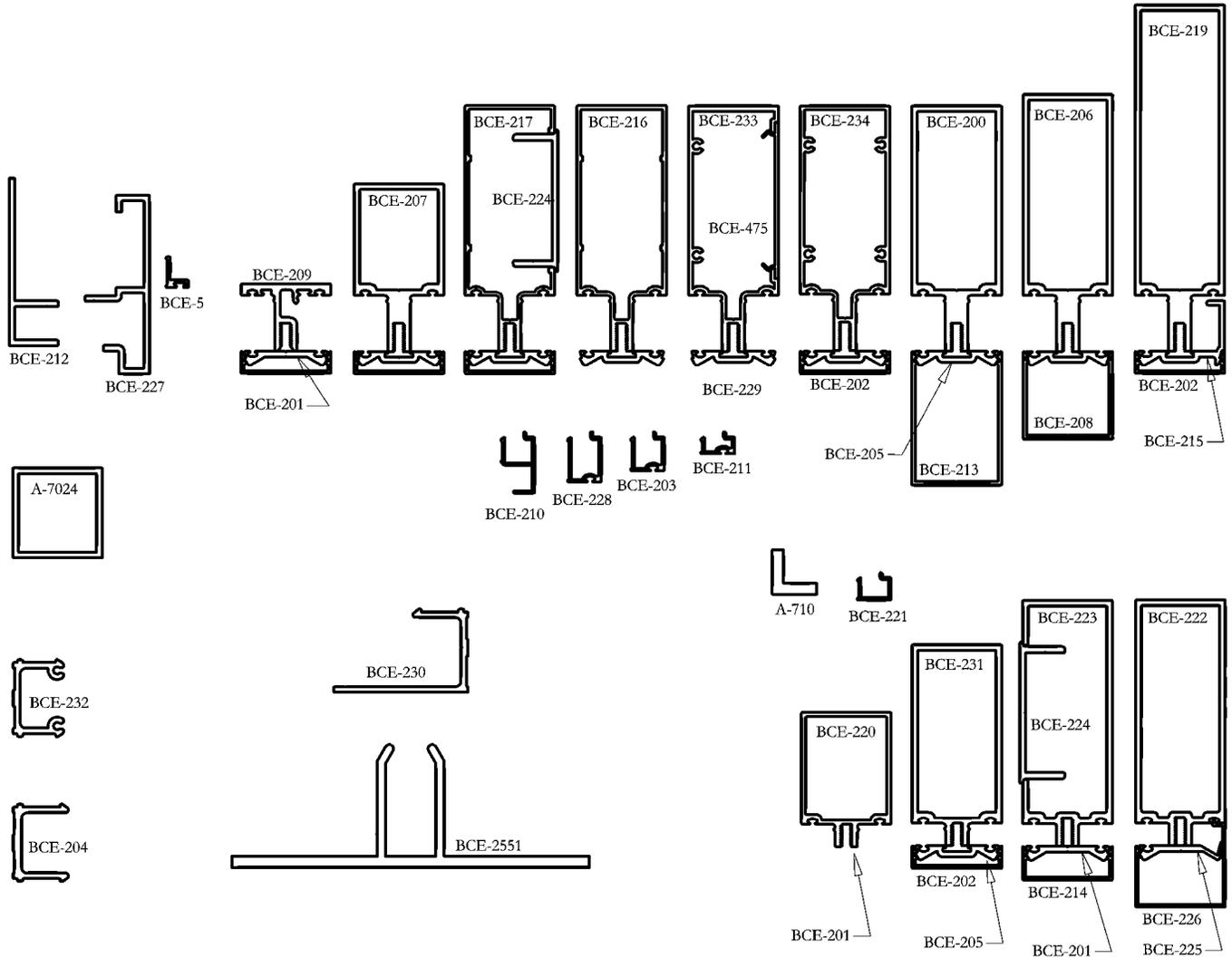


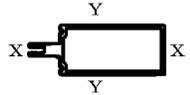
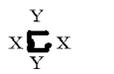
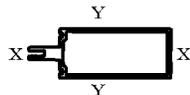
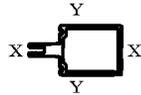
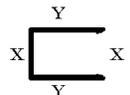
1/4 SIZE DETAILS

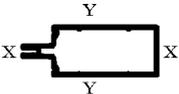
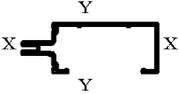
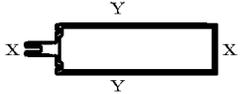
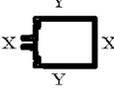
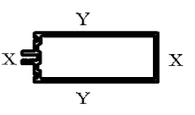
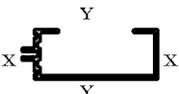
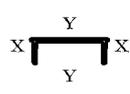
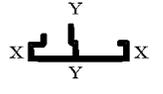
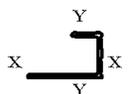


SEE PAGE #10 FOR GASKETS, SCREWS, AND OTHER INFORMATION

NO TEST DATA AVAILABLE
 TREDEGAR EXTRUSIONS INC. DOES NOT MAKE ANY WARRANTY EXPRESS OR IMPLIED INCLUDING
 NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND RESERVES
 THE RIGHT TO MAKE CHANGES
 REPRODUCTION RIGHTS RESERVED

PRICING FACTORS
2" PRESSURE SYSTEM
BCE-200 SERIES

WEIGHT PER FT	EST PER	FACTOR	CAVITY AREA	PART NUMBER	STRUCTURAL VALUES			1/8 SIZE DETAILS
					X-X	Y-Y	I S	
2.450	17.645	12	N/A	BCE200	1.080	6.224	I S	
0.340	5.004	15	N/A	BCE201	0.002	0.095	I S	
0.218	5.973	27	N/A	BCE202	0.003	0.095	I S	
0.168	5.255	31	N/A	BCE203	0.011	0.010	I S	
0.673	7.906	12	N/A	BCE204	0.079	0.218	I S	
0.377	5.636	15	N/A	BCE205	0.002	0.099	I S	
2.525	18.144	12	N/A	BCE206	1.135	7.051	I S	
1.925	14.144	11	N/A	BCE207	0.694	2.090	I S	
0.541	11.779	22	N/A	BCE208	0.185	0.324	I S	
0.811	11.284	14	N/A	BCE209	0.149	0.142	I S	
0.196	6.460	33	N/A	BCE210	0.012	0.026	I S	
0.122	3.755	31	N/A	BCE211	0.002	0.007	I S	
0.852	11.579	14	N/A	BCE212	0.067	0.896	I S	
0.733	15.931	22	N/A	BCE213	0.472	0.580	I S	
0.256	6.964	27	N/A	BCE214	0.010	0.125	I S	

