## 05 31 Steel Decking

05 31 23 - Steel Roof Deckin	0	5	31	23		Stee	Roo	f D	eckin)
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2200         50-500 squares         G         4900         .007           2400         Over 500 squares         G         5100         .006           2600         20 ga., under 50 squares         G         3865         .008           2650         50-500 squares         G         4170         .008           2700         Over 500 squares         G         4300         .007           2990         18 ga., under 50 squares         G         4100         .008           2950         50-500 squares         G         4300         .007           3000         Over 500 squares         G         4300         .007           3050         16 ga., under 50 squares         G         4000         .008           3100         Over 500 squares         G         4000         .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         4000         .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         3600         .009           3250         50-500 squares         G         3600         .009           3260         over 500 squares         G         3600         .009           3350         50	S.F. 2.54 1.97 1.83 2.82 2.26 2.03 S.F. 3.63 2.90 2.61 4.92 3.93 3.54 3.50	.44 .41 .39 .52 .48 .46 .53 .49 .46 .54	.03 .03 .04 .04 .04 .03	3.01 2.41 2.25 3.38 2.78 2.52 4.20 3.43 3.10	2.8 2.6 3.9 3.2 2.9 4.8
2100         Open type, 1-1/2" deep, Type B, wide rib, galv., 22 ga., under 50 sq.         G         E-4         4500         .007           2200         50-500 squares         G         4900         .007           2400         Over 500 squares         G         3865         .008           2600         20 ga., under 50 squares         G         4170         .008           2650         50-500 squares         G         4170         .008           2700         Over 500 squares         G         4300         .007           2900         18 ga., under 50 squares         G         E-4         3800         .008           2950         50-500 squares         G         4100         .008           3000         Over 500 squares         G         4300         .007           3050         16 ga., under 50 squares         G         3700         .009           3100         Over 500 squares         G         4000         .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         3800         .008           3200         50-500 squares         G         3800         .008           3200         50-500 squares         G         3600         <	1.97 1.83 2.82 2.26 2.03 S.F. 3.63 2.90 2.61 4.92 3.93 3.54	.41 .39 .52 .48 .46 .53 .49 .46 .54	.03 .03 .04 .04 .03 .04 .04	2.41 2.25 3.38 2.78 2.52 4.20 3.43	2.8 2.6 3.9 3.2 2.9 4.8
2100         Open type, 1-1/2" deep, Type B, wide rib, galv., 22 ga., under 50 sq.         G         E-4         4500         .007           2200         50-500 squares         G         4900         .007           2400         Over 500 squares         G         3865         .008           2650         50-500 squares         G         4170         .008           2700         Over 500 squares         G         4300         .007           2900         18 ga., under 50 squares         G         4300         .007           2950         50-500 squares         G         4100         .008           3000         Over 500 squares         G         4300         .007           3050         16 ga., under 50 squares         G         4000         .008           3100         Over 500 squares         G         4000         .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         3600         .009           3250         50-500 squares         G         3600         .009           3250         50-500 squares         G         3600         .009           3350         50-500 squares         G         3600         .009	1.97 1.83 2.82 2.26 2.03 S.F. 3.63 2.90 2.61 4.92 3.93 3.54	.41 .39 .52 .48 .46 .53 .49 .46 .54	.03 .03 .04 .04 .03 .04 .04	2.41 2.25 3.38 2.78 2.52 4.20 3.43	2.6 3.9 3.2 2.9
2200         50-500 squares         G         4900         .007           2400         Over 500 squares         G         \$100         .006           2600         20 ga., under 50 squares         G         3865         .008           2650         50-500 squares         G         4170         .008           2700         Over 500 squares         G         +4300         .007           2990         18 ga., under 50 squares         G         4100         .008           2950         50-500 squares         G         4100         .008           3000         Over 500 squares         G         4300         .007           3050         16 ga., under 50 squares         G         4000         .008           3100         Over 500 squares         G         4000         .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         3600         .009           3250         50-500 squares         G         4000         .008           3260         over 500 squares         G         3600         .009           3350         50-500 squares         G         3400         .009           3350         50-500 squares	1.83 2.82 2.26 2.03 S.F. 3.63 2.90 2.61 4.92 3.93 3.54	.39 .52 .48 .46 .53 .49 .46 .54	.03 .04 .04 .03 .04 .04 .03	2.25 3.38 2.78 2.52 4.20 3.43	3.9 3.2 2.9 4.8
