

The tracking wing E&W reflectors are protected by surrounding building walls from most of the horizontal wind loads, however because of other wind loads the west reflector wing can have an engineered spring, and the wings would be tied into secure stow position before forecasted wind storms. The thickness of the metal reflector facets (about 0.020''/0.5mm) bend with wind loads permitting wind passage, but are stiff enough to hold position when they are inclined without large wind loads. A study has reflector facets around 24x24''/610x610 (FxG) or less with 11 facets on 3 horizontal bamboo poles; WW= 7'-6''/2.28m and HW= 6'-4''/1.93m.

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