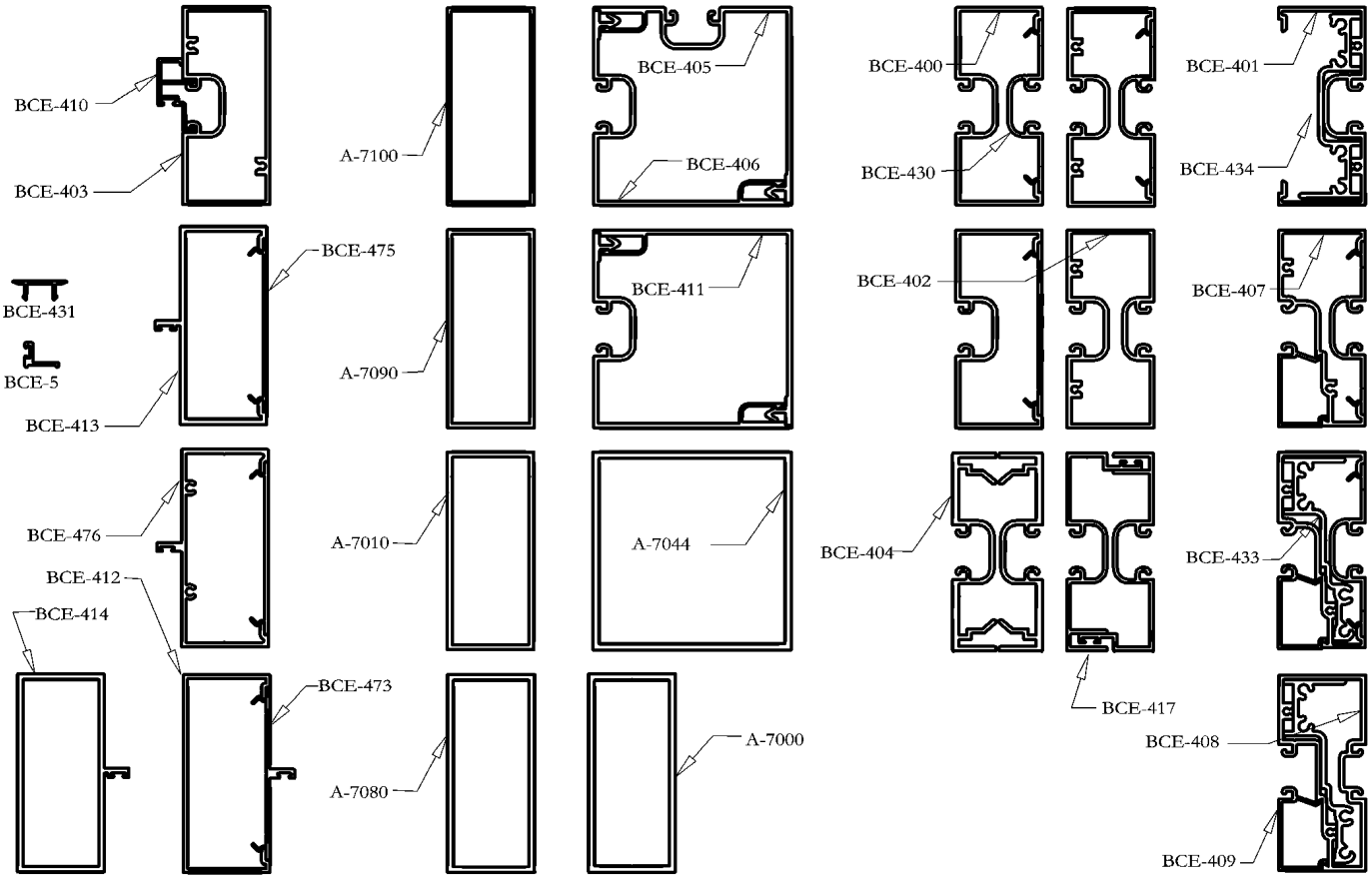
BONNELL ALUMINUM

INDEX SHEET
1 3/4" X 4" FLUSH GLAZED
BCE-400 SERIES

1/4 SIZE DETAILS



THIS SYSTEM IS DESIGNED TO BE ASSEMBLED WITH #8 SCREWS

GASKETS

UNIVERSAL RUBBER COMPANY 800-782-2375	#2028 #2101	INTERIOR & EXTERIOR FOR 3/8" GLASS
REED RUBBER PRODUCTS 800-325-9698	#3734 #4893	INTERIOR & EXTERIOR ALTERNATIVE
TREMCO 800-321-6357	TR-2062E	INTERIOR & EXTERIOR

DOOR PILE

SCHLEGEL CORP. 800-828-6237	AS SELECTED	USED WITH BCE-5 AND LIKE SHAPES
AMESBURY GROUP INC. 704-878-6892	AS SELECTED	USED WITH BCE-5 AND LIKE SHAPES

NO TEST DATA AVAILABLE

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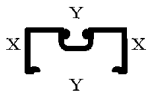
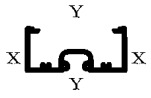
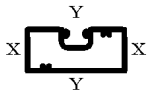
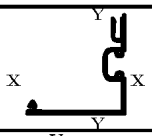
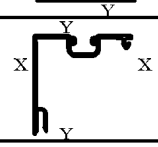
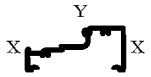
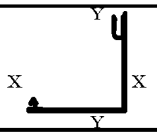
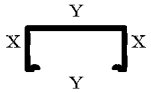
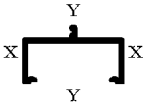
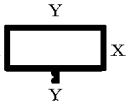
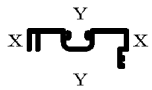
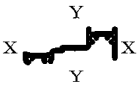
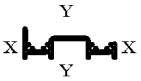
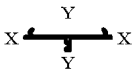
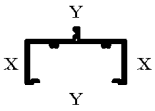
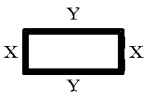
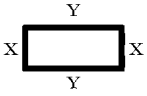
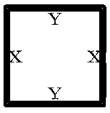
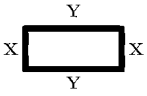
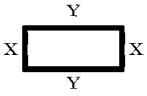
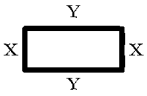
PRICING FACTORS
1 3/4" X 4" FLUSH GLAZED
BCE-400 SERIES

