



BlueLinx Engineered Products

# QUICK GUIDE

Residential Floor & Roof Systems

3rd Edition

ENGINEERED LUMBER

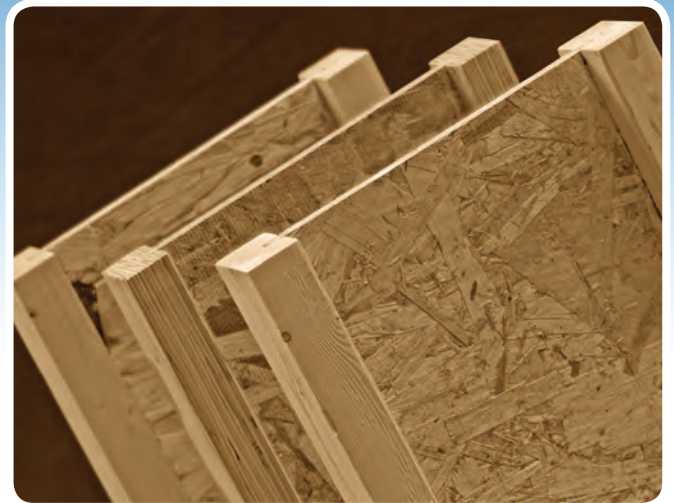






## onCENTER BLI JOISTS

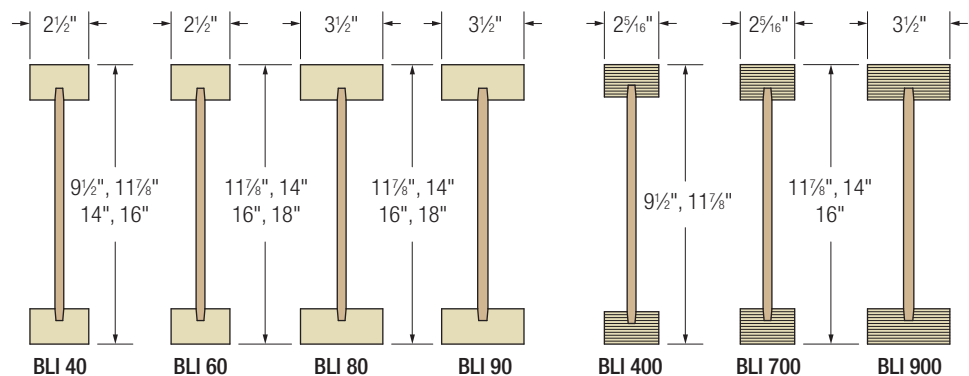
- Lightweight and easy to handle, the I-shaped configuration allows for longer spans and more load-carrying capacity than dimension lumber
- Manufactured with machine stress rated (MSR) or laminated veneer lumber (LVL) flanges and an enhanced OSB web
- Low moisture content means greater dimensional stability resulting in quieter floors and fewer costly callbacks
- Wide flanges provide more support for floor sheathing and more surface area for nailing, saving time and money
- Available in value lengths up to 48' (up to 60' by special order)



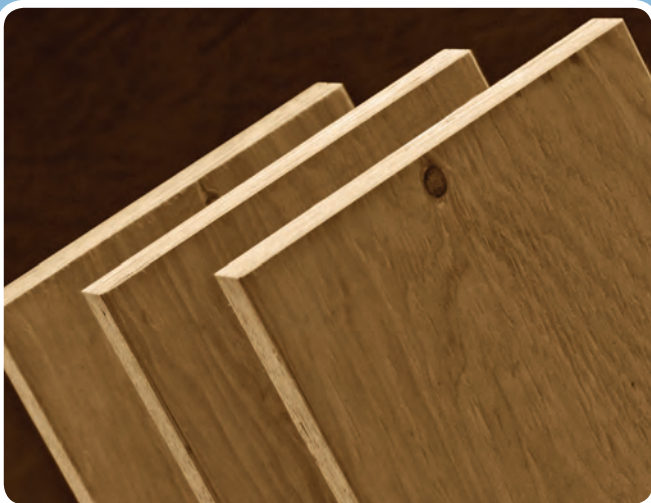
### 40 PSF Live Load (L/480) + 10 PSF Dead Load

