE-LAM, FB

(B) 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
XJH	EXTRA JOIST (1) UNDER WALL
DBL	DOUBLE JOIST (2)
TRPL	TRIPLE JOIST (3)
BP	I-JOIST BLOCKING PANEL
B.O.F.	BEAM ON FOUNDATION
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 :
ARCH DWGS DATE :
ARCHITECT DWG BY :
ARCH LATEST REVISION :
DATE :
CHECKED BY :
STRUCTURAL REVIEW BY :

REV	BY	DATE / DESC.
SD	JDS	

DESIGN DATA

LIVE	40 PSF
DEAD	10 PSF
TOTAL LOAD =	50 PSF
STRESS DURATION =	100%
DEFLECTION CRITERIA :	(L/480)

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Builders FirstSource

DESIGN CRITERIA: ROOF LIVE LOAD 40 PSF, ROOF DEAD LOAD 10 PSF, FLOOR LIVE LOAD 40 PSF, FLOOR DEAD LOAD 10 PSF, FLOOR LIVE LOAD REDUCTION NOT USED, FLOOR DEFLECTION L/480 (LIVE), L/360 (TOTAL), ROOF DEFLECTION L/240 (LIVE), L/180 (TOTAL), ALL BUILDING DESIGNS ARE BASED ON THE 2012 EDITION OF INTERNATIONAL RESIDENTIAL CODE (IRC). ALL BUILDING DESIGNS ARE BASED ON THE 2012 EDITION OF INTERNATIONAL RESIDENTIAL CODE (IRC). ALL BUILDING SITES MUST HAVE WATER RUNOFF DIRECTION TO BEAM OR LOAD BEARING WALLS OR BEAMS DESIGNED TO TRANSFER LOAD TO FOUNDATION. TO ATTACH DECK LEDGER, USE ADEQUATE SAND BOARD PER MANUFACTURERS' RECOMMENDATION.

BUILDER: MATTAMY HOMES
MODEL: SHENANDOAH
2ND FLOOR I-JOIST PLACEMENT PLAN
TIME: TUESDAY, 26 OCTOBER 2021 - 11:02 AM
FILE: I:\APEX\TJI\ACAD\DWG\MATTAMY HOMES\SHENANDOAH.DWG

DRAWN BY: NJH DATE: 10/26/21

SHEET: 2 OF 2 SHEETS