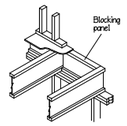
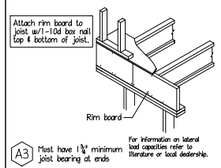
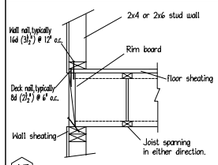


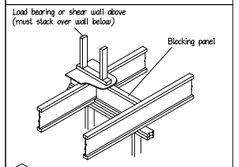
A1



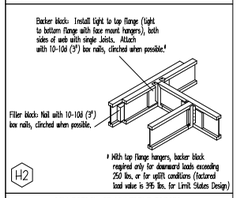
A3 Must have $1\frac{3}{4}$" minimum joist bearing at ends



A7



B1

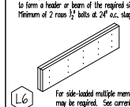


H2

CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS

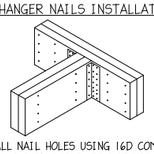
LVL & PSL ($1\frac{3}{4}$" Width Pieces)

- Minimum of 2 rows 16d ($3\frac{1}{2}$") nails at 12" o.c.
- Minimum of 3 rows 16d ($3\frac{1}{2}$") 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 width of 7 inches. Minimum of 2 rows $\frac{1}{2}$" bolts at 24" o.c. staggered.

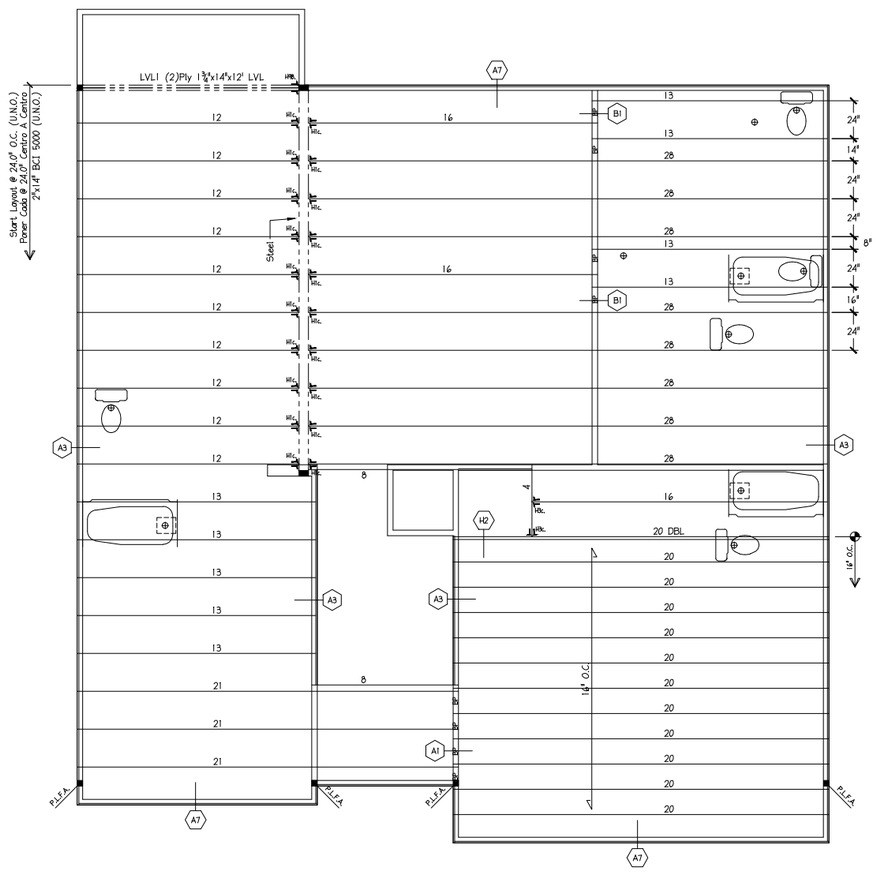


L6 For side-loaded multiple member beams, additional nailing or bolting may be required. See current Joist literature.

