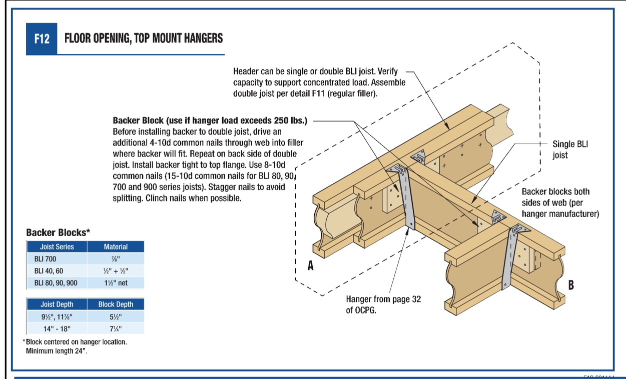
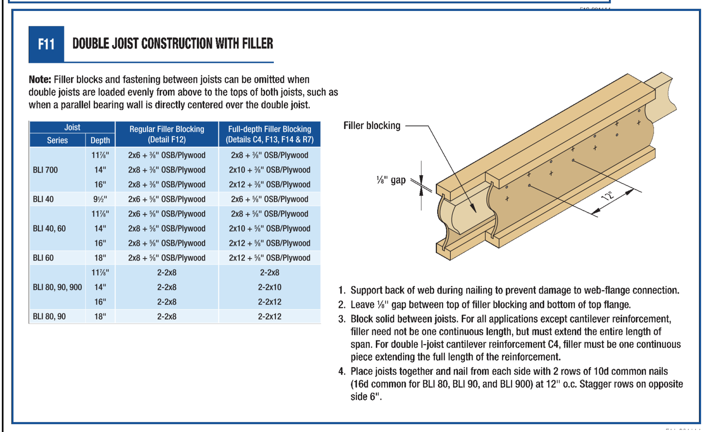
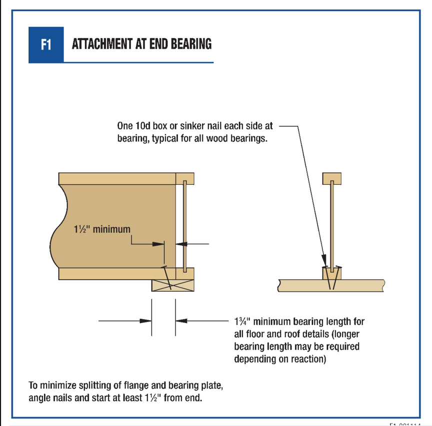
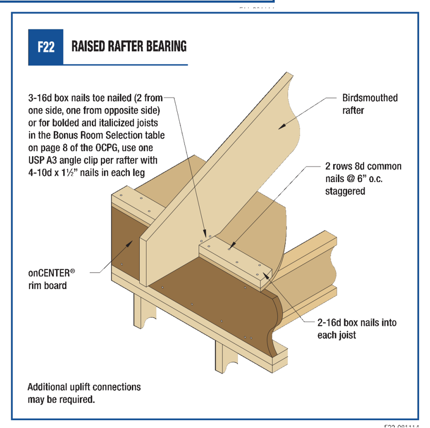
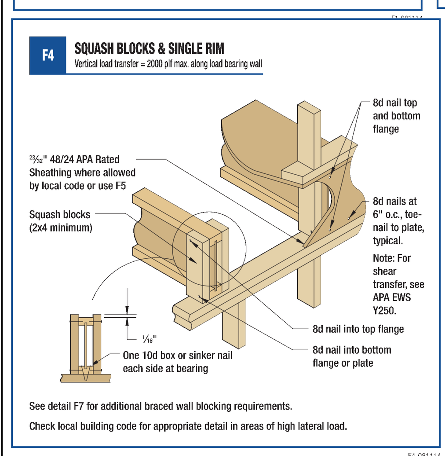


