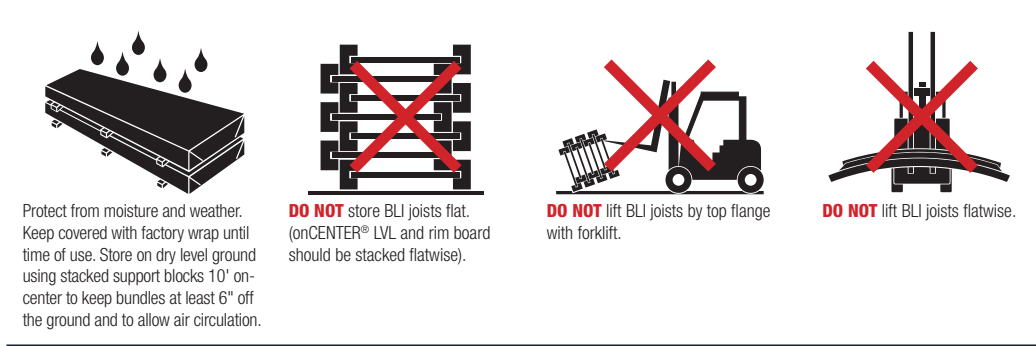
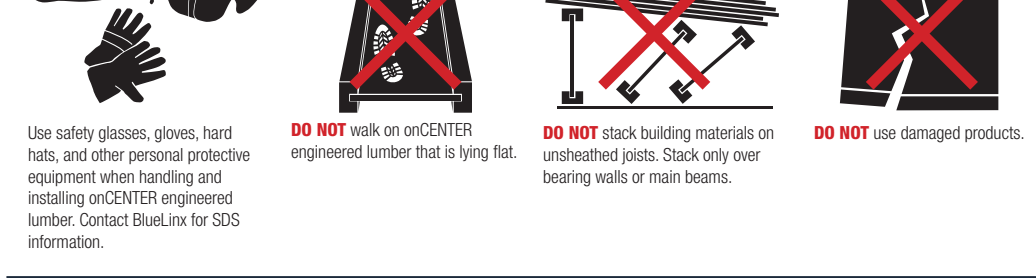


STORAGE & HANDLING



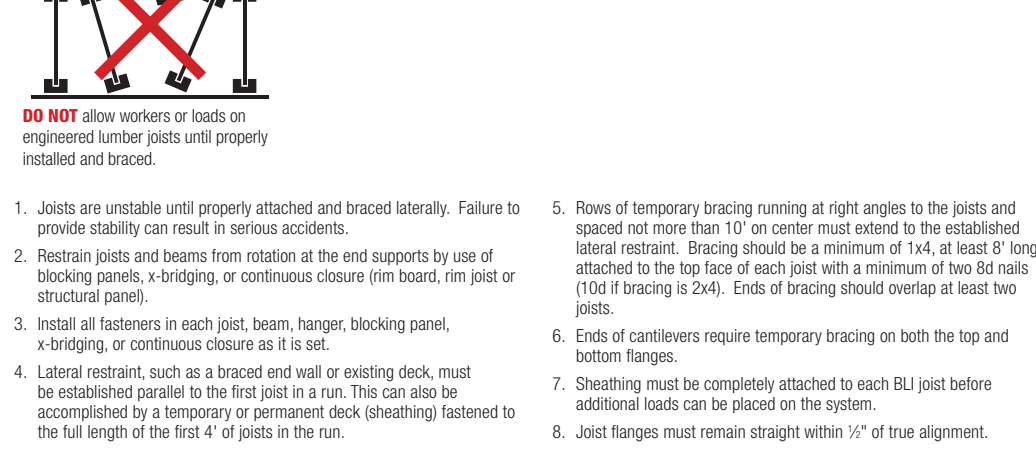
Protect from moisture and weather. Keep covered with factory wrap until time of use. Store on level ground using stacked support blocks 10" on-center to keep bundles at least 8" off ground and to allow air circulation.

SAFETY PRECAUTIONS



Use safety glasses, gloves, hard hats, and other personal protective equipment when handling and installing onCENTER engineered lumber. Contact BlueLinx for SDS information.

BRACING REQUIREMENTS



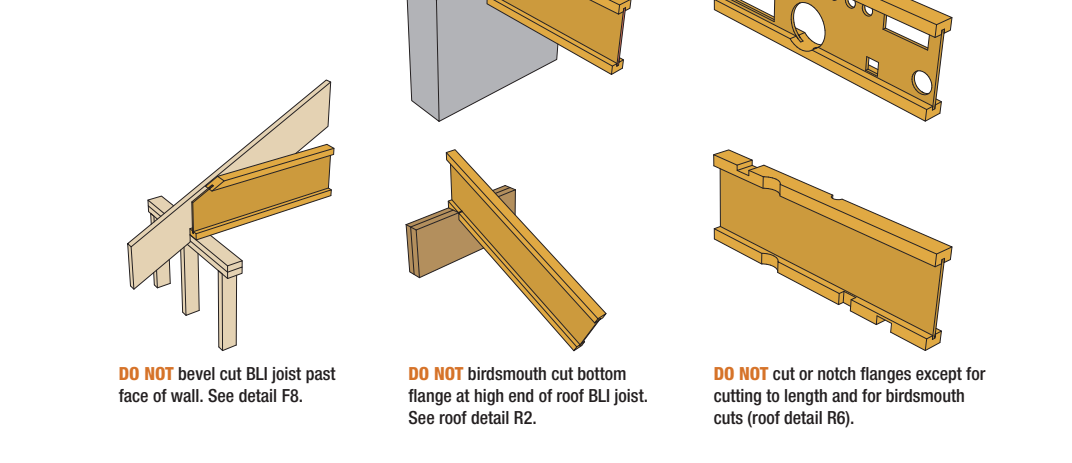
Joints are unstable until properly attached and braced laterally. Failure to provide stability can result in various accidents. Reinforce joints and beams with rotation at the end supports by use of blocking panels, x-bracing, or continuous chord (rim board, rim joist or structural panel). Install all fasteners in each joint, beam, hanger, blocking panel, x-bracing, or continuous chord as it is set. Lateral restraint, such as a braced end wall or existing dock, must be installed parallel to the first joint in a run. This can also be accomplished by a temporary or permanent deck sheathing fastened to the full length of the face of all joints in a run.

