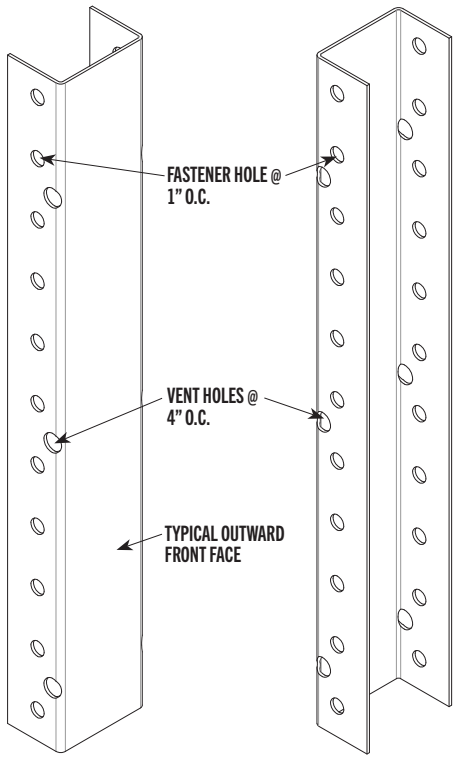
KNIGHT® WALL SYSTEMS

S-RAIL
PERFORATED CLADDING SUPPORT RAIL

APPLICATION

The S-Rail is the secondary component of the MFI® system S-Series, designed to attach directly to the ThermaBracket® and form the structural support for cladding. It creates a consistent air cavity of 0.75 inch between the cladding and exterior insulation. This fixed connection system offers "built-in" adjustability (~1/8 inch) to accommodate field tolerances and is suitable for use on vertical wall surfaces and soffits. The S-Rail must be installed over properly spaced ThermaBrackets, which can be anchored to steel studs (18-gauge min.), wood studs, CMU, or concrete substrates.



S-RAIL PROPERTIES

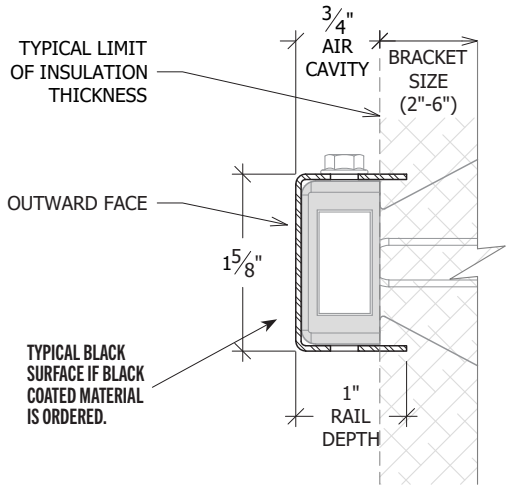
DEPTH	NET FREE AREA (VENTILATION)	WEIGHT (LBS/FT)	
		18 GA	16 GA
0.75"	*10.00%*	*.50*	*.63*

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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