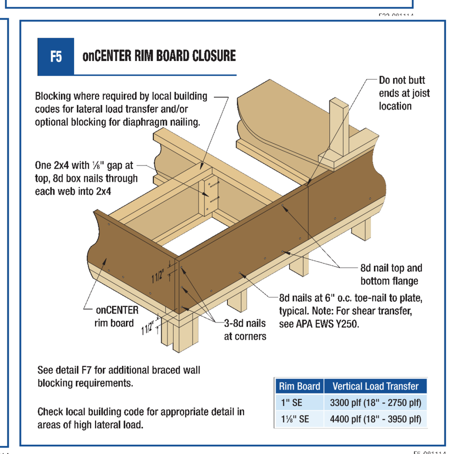


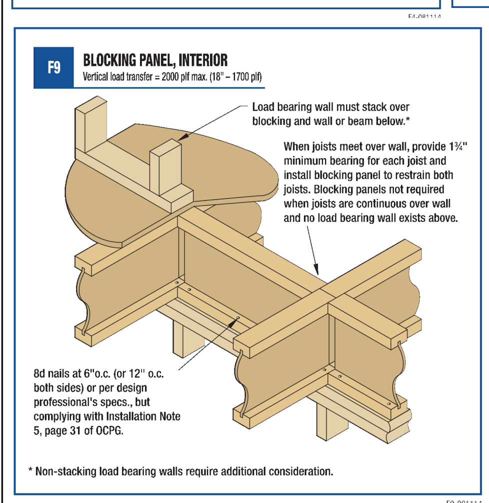
Joist Series	Depth	Regular Filler Blocking (Detail F12)	Full-depth Filler Blocking (Details C4, F13, F14 & R7)
BLI 700	11⅞"	2x6 + ⅜" OSB/Plywood	2x8 + ⅜" OSB/Plywood
	14"	2x8 + ⅜" OSB/Plywood	2x10 + ⅜" OSB/Plywood
	16"	2x8 + ⅜" OSB/Plywood	2x12 + ⅜" OSB/Plywood
BLI 40	9½"	2x6 + ½" OSB/Plywood	2x6 + ½" OSB/Plywood
BLI 40, 60	11⅞"	2x6 + ½" OSB/Plywood	2x8 + ½" OSB/Plywood
	14"	2x8 + ½" OSB/Plywood	2x10 + ½" OSB/Plywood
	16"	2x8 + ½" OSB/Plywood	2x12 + ½" OSB/Plywood
BLI 60	18"	2x8 + ½" OSB/Plywood	2x12 + ½" OSB/Plywood
BLI 80, 90, 900	11⅞"	2-2x8	2-2x8
	14"	2-2x8	2-2x10
	16"	2-2x8	2-2x12
BLI 80, 90	18"	2-2x8	2-2x12