BONNELL ALUMINUM

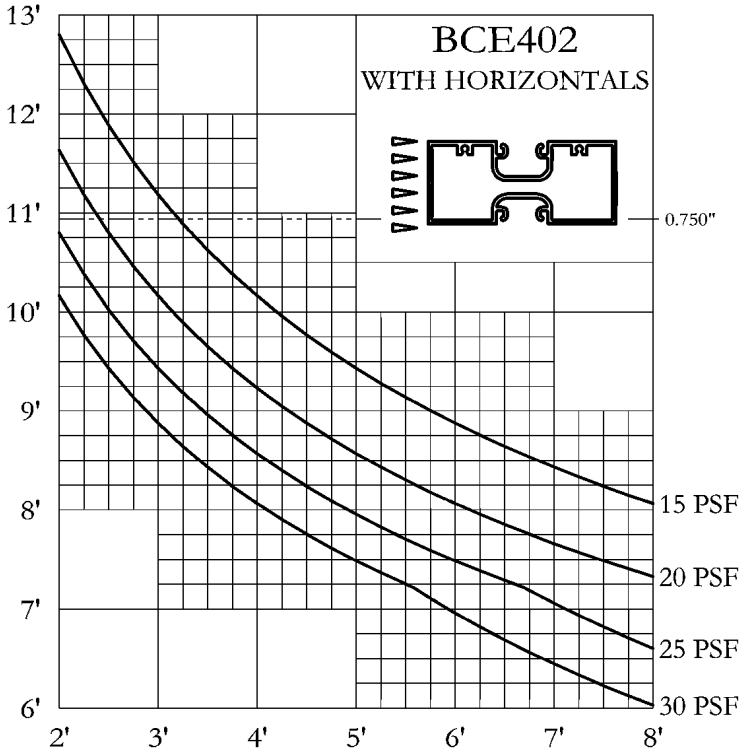
WEIGHT PER FT	EST PER	FACTOR	CAVITY AREA	PART NUMBER	STRUCTURAL VALUES X-X		Y-Y	1/8 SIZE DETAILS
1.072	20.936	20	N/A	BCE400	0.286	I	1.789	
					0.248	S	0.895	
1.172	22.482	19	N/A	BCE401	0.297	I	1.912	
					0.250	S	0.956	
1.628	17.153	19	N/A	BCE402	0.555	I	2.066	
					0.598	S	1.033	
1.424	14.536	20	N/A	BCE403	0.547	I	2.018	
					0.589	S	1.009	
1.135	19.087	17	N/A	BCE404	0.074	I	1.660	
					0.136	S	0.830	
1.285	23.720	18	N/A	BCE405	1.841	I	1.706	
					0.700	S	0.595	
1.282	23.753	19	N/A	BCE406	1.725	I	1.827	
					0.605	S	0.689	
0.967	18.229	19	N/A	BCE407	0.229	I	1.528	
					0.236	S	0.701	
1.472	14.389	18	N/A	BCE408	0.402	I	1.845	
					0.392	S	0.861	
0.294	7.705	26	N/A	BCE409	0.021	I	0.095	
					0.031	S	0.110	
0.251	7.076	28	N/A	BCE410	0.010	I	0.037	
					0.022	S	0.045	
1.056	19.485	18	N/A	BCE411	1.696	I	1.665	
					0.615	S	0.595	
0.842	16.707	20	N/A	BCE412	0.288	I	1.723	
					0.242	S	0.862	
1.139	17.936	16	N/A	BCE413	0.384	I	2.195	
					0.308	S	1.096	
1.540	13.016	15	N/A	BCE414	0.740	I	2.447	
					0.562	S	1.223	

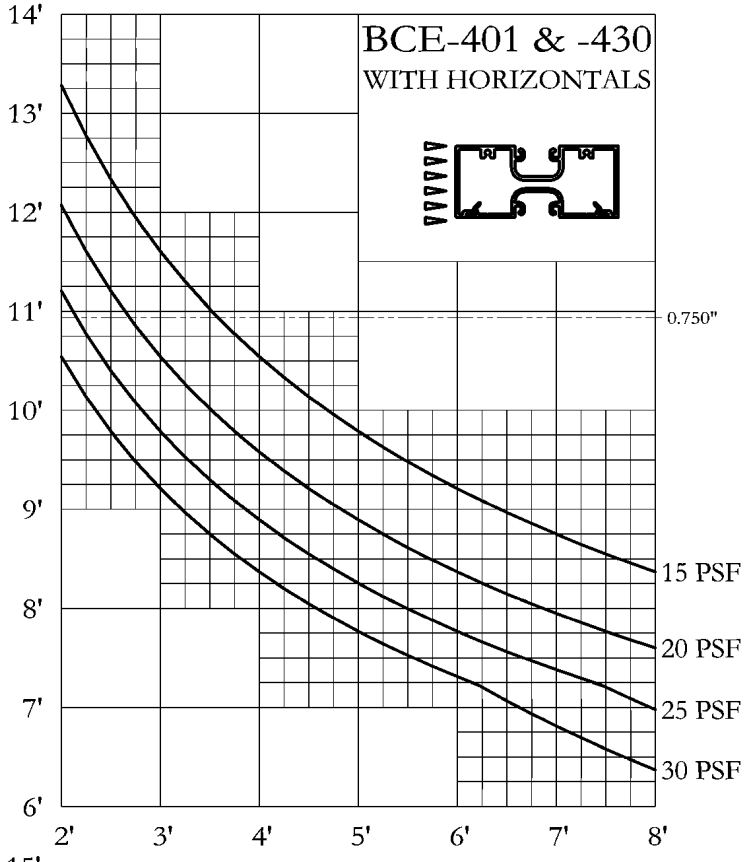
PRICING FACTORS
1 3/4" X 4" FLUSH GLAZED
BCE-400

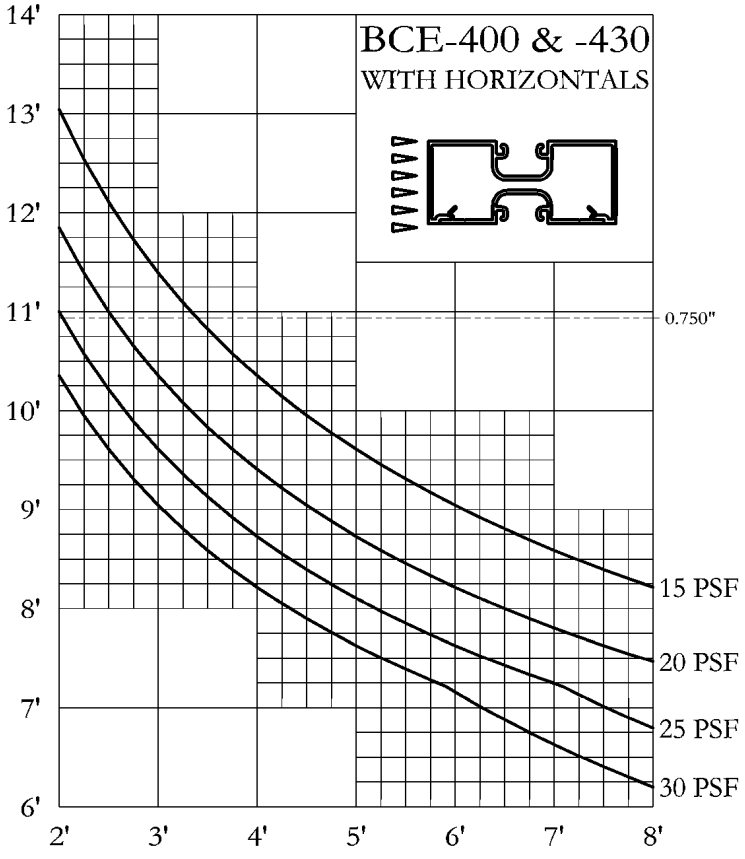
WEIGHT PER FT	EST PER	FACTOR	CAVITY AREA	PART NUMBER	STRUCTURAL VALUES X-X		Y-Y	1/8 SIZE DETAILS
0.896	19.196	21	N/A	BCE417	0.106 0.097	I S	1.327 0.634	
0.552	12.277	22	N/A	BCE430	0.025 0.055	I S	0.395 0.226	
0.112	3.494	31	N/A	BCE431	0.008 0.015	I S	0.001 0.004	
0.899	14.003	16	N/A	BCE433	0.106 0.143	I S	1.103 0.518	
0.979	15.098	15	N/A	BCE434	0.058 0.074	I S	1.271 0.636	
0.448	9.805	22	N/A	BCE473	0.008 0.016	I S	0.356 0.203	
0.370	8.473	23	N/A	BCE475	0.001 0.003	I S	0.356 0.204	
1.042	19.196	18	N/A	BCE476	0.349 0.276	I S	1.938 .0962	
0.109	2.712	25	N/A	BCE5	0.004 0.009	I S	0.002 0.006	
1.650	11.488	13	N/A	A7000	0.732 0.837	I S	2.740 1.370	
1.357	11.488	16	N/A	A7010	0.617 0.705	I S	2.285 1.142	
2.324	15.988	13	N/A	A7044	4.854 2.427	I S	4.854 2.427	
1.524	11.500	14	N/A	A7080	0.683 0.781	I S	2.546 1.273	
1.202	11.500	19	N/A	A7090	0.555 0.634	I S	2.039 1.020	
0.968	11.473	23	N/A	A7100	0.455 0.520	I S	1.660 0.830	

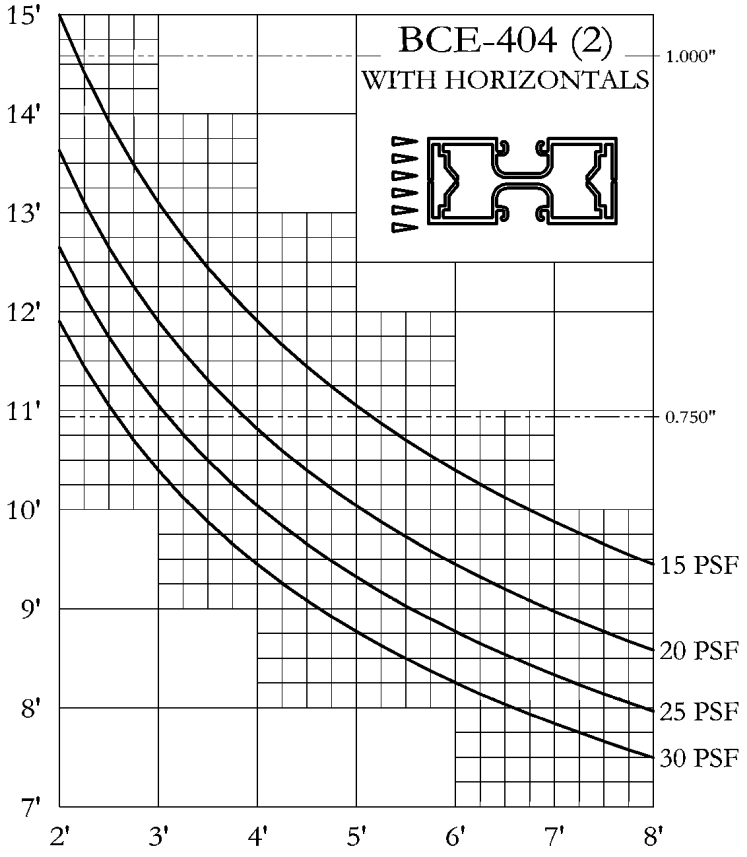
WINDLOAD CHARTS
1 3/4" X 4" FLUSH GLAZED
BCE-400 SERIES

BONNELL ALUMINUM





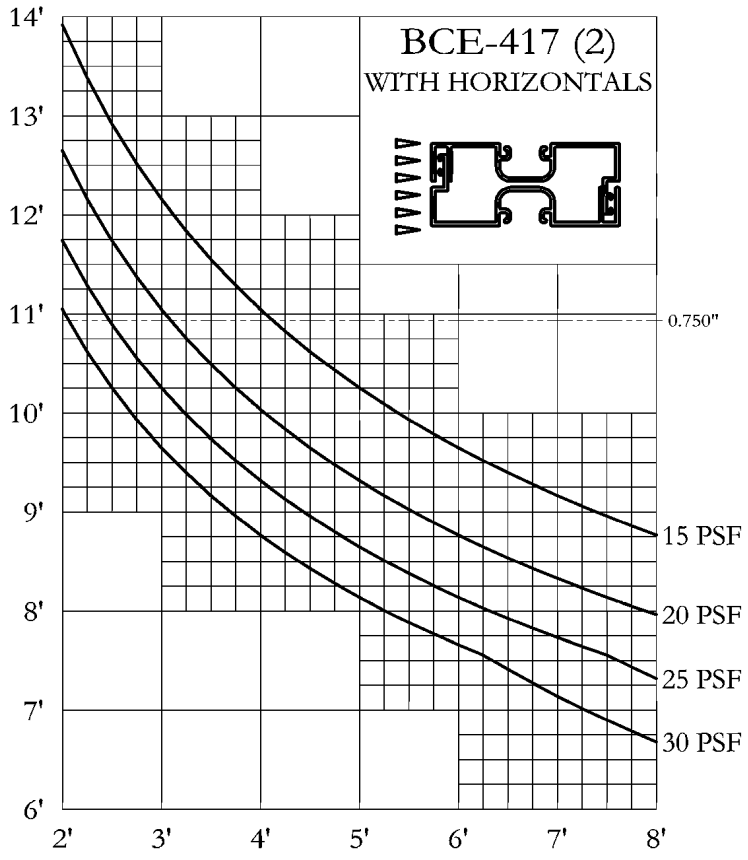


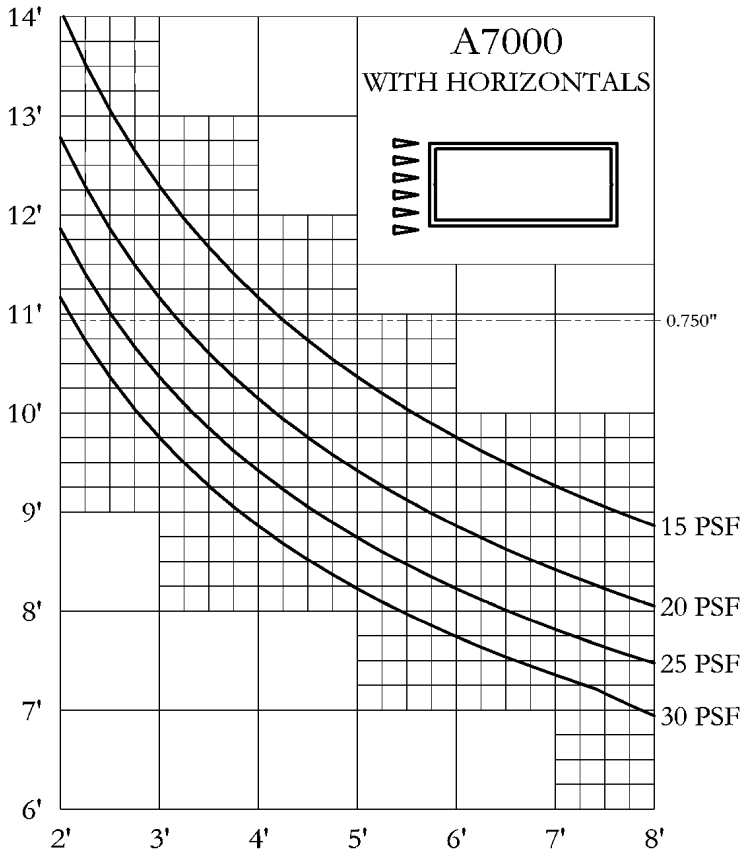


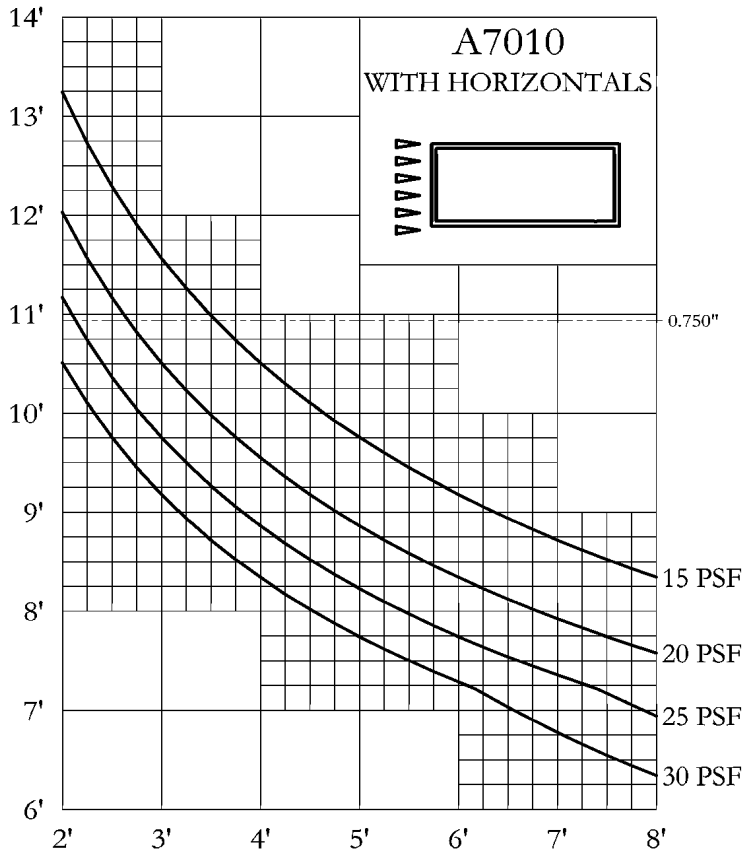
#1 THESE WINDLOAD CHARTS ARE BASED UPON THE LESSER OF DEFLECTION RATIO (L/175) OR STRESS (12667)

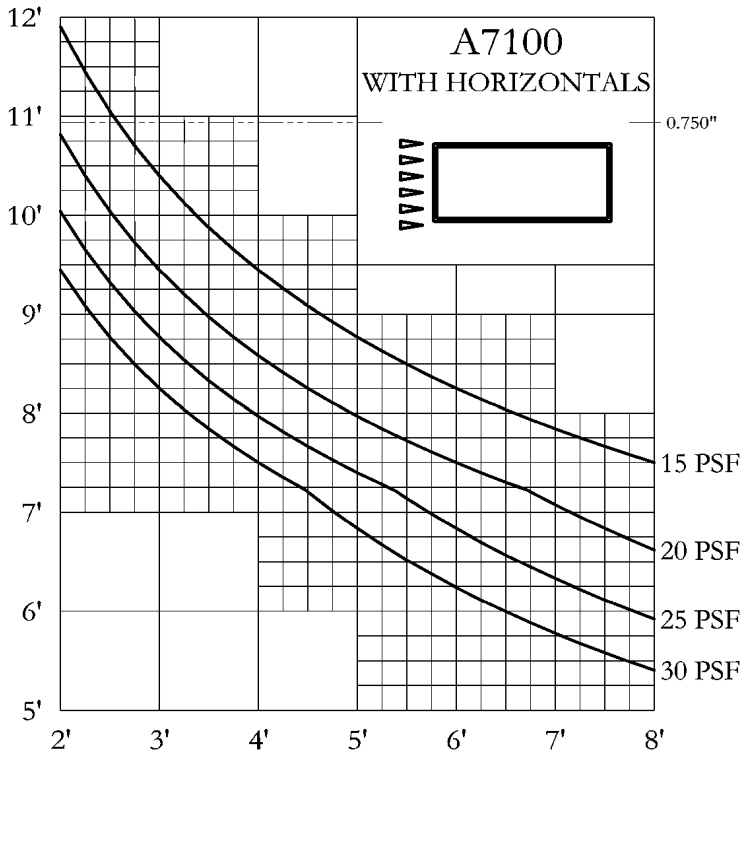
#2 THESE STRUCTURAL CURVES ARE ESTIMATES AND ARE PRESENTED TO THE BEST KNOWLEDGE OF THE WILLIAM L BONNELL CO. IT IS, HOWEVER, THE RESPONSIBILITY OF THE CUSTOMER TO BE SATISFIED THAT THE CURVES ARE CORRECT. THE WILLIAM L BONNELL CO. MAY NOT BE HELD RESPONSIBLE IN ANY WAY FOR THE FAILURE OF PERFORMANCE RESULTING FROM THE USE OF THESE CURVES.

WINDLOAD CHARTS
1 3/4" X 4" FLUSH GLAZED
BCE-400 SERIES









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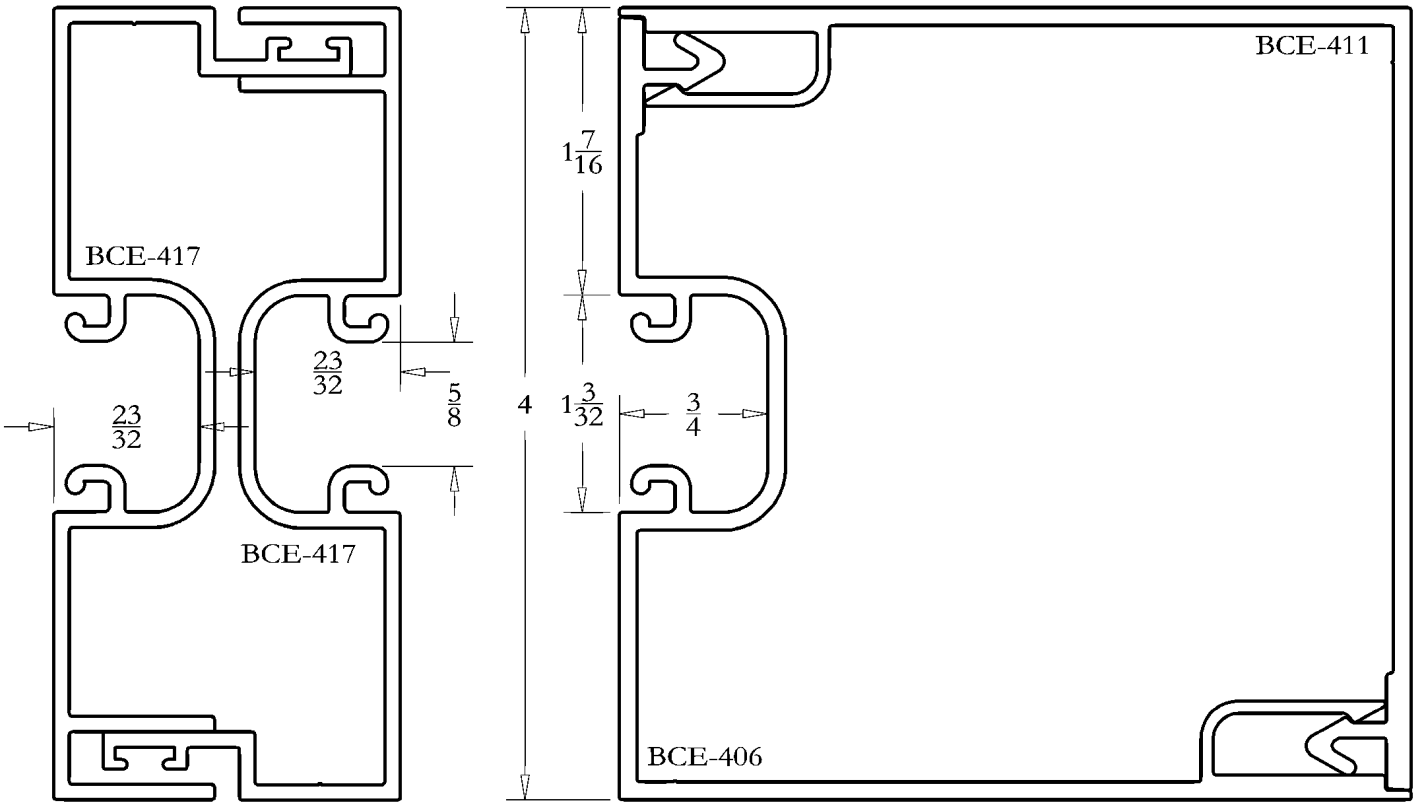
