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التقنية العليا
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STEEL INDUSTRIES

SKY LIGHT COVER SYSTEMS

- 1 OSHA-Compliant fall protection for skylights
- 2 Non-Penetrating Installation
- 3 Heavy-Duty Aluminum



OVERVIEW:

Model STS is a metal screen system attached to the outer frame of curb-mounted commercial skylights to prevent falls through the skylight lens. Installation uses a patented non-penetrating compression fit on most applications, eliminating fasteners into the skylight frame and avoiding potential leak paths.



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SKY LIGHT COVER SYSTEMS

MATERIALS & CONSTRUCTION

Component	Material / Spec	Notes
Mounting Frame	6005-T6 extruded aluminium rails	Two rails resting on long sides of skylight outer frame
Frame Fasteners	5/16" cold rolled, zinc-plated threaded rods	Nylon insert lock nuts and zinc-plated washers; short sides only
Screen Wire	304 stainless steel or galvanised carbon steel	ø0.187" and ø0.250" wire; 4" x 4" grid pattern
Screen Clips	1" aluminium clips	Secured with ½" stainless steel hex head screws

PERFORMANCE & COMPLIANCE

Parameter	Detail
OSHA Standard	29 CFR 1910.23 (a)(4) and 29 CFR 1910.23 (e)(8)
Design Basis	Designed and tested for compliance with above standards
Installation Method	Non-penetrating compression fit – no fasteners into skylight frame
Installation Time	2 persons, approx. 20 minutes



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INSTALLATION NOTES

1. Rest the two aluminium mounting rails on the long sides of the skylight outer frame.
2. Connect the rails on the short sides using the 5/16" zinc-plated threaded rods, nylon lock nuts and washers.
3. Position screen panels in the channel of the aluminium frame.
4. Lock screens in place with 1" aluminium clips secured by ½" stainless steel hex head screws.

Note: No fasteners are drilled into or through the skylight frame. The compression fit holds the assembly in place on most standard curb-mounted skylights.