

MODELS:

V2xx, V4xx, V6xx

1. The structural framing shall be designed to support both the equipment screen gravity loads and all live load forces (i.e. wind loads) transferred through the equipment screen assembly. The structural framing shall be designed, provided, and installed by others.
2. The standard equipment screen assembly is designed for 30 lbs per square foot wind loading. Higher capacity designs are available but may require modifications to mullion spans, mullion spacing, size of screen framing, or the span between mounting points (consult Architectural Louvers for design assistance). All Intermediate blade stiffeners and mullion framing require support from the structural framing. Refer to the charts below for the attachment locations required for each screen model.
3. Vertical and/or horizontal framing members may be used to accommodate the screen attachment locations. The location of the screen assembly will generally dictate which method is best for your application.

Rooftop Location:

For screens on rooftops, minimizing roof penetrations is typically desirable. This can be achieved by using a combination of vertical and horizontal structural framing members. Horizontal members at the appropriate spans allow for attachment of the equipment screen wherever necessary. As such, the verticals are only necessary to support the horizontals and can be spaced as far apart as the structural framing calculations will allow. This method allows for equal size screen panels and a simplified screen installation.

Ground Level / Concrete Pad Location:

For screens at ground level, the number of vertical structural framing members is typically not a concern. To save framing cost, horizontal structural framing members may be eliminated in favor of more verticals. Under this method, it is recommended that vertical structural framing members be spaced evenly to minimize installation complications and cost.

4. Refer to Equipment Screen Installation Instructions (ES-1 or ESH-1) for supplemental information.

		Wind Load (psf)												
		30	40	50	60	70	80	90	100	110	120	130	140	150
Model	Max "A"	* Max "B"	Max "A"	Max "A"	Max "A"	Max "A"	Max "A"	Max "A"	Max "A"	Max "A"	Max "A"	Max "A"	Max "A"	Max "A"
V2KS	48"	60"	44.5"	41"	39"	37"	35"	34"	33"	32"	31"	30"	29.25"	28.5"
V4JS	60"	60"	56"	52"	49"	46.5"	44.5"	43"	41.5"	40"	39"	38"	37"	36"
V4YH / V2TH	96"	60"	96"	90"	82"	76"	71"	67"	64"	60"	58"	56"	54"	52"
V6JN	60"	60"	56"	52"	49"	46.5"	44.5"	43"	41.5"	40"	39"	38"	37"	36"
V6JF	60"	120"	60"	60"	60"	60"	60"	60"	60"	54.5"	50"	46"	43"	40"
	96"	60"	96"	96"	96"	96"	96"	96"	96"	96"	96"	96"	96"	96"

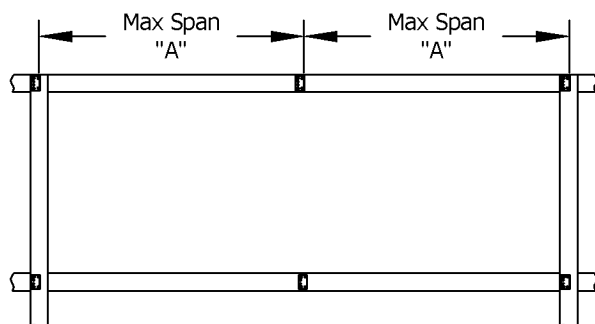
* MAX "B" DOES NOT CHANGE WITH PRESSURE. MULLIONS WILL BE MODIFIED AS REQ'D BY THE MANUFACTURER.

		Wind Load (psf)												
		30	40	50	60	70	80	90	100	110	120	130	140	150
Model	*Max "A"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"	Max "B"
V4YV / V2TV	60"	96"	96"	90"	82"	76"	71"	67"	64"	60"	58"	56"	54"	52"

* MAX "A" DOES NOT CHANGE WITH PRESSURE. MULLIONS WILL BE MODIFIED AS REQ'D BY THE MANUFACTURER.

Verticals & Horizontals

Elevation View
Structural Framing (by others)

Verticals Only

Elevation View
Structural Framing (by others)