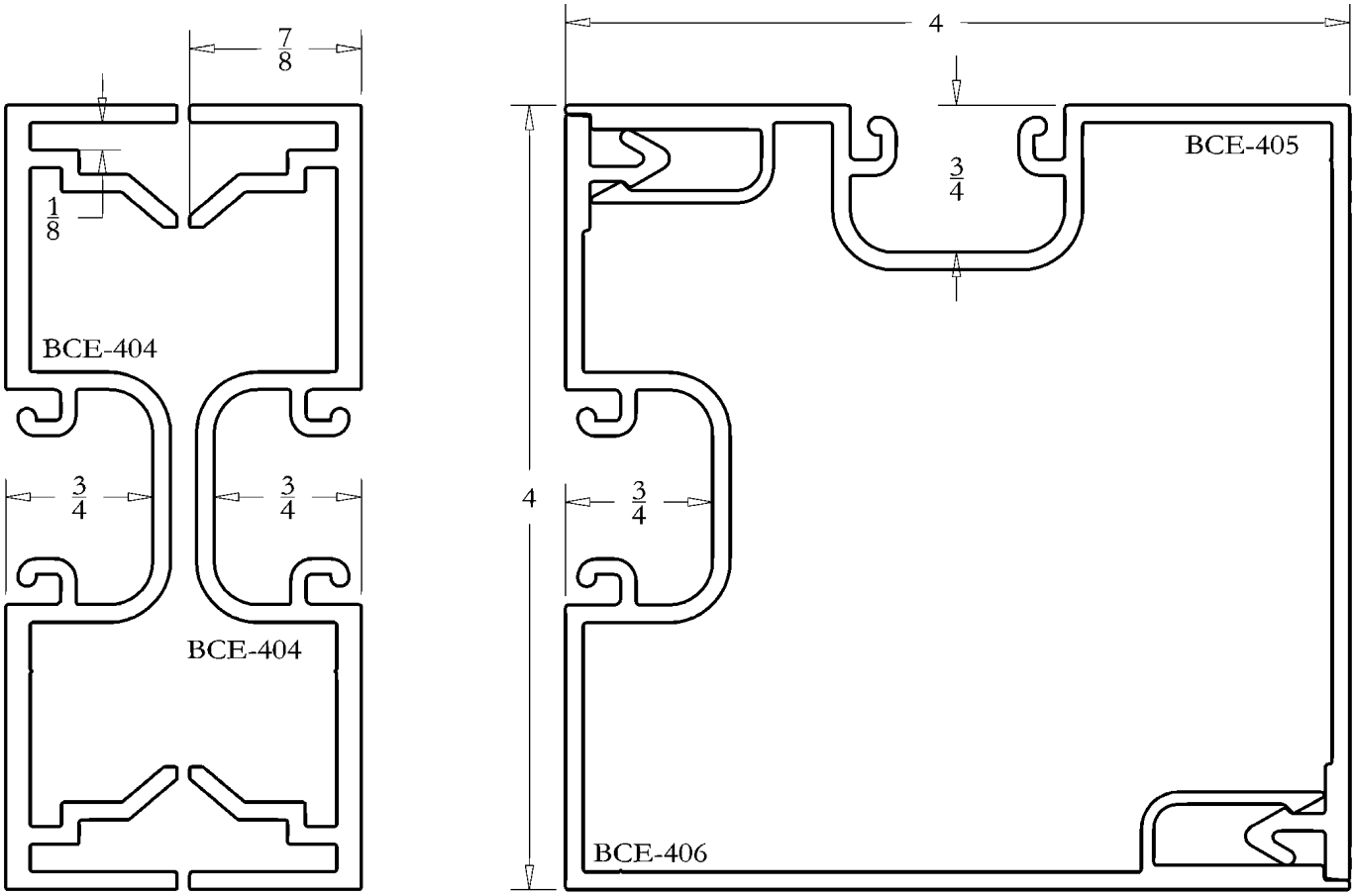
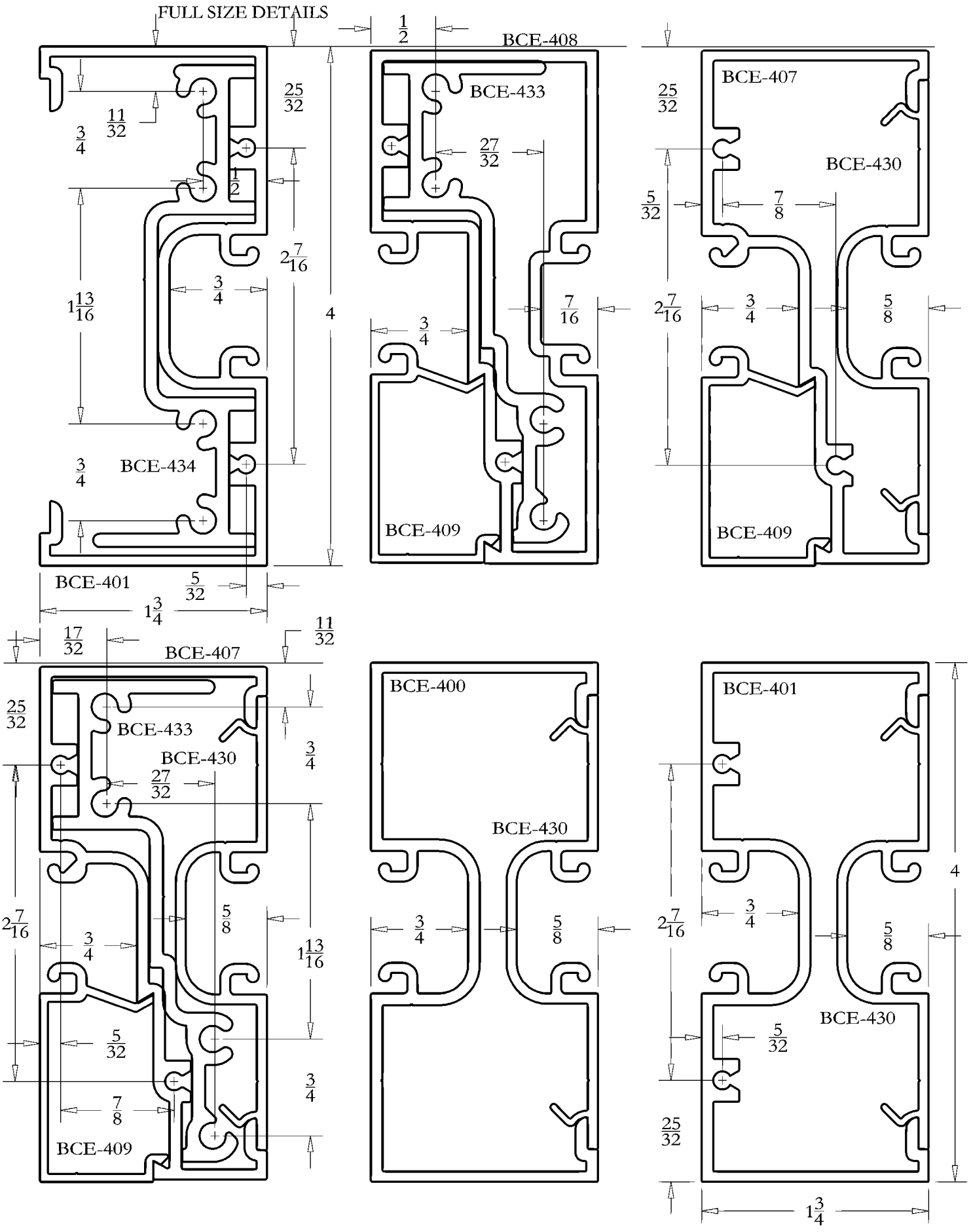
DETAIL SHEET
1 3/4" X 4" FLUSH GLAZED
BCE-400

