KNIGHT® WALL SYSTEMS

2” PANELRAIL®
PERFORATED CLADDING ATTACHMENT RAIL

APPLICATION

The PanelRail® can be installed vertically or horizontally, however both legs must be secured to the back-up wall. Façade panels may be directly attached, or indirectly attached via secondary rails or clips. Maximum supported weight and wind pressures will vary depending upon the spacing of the rail and type of back-up wall to which they attach.

2” PANELRAIL PROPERTIES

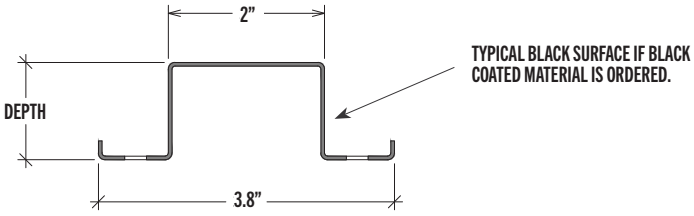
SERIES		75	100	125	150	175
DEPTH		0.75”	1.00”	1.25”	1.50”	1.75”
NET FREE AREA (VENTILATION)		14.70%	22.10%	31.40%	26.20%	22.40%
WEIGHT (LBS/FT)	18-GA	0.78	0.86	0.93	1.01	1.09
	16-GA	1.03	1.13	1.23	1.32	1.42

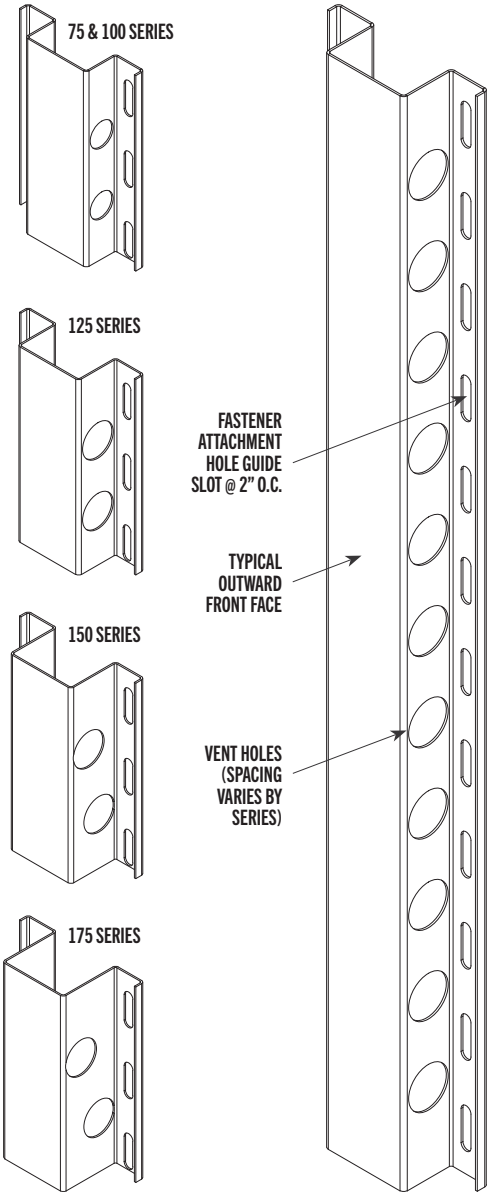
MATERIAL PROPERTIES & OPTIONS

MATERIAL TYPE		ASTM A1046 ZM40 Steel or 304 Stainless Steel*
DESIGN STEEL THICKNESS	18-GA	0.0484 inches
	16-GA	0.0579 inches
MIN. STEEL THICKNESS	18-GA	0.046 inches
	16-GA	0.055 inches
YIELD STRESS, Fy		50 ksi
AVAILABLE FINISHES		Standard Mill or Black PVDF
STANDARD LENGTH		96 inches (75 series is 96 or 120 inches)

Properties are for ZM40 steel products only, contact KWS for stainless steel.
*Asterisk identifies non-standard items - availability & additional cost vary.
All dimensions & weights are nominal.
Black coated components are only coated on one side; opposite side is primed.
Contact KWS to confirm availability - most standard items typically ship within two weeks (quantity dependent).
See system specific guide details for further information on design, detailing and installation.

PRODUCT SPECIFICATIONS





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