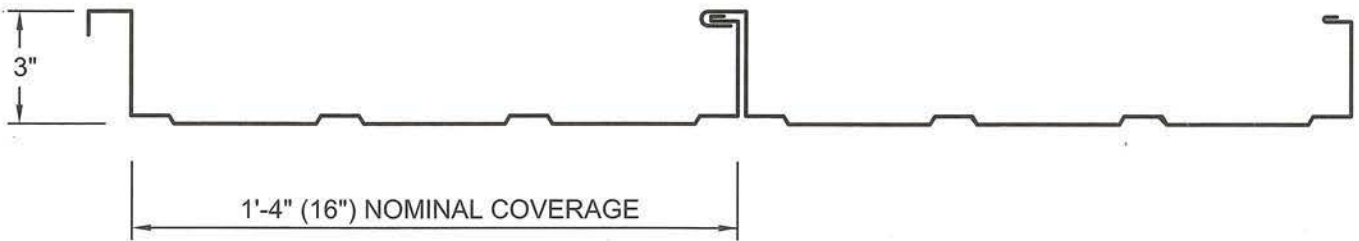
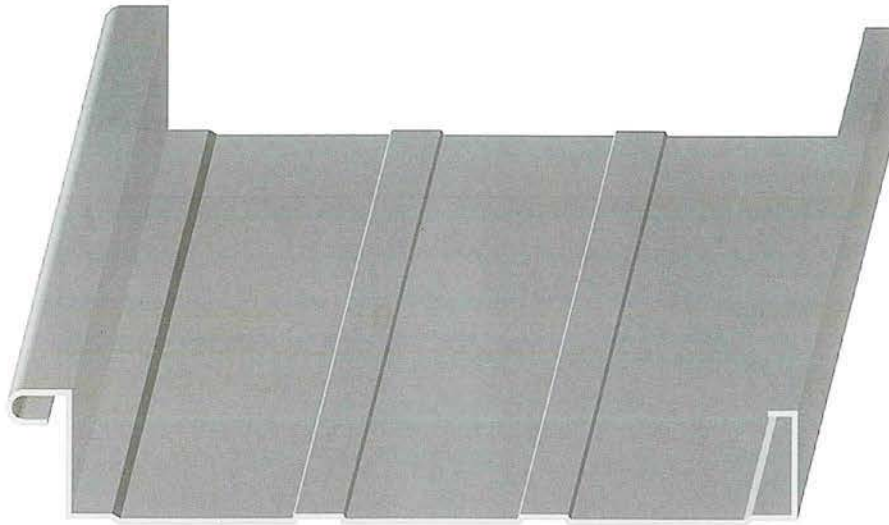


# FLEXOSPAN



### ALLOWABLE UNIFORM LOAD (DEAD + LIVE) LBS. PER SQ. FT.

DEFLECTION LOADS ARE CALCULATED FOR A LIVE LOAD DEFLECTION NOT IN EXCESS OF L/180 OF THE SPAN

SPAN CONDITION	ASTM A446 GRADE	SPAN LENGTH (FT.)												
		GAGE	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
SIMPLE SPAN	D	24	90	81	688	57	49	42	37	32	28	25	22	20
		22	146	120	100	85	73	63	55	48	42	38	34	30
TWO SPAN	D	24	87	74	63	53	46	40	35	31	28	25	22	20
		22	125	104	87	74	64	56	49	43	38	34	31	28
THREE SPAN	D	24	87	79	73	66	57	50	44	39	34	31	28	25
		22	144	129	108	92	80	69	61	54	48	43	39	35

## **FSS-316 STANDING SEAM**

FLEXOSPAN FSS-316 Standing Seam System is simple to install and flash. Because of design, its flat pan will conform to hip, valley, fascia and mansard applications. This straight sided non-trapezoidal panel is best suited for roofs with continuous transition to a mansard. Mechanically seamed side joints insure maximum integrity and watertightness. FSS-316 can be job site manufactured, eliminating endlapping and shipping problems.

# SPECIFICATION DATA SHEET – STANDING SEAM ROOFING PANELS SECTION 07400

## PART 1 GENERAL – MECHANICALLY SEAMED STANDING SEAM ROOFING PANELS

### 1.1 PERFORMANCE AND DESIGN REQUIREMENTS FOR ROOF SYSTEMS

- A. Roof Panels: Steel panels shall be designed in accordance with the AISI Cold-Formed Steel Design Manual and local building codes as applicable.
- B. Framing members and their connections shall be designed in accordance with AISC, AISI, and LGS design specifications and local building codes as applicable.

### 1.2 STORAGE AND HANDLING

- A. Store all material and accessories above ground on well skidded platforms.
- B. Store inside or under breathable waterproof covering. Provide proper ventilation to panels to prevent condensation buildup between each panel. Elevate one end of bundles while being stored.

## PART 2 PRODUCTS – MECHANICALLY SEAMED STANDING SEAM ROOFING PANELS

Materials furnished under this specification data sheet shall be the items checked in the gauge circled.

### A. 07 41 13 Metal Roof Panel:

- FSS-18 Standing Seam Metal Roof Panel - 24, 22 Gauge
- FSS-316 Standing Seam Metal Roof Panel 24, 22, 20 Gauge
- FSS-1.5 Standing Seam Metal Roof Panel 24 Gauge

### Painted Steel with G-90 Galvanizing or Galvalume Coated Panel:

- Vinyl Plastisol (FLEXSHIELD)
- Kynar 500® / Hylar5000® - Fluorocarbon
- Siliconized Polyester

### Color:

- Flexospan Standard Color
- Custom Color - Special ordered with a minimum quantity requirement.

### Unpainted Panel:

- Acrylic-Coated Galvalume Steel
- Stainless Steel – 24 Gauge FSS-18 Panels Only

Insulation shall be Fiberglass-type blanket faced with VRR+ vinyl 2-3/4", 3", 4", 6" \_\_\_\_\_

## PART 3 EXECUTION - MECHANICALLY SEAMED STANDING SEAM ROOFING PANELS

### 3.1 INSTALLATION

- A. Install in accordance with Flexospan's Standard Details. ([www.Flexospan.com](http://www.Flexospan.com))
- B. Accessories:
  - End lap plates shall be provided by the manufacturer.
  - The panel clip shall allow for the thermal expansion of the roof system.
- C. Sealants:
  - Exposed Sealants: Shall be one component silicone based as recommended by panel manufacturer: field applied.
  - Concealed Sealants: Non-curing, non-skinning butyl, polyisobutylene & polybutane tape as recommended by panel manufacturer; field applied. See standard details
  - Sealant: Panels shall be properly sealed at the side and end joints with sealants provided by the manufacturer. Sealant shall be applied over and under the clip as described in the standard details.
- D. Metal Ridge End Closures. Formed metal ridge end closures with butyl tape as supplied by the manufacturer are to be used for all ridge or high-eave conditions on FSS-18 & FSS-316.
- E. Side Laps: Side laps shall be fully seamed, either by hand seaming or with an electric seaming machine, to ensure the integrity of the total roof system.
- F. Appearance: Due to the inherent tolerances of base metal, any flat surface panels have the potential of "oil canning". This will not be a basis for panel rejection.
- G. Remove strippable film immediately upon erection of panels or flashings.



[www.flexospan.com](http://www.flexospan.com)

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