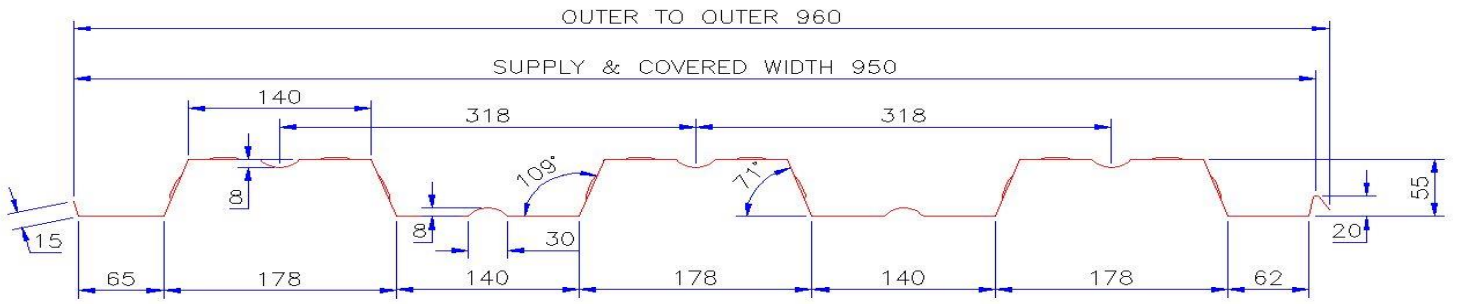
METAL SCOPE DECK PANEL M55-178-GI

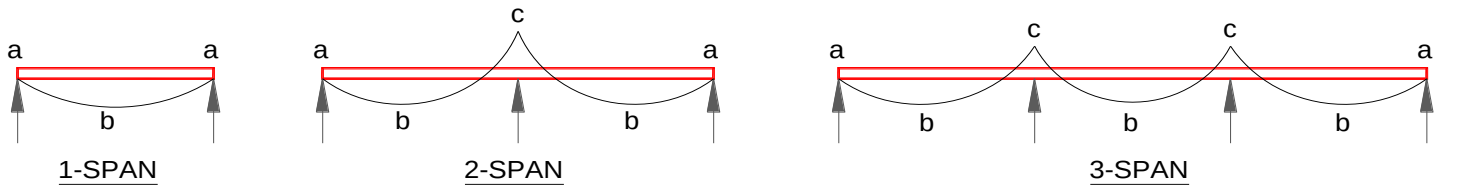
F_y =	250 N/mm^2	Fu =	400 N/mm^2

Panel Structural Properties :



Elastic Modulus (E) = 20300 KN/cm^2

Base Metal	Nominal Thickness (T)	Covering Width	Nominal Weight	Nominal Area	Full Section (Ix)	Top in Compression				Bottom in Compression				Web Shear (Va)
						Itx	Sx-Top	Sx-Bot	Ma $_{tx}$	Ibx	Sx-Top	Sx-Bot	Ma $_{bx}$	
	(mm)	(mm)	(kg/m)	(cm^2)	(cm^4)	(cm^4)	(cm^3)	(cm^3)	(kNm)	(cm^4)	(cm^3)	(cm^3)	(kNm)	(kN)
Steel	0.80	950	7.66	10.00	56.89	49.54	12.57	18.28	1.87	48.10	14.44	14.49	2.15	24.98
Steel	1.00	950	9.58	12.49	70.69	66.40	17.43	22.83	2.59	65.26	18.58	20.38	2.76	32.48
Steel	1.20	950	11.49	14.97	84.34	83.50	22.49	27.21	3.34	82.39	22.63	26.24	3.36	38.71
Steel	1.50	950	14.37	18.67	104.51	104.51	28.18	32.97	4.19	104.11	28.15	32.73	4.18	47.90



1-SPAN 2-SPAN 3-SPAN

a - Max. Shear Check b - Max. (+Ve) Moment & Deflection Check c - Max. (-Ve) Moment Moment & Shear Check

Allowable Uniform Loads (kN/m^2):

