DATE : 7/11/97

DESIGN PARAMETERS FOR EPS04.0-26/26

WIND LOAD DESIGN

COMPOSITE I = 1.7180

COMPOSITE FACIA S = .8590

COMPOSITE LINER S = .8590

CORE AREA = 48.000

SHEAR MODULUS OF CORE = 280.100

NON-COMPOSITE I = .0000

NON-COMPOSITE FACIA S = .0000

MODULUS OF SKINS = 29000000.

ALLOWABLE FACIA STRESS = 8453.

ALLOWABLE LINER STRESS = 8453.

ALLOWABLE CORE SHEAR STRESS = 3.38

BENDING SAFETY FACTOR = 1.8750

SHEAR SAFETY FACTOR = 3.0000

DATE : 7/11/97

ALLOWABLE SPAN TABLE OF EPS04.0-26/26

WIND LOAD DESIGN

W	15.		20.		25.		30.		35.		40.	
SPANS	L/240.	STR.	L/240.	STR.	L/240.	STR.	L/240.	STR.	L/240.	STR.	L/240.	STR.
1	15.32	17.96	13.17	15.56	11.60	12.96	10.39	10.80	9.42	9.26	8.62	8.10
2	17.89	17.97	14.93	13.76	12.85	11.22	11.29	9.52	10.08	8.28	9.10	7.34
3	17.55	18.26	14.80	13.82	12.83	11.17	11.33	9.41	10.14	8.15	9.18	7.20

W	15.		20.		25.		30.		35.		40.	
SPANS	L/180.	STR.	L/180.	STR.	L/180.	STR.	L/180.	STR.	L/180.	STR.	L/180.	STR.
1	17.64	17.96	15.32	15.56	13.64	12.96	12.33	10.80	11.27	9.26	10.39	8.10
2	21.15	17.97	17.89	13.76	15.57	11.22	13.81	9.52	12.42	8.28	11.29	7.34
3	20.52	18.26	17.55	13.82	15.40	11.17	13.74	9.41	12.42	8.15	11.33	7.20

W	15.		20.		25.		30.		35.		40.	
SPANS	L/120.	STR.	L/120.	STR.	L/120.	STR.	L/120.	STR.	L/120.	STR.	L/120.	STR.
1	21.20	17.96	18.63	15.56	16.77	12.96	15.32	10.80	14.15	9.26	13.17	8.10
2	26.20	17.97	22.56	13.76	19.92	11.22	17.89	9.52	16.27	8.28	14.93	7.34
3	25.09	18.26	21.80	13.82	19.40	11.17	17.55	9.41	16.05	8.15	14.80	7.20

NOTES :

1. W = DESIGN LOAD IN PSF.
2. THE ALLOWABLE SPANS SHOWN IN THE ABOVE TABLE ARE IN FEET.
3. THE VALUE UNDER THE COLUMN HEAD OF STR. IS GOVERNED BY THE PANEL STRENGTH INCLUDING BENDING & SHEAR