2400         Over 500 squares         G         5100         .006           2600         20 ga., under 50 squares         G         3865         .008           2650         50-500 squares         G         4170         .008           2700         Over 500 squares         G         4300         .007           2900         18 ga., under 50 squares         G         E-4         3800         .008           2950         50-500 squares         G         4100         .008           3000         Over 500 squares         G         4300         .007           3050         16 ga., under 50 squares         G         4000         .008           3100         Over 500 squares         G         4200         .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         3600         .009           3250         50-500 squares         G         3600         .009           3250         50-500 squares         G         3800         .008           3300         20 ga., under 50 squares         G         3400         .009           3350         50-500 squares         G         3600         .009           3450	2.82 2.26 2.03 S.F. 3.63 2.90 2.61 4.92 3.93 3.54	.52 .48 .46 .53 .49 .46 .54	.04 .04 .03 .04 .04	3.38 2.78 2.52 4.20 3.43	3.9 3.2 2.9 4.8
2600       20 ga., under 50 squores       G       3865       .008         2650       50-500 squores       G       4170       .008         2700       Over 500 squores       G       4300       .007         2990       18 ga., under 50 squores       G       4100       .008         3000       Over 500 squores       G       4300       .007         3050       16 ga., under 50 squores       G       4300       .007         3060       50-500 squores       G       4000       .008         3100       Over 500 squores       G       4200       .008         3200       3" deep, Type N, 22 ga., under 50 squores       G       3600       .009         3250       50-500 squores       G       3800       .008         3260       over 500 squores       G       3400       .008         3300       20 ga., under 50 squores       G       3400       .009         3350       50-500 squores       G       3600       .009         3450       18 ga., under 50 squores       G       3600       .009         3460       over 500 squores       G       3600       .009         3500       16 ga., under 50	2.26 2.03 S.F. 3.63 2.90 2.61 4.92 3.93 3.54	.48 .46 .53 .49 .46 .54	.04 .03 .04 .04 .03	2.78 2.52 4.20 3.43	3.2 2.9 4.8
2650       50-500 squares       G       4170 008         2700       Over 500 squares       G       4300 007         2900       18 ga., under 50 squares       G       E4 3800 008         2950       50-500 squares       G       4100 008         3000       Over 500 squares       G       4300 007         3050       16 ga., under 50 squares       G       4000 008         3100       Over 500 squares       G       4200 008         3200       3" deep, Type N, 22 ga., under 50 squares       G       3600 009         3250       50-500 squares       G       3800 008         3260       over 500 squares       G       3400 009         3350       50-500 squares       G       3400 009         3360       over 500 squares       G       3800 008         3400       18 ga., under 50 squares       G       3800 008         3400       18 ga., under 50 squares       G       3400 009         3450       50-500 squares       G       3400 009         3460       over 500 squares       G       3400 009         3500       16 ga., under 50 squares       G       3400 009         3500       16 ga., under 50 squares	2.03 S.F. 3.63 2.90 2.61 4.92 3.93 3.54	.46 .53 .49 .46 .54	.04 .04 .03	2.52 4.20 3.43	2.9 4.8
2700         Over 500 squares         G         ■ 4300 .007           2900         18 ga., under 50 squares         G         E-4 3800 .008           2950         50-500 squares         G         4100 .008           3000         Over 500 squares         G         4300 .007           3050         16 ga., under 50 squares         G         4000 .008           3100         Over 500 squares         G         4200 .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         3600 .009           3250         50-500 squares         G         3800 .008           3260         over 500 squares         G         3400 .009           3350         20 ga., under 50 squares         G         3400 .009           3360         over 500 squares         G         3800 .008           3400         18 ga., under 50 squares         G         3400 .009           3450         50-500 squares         G         3400 .009           3460         over 500 squares         G         3400 .009           3460         over 500 squares         G         3400 .009           3460         over 500 squares         G         3400 .009           3500         16 ga.<	2.03 S.F. 3.63 2.90 2.61 4.92 3.93 3.54	.46 .53 .49 .46 .54	.04	4.20 3.43	4.8
