




NOTES: 

1. Wood packer to be made of 2x material and 1/2" material as necessary, and trimmed as necessary.
2. Attach wood packer using minimum 2 -1/2" bolts with washers under head and nut between each hanger as shown or as verified necessary by Design Engineer.
3. Hangers may be face or top mounted.
4. Where holes line up with LSB, fill holes with #10 Buildex TEK Screws. Fill other holes as recommended by hanger manufacturer.
5. Back to back and nested applications should be constructed in a similar manner.

		Description:							
		Large Hanger Pack Out							
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: 09-027	Dwg Date: 6/16/2009	Rev: 	Rev Date: 9/10/2009	Drawn By: Newland	Eng: Moses	Mkg: Foxy	

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

Rev: _____

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Drawn By: Newland

Eng: Moses

Mkg: Foxx

