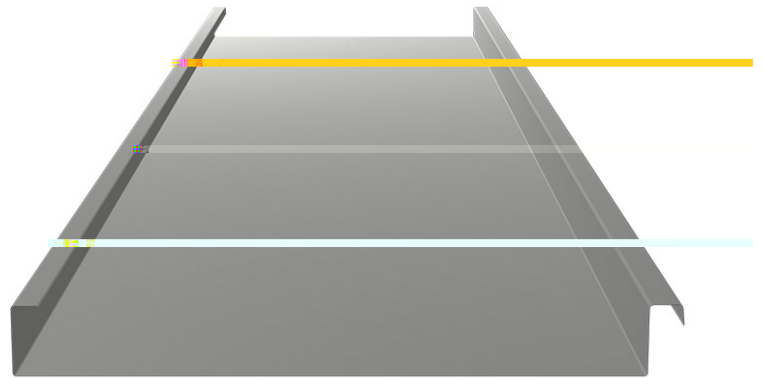


# Nucor Buildings Group Loc Seam Standing Seam Roof Panel

The Loc Seam Standing Seam Roof System is a vertical rib, flat profile, raised seam metal roof designed to float to accommodate thermal expansion and contraction. Available in both 90 degree and 360 degree mechanically rolled seams, it has been extensively tested to ensure the highest level of performance for weathertightness and structural integrity.



## Panel Connection

## Panel Specification

### Panel Capacity <sup>psf</sup>

SPAN ft	90 SEAM - 24 GAGE	
	Gravity	Uplift
2 0	290	75
2 5	192	68
3 0	135	63
3 5	101	59
4 0	78	54
4 5	62	50
5 0	50	45
5 27	45	43

### NOTES

1. Section properties were calculated in accordance with AISI S100/CSA S136, 2016 Edition.
2. Panels were checked for bending, shear, combined bending and shear, and deflection.
3. Deflection is limited to  $\text{Span}/60$ .
4. Uplift loads shown are achieved using the standard panel clip and either the Loc Seam 90 or Loc Seam 360 degree seaming profile noted.
5. Uplift loads shown do not include increases in wind Zones 2 and 3 as allowed by AISI S100.
6. Thermal load has not been considered.
7. Capacities are based on a 3-span condition with equal length spans.
8. "Gravity" load is applied inward on the outer surface towards supports.
9. "Uplift" load is applied outward on the inner surface away from panel supports.