ARCHITECTURAL METALS INC.

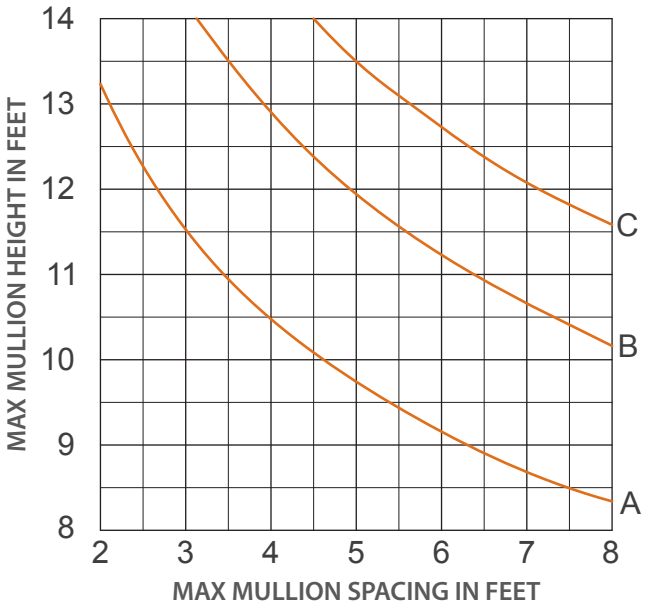
4-1/2" FLUSH GLAZE FOR 1/4"

WINDLOAD AND DEADLOAD CHARTS

WINDLOAD CHART

THE FOLLOWING CHARTS ARE BASED ON UNIFORM WIND LOAD OF 20 PSF AND AN ALLOWABLE DEFLECTION OF L/175, WHERE L= SPAN LENGTH IN INCHES. THEY ARE ALSO BASED ON USE OF 6063- T5 ALUMINUM EXTRUSIONS AND A-36 STEEL, WHERE STEEL REINFORCING IS INDICATED.
THESE CHARTS APPLY WHEN SHAPES ARE USED AS VERTICAL MULLIONS ONLY AND DO NOT APPLY WHEN MEMBERS ARE USED AS HORIZONTALS.
TO OBTAIN ALLOWABLE SPAN (IN INCHES) FOR ANY LOADING OTHER THAN 20 PSF, MULTIPLY THE SPAN LENGTH (IN INCHES) OBTAINED FROM THE CHART BY THE FOLLOWING FACTORS.
9098= A-36 STEEL REINFORCEMENT.

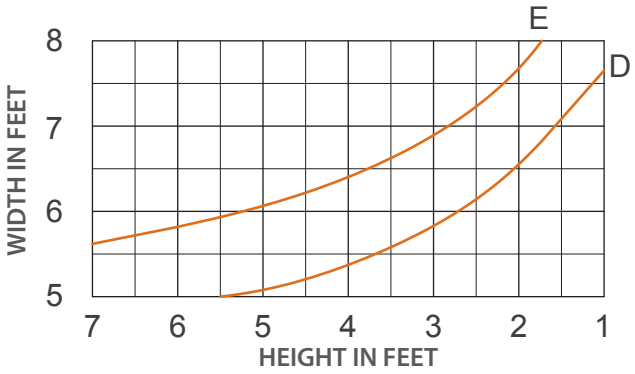
LOAD	FACTOR
15 PSF	1.10064
25 PSF	.92832
30 PSF	.87358
35 PSF	.82983
40 PSF	.79370



SECTION VALUES			
GRAPH	PART NUMBER	Ixx IN.^{4}	Sxx IN.^{3}
A	1000, 1005	3.026	1.345
B	1000, 1005, 9098	5.561	2.471
C	1000, 1005, (2)9098	8.096	3.598

DEADLOAD CHART

HORIZONTAL OR DEADLOAD LIMITATIONS ARE BASED UPON 1/8" (1/16" FOR TRANSOM BARS), MAXIMUM ALLOWABLE DEFLECTION AT THE CENTER OF AN INTERMEDIATE HORIZONTAL MEMBER. THE ACCOMPANYING CHARTS ARE CALCULATED FOR THE GLASS TO BE RESTED UPON TWO SETTING BLOCKS POSITIONED AR 1/4 POINTS, OR ONE FOURTH OF THE MEMBER'S LENGTH AS MEASURED FROM EACH END.



SECTION VALUES				
GRAPH	DEF.	PART NUMBER	Iyy IN.^{4}	Syy IN.^{3}
D	.062	1002	.441	.436
E	.125	1002	.441	.436