

Deep-Dek® 6 Cellular



a unit of **CSI**

Allowable Diaphragm Shear

SUPPORT CONNECTION: 1/2" Effective Weld Diameter		S = Allowable Diaphragm Shear (lbs/foot)								
SIDELAP CONNECTION: 1-1/2" Seam Welds		G' = Stiffness Factor (kips/in.)								
ATTACHMENT PATTERN: 24 / 3										
GAGE	SIDE LAP SPACING	FACTOR	DECK SPAN - C to C SUPPORT							
			14' - 0"	16' - 0"	18' - 0"	20' - 0"	22' - 0"	24' - 0"	26' - 0"	28' - 0"
20/20 0.0358"/0.0358"	12"	S	1834	1800	1773	1752	1734	1718	1705	1598*
		G'	80.8	87.4	93.4	98.7	103.6	108.0	112.0	115.7
	18"	S	1444	1403	1370	1343	1321	1303	1287	1273
		G'	73.9	79.1	83.6	87.6	91.2	94.4	97.2	99.8
	24"	S	1219	1174	1138	1109	1085	1065	1048	1033
		G'	68.7	72.8	76.4	79.4	82.1	84.5	86.6	88.5
20/18 0.0358"/0.0474"	12"	S	2166	2127	2095	2069	2048	2030	1966*	1695*
		G'	124.5	130.4	135.5	139.8	143.5	146.7	149.6	152.1
	18"	S	1706	1657	1618	1587	1561	1539	1520	1504
		G'	106.6	110.3	113.3	115.8	117.9	119.7	121.2	122.6
	24"	S	1440	1386	1344	1310	1282	1258	1238	1220
		G'	94.7	97.0	98.7	100.2	101.3	102.3	103.1	103.8
18/20 0.0474"/0.0358"	12"	S	2166	2127	2095	2069	2048	2030	2015	2001
		G'	78.8	86.2	93.0	99.3	105.1	110.5	115.5	120.2
	18"	S	1706	1657	1618	1587	1561	1539	1520	1504
		G'	73.7	79.9	85.5	90.6	95.2	99.4	103.3	106.8
	24"	S	1440	1386	1344	1310	1282	1258	1238	1220
		G'	69.7	75.0	79.7	83.9	87.6	91.0	94.0	96.8
18/18 0.0474"/0.0474"	12"	S	2483	2438	2401	2372	2347	2327	2309	2294
		G'	131.1	139.2	146.3	152.4	157.8	162.7	167.0	170.8
	18"	S	1956	1900	1855	1819	1789	1764	1743	1724
		G'	115.7	121.4	126.2	130.2	133.7	136.8	139.5	141.8
	24"	S	1651	1589	1541	1501	1469	1442	1419	1399
		G'	104.8	108.9	112.2	115.0	117.3	119.2	120.9	122.4
18/16 0.0474"/0.0598"	12"	S	2765	2714	2674	2641	2614	2591	2572	2555
		G'	172.6	178.6	183.6	187.7	191.3	194.3	196.9	199.2
	18"	S	2178	2115	2066	2025	1992	1964	1941	1920
		G'	144.2	147.4	149.9	151.9	153.6	155.0	156.1	157.1
	24"	S	1838	1770	1716	1672	1636	1606	1580	1558
		G'	126.0	127.5	128.6	129.4	130.0	130.5	130.9	131.2
16/18 0.0598"/0.0474"	12"	S	2765	2714	2674	2641	2614	2591	2572	2555
		G'	133.5	143.3	152.0	159.7	166.7	172.9	178.6	183.8
	18"	S	2178	2115	2066	2025	1992	1964	1941	1920
		G'	120.5	128.0	134.4	139.9	144.8	149.2	153.0	156.5
	24"	S	1838	1770	1716	1672	1636	1606	1580	1558
		G'	111.0	116.8	121.6	125.7	129.3	132.3	135.0	137.4
16/16 0.0598"/0.0598"	12"	S	3038	2982	2937	2901	2871	2846	2825	2806
		G'	185.9	194.4	201.5	207.6	212.8	217.4	221.4	224.9
	18"	S	2392	2323	2269	2225	2188	2158	2132	2109
		G'	159.2	164.4	168.6	172.0	175.0	177.5	179.6	181.4
	24"	S	2019	1944	1884	1836	1797	1764	1735	1711
		G'	141.2	144.4	146.9	148.8	150.4	151.7	152.8	153.7
16/14 0.0598"/0.0747"	12"	S	3351	3290	3241	3201	3168	3140	3117	3096
		G'	225.3	230.4	234.5	237.8	240.6	242.9	244.9	246.6
	18"	S	2639	2563	2503	2455	2414	2381	2352	2327
		G'	183.5	185.5	186.9	188.0	188.9	189.6	190.2	190.6
	24"	S	2228	2145	2079	2026	1983	1946	1915	1888
		G'	157.7	158.0	158.0	157.9	157.8	157.6	157.5	157.3
14/16 0.0747"/0.0598"	12"	S	3351	3290	3241	3201	3168	3140	3117	3096
		G'	195.3	206.4	215.9	224.2	231.4	237.7	243.4	248.4
	18"	S	2639	2563	2503	2455	2414	2381	2352	2327
		G'	171.2	178.7	184.9	190.2	194.7	198.6	202.0	205.0
	24"	S	2228	2145	2079	2026	1983	1946	1915	1888
		G'	154.3	159.5	163.7	167.1	170.0	172.4	174.4	176.2
14/14 0.0747"/0.0747"	12"	S	3651	3584	3530	3487	3451	3421	3395	3373
		G'	248.7	256.6	263.0	268.3	272.8	276.7	280.0	282.9
	18"	S	2875	2793	2727	2674	2630	2594	2562	2535
		G'	207.1	211.1	214.1	216.6	218.6	220.2	221.6	222.8
	24"	S	2427	2336	2265	2207	2160	2120	2086	2057
		G'	180.5	182.1	183.3	184.2	184.8	185.3	185.6	185.9

