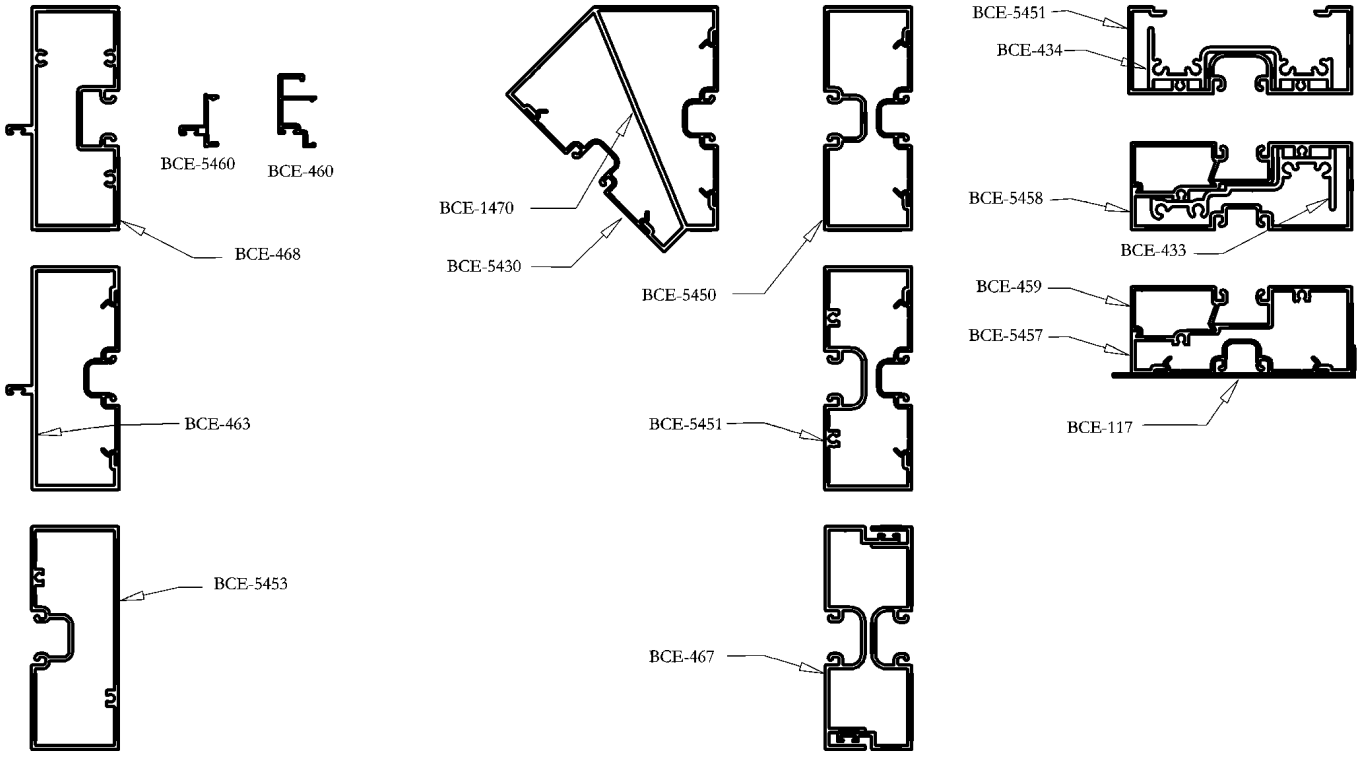
BONNELL ALUMINUM

INDEX SHEET
1 3/4" X 4 1/2" FLUSH GLAZED
BCE-5450 SERIES

1/4 SIZE DETAILS



THIS SYSTEM IS DESIGNED TO BE ASSEMBLED WITH #10 SCREWS

GASKETS

REED RUBBER PRODUCTS 800-325-9698	#3734 #4893	INTERIOR & EXTERIOR ALTERNATIVE
UNIVERSAL RUBBER CO. 800-782-2375	#2028	INTERIOR & EXTERIOR
TREMCO 800-321-6357	TR-2062E	INTERIOR & EXTERIOR

DOOR PILE

SCHLEGEL CORP. 800-828-6237	AS SELECTED	USED WITH BCE-460 AND LIKE SHAPES
AMESBURY GROUP INC. 704-878-6892	AS SELECTED	USED WITH BCE-460 AND LIKE SHAPES

