

Solid Sawn Substitution: Beams	Douglas Fir / Larch - Select Structural (in.)						
	Product	4 x 8	4 x 10	4 x 12	6 x 8	6 x 10	6 x 12
	BigBeam	3 1/2 x 9 1/2	3 1/2 x 9 1/2	3 1/2 x 11 7/8	5 7/16 x 9 1/2	5 7/16 x 9 1/2	5 7/16 x 11 7/8
	Stock Glulam	3 1/8 x 9	3 1/8 x 10 1/2	3 1/8 x 12	5 1/8 x 7 1/2	5 1/8 x 10 1/2	5 1/8 x 12
	1.8E-IJC	3 1/2 x 9 1/2	3 1/2 x 9 1/2	3 1/2 x 11 7/8	-	-	-
	Douglas Fir / Larch - #1 (in.)						
	Product	4 x 8	4 x 10	4 x 12	6 x 8	6 x 10	6 x 12
	BigBeam	3 1/2 x 9 1/2	3 1/2 x 9 1/2	3 1/2 x 11 7/8	5 7/16 x 9 1/2	5 7/16 x 9 1/2	5 7/16 x 11 7/8
	Stock Glulam	3 1/8 x 7 1/2	3 1/8 x 10 1/2	3 1/8 x 12	5 1/8 x 7 1/2	5 1/8 x 10 1/2	5 1/8 x 12
	1.8E-IJC	3 1/2 x 9 1/2	3 1/2 x 9 1/2	3 1/2 x 11 7/8	-	-	-
Douglas Fir / Larch - #2 (in.)							
Product	4 x 8	4 x 10	4 x 12	6 x 8	6 x 10	6 x 12	
BigBeam	3 1/2 x 9 1/2	3 1/2 x 9 1/2	3 1/2 x 11 7/8	5 7/16 x 9 1/2	5 7/16 x 9 1/2	5 7/16 x 11 7/8	
Stock Glulam	3 1/8 x 7 1/2	3 1/8 x 10 1/2	3 1/8 x 12	5 1/8 x 7 1/2	5 1/8 x 9	5 1/8 x 12	
1.8E-IJC	3 1/2 x 9 1/2	3 1/2 x 9 1/2	3 1/2 x 11 7/8	-	-	-	

Solid Sawn Substitution: Columns	Douglas Fir / Larch - Select Structural (in.)		
	Product	4 x 4	6 x 6
	EWS #2 DF	3 1/8 x 6	5 1/8 x 6
	Douglas Fir / Larch - #1 (in.)		
	Product	4 x 4	6 x 6
	EWS #2 DF	3 1/8 x 6	5 1/8 x 6
	Douglas Fir / Larch - #2 (in.)		
	Product	4 x 4	6 x 6
	EWS #2 DF	3 1/8 x 6	5 1/8 x 6

Notes for Solid Sawn Substitution Tables:

- (1) Tables may be used in preliminary design of Rosboro glulam beams and columns as replacements for common Douglas Fir/Larch solid sawn members.
- (2) Solid Sawn design stresses are based on NDS-05.
- (3) Equivalent sized glulam are based on minimum sizes required to meet or exceed bending, shear or deflection considerations. Therefore, tables can only be used to go from solid sawn to glulam. (Substitution from glulam to solid sawn may not be appropriate.)