NOTES: Data is prepared in accordance with SDI's DIAPHRAGM DESIGN MANUAL, DDM03
 S values have been divided by a Safety Factor of 3 to obtain (ASD) Diaphragm Shear values for seismic loading (worst case).
 The following Safety Factors shown are from Table D5 of 2004 Supplement AISI Specifications.
Seismic: $\phi = .55$ for LRFD and $\Omega = 3.00$ for ASD for welds.
Wind: $\phi = .70$ for LRFD and $\Omega = 2.35$ for ASD for welds.
Other: $\phi = .60$ for LRFD and $\Omega = 2.65$ for ASD for welds.
 Calculations are based on a "SINGLE SPAN CONDITION". For "Other Span Conditions" contact the Metal Dek Group for additional information.
 $F_y = 40$ ksi and $F_u = 55$ ksi
 * Indicates Shear Buckling controls. A Safety Factor of 2.00 was used as referenced in SDI DDM03.

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Allowable Diaphragm Shear

SUPPORT CONNECTION: 1/2" Effective Weld Diameter		S = Allowable Diaphragm Shear (lbs/foot)								
SIDELAP CONNECTION: S/L Screws #10		G' = Stiffness Factor (kips/in.)								
ATTACHMENT PATTERN: 24 / 3										
GAGE	SIDE LAP SPACING	FACTOR	DECK SPAN - C to C SUPPORT							
			16' - 0"	18' - 0"	20' - 0"	22' - 0"	24' - 0"	26' - 0"	28' - 0"	30' - 0"
20/20 0.0358"/ 0.0358"	6"	S	785	755	731	711	694	680	668	657
		G'	82.8	88.1	92.8	97.1	101.0	104.5	107.7	110.6
	12"	S	543	512	487	466	449	434	421	410
		G'	66.9	69.8	72.3	74.5	76.4	78.1	79.6	80.9
	24"	S	419	387	361	340	323	308	295	284
		G'	51.7	52.7	53.5	54.1	54.6	55.0	55.3	55.5
20/18 0.0358"/ 0.0474"	6"	S	997	961	933	909	890	873	859	846
		G'	119.1	123.2	126.7	129.7	132.3	134.6	136.7	138.5
	12"	S	679	642	612	587	567	550	535	522
		G'	85.4	86.6	87.6	88.5	89.1	89.7	90.2	90.6
	24"	S	515	477	447	422	401	383	368	355
		G'	59.6	59.2	58.8	58.4	58.0	57.6	57.3	57.0
18/20 0.0474"/ 0.0358"	6"	S	839	803	774	750	730	713	699	686
		G'	82.8	89.0	94.8	100.0	104.9	109.3	113.5	117.4
	12"	S	594	557	527	503	483	465	450	438
		G'	70.2	74.2	77.8	80.9	83.7	86.3	88.6	90.7
	24"	S	469	432	402	377	357	339	324	311
		G'	56.9	58.9	60.5	61.8	62.9	63.9	64.7	65.4
18/18 0.0474"/ 0.0474"	6"	S	1049	1008	975	948	925	906	889	875
		G'	129.3	135.3	140.5	145.0	149.1	152.6	155.8	158.7
	12"	S	728	685	651	623	599	580	563	548
		G'	97.7	100.2	102.3	104.0	105.5	106.8	107.9	108.9
	24"	S	563	520	485	457	433	413	396	381
		G'	71.1	71.3	71.4	71.4	71.3	71.2	71.1	70.9
18/16 0.0474"/ 0.0598"	6"	S	1263	1218	1181	1151	1126	1105	1086	1071
		G'	160.8	164.7	168.0	170.7	173.1	175.1	176.9	178.5
