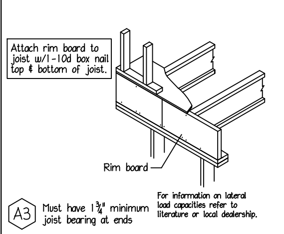
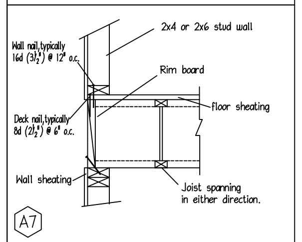
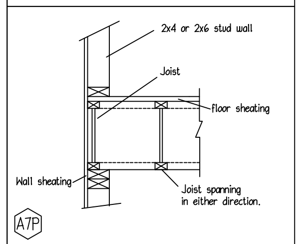


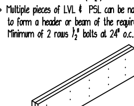




CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS

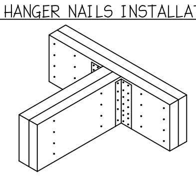
LVL & PSL (1 3/4" Width Pieces)

- Minimum of 2 rows 16d (3 1/2") nails at 12" o.c.
- Minimum of 3 rows 16d (3 1/2") 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 1/2" bolts at 24" o.c. staggered.

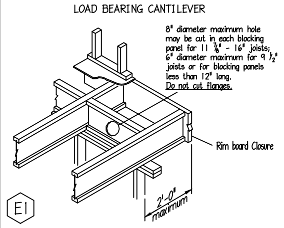


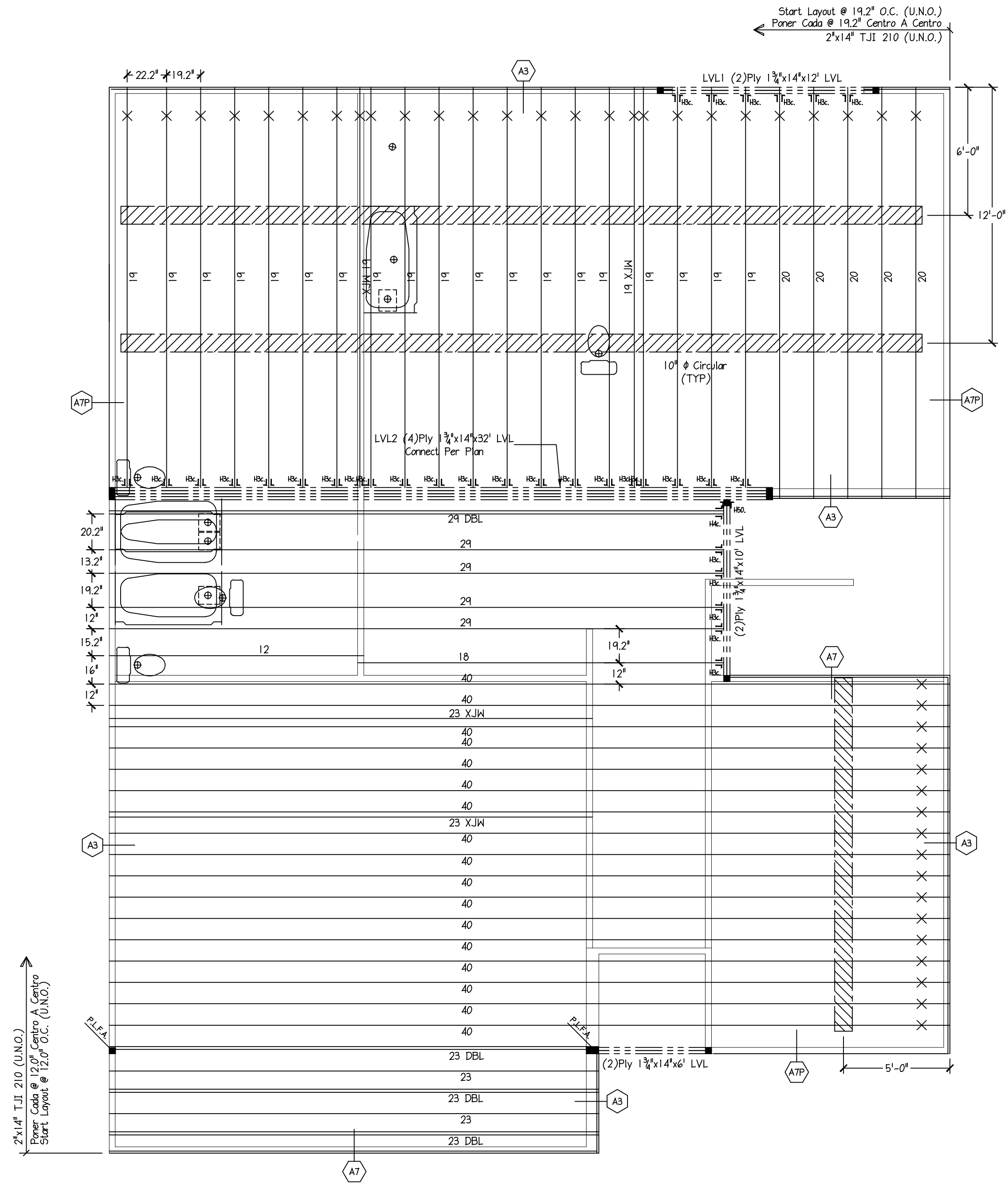
L6 For side-loaded multiple member beams, additional nailing or bolting may be required. See current Joist literature.

