

## Skyline Roofing® Guide Specifications

This Guide Specification is to be used to develop an office master specification or specifications for a project. In either case, this Guide Specification must be edited to fit the conditions of use. Particular attention should be given to the deletion of inapplicable provisions. Include necessary items related to a particular project. Include appropriate requirements where blank spaces have been provided.

### SECTION 07411 – Preformed (Manufactured) Roof Panels

Note to Designer: This product is suitable for slopes as low as 3:12. Please consult an ASC Building Products' representative for slope design restrictions.

#### PART 1 – GENERAL

##### **1.01 SECTION INCLUDES**

The work includes, but is not necessarily limited to, furnishing and installation of all [select one] roofing, siding, soffit, mansard, fascia, and accessories as indicated on the drawings and specified herein.

##### **1.02 RELATED SECTIONS**

Edit for project conditions. Section Numbers indicated are those recommended by CSI Masterformat; revise if Numbers differ from those used in project manual.

- A. Structural Steel Supports: Section 05100
- B. Steel Joists: Section 05200 or 05400
- C. Flashing and Sheetmetal: Section 07600

##### **1.03 SUBMITTALS**

###### A. PRODUCT DATA

1. Submit manufacturer's technical product data, installation instructions and recommendations for each type of roofing required. Include data substantiating that materials comply with requirements.

###### B. SAMPLES

1. Prior to ordering products, submit Manufacturer's standard color Samples for Architect's/Engineer's selections.
2. Prior to starting work, submit (quantity) 12" long panel Samples showing shape, and a representative color chip for Architect's/Engineer's acceptance.

###### C. SHOP DRAWINGS

1. Submit complete shop drawings detailing all perimeter flashings and joints in accordance with the manufacturer's standard recommendations.

##### **1.04 QUALITY ASSURANCE**

###### A. INSTALLER'S QUALIFICATIONS

- a. Installation of panels and accessories by installers with a minimum of 5 years experience in panel projects of this nature.

###### B. MANUFACTURER'S QUALIFICATIONS

1. Manufacturer shall have a minimum of 10 years experience supplying metal roofing to the region where the work is to be done.
2. Manufacturer shall provide proof of \$2,000,000 liability insurance for their metal roof system.
3. Panel manufacturers without full supporting product literature, Flashing & Details Guides, Guide Specifications, and Technical Support shall not be considered equal to the specified product.

###### C. REGULATORY AGENCY REQUIREMENTS

1. Comply with UBC and local Building Code requirements if more restrictive than those specified herein.

**D. APPLICABLE STANDARDS**

1. ASTM A792: Specification for steel sheet, aluminum-zinc alloy coated by hot-dip process, general requirements (Zincalume<sup>®</sup>).
2. SMACNA: *Architectural Sheet Metal Manual*, Sheet Metal and Air Conditioning Contractors National Association, Inc.
3. AISI: *Cold Form Steel Design Manual*, American Iron and Steel Institute.

**1.05 PRODUCT DELIVERY, STORAGE AND HANDLING**

- A. Protect against damage and discoloration.
- B. Handle panels with non-marring slings.
- C. Do not bend panels.
- D. Store panels above ground, with one end elevated for drainage.
- E. Protect panels against standing water and condensation between adjacent surfaces.
- F. If panels become wet, immediately separate sheets, wipe dry with clean cloth, and allow to air dry.
- G. Remove any strippable film coating prior to installation and in any case, do not allow the strippable film coating to remain on the panels in extreme heat, cold or in direct sunlight or other UV source.

**1.06 WARRANTY**

- A. Manufacturer's standard coating performance warranty, as available for specified installation and environmental conditions. (Contact an ASC Building Products representative to determine actual warranty criteria.)

**PART 2 – PRODUCTS****2.01 ACCEPTABLE MANUFACTURER**

- A. ASC Building Products Inc., 2110 Enterprise Boulevard, West Sacramento, California 95691-3493, Phone: 916-372-6851, Fax: 916-372-7606.

