MBMA

UL LISTED

Alliance STEEL BUILDING SYSTEMS

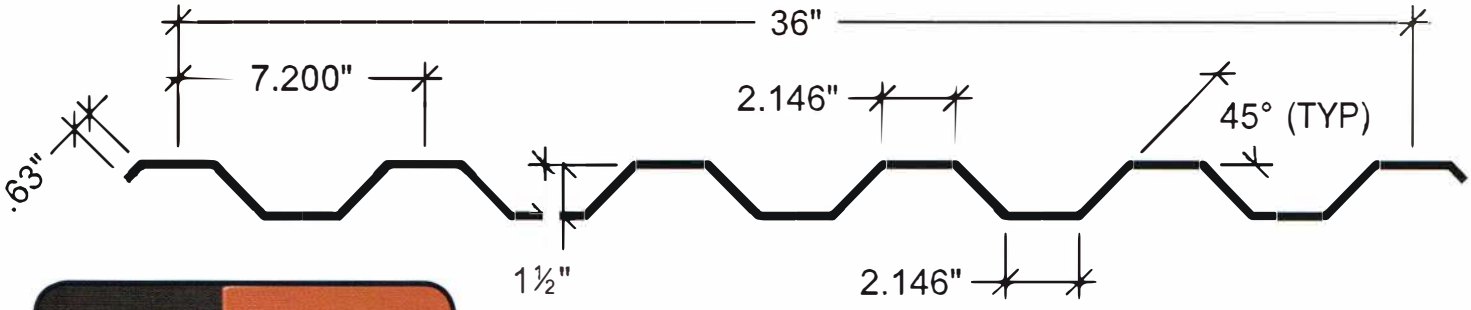
IAS ACCREDITED AC472

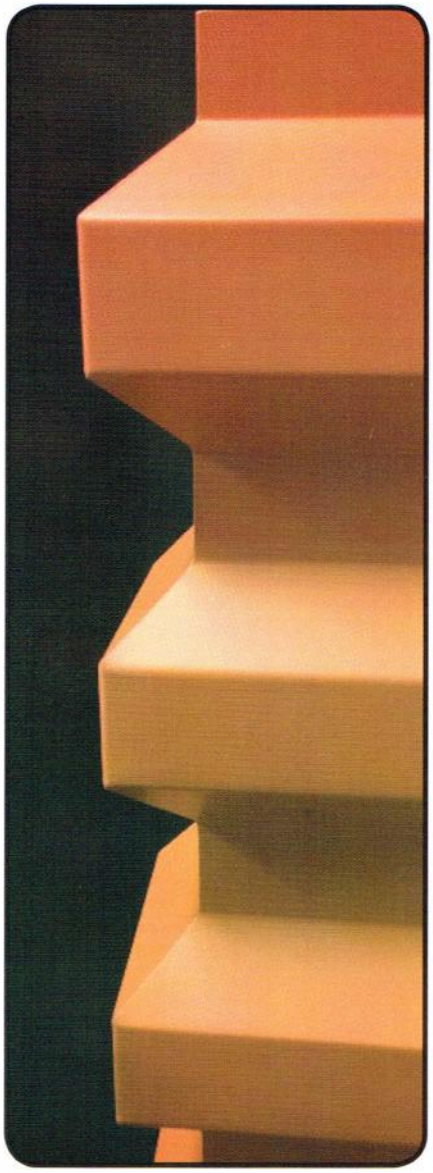
U.S. GREEN BUILDING COUNCIL MEMBER

ENERGY STAR PARTNER

LT 3.3 PANEL

Symmetrically Corrugated 7.2 Rib





- **36” Wide Panel Coverage**
- **Bold Symmetrical Ribs For Dramatic Shadow Effects**
- **Can Be Applied Horizontally Or Vertically**
- **Available Mitered Corners For Continuity Around Edges**
- **Excellent Cladding For Commercial And Industrial Applications**
- **Long Span Capability Saves Money On Structural Framing**
- **UL Class 90 Wind Uplift Rated Over Open Framing**
- **Matching Light Transmitting Panels Are Available**

LT 3.3 PANEL

SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL GAUGE	Fy (KSI)	WEIGHT (PSI)	Ixe (IN. 4/FT.)	Sxe (IN. 3/FT.)	Maxo (KIP-IN.)	Ixe (IN. 4/FT.)	Sxe (IN. 3/FT.)	Maxo (KIP-IN.)
29	60 *	0.66	0.0426	0.0418	1.502	0.0426	0.0418	1.502
26	60 *	0.86	0.0643	0.0680	2.4424	0.0643	0.0680	2.4424
24	50	1.06	0.0918	0.1037	3.1046	0.0918	0.1037	3.1046
22	50	1.36	0.1252	0.1459	4.3671	0.1252	0.1459	4.3671

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2001 edition of the North American Specification For Design of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:

1. All calculations for the properties of LT 3.3 panels are calculated in accordance with the 2001 edition of the North American Specification For Design of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for Bending.
4. Maxo is allowable bending moment.
5. All values are for the one foot of panel width.

