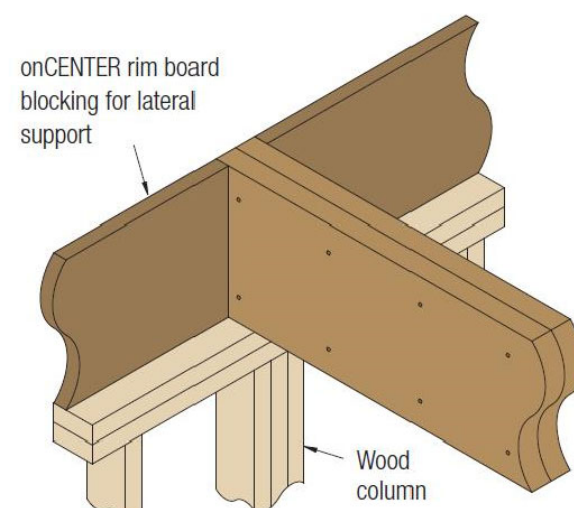
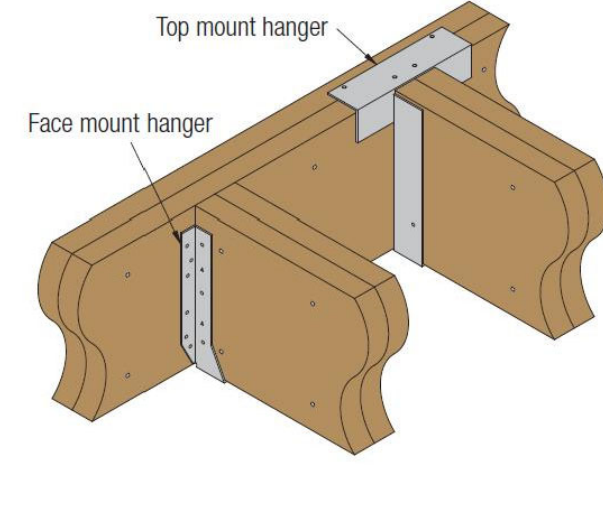


B1 BEARING ON WALL

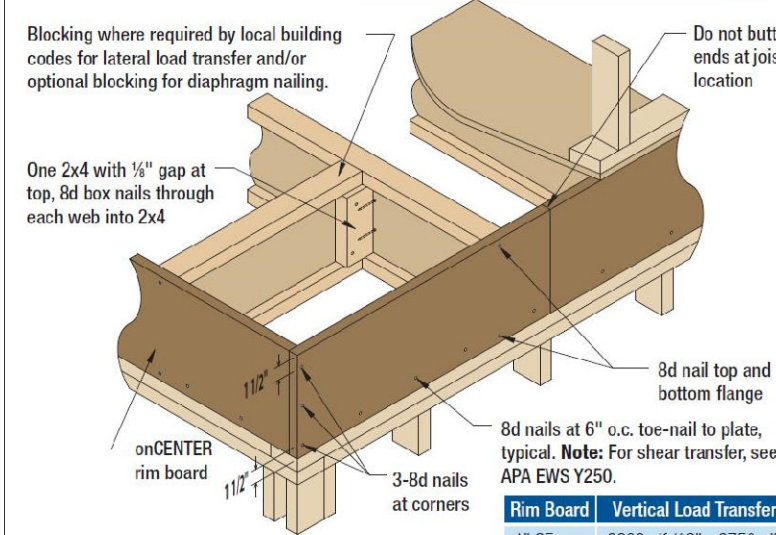


B3 BEAM-TO-BEAM CONNECTION



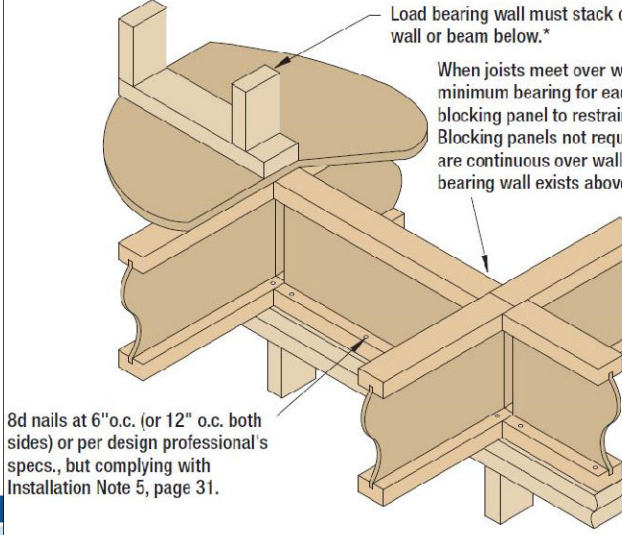
Install hangers per hanger manufacturer's instructions.