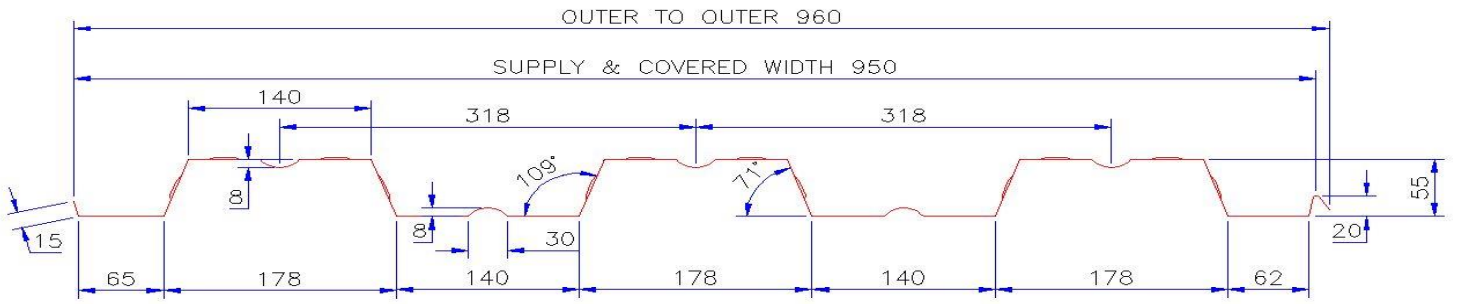
Limiting Deflection = Span / 180

Base Metal	Nominal Thickness (T)	No. of Spans	Load Case	SPAN IN METERS									
	(mm)			0.80	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
Steel	0.80	1	D + L	23.36	14.95	9.57	6.65	4.88	3.74	2.95	2.39	1.98	1.66
		2	D + L	23.64	15.78	10.40	7.34	5.45	4.20	3.33	2.71	2.24	1.89
		3	D + L	28.20	19.08	12.70	9.02	6.72	5.20	4.13	3.36	2.79	2.35
	1.00	1	D + L	32.38	20.72	13.26	9.21	6.77	5.18	4.09	3.32	2.74	2.27
		2	D + L	30.47	20.32	13.38	9.44	7.01	5.40	4.29	3.48	2.89	2.43
		3	D + L	36.37	24.59	16.36	11.61	8.65	6.69	5.32	4.33	3.59	3.02
	1.20	1	D + L	41.75	26.72	17.10	11.88	8.72	6.68	5.28	4.28	3.51	2.71
		2	D + L	36.92	24.66	16.25	11.48	8.52	6.57	5.21	4.24	3.51	2.96
		3	D + L	44.00	29.80	19.85	14.11	10.52	8.13	6.47	5.26	4.37	3.68
	1.50	1	D + L	52.38	33.52	21.45	14.90	10.95	8.38	6.62	5.36	4.35	3.35
		2	D + L	45.87	30.65	20.21	14.27	10.59	8.17	6.48	5.27	4.37	3.68
		3	D + L	54.65	37.03	24.67	17.54	13.08	10.11	8.04	6.55	5.43	4.58

METAL SCOPE DECK PANEL M55-178-GI

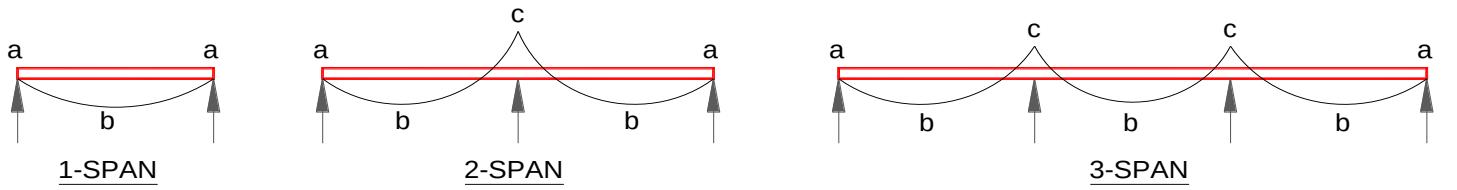
F_y =	345 N/mm^2	Fu =	450 N/mm^2

Panel Structural Properties :



