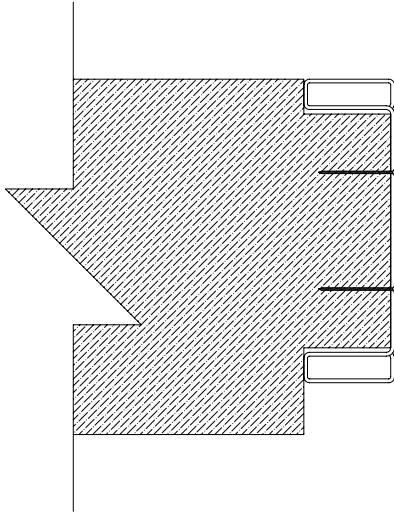


A

Side View

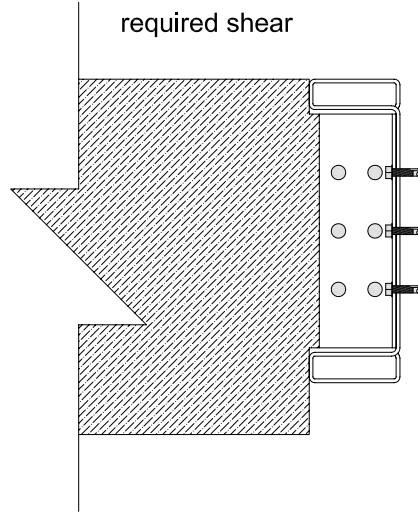
No Bracket - 2 Screws at 1/4 points for stability only



B

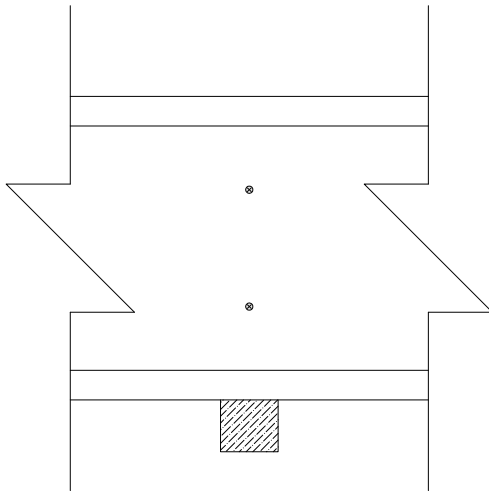
Side View

Bracket and connection to be designed to carry required shear



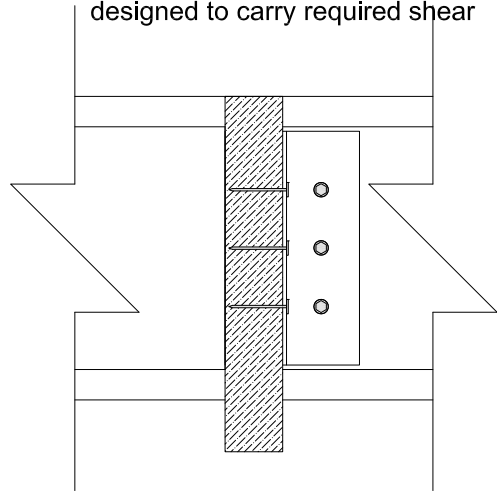
Back Web View

No Bracket - 2 Screws at 1/4 points



Front-Toe View

Bracket and connection to be designed to carry required shear



Maximum Load for Case A

550 lbs	700 lbs	850 lbs
1400LSB350-098	1400LSB350-118	1400LSB350-134
1200LSB350-098	1200LSB350-118	1200LSB350-134
1000LSB300-098	1000LSB300-118	
800LSB250-098		

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

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!

- All LiteSteel Beam details are subject to local code provisions
- All components should be selected & installed per the individual component manufacturers' instructions.
- LiteSteel Technologies is not responsible for the performance of components not manufactured by LiteSteel Technologies.



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Description:

Notched 2x to LSB Connection

DRAWING NOT TO SCALE

Rev #: _____ - _____

Rev Date: _____ - _____

Drawn By: _____ - _____

Checked By: _____ - _____

Dwg #: 09-032

Dwg Date: 09/07/2009

Drawn By: AWN

Checked By: JAM

TEK Screw Table - Steel to LSB

Allowable Loads per Screw (lbs)


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

Shear	Design	Thickness of Attachment						
		134	118	98	79	59	45	35
	Minimum Gage	127	112	93	75	56	43	33
Screw	LSB Gage	10	11	12	14	16	18	20
1/4	-134	860					455	355
		650						
		665						
		600						
		600						
	#12	-134	665				380	300
			600					
		600						
		600						
		600						
	#10	-134	465				345	270
			465					
		465						
		465						
		465						

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.

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- All components should be selected & installed per the individual component manufacturers' instructions.
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	100 Smorgon Way Troutville, VA 24175 Phone : 540-992-1600 Fax: 540-992-5998 www.litesteelbeam.com sales@litesteelbeam.com	Description: Screw Chart - Steel to LSB	Rev #: _____ - Rev Date: _____ - Drawn By: _____ - Checked By: _____ -	Dwg #: ATTCH.-1 Dwg Date: 09/16/2009 Drawn By: AWN Checked By: JAM
	DRAWING NOT TO SCALE			