onCENTER® RIM BOARD CLOSURE F5



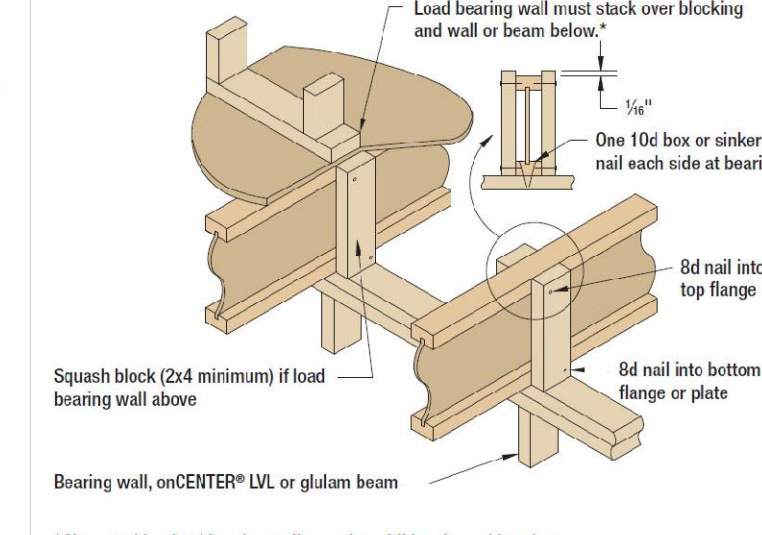
Check local building code for appropriate detail in areas of high lateral load.

F6 BLOCKING PANEL, INTERIOR



*Non-stacking load bearing walls require additional consideration.

F10 SQUASH BLOCKS AT INTERIOR BEARING

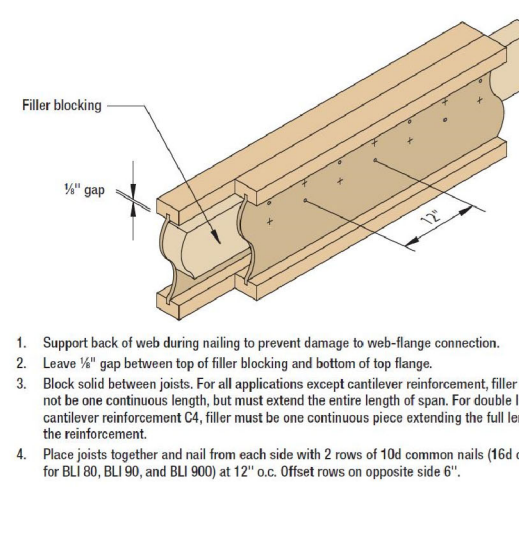


Check local building code for appropriate detail in areas of high lateral load.

F11 DOUBLE JOIST CONSTRUCTION WITH FILLER

Notes: Filler blocks and fastening between joists can be omitted when double joists are loaded evenly from above to the top of both joists, such as when a parallel bearing wall is directly centered over the double joist.

Joist Spacing	Joist Depth	Joist Spacing	2 Ply 2x12 Width	2 Ply 2x10 Width	4 Ply 7" Wide
12"	11 1/2"	2 (shawn)	12"		
16"	14" - 18"	3	12"		Not Permitted
24"	14" - 18"	4	12"		
24"	18" - 24"	2 (shawn)	24"		
24"	24"	3	24"		



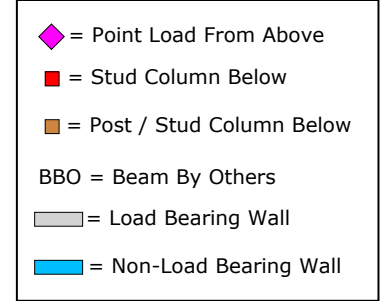
1. Support back of web during nailing to prevent damage to web-flange connection.
2. Leave 1/4" gap between top of filler blocking and bottom of top flange.
3. Block wall between joists. For all applications except overhead reinforcement, filler used on one continuous length, but must extend the entire length of span. For double joist overhead reinforcement, filler must be one continuous piece extending the full length of the reinforcement.
4. Place joist together and nail from each side with 2 rows of 16d common nails (6d common for BL100, BL150, and BL300) at 12" o.c. Offset rows on opposite side 6".