Elastic Modulus (E) = 20300 KN/cm^2

Base Metal	Nominal Thickness (T)	Covering Width	Nominal Weight	Nominal Area	Full Section (Ix)	Top in Compression				Bottom in Compression				Web Shear (Va)
						Itx	Sx-Top	Sx-Bot	Ma $_{tx}$	Ibx	Sx-Top	Sx-Bot	Ma $_{bx}$	
	(mm)	(mm)	(kg/m)	(cm^2)	(cm^4)	(cm^4)	(cm^3)	(cm^3)	(kNm)	(cm^4)	(cm^3)	(cm^3)	(kNm)	(kN)
Steel	0.80	950	7.66	10.00	56.89	46.70	11.54	17.94	2.38	45.48	14.09	13.29	2.74	29.44
Steel	1.00	950	9.58	12.49	70.69	63.00	16.11	22.45	3.33	61.39	18.09	18.48	3.73	45.11
Steel	1.20	950	11.49	14.97	84.34	79.84	20.99	26.82	4.33	78.15	22.14	24.04	4.57	53.77
Steel	1.50	950	14.37	18.67	104.51	104.51	28.18	32.97	5.82	102.81	28.00	32.04	5.78	66.53



1-SPAN 2-SPAN 3-SPAN

a - Max. Shear Check b - Max. (+Ve) Moment & Deflection Check c - Max. (-Ve) Moment Moment & Shear Check

Allowable Uniform Loads (kN/m^2):

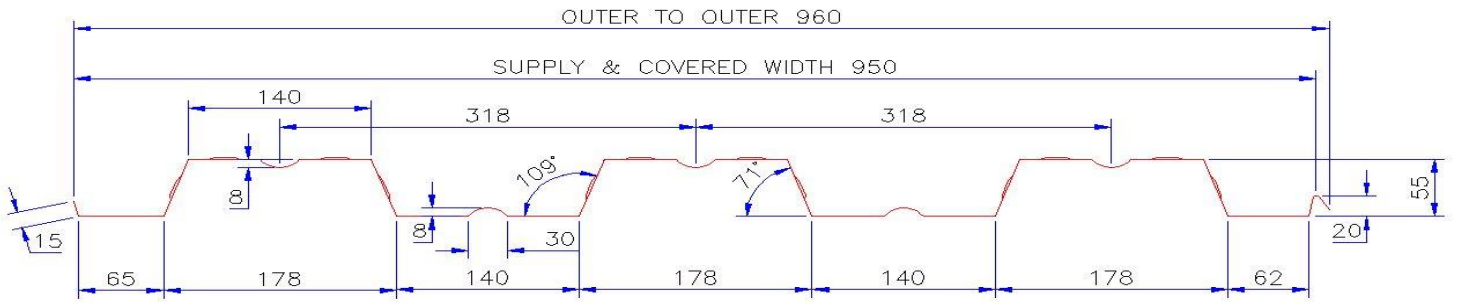
Limiting Deflection = Span / **180**

Base Metal	Nominal Thickness (T)	No. of Spans	Load Case	SPAN IN METERS									
	(mm)			0.80	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
Steel	0.80	1	D + L	29.78	19.06	12.20	8.47	6.22	4.76	3.76	3.05	2.37	1.82
		2	D + L	29.63	19.89	13.16	9.31	6.92	5.34	4.24	3.45	2.86	2.41
		3	D + L	35.13	23.94	16.03	11.42	8.53	6.60	5.26	4.28	3.55	3.00
	1.00	1	D + L	41.58	26.61	17.03	11.83	8.69	6.65	5.26	3.92	2.94	2.27
		2	D + L	41.46	27.60	18.15	12.80	9.49	7.31	5.80	4.72	3.91	3.29
		3	D + L	49.57	33.44	22.21	15.75	11.73	9.06	7.20	5.86	4.86	4.09
	1.20	1	D + L	54.15	34.66	22.18	15.40	11.32	8.66	6.41	4.68	3.51	2.71
		2	D + L	50.45	33.65	22.15	15.63	11.60	8.94	7.10	5.77	4.78	4.02
		3	D + L	60.21	40.71	27.08	19.23	14.33	11.07	8.80	7.16	5.94	5.01
	1.50	1	D + L	72.70	46.53	29.78	20.68	15.19	11.31	7.95	5.79	4.35	3.35
		2	D + L	63.50	42.42	27.96	19.74	14.66	11.30	8.97	7.29	6.04	5.09
		3	D + L	75.68	51.26	34.15	24.27	18.09	13.99	11.12	9.05	7.51	6.33