NO TEST DATA AVAILABLE

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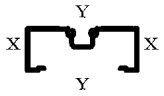
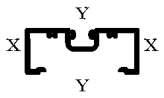
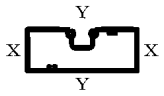
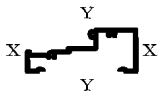
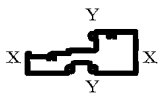
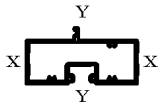
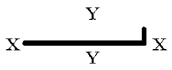
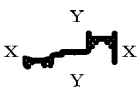
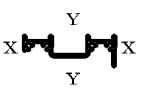
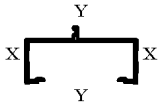
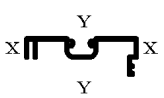
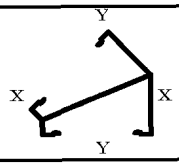
PRICING FACTORS
1 3/4" X 4 1/2" FLUSH GLAZED
BCE-5450 SERIES

BONNELL ALUMINUM

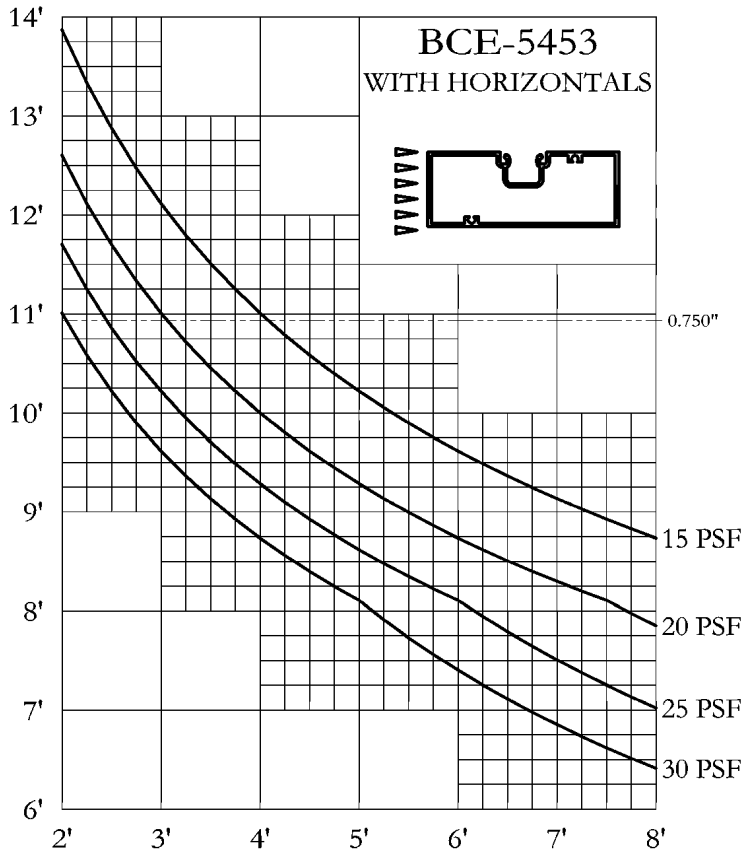
WEIGHT PER FT	EST PER	FACTOR	CAVITY AREA	PART NUMBER	STRUCTURAL VALUES X-X		Y-Y	1/8 SIZE DETAILS
0.424	11.489	27	N/A	BCE5430	0.016 0.034	I S	0.320 0.183	
1.078	22.383	21	N/A	BCE5450	0.330 0.296	I S	2.398 1.066	
1.184	24.602	21	N/A	BCE5451	0.346 0.301	I S	2.446 1.087	
1.417	14.971	21	N/A	BCE5453	0.575 0.641	I S	2.627 1.168	
1.016	20.989	21	N/A	BCE5457	0.265 0.286	I S	2.019 0.826	
1.402	15.319	21	N/A	BCE5458	0.402 0.391	I S	2.174 0.912	
0.295	8.202	28	N/A	BCE459	0.021 0.030	I S	0.129 0.132	
0.162	4.371	27	N/A	BCE5460	0.005 0.011	I S	0.012 0.019	
1.656	17.044	19	N/A	BCE468	0.697 0.521	I S	2.858 1.260	
0.404	10.982	27	N/A	BCE117	0.004 0.007	I S	0.780 0.290	
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	
1.069	19.896	19	N/A	BCE463	0.413 0.346	I S	2.580 1.140	
0.943	20.196	21	N/A	BCE467	0.111 0.100	I S	1.758 0.748	

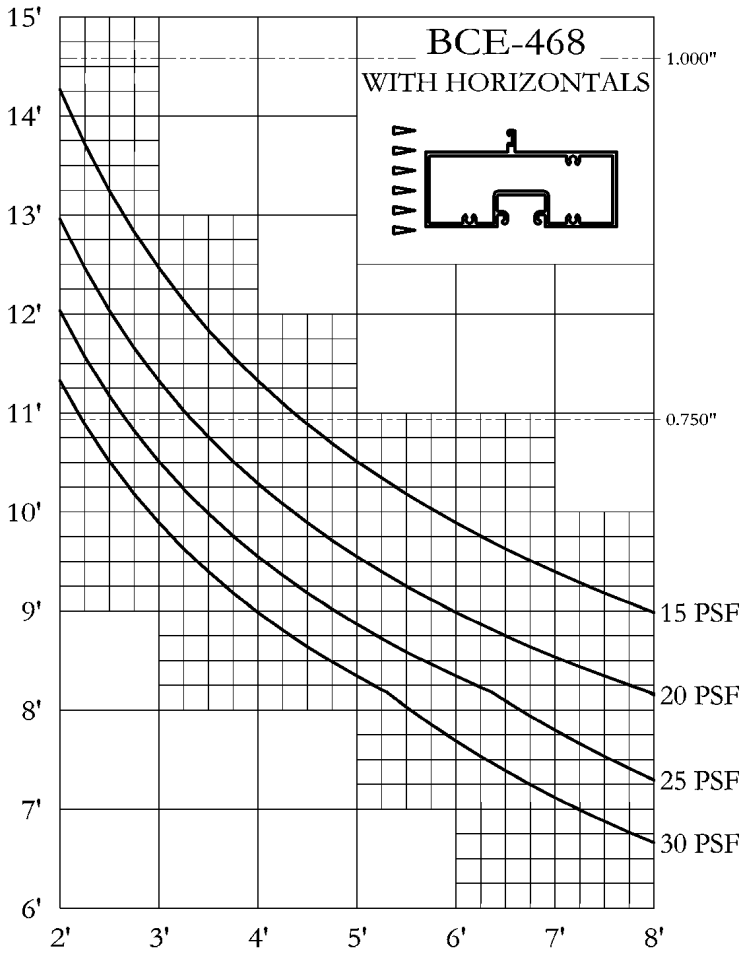
PRICING FACTORS
1 3/4" X 4 1/2" FLUSH GLAZED
BCE-5450 SERIES

WEIGHT PER FT	EST PER	FACTOR	CAVITY AREA	PART NUMBER	STRUCTURAL VALUES X-X		Y-Y	1/8 SIZE DETAILS
1.424	27.580	19	N/A	BCE1470	1.619	I	3.345	
					0.625	S	1.143	
0.251	7.076	28	N/A	BCE460	0.010	I	0.043	
					0.020	S	0.056	

WINDLOAD CHARTS
1 3/4" X 4 1/2" FLUSH GLAZED
BCE-5450 SERIES

BONNELL ALUMINUM

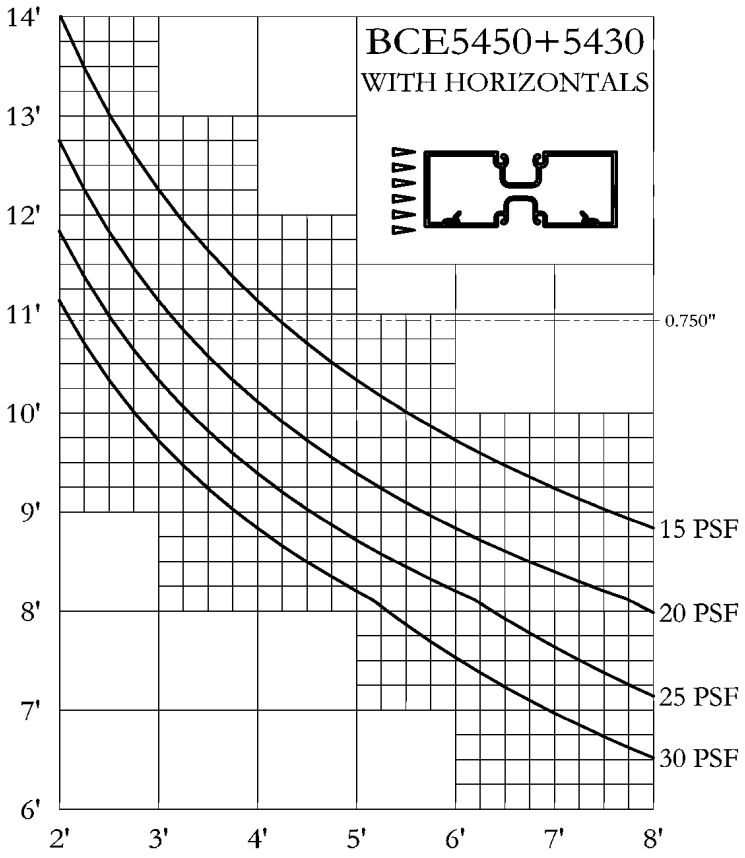


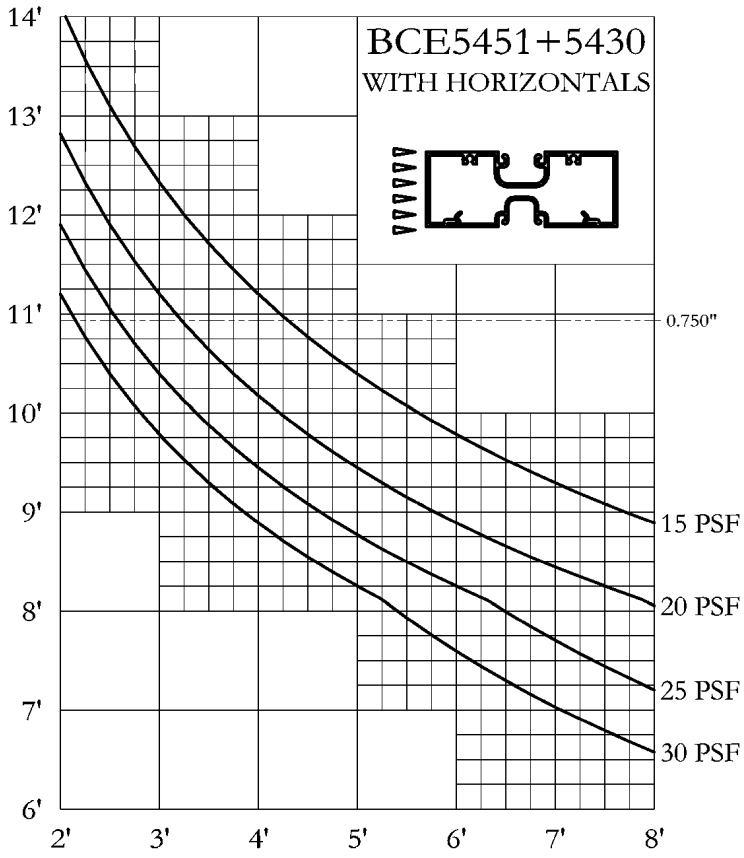


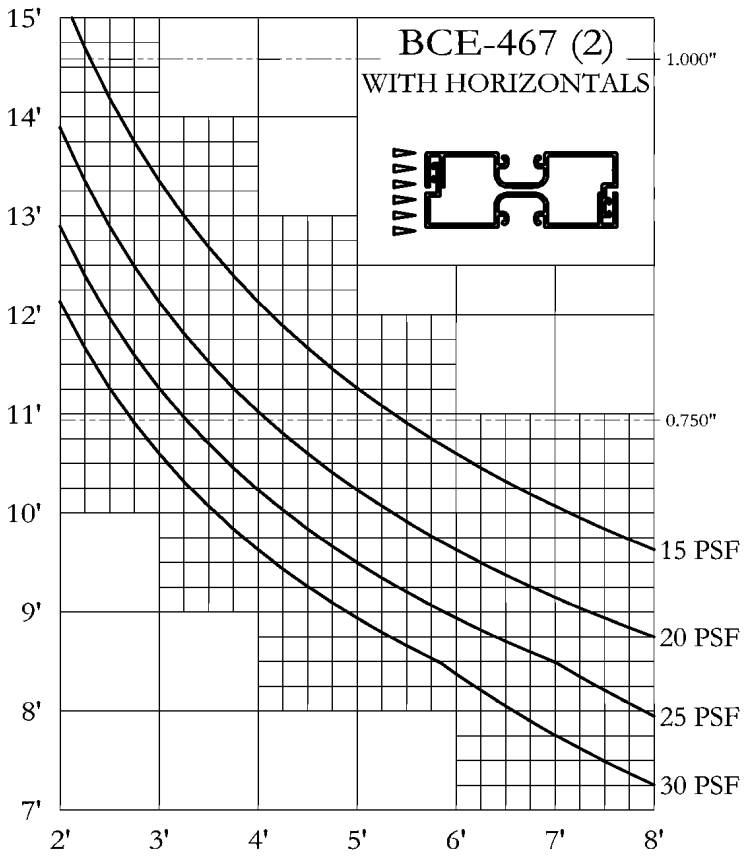
#1 THESE WINDLOAD CHARTS ARE BASED UPON THE LESSER OF DEFLECTION RATIO (L/175) OR STRESS (12667)

