

## Appendix A Sterling Roof System™ Drag Load Table

### Drag Load per Lineal foot of 17" Sterling Roof System™ Snow Load, psf

Slope	25	30	35	40	45	50	55	60	65
3:12	8.60	10.31	12.03	13.74	15.46	17.18	18.90	20.62	22.33
4:12	11.20	13.44	15.68	17.92	20.16	22.40	24.64	26.88	29.12
5:12	13.62	16.35	19.07	21.79	24.52	27.24	29.97	32.69	35.42
6:12	15.84	19.01	22.17	25.34	28.51	31.68	34.85	38.01	41.18
7:12	17.85	21.41	24.98	28.55	32.12	35.69	39.26	42.83	46.40
8:12	19.65	23.57	27.50	31.43	35.36	39.29	43.22	47.15	51.08
9:12	21.25	25.50	29.75	34.00	38.25	42.50	46.75	51.00	55.25
10:12	22.67	27.21	31.74	36.28	40.81	45.35	49.88	54.42	58.95
11:12	23.93	28.72	33.50	38.29	43.08	47.86	52.65	57.44	62.22
12:12	25.04	30.05	35.06	40.07	45.08	50.09	55.10	60.10	65.11

Notes:

- 1) To determine drag forces per panel, multiply the tabulated value by the panel length.
- 2) Then refer to Appendix B (page 36) for fastener schedule.

### Snow Loads Exceeding 65 psf

#### Example:

Sterling Roof System™

4:12 slope

120 psf. snow load

40 foot maximum sheet length

- a. From table above, find the tabulated value at 4:12 slope and at 60 psf. snow load.  
(4:12, 60 psf. snow load = 26.88)
- b. Multiply the tabulated value by 2 to obtain tabulated value at 120 psf. snow load.  
(26.88 x 2 = 53.76)
- c. Multiply the tabulated value by the length to obtain drag load.  
(53.76 x 40 = 2150.40 lbs.)

Note: There is not a limit for snow load. If the job required a 180 psf. snow load, the tabulated value would be (26.88 x 3 = 80.64) and so on.

Contact your ASC Building Products representative if you have any questions about the use of the Drag Load Per Lineal Foot Table.