DATE : 7/11/97

LOAD-SPAN TABLE OF EPS04.0-26/26

WIND LOAD DESIGN

SIMPLE SPAN DESIGN

SPAN (FT)	ALLOWABLE LOAD IN POUNDS PER SQUARE FOOT FACIA	LINER	SHEAR	L/240	L/180	L/120	REACTION/U. LOAD END	INTERMED.
5.00	193.6	193.6	64.8	81.4	108.5	162.8	2.500	5.000
5.50	160.0	160.0	58.9	72.6	96.8	145.2	2.750	5.500
6.00	134.5	134.5	54.0	65.2	86.9	130.4	3.000	6.000
6.50	114.6	114.6	49.8	58.9	78.5	117.8	3.250	6.500
7.00	98.8	98.8	46.3	53.4	71.2	106.9	3.500	7.000
7.50	86.1	86.1	43.2	48.7	64.9	97.3	3.750	7.500
8.00	75.6	75.6	40.5	44.5	59.3	89.0	4.000	8.000
8.50	67.0	67.0	38.1	40.8	54.4	81.6	4.250	8.500
9.00	59.8	59.8	36.0	37.5	50.0	75.0	4.500	9.000
9.50	53.6	53.6	34.1	34.6	46.1	69.1	4.750	9.500
10.00	48.4	48.4	32.4	31.9	42.5	63.8	5.000	10.000
10.50	43.9	43.9	30.9	29.5	39.3	59.0	5.250	10.500
11.00	40.0	40.0	29.5	27.3	36.5	54.7	5.500	11.000
11.50	36.6	36.6	28.2	25.4	33.8	50.8	5.750	11.500
12.00	33.6	33.6	27.0	23.6	31.5	47.2	6.000	12.000
12.50	31.0	31.0	25.9	22.0	29.3	43.9	6.250	12.500
13.00	28.6	28.6	24.9	20.5	27.3	40.9	6.500	13.000
13.50	26.6	26.6	24.0	19.1	25.5	38.2	6.750	13.500
14.00	24.7	24.7	23.1	17.8	23.8	35.7	7.000	14.000
14.50	23.0	23.0	22.3	16.7	22.3	33.4	7.250	14.500
15.00	21.5	21.5	21.6	15.6	20.8	31.3	7.500	15.000

DATE : 7/11/97

LOAD-SPAN TABLE OF EPS04.0-26/26

WIND LOAD DESIGN

DOUBLE SPAN DESIGN

SPAN (FT)	ALLOWABLE LOAD IN POUNDS PER SQUARE FOOT FACIA	LINER	SHEAR	L/240	L/180	L/120	REACTION/U. LOAD END	INTERMED.
5.00	220.6	220.6	61.1	82.5	110.0	165.0	2.347	5.306
5.50	186.2	186.2	55.0	74.0	98.6	147.9	2.556	5.887
6.00	159.9	159.9	50.0	66.8	89.1	133.6	2.761	6.477
6.50	139.2	139.2	45.8	60.8	81.0	121.5	2.963	7.075
7.00	122.6	122.6	42.2	55.6	74.1	111.1	3.160	7.679
7.50	109.0	109.0	39.1	51.1	68.1	102.1	3.355	8.290
8.00	97.8	97.8	36.4	47.1	62.8	94.3	3.547	8.907
8.50	88.4	88.4	34.0	43.7	58.2	87.3	3.736	9.527
9.00	80.3	80.3	31.9	40.6	54.1	81.2	3.924	10.152
9.50	73.4	73.4	30.1	37.8	50.4	75.7	4.110	10.780
10.00	67.4	67.4	28.4	35.4	47.1	70.7	4.295	11.411
10.50	62.2	62.2	26.9	33.1	44.2	66.2	4.478	12.044
11.00	57.6	57.6	25.6	31.1	41.5	62.2	4.661	12.679
11.50	53.5	53.5	24.3	29.2	39.0	58.5	4.842	13.315
12.00	49.8	49.8	23.2	27.6	36.7	55.1	5.024	13.953
12.50	46.3	46.3	22.2	26.0	34.7	52.0	5.204	14.592
13.00	41.7	41.7	21.3	24.6	32.8	49.2	5.385	15.231
13.50	37.8	37.8	20.4	23.3	31.0	46.5	5.565	15.871
14.00	34.4	34.4	19.6	22.0	29.4	44.1	5.745	16.511
14.50	31.5	31.5	18.9	20.9	27.9	41.8	5.924	17.151
15.00	28.9	28.9	18.2	19.9	26.5	39.7	6.104	17.792

