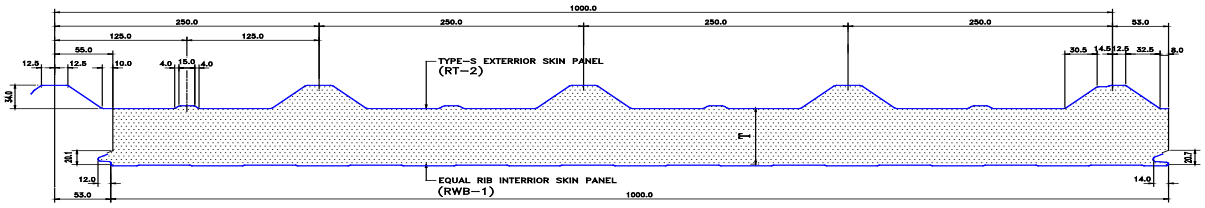
BCOMS
BUILDING COMPONENT SOLUTIONS

TEMPCON "TCSQ" INSULATED ALUMINUM PANEL
(Nominal Thickness T=75 mm)



Section Properties

Skin Thickness (mm)		Weight	Area	Top in Compression				Bottom in Compression				Web Shear & Cripp.	
				Ix	Zx-Top	Zx-Bott.	Ma	Ix	Zx-Top	Zx-Bott.	Ma	Va	Pa
Exterior	Interior	kg/m2	cm2	cm4	cm3	cm3	kN.m	cm4	cm3	cm3	kN.m	kN	kN
0.7	0.7	7.64	16.00	198.40	22.77	52.20	2.20	217.17	33.94	38.37	3.28	5.22	7.03
0.7	0.5	7.07	13.87	162.97	21.52	35.09	2.08	161.80	29.48	23.52	2.28	5.22	6.30
0.5	0.5	6.41	11.43	119.12	13.77	33.82	1.33	137.63	22.08	23.12	2.14	5.07	6.30

Load Table [kN/m2]

Skin Thickness (mm)	Number of Spans	Load Case	Span in meters										
			1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
Ext. 0.7 Int. 0.7	1	*D+L*	*6.96*	*5.75*	*4.40*	*3.48*	*2.82*	*2.33*	*1.96*	*1.67*	*1.36*	*1.10*	*0.91*
		WP	9.26	7.65	5.86	4.63	3.75	3.10	2.60	2.22	1.91	1.66	1.37
		WS	9.77	8.37	7.33	6.51	5.59	4.60	3.54	2.79	2.23	1.81	1.49
	2	*D+L*	*3.75*	*3.21*	*2.81*	*2.50*	*2.25*	*2.05*	*1.87*	*1.73*	*1.61*	*1.50*	*1.41*
		WP	4.99	4.27	3.74	3.32	2.99	2.72	2.49	2.30	2.14	1.99	1.87
		WS	7.41	6.35	5.55	4.63	3.75	3.10	2.60	2.22	1.91	1.67	1.46
	3	*D+L*	*4.26*	*3.65*	*3.20*	*2.84*	*2.56*	*2.32*	*2.13*	*1.97*	*1.80*	*1.57*	*1.38*
		WP	5.67	4.86	4.25	3.78	3.40	3.09	2.83	2.62	2.39	2.08	1.83
		WS	7.71	6.61	5.79	5.14	4.63	3.87	3.25	2.77	2.39	2.08	1.83
Ext. 0.7 Int. 0.5	1	*D+L*	*6.96*	*5.44*	*4.16*	*3.29*	*2.66*	*2.20*	*1.77*	*1.39*	*1.12*	*0.91*	*0.75*
		WP	9.26	7.23	5.54	4.37	3.54	2.93	2.46	2.09	1.67	1.36	1.12
		WS	9.77	7.90	6.05	4.78	3.87	3.20	2.64	2.08	1.66	1.35	1.11
	2	*D+L*	*3.36*	*2.88*	*2.52*	*2.24*	*2.02*	*1.83*	*1.68*	*1.55*	*1.44*	*1.29*	*1.14*
		WP	4.47	3.83	3.35	2.98	2.68	2.44	2.23	2.06	1.92	1.72	1.51
		WS	7.41	6.35	5.54	4.37	3.54	2.93	2.46	2.10	1.81	1.57	1.38
	3	*D+L*	*3.82*	*3.27*	*2.86*	*2.55*	*2.29*	*2.08*	*1.91*	*1.76*	*1.64*	*1.48*	*1.30*
		WP	5.08	4.35	3.81	3.39	3.05	2.77	2.54	2.34	2.18	1.97	1.73
		WS	7.71	6.61	5.79	5.14	4.43	3.66	3.08	2.62	2.26	1.97	1.73
Ext. 0.5 Int. 0.5	1	*D+L*	*4.73*	*3.48*	*2.66*	*2.10*	*1.70*	*1.41*	*1.18*	*1.01*	*0.82*	*0.66*	*0.55*
		WP	6.30	4.63	3.54	2.80	2.27	1.87	1.57	1.34	1.16	0.99	0.82
		WS	9.46	7.42	5.68	4.49	3.63	2.91	2.24	1.77	1.41	1.15	0.95
	2	*D+L*	*3.36*	*2.88*	*2.52*	*2.24*	*2.02*	*1.83*	*1.68*	*1.55*	*1.39*	*1.21*	*1.07*
		WP	4.47	3.83	3.35	2.98	2.68	2.44	2.23	2.06	1.85	1.62	1.42
		WS	6.30	4.63	3.54	2.80	2.27	1.87	1.57	1.34	1.16	1.01	0.89
	3	*D+L*	*3.82*	*3.27*	*2.86*	*2.55*	*2.13*	*1.76*	*1.48*	*1.26*	*1.09*	*0.95*	*0.83*
		WP	5.08	4.35	3.81	3.39	2.83	2.34	1.97	1.68	1.45	1.26	1.11
		WS	7.50	5.78	4.43	3.50	2.83	2.34	1.97	1.68	1.45	1.26	1.11

Note: D + L = Dead + Live Load (Deflection limit Span/180)
WP = Wind Pressure (Deflection limit Span/120)
WS = Wind Suction (Deflection limit Span/120)
Material conforming to ALLOY 3003 H26 (Fy = 16.15 kN/cm2) or equivalent