2900         18 ga., under 50 squares         G         E-4         3800         .008           2950         50-500 squares         G         4100         .008           3000         Over 500 squares         G         4300         .007           3050         16 ga., under 50 squares         G         3700         .009           3060         50-500 squares         G         4200         .008           3100         Over 500 squares         G         3600         .009           3250         3" deep, Type N, 22 ga., under 50 squares         G         3800         .008           3260         over 500 squares         G         3800         .008           3300         20 ga., under 50 squares         G         3400         .009           3350         50-500 squares         G         3600         .009           3360         over 500 squares         G         3200         .010           3450         50-500 squares         G         3400         .009           3460         over 500 squares         G         3400         .009           3460         over 500 squares         G         3600         .009           3500         16 ga.,	S.F. 3.63 2.90 2.61 4.92 3.93 3.54	.53 .49 .46 .54	.04	4.20 3.43	
2950         50-500 squares         G         4100         .008           3000         Over 500 squares         G         4300         .007           3050         16 ga., under 50 squares         G         3700         .009           3060         50-500 squares         G         4200         .008           3100         Over 500 squares         G         3600         .009           3250         3" deep, Type N, 22 ga., under 50 squares         G         3600         .009           3250         50-500 squares         G         3800         .008           3260         over 500 squares         G         3400         .008           3300         20 ga., under 50 squares         G         3400         .009           3350         50-500 squares         G         3600         .009           3450         over 500 squares         G         3200         .010           3450         50-500 squares         G         3400         .009           3460         over 500 squares         G         3400         .009           3500         16 ga., under 50 squares         G         3600         .009           3500         16 ga., under 50 squares	2.90 2.61 4.92 3.93 3.54	.46 .54 .50	.03	3.43	3.9
3000         Over 500 squares         G         4300         .007           3050         16 ga., under 50 squares         G         3700         .009           3060         50-500 squares         G         4000         .008           3100         Over 500 squares         G         4200         .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         3600         .009           3250         50-500 squares         G         3800         .008           3260         over 500 squares         G         3400         .008           3300         20 ga., under 50 squares         G         3400         .009           3350         50-500 squares         G         3600         .009           3360         over 500 squares         G         3400         .009           3450         50-500 squares         G         3400         .009           3460         over 500 squares         G         3600         .009           3500         16 ga., under 50 squares         G         3600         .009           3500         16 ga., under 50 squares         G         3000         .011           3500         0ver 500 squares <td>2.61 4.92 3.93 3.54</td> <td>.46 .54 .50</td> <td>.03</td> <td></td> <td></td>	2.61 4.92 3.93 3.54	.46 .54 .50	.03		
3050         16 ga., under 50 squares         G         3700         .009           3060         50-500 squares         G         4000         .008           3100         Over 500 squares         G         4200         .008           3200         3" deep, Type N, 22 ga., under 50 squares         G         3600         .009           3250         50-500 squares         G         3800         .008           3260         over 500 squares         G         3400         .008           3300         20 ga., under 50 squares         G         3400         .009           3350         50-500 squares         G         3600         .009           3450         over 500 squares         G         3400         .008           3450         50-500 squares         G         3400         .009           3460         over 500 squares         G         3600         .009           3500         16 ga., under 50 squares         G         3600         .009           3500         16 ga., under 50 squares         G         3400         .009           3700         4-1/2" deep, Type J, 20 ga., over 50 squares         G         3400         .009           3800	4.92 3.93 3.54	.54 .50		0.10	3.6