#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 1/2" FLUSH GLAZED
BCE-5450 SERIES







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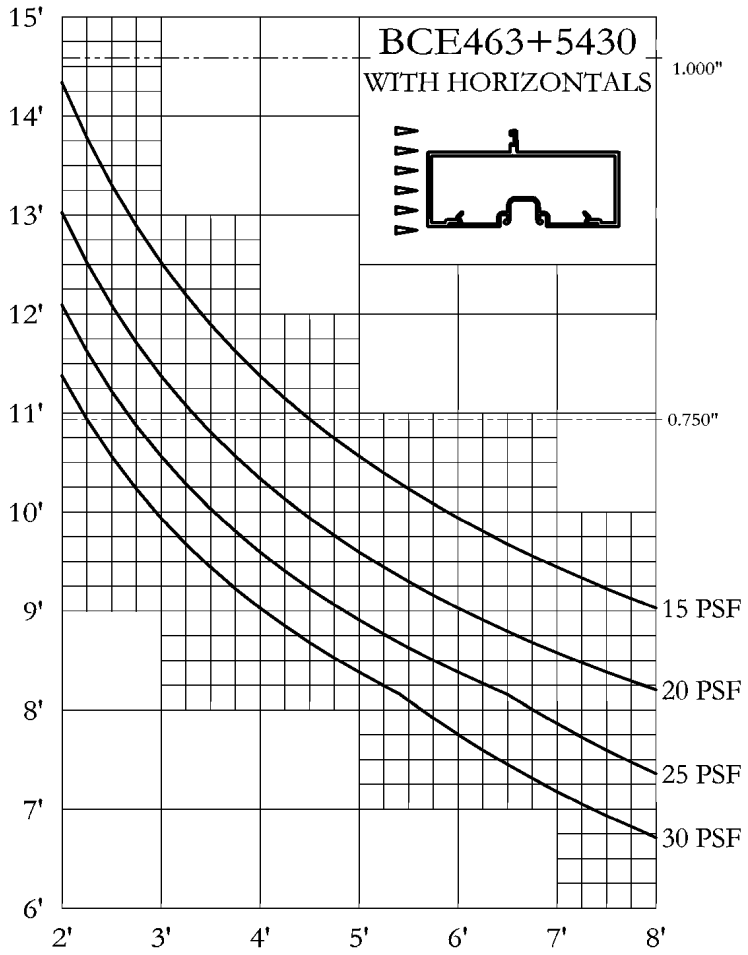
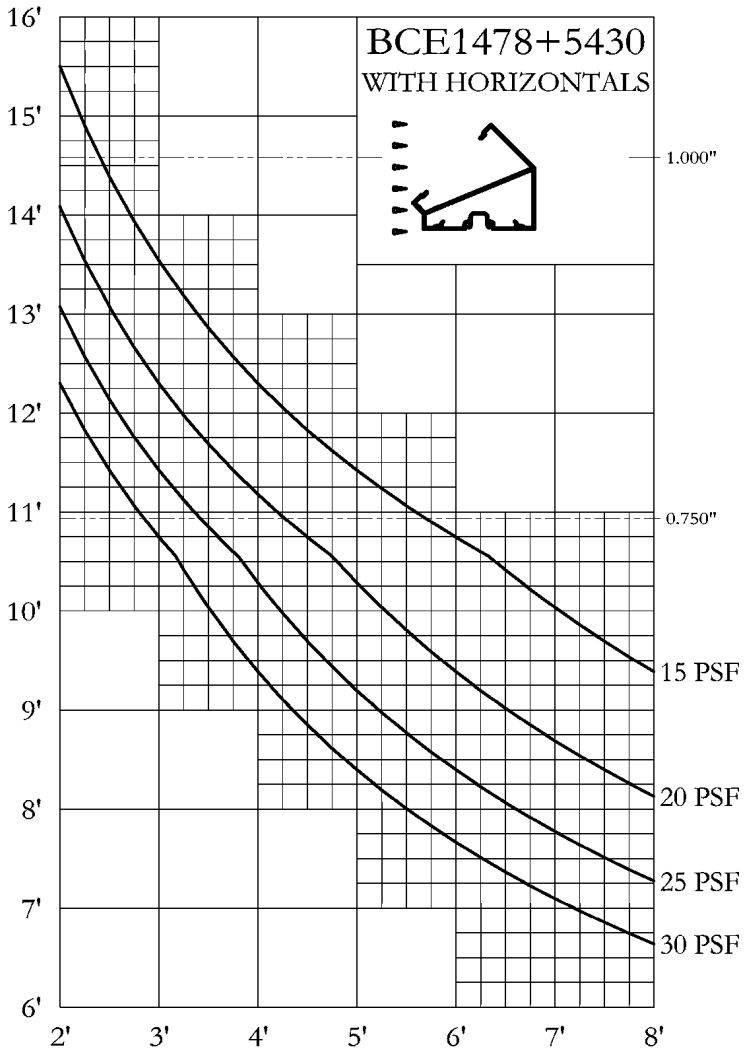
1 3/4" X 4 1/2" FLUSH GLAZED
BCE-5450 SERIES

