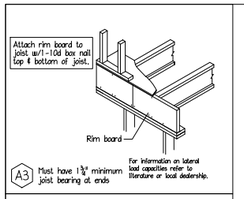
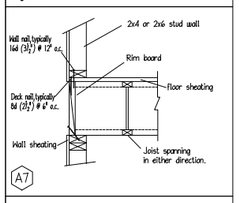
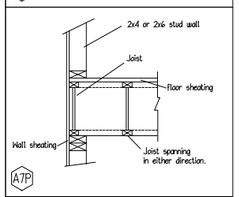


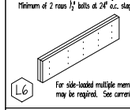




CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS

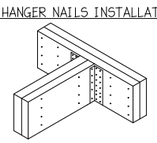
LVL & PSL (1 3/4" Width Pieces)

- 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 bolted 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.



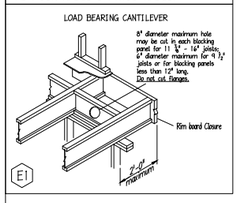
For side-loaded multiple member beams, additional nailing or bolting may be required. See current Joist literature.

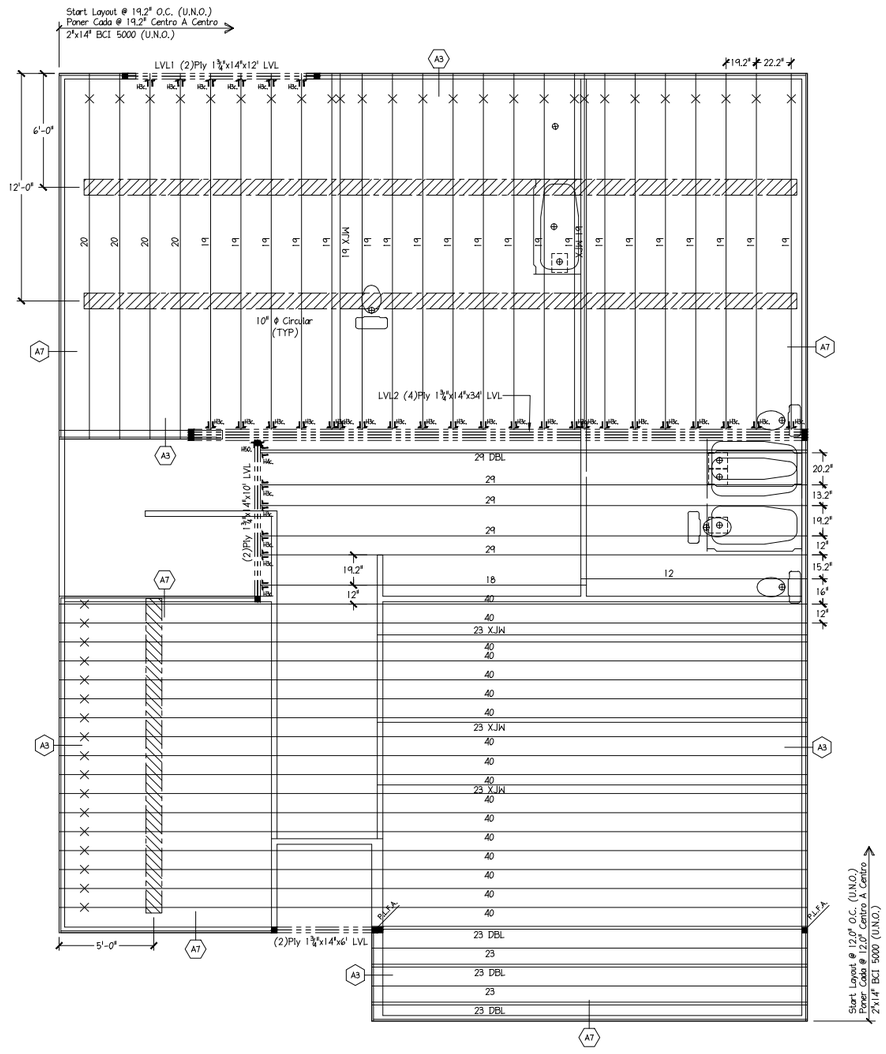
LVL HANGER NAILS INSTALLATION



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

LOAD BEARING CANTILEVER

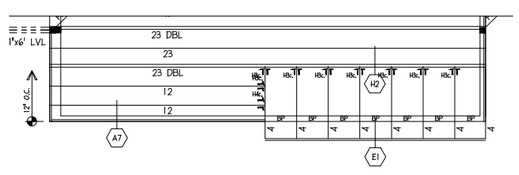




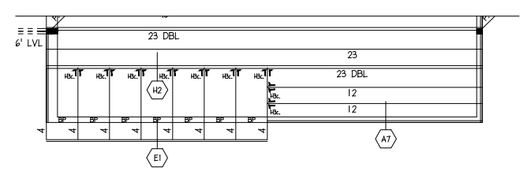
ELEVATION: CRAFTSMAN, COLONIAL, FARMHOUSE