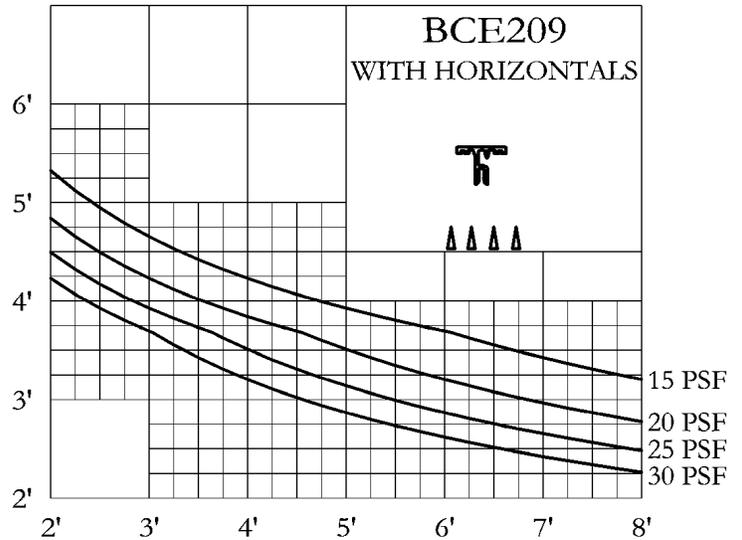
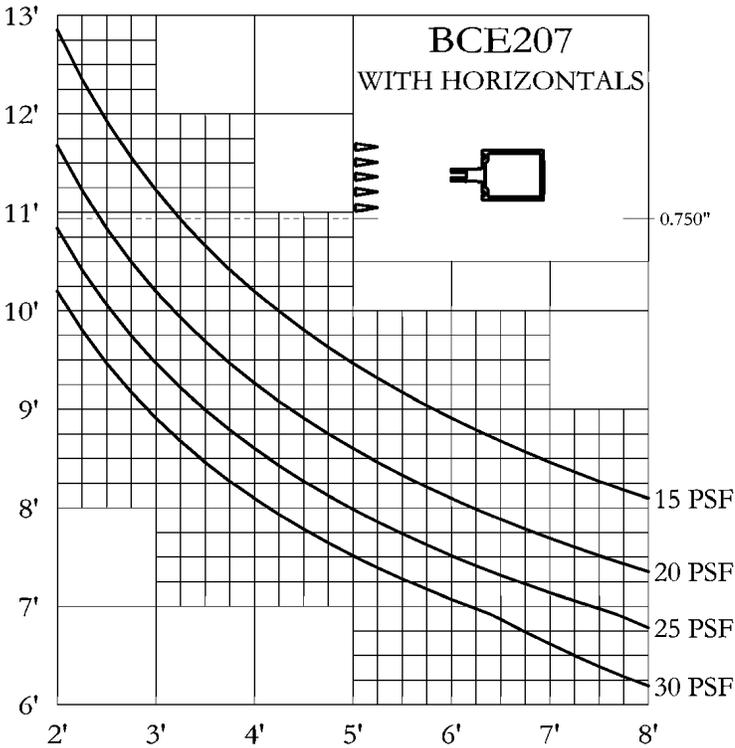
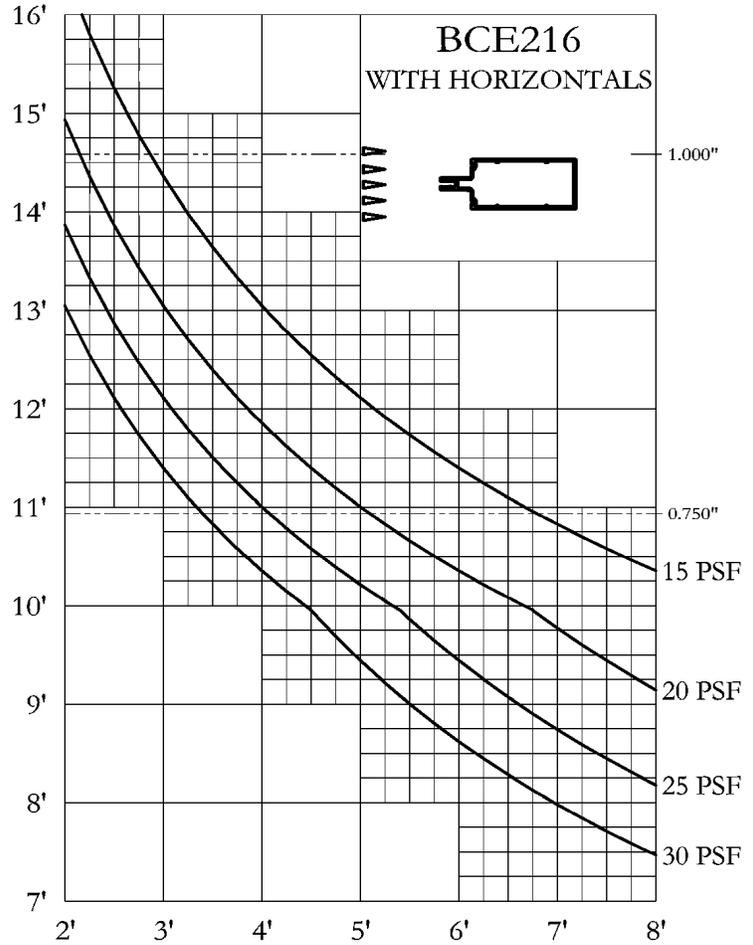
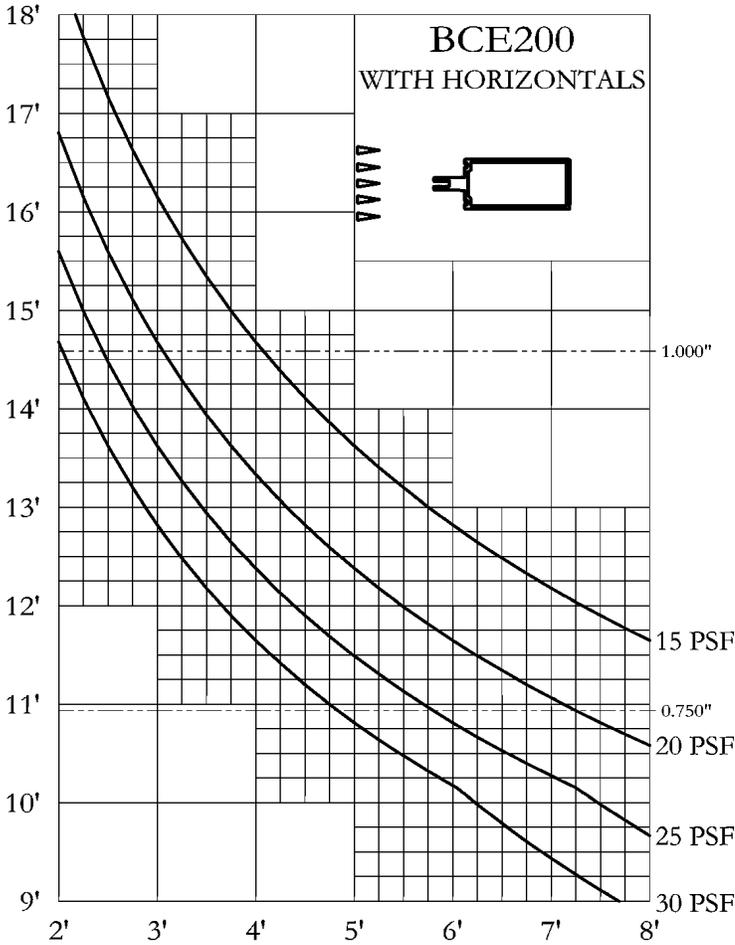
WEIGHT PER FT	EST PER	FACTOR	CAVITY AREA	PART NUMBER	STRUCTURAL VALUES			1/8 SIZE DETAILS
					X-X	I	Y-Y	
0.541	8.289	15	N/A	BCE215	0.082	I	0.182	
					0.082	S	0.150	
1.634	17.643	19	N/A	BCE216	0.793	I	4.371	
					0.793	S	1.584	
1.248	25.006	20	N/A	BCE217	0.476	I	3.841	
					0.391	S	1.308	
3.121	22.141	12	N/A	BCE219	1.575	I	16.138	
					1.575	S	4.016	
1.196	12.221	17	N/A	BCE220	0.548	I	1.039	
					0.548	S	0.689	
0.119	3.932	33	N/A	BCE221	0.004	I	0.008	
					0.010	S	0.020	
2.300	17.620	13	N/A	BCE222	1.240	I	6.533	
					1.240	S	2.329	
1.846	24.742	13	N/A	BCE223	0.825	I	6.200	
					0.671	S	2.153	
0.755	9.926	13	N/A	BCE224	0.053	I	0.793	
					0.071	S	0.502	
0.367	6.573	18	N/A	BCE225	0.011	I	0.121	
					0.018	S	0.119	
0.292	9.625	33	N/A	BCE226	0.052	I	0.168	
					0.056	S	0.168	
1.160	15.612	13	N/A	BCE227	0.123	I	1.563	
					0.113	S	0.731	
0.198	6.272	32	N/A	BCE228	0.014	I	0.021	
					0.034	S	0.030	
0.206	6.612	32	N/A	BCE229	0.006	I	0.101	
					0.013	S	0.101	
0.904	11.812	13	N/A	BCE230	0.385	I	0.590	
					0.324	S	0.282	

