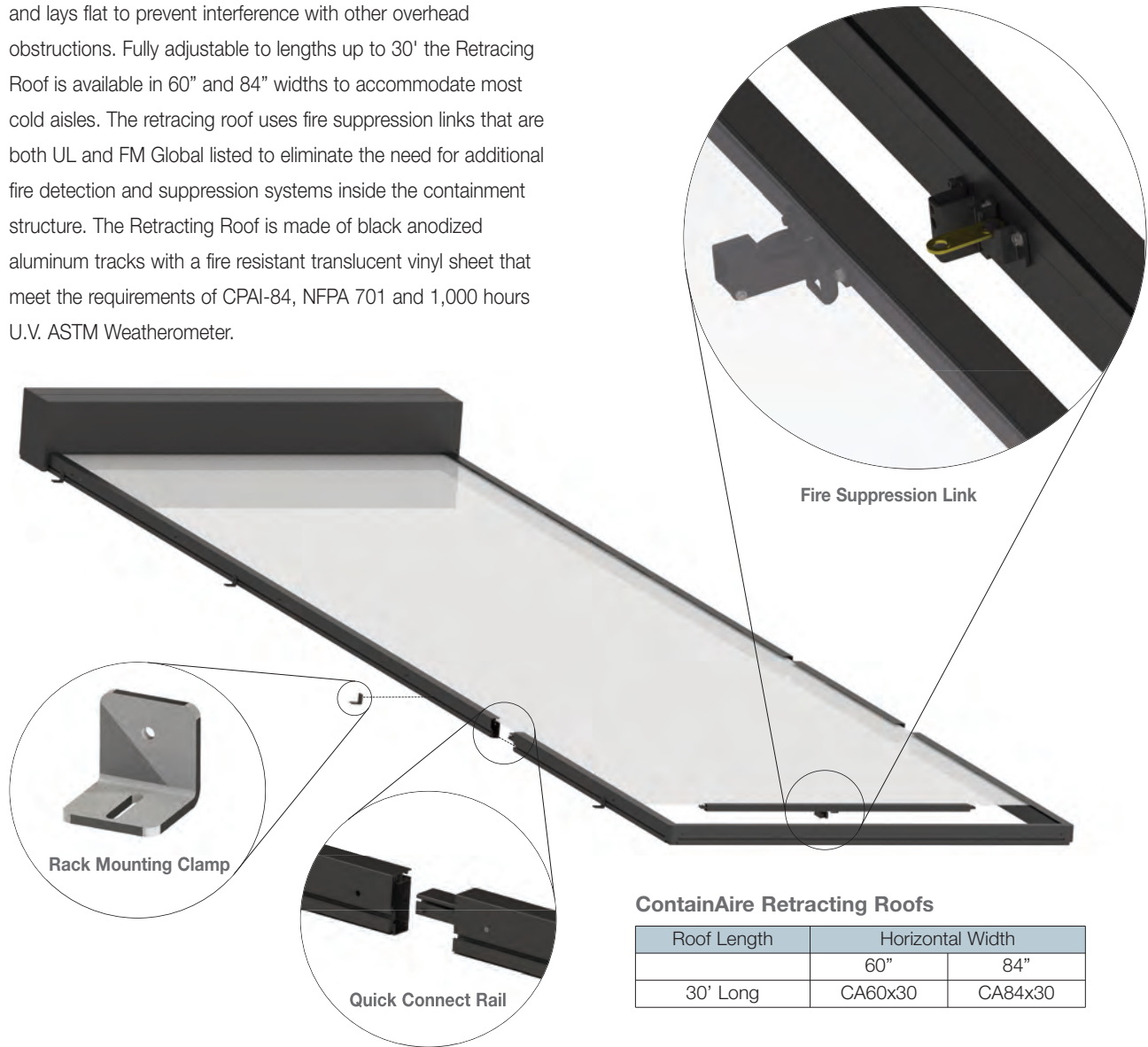


ContainAire Retracting Roof

Retracting Roofs

The ContainAire Retracting Roof attaches to the top of the racks and lays flat to prevent interference with other overhead obstructions. Fully adjustable to lengths up to 30' the Retracting Roof is available in 60" and 84" widths to accommodate most cold aisles. The retracting roof uses fire suppression links that are both UL and FM Global listed to eliminate the need for additional fire detection and suppression systems inside the containment structure. The Retracting Roof is made of black anodized aluminum tracks with a fire resistant translucent vinyl sheet that meet the requirements of CPAI-84, NFPA 701 and 1,000 hours U.V. ASTM Weatherometer.



ContainAire Retracting Roofs

Roof Length	Horizontal Width	
	60"	84"
30' Long	CA60x30	CA84x30

All ContainAire Retracting Roofs come packaged to reach a maximum of 30 feet in length. Given a cold aisle of less than 30 feet it is possible to remove rails at quick connect points in 5' (60") segments. Rails can be cut down in the field to meet aisle lengths with more precision. Although the maximum length a single Retracting Roof can reach is 30 feet, roofs can be installed either end to end or more aesthetically mirrored from opposing ends of an aisle. It is important to not leave any length of aisle uncovered as air leakage will drastically reduce effectiveness.

The components for a ContainAire Retracting Roof include:

- 1–Aluminum Housing
- 1–ESD/ Fire Resistant Vinyl Roof
- 5–Side Rails
- 5–Sliding Rails
- 2–End Rails
- 1–UL/FM Fire Suppression Link
- 1–Rope Ratchet

ContainAire Retracting Roof

The example below is based on the adjacent diagram.

Given:

There are two rows of 20 x 2' racks forming a 40' long aisle. Each rack is 8' high and there is a 4' cold aisle between the two rows. You would like to use ContainAire Retracting Roof for the vertical containment component.

Solution:

Based on a 4' (48") cold aisle, the appropriate size retracting roof would be the 60" wide model (CA60X30). Given a 40' long aisle, a single retracting roof will be unable to meet the total length, it is suggested you order two (2-CA60X30) to be installed opposite of one another on opposing ends of the aisle. On each of these roofs, two 5' quick connect rails will be removed to installed 2 x 20' length roofs for a 40' total length therefore the order would be:

2-CA60X30

Note: The ContainAire Retracting Roof is most applicable in cold aisle configurations with typical rack heights on both sides of the aisle.

If one or more racks are either missing or of a lower height, it is suggested a ContainAire partition kit be purchased and slide into an existing track on the retracting roof to eliminate air leakage.

