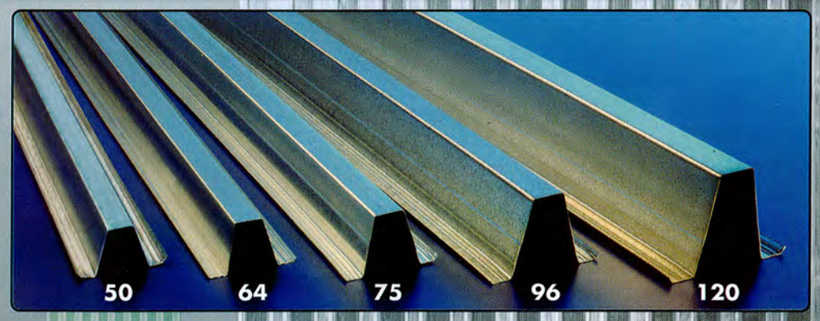
Span Table

TABLE 1			PURLIN SPACING											
Section	Load Type		600			900			1200			1500		
			MAX ALLOWABLE SPAN											
50 x 0.75			SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED
Strength Limit State	Inward Loads		2132	2366	2817	2024	2237	2644	1933	2130	2505	1856	2040	2389
	Wind Loads	TC3	3779	4390	4854	3085	3585	3963	2672	3104	3432	2390	2777	3070
		TC2.5	3355	3898	4309	2739	3183	3519	2372	2756	3047	2122	2465	2726
		TC2	3021	3510	3881	2467	2866	3169	2136	2482	2744	1911	2220	2454
Serviceability Limit State	Span for LL defl. of Span/150		1749	2323	2495	1700	2258	2425	1658	2202	2366	1622	2153	2313
	Span for LL defl. of Span/240		1495	1986	2134	1454	1931	2074	1418	1883	2023	1386	1841	1978

TABLE 2			PURLIN SPACING											
Section	Load Type		600			900			1200			1500		
			MAX ALLOWABLE SPAN											
64 x 0.75			SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED
Strength Limit State	Inward Loads		2913	3221	3812	2731	3006	3530	2584	2835	3311	2462	2695	3133
	Wind Loads	TC3	4518	5250	5804	3689	4286	4739	3195	3712	4104	2857	3320	36[illegible]
		TC2.5	4011	4661	5153	3275	3806	4207	2837	3296	3644	2537	2948	3259
		TC2	3612	4197	4640	2467	2950	3427	2554	2968	3281	2285	2655	2935
Serviceability Limit State	Span for LL defl. of Span/150		2340	3107	3338	2259	2999	3222	2191	2909	3125	2133	2832	3042
	Span for LL defl. of Span/240		2001	2657	2854	1931	2564	2755	1873	2487	2672	1824	2422	2601

TABLE 3			PURLIN SPACING											
Section	Load Type		600			900			1200			1500		
			MAX ALLOWABLE SPAN											
64 x 0.95			SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED
Strength Limit State	Inward Loads		3560	3927	4626	3307	3631	4245	3109	3402	3955	2947	3217	3725
	Wind Loads	TC3	5085	5908	6532	4152	4824	5333	3596	4178	4619	3216	3737	4131
		TC2.5	4515	5246	5799	3686	4283	4735	3192	3709	4101	2855	3318	3668
		TC2	4066	4724	5222	3320	3857	4264	2875	3340	3693	2571	2988	3303
Serviceability Limit State	Span for LL defl. of Span/150		2687	3566	3831	2580	3425	3679	2493	3309	3555	2420	3212	3450
	Span for LL defl. of Span/240		2297	3049	3276	2206	2928	3146	2131	2830	3040	2069	2747	29[illegible]



MILLFORM PRODUCTS

Span Table

The Following parameters have been used as the basis for the preparation of the following Tables

1. Loadings in accordance with AS 1170.1&2
2. Yield Strength of the Base Metal - 550 mPa for BMI<1.0mm 350 mPa for BMI>1.0mm
3. Strength Calculations in Accordance with AS 4600 Cold Formed Steel Structures Code
4. The Base metal thickness (BMT) used as the basis of strength and stiffness
5. Lapped spans refers to total lap length of 1/4 of one span
6. For double and lapped spans the length of each span should not vary by more than 10% of the adjacent span
7. For normal roofing applications the maximum span should not exceed that specified for span/150 deflection criteria

Millform Products strongly recommends that the information in this publication is used in conjunction with a qualified Architect or Engineer.