Joist Series	Joist Depth	Spacing (Simple Span)				Spacing (Multiple Span)			
		12" o.c.	16" o.c.	19.2" o.c.	24" o.c.	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
BLI 40 / BLI 400	9½"	18'-00"	16'-05"	15'-06"	14'-06"	19'-07"	17'-11"	16'-04"	14'-07"
	11⅞"	21'-05"	19'-07"	18'-06"	16'-08"	23'-05"	20'-05"	18'-07"	16'-07"
BLI 40	14"	24'-04"	22'-03"	20'-06"	18'-04"	25'-11"	22'-05"	20'-05"	18'-03"
	16"	26'-11"	24'-03"	22'-01"	19'-09"	27'-11"	24'-02"	22'-00"	19'-08"
BLI 60	11⅞"	22'-07"	20'-08"	19'-06"	18'-02"	24'-08"	22'-06"	21'-02"	19'-07"
	14"	25'-09"	23'-06"	22'-02"	20'-08"	28'-00"	25'-07"	24'-01"	19'-09"
	16"	28'-06"	26'-00"	24'-07"	22'-10"	31'-01"	28'-04"	24'-09"	19'-09"
	18"	31'-03"	28'-06"	26'-11"	24'-10"	34'-01"	29'-09"	24'-09"	19'-09"
BLI 700	11⅞"	23'-00"	21'-00"	19'-10"	18'-06"	25'-01"	22'-10"	21'-07"	19'-06"
	14"	26'-01"	23'-10"	22'-06"	20'-11"	28'-05"	25'-11"	24'-05"	19'-06"
	16"	29'-00"	26'-05"	24'-11"	23'-01"	31'-07"	28'-09"	24'-05"	19'-06"
BLI 80	11⅞"	24'-11"	22'-08"	21'-04"	19'-10"	27'-01"	24'-08"	23'-03"	21'-07"
	14"	28'-03"	25'-09"	24'-03"	22'-07"	30'-10"	28'-00"	26'-05"	23'-11"
	16"	31'-04"	28'-06"	26'-10"	25'-00"	34'-02"	31'-01"	29'-03"	23'-11"
	18"	34'-02"	31'-01"	29'-03"	24'-10"	37'-03"	33'-10"	30'-09"	24'-07"
BLI 90	11⅞"	25'-07"	23'-03"	21'-11"	20'-05"	27'-11"	25'-04"	23'-10"	21'-10"
	14"	29'-00"	26'-05"	24'-11"	23'-02"	31'-08"	28'-09"	27'-01"	23'-11"
	16"	32'-01"	29'-03"	27'-06"	25'-05"	35'-00"	31'-10"	29'-11"	25'-11"
	18"	35'-01"	31'-11"	30'-01"	24'-10"	38'-03"	34'-09"	31'-09"	25'-05"
BLI 900	11⅞"	26'-04"	24'-00"	22'-07"	21'-00"	28'-08"	26'-01"	24'-07"	22'-10"
	14"	29'-11"	27'-02"	25'-07"	23'-10"	32'-07"	29'-07"	27'-10"	25'-11"
	16"	33'-01"	30'-01"	28'-04"	26'-04"	36'-01"	32'-09"	30'-10"	26'-07"

Spans above are based on uniform loads and composite action with glued-nailed sheathing. For important notes regarding this table, please refer to the onCENTER Engineered Lumber Residential Floor & Roof Systems Product Guide.



Not all products may be available in all locations. Contact BlueLinX for local availability.



## onCENTER 2.0E LVL BEAM AND HEADER

- Resists shrinking, splitting, warping, and checking
- High strength-to-weight ratio
- Easily fasten multiple pieces together to achieve greater thicknesses (up to 7") for higher load carrying capacity
- Protective sealant applied to all factory surfaces for protection from the elements during construction

Thickness	Depths
1 3/4"	7 1/4", 9 1/4", 9 1/2", 11 1/4", 11 1/8", 14", 16", 18", 24"

Available in value lengths up to 60' (lengths exceeding 48' by special order in some locations).

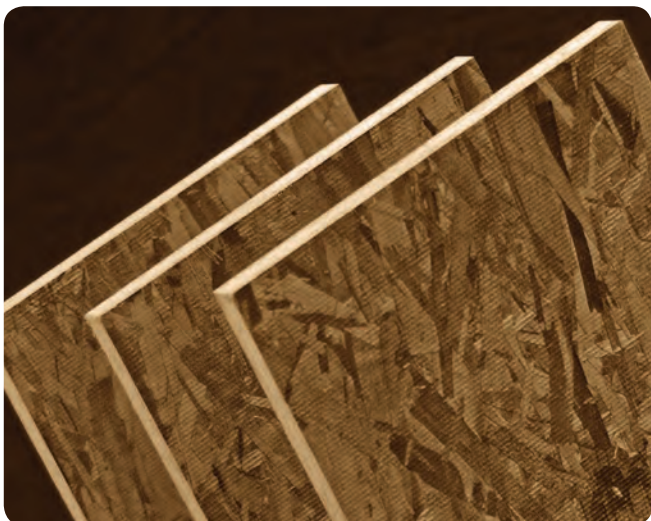


## onCENTER ADVANCED FRAMING LUMBER (AFL)

- Black spruce lumber assembled with a patented process using a double tongue-and-groove edge with waterproof and heat-resistant adhesive
- 100% usability with wane-free edges
- Lightweight and easier to cut and nail than composite lumber
- Available in four grades: 1.6E, 1.7E, 1.9E, and 2.1E

Thickness	Depths
1 1/2"	3 1/2", 5 1/2", 7 1/4", 9 1/4", 9 1/2", 11 1/4", 11 1/8", 14", 16"

Available in value lengths up to 32'.



## onCENTER RIM BOARD SE

- Ideally suited for floor systems built with BLI joists
- High vertical load transfer capacity
- Provides solid deck attachment

Thicknesses	Depths
1" & 1 1/8"	9 1/2", 11 1/8", 14", 16", 18"

Available in 12' lengths (24' available in the Western US).

Visit [www.buildonCENTER.com](http://www.buildonCENTER.com) today for additional information about onCENTER products.



BlueLinX Engineered Products

## ENGINEERED LUMBER

*When it's built right, it's onCENTER!*

- Manufactured by some of the newest and most technologically advanced mills in the industry
- Rely on our expertise and commitment to supply quality materials with outstanding service
- Benefit from our in-depth understanding of supply chain logistics
- onCENTER Framing Systems can contribute towards green building certification programs such as LEED®, Green Globes®, and the National Green Building Standard
- SFI® certified products are available
- Manufacturing quality is assured by third party inspection services of APA-EWS
- Backed by a lifetime limited warranty\* assuring long-lasting, consistent performance
- The entire onCENTER product line is supported in Doma Studio™, a powerful, all-encompassing suite of programs to draw and design in 3D, perform engineering analysis, and optimize cutting patterns to reduce waste



**BlueLinX Corporation**  
4300 Wildwood Parkway  
Atlanta, GA 30339  
1-877-914-7770  
[www.buildonCENTER.com](http://www.buildonCENTER.com)



\* Visit [www.buildonCENTER.com](http://www.buildonCENTER.com) or call 877-914-7770 for terms, conditions, and limitations of limited warranty.

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Dealer information: