Product Submittal Sheet

Engineering Services: 732-662-6217
Technical Support: 732-662-6220
Sales: 732-662-6200

Super Stud Building Products, Inc.
2960 Woodbridge Ave Edison, NJ 08837
buysuperstud.com

Corrugated Steel Decking

Product Description:

Super Stud's Corrugated steel decking can be used as a concrete pan deck for spans between joists up to 2'-6", or as a floor underlayment for support of tile backer or other flooring materials, or a support of poured gypsum flooring. Our 28-gauge deck is hot-dip galvanized, and compatible with our Super Joist and SuperMAXX Joist and other non-proprietary flooring and roofing products. Available in 30" widths, added material on each side allows for continuous sidelap for use as a floor or roof diaphragm. Available in lengths of 8' or 12'.

Product Attributes:

Material: ASTM A653 steel

Coating: G60 Galvanized

Thickness: Design: 0.0149 inch | Minimum: 0.0140 inch | Gage: 28

Width: 30" nominal width; overall width extends ½ rib each side for sidelap connections

Lengths: available in 8' and 12' lengths

Available in 30" widths and lengths of 8' or 12'

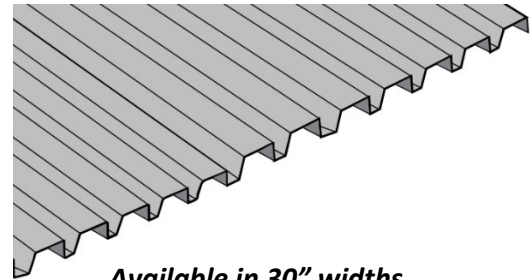**Tolerances:** Panel Length: Plus or minus 1/2 inch.

Thickness: Shall not be less than 95% of the design thickness.

Panel Cover Width: Minus 3/8 inch, plus 3/4 inch.

Panel Camber and/or Sweep: 1/4 inch in 10-foot length.

Panel Ends Out of Square: 1/8 inch per foot.

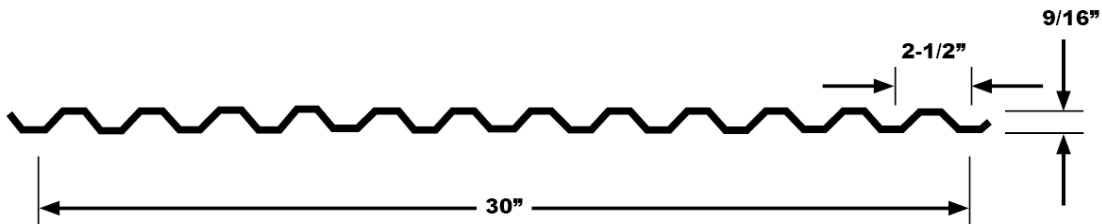*Variation in cover width tolerance may occur due to trucking, storage or handling.*
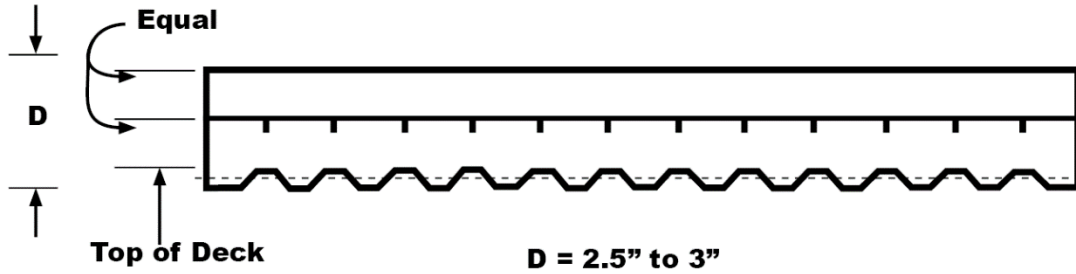
Technical Information:

Section Properties (Per Ft. of Width)

Deck Type	Gauge	Design Thickness (in.)	Wight PSF Galv.	I in.⁴	Sp in.³	Sn in.³
STD	28	0.0149	0.76	0.012	0.036	0.038

Section properties are per foot and calculated in accordance with the American Iron and Steel Institute (AISI) North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100)

9/16"
2-1/2"
30"

Product Submittal Sheet

Engineering Services: 732-662-6217   Super Stud Building Products, Inc.
Technical Support: 732-662-6220   2960 Woodbridge Ave Edison, NJ 08837
Sales: 732-662-6200   buysuperstud.com

Equal

D

Top of Deck

D = 2.5" to 3"

Slab Information

Deck Type	Slab Depth (in.)	Slab Weight PSF	Concrete Volume Ft.³ / Ft.²
STD	2.50	27	.182
	3.00	33	.223

Uniform Total Load – Lbs. per Sq. Ft.

Deck Type	Gauge	Design Criteria	Three Span Condition, Ft.-in.			
			2-0	2-6	3-0	3-6
STD	28	36,000 L/240 L/180	0.76	0.012	0.036	0.038

FORM DECK DESIGN INFORMATION (for the above Uniform Load Table and following Uniform Superimposed Load Table)

1. Form deck section properties are calculated in accordance with the AISI "Specification for the Design of Cold-Formed Steel Structural Members".
2. Load table is calculated using section properties based on the steel design thickness shown on page 3.
3. Multi-Rib loads for three or more spans are calculated in accordance with a moment coefficient of 1/10 and a deflection coefficient of 0.0069.
4. Loads shown in table are uniformly distributed total loads in pounds per square foot. The stress loads are based on a limit of 36 ksi or 20 ksi and the deflection loads are limited to the maximum stress values.

Uniform Superimposed Load – Lbs. per Sq. Ft.

Total Slab Depth, In.	Reinforcement		Type STD	
	Welded Wire Fabric	As in.$_2$	28 Ga.	
			2-0	2-6
2.50	6x6-W1.4XW1.4	0.028*	271	173
	6x6-W2.0XW2.0	0.040*	384	246
	6x6-W2.9XW2.9	0.058	400	351
3.00	6x6-W1.4XW1.4	0.028*	327	209
	6x6-W2.0XW2.0	0.040*	400	296
	6x6-W2.9XW2.9	0.058*	400	400