CUSTOMER CHART

36” EM Retro-R® 29 Ga.

Negative Design Loads (psf)

Substrate Profile	Substrate Width	Substrate Gauge	Substrate Fastener	Retro-R Fastener	Substrate Span	Ultimate Load	Design Load
R	36”	29	#12-14x1 SDS	¼-14x7/8 LapTek	5’-0”	**52.00**	**17.33**
R	36”	26	#12-14x1 SDS	¼-14x7/8 LapTek	5’-0”	**72.80**	**24.27**
R	36”	24	#12-14x1 SDS	¼-14x7/8 LapTek	5’-0”	**83.20**	**27.73**
R	36”	22	#12-14x1 SDS	¼-14x7/8 LapTek	5’-0”	**98.80**	**49.40**

Notes:

1) The above loads were derived from uplift tests done in accordance with ASTM E-1592.
4) Design Load contains a 2.00 factor of safety.
5) Highlighted values indicate a fastener failure (FOS=3) all others indicate a panel failure.
6) Lap screw spacing is 18” on center along the laps and 36” on center along the major ribs of the EM Retro-R® panel.
7) The above loads are based on the existing R-panels being in prime condition. If the existing R-panel substrate is not in prime condition the above loads are void.
8) This material is subject to change without notice. Please contact Exceptional® Metals at 1-800-248-0280 for most current data.

Effective Date: July 22, 2004

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the North American Specification for the Design of Cold-Formed Steel Structural Members published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact Exceptional Metals.

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