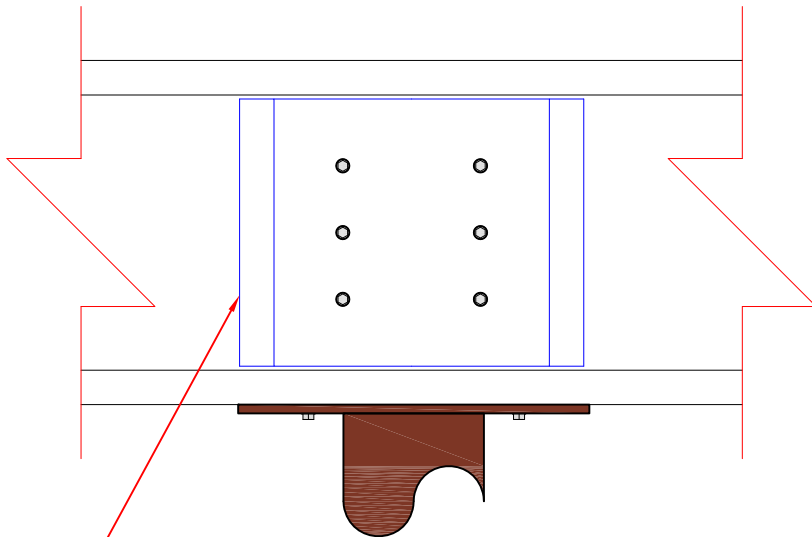
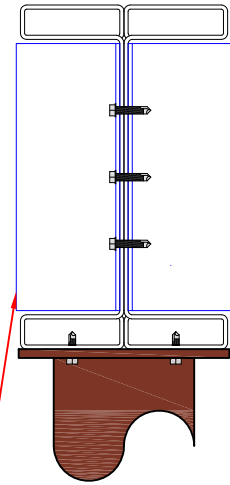


#12 TEK Screws at
1/4 Points (TYP.)

LSB Stiffener
-4 total for back to
back application
-2 for single application



Full Depth LSB Stiffener may be used
if full bearing under stiffener is achieved

LSB Shape	Allowable Load (kips)			
	Exterior Two Flange Loading		Interior One Flange, Interior Two Flange, Exterior One Flange Loading	
	Single Stiffener Capacity	Double Stiffener Capacity	Single Stiffener Capacity	Double Stiffener Capacity
1400LSB350-134	10.8	21.6	13.0	26.0
1400LSB350-118	7.4	14.8	9.0	18.0
1400LSB350-098	4.2	8.4	5.0	10.0
1200LSB350-134	10.8	21.6	13.0	26.0
1200LSB350-118	7.4	14.8	9.0	18.0
1200LSB350-098	4.2	8.4	5.0	10.0
1000LSB300-118	8.9	17.8	11.0	22.0
1000LSB300-098	5.1	10.2	6.0	12.0
1000LSB300-079	2.6	5.3	3.0	6.0
800LSB250-098	6.3	12.6	7.0	15.0
800LSB250-079	3.3	6.6	4.0	8.0
800LSB250-059	1.3	2.7	1.0	3.0

For descriptions of Exterior One and Two Flange and Interior One and Two Flange Loading, see AISI Commentary on North American Specification for the Design of Cold-Formed Steel Structural Members 2007 ed. Page 67.

TEK Screw Table - Steel to LSB

Allowable Loads per Screw (lbs)

Tension	Design	Thickness of Attachment						
		134	118	98	79	59	45	35
	Minimum	127	112	93	75	56	43	33
	Gage	10	11	12	14	16	18	20
Screw	LSB Gage							
1/4	-134	615				505	395	
	-118	540						
	-098	450						
	-079	365						
	-059	270						
#12	-134	515			380	295		
	-118	455						
	-098	380						
	-079	305						
	-059	225						
#10	-134	470			380	295		
	-118	410						
	-098	340						
	-079	275						
	-059	205						

Shear	Design	Thickness of Attachment						
		134	118	98	79	59	45	35
	Minimum	127	112	93	75	56	43	33
	Gage	10	11	12	14	16	18	20
Screw	LSB Gage							
1/4	-134	860				455		355
	-118							
	-098							
	-079							
	-059							
#12	-134	665				380		300
	-118							
	-098							
	-079							
	-059							
#10	-134	465				345		270
	-118							
	-098							
	-079							
	-059							

NOTES:

1. The maximum load is not to exceed the capacity of the LSB, attachment, or screws.
2. Allowable load values shown are the minimum values based on 2007 AISI NAS for both the connector and the connected material using Buildex TEK screws. Buildex TEK ultimate values can be found in the ITW Buildex 2009 Product Catalog.
3. Values for LSB and hangers 16 ga and thicker are based on members with a minimum yield strength of $F_y = 50\text{ksi}$ and tensile strength of $F_u = 65\text{ksi}$. For hangers or attachments with thickness of 18 ga and thinner values are based on members with a minimum yield strength of $F_y = 33\text{ksi}$ and tensile strength $F_u = 45\text{ksi}$.
4. A minimum of three threads must penetrate each member.



Description:
Screw Chart - Steel to LSB

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P.O. Box 577
Troutville, VA 24175
www.litesteelbeam.com

Office: 540-992-1600
Toll Free: 877-285-2607
Fax: 540-992-5998

Drawing: Attch. 1
Dwg Date: 9/16/2009

Rev: _____

Rev Date: _____

Drawn By: Newland
Eng: Moses

Mkg: Foxx