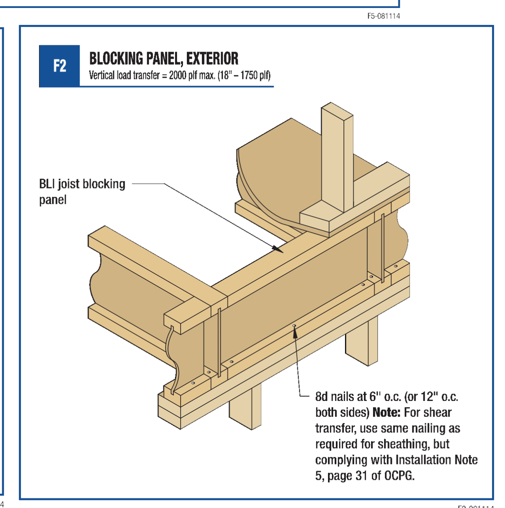










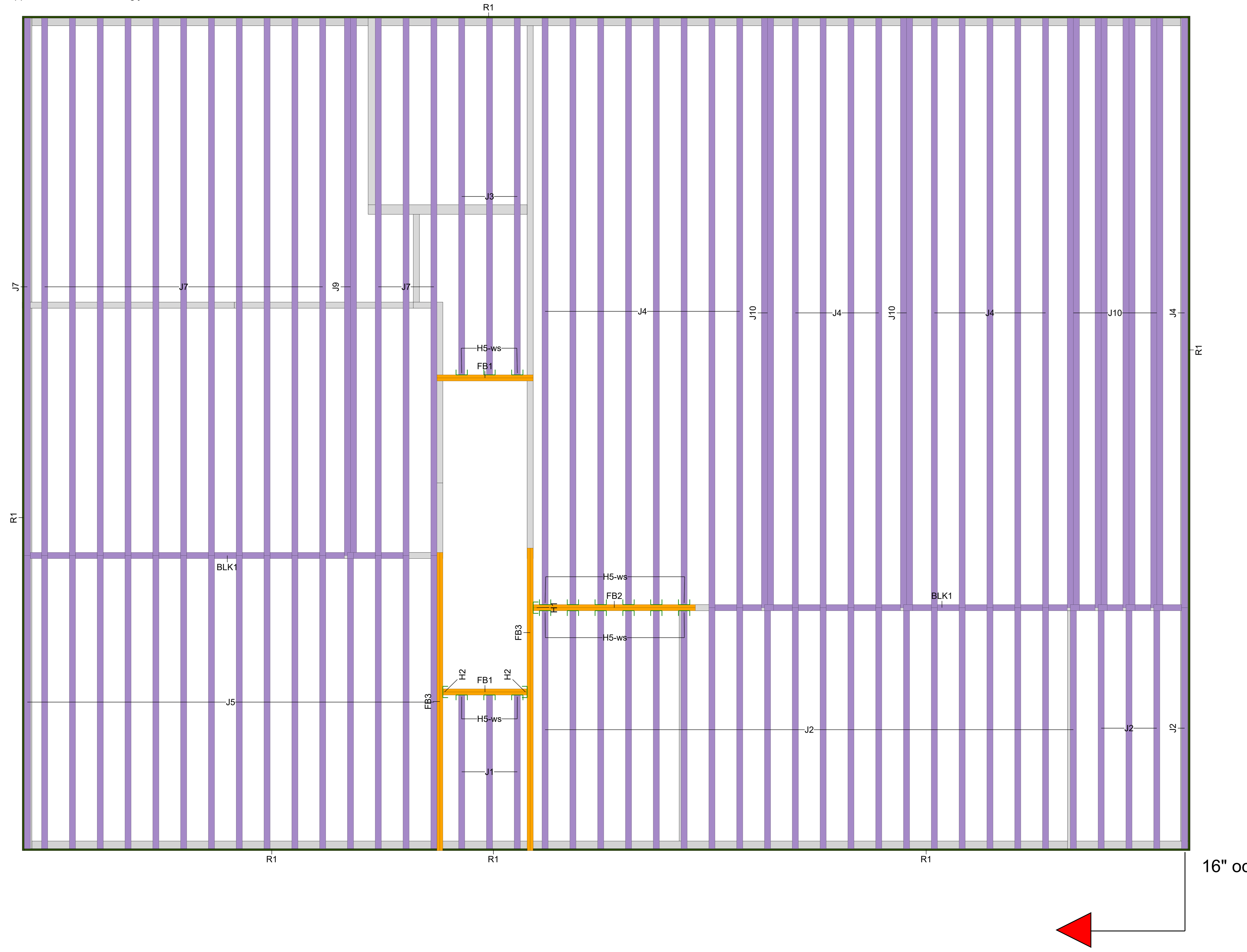


Maximum Uniform Load (PLF) Applied to Either or Both Outside Plies

Fastener Type	Fastener Rows	Fastener Spacing	3½" Wide (2-ply 1¾") 7¼"-11⅞"	3½" Wide 14"-18"	3½" Wide 24"	5¼" Wide (3-ply 1¾") 7¼"-11⅞"	5¼" Wide 14"-18"	5¼" Wide 24"	7" Wide (4-ply 1¾") 7¼"-18"	7" Wide 24"
16d Pneumatic Nails (0.131" x 3.5")	2 (shown)	12"	388			291				
	3	12"	583	583		437	437			
	4	12"	777	777	777	583	583	583		
16d Common Nails (0.162" x 3.5")	2 (shown)	12"	564			423				
	3	12"	845	845		634	634			
	4	12"	1127	1127	1127	845	845	845		
½" Through Bolts	2 (shown)	24"	507	507		381	381		338	
		16"	761	761		571	571		507	
	3	24"	761	761	761	571	571	571	507	507
		16"	1142	1142	1142	856	856	856	761	761
			3½" Screw Length			3½" Screw Length			6" Screw Length	
WS Screws	2 (shown)	24"	487	487		365	365		324	
		16"	730	730		547	547		487	
	3	24"	730	730	730	547	547	547	487	487
		16"	1095	1095	1095	821	821	821	730	730
SDS Screws	2 (shown)	24"	680	680		510	510		453	
		16"	1020	1020		765	765		680	
	3	24"	1020	1020	1020	765	765	765	680	680
		16"	1530	1530	1530	1148	1148	1148	1020	1020
			3⅜" Screw Length			5" Screw Length			6¾" Screw Length	
SDW22 Screws	2	24"	800	800		450	450		400	
		16"	1200	1200		675	675		600	
	3 (shown)	24"	1200	1200	1200	675	675	675	600	600
		16"	1800	1800	1800	1013	1013	1013	900	900
TrussLOK Screws	2	24"	534	534		398	398		354	
		16"	801	801		597	597		530	
	3 (shown)	24"	801	801	801	597	597	597	530	530
		16"	1201	1201	1201	895	895	895	795	795

upper level floor and ceiling joist

Scale 1/4 inch : 1 ft.