Manufacturing locations:

2110 Enterprise Boulevard, West Sacramento, California 95691, 800-726-2727

2441 Cinnabar Loop, Anchorage, Alaska, 99507; 800-478-2727

4228 W. 1730 S., Salt Lake City, Utah 84104; 800-441-2477

4063 Salem Industrial Dr. NE, Salem, Oregon 97303; 800-272-7023

4111 East Ferry, Spokane, Washington 99202; 800-776-8771

- B. Panel Designation: Skyline Roofing<sup>®</sup>

**2.02 MATERIALS**

- A. Panel Profile: Skyline Roofing<sup>®</sup> with 1" high integral standing seams at 12" or 16" on center.
- B. Panel Gauge: Steel conforming to ASTM A792, Grade 33, minimum yield 33,000 psi, thickness 26 gauge.
- C. Protective Coating: Zincalume<sup>®</sup> conforming to ASTM-A792 AZ50, thickness 1.6 mils.
- D. Finish: [choose one]:
  - a. DuraTech<sup>™</sup> x/ exterior finish consisting of a baked on acrylic primer (0.2 mil) and a baked-on finish coat (0.8 mil) totaling nominal 1.0 mil dry film thickness with cool ceramic pigments (min. 25% Solar Reflectance Value).
  - b. Zincalume<sup>®</sup> Plus (16" panels only) protective coating
- E. Color: Select from manufacturer's standard selection of not less than 12 colors (for 16" panels) or 5 colors (for 12" panels).
- F. Fabrication:
  1. Unless otherwise shown on drawings or specified herein, fabricate panels in continuous lengths and fabricate flashings and accessories in longest practical lengths.
  2. Roofing panels shall be factory formed. Field-formed panels are not acceptable.
  3. For panels exceeding 40 ft. in length, a clip must be used to allow for expansion and contraction. See installation guide for details.

**PART 3 – EXECUTION****3.01 EXAMINATION**

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## A. EXISTING CONDITIONS

1. Inspect installed work of other trades and verify that such work is complete to a point where this work may continue.
2. Verify that installation may be made in accordance with approved shop drawings and manufacturer's instructions.

**3.02 PREPARATION**

## A. FIELD MEASUREMENTS

1. Verify prior to fabrication.
2. If field measurements differ from drawing dimensions, notify Architect/Engineer prior to fabrication.

## B. PROTECTION

1. Treat, or isolate with protective material, and contacting surfaces of dissimilar materials to prevent electrolytic corrosion.
2. Require workmen who will be walking on Roofing panels to wear clean, soft-soled work shoes that will not pick up stones or other abrasive material which could cause damage or discoloration.
3. Protect Work of other Trades against damage and discoloration.

## C. SURFACE PREPARATION

1. Clean and dry surfaces prior to applying sealant

**3.03 INSTALLATION**

## A. PANELS

1. Follow roof panel manufacturer's directions.
2. Install panel seams vertically.
3. Lap panels away from prevailing wind direction.
4. Secure panels without warp or deflection.
5. Fully engage interlocking seams.
6. Extended roof panels to overlap gutter openings 1 inch.
7. Remove strippable protective film, if used, immediately preceding panel installation.

## B. ALLOWABLE ERECTION TOLERANCE

1. Maximum Alignment Variation: ¼ inch in 40 feet.

## C. FLASHING

1. Follow manufacturer's directions and architect approved Shop Drawings.
2. Overlap roof panels at least 6 inches.
3. Install flashings to allow for thermal movement.

## D. CUTTING AND FITTING

1. Neat, square and true. Torch cutting is prohibited where exposed to final view.
2. Where necessary to saw-cut panels, debur and treat with galvanic paint.

**3.04 CLEAN UP AND CLOSE OUT**

## A. TOUCH-UP

1. Touch-up damaged paint surfaces with air dry touch-up paint provided by manufacturer. Follow directions carefully to minimize color irregularities. Small brush application only. Do not spray touch-up paint.

Note: ASC Building Products does not recommend touch-up painting of damaged surfaces (minor scratches, etc.) due to fading and weathering differences of the touch-up paints in comparison to factory applied paint systems.

## B. CLEANING AND REPAIRING

1. At completion of each day's work and at work completion, sweep Panels, Flashings and Gutters clean. Do not allow fasteners, cuttings, filings or scraps to accumulate.
2. Remove debris from Project Site upon work completion or sooner, if directed.

END OF SECTION

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