## **Layout Name** 25-10717 1460 SE Broadway Dr **Second Floor** \*\*FLOOR DESIGNED WITH A TRUSSED ROOF SYSTEM ABOVE\*\* (All truss loading on exterior walls or truss girders) 면 C1 FB2\_ These minimum requirements are adequate only when all loads are evenly applied to top surface of all plies. If loads are applied 16d Nails pneumatic (0.131"x 3.5") or common (0.162" x 3.5") F9 BLOCKING PANEL, INTERIOR Vertical load transfer = 2000 plf max. (18" – 1750 plf) to side face(s) of beam, see designer's F11 DOUBLE JOIST CONSTRUCTION WITH FILLER F5 oncenter® RIM Board Closure F1 ATTACHMENT AT END BEARING **Note:** Filler blocks and fastening between joists can be omitted when double joists are loaded evenly from above to the tops of both joists, such as when a parallel bearing wall is directly centered over the double joist. Fastening for depths less than 71/4" requir When joists meet over wall, provide 1% minimum bearing for each joist and ⁄2" Through Bolts Fasteners must have full embedment of shank, but must not be over-driven, overtop, 8d box nails through 9½" 2x6 + ½" OSB/Plywood 2x6 + ½" OSB/Plywood bolt diameter. Blots must extend through fu thickness of member and at least ½" beyon

8d nails at 6" o.c. toe-nail to plate,

11/4" SE 4400 plf (18" - 3950 plf)

3d nails at 6"o.c. (or 12" o.c.

Non-stacking load bearing walls require additional consideration

Spacings closer than those indicated may

Install screws per manufacturer's guidelines

Simpson SDW22 WSWH, TrussLOK, or FlatLOK Screws

all floor and roof details (longer

o minimize splitting of flange and bearing plate

Using your smart phone, follow the link below to



Deflection Dropped Girder Deflection Header Nailed & Glued

Layout Scale: 1/4" = 1'-0"

Deflection Flush Girder

**RELEASED FOR** CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri 10/03/2025

The attached material list represents BlueLinx Engineered Lumber products needed to frame layout(s) shown based on the interpretation of user, but has not been reviewed by a BlueLinx 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 BlueLinx 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 Bluelinx 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 sideloaded onCENTER(R) 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.

onCENTER Rim Board SE 1.125 X 11.875 onCENTER 2.1E LVL 1.75 X 11.875

<b>Second Fl</b> o I Joist	oor						
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J2	BLI 40	2.5	11.875	•		3	32-0-0
J1	BLI 40	2.5	11.875			45	28-0-0
Blocking							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
BP1	BLI 40	2.5	11.875	LinFt		Varies	151-0-0
LVL/LSL		•	,				
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB3	onCENTER 2.1E LVL	1.75	11.875	3	2	6	6-0-0
FB2	onCENTER 2.1E LVL	1.75	11.875	1	2	2	4-0-0
Rim Board		•					
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	onCENTER Rim Board SE 1.125 X 11.875	1.125	11.875			7	12-0-0
Hanger		·				·	

Beam/Girder Supported Member Label Description fasteners H1 IUS2.56/11.88 (Min) 10 10d H2 HUC410 (Min) 14 16d 6 10d



Conforms to Design Concept with Revisions Noted

☐ Non-Conforming; Revise and Resubmit

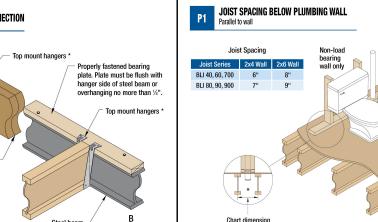
THIS SHOP DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY AND DOES NOT RELIEVE THE FABRICATOR, VENDOR, OR ORIGINAL DESIGN ENGINEER OF RESPONSIBILITY FOR CONFORMANCE WITH DESIGN DRAWINGS SPECIFICATIONS, AND APPLICABLE CODES, ALL OF WHICH HAVE PRIORITY OVER THIS SHOP DRAWING.

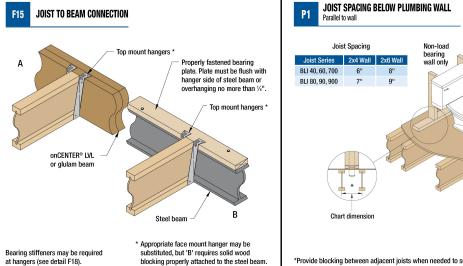
R.E.O. ENGINEERING, P.C.



Created Plotted September 30, 2025 September 30, 2025

September 30, 2025 Designer Whitney Guest





2. Leave  $\ensuremath{\%}$ " gap between top of filler blocking and bottom of top flange.

Block solid between joists. For all applications except cantilever reinforcement, filler need not be one continuous length, but must extend the entire length of span. For double I-joist cantilever reinforcement C4, filler must be one continuou piece extending the full length of the reinforcement.

4. Place joists together and nail from each side with 2 rows of 10d common nails

(16d common for BLI 65, 80, BLI 90, and BLI 900) at 12" o.c. Stagger rows on

rovide blocking between adjacent joists when needed to support panel ends.