PRICING FACTORS
2" PRESSURE SYSTEM
BCE-200 SERIES



BONNELL
ALUMINUM

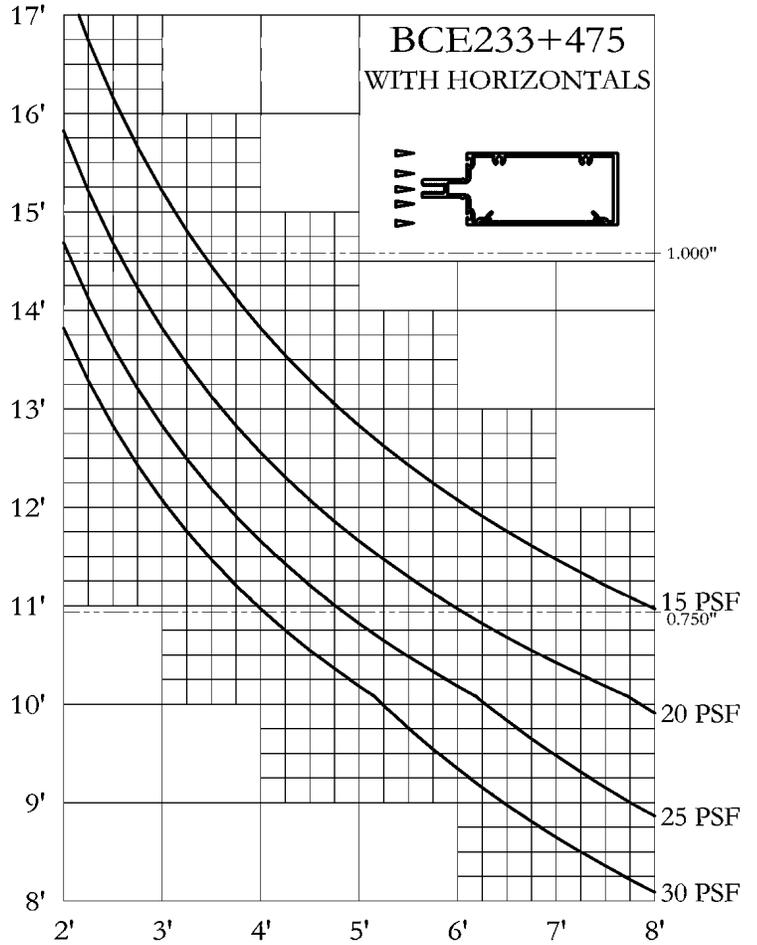
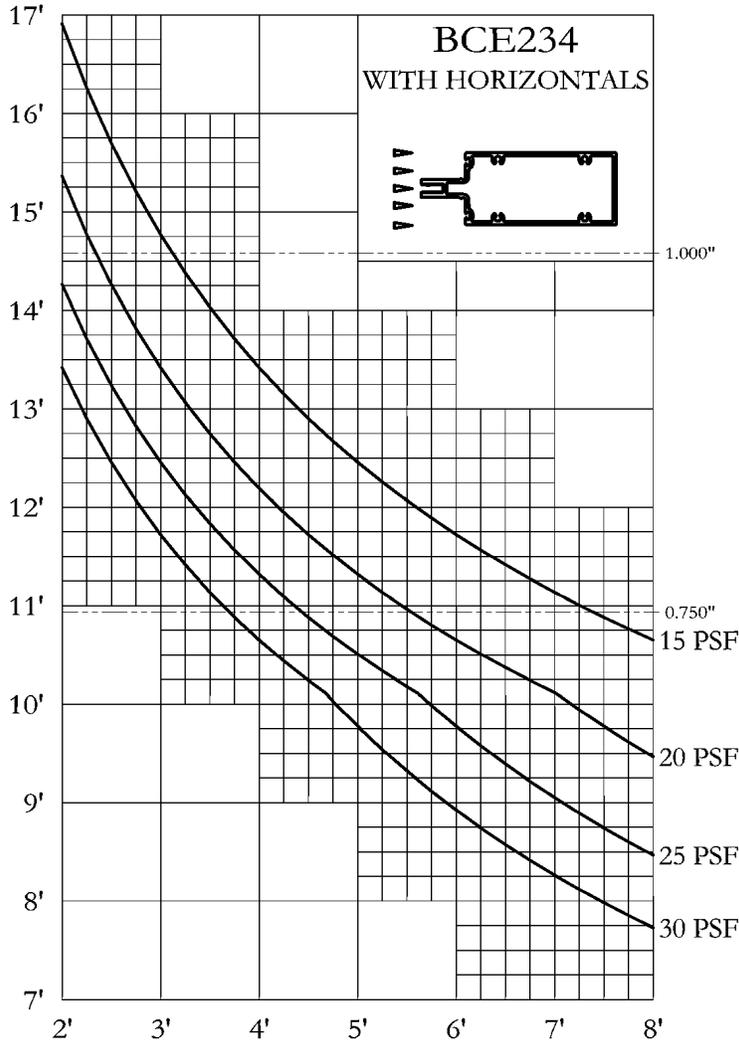
WEIGHT PER FT	EST PER	FACTOR	CAVITY AREA	PART NUMBER	STRUCTURAL VALUES			1/8 SIZE DETAILS
					X-X	I	Y-Y	
1.954	15.228	13	N/A	BCE231	1.017	I	3.741	
					1.017	S	1.661	
0.706	9.165	13	N/A	BCE232	0.085	I	0.224	
					0.129	S	0.261	
1.548	26.463	17	N/A	BCE233	0.562	I	4.841	
					0.450	S	1.733	
1.878	17.583	18	N/A	BCE234	0.919	I	4.760	
					0.919	S	1.698	
0.370	8.473	23	N/A	BCE475	0.001	I	0.356	
					0.003	S	0.204	
0.524	3.959	8	N/A	A710	0.037	I	0.037	
					0.056	S	0.056	
1.124	7.988	13	N/A	A7024	0.552	I	0.552	
					0.552	S	0.552	
3.450	26.537	7	N/A	BCE2551	1.740	I	11.059	
					0.799	S	2.765	
0.109	2.712	25	N/A	BCE5	0.002	I	0.004	
					0.006	S	0.009	



