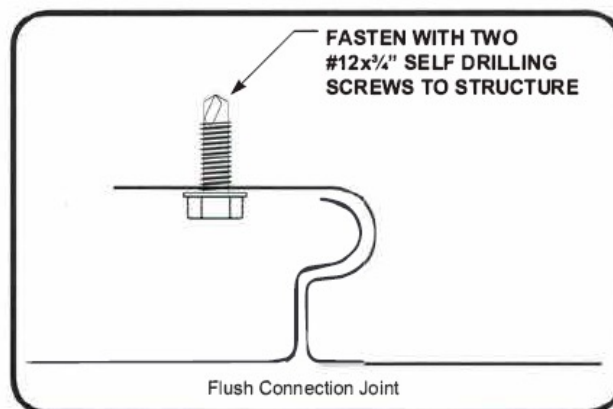
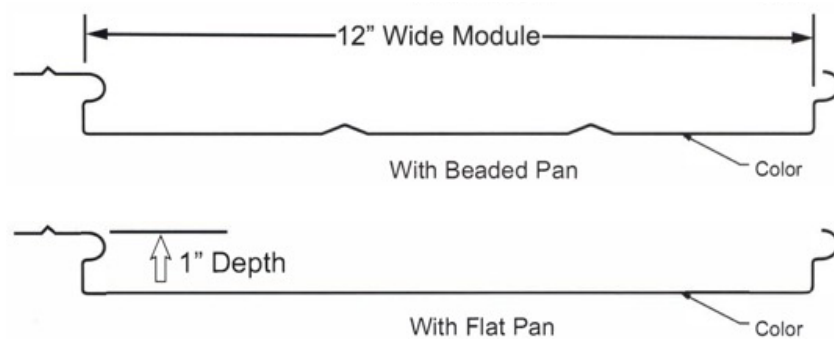


# A-12 PANEL

## FLUSH SEAM SOFFIT PANEL

The A12 is primarily utilized for soffits, however, can be used for fascias and interior liners, The panel is available in either a flat or with stiffener accent beads at 4" on center running parallel to the side lap joinery. The panel features a concealed fastening system and interlocking side lap design. The panel may be supplied in perforated .024 aluminum in either White or Light Stone S-P paint system for areas that require ventilation. The non-perforated A12 steel panel 24-gauge is available in all ASI color offerings of standard colors.



- 12" Low Profile Flush Panel With A Clean Smooth Appearance
- Painted Steel Soffits Need No Painting Nor Maintenance
- Strong Positive Attachment With Concealed Fasteners
- Low Profile Soffit Easily Nests Inside Framing Members
- Unobtrusive Low Gloss Long Life Paint System
- Available With A Smooth Flat Pan Or Two V Beads - NOT RECOMMENDED
- Perforated Aluminum Option Provides 13.5% Open Venting

## SECTION PROPERTIES

PANEL	NEGATIVE BENDING	WEIGHT	NEGATIVE BENDING			POSITIVE BENDING		
	Fy		lxe	Sxe	Maxo	lxe	Sxe	Maxo
GAUGE	(KSI)	(PSI)	(IN. 4/FT.)	(IN. 3/FT.)	(KIP-IN.)	(IN. 4/FT.)	(IN. 3/FT.)	(KIP-IN.)
24	50	1.31	0.0271	0.0309	0.9250	0.0178	0.0296	0.8871
22	50	1.65	0.0374	0.0428	1.2829	0.0252	0.0441	1.3199

### 24 GAUGE (FY=50 KSI)

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	POSITIVE WIND LOAD	194.0	99.4	57.5	36.2	24.3	17.0	12.4
2-SPAN	POSITIVE WIND LOAD	142.9	92.5	64.7	47.7	36.6	29.0	23.5
3-SPAN	POSITIVE WIND LOAD	176.0	114.5	80.30	59.40	45.60	32.10	23.4
4-SPAN	POSITIVE WIND LOAD	165.2	107.3	75.2	55.5	42.7	33.8	24.9

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3-SPAN	POSITIVE WIND LOAD	176.0	114.5	80.30	59.40	45.60	32.10	23.4
4-SPAN	POSITIVE WIND LOAD	165.2	107.3	75.2	55.5	42.7	33.8	24.9

- All calculations for the properties of A12 panels are calculated in accordance with the 1996 edition of the COLD-FORMED STEEL Design Manual, w/ 1999 supplement - published by the American Iron and Steel Institute (AIS1).
- lxe is for deflection determination.
- Sxe is for Bending. Maxo is allowable bending moment.
- All values are for the one foot of panel width.
- Allowable loads are based on uniform span lengths.
- POSITIVE WIND LOAD has been increased by 33.333%
- POSITIVE WIND LOAD is limited by bending, shear, combined shear & bending, or web crippling.
- POSITIVE WIND LOAD is limited by a maximum deflection ratio of L/180 of span.
- Contact Alliance for negative wind load values.