DATE : 7/11/97

LOAD-SPAN TABLE OF EPS04.0-26/26

WIND LOAD DESIGN

THREE SPAN DESIGN

SPAN (FT)	ALLOWABLE LOAD IN POUNDS PER SQUARE FOOT FACIA	LINER	SHEAR	L/240	L/180	L/120	REACTION/U. LOAD END	INTERMED.
5.00	235.8	235.8	59.5	83.0	110.7	166.1	2.276	5.224
5.50	199.5	199.5	53.6	74.5	99.4	149.1	2.478	5.772
6.00	171.4	171.4	48.8	67.4	89.9	134.8	2.677	6.323
6.50	149.0	149.0	44.7	61.4	81.8	122.7	2.874	6.876
7.00	130.9	130.9	41.2	56.2	74.9	112.3	3.071	7.429
7.50	116.0	116.0	38.3	51.6	68.9	103.3	3.266	7.984
8.00	103.6	103.6	35.7	47.7	63.6	95.3	3.460	8.540
8.50	93.1	93.1	33.4	44.2	58.9	88.3	3.655	9.095
9.00	84.1	84.1	31.4	41.0	54.7	82.0	3.848	9.652
9.50	76.4	76.4	29.7	38.2	50.9	76.4	4.042	10.208
10.00	69.7	69.7	28.1	35.7	47.6	71.3	4.236	10.764
10.50	63.9	63.9	26.7	33.4	44.5	66.7	4.430	11.320
11.00	58.7	58.7	25.4	31.3	41.7	62.6	4.624	11.876
11.50	54.2	54.2	24.2	29.4	39.2	58.7	4.818	12.432
12.00	50.1	50.1	23.2	27.6	36.8	55.2	5.012	12.988
12.50	46.4	46.4	22.2	26.0	34.7	52.0	5.206	13.544
13.00	42.3	42.3	21.3	24.5	32.7	49.0	5.401	14.099
13.50	38.8	38.8	20.5	23.1	30.8	46.3	5.596	14.654
14.00	35.7	35.7	19.7	21.9	29.1	43.7	5.791	15.209
14.50	33.0	33.0	19.0	20.7	27.6	41.4	5.986	15.764
15.00	30.6	30.6	18.4	19.6	26.1	39.1	6.181	16.319

DATE : 7/11/97

DESIGN PARAMETERS FOR EPS06.0-26/26

WIND LOAD DESIGN

COMPOSITE I = 3.8660

COMPOSITE FACIA S = 1.2890

COMPOSITE LINER S = 1.2890

CORE AREA = 72.000

SHEAR MODULUS OF CORE = 280.100

NON-COMPOSITE I = .0000

NON-COMPOSITE FACIA S = .0000

MODULUS OF SKINS = 29000000.

ALLOWABLE FACIA STRESS = 8453.

ALLOWABLE LINER STRESS = 8453.

ALLOWABLE CORE SHEAR STRESS = 2.25

BENDING SAFETY FACTOR = 1.8750

SHEAR SAFETY FACTOR = 3.0000

DATE : 7/11/97

ALLOWABLE SPAN TABLE OF EPS06.0-26/26

WIND LOAD DESIGN

W	15.		20.		25.		30.		35.		40.	
SPANS	L/240.	STR.	L/240.	STR.	L/240.	STR.	L/240.	STR.	L/240.	STR.	L/240.	STR.
1	20.74	21.60	17.97	16.20	15.95	12.96	14.38	10.80	13.12	9.26	12.07	8.10
2	24.69	18.22	20.81	14.00	18.05	11.44	15.96	9.71	14.32	8.45	12.99	7.49
3	24.02	18.37	20.47	13.95	17.90	11.30	15.93	9.54	14.35	8.27	13.06	7.32

W	15.		20.		25.		30.		35.		40.	
SPANS	L/180.	STR.	L/180.	STR.	L/180.	STR.	L/180.	STR.	L/180.	STR.	L/180.	STR.
1	23.72	21.60	20.74	16.20	18.57	12.96	16.89	10.80	15.52	9.26	14.38	8.10
2	28.91	18.22	24.69	14.00	21.65	11.44	19.32	9.71	17.47	8.45	15.96	7.49
3	27.85	18.37	24.02	13.95	21.24	11.30	19.09	9.54	17.36	8.27	15.93	7.32