	12"	S	862	814	776	745	718	696	677	661
		G'	110.7	111.4	111.9	112.3	112.5	112.8	112.9	113.1
	24"	S	655	606	567	536	509	486	467	450
		G'	75.1	74.0	73.0	72.2	71.4	70.8	70.2	69.6
16/18 0.0598"/ 0.0474"	6"	S	1094	1048	1011	981	956	934	916	900
		G'	134.8	142.5	149.2	155.2	160.6	165.4	169.8	173.8
	12"	S	771	724	686	654	628	606	587	571
		G'	106.4	110.2	113.5	116.3	118.8	120.9	122.7	124.4
	24"	S	606	558	519	488	461	439	420	403
		G'	80.5	81.5	82.2	82.7	83.1	83.4	83.6	83.8
16/16 0.0598"/ 0.0598"	6"	S	1307	1257	1217	1184	1156	1133	1113	1095
		G'	177.4	183.3	188.2	192.4	196.1	199.3	202.2	204.7
	12"	S	904	851	809	775	746	722	701	683
		G'	127.1	128.9	130.2	131.3	132.2	133.0	133.6	134.1
	24"	S	696	643	600	566	536	512	491	472
		G'	88.8	88.0	87.3	86.7	86.1	85.5	85.0	84.6
16/14 0.0598"/ 0.0747"	6"	S	1560	1506	1461	1425	1395	1369	1347	1328
		G'	204.4	207.5	210.1	212.2	213.9	215.4	216.7	217.8
	12"	S	1061	1003	957	918	887	860	837	817
		G'	135.4	135.3	135.0	134.8	134.6	134.4	134.2	134.0
	24"	S	802	743	696	657	625	598	574	554
		G'	89.4	87.6	86.1	84.7	83.6	82.6	81.8	81.0
14/16 0.0747"/ 0.0598"	6"	S	1358	1302	1258	1221	1191	1165	1142	1123
		G'	190.9	198.9	205.8	211.9	217.1	221.8	225.9	229.7
	12"	S	952	894	848	810	779	752	729	709
		G'	142.4	145.5	148.1	150.2	152.0	153.5	154.8	156.0
	24"	S	743	685	638	600	568	541	518	498
		G'	102.6	102.5	102.3	102.1	101.8	101.5	101.2	100.9
14/14 0.0747"/ 0.0747"	6"	S	1610	1550	1501	1462	1429	1400	1376	1355
		G'	230.5	235.6	239.8	243.3	246.2	248.8	251.1	253.0
	12"	S	1107	1044	993	952	918	888	863	841
		G'	157.9	158.6	159.0	159.4	159.6	159.8	159.9	160.0
	24"	S	847	784	732	691	656	626	600	578
		G'	106.7	105.0	103.5	102.2	101.1	100.1	99.2	98.4

NOTES: Data is prepared in accordance with SDI's DIAPHRAGM DESIGN MANUAL, DDM03
 S values have been divided by a Safety Factor of 3 to obtain (ASD) Diaphragm Shear values for seismic loading (worst case).
 The following Safety Factors shown are from Table D5 of 2004 Supplement AISI Specifications.
Seismic: $\phi = .55$ for LRFD and $\Omega = 3.00$ for ASD for welds.
Wind: $\phi = .70$ for LRFD and $\Omega = 2.35$ for ASD for welds.
Other: $\phi = .60$ for LRFD and $\Omega = 2.65$ for ASD for welds.
 Calculations are based on a "SINGLE SPAN CONDITION". For "Other Span Conditions" contact the Metal Dek Group for additional information.
 $F_y = 40$ ksi and $F_u = 55$ ksi

* Indicates Shear Buckling controls. A Safety Factor of 2.00 was used as referenced in SDI DDM03.