BONNELL ALUMINUM

FULL SIZE DETAILS



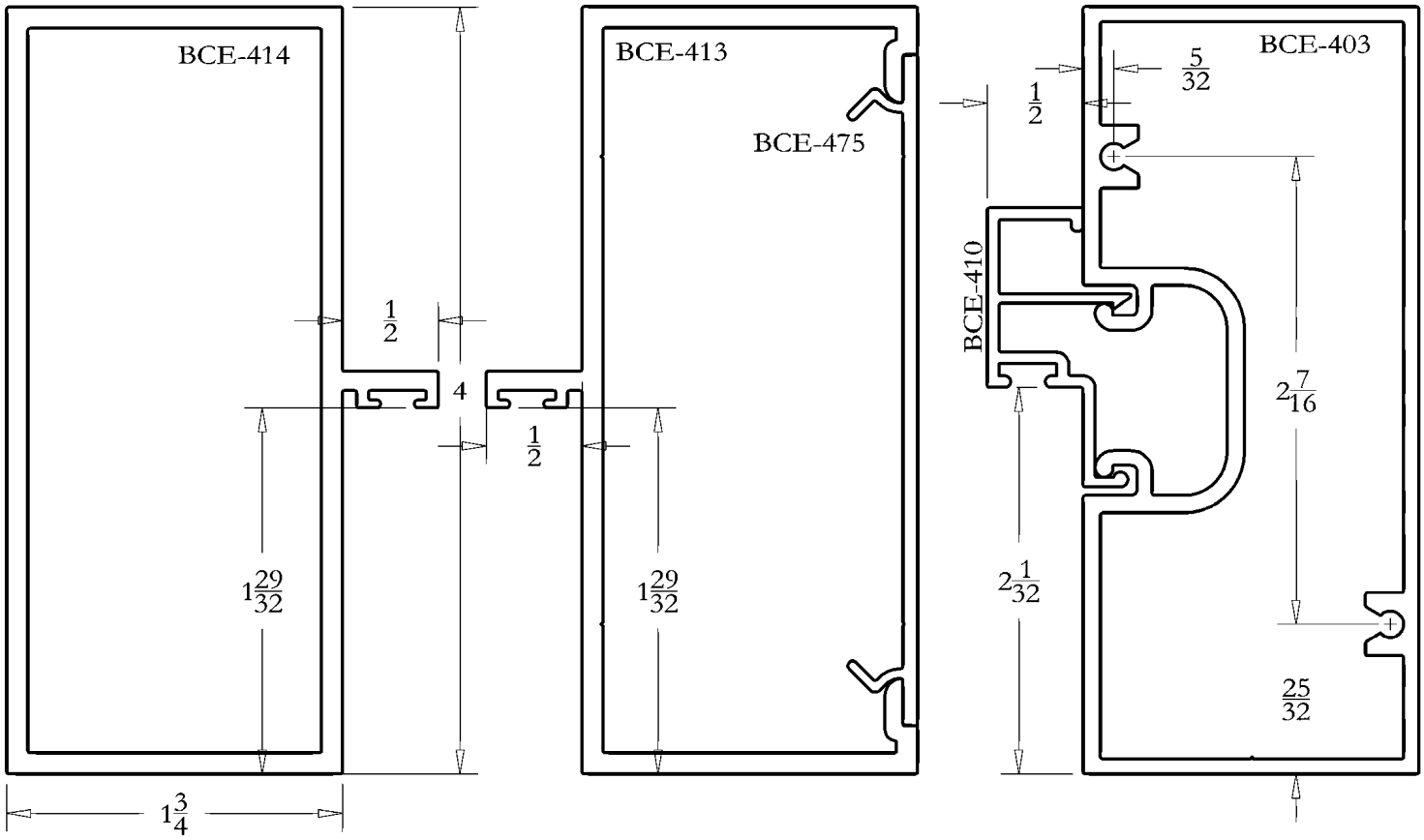


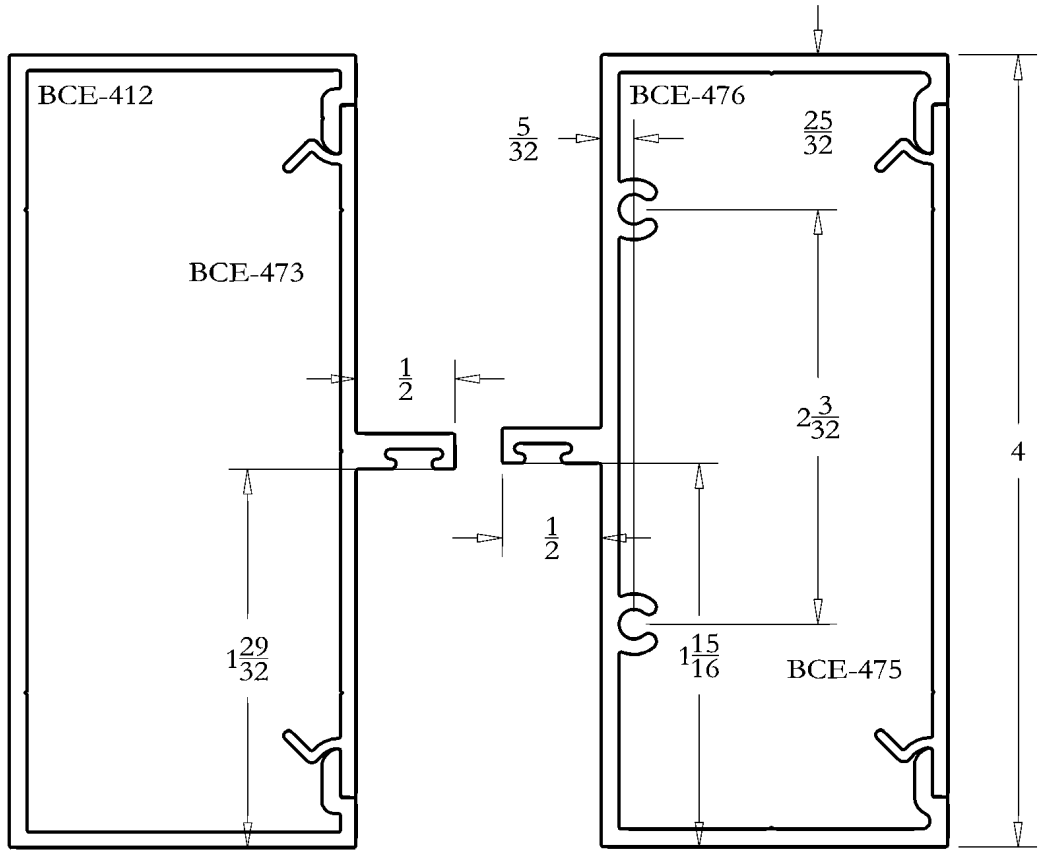

FULL SIZE DETAILS
BCE-401
BCE-434
BCE-408
BCE-433
BCE-409
BCE-407
BCE-430
BCE-409
BCE-407
BCE-433
BCE-430
BCE-409
BCE-400
BCE-430
BCE-401
BCE-430

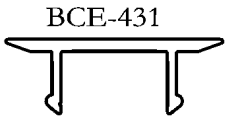
DETAIL SHEET
1 3/4" X 4" FLUSH GLAZED
BCE-400