INSTALLATION NOTES

- BlueLinx onCENTER products must be protected from weather and used only in covered dry conditions (conditions in which moisture content of solid sawn lumber is less than 19%).
- BLU joists and LVL must be restrained from rotation at ends and each support. This is for compression edge must have continuous lateral support, such as properly installed sheathing directly attached to the compression edge.
- Engineered lumber should not be installed in direct contact with masonry or concrete.
- When not specified in this guide, common, box or anchors must be used.
- When nailing to the wide face of BLU joist flanges, maintain spacing within the following ranges:

Joist Spacing	BLU 40	BLU 60	BLU 80	BLU 100	BLU 120	BLU 140	BLU 160	BLU 180	BLU 200
12" o.c.	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"
16" o.c.	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"
24" o.c.	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"	12" - 18"

INSTALLATION CAUTIONS



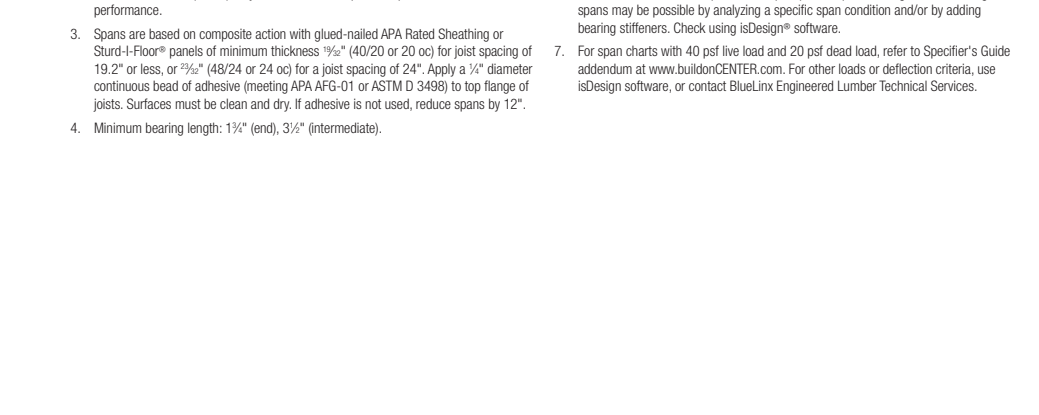
Do not nail over web or cut notches. Do not nail over cutouts. Do not nail over notches. Do not nail over cutouts.

FLOOR SPANS

40 PSF Live Load + 10 PSF Dead Load (L400)

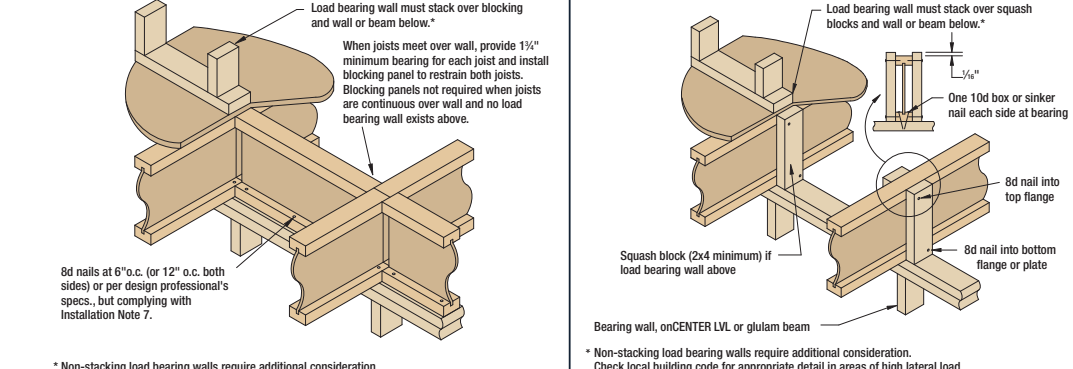
Joist Spacing	Simple Span				Multiple Span			
	12" o.c.	16" o.c.	24" o.c.	36" o.c.	12" o.c.	16" o.c.	24" o.c.	36" o.c.
BLU 40	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
BLU 60	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
BLU 80	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
BLU 100	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
BLU 120	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
BLU 140	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
BLU 160	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
BLU 180	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
BLU 200	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"

Notes: Spans are maximum clear distance between supports. Uniform loading is assumed. Use load reduction factors as shown in Table 2.1 of ASCE 7-16. For multiple span joists (two or more spans), and spans must be at least 40' apart.



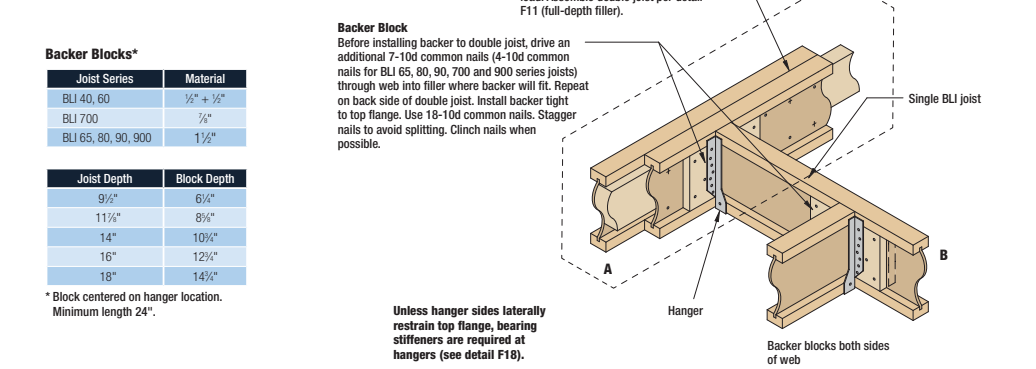
Notes: Spans are maximum clear distance between supports. Uniform loading is assumed. Use load reduction factors as shown in Table 2.1 of ASCE 7-16. For multiple span joists (two or more spans), and spans must be at least 40' apart.

BLOCKING WALL, INTERIOR



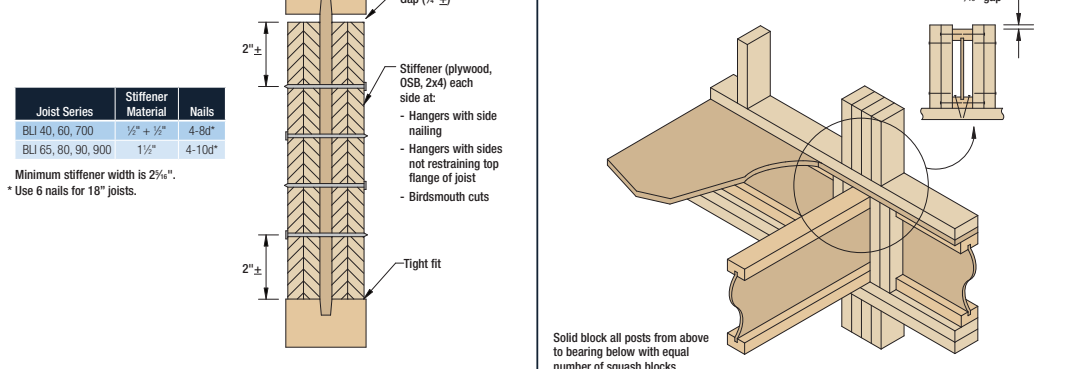
Load bearing wall must rest on foundation and wall on level base. Blocking must be installed on both sides of beam. Blocking must be installed on both sides of beam. Blocking must be installed on both sides of beam.