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

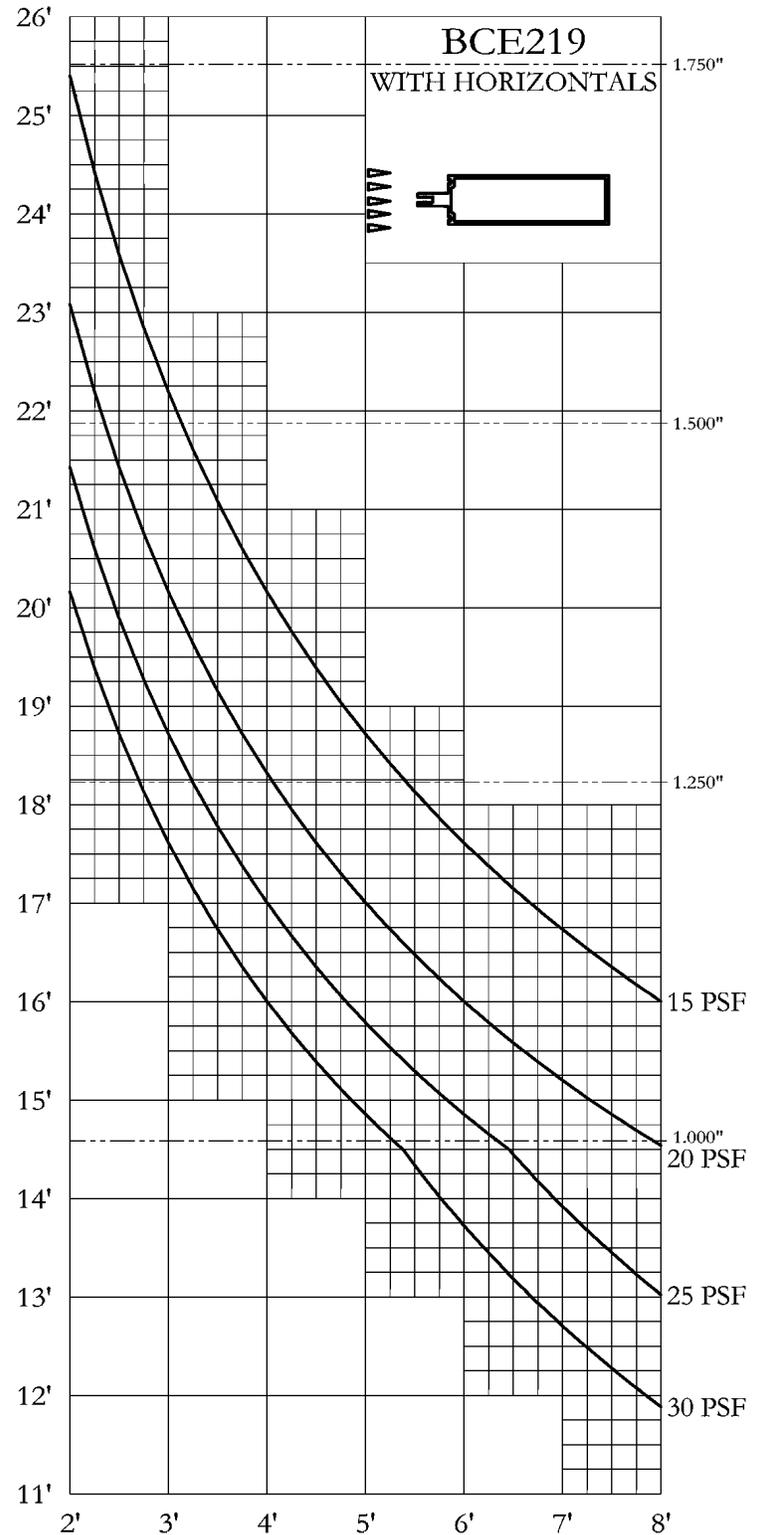
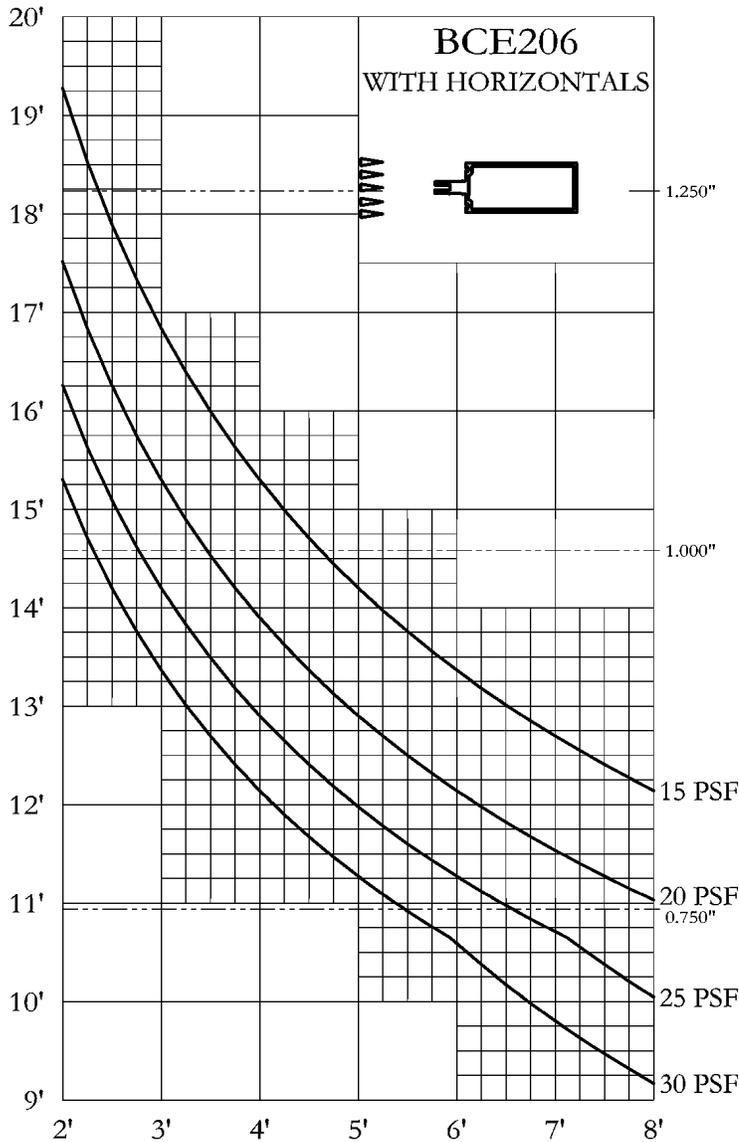
#2 THESE STRUCTURAL CURVES ARE ESTIMATES AND ARE PRESENTED TO THE BEST KNOWLEDGE OF THE WILLIAM L BONNELL CO. IT IS, HOWEVER, THE RESPONSIBILITY OF THE CUSTOMER TO BE SATISFIED THAT THE CURVES ARE CORRECT. THE WILLIAM L BONNELL CO. MAY NOT BE HELD RESPONSIBLE IN ANY WAY FOR THE FAILURE OF PERFORMANCE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