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Allowable Diaphragm Shear

SUPPORT CONNECTION: 1/2" Effective Weld Diameter			S = Allowable Diaphragm Shear (lbs/foot)							
SIDELAP CONNECTION: 1-1/2" Seam Welds			G' = Stiffness Factor (kips/in.)							
ATTACHMENT PATTERN: 24 / 4										
GAGE	SIDE LAP SPACING	FACTOR	DECK SPAN - C to C SUPPORT							
			14' - 0"	16' - 0"	18' - 0"	20' - 0"	22' - 0"	24' - 0"	26' - 0"	28' - 0"
20/20 0.0358"/ 0.0358"	12"	S	1961	1919	1887	1861	1839	1821	1806	1598*
		G'	80.9	87.5	93.5	98.8	103.7	108.1	112.1	115.8
	18"	S	1505	1458	1421	1392	1367	1347	1329	1314
		G'	74.0	79.2	83.7	87.7	91.3	94.5	97.4	100.0
	24"	S	1256	1206	1167	1136	1111	1089	1071	1055
		G'	68.8	73.0	76.5	79.6	82.3	84.7	86.8	88.7
20/18 0.0358"/ 0.0474"	12"	S	2316	2268	2229	2198	2173	2151	1966*	1695*
		G'	124.7	130.6	135.7	140.0	143.7	146.9	149.8	152.3
	18"	S	1778	1723	1679	1644	1615	1591	1570	1553
		G'	106.9	110.6	113.6	116.1	118.2	120.0	121.5	122.8
	24"	S	1483	1425	1379	1342	1312	1286	1265	1246
		G'	95.0	97.3	99.1	100.5	101.6	102.6	103.4	104.1
18/20 0.0474"/ 0.0358"	12"	S	2316	2268	2229	2198	2173	2151	2133	2117
		G'	78.8	86.3	93.1	99.4	105.2	110.6	115.6	120.2
	18"	S	1778	1723	1679	1644	1615	1591	1570	1553
		G'	73.8	80.0	85.6	90.7	95.3	99.5	103.4	106.9
	24"	S	1483	1425	1379	1342	1312	1286	1265	1246
		G'	69.8	75.1	79.8	84.0	87.8	91.1	94.2	96.9
18/18 0.0474"/ 0.0474"	12"	S	2655	2599	2555	2520	2491	2466	2445	2427
		G'	131.3	139.4	146.4	152.6	158.0	162.8	167.1	171.0
	18"	S	2038	1975	1925	1884	1851	1823	1800	1780
		G'	116.0	121.7	126.4	130.5	134.0	137.0	139.7	142.1
	24"	S	1701	1633	1581	1539	1504	1475	1450	1429
		G'	105.2	109.2	112.6	115.3	117.6	119.6	121.3	122.7
18/16 0.0474"/ 0.0598"	12"	S	2957	2894	2846	2806	2773	2746	2723	2564*
		G'	172.9	179.0	183.9	188.0	191.5	194.6	197.2	199.4
	18"	S	2270	2199	2143	2098	2061	2031	2004	1982
		G'	144.7	147.9	150.3	152.3	154.0	155.3	156.5	157.5
	24"	S	1894	1819	1760	1713	1675	1642	1615	1591
		G'	126.5	128.0	129.1	129.9	130.5	131.0	131.3	131.6
16/18 0.0598"/ 0.0474"	12"	S	2957	2894	2846	2806	2773	2746	2723	2703
		G'	133.6	143.4	152.1	159.9	166.8	173.1	178.8	183.9
	18"	S	2270	2199	2143	2098	2061	2031	2004	1982
		G'	120.8	128.2	134.6	140.2	145.1	149.4	153.3	156.7
	24"	S	1894	1819	1760	1713	1675	1642	1615	1591
		G'	111.3	117.1	121.9	126.0	129.6	132.6	135.3	137.7
16/16 0.0598"/ 0.0598"	12"	S	3248	3179	3126	3082	3046	3016	2991	2969
		G'	186.2	194.7	201.8	207.9	213.1	217.7	221.7	225.2
	18"	S	2493	2415	2354	2305	2264	2230	2202	2177
		G'	159.6	164.8	169.0	172.5	175.4	177.8	180.0	181.8
	24"	S	2080	1998	1934	1882	1839	1804	1773	1747
		G'	141.8	144.9	147.4	149.3	150.9	152.1	153.2	154.1
16/14 0.0598"/ 0.0747"	12"	S	3583	3508	3449	3401	3361	3328	3300	3275
		G'	225.8	230.8	234.9	238.2	241.0	243.3	245.3	247.0
	18"	S	2750	2665	2597	2543	2498	2461	2429	2402
		G'	184.2	186.1	187.5	188.6	189.4	190.1	190.6	191.1
	24"	S	2295	2204	2133	2076	2029	1990	1957	1928
		G'	158.5	158.7	158.7	158.5	158.4	158.2	158.0	157.8
14/16 0.0747"/ 0.0598"	12"	S	3583	3508	3449	3401	3361	3328	3300	3275
		G'	195.6	206.7	216.2	224.5	231.7	238.0	243.7	248.7
	18"	S	2750	2665	2597	2543	2498	2461	2429	2402
		G'	171.6	179.1	185.3	190.6	195.1	199.0	202.4	205.4
	24"	S	2295	2204	2133	2076	2029	1990	1957	1928
		G'	154.8	160.0	164.2	167.6	170.4	172.8	174.9	176.7
14/14 0.0747"/ 0.0747"	12"	S	3904	3821	3757	3705	3662	3625	3595	3568
		G'	249.2	257.1	263.5	268.8	273.2	277.1	280.4	283.3
	18"	S	2996	2903	2829	2770	2722	2681	2646	2616
		G'	207.8	211.7	214.7	217.2	219.1	220.7	222.1	223.3
	24"	S	2500	2401	2324	2262	2211	2168	2132	2100
		G'	181.3	182.9	184.0	184.8	185.4	185.9	186.2	186.5