SQUASH BLOCKS AT INTERIOR BEARING



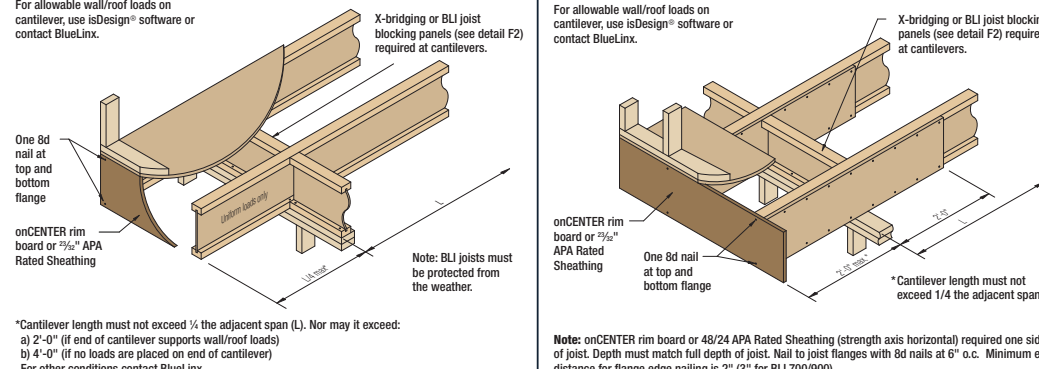
Load bearing wall must rest on foundation and wall on level base. Blocking must be installed on both sides of beam. Blocking must be installed on both sides of beam. Blocking must be installed on both sides of beam.

BEARING STIFFENERS



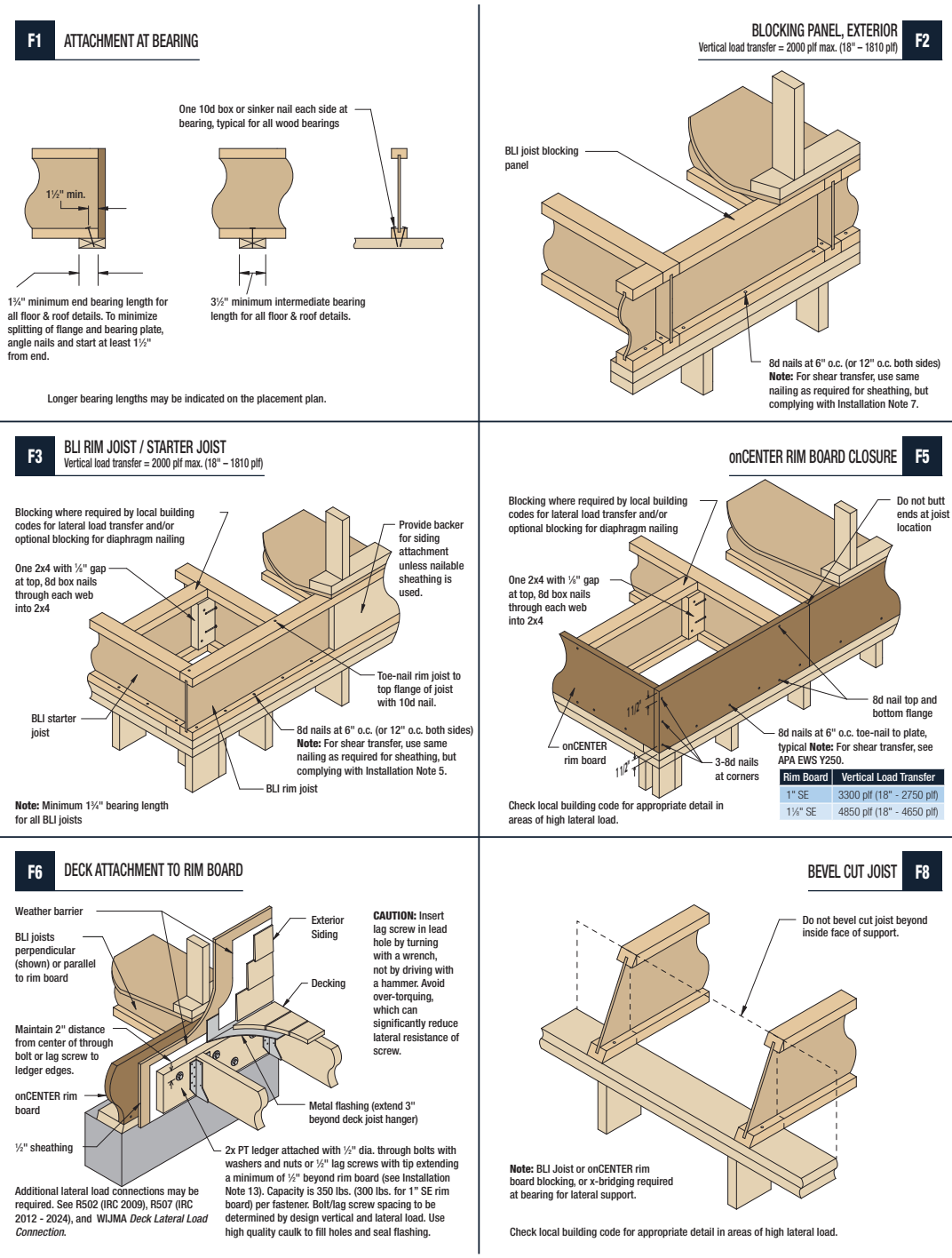
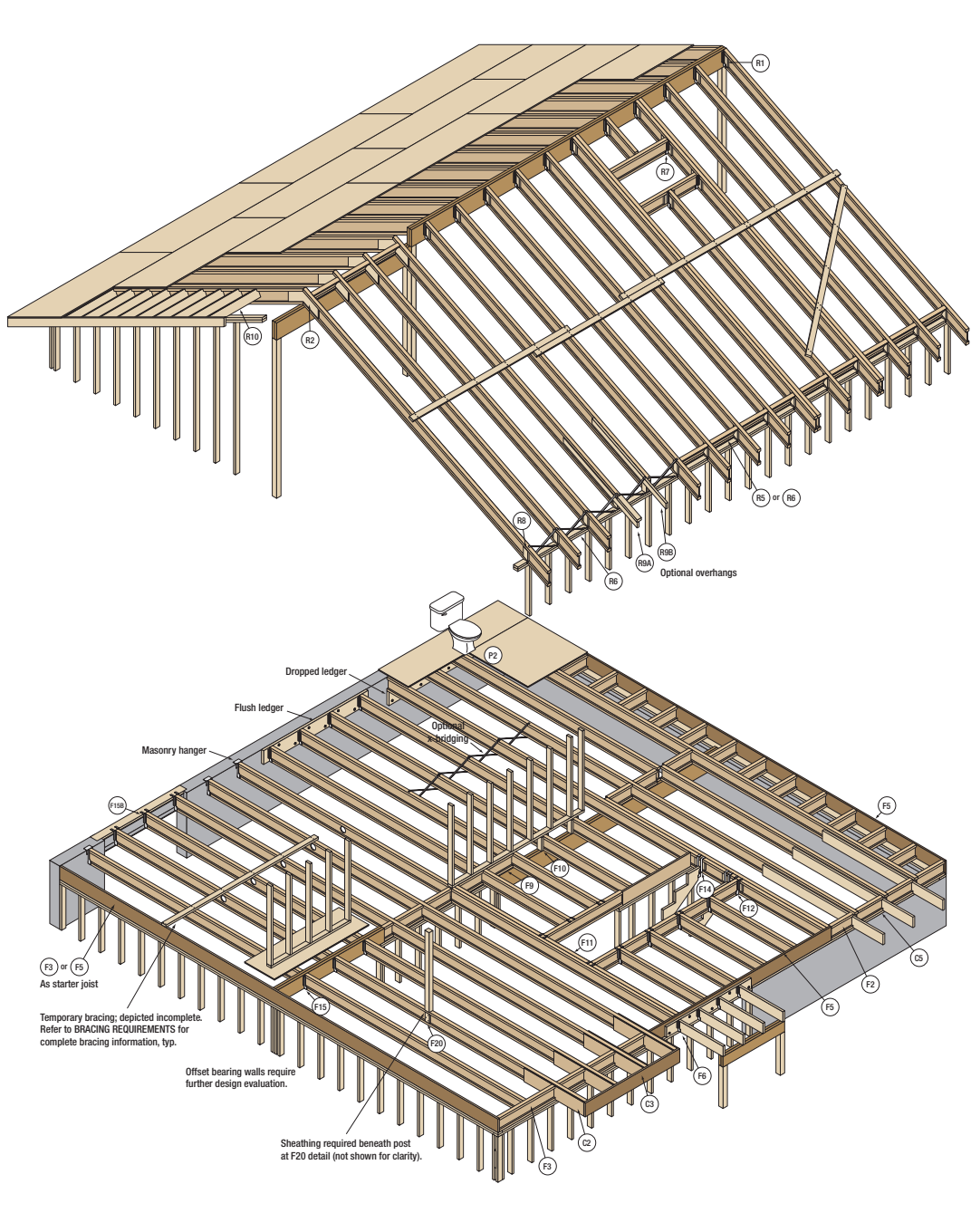
For double wall-to-wall beams on continuous or cantilevered supports. For double wall-to-wall beams on continuous or cantilevered supports. For double wall-to-wall beams on continuous or cantilevered supports.

