

Roofing Products Text-Only Specification

Use this form to specify the standard roofing panel requirements for your project. It covers the Flexospan Standing Seam series panels: FSS 1.5, FSS 316 and FSS 18. Or, use our convenient, online spec form. For more information or for nonstandard specifications, contact customer service.

1.0 Work Scope

Furnish, or furnish and install the metal roof system designated as

FSS 1.5 FSS 316 FSS 18

with related accessories as outlined in these specifications and drawings, where applicable. Material will be furnished by **Flexospan Steel Buildings, Inc.**, Sandy Lake, Pennsylvania. All other manufacturers shall be approved by the architect prior to the bid date.

2.0 Materials

Materials furnished under this specification shall be as follows:

2.1 The **FSS 1.5** standing seam panel shall be manufactured from 24 gauge and of the following material:

___ Galvalume/Acrylume ___ Painted galvanized ___ Painted finish

2.1a The **FSS 316 or FSS 18** standing seam panel shall be manufactured from:

___ G-90 galvanized, 24 gauge ___ Galvalume/Acrylume, 24 gauge ___ Painted galvanized, 24 gauge
___ G-90 galvanized, 22 gauge ___ Galvalume/Acrylume, 22 gauge ___ Painted galvanized, 22 gauge

2.2 The **panel finish** shall be manufactured from:

___ Kynar500®/Hylar500®-type ___ Flexshield (vinyl plastisol), good both sides ___ Nonstandard finish
___ Siliconized Polyester ___ Unpainted (contact Flexospan for nonstandard finishes)

Color shall be selected from the manufacturer's standards.

2.3 Panel Backside. If finished with Kynar500®/Hylar500®-type or siliconized polyester finishes, the standard panel interior finish is an off-white polyester over primer, 0.5 mil dry-film thickness. Shades may vary slightly from coil to coil. If an exact match is required, material must be specially ordered for the application.

2.4 Base Materials shall have a minimum yield strength of 50,000 psi.

3.0 System Components

3.1 Panel Size. Panel size shall be as follows:

Panel	Specifications
FSS 1.5	Depth of 1.5" and overall coverage of 20", or a nonstandard coverage of _____"
FSS 316	Depth of 3.0" and overall coverage of 16"
FSS 18	Depth of 2 5/8" and overall coverage of 18"

3.2 Panel Length. Factory formed lengths to 40'-0" are standard. Lengths of 40'-0" to 60'-0" are available with special packaging and shipping. Panels greater than 60'-0" are available by field forming. End lap plates are available from the manufacturer.

3.3 Flashing. All flashing shall be manufactured from the same material as the roof panel and shall be designed to allow the panel system to expand.

3.4 Clips. The panel clip shall allow for the thermal expansion of the roof system.

3.5 Sealant. All 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 instructions and standard details.

3.6 Polyethylene Ridge Closures. (FSS 1.5 and FSS 316 only) Closed cell polyethylene ridge closures are required on all ridges and high eave conditions and are to be friction fit and caulked in panned ends of panels per the instructions and standard details.

3.6a Metal Ridge End Closures. (FSS 18 only) Formed metal ridge end closures with butyl tape as supplied by the manufacturer are to be used for all ridge or high-eave conditions.

3.7 Field Panning. The panels (FSS 1.5 and FSS 316 only) shall be field panned in accordance with the instructions and standard details.

3.8 Stiffening Ribs. (FSS 1.5 only) Two stiffening ribs are standard. As an option, these ribs can be removed when the panel is being roll formed. However, be aware that any flat surface panel has a tendency to "oil can". Are stiffening ribs to be removed?

No Yes

4.0 Installation

4.1 Tolerance Requirements. No panels shall be erected if the structural steel does not meet the tolerances of the A.I.S.C. Code, Section 7. It is the responsibility of the contractor to examine this alignment before the panels are erected. The Contractor is responsible for properly installing the roof system and ensuring that all purlins or sub-framing members are properly installed.

4.2 Side Laps. Side laps must be seamed, either by hand seaming or with a seaming machine, to ensure the integrity of the total roof system.

4.3 Accordances. The panels shall be installed in accordance with the drawings or standard details and instructions furnished by the manufacturer.

4.4 Appearance. Due to the inherent tolerances of base metal, any flat surface panels could have some "oil canning". This will not be a basis for panel rejection.

Products and Specifications are Subject to Change without Prior Notice.



Flexospan Steel Buildings, Inc.

P.O. Box 515, 253 Railroad Street, Sandy Lake, PA 16145
Phone: (800) 245-0396 or (724) 376-7221 Fax: (724) 376-3864
Copyright © 2001. All rights reserved.
sales@flexospan.com