3060       50-500 squares       G       4000       .008         3100       Over 500 squares       G       4200       .008         3200       3" deep, Type N, 22 ga., under 50 squares       G       3600       .009         3250       50-500 squares       G       3800       .008         3260       over 500 squares       G       3400       .008         3300       20 ga., under 50 squares       G       3600       .009         3350       50-500 squares       G       3600       .009         3360       over 500 squares       G       3200       .010         3450       50-500 squares       G       3400       .009         3460       over 500 squares       G       3600       .009         3500       16 ga., under 50 squares       G       3000       .011         3550       50-500 squares       G       3000       .011         3550       50-500 squares       G       3200       .010         3560       over 500 squares       G       3400       .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700       .012         3800       18 ga.	3.93 3.54	.50	.04	5.50	6.2
3100       Over 500 squares       G       4200       .008         3200       3" deep, Type N, 22 ga., under 50 squares       G       3600       .009         3250       50-500 squares       G       3800       .008         3260       over 500 squares       G       3400       .009         3350       50-500 squares       G       3600       .009         3360       over 500 squares       G       3800       .008         3400       18 ga., under 50 squares       G       3400       .009         3450       50-500 squares       G       3400       .009         3460       over 500 squares       G       3400       .009         3460       over 500 squares       G       3600       .009         3500       16 ga., under 50 squares       G       3000       .011         3550       50-500 squares       G       3000       .011         3550       50-500 squares       G       3000       .011         3560       over 500 squares       G       3400       .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700       .012         3800       18 ga.	3.54		.04	4.47	5.1
3200       3" deep, Type N, 22 ga., under 50 squares       G       3600 .009         3250       50-500 squares       G       3800 .008         3260       over 500 squares       G       4000 .008         3300       20 ga., under 50 squares       G       3400 .009         3350       50-500 squares       G       3800 .008         3400       18 ga., under 50 squares       G       3200 .010         3450       50-500 squares       G       3400 .009         3460       over 500 squares       G       3600 .009         3500       16 ga., under 50 squares       G       3000 .011         3550       50-500 squares       G       3000 .011         3550       50-500 squares       G       3200 .010         3560       over 500 squares       G       3200 .010         3560       over 500 squares       G       3400 .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700 .012         3800       18 ga.       G       2460 .013         3900       16 ga.       G       2350 .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000 .016         4200       16		.48	.04	4.06	4.61
3250         50-500 squares         G         3800         .008           3260         over 500 squares         G         4000         .008           3300         20 ga., under 50 squares         G         3400         .009           3350         50-500 squares         G         3600         .009           3360         over 500 squares         G         3200         .010           3450         50-500 squares         G         3400         .009           3460         over 500 squares         G         3600         .009           3500         16 ga., under 50 squares         G         3000         .011           3550         50-500 squares         G         3200         .011           3550         50-500 squares         G         3400         .009           3700         4-1/2" deep, Type J, 20 ga., over 50 squares         G         2700         .012           3800         18 ga.         G         2460         .013           3900         16 ga.         G         2350         .014           4100         6" deep, Type H, 18 ga., over 50 squares         G         2000         .016           4200         16 ga.         G		.55	.04	4.09	4.7