CANTILEVER, UNREINFORCED

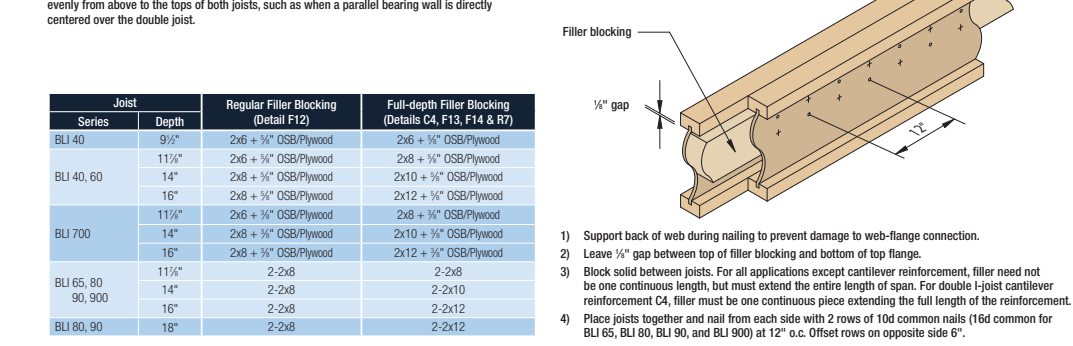


For double wall-to-wall beams on continuous or cantilevered supports. For double wall-to-wall beams on continuous or cantilevered supports. For double wall-to-wall beams on continuous or cantilevered supports.

onCENTER FRAMING SYSTEMS

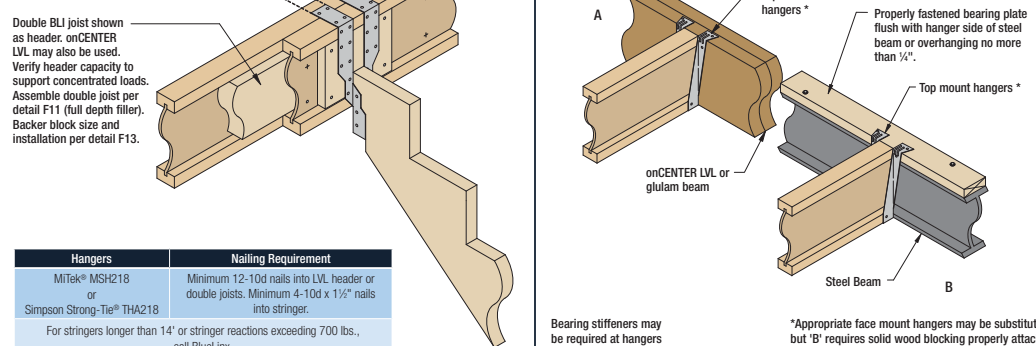


DOUBLE JOIST CONNECTION WITH FILLER



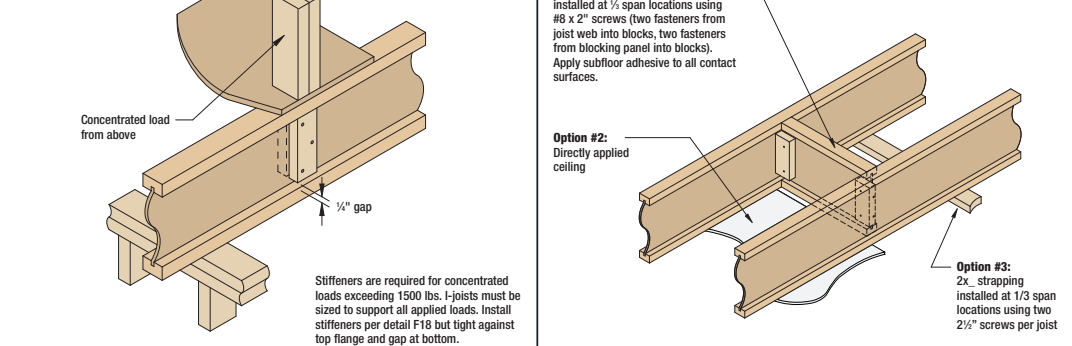
Note: Fiber blocks and blocking between joists can be used when double joists are loaded evenly from above to the top of joist ends, such as when a parallel bearing wall is directly centered over the double joist.