2ND FLOOR I-JOIST PLACEMENT PLAN

MATTAMY HOMES - VOYAGEUR



ELEVATION: TUDOR



ELEVATION: FRENCH COUNTRY

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

VOYAGEUR

2ND FLOOR I-JOIST PLACEMENT PLAN

BASE - ELEVATION: CRAFTSMAN, COLONIAL, FARMHOUSE

MARK	QTY	CUT LENGTH	DESCRIPTION (Holes)
12	1	12'-0"	2" x 14" BCI 5000
18	1	18'-0"	2" x 14" BCI 5000
19a	22	19'-0"	2" x 14" BCI 5000 (2)
20a	4	20'-0"	2" x 14" BCI 5000 (2)
23	11	23'-0"	2" x 14" BCI 5000
29	6	29'-0"	2" x 14" BCI 5000
40a	17	40'-0"	2" x 14" BCI 5000 (1) [Total 1635']

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	34'-0"	1 3/4" 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'
H4c	1	PCS	MIU4.28/14 Double Face Mnt Hanger
H50	1	PCS	HHUS410 3 1/2" Face Mnt -Brn Hgr
H3c	33	PCS	IUS2.06/14 Single Face Mnt Hanger
10CUT14C	69	HOLE	10" Circular Cutout
BCLAYOUT	1	PCS	BCI Placement Layout
BCGUIDE	1	PCS	BCI Installation Guide

ELEVATION: TUDOR

MARK	QTY	CUT LENGTH	DESCRIPTION (Holes)
4	+8	4'-0"	2" x 14" BCI 5000
12	+2	12'-0"	2" x 14" BCI 5000
23	-3	23'-0"	2" x 14" BCI 5000 [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']

ELEVATION: FRENCH COUNTRY

MARK	QTY	CUT LENGTH	DESCRIPTION (Holes)
4	+8	4'-0"	2" x 14" BCI 5000
12	+2	12'-0"	2" x 14" BCI 5000
23	-3	23'-0"	2" x 14" BCI 5000 [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	INDICATES I-JOIST
TJM	INDICATES TIMBERSTRAND HDR, LSL
TJL	INDICATES PERMA-LAM, LVL
TJI	INDICATES PARALLAM, PSL
	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.J.	BEAM BY OTHERS
EXTRA	EXTRA JOIST ADDED
X.J.W.	EXTRA JOIST (1) UNDER WALL
DBL	DOUBLE JOIST (2)
TRPL	TRIPLE JOIST (3)
B.P.	I-JOIST BLOCKING PANEL
H.D.	HOLE DIMENSION REQUIRED
P.L.F.A.	CONCENTRATED PoINT LOAD FROM ABOVE
DROP BEAM	DROP BEAM
FLUSH BEAM	FLUSH BEAM

THIS SHOP DRAWING IS BASED ON THE FOLLOWING

PROJECT LOCATION :
PROJECT NUMBER :
ARCH DWGS DATE :
ARCHITECT DWGS BY :
ARCH LATEST REVISION :
DATE :
CHECKED BY :
STRUCTURAL REVIEW BY :

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)

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Alberta Truss Company Inc. 48 Mauritz Way N. Red Deer County, AB T4E 1B1 Ph: (403) 346-5188 Fax: (403) 346-5189

ISSUED FOR CONSTRUCTION USE.

1.0 NEW CONSTRUCTION
2.0 ADDED CONNECTORS, REVISED TO MEET CSA-086-01 (SEE REVISED DWG)
2.1 ADDED CONNECTORS, REVISED TO MEET CSA-086-01 (SEE REVISED DWG)
2.2 ADDED CONNECTORS, REVISED TO MEET CSA-086-01 (SEE REVISED DWG)
2.3 ADDED CONNECTORS, REVISED TO MEET CSA-086-01 (SEE REVISED DWG)