



SIP No. 2076

Subject: LVL Splines

Date: April 2012

R-Control SIPs are most commonly connected with surface, block, I-Beam, or dimensional lumber splines. I-Beam and dimensional lumber splines are used to provide additional strength and span capacity to R-Control SIPs assemblies. Laminated veneer lumber (LVL) is an alternative engineered wood spline option.

R-Control LVL's are an alternative spline connection available for 8-1/4" R-Control SIPs. The following Load Design Chart provides the capacity of R-Control SIPs when connected with R-Control LVL's spaced 4' o.c.

Roof/Floor - Transverse Loading
LOAD DESIGN CHART
(SEE LVL SPLINE DETAIL SIP-102a)

R-CONTROL® SIPs					
PANEL SPAN		R-CONTROL LVL WIDTH	SIP THICKNESS		
			8 1/4"		
DEFLECTION			L/360	L/240	L/180
TRANSVERSE LOAD (PSF)	10'- 0"	1-3/4"	81'	81'	81'
	12'- 0"		63	68'	68'
	14'- 0"		49	58'	58'
	16'- 0"		38	51'	51'
	18'- 0"	2-1/2"	30	45'	45'
	20'- 0"		24	37	40'

[1] LIMITED TO ULTIMATE FAILURE LOAD DIVIDED BY A FACTOR OF SAFETY OF THREE.

[2] LVL SPLINE MUST BE CONTINUOUS AND SPACED 4' O.C.



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