FLOOR OPENING, FACE MOUNT HANGERS



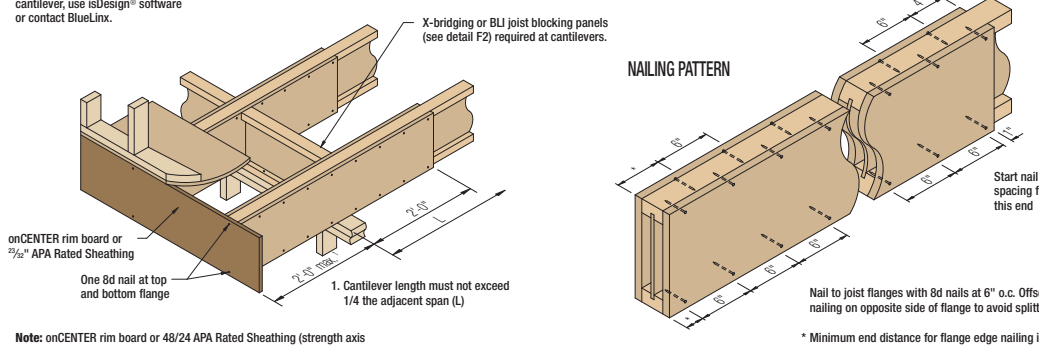
Face mount hangers must be installed on both sides of beam. Face mount hangers must be installed on both sides of beam. Face mount hangers must be installed on both sides of beam.

FLOOR PERFORMANCE ENHANCERS



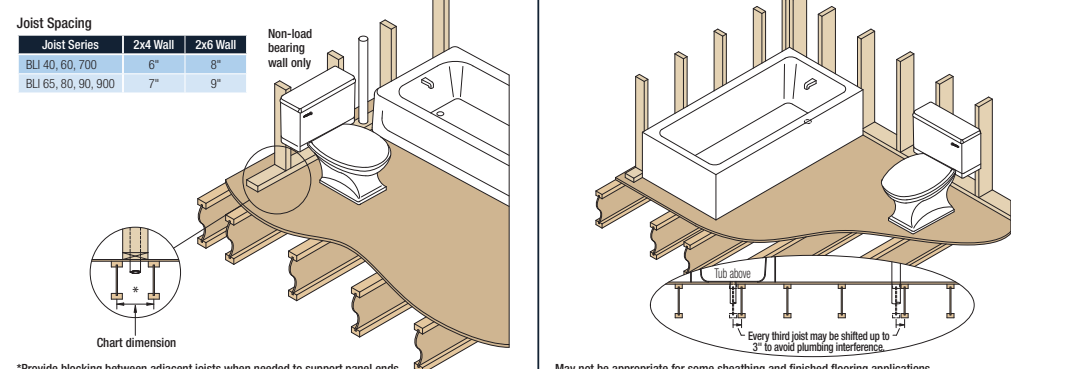
Face mount hangers must be installed on both sides of beam. Face mount hangers must be installed on both sides of beam. Face mount hangers must be installed on both sides of beam.

CANTILEVER, DOUBLE REINFORCEMENT



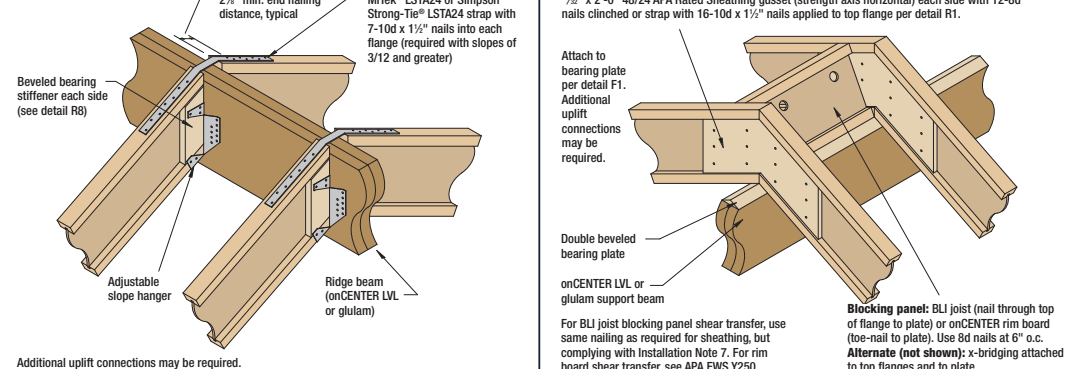
For double wall-to-wall beams on continuous or cantilevered supports. For double wall-to-wall beams on continuous or cantilevered supports. For double wall-to-wall beams on continuous or cantilevered supports.

JUST SPACING BELOW PLUMBING FITURES



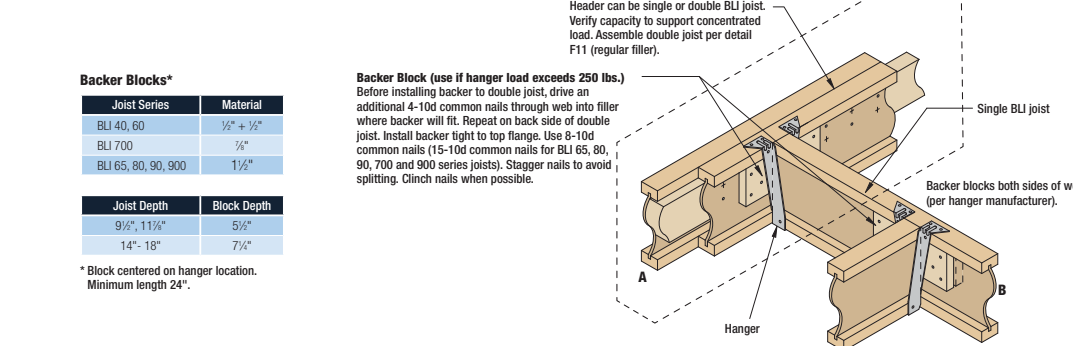
Just spacing must be installed on both sides of beam. Just spacing must be installed on both sides of beam. Just spacing must be installed on both sides of beam.

JOISTS ABOVE ROOF SUPPORT BEAM



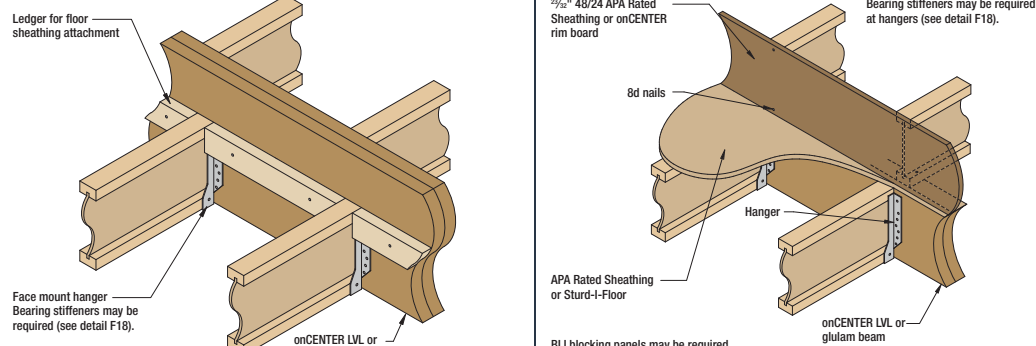
Joists must be installed on both sides of beam. Joists must be installed on both sides of beam. Joists must be installed on both sides of beam.