WINDLOAD CHARTS
2" PRESSURE SYSTEM
BCE-200 SERIES



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

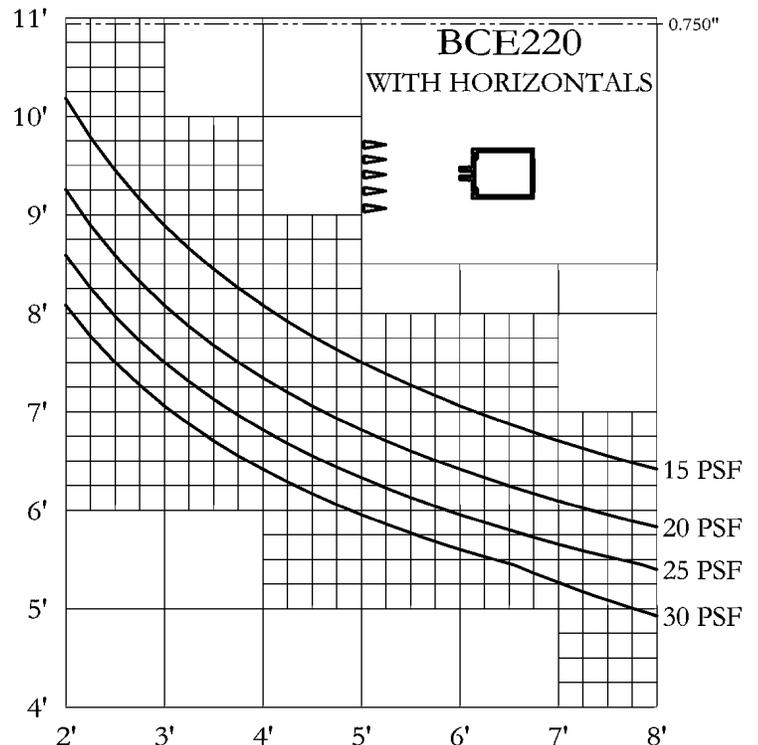
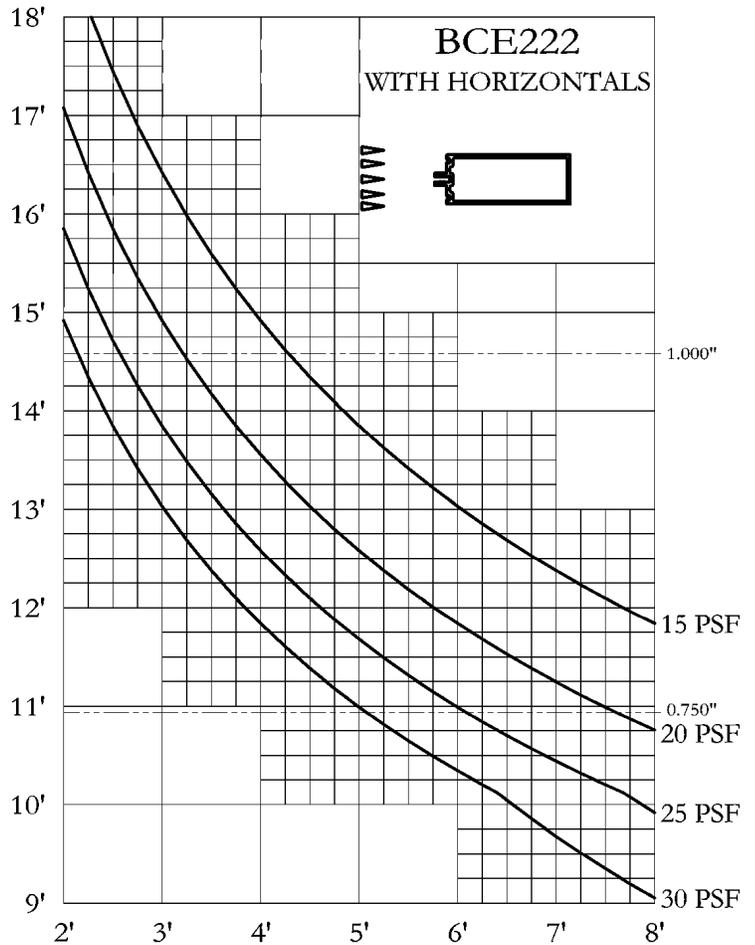
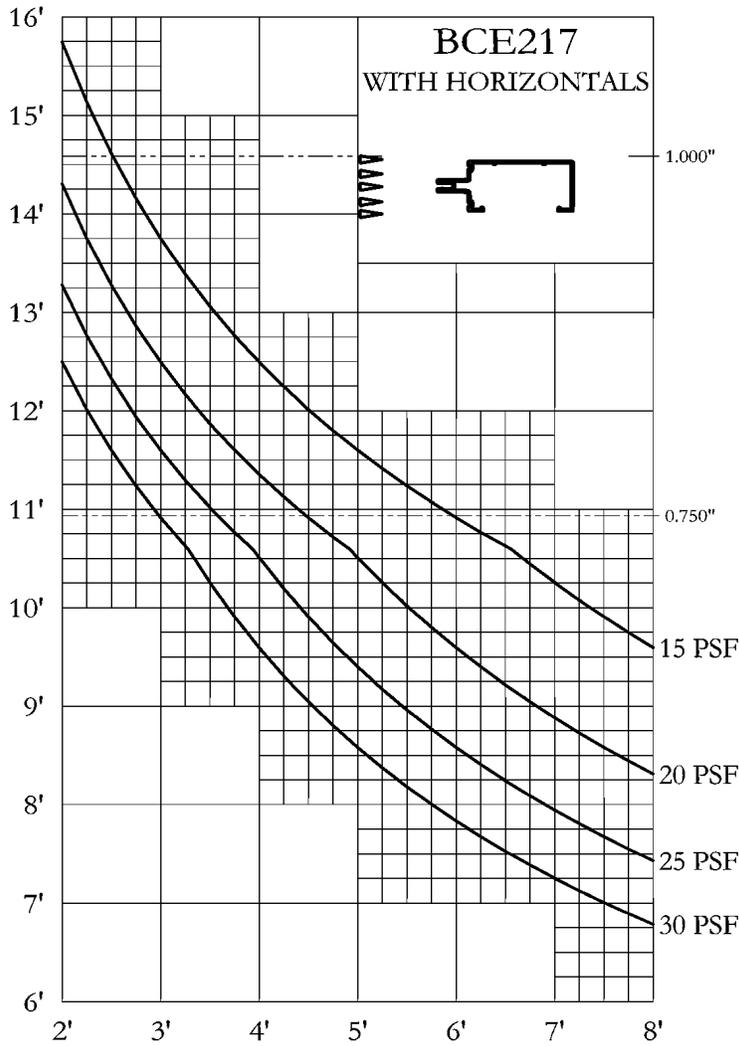
#2 THESE STRUCTURAL CURVES ARE ESTIMATES AND ARE PRESENTED TO THE BEST KNOWLEDGE OF THE WILLIAM L BONNELL CO. IT IS, HOWEVER, THE RESPONSIBILITY OF THE CUSTOMER TO BE SATISFIED THAT THE CURVES ARE CORRECT. THE WILLIAM L BONNELL CO. MAY NOT BE HELD RESPONSIBLE IN ANY WAY FOR THE FAILURE OF PERFORMANCE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