LT 3.3

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (Fy=60 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	NEGATIVE WIND LOAD	111.3	62.6	40.1	27.8	20.4	15.6	12.4
	LIVE LOAD/DEFLECTION	82.5	58.2	29.8	17.2	10.9	7.3	5.1
2-SPAN	NEGATIVE WIND LOAD	111.3	62.6	40.1	27.8	20.4	15.6	12.4
	LIVE LOAD/DEFLECTION	76.2	56.0	37.2	26.4	19.6	15.2	12.1
3-SPAN	NEGATIVE WIND LOAD	139.1	78.2	50.1	34.8	25.5	19.6	15.5
	LIVE LOAD/DEFLECTION	86.6	64.9	45.1	32.3	20.5	13.7	9.6
4-SPAN	NEGATIVE WIND LOAD	129.9	73.0	46.7	32.5	23.9	18.3	14.4
	LIVE LOAD/DEFLECTION	83.3	62.54	42.6	30.4	21.7	14.6	10.2

26 Gauge (Fy=60 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	NEGATIVE WIND LOAD	180.9	101.8	65.1	45.2	33.2	25.4	20.1
	LIVE LOAD/DEFLECTION	153.7	87.8	45.0	26.0	16.4	11.0	7.7
2-SPAN	NEGATIVE WIND LOAD	180.9	101.8	65.1	45.2	33.2	25.4	20.1
	LIVE LOAD/DEFLECTION	129.7	97.3	77.8	62.7	39.5	26.4	18.6
3-SPAN	NEGATIVE WIND LOAD	226.1	127.2	81.4	56.5	41.5	31.8	25.1
	LIVE LOAD/DEFLECTION	147.4	110.5	76.8	49.1	30.9	20.7	14.5
4-SPAN	NEGATIVE WIND LOAD	211.2	118.8	76.0	52.8	38.8	29.7	23.5
	LIVE LOAD/DEFLECTION	141.8	106.4	72.1	50.9	32.8	22.0	15.4

24 Gauge (Fy=60 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	NEGATIVE WIND LOAD	230.0	129.4	82.8	57.5	42.2	32.3	25.6
	LIVE LOAD/DEFLECTION	205.0	125.4	64.2	37.1	23.4	15.7	11.0
2-SPAN	NEGATIVE WIND LOAD	230.0	129.4	82.8	57.5	42.2	32.3	25.6
	LIVE LOAD/DEFLECTION	163.1	122.3	81.2	56.7	41.8	32.1	25.4
3-SPAN	NEGATIVE WIND LOAD	287.5	161.7	103.5	71.9	52.8	40.4	31.9
	LIVE LOAD/DEFLECTION	185.4	139.0	100.6	70.1	44.1	29.6	20.8
4-SPAN	NEGATIVE WIND LOAD	268.4	151.0	96.6	67.1	49.3	37.7	29.8
	LIVE LOAD/DEFLECTION	178.4	133.8	94.2	65.9	46.9	31.4	22.0

22 Gauge (Fy=60 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	NEGATIVE WIND LOAD	323.5	182.0	116.5	80.9	59.4	45.5	35.9
	LIVE LOAD/DEFLECTION	323.5	171.0	87.5	50.7	31.9	21.4	15.0
2-SPAN	NEGATIVE WIND LOAD	323.5	182.0	116.5	80.9	59.4	45.5	35.9
	LIVE LOAD/DEFLECTION	305.1	175.9	113.9	79.6	58.7	45.1	35.7
3-SPAN	NEGATIVE WIND LOAD	404.4	227.5	145.6	101.1	74.3	56.9	44.9
	LIVE LOAD/DEFLECTION	300.5	216.5	141.1	98.9	60.2	40.3	28.3
4-SPAN	NEGATIVE WIND LOAD	377.6	212.4	135.9	94.4	69.3	53.1	42.0
	LIVE LOAD/DEFLECTION	289.2	203.4	132.2	92.6	63.9	42.8	30.1

NOTES:

1. Allowable loads are based on uniform span length and Fy = 50 and 60-ksi..
2. LIVE LOAD is limited by bending, shear, combined shear & bending, or web cripping.
3. NEGATIVE WIND LOAD does not contain a 33.333% increase and does not consider fastener pullout or pullover.
4. Above loads consider a maximum deflection ratio of L/180.
5. The weight of panel has not been deducted from the allowable loads.
6. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all 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 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 the manufacturer.

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