onCENTER® 2.0E LVL Multiple Ply Fastening

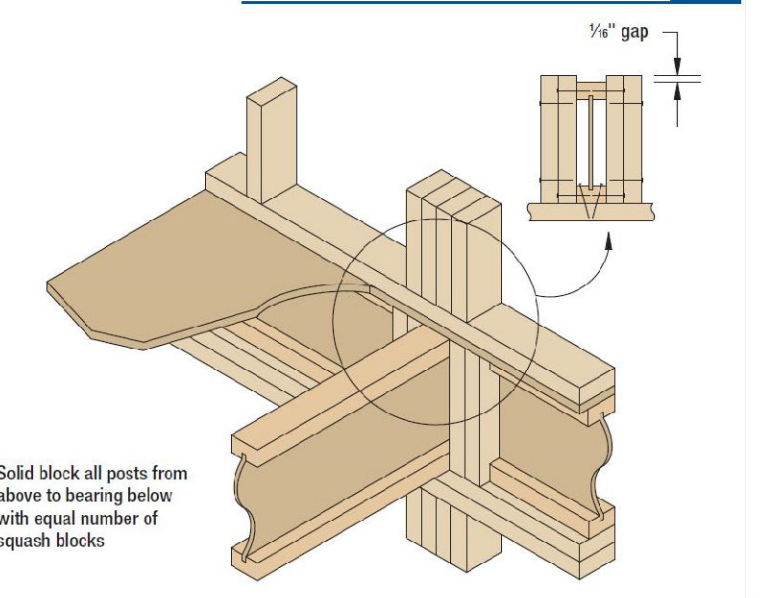
Fastener Type	Lvl Depth	Fastener Spacing	Fastener Spacing	2 Ply 2x12 Width	2 Ply 2x10 Width	4 Ply 7" Wide	Notes
16d Nails (0.131" x 3.5") or equivalent (0.162" x 3.5")	7 1/2" - 11 1/2"	2 (shawn)	12"				These minimum requirements are adequate only when all loads are evenly applied to top surfaces of all plies. If loads are applied to side length of plies, see designer's specifications. Top and bottom rows of connectors should be 2" from edge.
	14" - 18"	3	12"				Fastening for double less than 7.125" requires special consideration. Contact BlueLine.
	24"	4	12"				Fasteners must have full embedment of shank, but must not be over-driven, over-tightened, or counter-sunk.
	7 1/2" - 18"	2 (shawn)	24"	2x12	2x10	4" Square Length	Both holes must be 1/2" to 1/16" larger than web diameter. Block must extend through full thickness of member and at least 1/2" beyond. Use a washer under head and nut.
	24"	3	24"	2x12	2x10	6" Square Length	Overlaps over flange must extend through full thickness of member and at least 1/2" beyond. Use a washer under head and nut.
	7 1/2" - 18"	2 (shawn)	24"	2x12	2x10	8" Square Length	Include notes per manufacturer's guidelines.
	24"	3	24"	2x12	2x10	8" Square Length	

Framer Notes:

- *First Floor I-Joists Painted - Green (Verde) (Primer piso I-vigas pintadas de verde.)
 - *Second Floor I-Joists Painted - Blue (Azul) (Vigas en el segundo piso pintadas de azul.)
 - *Third Floor I-Joists Painted - Red (Rojo) (Tercer piso I-vigas pintadas de rojo.)
- HVAC Hole Notes:**
- == Red End (Lado Rojo)
- *Field Trim Non Red End To Keep Holes Aligned (Cortar el lado sin marca rojo para alinear los hoyos.)