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

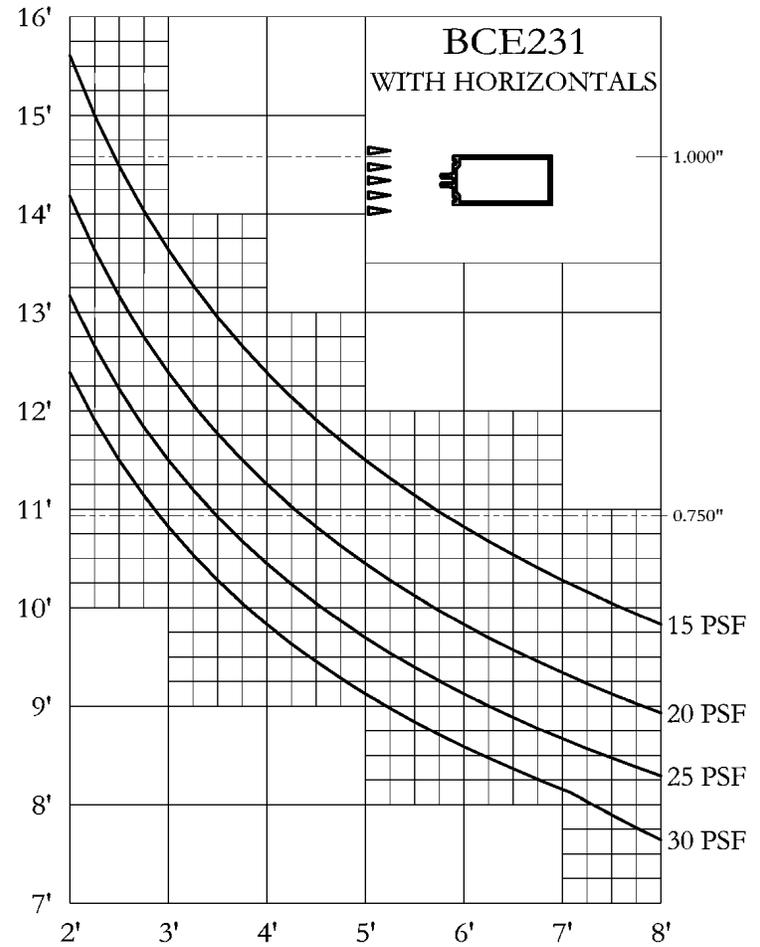
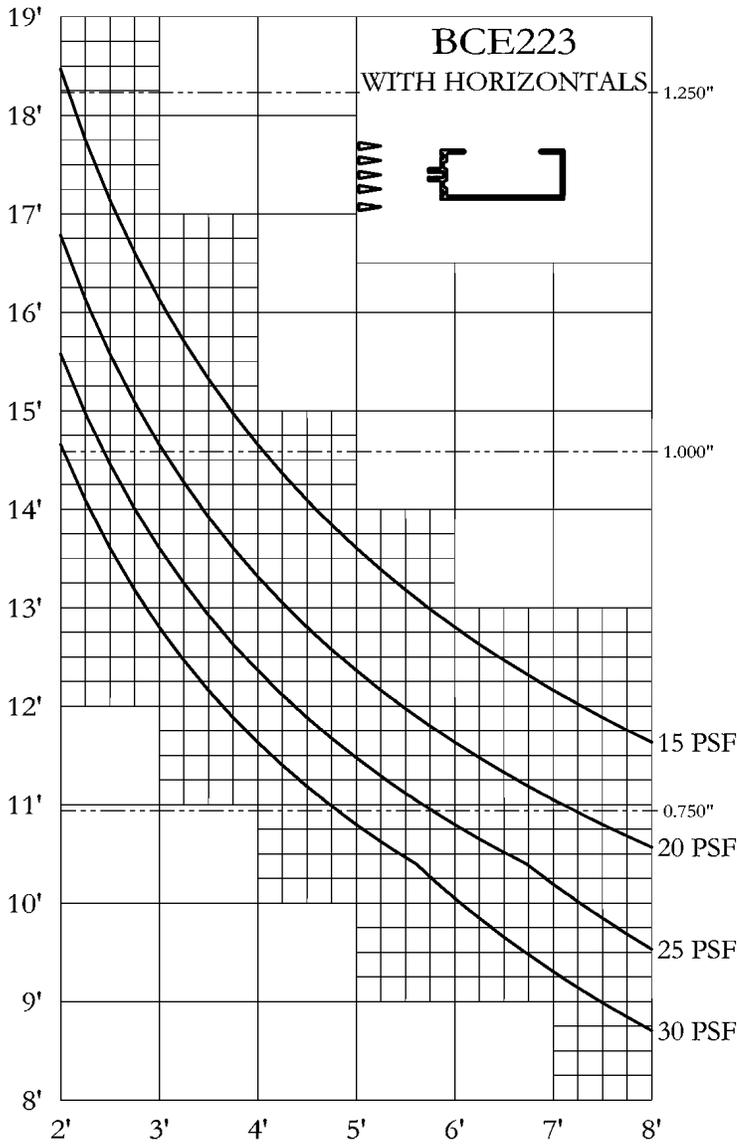
#2 THESE STRUCTURAL CURVES ARE ESTIMATES AND ARE PRESENTED TO THE BEST KNOWLEDGE OF THE WILLIAM L BONNELL CO. IT IS, HOWEVER, THE RESPONSIBILITY OF THE CUSTOMER TO BE SATISFIED THAT THE CURVES ARE CORRECT. THE WILLIAM L BONNELL CO. MAY NOT BE HELD RESPONSIBLE IN ANY WAY FOR THE FAILURE OF PERFORMANCE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

WINDLOAD CHARTS
2" PRESSURE SYSTEM
BCE-200 SERIES



#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.



#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.

FULL SIZE DETAILS

FASTENERS

1. SHEAR BLOCK ATTACHMENTS ARE INTENDED TO BE SECURED WITH #10 SCREWS
2. PRESSURE PLATE ATTACHMENTS ARE DESIGNED TO BE SECURED WITH 1/4"-20 MACHINE SCREWS, 9" ON CENTER.

SCREW LENGTHS DEPEND ON MULLION THREAD DEPTH PLUS PRESSURE PLATE THICKNESS.

<u>PRESSURE PLATE THICKNESS</u>		<u>MULLION THREAD DEPTH</u>	
BCE-201 & -225	=1/8"	BCE-200, -206, -207, -209, -216,	=5/8"
BCE-205	=1/4"	-217, -219, -222, & -223	=1/2"
		BCE-220 & -231	

3. ANCHOR BOLTS SHOULD BE SIZED ACCORDING TO LOAD REQUIREMENTS.

GASKETS

UNIVERSAL RUBBER CO. 800-253-8481	#2220	SPONGE INTERIOR AND EXTERIOR
REED RUBBER PRODUCTS 800-325-9698	#B-109	SPONGE INTERIOR AND EXTERIOR
TREMCO 800-321-6357	#TR-1819E #TR-1820N	EXTERIOR INTERIOR

THERMAL ISOLATOR

REBCO INC. 973-684-0200	#42-801	USED WITH BCE-205 & -215
REED RUBBER PRODUCTS 800-325-9698	#3999	USED WITH BCE-205 & -215

DOOR PILE

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

END DAMS FOR HORIZONTALS

WHEN THIS SYSTEM IS USED IN HIGH APPLICATIONS, END DAMS ARE BENEFICIAL TO FORCE INFILTRATED MOISTURE OUT THRU WEEP HOLES IN THE HORIZONTAL PRESSURE PLATES.

A SECOND POINT OF CONCERN INVOLVES CLOSING THE END OF THE GLASS SUPPORT TONGUE (SUCH AS ON BCE-216 & -217) THAT CREATES AN OPENING FROM THE GLASS POCKET TO THE INTERIOR PORTION OF THE HORIZONTAL TUBE CAVITY TO PREVENT INFILTRATED MOISTURE MIGRATING FROM THE GLASS POCKET INTO THE CAVITY.

CLOSED CELL SPONGE IS ORDERED BY SPECIFYING DIMENSIONS AND CAN BE ORDERED WITH OR WITHOUT ADHESIVE.

