

# DIAPHRAGM SHEAR STRENGTH (PLF)

9/16" X 2-1/2" TYPE SF  
SUPPORT FASTENING:  
STITCH FASTENING:  
SAFETY FACTOR:

WITH CELLULAR CONCRETE FILL (TYPE II)  
3/8" PUDDLE WELDS  
#10 TEK SCREWS  
3.25

FASTENER LAYOUT	SIDE LAP FASTENING PER SPAN	SPAN (FT.-IN.)								
		1-6	2-0	2-6	3-0	3-6	4-0	4-6	5-0	5-6
SF 28 30/4	0	585	495	440	400	375	355			
	1	650	545	480	435	405	380			
	2	715	590	520	470	435	405			
	3	780	640	555	500	460	430			
	4	845	690	595	535	490	455			
SF 26 30/4	0		575	505	455	420	395	375		
	1		635	550	495	455	425	405		
	2		690	600	535	490	455	430		
	3		750	645	575	525	485	455		
	4		810	690	615	555	515	485		
SF 24 30/4	0			650	580	525	490	460	435	
	1			715	630	570	530	495	465	
	2			775	685	615	565	530	500	
	3			840	735	660	605	565	530	
	4			900	790	705	645	600	560	
SF 22 30/4	0			715	643	591	552	521	497	477
	1			793	708	646	600	565	536	513
	2			872	773	702	649	608	575	548
	3			950	838	758	698	651	614	584
	4			1028	903	814	747	695	653	619

NOTE: CELLULAR CONCRETE FILL 200 PSI. MINIMUM COMPRESSIVE STRENGTH, MINIMUM TOPPING OF 2" AND POLYSTYRENE THICKNESS UP TO 4".