Quality Metals
ROOF AND WALL SYSTEMS

STANDING SEAM
ROOF SYSTEMS

ML-200

2" MECHANICAL LOCK - 16"

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

24 GAUGE (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.5	3.0	3.5	4.0	4.5	5.0	5.5
SINGLE	LIVE	162.0	135.0	115.7	97.2	76.8	62.2	51.4
2-SPAN	LIVE	162.0	119.2	87.6	67.1	53.0	42.9	35.5
3-SPAN	LIVE	162.0	135.0	109.5	83.8	66.2	53.7	44.3
4-SPAN	LIVE	162.0	135.0	102.2	78.3	61.8	50.1	41.4

NOTES

1.- THE ABOVE LOADS ARE NOT FOR USE WHEN DESIGNING PANELS TO RESIST WIND UPLIFT.
STRENGTH CALCULATIONS BASED ON THE 2012 AISI STANDARD "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"

2.- ALLOWABLE LOADS ARE APPLICABLE FOR UNIFORM LOADING AND SPANS WITHOUT OVERGANGS.

4.- LIVE LOAD CAPACITIES ARE FOR THOSE LOADS THAT PUSH THE PANEL AGAINST ITS SUPPORTS. THE APPLICABLE LIMIT STATES ARE FLEXURE, SHEAR, COMBINED SHEAR AND FLEXURE, WEB CRIPPLING AT END AND INTERIOR SUPPORTS, AND A DEFLECTION LIMIT OF L/80 UNDER STRENGTH-LEVEL LOADS.

5.- PANEL PULLOVER AND SCREW PULLOUT CAPACITY MUST BE CHECKED SEPARATELY USING THE SCREWS EMPLOYED FOR EACH PARTICULAR APPLICATION WHEN UTILIZING THIS LOAD CHART.

6.- THE USE OF ANY FEILD SEAMING EQUIPMENT ACCESSORIES INCLUDING BUT NOT LIMITED TO CLIPS, FASTENERS, AND SUPPORT PLATES OTHER THAN THE PROVIDED BY THE MANUFACTURER MAY (EAVE, BACK UP RAKE, ETC.) DAMAGE PANELS, VOID ALL WARRANTIES ENGINEERING DATA.

7.- THIS MATERIAL IS SUBJECT TO CHANGE WITHOUT NOTICE.

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 Desing 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 job site in order to determine environmental loads. if further information or guidance regarding cold-formed design practices is desired, please contact quality metals.*

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