W	15.		20.		25.		30.		35.		40.	
SPANS	L/120.	STR.	L/120.	STR.	L/120.	STR.	L/120.	STR.	L/120.	STR.	L/120.	STR.
1	28.32	21.60	25.01	16.20	22.61	12.96	20.74	10.80	19.23	9.26	17.97	8.10
2	35.45	18.22	30.74	14.00	27.32	11.44	24.69	9.71	22.57	8.45	20.81	7.49
3	33.75	18.37	29.50	13.95	26.42	11.30	24.02	9.54	22.09	8.27	20.47	7.32

NOTES :

1. W = DESIGN LOAD IN PSF.
2. THE ALLOWABLE SPANS SHOWN IN THE ABOVE TABLE ARE IN FEET.
3. THE VALUE UNDER THE COLUMN HEAD OF STR. IS GOVERNED BY THE PANEL STRENGTH INCLUDING BENDING & SHEAR

PFF Precision Foam Fabricators

DATE : 7/11/97

LOAD-SPAN TABLE OF EPS06.0-26/26

WIND LOAD DESIGN

SIMPLE SPAN DESIGN

SPAN (FT)	ALLOWABLE LOAD IN POUNDS PER SQUARE FOOT FACIA	LINER	SHEAR	L/240	L/180	L/120	REACTION/U. LOAD END	INTERMED.
5.00	290.6	290.6	64.8	126.0	167.9	251.9	2.500	5.000
5.50	240.1	240.1	58.9	113.0	150.7	226.0	2.750	5.500
6.00	201.8	201.8	54.0	102.1	136.2	204.2	3.000	6.000
6.50	171.9	171.9	49.8	92.8	123.8	185.7	3.250	6.500
7.00	148.2	148.2	46.3	84.8	113.1	169.6	3.500	7.000
7.50	129.1	129.1	43.2	77.8	103.8	155.6	3.750	7.500
8.00	113.5	113.5	40.5	71.7	95.5	143.3	4.000	8.000
8.50	100.5	100.5	38.1	66.2	88.2	132.4	4.250	8.500
9.00	89.7	89.7	36.0	61.3	81.7	122.6	4.500	9.000
9.50	80.5	80.5	34.1	56.9	75.9	113.8	4.750	9.500
10.00	72.6	72.6	32.4	52.9	70.6	105.9	5.000	10.000
10.50	65.9	65.9	30.9	49.3	65.8	98.7	5.250	10.500
11.00	60.0	60.0	29.5	46.1	61.4	92.1	5.500	11.000
11.50	54.9	54.9	28.2	43.1	57.4	86.2	5.750	11.500
12.00	50.4	50.4	27.0	40.3	53.8	80.7	6.000	12.000
12.50	46.5	46.5	25.9	37.8	50.4	75.7	6.250	12.500
13.00	43.0	43.0	24.9	35.5	47.4	71.0	6.500	13.000
13.50	39.9	39.9	24.0	33.4	44.5	66.8	6,750	13.500
14.00	37.1	37.1	23.1	31.4	41.9	62.8	7.000	14.000
14.50	34.6	34.6	22.3	29.6	39.4	59.2	7.250	14.500
15.00	32.3	32.3	21.6	27.9	37.2	55.8	7.500	15.000

