

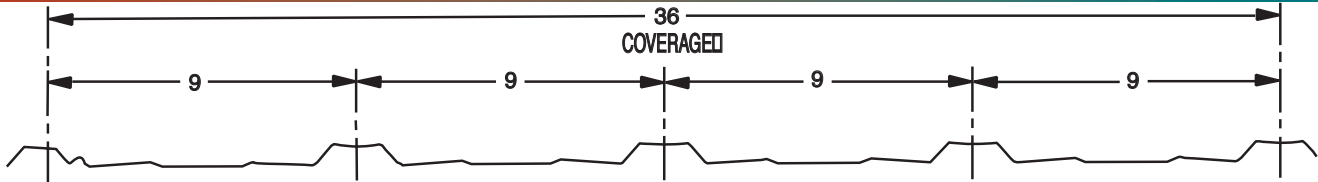
A-PANEL



Northland Steel and Trim

9262 93rd Ave. SE • Fullerton, ND 58441
 (701) 375-4470 • FAX: (701) 375-4471 • Toll Free: 1-888-640-0844

"When you needed it yesterday...Try us today"



A-Panel Detail
36" COVERAGE

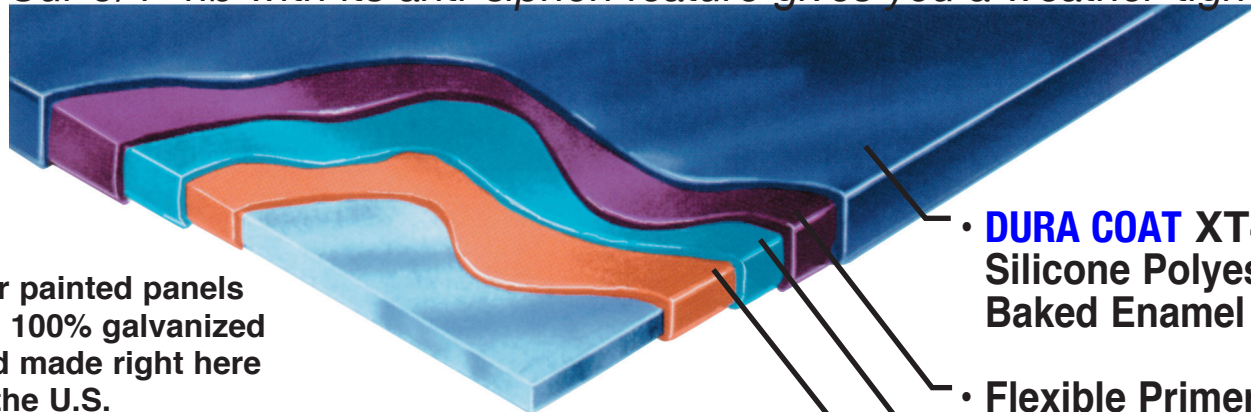
SECTION PROPERTIES																			
TOP IN COMPRESSION					BOTTOM IN COMPRESSION														
PANEL GAUGE	WEIGHT PSF	KY KSI	1X IN ⁴	Se IN ³	Ma KIP IN	1x IN ⁴	Se IN ³	Ma KIP IN											
29	0.71	50	.0093	.015	0.447	.0055	.0123	0.368											
26	0.90	80	.0117	.0188	0.901	.0069	.0155	0.743											
26	0.90	50	.0117	.0188	0.563	.0076	.0161	.0482											
ALLOWABLE LOADS (PSF)*																			
		WIND LOAD					LOVE LOAD (Stress)					LIVE LOAD (Deflection) (IN)							
Panel Gauge	Fy KSI	2'	2'-6	3'	4'	5'	6'	2'	2'-6	3'	4'	5'	6'	2'	2'-6	3'	4'	5'	6'
29	80	158	101	70	36	19	11	118	76	53	27	14	8	.11	.17	.24	.40	.50	.60
29	50	102	65	45	26	16	11	77	49	34	19	12	8	.07	.11	.15	.27	.42	.60
26	80	206	132	92	48	25	14	155	99	69	36	18	11	.11	.17	.24	.40	.50	.60
26	50	134	86	59	33	21	15	100	64	45	25	16	11	.07	.11	.15	.27	.42	.60

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PROTECTION

First, each panel is coated with G90 hot dip galvanize. This heavy zinc coating provides extra protection. Panels are then bonderized and a corrosion resistant primer is applied. This primer supplies flexibility and provides an excellent base for the final coat. XT40[®] silicone polyester supplies strength, hardness, and durability against the effects of the sun, wind, rain, heat and cold. It is extremely resistant to mildew. No blistering, peeling, and flaking either! Each panel has a UI 790 Fire Resistance Rating and UI 2218 Class 4 Impact Resistant.

Our 3/4" rib with its anti-siphon feature gives you a weather-tight seal



Our painted panels are 100% galvanized and made right here in the U.S.

- **DURA COAT XT40** Silicone Polyester Baked Enamel
- Flexible Primer
- Bonderizing Treatment
- Zinc G90-Coating

SERVICE

Job lot quantities can be shipped directly from our factory to you. Each shipment, 1 sheet to 100, is paper wrapped in banded bundles for protection in transit and at the job site. Our custom cut lengths, to the inch up to 60 feet, reduce or eliminate end laps. You get a tighter, stronger, more attractive building.

DURABILITY

Constructed of 29 gauge high tensile steel (to ASTM A792 Grade E, 80,000 minimum yield), our G90 ribbed panels are easy to install, sturdy and weather tight. Resistance to dents, plus minimal expansion/contraction properties make this steel panel an excellent investment providing lasting protection and greater durability that will enhance all types of structural designs.

MANUFACTURED BY NORTHLAND STEEL & TRIM. FULLERTON, ND 58441



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CARE & HANDLING

STORAGE

Galvanized steel sheets have a good service life when exposed to normal weather conditions. However, these same sheets are subject to stain when water sits upon or becomes trapped between the sheets.

If galvanized sheets are to be stored for any period of time, they should be unbundled and stood on end against an interior wall. Metal should be spread or fanned out at their bottom ends to allow for air circulation and should be off the ground on blocks. If storage is to be for a day or two, keep the metal inside in the bundle up off the ground on blocks. **Never** cover the material with plastic as this promotes sweating. Failure to follow these steps may result in wet storage stain and premature white rusting, which the manufacturer cannot be held responsible for.

CUTTING

When using a power saw to cut metal panels several precautions should be taken. Place the bottom (interior) surface of the sheet up and cover with a tarp to protect the top (exterior) surface from the hot metal filings and reduce the chance of damage. When doing the actual cutting, be sure to wear protective eye glasses and do it away from other unused or applied panels. Metal filings may become embedded in the surface of the sheet and if left alone will quickly rust. Be sure to wipe all filings from both surfaces before application.