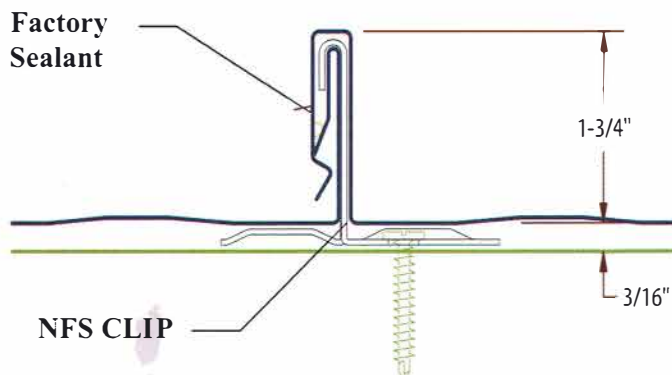
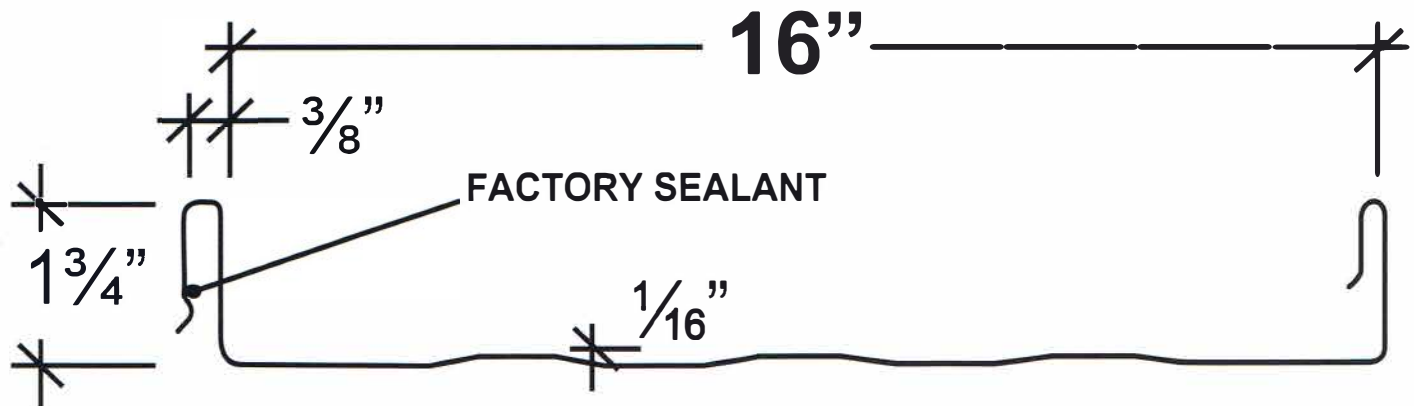




# NFS-16 PANEL

*Narrow Formed Seam Snaplock Panel*

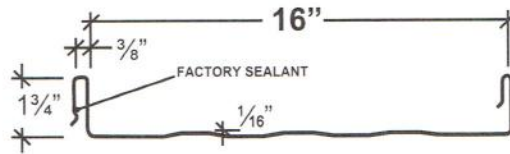


- 16" Or 18" Wide Panel Coverage
- Attractive Thin Seam Snap-Together Design
- No Mechanical Seaming Required
- Ideal For Challenging Hip And Valley Roof Designs
- Factory-Applied Sealant In The Female Rib
- Weathertightness Warranties Are Available
- Striated Surface For Consistent Aesthetic Performance
- UL 580 Class 90 wind Uplift Rated
- UL 790 One-Hour Fire Resistance Rated
- Minimum Roof Slope 3:12
- UL 2218 Class 4 Impact Resistant



# NFS-16 PANEL

NFS-16 SECTION PROPERTIES



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	F <sub>y</sub>	WEIGHT	I <sub>xe</sub>	S <sub>xe</sub>	Maxo	I <sub>xe</sub>	S <sub>xe</sub>	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
24-	50	1.34	0.0353	0.0452	1.3527	0.0758	0.0519	1.5563
22-	50	1.71	0.0500	0.0665	1.9938	0.1052	0.0731	2.1906

NOTES:

1. All calculations for the properties of NFS 16 panels are calculated in accordance with the 2001 edition of the North American Specification for Design of Cold-Formed Steel Structural Members.
2. I<sub>xe</sub> is for deflection determination.
3. S<sub>xe</sub> is for bending.
4. Maxo is allowable bending moment.
5. All values are one foot of panel width.

## UNDERWRITERS LABORATORIES APPROVAL

Construction Number	Panel Width (in.)	Gauge	Clip Type	Clip Spacing	Substrate	UL-2218 Impact Resistance	UL-263 Fire Rating	UL-580 Rating
255	18" max.	24 min.	UL 90	4'-0"	Open Framing	Class 4	Class A	Class 90
303	18" max.	24 min.	UL 90	4'-0"	Composite System	Class 4	Class A	Class 90
342	18" max.	24 min.	UL 90	4'-0"	Composite System	Class 4	Class A	Class 90
343	18" max.	24 min.	UL 90	3'-0"	Plywood	Class 4	Class A	Class 90
414	18" max.	24 min.	UL 90	3'-0"	Plywood	Class 4	Class A	Class 90
436	18" max.	24 min.	UL 90	4'-0"	Plywood	Class 4	Class A	Class 90
446	18" max.	24 min.	UL 90	4'-0"	Open Framing	Class 4	Class A	Class 90
448	18" max.	24 min.	UL 90	4'-0"	Composite System	Class 4	Class A	Class 90
486	18" max.	24 min.	UL 90	4'-0"	Composite System	Class 4	Class A	Class 90
543	18" max.	24 min.	UL 90	5'-0"	Open Framing	Class 4	Class A	Class 90
543	18" max.	24 min.	UL 90	4'-0"	Open Framing	Class 4	Class A	Class 90
544	18" max.	24 min.	UL 90	4'-0"	Composite System	Class 4	Class A	Class 90

NOTES:

1. Wind uplift test procedures are in accordance with Underwriters Laboratories Standard UL-580 under "Tests For Uplift Resistance of Roof Assemblies".
2. A detailed installation method is available for each Construction Number above and can be found in the UL Roofing Materials and Systems Directory. The panels must be installed in a certain manner to achieve the published results.
3. The panel qualifies for a Class A fire rating in compliance with Underwriters Laboratories Standard UL-263.
4. The panel system is listed under following Fire Resistance Design Numbers: P224, P225, P227, P230, P233, P237, P508, P510, P512, P701, P711, P803. Refer to the UL Fire Resistance Directory for specific construction methods and hourly ratings.
5. **Narrow Formed Seam 16** Panels carry a Class 4 rating under UL-2218 "Test Standard For Impact Resistance".

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