METAL SCOPE DECK PANEL M55-178-GI

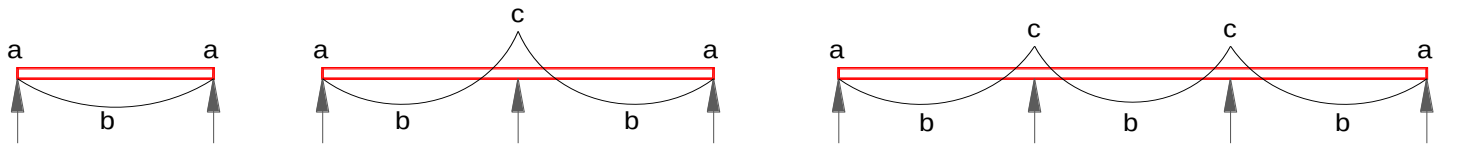
F_y =	550 N/mm^2	Fu =	620 N/mm^2

Panel Structural Properties :



Elastic Modulus (E) = 20300 KN/cm^2

Base Metal	Nominal Thickness (T)	Covering Width	Nominal Weight	Nominal Area	Full Section (Ix)	Top in Compression				Bottom in Compression				Web Shear (Va)
						Itx	Sx-Top	Sx-Bot	Ma $_{tx}$	Ibx	Sx-Top	Sx-Bot	Ma $_{bx}$	
	(mm)	(mm)	(kg/m)	(cm^2)	(cm^4)	(cm^4)	(cm^3)	(cm^3)	(kNm)	(cm^4)	(cm^3)	(cm^3)	(kNm)	(kN)
Steel	0.80	950	7.66	10.00	56.89	42.72	10.18	17.40	3.36	41.82	13.55	11.73	3.88	35.03
Steel	1.00	950	9.58	12.49	70.69	57.96	14.27	21.83	4.72	56.35	17.42	16.19	5.35	58.09
Steel	1.20	950	11.49	14.97	84.34	74.03	18.74	26.14	6.19	71.46	21.29	20.86	6.89	83.51
Steel	1.50	950	14.37	18.67	104.51	98.25	25.61	32.28	8.46	95.30	27.11	28.32	8.96	106.44



1-SPAN 2-SPAN 3-SPAN

a - Max. Shear Check b - Max. (+Ve) Moment & Deflection Check c - Max. (-Ve) Moment Moment & Shear Check

Allowable Uniform Loads (kN/m^2):

Limiting Deflection = Span / 180

Base Metal	Nominal Thickness (T)	No. of Spans	Load Case	SPAN IN METERS									
	(mm)			0.80	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
Steel	0.80	1	D + L	42.04	26.90	17.22	11.96	8.78	6.16	4.33	3.15	2.37	1.82
		2	D + L	39.88	27.15	18.16	12.94	9.66	7.48	5.95	4.85	4.02	3.39
		3	D + L	46.63	32.31	21.93	15.77	11.84	9.21	7.35	5.95	4.47	3.44
	1.00	1	D + L	59.00	37.76	24.17	16.78	11.42	7.65	5.38	3.92	2.94	2.27
		2	D + L	57.96	38.88	25.70	18.18	13.52	10.43	8.28	6.73	5.58	4.70
		3	D + L	68.78	46.83	31.32	22.31	16.66	12.89	10.14	7.39	5.56	4.28
	1.20	1	D + L	77.38	49.52	31.69	21.64	13.63	9.13	6.41	4.68	3.51	2.71
		2	D + L	76.56	50.96	33.50	23.62	17.52	13.50	10.71	8.70	7.21	6.07
		3	D + L	91.56	61.76	41.00	29.08	21.65	16.72	12.10	8.82	6.63	5.11
	1.50	1	D + L	105.75	67.68	43.32	26.82	16.89	11.31	7.95	5.79	4.35	3.35
		2	D + L	99.08	66.04	43.46	30.66	22.75	17.53	13.91	11.30	9.37	7.88
		3	D + L	118.34	79.95	53.15	37.73	28.10	21.35	15.00	10.93	8.21	6.33