APPROVED BY STRUCTUAL ENGINEERS

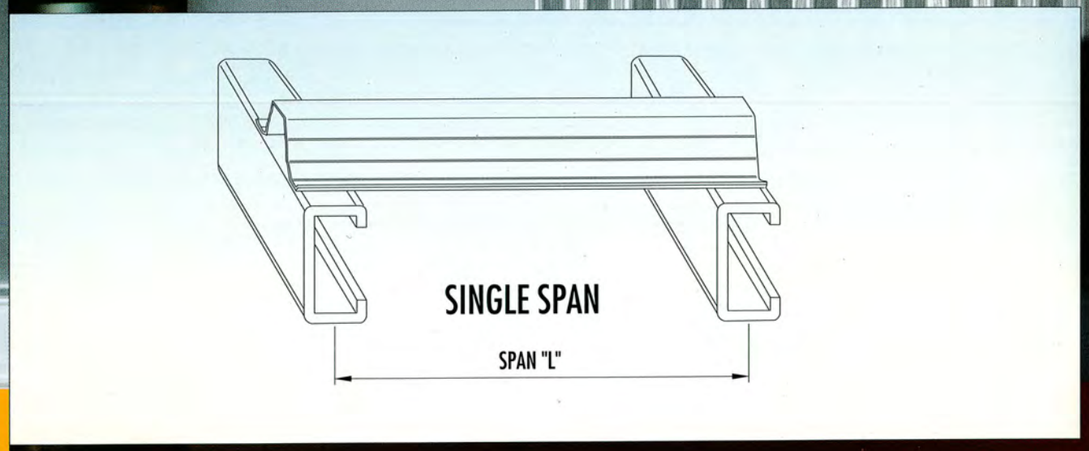
TABLE 4			PURLIN SPACING											
Section	Load Type		600			900			1200			1500		
			MAX ALLOWABLE SPAN											
64 x 1.15			SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED
Strength Limit State	Inward Loads		4171	4590	5388	3846	4213	4907	3596	3927	4550	3396	3699	4268
	Wind Loads	TC3	5595	6500	7186	4568	5308	5868	3956	4596	5082	3538	4111	4545
		TC2.5	4967	5771	6381	4056	4712	5210	3512	4081	4512	3142	3650	4035
		TC2	4473	5197	5746	3652	4244	4692	3163	3675	4063	2829	3287	3634
Serviceability Limit State	Span for LL defl. of Span/150		2997	3978	4273	2866	3804	4086	2761	3664	3936	2673	3548	3811
	Span for LL defl. of Span/240		2563	3402	3654	2450	3253	3494	2360	3133	3366	2285	3034	3259