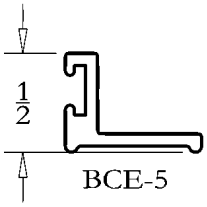
BONNELL ALUMINUM

FULL SIZE DETAILS

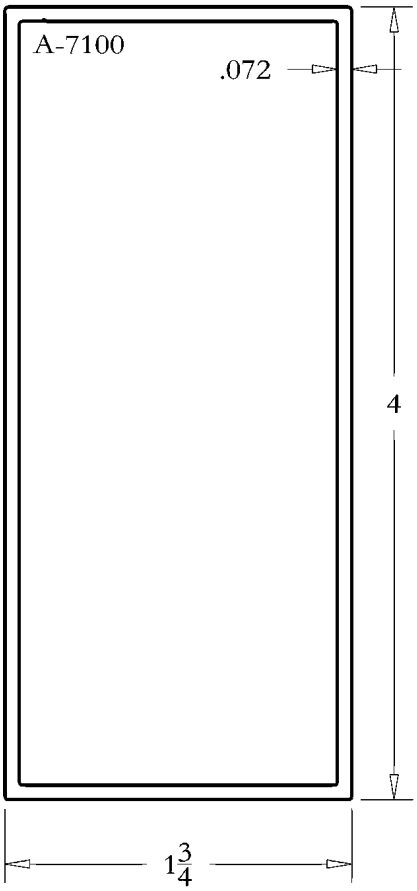


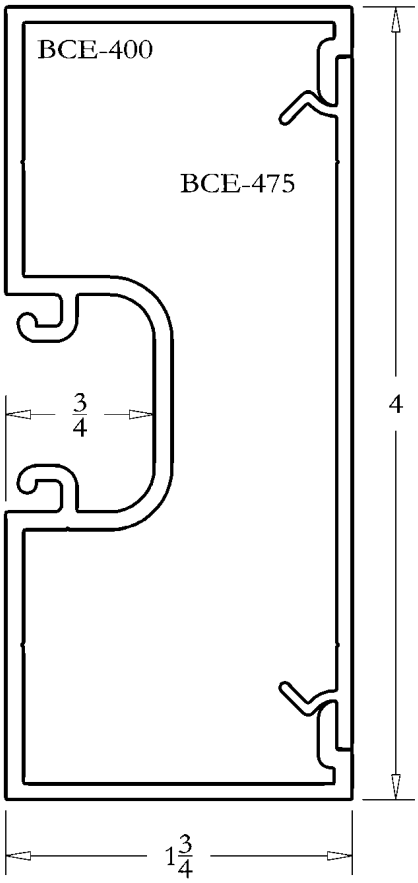


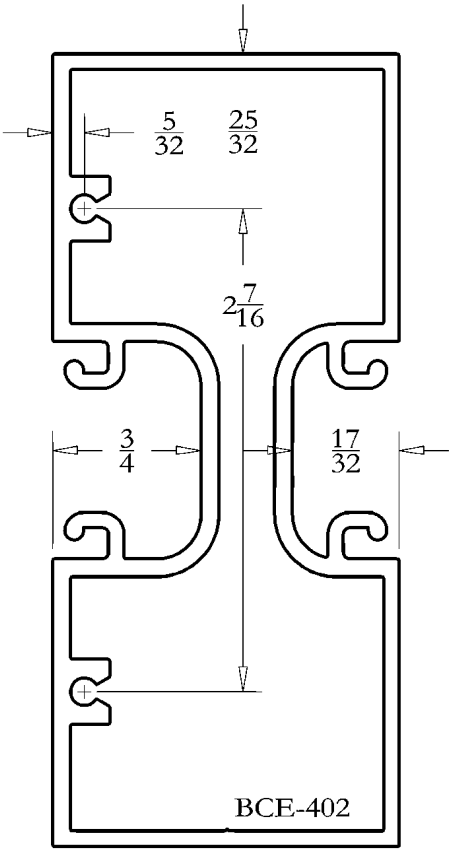


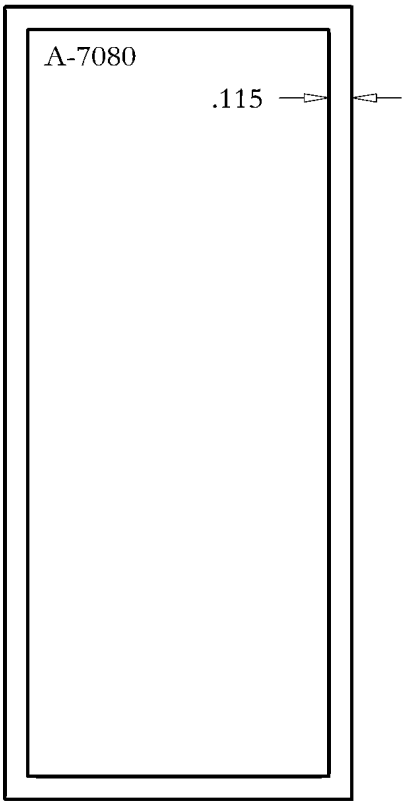


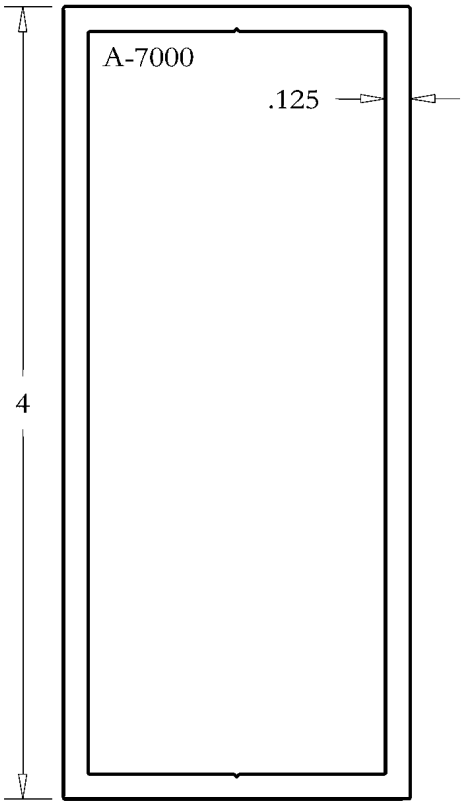
FULL SIZE DETAILS



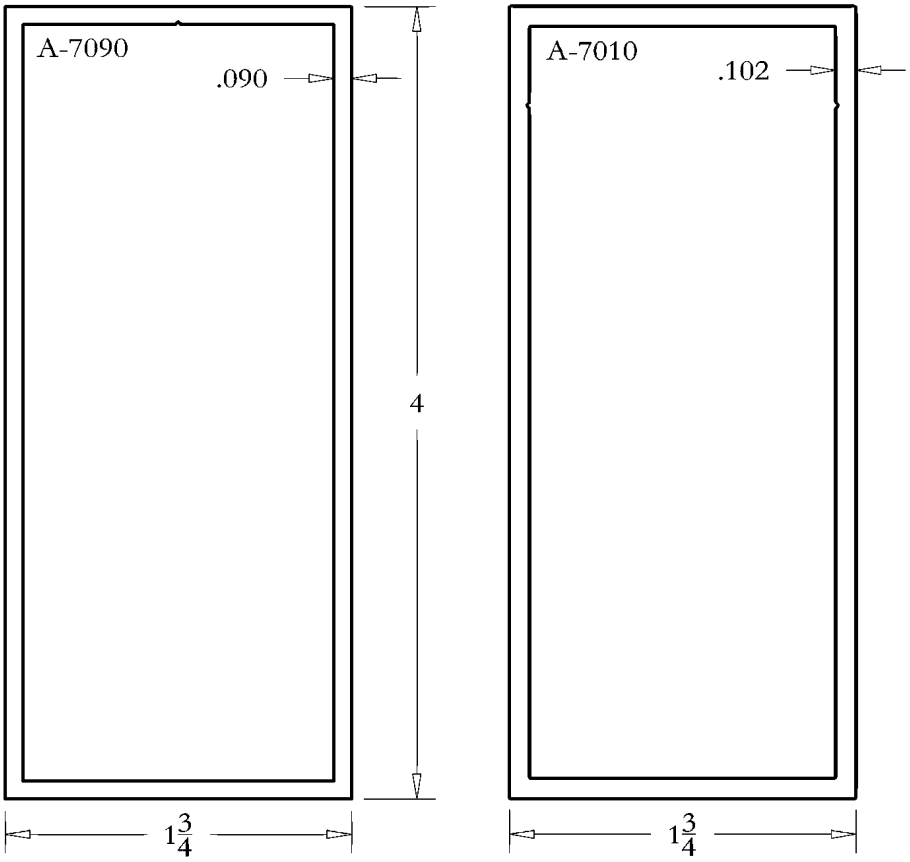
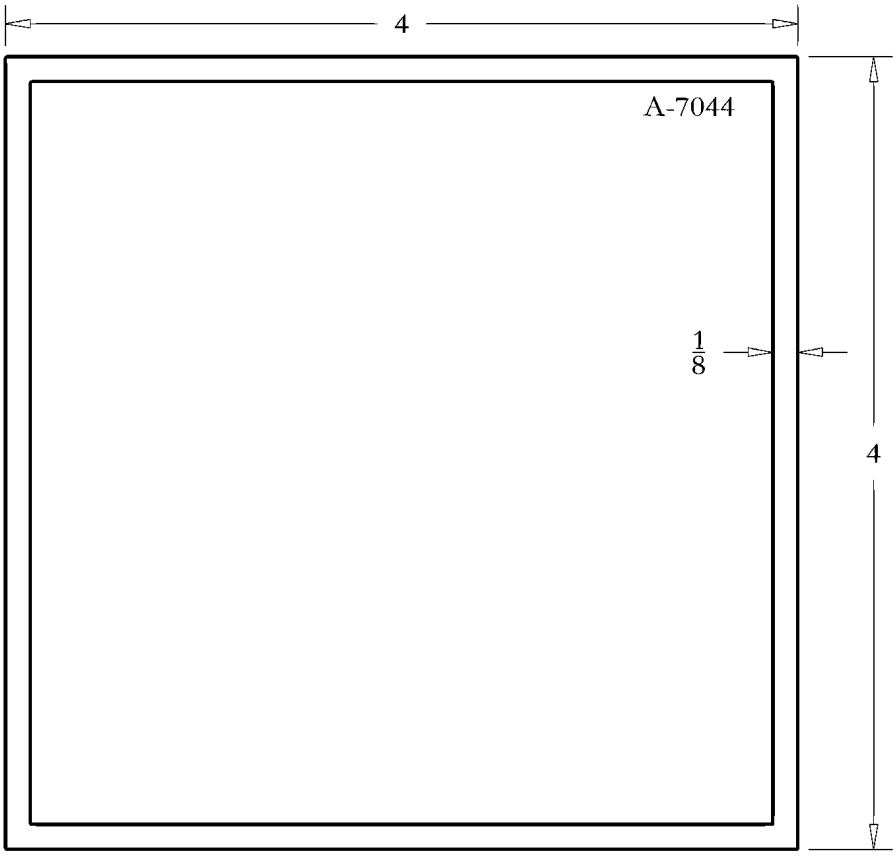








DETAIL SHEET
1 3/4" X 4" FLUSH GLAZED
BCE-400

BONNELL ALUMINUM

FULL SIZE DETAILS