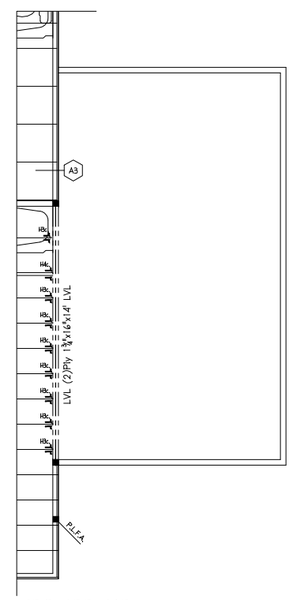
LVL HANGER NAILS INSTALLATION



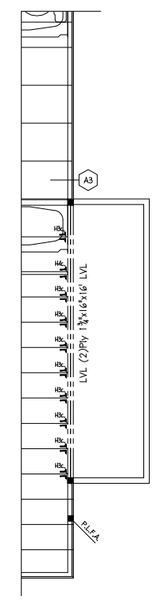
FILL ALL NAIL HOLES USING 16D COMMON (0.162 X 3 1/2") NAILS. DO NOT USE AIR GUN NAILS OR N10D NAILS.



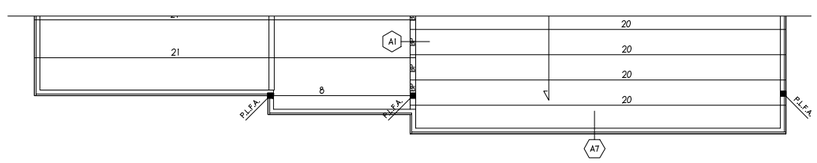
ELEVATION: A, B, D, E
2ND FLOOR I-JOIST PLACEMENT PLAN
CHESAPEAKE HOMES - 6260



OPT. 3RD CAR



OPT. STORAGE EXT.



ELEVATION: C

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

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

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

ENGINEERED WOOD MATERIAL LIST

CHESAPEAKE HOMES

6260

2ND FLOOR I-JOIST PLACEMENT PLAN

BASE - ELEVATION: A, B, D, E

MARK	QTY	CUT LENGTH	DESCRIPTION
4	1	4'-0"	2" x 14" BCI 5000
8	2	8'-0"	2" x 14" BCI 5000
12	10	12'-0"	2" x 14" BCI 5000
13	9	13'-0"	2" x 14" BCI 5000
16	3	16'-0"	2" x 14" BCI 5000
20	13	20'-0"	2" x 14" BCI 5000
21	3	21'-0"	2" x 14" BCI 5000
28	8	28'-0"	2" x 14" BCI 5000 (Total 852')

BEAMS AND HEADERS

LVL1	2	12'-0"	$1\frac{3}{4}$" x 14" LVL 2.0E (Flush)
STL	1	22'-0"	6" x 10" Steel Beam by Others (Flush)

ACCESSORIES & OTHER MATERIALS (Simpson Hangers)

ITEM	QTY	UNIT	DESCRIPTION
14" Rim	173	LF	1"x14" Rim 15 pcs@12' or 11 pcs@16'
BP	8	1'-2"	14" Blocking Panel (Total 16')
H1c	20	PCS	ITS2.06/14 Single Top Mnt Hanger
H3c	2	PCS	IUS2.06/14 Single Face Mnt Hanger
HPB	1	PCS	HUC416 $3\frac{1}{2}$" Concealed Flange
BCLAYOUT	1	PCS	BCI Placement Layout
BCGUIDE	1	PCS	BCI Installation Guide

ELEVATION: C

MARK	QTY	CUT LENGTH	DESCRIPTION
8	+1	8'-0"	2" x 14" BCI 5000 (Total 8')
BP	+1	1'-2"	14" Blocking Panel (Total 2')
14" Rim	-2	LF	1"x14" Rim 0 pcs@12' or 0 pcs@16'