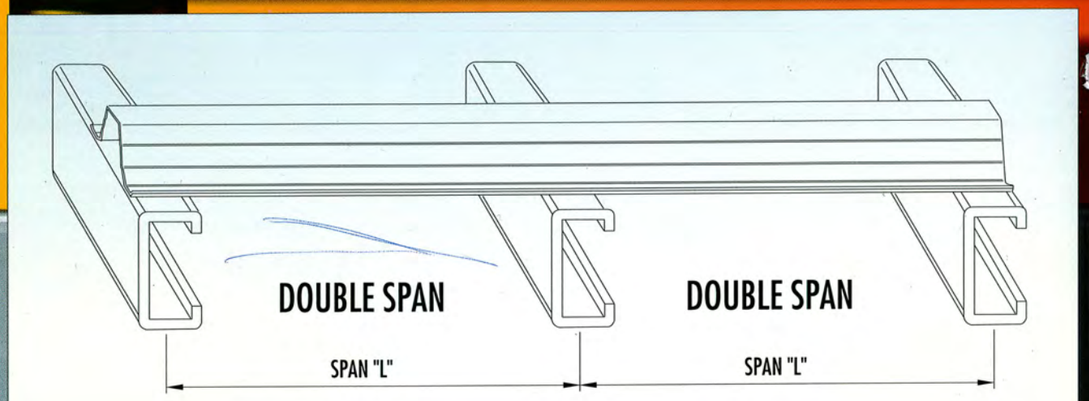
TABLE 5			PURLIN SPACING											
Section	Load Type		600			900			1200			1500		
			MAX ALLOWABLE SPAN											
75x 0.75			SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED
Strength Limit State	Inward Loads		3949	4349	5112	3651	4003	4668	3420	3738	4335	3234	3525	4072
	Wind Loads	TC3	5412	6288	6952	4419	5134	5676	3827	4446	4916	3423	3977	4397
		TC2.5	4805	5583	6172	3923	4558	5040	3398	3948	4364	3039	3531	3904
		TC2	4327	5028	5558	3533	4105	4538	3060	3555	3930	2737	3180	3515
[illegible]viceability [illegible]mit State	Span for LL defl. of Span/150		2980	3954	4248	2853	3787	4068	2751	3652	3923	2666	3539	3802
	Span for LL defl. of Span/240		2548	3381	3633	2440	3238	3479	2352	3123	3355	2280	3026	3251

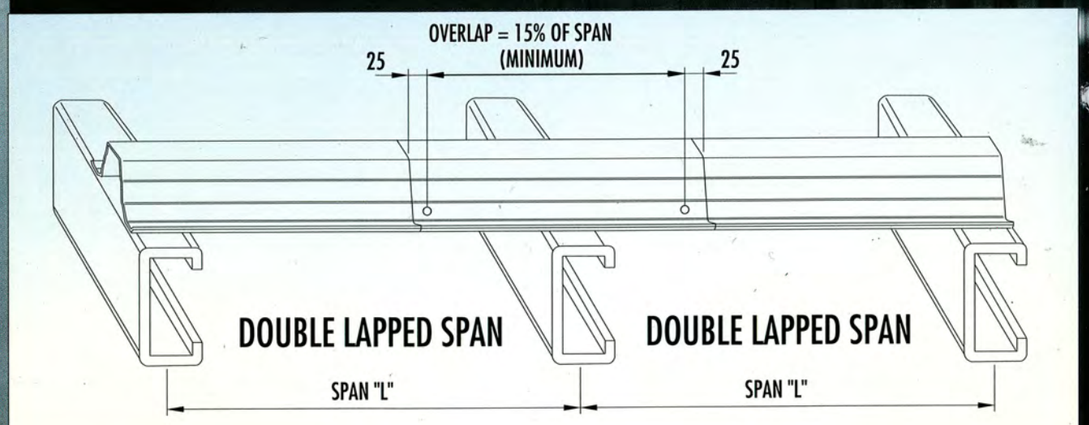
TABLE 6			PURLIN SPACING											
Section	Load Type		600			900			1200			1500		
			MAX ALLOWABLE SPAN											
75x 0.95			SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED	SINGLE	DOUBLE	LAPPED
Strength Limit State	Inward Loads		4787	5259	6153	4385	4795	5567	4082	4449	5139	3841	4177	4805
	Wind Loads	TC3	6091	7077	7824	4973	5778	6388	4307	5004	5532	3852	4476	4948
		TC2.5	5408	6283	6947	4416	5130	5672	3824	4443	4912	3420	3974	4393
		TC2	4870	5658	6256	3976	4620	5108	3444	4001	4423	3080	3579	3956
Serviceability Limit State	Span for LL defl. of Span/150		3405	4518	4854	3243	4304	4623	3115	4134	4441	3010	3994	4291
	Span for LL defl. of Span/240		2911	3864	4151	2773	3680	3954	2664	3535	3798	2573	3416	3669