FLOOR OPENING, TOP MOUNT HANGERS



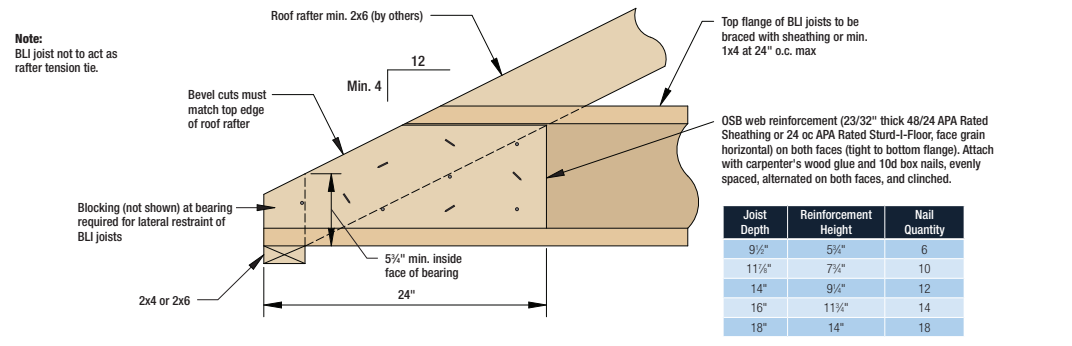
Top mount hangers must be installed on both sides of beam. Top mount hangers must be installed on both sides of beam. Top mount hangers must be installed on both sides of beam.

JUST TO BEAM CONNECTION, STEP DOWN



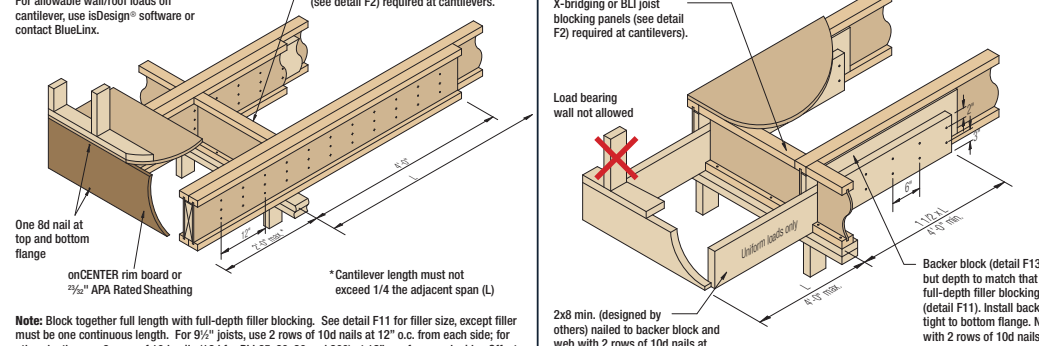
Just to beam connections must be installed on both sides of beam. Just to beam connections must be installed on both sides of beam. Just to beam connections must be installed on both sides of beam.

TAPER CUT REINFORCEMENT



Taper cut reinforcement must be installed on both sides of beam. Taper cut reinforcement must be installed on both sides of beam. Taper cut reinforcement must be installed on both sides of beam.

CANTILEVER, DROPPED

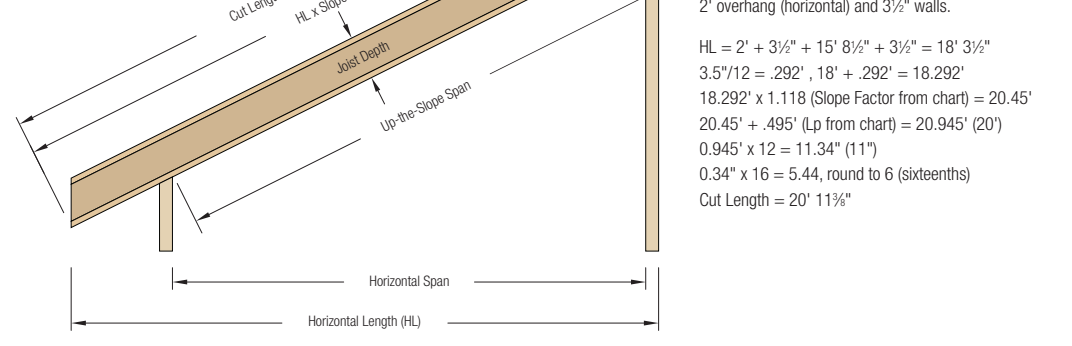


Cantilevers must be installed on both sides of beam. Cantilevers must be installed on both sides of beam. Cantilevers must be installed on both sides of beam.

ROOF SLOPE FACTORS & PLUMB CUT INCREASES

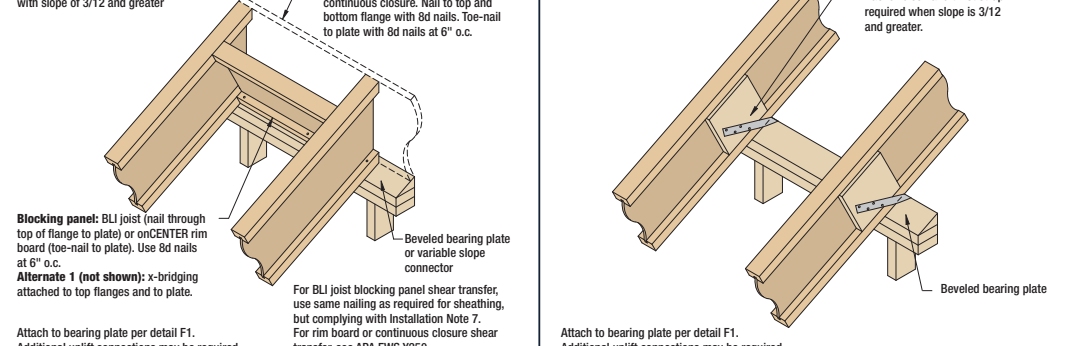
Slope (12 in. Rise / 12 in. Run)	Roof Slope Factors											
	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	
2:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
3:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
4:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
5:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
7:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
9:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
10:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
11:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
12:12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

UPPER LEVEL BEARING ON WALL



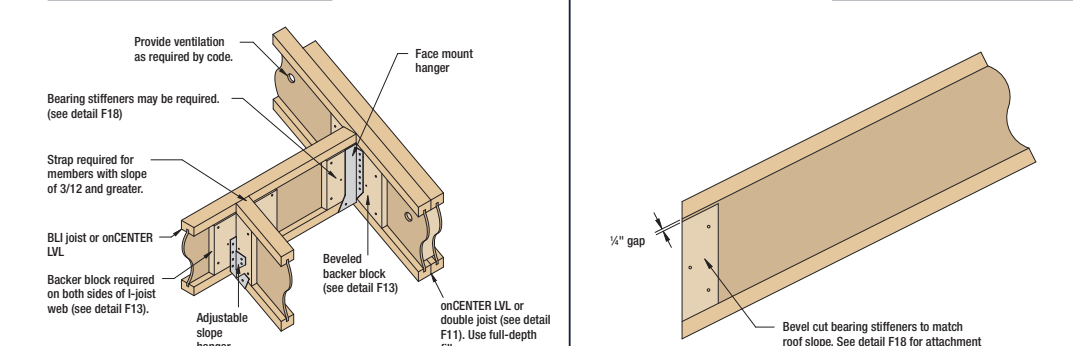
Upper level bearings must be installed on both sides of beam. Upper level bearings must be installed on both sides of beam. Upper level bearings must be installed on both sides of beam.