3260       over 500 squares       G       4000       .008         3300       20 ga., under 50 squares       G       3400       .009         3350       50-500 squares       G       3600       .009         3360       over 500 squares       G       3200       .010         3450       50-500 squares       G       3400       .009         3460       over 500 squares       G       3600       .009         3500       16 ga., under 50 squares       G       3000       .011         3550       50-500 squares       G       3200       .011         3560       over 500 squares       G       3400       .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700       .012         3800       18 ga.       G       2460       .013         3900       16 ga.       G       2350       .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000       .016         4200       16 ga.       G       1930       .017         4300       14 ga.       G       1860       .017	2.80	.53	.04	3.37	3.9
3300       20 ga., under 50 squares       G       3400       .009         3350       50-500 squares       G       3600       .009         3360       over 500 squares       G       3800       .008         3400       18 ga., under 50 squares       G       3200       .010         3450       50-500 squares       G       3400       .009         3460       over 500 squares       G       3600       .009         3500       16 ga., under 50 squares       G       3200       .011         3550       50-500 squares       G       3200       .010         3560       over 500 squares       G       3400       .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700       .012         3800       18 ga.       G       2460       .013         3900       16 ga.       G       2350       .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000       .016         4200       16 ga.       G       1930       .017         4300       14 ga.       G       1860       .017	2.52	.50	.04	3.06	3.5
3350         50-500 squares         G         3600         .009           3360         over 500 squares         G         3800         .008           3400         18 ga., under 50 squares         G         3200         .010           3450         50-500 squares         G         3400         .009           3460         over 500 squares         G         3600         .009           3500         16 ga., under 50 squares         G         3000         .011           3550         50-500 squares         G         3200         .010           3560         over 500 squares         G         3400         .009           3700         4-1/2" deep, Type J, 20 ga., over 50 squares         G         2700         .012           3800         18 ga.         G         2460         .013           3900         16 ga.         G         2350         .014           4100         6" deep, Type H, 18 ga., over 50 squares         G         2000         .016           4200         16 ga.         G         1930         .017           4300         14 ga.         G         1860         .017	3.82	.59	.04	4.45	5.1
3360         over 500 squares         G         3800         .008           3400         18 ga., under 50 squares         G         3200         .010           3450         50-500 squares         G         3400         .009           3460         over 500 squares         G         3600         .009           3500         16 ga., under 50 squares         G         3000         .011           3550         50-500 squares         G         3200         .010           3560         over 500 squares         G         3400         .009           3700         4-1/2" deep, Type J, 20 ga., over 50 squares         G         2700         .012           3800         18 ga.         G         2460         .013           3900         16 ga.         G         2350         .014           4100         6" deep, Type H, 18 ga., over 50 squares         G         2000         .016           4200         16 ga.         G         1930         .017           4300         14 ga.         G         1860         .017	3.06	.55	.04	3.65	4.2
3400         18 ga., under 50 squares         G         3200         .010           3450         50-500 squares         G         3400         .009           3460         over 500 squares         G         3600         .009           3500         16 ga., under 50 squares         G         3000         .011           3550         50-500 squares         G         3200         .010           3560         over 500 squares         G         3400         .009           3700         4-1/2" deep, Type J, 20 ga., over 50 squares         G         2700         .012           3800         18 ga.         G         2460         .013           3900         16 ga.         G         2350         .014           4100         6" deep, Type H, 18 ga., over 50 squares         G         2000         .016           4200         16 ga.         G         1930         .017           4300         14 ga.         G         1860         .017	2.75	.53	.04	3.32	3.8
