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Klondike® Siding Installation Guide

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Introduction

In addition to weather tightness, long life, good looks and economy, ASC Building Products’ Klondike Siding panels are designed with ease of installation as a primary consideration. This guide is intended to help the installer achieve a high level of quality in the finished product.

Manufacturing Locations:
Anchorage, Alaska
2441 Cinnabar Loop
Anchorage, AK 99507

For questions regarding Klondike Siding or the information contained within this installation guide, please do not hesitate to contact an ASC Building Products representative for assistance.

Delivery, Handling and Storage

Always check the shipment upon delivery.
Check for damage and check material quantities against the shipping list. Note any damaged material or shortages at the time of delivery.

Store the panels and other materials in a dry, well ventilated area and away from traffic. Elevate one end of the bundle so that any moisture that may have accumulated during shipping can run off. Be sure that air will be able to circulate freely around the bundles to avoid the build-up of moisture. Never store materials in direct contact with the ground.

Wear clean gloves when handling unpainted ZINCALUME®-coated panels or flashings to avoid discoloration. Rollforming die marks (which appear black), particularly at bends, will be visible.

Important Notice

Be sure to read this manual in its entirety before beginning installation.
This manual is provided to the customers of ASC Building Products as a guide to assist in the installation of Klondike Siding panels. Use for any other purpose is prohibited. This manual remains the property of ASC Building Products.

These instructions contain suggested application procedures only and cannot replace the need for good common sense and experience. Responsibility for conformance to state and local building codes, as well as any other applicable project requirements rests with the installer, as does the responsibility to observe reasonable safety procedures.

ASC Building Products assumes no responsibility for any problems which might arise as a result of improper installation or any personal injury or property damage that may occur with the product’s use.

Safety Considerations

Always wear proper clothing and safety attire.
Wear proper clothing when working with sheet metal in order to minimize the potential for cuts, abrasions, and other injuries. ASC Building Products recommends safety glasses and cut-resistant gloves and sleeves.

Use care when operating electrical and other power equipment.
Observe all manufacturer’s safety recommendations.
Minimum Recommended Tools & Equipment

**Screw Gun:**
Clutch type screw gun with depth locating nose piece allowing variable torque settings is recommended to ensure proper installation of the screws.

**Snips:**
For miscellaneous panel and flashing cutting requirements, three pairs of snips will be required for left edge, right edge, and centerline cuts.

**Electrical Metal Shears:**
Used for general metal cutting.

**Blind Rivet Hand Tool:**
Used for miscellaneous flashing and trim applications.

**Marking Tools:**
Indelible markers, pencils, or scratching tools.

**Scratch Awl:**
Used to mark the steel.

**Utility Knife:**
Used for miscellaneous cutting.

**Electric Drill:**
Used to drill holes such as those required for rivet installation.

**String Line:**
Used for general alignment and measuring.

**Tape Measure:**
25 foot minimum.

**Locking Pliers:**
Standard and “Duckbill” style for miscellaneous clamping and bending of parts.

**Powered Stapler:**
To temporarily attach flashings prior to installing panel/trim screws.

**Chalk Line:**
Used to assist in the alignment of panels, flashings, etc.

**Caulk:**
Butyl or urethane sealant used to inhibit water infiltration.

**Caulking Gun:**
For miscellaneous caulking and sealing to inhibit water infiltration.

**Note:**
Some erectors prefer to use circular power saws with metal cutting or abrasive blades. While the use of power saws may be faster, there are some disadvantages that must be considered:

1. The edges of metal that have been saw cut are jagged, unsightly and are more likely to rust than sheared edges.
2. Saw cutting will leave small particles of metal on the panel surface that will rust and damage the panel finish if not completely removed.
Typical Wall Conditions

- DOUBLE STARTER (DS50) Page 17, 18
- TOP FLASHING (TF50) Page 9
- VERTICAL SPLICE (ZB50) Page 9
- OUTSIDE CORNER (OC2) Page 12
- OUTSIDE CORNER with starter (OC50) Page 13
- DRIP EDGE (B53) Page 19
- BASE TRIM (B5) Page 11
- BASE TRIM (B50-1 Rib, B51-2 Rib) Page 10
- C-METAL (C50) Page 19
- INSIDE CORNER (IC2) Page 15
- INSIDE CORNER with starter (IC50) Page 16
- NOT SHOWN
Klondike® Siding Wall Panels
Installation Guide for Klondike® Siding

Klondike Fastener Placement

7/32 HOLES (OPTIONAL)

TYPICAL FASTENER PLACEMENT
(5 PLACES ACROSS PANEL)

4"

1/4"

36" COVERAGE

Klondike Optional Punching

OPTION 1 - Variable Spacing
DIMENSION
‘A’ TO ‘D’ (ETC) - HOLE LOCATIONS, FROM LEADING EDGE
‘L’ - PANEL LENGTH

OPTION 2 - Uniform Spacing
DIMENSION
‘A’ - HOLE LOCATION FROM LEADING EDGE
‘S’ - HOLE SPACING (REPEATING)
‘B’ - HOLE LOCATION, FROM TRAILING EDGE
‘L’ - PANEL LENGTH

OPTION 3 - Equal Spacing
DIMENSION
‘A’ - HOLE LOCATION FROM LEADING EDGE
‘B’ - HOLE LOCATION, FROM TRAILING EDGE
‘N’ - NUMBER OF EQUAL SPACES BETWEEN ‘A’ AND ‘B’
‘L’ - PANEL LENGTH
### Fastener Selection