NOTES: Data is prepared in accordance with SDI's DIAPHRAGM DESIGN MANUAL, DDM03
 S values have been divided by a Safety Factor of 3 to obtain (ASD) Diaphragm Shear values for seismic loading (worst case).
 The following Safety Factors shown are from Table D5 of 2004 Supplement AISI Specifications.
Seismic: $\phi = .55$ for LRFD and $\Omega = 3.00$ for ASD for welds.
Wind: $\phi = .70$ for LRFD and $\Omega = 2.35$ for ASD for welds.
Other: $\phi = .60$ for LRFD and $\Omega = 2.65$ for ASD for welds.
 Calculations are based on a "SINGLE SPAN CONDITION". For "Other Span Conditions" contact the Metal Dek Group for additional information.
 Fy = 40 ksi and Fu = 55 ksi
 * Indicates Shear Buckling controls. A Safety Factor of 2.00 was used as referenced in SDI DDM03.

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Allowable Diaphragm Shear

SUPPORT CONNECTION: 1/2" Effective Weld Diameter		S = Allowable Diaphragm Shear (lbs/foot)								
SIDELAP CONNECTION: S/L Screws #10		G' = Stiffness Factor (kips/in.)								
ATTACHMENT PATTERN: 24 / 4										
GAGE	SIDE LAP SPACING	FACTOR	DECK SPAN - C to C SUPPORT							
			14' - 0"	16' - 0"	18' - 0"	20' - 0"	22' - 0"	24' - 0"	26' - 0"	28' - 0"
20/20 0.0358"/ 0.0358"	6"	S	837	796	765	740	719	702	687	675
		G'	77.0	82.9	88.2	93.0	97.2	101.1	104.6	107.8
	12"	S	590	548	516	490	469	452	437	424
		G'	63.6	67.1	70.0	72.6	74.7	76.6	78.3	79.8
	24"	S	464	422	390	364	343	325	310	297
		G'	50.7	52.1	53.1	53.9	54.5	54.9	55.3	55.6
20/18 0.0358"/ 0.0474"	6"	S	1060	1012	975	946	921	901	883	869
		G'	114.4	119.3	123.4	126.9	129.9	132.6	134.8	136.9
	12"	S	735	686	648	617	592	571	553	538
		G'	84.2	85.8	87.0	88.0	88.8	89.5	90.0	90.5
	24"	S	569	519	481	450	424	403	385	370
		G'	60.7	60.2	59.8	59.3	58.9	58.4	58.1	57.7
18/20 0.0474"/ 0.0358"	6"	S	896	849	812	782	757	737	720	705
		G'	76.0	82.9	89.1	94.8	100.1	105.0	109.4	113.6
	12"	S	648	599	562	531	506	486	468	453
		G'	65.7	70.3	74.4	78.0	81.1	84.0	86.5	88.8
	24"	S	522	473	435	405	380	359	341	326
		G'	54.8	57.3	59.2	60.8	62.1	63.3	64.2	65.0
18/18 0.0474"/ 0.0474"	6"	S	1118	1063	1020	986	958	935	915	898
		G'	122.5	129.5	135.5	140.7	145.3	149.3	152.8	156.0
	12"	S	790	734	691	656	627	603	583	566
		G'	94.9	98.1	100.6	102.7	104.4	105.9	107.2	108.3
	24"	S	624	568	524	489	460	436	415	398
		G'	71.4	71.8	71.9	72.0	71.9	71.8	71.7	71.5
18/16 0.0474"/ 0.0598"	6"	S	1343	1282	1235	1197	1166	1140	1118	1099
		G'	156.4	161.2	165.1	168.3	171.1	173.4	175.4	177.2