LVL HANGER NAILS INSTALLATION



FILL ALL NAIL HOLES USING 16D COMMON (0.162 X 3 1/2") NAILS. DO NOT USE AIR GUN NAILS OR N10D NAILS.

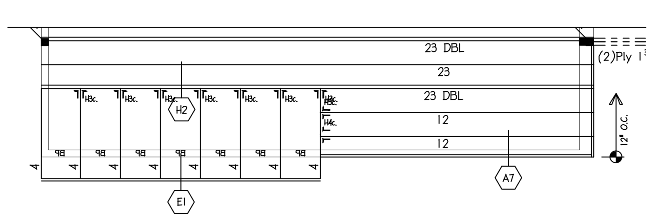




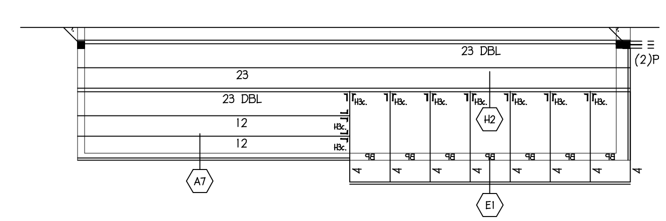
ELEVATION: CRAFTSMAN, COLONIAL, FARMHOUSE

2ND FLOOR I-JOIST PLACEMENT PLAN

MATTAMY HOMES - VOYAGEUR



ELEVATION: TUDOR



ELEVATION: FRENCH COUNTRY

ENGINEERED WOOD MATERIAL LIST

MATTAMY HOMES
VOYAGEUR
2ND FLOOR I-JOIST PLACEMENT PLAN

BASE - ELEVATION: CRAFTSMAN, COLONIAL, FARMHOUSE

MARK	QTY	CUT LENGTH	DESCRIPTION (Holes)
11	5	11'-0"	2" x 14" TJI 210
12	1	12'-0"	2" x 14" TJI 210
18	1	18'-0"	2" x 14" TJI 210
19a	21	19'-0"	2" x 14" TJI 210 ‹ 2 ›
20a	5	20'-0"	2" x 14" TJI 210 ‹ 2 ›
23	10	23'-0"	2" x 14" TJI 210
29	6	29'-0"	2" x 14" TJI 210
40a	17	40'-0"	2" x 14" TJI 210 ‹ 1 › [Total 1668']

11' JOISTS=RIM

BEAMS AND HEADERS

LVL	2	6'-0"	1 3/4" x 14" LVL 2.0E (Flush)
LVL	2	10'-0"	1 3/4" x 14" LVL 2.0E (Flush)
LVL1	2	12'-0"	1 3/4" x 14" LVL 2.0E (Flush)
LVL2	4	32'-0"	1 3/4" x 14" LVL 2.0E (Flush)

ACCESSORIES & OTHER MATERIALS (Simpson Hangers)

ITEM	QTY	UNIT	DESCRIPTION
14" Rim	95	LF	1 1/8"x14" TJ Rim 8 pcs@12' or 6 pcs@16'
H4c	1	PCS	MIU4.28/14 Double Face Mnt Hanger
H50	1	PCS	HHUS410 3 1/2" Face Mnt -Bm Hgr
H3c	32	PCS	IUS2.06/14 Single Face Mnt Hanger
10CUT14C	69	HOLE	10" Circular Cutout
TJLAYOUT	1	PCS	TJI Placement Layout
TJGUIDE	1	PCS	TJI Installation Guide

ELEVATION: TUDOR

MARK	QTY	CUT LENGTH	DESCRIPTION (Holes)
4	+8	4'-0"	2" x 14" TJI 210
12	+2	12'-0"	2" x 14" TJI 210
23	-3	23'-0"	2" x 14" TJI 210 [Total -13']
H3c	+8	PCS	IUS2.06/14 Single Face Mnt Hanger
H4c	+1	PCS	MIU4.28/14 Double Face Mnt Hanger
BP	+7	1'-10"	14" Blocking Panel [Total 13']

OPT. FRENCH COUNTRY

MARK	QTY	CUT LENGTH	DESCRIPTION (Holes)
4	+8	4'-0"	2" x 14" TJI 210
12	+2	12'-0"	2" x 14" TJI 210
23	-3	23'-0"	2" x 14" TJI 210 [Total -13']
H3c	+9	PCS	IUS2.06/14 Single Face Mnt Hanger
BP	+7	1'-10"	14" Blocking Panel [Total 13']

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	11/11/21

DESIGN DATA

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

Atlantic Group
RALEIGH, NC
401 VALLEY FORGE RD.
HILLSBOROUGH, NC 27278
V: (919) 644-1281
F: (919) 644-7483

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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.

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'

BUILDER: MATTAMY HOMES
MODEL: VOYAGEUR
2ND FLOOR I-JOIST PLACEMENT PLAN
TIME: WEDNESDAY, 25 MAY 2022 - 9:39 AM
FILE: I:\APEXTJI\ACADDWG\MATTAMY HOMES\VOYAGEUR.DWG

DRAWN BY: TJF DATE: 5/25/22

SHEET: 1 OF 1 SHEETS