3450       50-500 squares       G       3400   .009         3460       over 500 squares       G       3600   .009         3500       16 ga., under 50 squares       G       3000   .011         3550       50-500 squares       G       3200   .010         3560       over 500 squares       G       3400   .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700   .012         3800       18 ga.       G       2460   .013         3900       16 ga.       G       2350   .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000   .016         4200       16 ga.       G       1930   .017         4300       14 ga.       G       1860   .017	4.97	.62	.05	5.64	6.4
3460       over 500 squares       G       3600 .009         3500       16 ga., under 50 squares       G       3000 .011         3550       50-500 squares       G       3200 .010         3560       over 500 squares       G       3400 .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700 .012         3800       18 ga.       G       2460 .013         3900       16 ga.       G       2350 .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000 .016         4200       16 ga.       G       1930 .017         4300       14 ga.       G       1860 .017	3.98	.59	.04	4.61	5.3
3500       16 ga., under 50 squares       G       3000       .011         3550       50-500 squares       G       3200       .010         3560       over 500 squares       G       3400       .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700       .012         3800       18 ga.       G       2460       .013         3900       16 ga.       G       2350       .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000       .016         4200       16 ga.       G       1930       .017         4300       14 ga.       G       1860       .017	3.58	.55	.04	4.17	4.8
3550       50-500 squares       G       3200       .010         3560       over 500 squares       G       3400       .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700       .012         3800       18 ga.       G       2460       .013         3900       16 ga.       G       2350       .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000       .016         4200       16 ga.       G       1930       .017         4300       14 ga.       G       1860       .017	6.55	.67	.05	7.27	8.2
3560       over 500 squares       G       3400       .009         3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700       .012         3800       18 ga.       G       2460       .013         3900       16 ga.       G       2350       .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000       .016         4200       16 ga.       G       1930       .017         4300       14 ga.       G       1860       .017	5.25	.62	.05	5.92	6.8
3700       4-1/2" deep, Type J, 20 ga., over 50 squares       G       2700 .012         3800       18 ga.       G       2460 .013         3900       16 ga.       G       2350 .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000 .016         4200       16 ga.       G       1930 .017         4300       14 ga.       G       1860 .017	4.73	.59	.04	5.36	6.1
3800       18 ga.       G       2460       .013         3900       16 ga.       G       2350       .014         4100       6" deep, Type H, 18 ga., over 50 squares       G       2000       .016         4200       16 ga.       G       1930       .017         4300       14 ga.       G       1860       .017	3.73	.74	.05	4.52	5.3
3900       16 ga.         4100       6" deep, Type H, 18 ga., over 50 squares         4200       16 ga.         4300       14 ga.         G       1860         .017         .017	4.90	.81	.06	5.77	6.7
4100       6" deep, Type H, 18 ga., over 50 squares       G       2000       .016         4200       16 ga.       1930       .017         4300       14 ga.       G       1860       .017	6.50	.85	.06	7.41	8.5
4200       16 ga.         4300       14 ga.         G       1860         .017	5.95	1	.07	7.02	8.1
4300 14 ga. <b>G</b> 1860 .017	8.50	1.03	.08	9.61	11
	10.90	1.03	.08	12.05	13.7
4500 7-1/2" deep, Type H, 18 ga., over 50 squares <b>G</b> 1690 .019	7.10	1.07	.00	8.37	9.7
	8.85	1.10	.09	10.19	11.7
- The state of the	11	1.34	.10	12.44	14.2
4800 For painted instead of galvanized, deduct	LU/				
	5%				
5100 For type F intermediate rib instead of type B wide rib, add	S.F. ] 25%				
5150 For type A narrow rib instead of type B wide rib, add  O5 31 33 - Steel Form Decking					

## 05 31 33.50 Form Decking

0010	FORM DECKING									
0015	Made from recycled materials									
6100	Slab form, steel, 28 ga., 9/16" deep, Type UFS, uncoated	G	E-4	4000 .008	S.F.	1.79	.50	.04	2.33	2.73
6200	Galvanized	G		4000 .008	.	1.58	.50	.04	2.12	2.59
6220	24 ga., 1" deep, Type UF1X, uncoated	G		3900 .008		1.74	.51	.04	2.29	2.7:
6240	Galvanized	G	E-4	3900 .008	S.F.	2.05	.51	.04	2.60	3.0
6300	24 ga., 1-5/16" deep, Type UFX, uncoated	G		3800 .008		1.86	.53	.04	2.43	2.9(
6400	Galvanized	G		3800 .008		2.19	.53	.04	2.76	3.20
6500	22 ga., 1-5/16" deep, uncoated	G		3700 .009		2.35	.54	.04	2.93	3.40
6600	Galvanized	G		3700 .009		2.40	.54	.04	2.98	3.5
6700	22 ga., 2" deep, uncoated	G		3600 .009		3.06	.55	.04	3.65	4.27