OPT. 3RD CAR GARAGE

MARK	QTY	CUT LENGTH	DESCRIPTION
H3c	+8	PCS	IUS2.06/14 Single Face Mnt Hanger
H4c	+1	PCS	MIU4.28/14 Double Face Mnt Hanger
14" Rim	-13	LF	1"x14" Rim -1 pcs@12' or -1 pcs@16'
LVL	+2	14'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)

OPT. STORAGE EXT

MARK	QTY	CUT LENGTH	DESCRIPTION
H3c	+9	PCS	IUS2.06/14 Single Face Mnt Hanger
H4c	+1	PCS	MIU4.28/14 Double Face Mnt Hanger
14" Rim	-15	LF	1"x14" Rim -1 pcs@12' or -1 pcs@16'
LVL	+2	16'-0"	$1\frac{3}{4}$" x 16" LVL 2.0E (Flush)

SEE MATERIAL LIST FOR DEPTH, SERIES & LENGTH

30	INDICATES I-JOIST
TSH	INDICATES TIMBERSTRAND HDR, LSL
PSL	INDICATES PERMA-LAM, LVL
PSL	INDICATES PARALLAM, PSL
GLB	INDICATES GLUE-LAM
B1	INDICATES A SECTION FROM THE INSTALLATION GUIDE DETAIL IS ALSO SHOWN ON THIS SHEET
L.B.M.A.	LOAD BEARING WALL ABOVE
B.O.L.	BEAM BY OTHERS
EXTRA	EXTRA JOIST ADDED
X.M	EXTRA JOIST (1) UNDER WALL
DBL	DOUBLE JOIST (2)
TRPL	TRIPLE JOIST (3)
B.P.	I-JOIST BLOCKING PANEL
H.R.	HOLE IN FLOOR REQUIRED
PLFA	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 DWGS BY :
ARCH LATEST REVISION :
DATE :
CHECKED BY :
STRUCTURAL REVIEW BY :

REV	BY	DATE / DESC.
SD	SE	5/14/25

DESIGN DATA

LIVE	40 PSF
DEAD	10 PSF
TOTAL LOAD	= 50 PSF

STRESS DURATION = 100%
DEFLECTION CRITERIA : (L/480)

Alternate Group, Inc. 46 Maple Place, Ste. 3A Manchester, NJ 08759 732-657-6400 Fax 732-657-6402

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THIS DRAWING CONFORMS TO PRODUCTION BLOCK BUYING PROCESS. (CUSTOMER'S APPROPRIATE BLOCK FOR NEEDED ONE CLASSIFIED HERE-INCL.)
PLACE ALL PLATES, CONNECTORS, ETC. AS SHOWN ON THIS DRAWING. (ALL FLOOR BEARING PLYS BE SEATED AND NAILED TO I-JOIST PRINTING, PERMITTED.)
PROVIDE FULL FLOOR SHEATING OR SUPPORTS PER THE FOLLOWING OF AMERICA (TGA) RECOMMENDATIONS. BUILDERS TO VERIFY ACCURACY OF PLATINGS, DROPS AND SLOPES. I-JOISTS A MINIMUM OF 2 INCHES. ALL CEILING JOISTS AND RAFTERS BEARING TO RAKE ON LOAD BEARING WALLS OR BEAMS DESIGNED TO ACCEPT THEM.
TO ATTACH BOX LOOKOUT, USE ADEQUATE SIZED FASTENER FOR MANUFACTURER RECOMMENDATION.

BUILDER: CHESAPEAKE HOMES
MODEL: 6260
2ND FLOOR I-JOIST PLACEMENT PLAN
TIME: MONDAY, 4 AUGUST 2025 - 11:41 AM
FILE: I:\APEXTJT\ACADDWG\CHESAPEAKE\6260.DWG

DRAWN BY: TJF DATE: 10/11/23

SHEET: 2 OF 2 SHEETS