STRENGTH PERFORMANCE

MILLFORM PRODUCTS







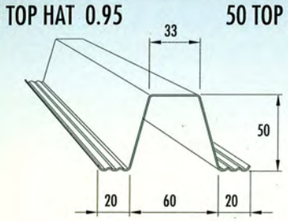
MILLFORM PRODUCTS

STRENGTH PERFORMANCE

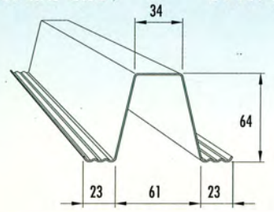
MILLFORM PRODUCTS

TOP HAT PRODUCT DETAIL AND INSTALLATION

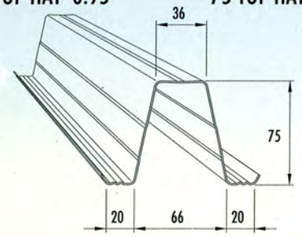
50 TOP HAT 0.95 — 50 TOP HAT 0.75



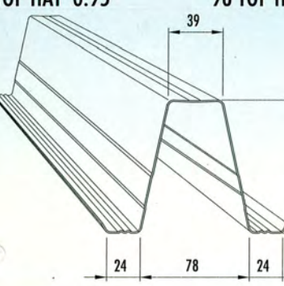
64 TOP HAT 0.95 — 64 TOP HAT 0.75



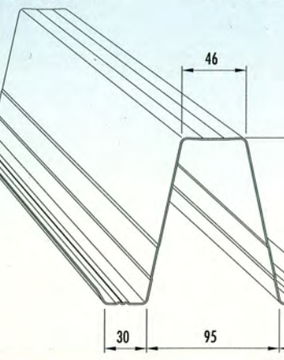
75 TOP HAT 0.95 — 75 TOP HAT 0.75



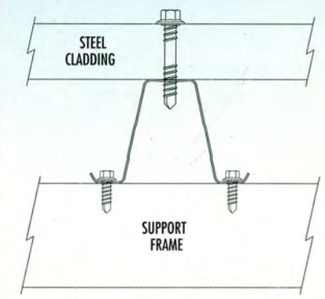
96 TOP HAT 0.95 — 96 TOP HAT 0.75



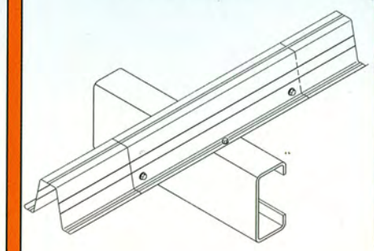
120 TOP HAT 0.95 — 120 TOP HAT 0.75



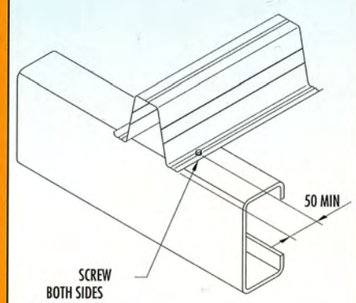
FASTENING STEEL CLADDING



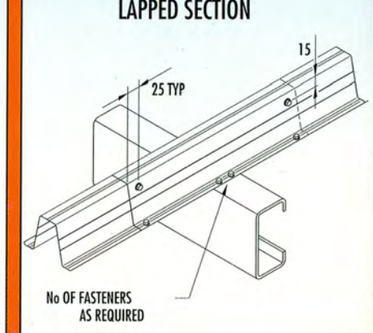
TYPICAL ATTACHMENT DETAIL
50, 64 & 75 TOP HAT
LAPPED SECTION



TYPICAL END ATTACHMENT DETAIL



TYPICAL ATTACHMENT DETAIL
96 & 120 TOP HAT
LAPPED SECTION



TOP HAT TYPICAL APPLICATION