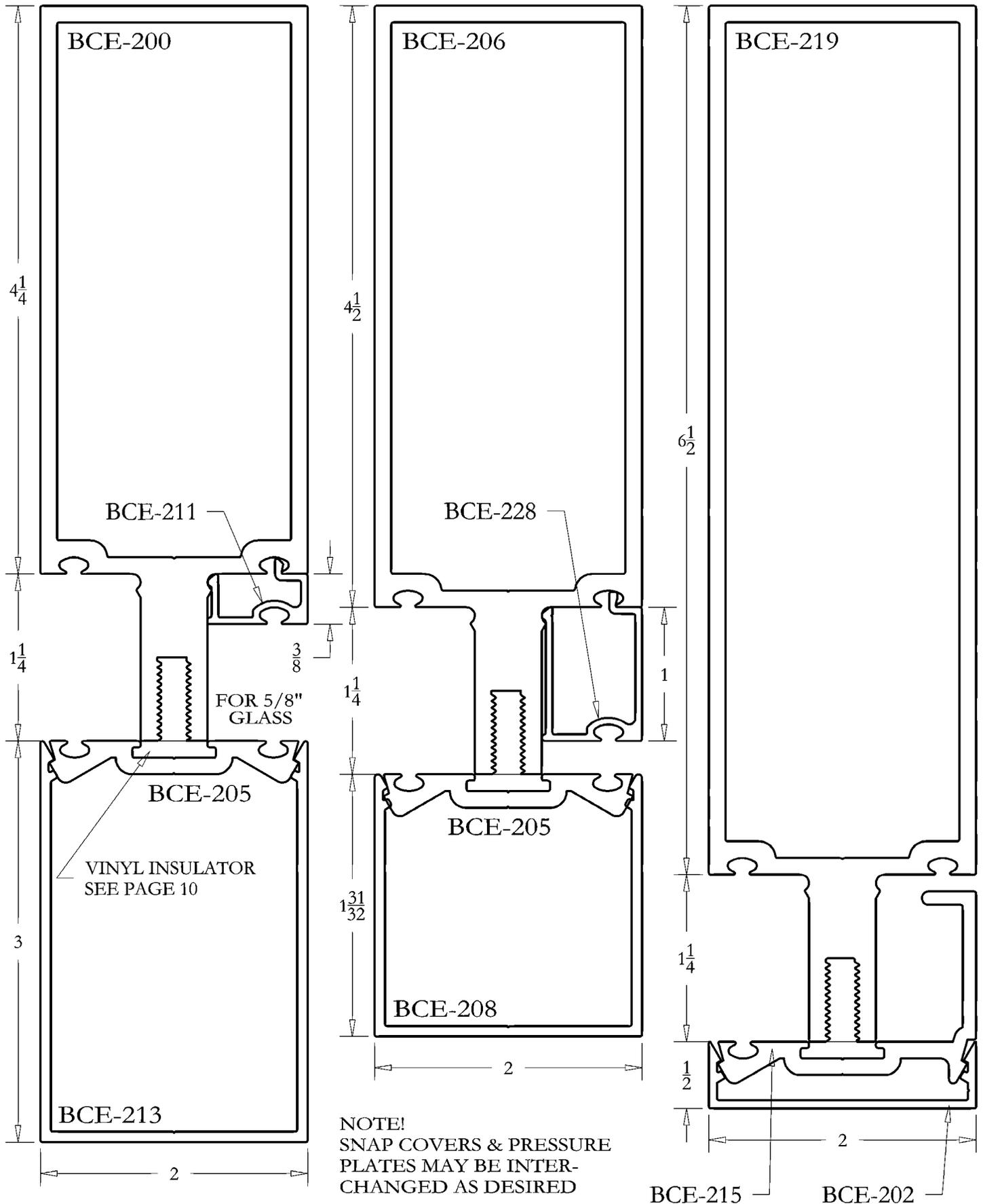
SEALING AROUND PLUGS TO CLOSE VOIDS MAY BE REQUIRED.

