WORKSHEET B: **HEATING AND COOLING HTM & LOAD AREA FOR WINDOWS** (FLAT, BAY OR GARDEN) **AND GLASS DOORS** (HINGED SLIDING OR FRENCH)

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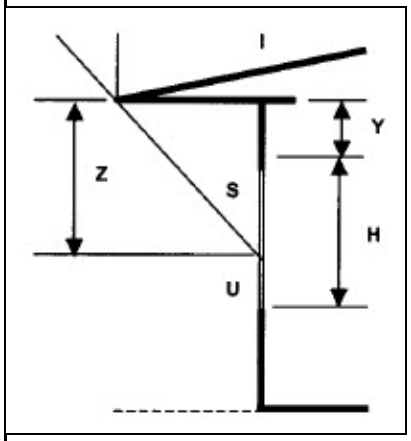
HTD	CTD	T3 CTD

Round CTD value for table 3 lookup; use + 1 or - 1; or + 2 or - 2; as required (16 = 15; 17 = 15; 18 = 20; 19 = 20)

		Northerly Direction or Obviously Shaded by Overhang						All Other Directions								
	Form J1AE, item 6A															
	Line ID (a, b, c,…etc.)															
	Direction glass faces															
	Number of panes															
	Frame type (w, m, mb, v)															
1.) Table 2A construction number	**To J1AE-->**															
2.) Table 2A U-value																
3.) Unadjusted heating HTM = U x HTD																
4.) Heating HTM adjustment (see Note 1)																
5.) Adjusted heating HTM (L3 x L4)	**To J1AE-->**															
6.) Cooling HTM from Table 3A (default = blinds @ 45 deg)																
7.) Cooling HTM adjustment (see Note 2)																
8.) Adjusted C - HTM (L6 x L7)	**N, NE, NW, to J1AE-->**															
9.) Area of opening (SqFt) for one unit)																
10.) Number of identical assemblies																
11.) Net area of identical assemblies (L9 x L10)	**To J1AE-->**															



If S is negative or zero, Stop! Then copy the line 8 HTM to line 26

If S > H, jump to line 19; then copy the line 21 HTM to line 26

Internal shade same as used for Line 6

Overhang (OH) Adjustment

12.) Opening height (H) in feet															
13.) Overhang length (X) IN FEET															
14.) SLM value for local latitude															
15.) Shade line to OH (Z) = L13 x L14															
16.) Distance below (OH) (Y)															
17.) Shaded height (S) = L15 - L16															
18.) Unshaded height (U) = L12 - L17															
19.) North HTM from Table 3A															
20.) HTM adjustment (copy line 7)															
21.) Adjusted North HTM (L19 x L20)															
22.) Shaded glass factor = L17 / L12															
23.) Unshaded glass factor = L18 / L12															
24.) Shaded HTM = L21 x L22															
25.) Unshaded HTM = L8 x L23															
To J1AE> 26.) Effective HTM = L24 + L25															

	SLM Values for North Latitudes					
Latitude	**25**	**30**	**35**	**40**	**45**	**50**
E or W						
SE or SW						
South						

Note 1: Default = 1.0; Bay window = 1.15; Garden window = 2.75; French door = 0.70

Note 2: Default = 1.0; Insect screen = 0.90; Bay window = 1.15; Garden window = 2.00; French door = 0.70