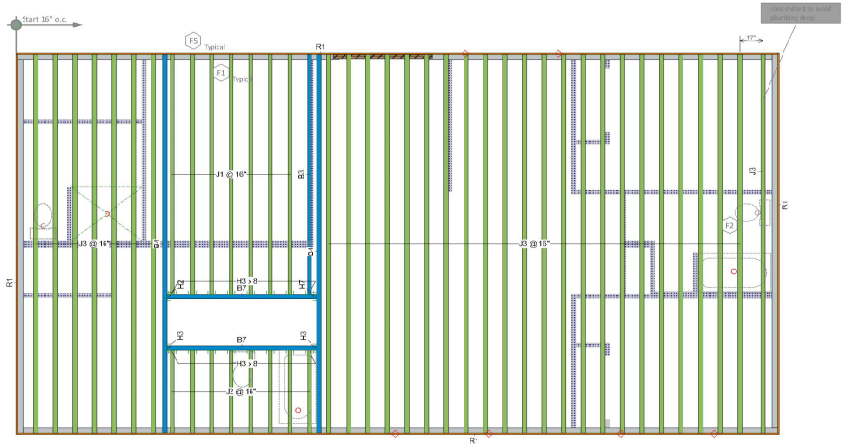
FIRST FLOOR

Scale 1/4 inch : 1 ft



FIRST FLOOR

Joist

Label	Description	Width	Depth	Qty	Plies	Pos	Length
J3	BLI 90	3½	9			6	2'-0.0
J1	BLI 90	3½	9			7	15'-0.0
J2	BLI 90	3½	9			8	5'-0.0

Glulam

Label	Description	Width	Depth	Qty	Plies	Pos	Length
B4	Anthem 3SP E2P Power Beam (Balanced)	3½	9			2	2'-0.0
B3	Anthem 3SP E2P Power Beam (Balanced)	3½	9			1	15'-0.0
B7	Anthem 3SP E2P Power Beam (Balanced)	3½	9			3	12'-0.0

Rim Board

Label	Description	Width	Depth	Qty	Plies	Pos	Length
R1	onCENTER RimBoard SELECT X f	1 1/8	9			11	5'-0.0

Hanger

Label	Pos	Description	Skew	Slope	Beam/Girder fasteners	Supported Member fasteners
H2	1	MUS 9.5/9.5(Min)			24: 16d	2 1/2in 1 1/2
H3	11	HUS 9.5/9.5 (Min)			14: 10d	
H7	1	HGB412			56: 16d	2" 16d

onCENTER is a registered trademark of BlueLinx Corporation
Actual shipping lengths may vary.
Bearing and web stiffeners, filler material, squash blocks, rim sheathing, hanger backer blocks, x-bracing, and other items to be provided by others unless noted otherwise.

The attached material list represents Bluelinx Engineered Lumber products needed to frame layout(s) shown based on the interpretation of uses, 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 priced 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 or 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 side-loaded 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 F15 Squash Block/Column shall match size of column above.

Uniformly Distributed Design Loads

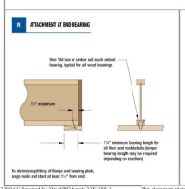
Residential Floor Loading
40 psf Live / 10 psf Dead - Normal
30 psf Live / 10 psf Dead - Sleeping areas
20 psf Live / 10 psf Dead - Uninhabitable attic with storage
10 psf Live / 10 psf Dead - Uninhabitable attic without storage

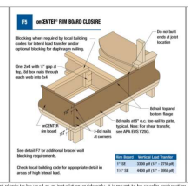
Sloped Roof Loading
30 psf Live / 15 psf Dead - Roof (Snow)

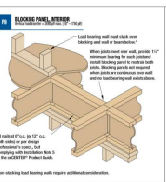
Legend

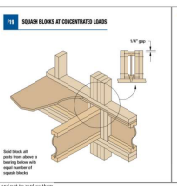
PS Point load support
◇ Load from above
WS Web stiffeners

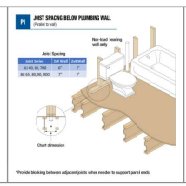
Bearing wall
Bearing wall above
Non-bearing partition wall above
BL Joist
Anthem Power Beam Glulam
onCENTER VL
onCENTER Rim Board
2x by Others
Note: Dropped beams are hatched

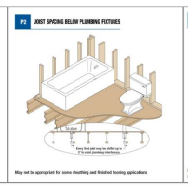


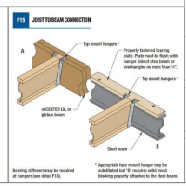












onCENTER® 2.1E LVL Multiple Ply Fastening

Fastener Type	LVL Depth	Fastener Rows	Fastener Spacing	2 Ply 3½" Wide	3 Ply 5½" Wide	4 Ply 7" Wide	Notes
16d Nails: smooth/box (0.131" x 3.5) or common (0.162" x 3.5)	7½" - 11⅞"	1 (shown)	12"			Not Permitted	These minimum requirements are adequate only when all loads are evenly applied to top surface of all plies. If loads are applied to side(s) of beam, see designer's specifications.
	14" - 18"	1	12"				
	24"	1	12"				You are before some of connectors should be 2" from edge.
½" Through Bolts	7½" - 18"	1 (shown)	16"				Fastening for ripples less than½" requires specialconsideration. Contact BlueLinx.
	24"	1	16"				Fasteners must have full embedment in each ply. Nails must be driven straight, not-tightened, or overdriven.
				3½" Screw Length	3½" Screw Length	4" Screw Length	Bolt holes must be 1/32" to 1/16" larger than bolt diameter. Nails must be driven through full thickness of each member. Bolts must be layed. Use a washer under head and nut.
SDS® RS or Simpson SDS Screws	7½" - 18"	1 (shown)	16"				Spacing closer than those indicated may be acceptable, but require evaluation. Please contact BlueLinx.
	24"	1	16"				Install screws per manufacturer's guidelines.
				3½" Screw Length	5½" Screw Length	6½" Screw Length	
Simpson SDW22 WSW3, TimberLOK, or FAALOK Screws	7½" - 18"	1	16"				
	24"	1 (shown)	16"				

BLUELINX CORPORATION
:950 SPECTRUM CIRCLE
MARIETTA, GA
30067

Designer
IN

Created
November 08, 2022

Printed
November 18, 2022

Dealer
BLUE RIDGE LUMBER: OGDENSBURG

Layout Name
22-11203 - DESIGNS BY :OHN

Project
22-11203.3

This document plans to be used as an installation guidedonly. It is meant to be used in conjunction with the manufacturers installation guide, the architectural and structural drawings, and not to replace them.