PLEASE REVIEW INSTALLATION GUIDE PRIOR TO INSTALLATION.

upper level floor and ceiling joist

I Joist

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J4	BLI 90	3.5	16			18	30-0-0
J10	BLI 90	3.5	16	6	2	12	30-0-0
J7	BLI 90	3.5	16			15	26-0-0
J9	BLI 90	3.5	16	1	2	2	26-0-0
J3	BLI 90	3.5	16			3	18-0-0
J5	BLI 90	3.5	16			16	16-0-0
J2	BLI 90	3.5	16			24	12-0-0
J1	BLI 90	3.5	16			3	8-0-0

Blocking

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
BLK1	BLI 90	3.5	16	LinFt		Varies	34-0-0

Rim Board

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	onCENTER Rim Board SE 1.125 X 16	1.125	16			16	12-0-0

LVL/LSL

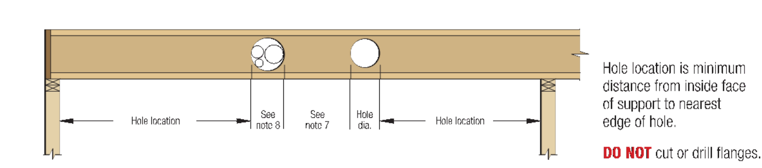
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB3	onCENTER 2.1E LVL	1.75	16	2	2	4	16-0-0
FB2	onCENTER 2.1E LVL	1.75	16	1	2	2	8-0-0
FB1	onCENTER 2.1E LVL	1.75	16	2	2	4	6-0-0

Hanger

Label	Pcs	Description	Beam/Girder fasteners	Supported Member fasteners
H1	1	HGUS414	66 16d	22 16d
H2	2	HUC416 (Min)	20 16d	8 10d
H5	18	IUS3.56/16 (Max)	16 10d	2 10dx1 1/2

Builder must check correctness of this drawing PRIOR to erection of this system.
This drawing is conceptual and should be used with the Architectural plans to
Insure proper joist and beam placement.

HOLES



Allowable Hole Location for all BLI Joists (Simple or Multiple Span)

Joist Depth	Joist Clear Span	2"	3"	4"	5"	6¼"	7"	8"	8⅝"	9"	10"	10¾"	11"	12"	12¾"
9½"	10'	0'-6"	0'-6"	0'-9"	1'-9"	3'-3"									
	12'	0'-6"	1'-3"	2'-3"	3'-3"	4'-6"									
	14'	0'-6"	1'-0"	2'-3"	3'-6"	5'-6"									
	16'	0'-6"	0'-6"	2'-0"	3'-6"	5'-9"									
	18'	0'-6"	0'-6"	0'-9"	2'-6"	5'-0"									
11⅞"	12'	0'-6"	0'-6"	0'-9"	1'-0"	1'-9"	2'-6"	3'-9"	4'-6"						
	14'	0'-6"	0'-6"	0'-9"	1'-9"	3'-3"	4'-0"	5'-3"	6'-0"						
	16'	0'-6"	1'-3"	2'-3"	3'-3"	4'-6"	5'-6"	6'-6"	7'-6"						
	18'	1'-6"	2'-6"	3'-6"	4'-6"	6'-0"	6'-9"	8'-0"							
	20'	0'-9"	2'-0"	3'-3"	4'-6"	6'-3"	7'-3"	8'-9"							
	22'	1'-6"	2'-9"	4'-0"	5'-6"	7'-3"	8'-3"	9'-9"							
	24'	0'-6"	1'-9"	3'-3"	4'-9"	7'-0"	8'-3"	10'-0"	11'-3"						
14"	14'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-6"	2'-6"	3'-3"	3'-9"	4'-9"	5'-9"			
	16'	0'-6"	0'-6"	0'-9"	1'-0"	2'-0"	2'-9"	4'-0"	4'-6"	5'-0"	6'-3"	7'-3"			
	18'	0'-6"	0'-6"	1'-0"	2'-0"	3'-3"	4'-3"	5'-3"	6'-0"	6'-6"	7'-9"				
	20'	0'-6"	0'-6"	0'-9"	1'-6"	3'-0"	4'-0"	5'-3"	6'-3"	6'-9"	8'-6"				
	22'	0'-6"	0'-6"	1'-6"	2'-9"	4'-3"	5'-6"	6'-9"	7'-9"	8'-3"	10'-0"				
	24'	0'-6"	1'-0"	2'-3"	3'-6"	5'-3"	6'-3"	7'-9"	8'-9"	9'-3"	10'-9"				
	26'	0'-6"	0'-6"	1'-0"	2'-6"	4'-6"	5'-9"	7'-6"	8'-6"	9'-3"	11'-3"				
	28'	0'-6"	0'-9"	2'-3"	3'-9"	5'-9"	7'-0"	8'-9"	10'-0"	10'-6"	12'-6"				
16"	14'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-3"	2'-6"	3'-3"	3'-6"	4'-9"	5'-6"
	16'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-6"	2'-3"	2'-9"	3'-9"	4'-6"	5'-0"	6'-3"	7'-0"
	18'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	2'-0"	3'-0"	3'-6"	4'-0"	5'-3"	6'-0"	6'-3"	7'-6"	
	20'	0'-6"	0'-6"	0'-9"	1'-3"	2'-6"	3'-3"	4'-3"	5'-0"	5'-6"	6'-6"	7'-6"	7'-9"	9'-0"	
	22'	0'-6"	0'-6"	0'-9"	1'-0"	1'-9"	2'-9"	4'-0"	4'-9"	5'-3"	6'-9"	7'-9"	8'-3"	9'-9"	
	24'	0'-6"	0'-6"	0'-9"	1'-6"	3'-0"	4'-0"	5'-3"	6'-0"	6'-9"	8'-0"	9'-3"	9'-9"	11'-3"	
	26'	0'-6"	0'-6"	0'-9"	2'-0"	3'-9"	4'-9"	6'-0"	7'-0"	7'-6"	9'-0"	10'-3"	10'-6"	12'-3"	
	28'	0'-6"	0'-6"	0'-9"	1'-0"	2'-6"	3'-6"	5'-3"	6'-3"	7'-0"	8'-9"	10'-3"	10'-9"	12'-9"	
	30'	0'-6"	0'-6"	0'-9"	1'-9"	3'-9"	5'-0"	6'-6"	7'-6"	8'-3"	10'-0"	11'-6"	11'-9"	13'-9"	
	32'	0'-6"	0'-6"	0'-9"	1'-0"	2'-3"	3'-6"	5'-6"	6'-9"	7'-6"	9'-6"	11'-0"	11'-6"	13'-9"	
18"	16'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-3"	2'-6"	3'-6"	4'-6"
	18'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-6"	3'-3"	3'-9"	4'-9"	5'-9"
	20'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-9"	2'-3"	2'-9"	3'-9"	4'-9"	5'-0"	6'-3"	7'-3"
	22'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	3'-6"	4'-6"	4'-9"	6'-3"	7'-6"
	24'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	2'-0"	3'-0"	3'-3"	4'-9"	5'-9"	6'-3"	7'-9"	8'-9"
	26'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	2'-0"	2'-9"	3'-3"	4'-9"	6'-0"	6'-3"	8'-0"	9'-3"
	28'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-3"	2'-3"	3'-0"	4'-9"	6'-0"	6'-6"	8'-3"	9'-9"
	30'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	2'-6"	3'-9"	4'-3"	6'-0"	7'-3"	7'-9"	9'-9"	11'-3"
	32'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-0"	1'-9"	2'-6"	4'-6"	6'-0"	6'-6"	8'-9"	10'-6"
	34'	0'-6"	0'-6"	0'-9"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	2'-9"	4'-9"	6'-6"	7'-0"	9'-3"	11'-3"

NOTES:

1. Hole locations are based on uniform loads of 40 psf live and 10 or 20 psf dead, and worst case of simple or multiple spans from page 7.
2. For joist clear spans between those shown, check minimum distance for both spans adjacent to that span, and use the larger distance. Example: 7" diameter hole in 16" joist clear spanning 21'-9". At 20', tabulated distance is 3'-3"; at 22', distance is 2'-9". Use 3'-3" as minimum distance.
3. For multiple span applications, use longest span to determine permissible hole locations in either span.
4. Holes may be placed vertically anywhere in web, but a minimum clearance of ⅛" must be maintained from flange.
5. To determine locations for rectangular holes, multiply longest side of rectangular hole by 1.33 and use table to find location for that round hole diameter. Then add (round hole diameter – rectangular hole length) / 2. Example: for a rectangular hole 4" long and 6" high, the longest side is 6", so the round hole diameter to look up would be 1.33 x 6, or 8". Say the tabulated minimum distance for the 8" hole is 10'-0". Adding (8" - 4") / 2, or 2" gives a minimum distance of 10'-2" for the rectangular hole.
6. Small holes (1½" diameter and less) may be located anywhere in web if: A) Spaced a minimum horizontal clear distance of 2 diameters, but no less than 1", from any hole, B) No more than 2 small holes are placed next to each other and/or adjacent to larger holes, and C) Adjacent groups of small holes are spaced a minimum horizontal clear distance of 12".
7. Holes larger than 1½" diameter must meet the following requirements for minimum clear distance between holes: A) Two round holes - 2 times the larger hole diameter. B) A rectangular hole and a round hole - 2 times the hole diameter or 2 times the rectangular hole width, whichever is greater.
8. Multiple round holes grouped closely together may be considered as a single hole circumscribing them.
9. For other conditions, or for more precise hole locations, use Doma Sizer™ software.

EXAMPLE:
Determine the allowable location for an 8" round hole in an 11⅞" BLI 60 joist spanning 17'- 4". In the leftmost column locate the joist depth of 11⅞". In the next column, find both the 16' row and the 18' row. Following the 16' row across to the column for an 8" diameter hole yields a distance of 6'-6". The 18' row yields a distance of 8'-0". The larger distance controls, so 8'-0" is the minimum clear distance for an 8" round hole.

BLUELINX
4952 Sandy Lane
Barataria, LA
USA
70036
504-650-2144

upper level floor and ceiling joist	
Design Method	ASD (USA)
Building Code	IBC/IRC 2015
Floor	
Loads	
Live	40
Dead	15
Deflection Joist	
LL Span L/	480
TL Span L/	240
Deflection Flush Girder	
LL Span L/	480
TL Span L/	240
Deflection Dropped Girder	
LL Span L/	480
TL Span L/	240
Deflection Header	
LL Span L/	480
TL Span L/	240
Decking	
Decking	SPF Plywood 5/8 APA Rated Sturd-I-Floor
Fastener	Nailed Only

This drawing is a general interpretation of the construction drawings for this project and assumes the adequacy of the supporting structure. It is intended only as a general guide for the engineered wood products placement. All Dimensions, quantities and details must be carefully checked, verified by comparison to the actual field conditions and are the responsibility of the client, architect/engineer and builder.

Important Notes

Review Manufacturers' installation guide for additional structural details where necessary.

Do Not cut or notch top or bottom floanges of joists to provide clearance for plumbing fixtures. Offset and/or install additional joists to provide clearance.

All dimensional stock "Dropped headers" by others

All Steel beams, angles and columns by others

ADDITIONAL NOTES

1. Do not Brace roof to walls above Floor trusses, Roof should be braced to stacking walls or wall supported by LVL.
2. Please Review plumbing prior to installing joist/truss. You may shift 1 joist 3" to avoid plumbing.
3. All dimensions to be verified in field prior to ordering.
4. Please "stop and call" if you are missing any materials. Do not use substitutions that have not been approved.
5. You must install specified products, any substitutions will void warranty.
6. "Stop and call" you lumber dealer if design is not matching your plan. For example a wall has been moved.
7. If you cut top or bottom flange/chord, "STOP". Replace joist or call for repair before proceeding.
8. Install hangers with joist, truss and beams. Do not toe nail and come back later.
9. Review all beams prior to installation. If rafter (rake) cut is required, please call the office for minimum heel heights before construction.

Legend

ws	Web Stiffener
-ws	In Hanger Label Denotes Web Stiffener
	2x4
	Wall
	onCENTER Rim Board SE 1.125 X 16
	BLI 90 16
	onCENTER 2.1E LVL 1.75 X 16

Project	24-03547
Dealer	Phillips Bldg Supply
Layout Name	mark shiffer - shoreline park
Created	April 23, 2024
Revised	April 23, 2024
Designer	Christine Hertz

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