BONNELL ALUMINUM





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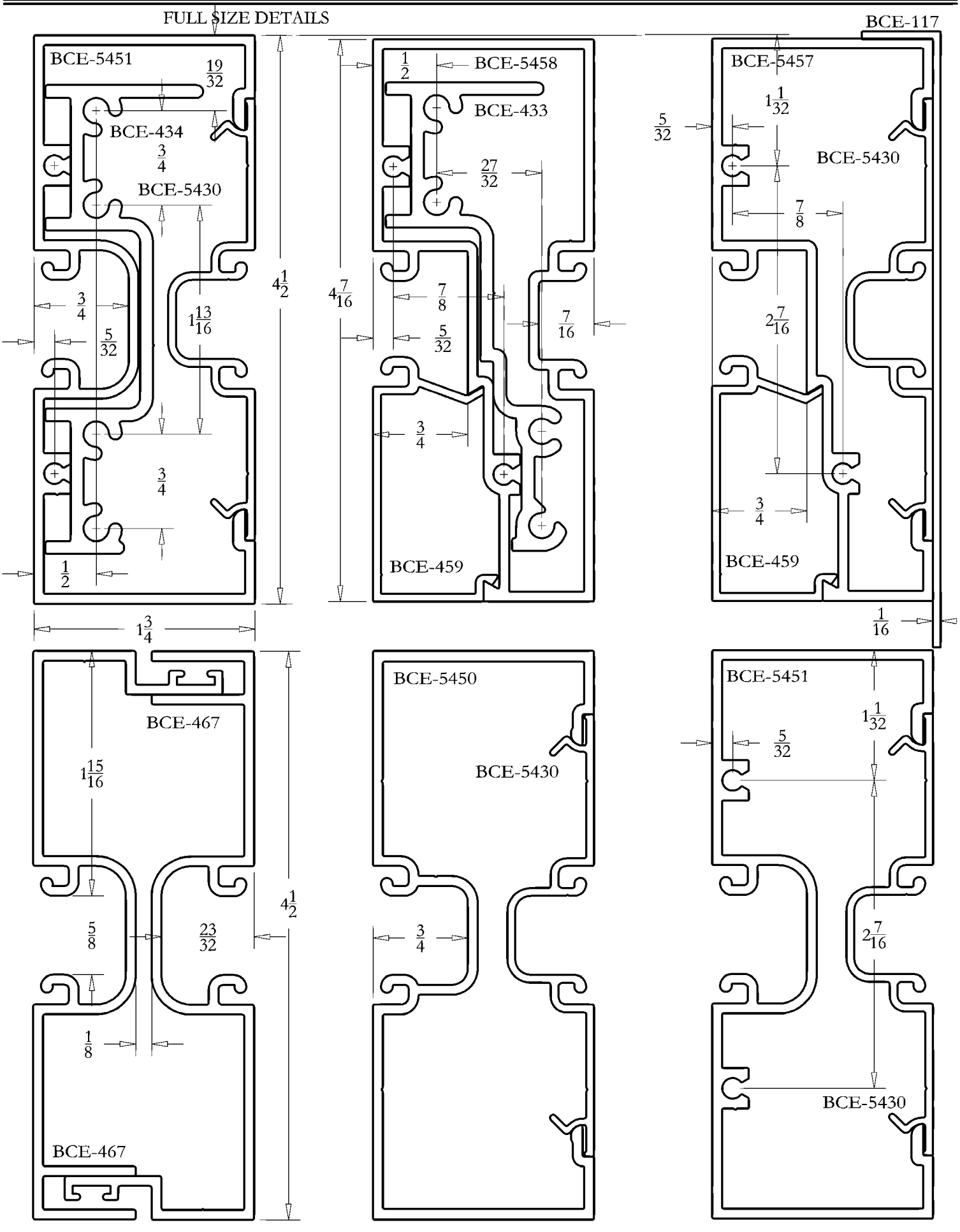
BONNELL ALUMINUM