INTERMEDIATE BEARING



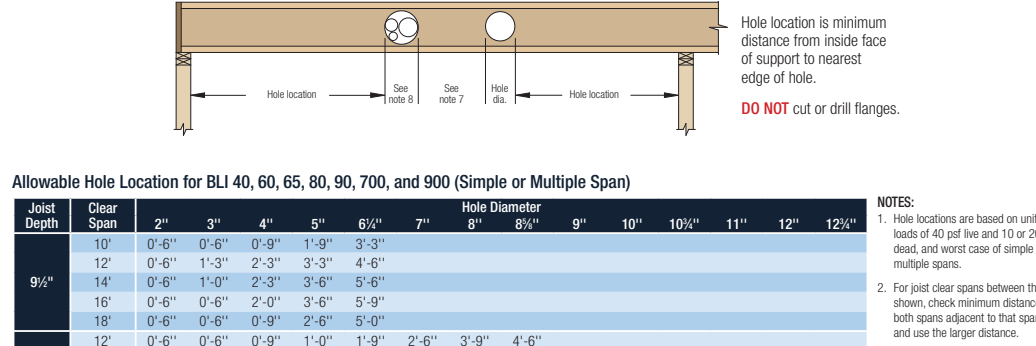
Intermediate bearings must be installed on both sides of beam. Intermediate bearings must be installed on both sides of beam. Intermediate bearings must be installed on both sides of beam.

ROOF OPENING, FACE MOUNT HANGERS



Face mount hangers must be installed on both sides of beam. Face mount hangers must be installed on both sides of beam. Face mount hangers must be installed on both sides of beam.

