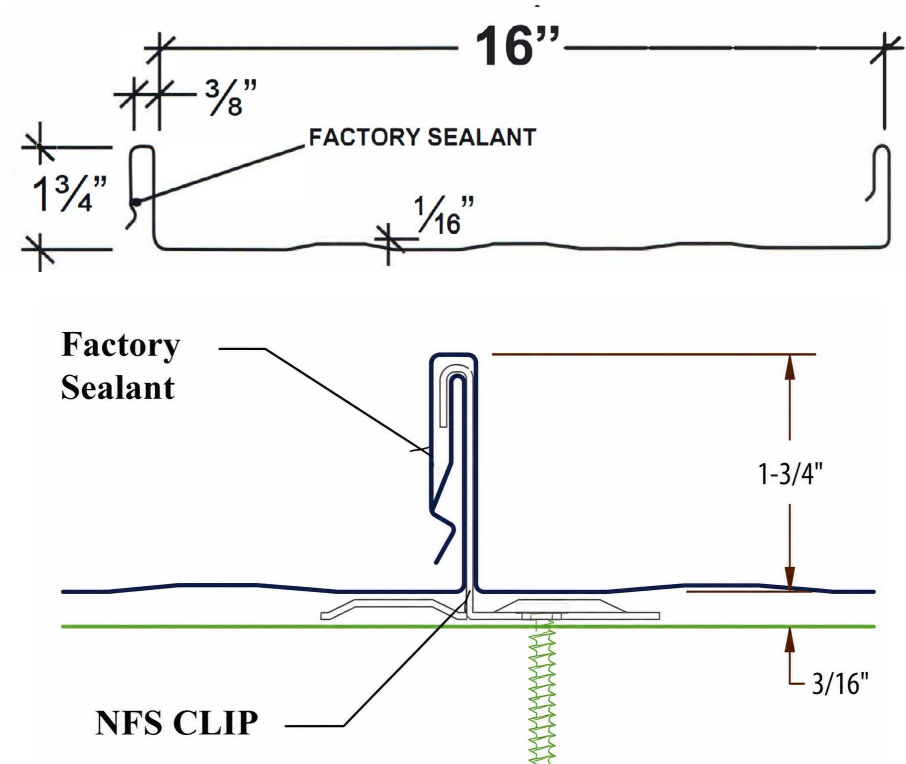


NFS-16 PANEL

Narrow Formed Seam Snaplock Panel

Narrow Formed Seam-16 (NFS-16) panels allow flexibility of design and creativity for the owner and their architect. The panels may be installed over open framing at 4'-0" centers or solid substrates such as wood deck (5/8" minimum) with the UL 90 clips placed at 3'-0" on center. The integral built-in locking leg of the panel design does not require any field seaming of any nature. The ease of installation makes this panel an erector's favorite while the architectural appeal makes it an owner's dream. NFS-16 makes an excellent roof but can also make any fascia stand out. The panel is available in all ASI colors and in several gauges.

- 16" 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



SECTION PROPERTIES

			Negative Bending			Positive Bending		
Panel Gauge	Fy (KSI)	Weight (PSF)	I _{xe} (IN.4/FT.)	S _{xe} (IN.3/FT.)	Maxo (KIP-IN)	I _{xe} (IN.4/FT.)	S _{xe} (IN.3/FT.)	Maxo (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

- Calculations for the properties of NFS-16 panels are performed in accordance with the 2001 edition of the North American Specification for the Design of Cold-Formed Steel Structural Members.
- I_{xe} is for deflection determination.
- S_{xe} is for bending.
- Maxo is the allowable bending moment.
- All values are for 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

- Wind uplift test procedures are in accordance with Underwriters Laboratories Standard UL-580 under "Tests For Uplift Resistance of Roof Assemblies".
- 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.
- The panel qualifies for a Class A fire rating in compliance with Underwriters Laboratories Standard UL-263.
- The panel system is listed under the 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.
- NFS-16 panels carry a Class 4 rating under UL-2218 "Test Standard For Impact Resistance".