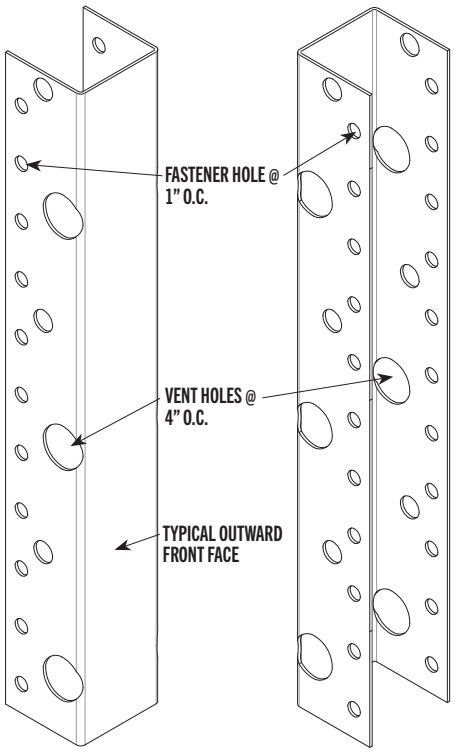
KNIGHT® WALL SYSTEMS

D-RAIL
PERFORATED CLADDING SUPPORT RAIL

APPLICATION

The D-Rail is the secondary component of the MFI® system D-Series, designed to attach directly to the THERMABRACKET® and serve as the structural support for cladding. It features an adjustable rail-to-bracket connection that allows up to 3/4 inch of depth adjustability for aligning and plumbing the cladding plane. When fully nested, the D-Rail creates a 1.50 inch air cavity between the cladding and exterior insulation; when fully extended, the air cavity increases to approximately 2.25 inches. This dynamic adjustability makes the D-Rail ideal for accommodating variations in back-up wall construction. The system is suitable for use on vertical wall surfaces and soffits and must be installed over properly spaced THERMABRACKETS, which can be anchored to steel studs (18-gauge min.), wood studs, CMU, or concrete substrates.



D-RAIL PROPERTIES

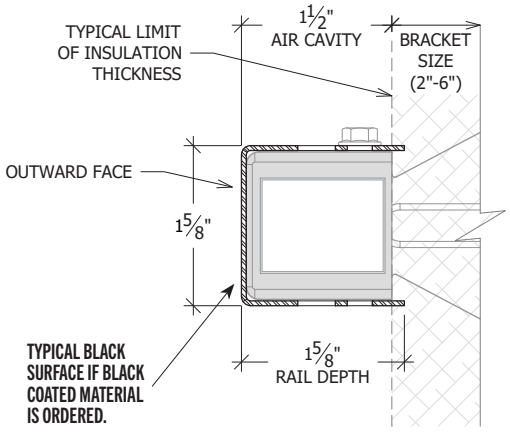
DEPTH	NET FREE AREA (VENTILATION)	WEIGHT (LBS/FT)	
		18 GA	16 GA
1.50"	*14.80%*	*.50*	*.63*

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		*120 inches Standard (96 inches Available)*

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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MADE IN USA