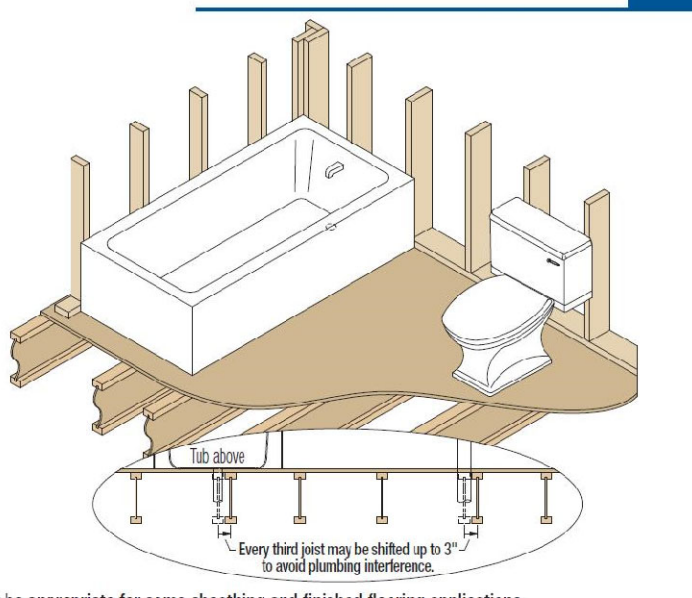


F19 SQUASH BLOCKS AT CONCENTRATED LOADS



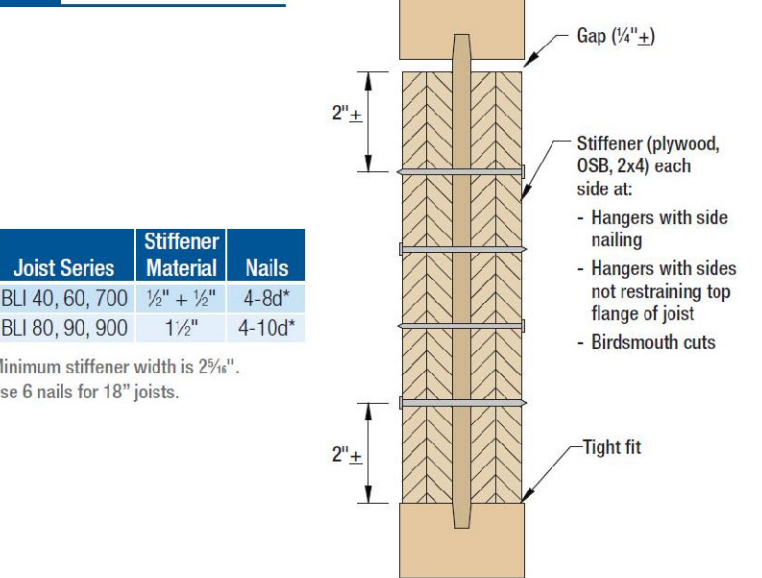
Solid block all posts from above to bearing below with equal number of squash blocks

P2 JOIST SPACING BELOW PLUMBING FIXTURES



May not be appropriate for some sheathing and finished flooring applications.

