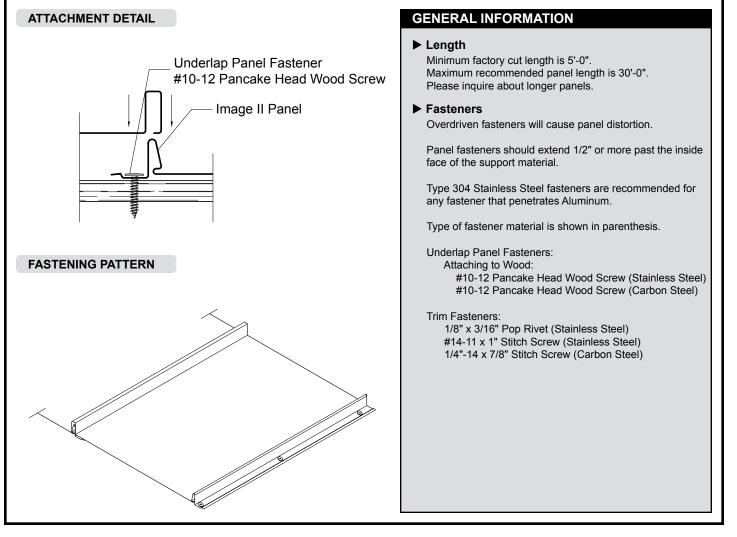


ICC Evaluation Report - ESR-2385

ALUMINUM IMAGE II

Condensed Technical Reference



SECTION PROPERTIES							ALLOWABLE UNIFORM LOADS, psf (3 or More Equal Spans)					
Thick in	Width in	Yield ksi	Weight psf	I in⁴/ft	S _{Top} in³/ft	S _{Bottom} in³/ft	Outward Load					
							0.5'	1'	1.25'	1.5'	1.75'	2'
0.032	12	24	0.62	0.0370	0.0411	0.1963	107	79	64	50	36	22
0.032	16	24	0.57	0.0293	0.0314	0.1754	107	79	64	50	36	22

 Theoretical section properties have been calculated per 2010 Aluminum Design Manual. I, S_{Top} and S_{Bottom} are section properties for deflection and bending.

 Allowable load is calculated in accordance with 2010 Aluminum Design Manual specifications considering bending, shear, combined bending and shear, deflection and uplift load testing per UL 580 over 7/16" OSB. Values at 0.5' and 2' are based on test results. Other values are determined by linear interpolation. Allowable load does not address web crippling or the performance of other fasteners or support materials.

3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.

4. Allowable loads do not include a 1/3 stress increase in uplift.

Anchorage, AK 866.640.7663 Bay City, MI 888.777.7640 Deer Lake, PA 800.544.2577 Denver, CO 800.289.7663 metalsales.us.com

Detroit Lakes, MN 888.594.1394 Fontana, CA 800.782.7953 Fort Smith, AR 877.452.3915 Independence, MO 800.747.0012 Jacksonville, FL 800.394.4419 Jefferson, OH 800.321.5833 Mocksville, NC 800.228.6119 Nashville, TN 800.251.8508 Rock Island, IL 800.747.1206 Rogers, MN 800.328.9316 Seattle, WA 800.431.3470 Sellersburg, IN 800.999.7777 Sioux Falls, SD 888.299.0024 Spokane, WA 800.572.6565 Temple, TX 800.543.4415 Woodland, CA 800.759.6019