DATE : 7/11/97

LOAD-SPAN TABLE OF EPS06.0-26/26

WIND LOAD DESIGN

DOUBLE SPAN DESIGN

SPAN (FT)	ALLOWABLE LOAD IN POUNDS PER SQUARE FOOT FACIA	LINER	SHEAR	L/240	L/180	L/120	REACTION/U. LOAD END	INTERMED.
5.00	318.9	318.9	62.0	126.8	169.1	253.6	2.389	5.222
5.50	267.9	267.9	56.0	114.1	152.1	228.1	2.608	5.785
6.00	228.9	228.9	51.0	103.4	137.9	206.8	2.822	6.356
6.50	198.5	198.5	46.7	94.4	125.8	188.8	3.033	6.934
7.00	174.1	174.1	43.1	86.6	115.5	173.2	3.240	7.520
7.50	154.4	154.4	39.9	79.9	106.5	159.8	3.444	8.113
8.00	138.1	138.1	37.2	74.0	98.6	148.0	3.644	8.712
8.50	124.4	124.4	34.8	68.8	91.7	137.5	3.842	9.316
9.00	112.9	112.9	32.6	64.1	85.5	128.3	4.037	9.926
9.50	103.1	103.1	30.7	60.0	80.0	120.0	4.230	10.540
10.00	94.5	94.5	29.0	56.3	75.0	112.5	4.421	11.158
10.50	87.1	87.1	27.5	52.9	70.5	105.8	4.610	11.780
11.00	80.6	80.6	26.1	49.8	66.4	99.7	4.797	12.405
11.50	74.9	74.9	24.9	47.0	62.7	94.1	4.984	13.033
12.00	69.8	69.8	23.7	44.5	59.3	89.0	5.169	13.663
12.50	65.2	65.2	22.7	42.1	56.2	84.3	5.353	14.295
13.00	61.1	61.1	21.7	40.0	53.3	79.9	5.536	14.928
13.50	57.4	57.4	20.8	38.0	50.6	75.9	5.718	15.564
14.00	54.0	54.0	20.0	36.1	48.2	72.2	5.900	16.200
14.50	51.0	51.0	19.2	34.4	45.9	68.8	6.081	16.837
15.00	48.2	48.2	18.5	32.8	43.7	65.6	6.262	17.476

DATE : 7/11/97

LOAD-SPAN TABLE OF EPS06.0-26/26

WIND LOAD DESIGN

THREE SPAN DESIGN

SPAN (FT)	ALLOWABLE LOAD IN POUNDS PER SQUARE FOOT FACIA	LINER	SHEAR	L/240	L/180	L/120	REACTION/U. LOAD END	INTERMED.
5.00	337.9	337.9	60.6	127.3	169.7	254.6	2.325	5.175
5.50	285.2	285.2	54.6	114.6	152.9	229.3	2.533	5.717
6.00	244.6	244.6	49.7	104.1	138.7	208.1	2.738	6.262
6.50	212.5	212.5	45.5	95.1	126.8	190.1	2.940	6.810
7.00	186.6	186.6	42.0	87.3	116.4	174.7	3.140	7.360
7.50	165.4	165.4	38.9	80.6	107.5	161.2	3.339	7.911
8.00	147.8	147.8	36.3	74.7	99.6	149.4	3.536	8.464
8.50	132.9	132.9	34.0	69.5	92.7	139.0	3.732	9.018
9.00	120.3	120.3	31.9	64.8	86.5	129.7	3.927	9.573
9.50	109.4	109.4	30.1	60.7	80.9	121.3	4.122	10.128
10.00	100.0	100.0	28.5	56.9	75.9	113.8	4.317	10.683
10.50	91.7	91.7	27.0	53.5	71.3	107.0	4.511	11.239
11.00	84.5	84.5	25.7	50.4	67.2	100.7	4.705	11.795
11.50	78.0	78.0	24.5	47.5	63.4	95.1	4.898	12.352
12.00	72.3	72.3	23.5	44.9	59.9	89.8	5.092	12.908
12.50	67.2	67.2	22.5	42.5	56.7	85.0	5.286	13.464
13.00	62.7	62.7	21.5	40.3	53.7	80.5	5.480	14.020
13.50	58.5	58.5	20.7	38.2	50.9	76.4	5.674	14.576
14.00	54.8	54.8	19.9	36.3	48.4	72.6	5.868	15.132
14.50	51.4	51.4	19.2	34.5	46.0	69.0	6.062	15.688
15.00	48.3	48.3	18.5	32.8	43.8	65.6	6.256	16.244