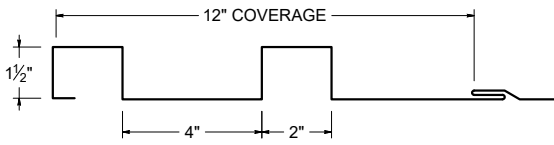




ICC  
EVALUATION  
SERVICE®

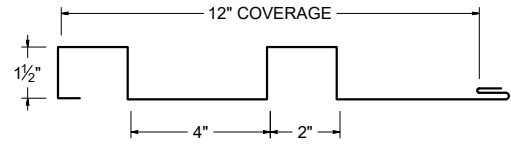
ICC-ES EVALUATION REPORT #5045 with CBC-CRC Supplement (coming 2024)

#### SCREW FLANGE ATTACHMENT



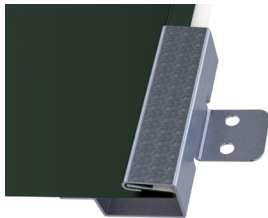
Screw Flange panels in this profile require additional material (drop/waste) and must be slit to a custom size. Inquire for custom pricing and availability.

#### CLIP ATTACHMENT

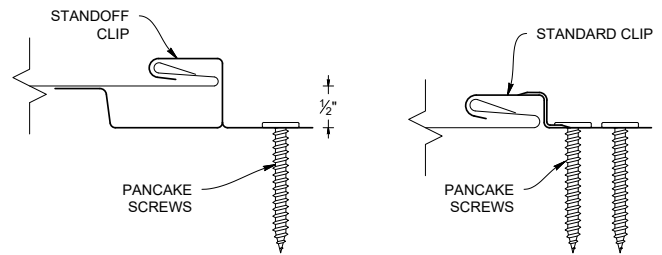
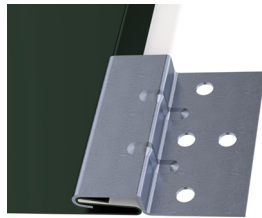


#### PANEL ATTACHMENT CLIP

##### STANDOFF CLIP




##### STANDARD CLIP



#### KEY FEATURES

- 12" panel coverage
- 24 and 22 Tru-Gauge™ and .032" and .040" Aluminum. Screw Flange and Clip attachment available
- Custom 20 & 18 Tru-Gauge™ and .050" and .063" Aluminum. These require the use of high performance clip. (please inquire)
- 2' to 20'10" panel lengths
- Custom profiles available
- Vertical or Horizontal Wall Application
- Acceptable for use as a soffit panel
- Interchangeable panel widths and configurations
- Perforated options available (please inquire)

#### TESTING

-  ICC-ESR #5045 with CBC-CRC Supplement (coming 2024)
- ASTM E331 - Water infiltration (wall)
- ASTM E283 - Air infiltration (wall)
- ASTM E1592 - Structural uniform static air pressure
- ASTM E1680 - Air infiltration (roof)
- ASTM E1646 - Water infiltration (roof)
- ASTM A653/A924 - G90 Galvanized
- ASTM A792 - Zinalume/Galvalume AZ-50/55
- ASTM B209 - Aluminum Substrate

#### WEIGHT CHART

C9-A	TYPE	24 GA STEEL	22 GA STEEL	.032 ALUM	.040 ALUM
THICKNESS		0.0236"	0.0285"	0.032"	0.040"
WEIGHT/LINFT	CLIP ATTACH	1.685 LBS	1.974 LBS	0.798 LBS	0.968 LBS
WEIGHT/LSQFT	CLIP ATTACH	1.685 LBS	1.974 LBS	0.798 LBS	0.968 LBS
WEIGHT/LINFT	SCREW FLANGE	1.830 LBS	2.331 LBS	0.867 LBS	1.143 LBS
WEIGHT/LSQFT	SCREW FLANGE	1.830 LBS	2.331 LBS	0.867 LBS	1.143 LBS

ASTM E 1680/E283 Air Penetration	ASTM E 1646/E331 Water Penetration
12 PSF<0.01 CFM/ft²-PASS	20.5 PSF - Pass
Intertek Test Result L5460.01-901-44 R1	
Intertek Test Result L5461.01-901-44 R1	
STRUCTURAL TESTING ASTM E 1592	

## LOAD CHART WITH PANEL CLIP

1. Theoretical section properties for still panels have been calculated per AISI S100 Specifications for Design of Cold-Formed Steel Structural Members. Intertek L3671.01-301-44 RO
2. Charted Load/Span values are based on ASTM E1592-05, divided by a 2.00 Factor-of-Safety.
3. Minimum recommended substrate (structure) recommendations:
  - A. Open-Framing (i.e. purlins)-16ga (design thickness 0.0566")
  - B. Plywood/OSB-15/32" or thicker is recommended to assure an effective degree of fastener thread engagement.
  - C. METAL DECK - 22ga (design thickness 0.0283")

1. Theoretical section properties for Steel panel shave been calculated per 2020 AISI S100 North America Specifications for the Design of Cold-Formed Steel Structural Member.
2. Allowable loads for Steel panels are calculated in accordance with 2020 AISI S100 specifications considering bending , shear, combined bending and shear and deflection. Allowable load considers a 3 or more equal span condition.
3. When panels are installed over solid or closely fitted sheathing, the capacity is limited to the capacity of the underlying sheathing.

## PANEL ATTACHMENT



### Fastener Notes:

- When possible, lap panels away from prevailing wind direction.
- 15/32" OSB: #10 Burr Buster fasteners.
- 15/32" Plywood: #10 DP Fastener. Screws should be long enough to penetrate through the bottom of the plywood by 3/8".
- Dimensional lumber: #10 DP. Screws should penetrate the lumber 1".
- 16ga (or less) Steel furring: #10 or #12 Fastener with DP-1
- All trim screws used for roof or wall applications should have EPDM sealing washers.

## LOAD CHART WITH PANEL CLIP

1. Theoretical section properties for still panels have been calculated per AISI S100 Specifications for Design of Cold-Formed Steel Structural Members. Intertek L3671.01-301-44 RO
2. Charted Load/Span values are based on ASTM E1592-05, divided by a 2.00 Factor-of-Safety.
3. Minimum recommended substrate (structure) recommendations:
  - A. Open-Framing (i.e. purlins)-16ga (design thickness 0.0566")
  - B. Plywood/OSB-15/32" or thicker is recommended to assure an effective degree of fastener thread engagement.
  - C. METAL DECK - 22ga (design thickness 0.0283")

1. Theoretical section properties for Steel panel shave been calculated per 2020 AISI S100 North America Specifications for the Design of Cold-Formed Steel Structural Member.
2. Allowable loads for Steel panels are calculated in accordance with 2020 AISI S100 specifications considering bending , shear, combined bending and shear and deflection. Allowable load considers a 3 or more equal span condition.
3. When panels are installed over solid or closely fitted sheathing, the capacity is limited to the capacity of the underlying sheathing.

## PANEL ATTACHMENT



### Fastener Notes:

- When possible, lap panels away from prevailing wind direction.
- 15/32" OSB: #10 Burr Buster fasteners.
- 15/32" Plywood: #10 DP Fastener. Screws should be long enough to penetrate through the bottom of the plywood by 3/8".
- Dimensional lumber: #10 DP. Screws should penetrate the lumber 1".
- 16ga (or less) Steel furring: #10 or #12 Fastener with DP-1
- All trim screws used for roof or wall applications should have EPDM sealing washers.