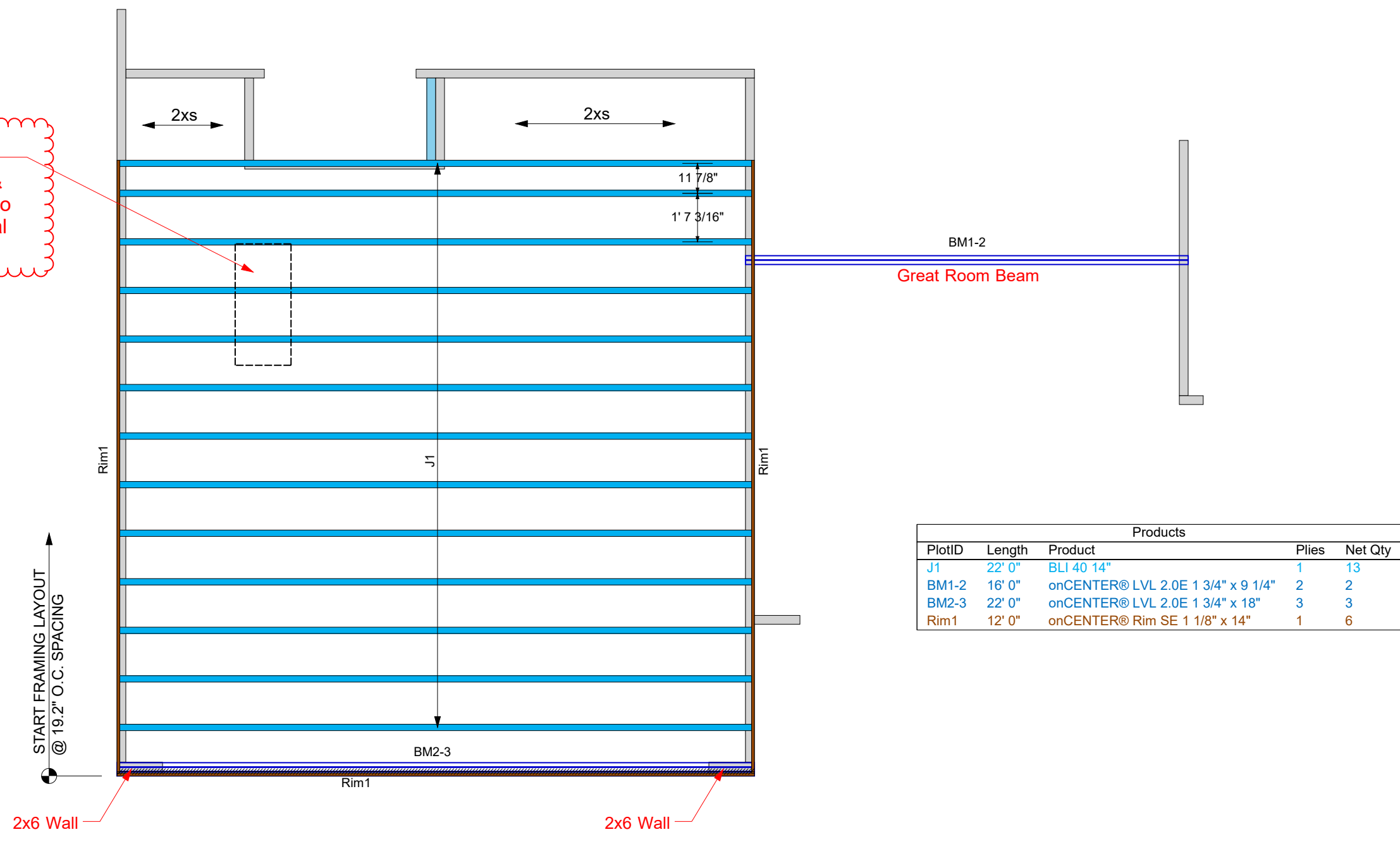
F18 BEARING STIFFENERS



Joist Series	Stiffener Material	Nails
BL 40, 60, 700	1/2" x 1/2"	4-8d
BL 80, 90, 900	1/2" x 1/2"	4-10d

Minimum stiffener width is 2 1/4".
Use 6 nails for 18" joists.

P.D.S. Verify Location & Orientation Prior to Shipping Material



PlotID	Length	Product	Piles	Net Qty
J1	22' 0"	BL140 14"	1	13
BM1-2	16' 0"	onCENTER® LVL 2.0E 1 3/4" x 9 1/4"	2	2
BM2-3	22' 0"	onCENTER® LVL 2.0E 1 3/4" x 18"	3	3
Rm1	12' 0"	onCENTER® Rim SE 1 1/8" x 14"	1	6

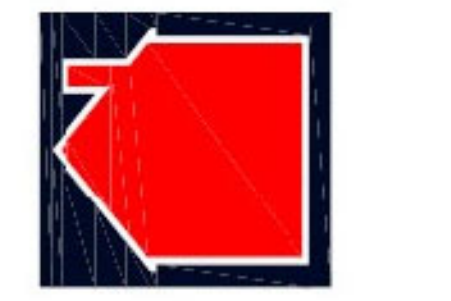
The attached material list represents BlueLine Engineered Lumber products needed to frame layout(s) shown based on the interpretation of user, but has not been reviewed by a BlueLine engineer. Purchaser is to verify material quantities, lengths, locations, and sizes and resolve clouded items.

Specified products are sized only for gravity loads shown. These loads should be verified by the purchaser. If additional loads or framing areas need to be accounted for, notify supplier of BlueLine products so that material can be sized and price adjusted. Unless noted otherwise, hip, valley and ridge boards have not been designed and no products were designed to resist the building's lateral loads.

prior to installation, review layout with applicable product guide and/or installation sheet. If this information is not included, contact your supplier of BlueLine products. Coordinate building plans and details with this layout. To prevent member damage from plumbing or mechanical cuts. Review this layout plan before placement. Follow I-joist web hole charts. Do not cut material beyond scope of product guide(s) without prior approval.

Glue and nail minimum 23/32" APA rated OSB or plywood to floor I-joists. Use fastener schedule for side-loaded onCENTER(TM) LVL beams. For proper installation of hangers and connectors, follow manufacturer's guidelines. Connections not shown are by others. Roofs shall have adequate drainage to prevent ponding. These products were designed for "dry use" conditions only, and must be protected from long term exposure to high moisture. Moisture protection (by others) may be required. Detail F19 Squash Block/Column shall match size of column above

Professional BUILDERS SUPPLY
...it's about the service!!



3941 USHWY 421 North
Wilmington, NC 28401
(910) 386-4300

DRAWN BY:
MWT

DATE:
4/11/2022

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

SALESPERSON:
ANDREW CUNNINGHAM

BUILDER NAME:
MILTON BUILT HOMES

PROJECT NAME:
1004 BUTLER DRIVE

LEVEL NAME:
Garage Ceiling Framing Layout

PAGE: 1