	12"	S	932	870	821	782	750	723	701	681
		G'	110.4	111.3	112.0	112.4	112.8	113.0	113.2	113.4
	24"	S	723	660	611	571	539	512	489	470
		G'	77.2	75.9	74.7	73.7	72.8	72.0	71.3	70.7
16/18 0.0598"/ 0.0474"	6"	S	1168	1107	1060	1022	991	965	943	924
		G'	126.3	135.0	142.7	149.4	155.4	160.8	165.6	170.0
	12"	S	840	778	729	691	659	632	610	591
		G'	102.1	106.8	110.6	113.9	116.7	119.1	121.2	123.1
	24"	S	673	611	562	523	491	464	442	422
		G'	79.7	81.1	82.1	82.8	83.3	83.7	84.0	84.2
16/16 0.0598"/ 0.0598"	6"	S	1393	1326	1274	1232	1198	1169	1145	1124
		G'	170.8	177.8	183.6	188.6	192.8	196.4	199.6	202.5
	12"	S	980	912	858	816	781	751	727	705
		G'	125.5	127.8	129.5	130.8	131.9	132.7	133.5	134.1
	24"	S	770	701	648	605	569	540	515	493
		G'	90.4	89.6	88.9	88.1	87.4	86.8	86.2	85.6
16/14 0.0598"/ 0.0747"	6"	S	1659	1585	1528	1482	1444	1412	1386	1363
		G'	201.1	205.0	208.1	210.6	212.6	214.4	215.8	217.1
	12"	S	1147	1071	1012	964	925	893	866	842
		G'	136.4	136.2	136.0	135.7	135.5	135.2	135.0	134.7
	24"	S	885	809	749	701	662	629	601	578
		G'	92.7	90.4	88.5	86.9	85.5	84.3	83.3	82.4
14/16 0.0747"/ 0.0598"	6"	S	1449	1375	1318	1272	1234	1203	1176	1153
		G'	181.8	191.3	199.3	206.2	212.2	217.4	222.1	226.2
	12"	S	1035	960	901	854	816	784	756	733
		G'	139.1	143.0	146.1	148.7	150.8	152.6	154.1	155.3
	24"	S	825	749	690	643	604	572	544	521
		G'	103.4	103.6	103.4	103.2	102.9	102.6	102.2	101.9
14/14 0.0747"/ 0.0747"	6"	S	1713	1633	1571	1520	1479	1445	1416	1391
		G'	224.9	231.1	236.1	240.3	243.7	246.7	249.3	251.5
	12"	S	1199	1117	1053	1001	959	924	894	868
		G'	157.9	158.8	159.4	159.8	160.1	160.3	160.4	160.5
	24"	S	937	854	789	738	695	660	629	604
		G'	109.8	107.8	106.0	104.5	103.1	101.9	100.9	99.9

NOTES: Data is prepared in accordance with SDI's DIAPHRAGM DESIGN MANUAL, DDM03
 S values have been divided by a Safety Factor of 3 to obtain (ASD) Diaphragm Shear values for seismic loading (worst case).
 The following Safety Factors shown are from Table D5 of 2004 Supplement AISI Specifications.
Seismic: $\phi = .55$ for LRFD and $\Omega = 3.00$ for ASD for welds.
Wind: $\phi = .70$ for LRFD and $\Omega = 2.35$ for ASD for welds.
Other: $\phi = .60$ for LRFD and $\Omega = 2.65$ for ASD for welds.
 Calculations are based on a "SINGLE SPAN CONDITION". For "Other Span Conditions" contact the Metal Dek Group for additional information.
 $F_y = 40$ ksi and $F_u = 55$ ksi

* Indicates Shear Buckling controls. A Safety Factor of 2.00 was used as referenced in SDI DDM03.