<table>
<thead>
<tr>
<th>Fastener Description</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 9 x 1”, 1-1/2”, 2”, 2-1/2”, 3” Wood Screw 1/4” Hex Head</td>
<td>Panel to plywood, OSB, and dimensional lumber</td>
</tr>
<tr>
<td>No. 10 x 1” Low Profile Wood Screw</td>
<td>Panel to plywood, OSB, and dimensional lumber</td>
</tr>
<tr>
<td>No. 12 x 3/4” Stitch Screw 1/4” Hex Head (compatible with No. 9 Wood Screw)</td>
<td>Trim</td>
</tr>
<tr>
<td>No. 14 x 7/8” Lap Self Driller 5/16” Hex Head</td>
<td>Trim</td>
</tr>
<tr>
<td>STST-42 Stainless Steel Rivet 1/8 x 1/8</td>
<td>Trim-to-trim or trim-to-panel attachments</td>
</tr>
<tr>
<td>No. 12 x 1” Self Driller 5/16” Hex Head</td>
<td>Panel to purlin or deck attachments</td>
</tr>
</tbody>
</table>

### Notes
- The table above shows the Klondike Siding panel fasteners provided by ASC Building Products. Refer to the panel installation, flashing details, and fastener placement pages of this manual for specific fastener usage. See page 5 for fastener spacing.
- Panel attachment screws must be long enough to penetrate through the roof decking at least 3/8”, or penetrate solid lumber at least one inch.
- All screws must be coated to provide protection against corrosion.
- Exposed fasteners should have sealing washers and be the same color as the parts they attach.
- Screws must be properly driven to ensure proper seal and holding strength. Do not under drive or overdrive the screws. Recommended drill speed is 2000 rpm. Use of a depth-sensing nosepiece will aid in properly driving screws.

### Proper Installation of Gasketed Fasteners

- ![Correctly Driven](image1)
- ![Under Driven](image2)
- ![Over Driven](image3)
Typical Building Corner

- C-METAL (CSO)
- VAPOR BARRIER
- SUBSTRATE

KLONDIKE SIDING

OUTSIDE CORNER (OC2, OC50)

BASE TRIM (B5)

FOUNDATION

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.
Eave Detail

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.

SINGLE PLY ROOF
(BY OTHERS)

ROOF RETENTION SYSTEM
(BY OTHERS)

TEMPORARY ATTACHMENT TO
POSITION TRIM UNTIL
FASTENERS ARE INSTALLED

SUBSTRATE

VAPOR BARRIER
(NOT SHOWN)

TOP FLASHING
(TF50)

PANEL FASTENER

KLONDIKE SIDING
Vertical Splice

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.
Base Detail

B50 (1 Rib)

B51 (2 Rib)

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.

KLONDIKE SIDING

PANEL FASTENER

SUBSTRATE

VAPOR BARRIER (NOT SHOWN)

BASE TRIM (1 RIB: B50) (2 RIB: B51)
Base Trim

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.
Outside Corner

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.
Outside Corner (with Starter)

OC50

KLONDIKE SIDING

PANEL FASTENER

CORNER TRIM (OC50)

SUBSTRATE

VAPOR BARRIER (NOT SHOWN)
Typical Inside Corner

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.
Inside Corner

NOTE: VERTICAL PANEL
INSTALLATION SHOWN.
HORIZONTAL PANEL
INSTALLATION SIMILAR.
Inside Corner (with Starter)

NOTE: THIS DETAIL APPLIES TO VERTICAL PANEL INSTALLATIONS ONLY.
Double Starter Trim

1 15/16"  3/4" TYP.
2 15/16"  2 15/16"

DS50

TEMPORARY ATTACHMENT TO POSITION TRIM UNTIL FASTENERS ARE INSTALLED IN PANEL

SUBSTRATE

VAPOR BARRIER (NOT SHOWN)

DOUBLE STARTER (DS50)

PANEL FASTENER

KLONDIKE SIDING
Double Starter Trim

SINGLE PLY ROOF
(BY OTHERS)

DOUBLE STARTER
(DS50)

VAPOR BARRIER

SUBSTRATE

BASE TRIM
(B5)

VERTICAL SPLICE
(ZB50)

CUT LAST PANEL TO FIT. FLEX INTO
INTO DOUBLE STARTER TRIM.

NOTE: VERTICAL PANEL
INSTALLATION SHOWN.
HORIZONTAL PANEL
INSTALLATION SIMILAR.

DOUBLE STARTER TRIM
(DS50)
Window

DRIP EDGE (B53)

C-METAL (C50)

GLAZING & WINDOW FRAMES BY OTHERS

KLONDIKE SIDING

SUBSTRATE

VAPOR BARRIER

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.
Window Details (Typical)

### Window Header

Note: Vertical panel installation shown. Horizontal panel installation similar.

### Window Jamb

- **Substrate**
- **Vapor Barrier** (Not shown)
- **C-Metal (C50)**
Door Details (Typical)

Door Header

NOTE: VERTICAL PANEL INSTALLATION SHOWN. HORIZONTAL PANEL INSTALLATION SIMILAR.

Door Jamb

C-METAL (C50)
Manufacturing Facilities:

Anchorage, Alaska
2441 Cinnabar Loop
Anchorage, AK 99507

Corporate Headquarters:

ASC Profiles
2110 Enterprise Boulevard
West Sacramento, CA 95691

Visit us at our website:
www.ascbp.com