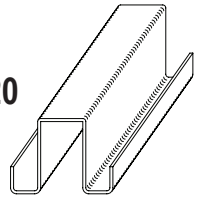
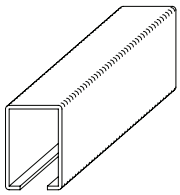
LOAD TABLES
ALUMINUM
3005 H26

STRUCTURAL U's
SUH120, SUH240 and SUC120





L/180 Deflection Criteria

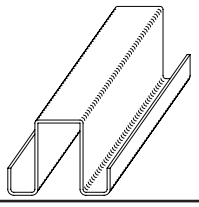
Section Property	HAT	U
Area A $in.^2$	0.300	0.208
I, $in.^4$	0.0775	0.0552
Y_T, in	0.833	0.646
Y_B, in	0.667	0.804
Top, S_T, $in.^3$	0.0930	0.0854
Bottom, S_B, $in.^3$	0.1161	0.0687

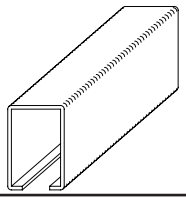
ALUMINUM 0.050"												
Allowable Uniformly Distributed Wind Load In Pounds Per Lineal Foot												
Span Feet	Hat Section (SUH)						U Section (SUC)					
	Single		Double		Triple		Single		Double		Triple	
	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ
2'-0"	258	287	258	479	322	479	190	204	190	342	238	342
2'-6"	165	147	165	246	206	246	122	105	122	175	152	175
3'-0"	114	85	114	142	143	142	84	60	84	101	106	101
3'-6"	84	54	84	89	105	89	62	38	62	64	78	64
4'-0"	64	36	64	60	80	60	48	26	48	47	60	77
4'-6"	51	25	51	42	64	42	38	18	38	30	47	30
5'-0"	41	18	41	31	51	31	30	13	30	22	38	22
5'-6"	34	14	34	23	42	23	25	10	25	16	31	16
6'-0"	29	11	29	18	36	18	21	8	21	13	26	13
6'-6"	24	8	24	14	30	14	18	6	18	10	22	10
7'-0"	21	7	21	11	26	11	16	5	16	8	19	8

Notes:
1. Calculations have been made in accordance with the Aluminum Association's Specification for Aluminum Structures.
2. F_b: Allowable load based on allowable bending stress.
   Δ: Allowable load based on maximum deflection of 1/180th of the span.
3. Wind load is normal to the axis of the member and can act in either direction.
4. Flanges of members not braced by connection to panels must be laterally braced at 2'-6" o.c. maximum.
5. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use only by those qualified to assess these effects.

LOAD TABLES
STEEL
ASTM A653
SS 33

STRUCTURAL U's
SUH120, SUH240 and SUC120





L/180 Deflection Criteria

STEEL 0.050"												
Allowable Uniformly Distributed Wind Load In Pounds Per Lineal Foot												
Span Feet	Hat Section (SUH)						U Section (SUC)					
	Single		Double		Triple		Single		Double		Triple	
	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ
2'-0"	327	853	327	2055	409	1611	202	533	202	1284	253	1007
2'-6"	209	437	209	1052	262	825	129	273	129	657	162	515
3'-0"	145	253	145	608	182	477	90	158	90	380	112	298
3'-6"	107	159	107	383	133	300	66	99	66	239	82	187
4'-0"	81	106	81	256	102	201	50	66	50	160	63	125
4'-6"	64	74	64	180	80	141	40	46	40	112	50	88
5'-0"	52	54	52	131	65	103	32	34	32	82	40	64
5'-6"	43	41	43	98	54	77	26	25	26	61	33	48
6'-0"	36	31	36	76	45	59	22	19	22	47	28	37
6'-6"	31	24	31	59	38	46	19	15	19	37	24	29
7'-0"	26	19	26	47	33	37	16	12	16	29	20	23
7'-6"	23	16	23	38	29	30	14	10	14	24	18	19
8'-0"	20	13	20	32	25	25	12	8	12	20	15	15

STEEL 0.023"												
Allowable Uniformly Distributed Wind Load In Pounds Per Lineal Foot												
Span Feet	Hat Section (SUH)						U Section (SUC)					
	Single		Double		Triple		Single		Double		Triple	
	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ	F_b	Δ
2'-0"	162	423	162	1019	203	799	105	270	105	651	131	510
2'-6"	104	217	104	522	129	409	66	138	66	333	84	261
3'-0"	72	125	72	302	90	237	46	80	46	193	58	151
3'-6"	52	77	52	190	66	149	34	50	34	121	42	95
4'-0"	40	52	40	127	51	100	26	33	26	81	32	63
4'-6"	32	37	32	89	40	70	20	23	20	56	26	45
5'-0"	26	27	26	65	32	51	17	17	17	42	21	32
5'-6"	21	20	21	49	27	38	13	12	13	31	17	24
6'-0"	17	15	17	37	22	29	12	10	12	24	14	18
6'-6"	15	12	15	29	19	23	9	7	9	18	12	14
7'-0"	12	9	12	23	16	18	8	6	8	15	10	12
7'-6"	11	7	11	19	14	15	7	5	7	12	9	9
8'-0"	10	6	10	16	12	12	6	4	6	10	7	7

Notes:
1. Calculations have been made in accordance with the American Iron and Steel Institute's Specification for the Design of Cold-Formed Steel Structural Members.
2. F_b: Allowable load based on allowable bending stress.
   Δ: Allowable load based on maximum deflection of 1/180th of the span.
3. Loads are normal to the axis of the member and can act in either direction.
4. In case of wind loads, allowable loads based on allowable bending stress may be increased 33%.
5. Members not laterally braced by connections to panels must otherwise be internally braced at intervals not exceeding 4'-0".
6. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use only by those qualified to assess these effects.