1.375 X .875 X .500 THK.	FOR 1" GLASS SYSTEM
.625 X .875 X .500 THK.	FOR 1/4" GLASS SYSTEM

SECON RUBBER AND PLASTICS MATL: NBR/PVC BLEND
618-282-7700

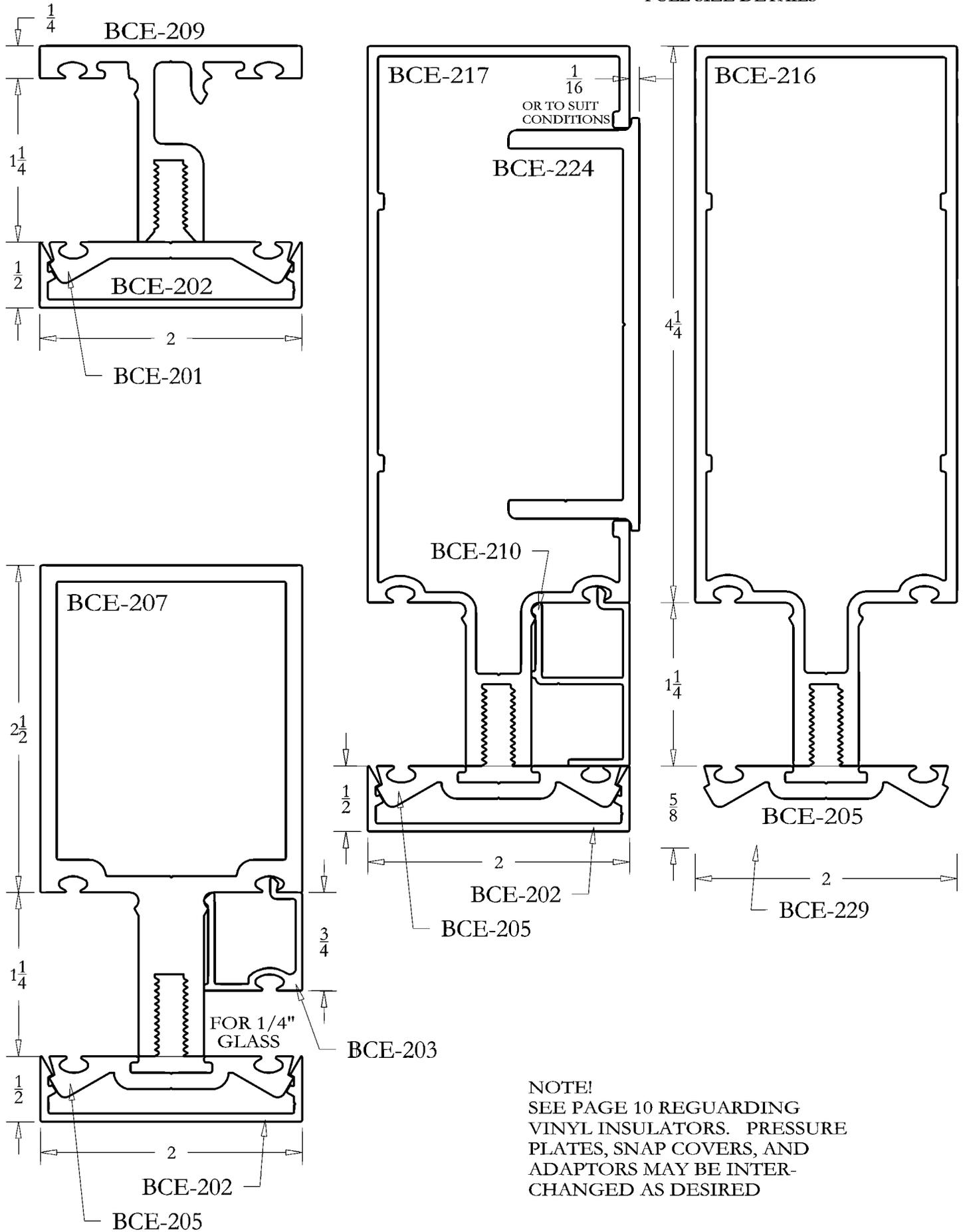


FULL SIZE DETAILS

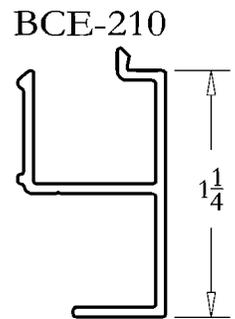
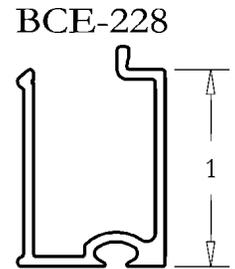
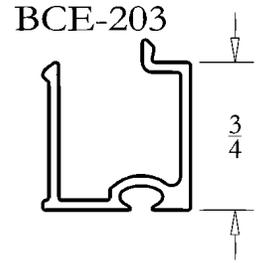
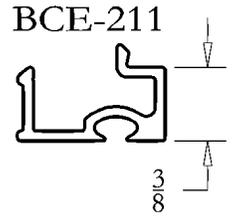
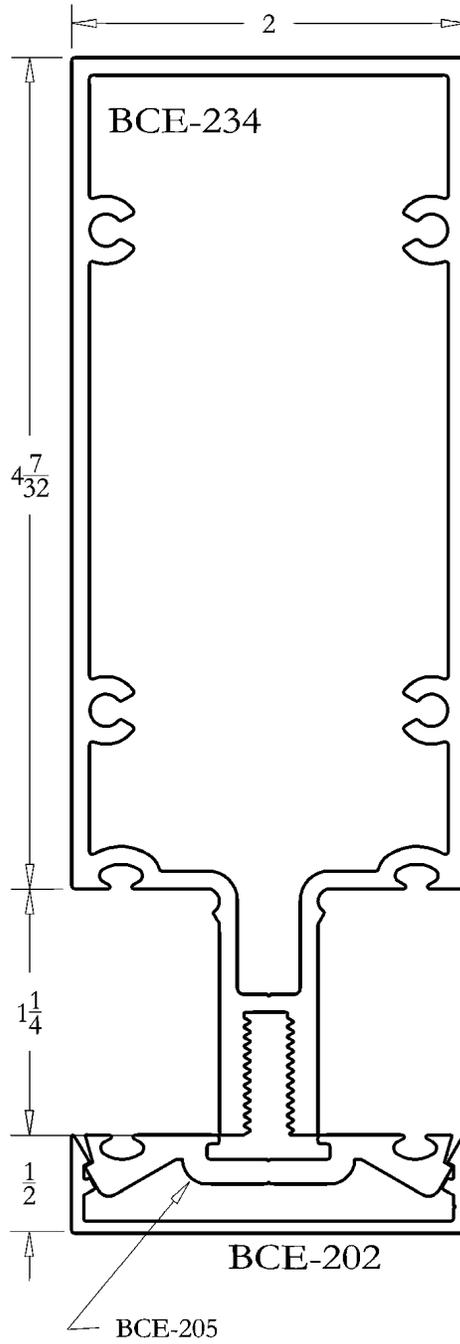
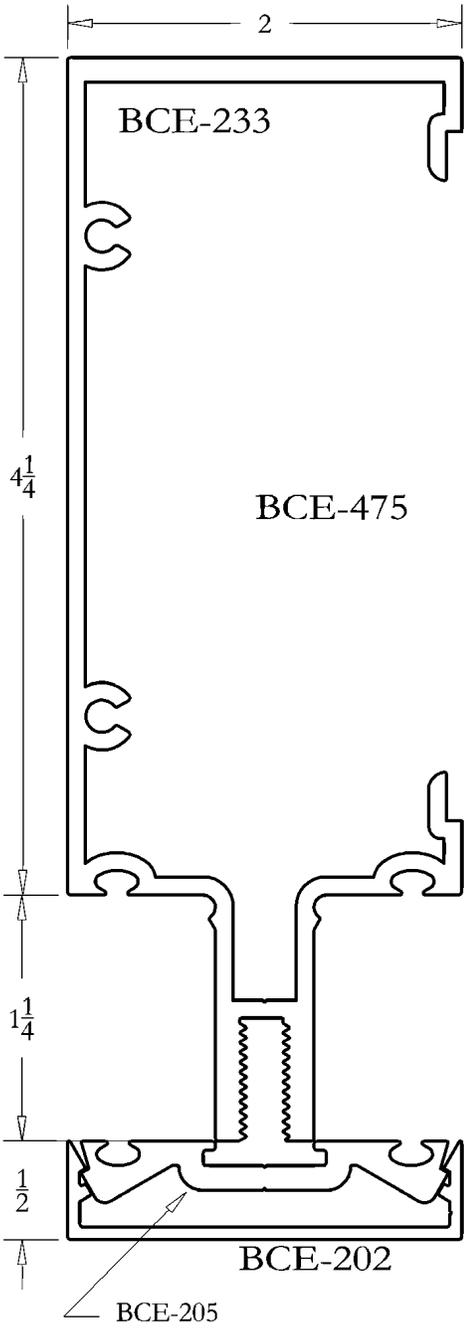


DETAIL SHEET
2" PRESSURE SYSTEM
BCE-200

FULL SIZE DETAILS

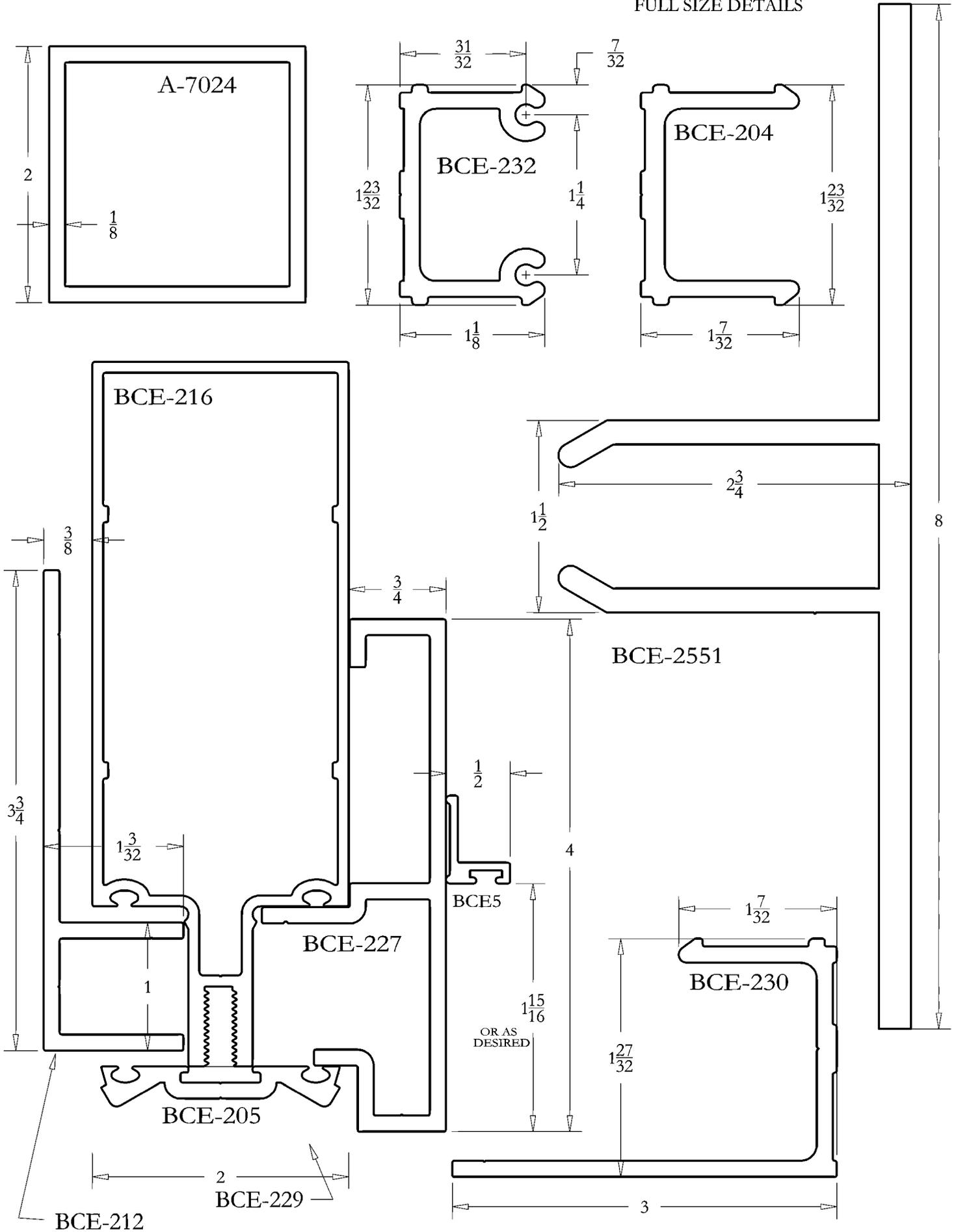


FULL SIZE DETAILS



DETAIL SHEET
2" PRESSURE SYSTEM
BCE-200

FULL SIZE DETAILS





FULL SIZE DETAILS

