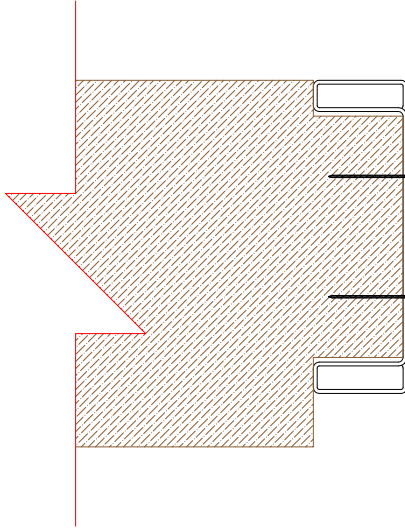


A

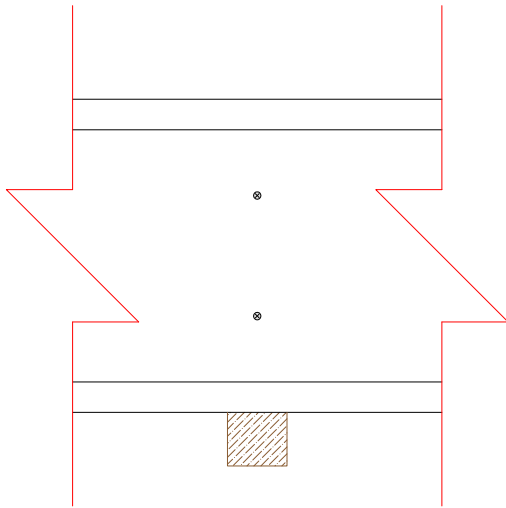
Side View

No Bracket - 2 Screws at 1/4 points for stability only



Back Web View

No Bracket - 2 Screws at 1/4 points



550 lbs

1400LSB350-098
1200LSB350-098
1000LSB300-098
800LSB250-098

Loading LSB flanges with thickness less than 0.098" is not recommended!

Maximum Load for Case A

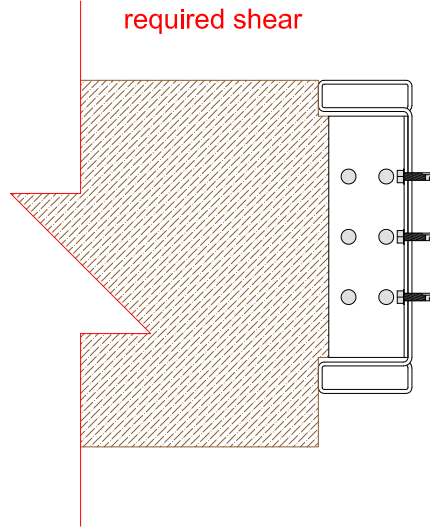
700 lbs

1400LSB350-118
1200LSB350-118
1000LSB300-118

B

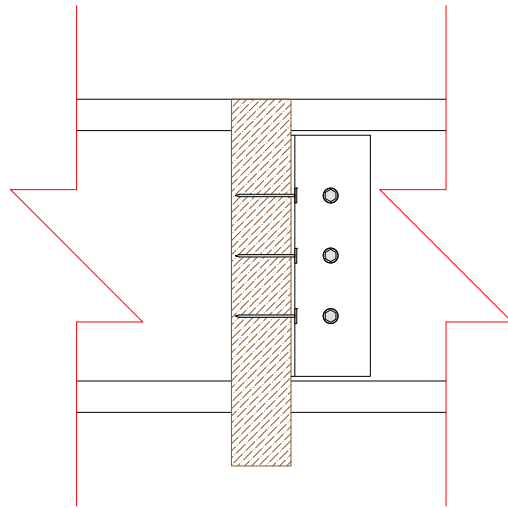
Side View

Bracket and connection to be designed to carry required shear



Front-Toe View

Bracket and connection to be designed to carry required shear



850 lbs

1400LSB350-134
1200LSB350-134

Maximum Load for Case B

Maximum loading for case B is that of designed connection but should not exceed shear strength of LSB section.

NOTE: LOADS ARE CAPACITY OF LSB ONLY; WOOD CAPACITY TO BE CHECKED BY WOOD DESIGNER!

LITESteel
technologies

Description:
Notched 2x to LSB Connection

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

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

Drawing: 09-032

Dwg Date: 9/7/2009

Rev: _____

Rev Date: _____

Drawn By: Newland

Eng: Moses

Mkg: Foxx

LSB
LiteSteelbeam

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							650
#12	-134	665				380	300	
	-118							
	-098							
	-079							
	-059							600
#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.