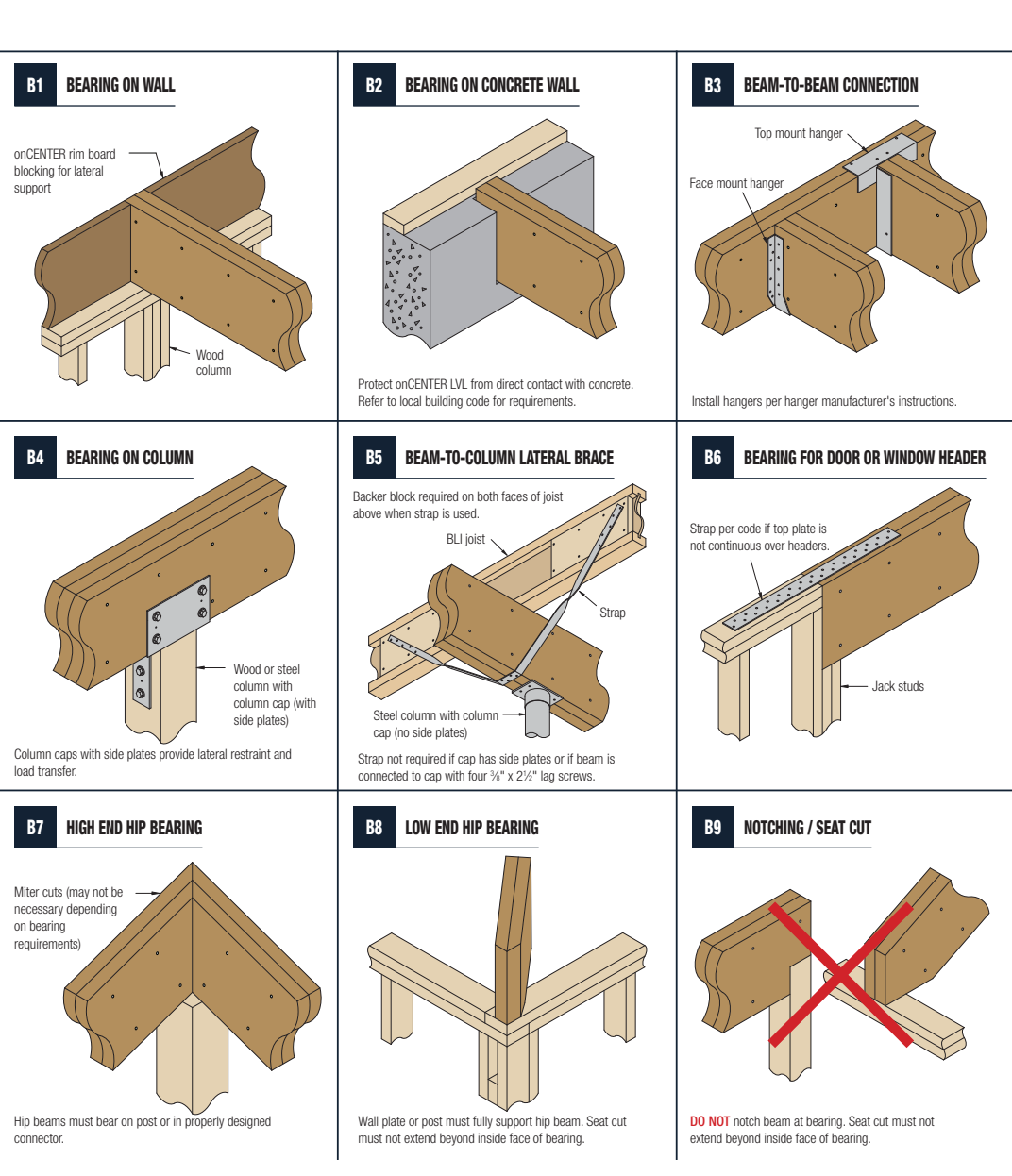
DRILLED CUT BEARING STIFFENERS



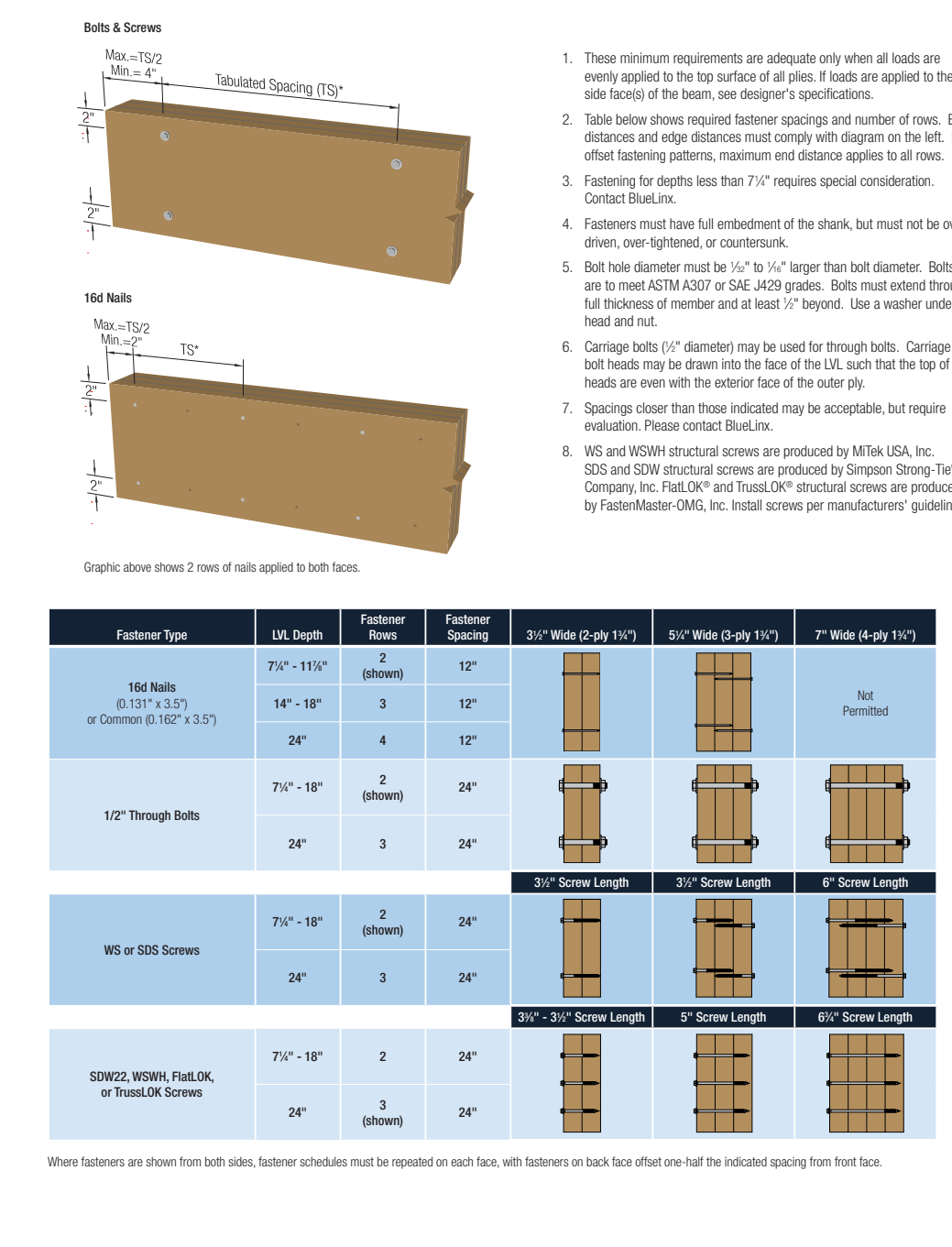
Drilled cut bearing stiffeners must be installed on both sides of beam. Drilled cut bearing stiffeners must be installed on both sides of beam. Drilled cut bearing stiffeners must be installed on both sides of beam.

onCENTER LVL BEARING DETAILS

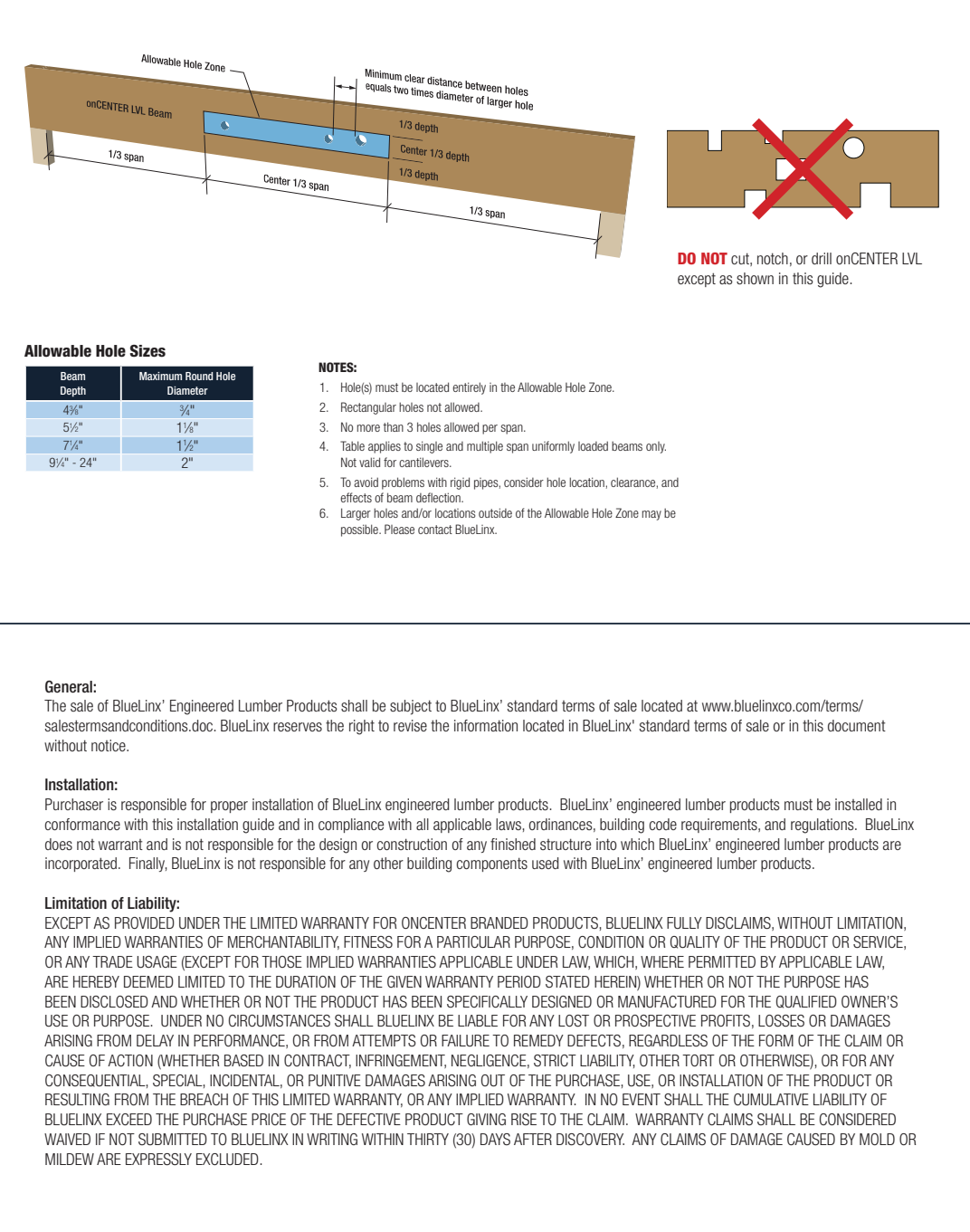
- Required bearing length depends on applied loads, but may not be less than 18" for end and 24" for intermediate bearings.
- Verify adequacy of supporting material to carry applied loads.



MULTIPLE-LVL FASTENING



ALLOWABLE HORIZONTAL HOLES IN onCENTER LVL



BlueLinx Engineered Wood Products

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Manassas, VA 20108
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