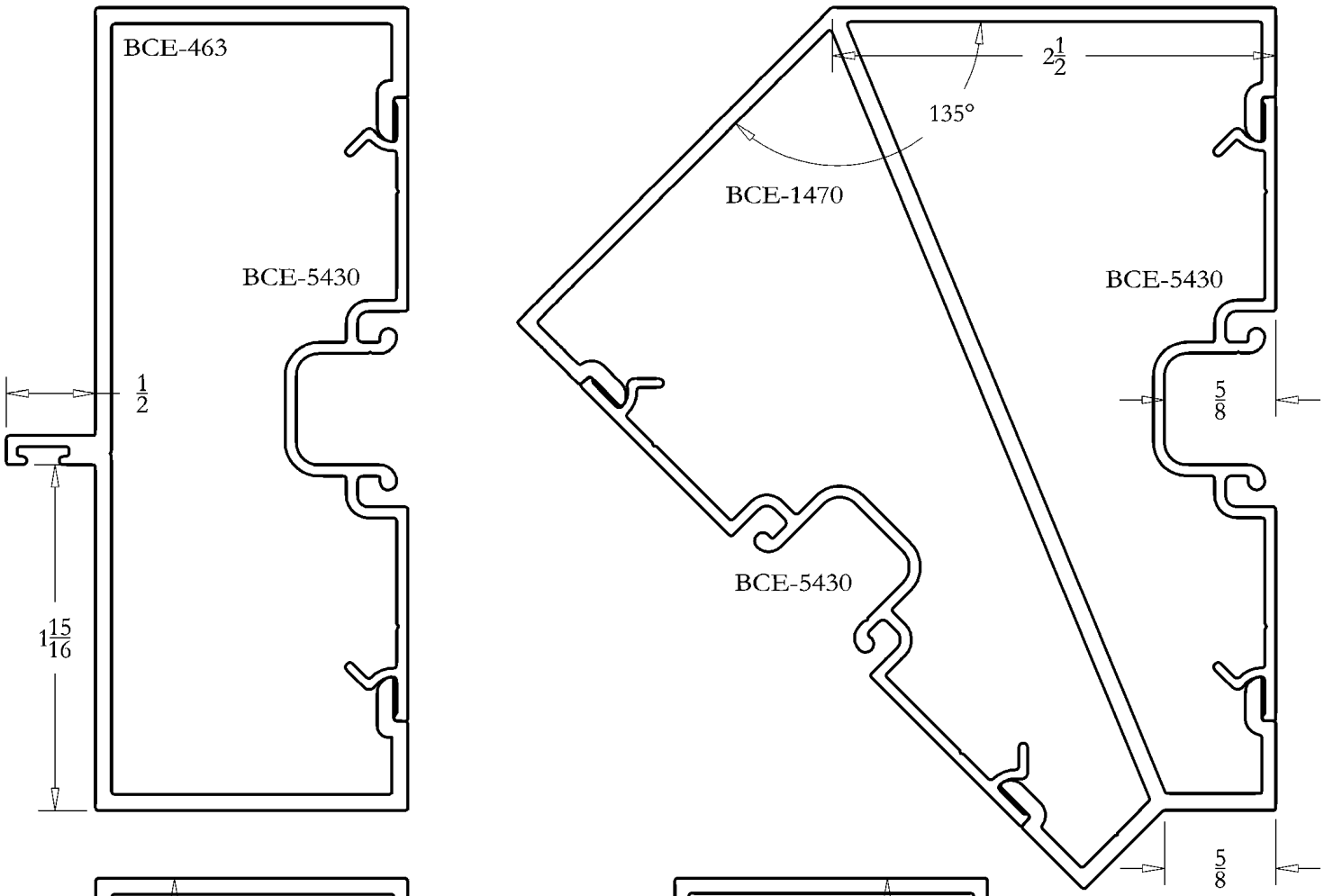
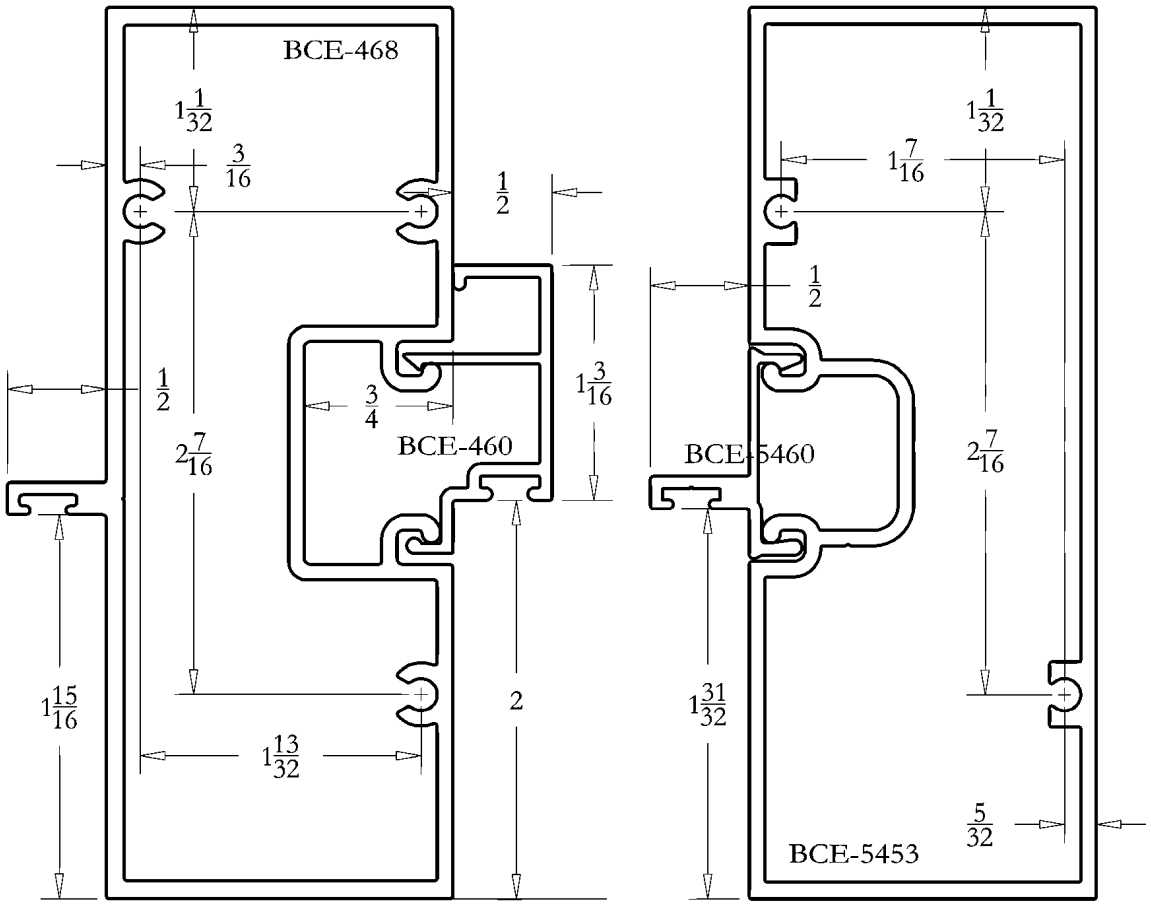
DETAIL SHEET
1 3/4" X 4 1/2" FLUSH GLAZED
BCE-5450

SD-136
REV A
PG 7

FULL SIZE DETAILS



DETAIL SHEET
1 3/4" X 4 1/2" FLUSH GLAZED
BCE-5450

BONNELL ALUMINUM

FULL SIZE DETAILS