Cold Formed Steel Roof Edge System

**Typical Construction**

- **Structural Support**
  - Light gauge steel components replace heavy steel angles and the innovative base angle design provides structural support for the roof deck.

- **Pressure Treated Wood Blocking**
  - No wood blocking or vented soffits are required, thereby reducing costly and dangerous field labor, eliminates warping, rot and mold.

- **Fasteners**
  - Corrosion of fasteners can severely reduce the strength of roof securement. Screws that come in contact with pressure treated wood were subjected to unusually severe corrosion caused by the chemicals used in lumber.

- **Airflow**
  - Proper ventilation maximizes shingle life and in most instances is required by the roofing manufacturer for warranty issuance. Removes moisture that causes mold and mildew.

- **Trades and Installation**
  - Reduces the number of trades involved, shortens construction cycles, reduces waste. Fewer Trades = Safer Jobsite.

- **Design**
  - Can the design be practically built in the field? Roof Edge should be designed and installed to resist the outward and upwards loads. However, design varies in quality & performance; multiple components required.

- **Cost**
  - Cost for lumber, non-corrosive fasteners, steel angle, finish material and ventilation solution.

ACs, LLC
205.434.4974
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<table>
<thead>
<tr>
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Technical information, drawings and specifications available on our website.

**Eliminate heavy steel angles**
- Provides structural support

**Eliminates wood blocking**
- Provides support for gutter and soffits

**Provides adequate ventilation**
- Venting prevents heat build up, moisture accumulation & ice dams

**Environmentally responsible**
- Steel is 100% recyclable

**The only complete fascia systems there are no equivalents**

“The Steel Deck Institute recommends a barrier of Water and Ice Shield or equivalent be used between pressure treated lumber and steel deck products or accessories.” Adopted by SDI-August 2006

“Avoiding the use of pressure treated wood probably provides the greatest assurance that the design intent will be realized.” - Steel Framing Alliance 2004

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Cold Formed Steel Roof Edge System Design Benefits

- Provides specifiable product that ensures roof edge conditions are properly designed
- Factory made and engineered ensures consistent quality
- Unlimited shapes and profiles to meet design requirements for eave & rake
- Can be installed over virtually any framing member or substrate
- Lower life-cycle costs, reduced maintenance, and lower energy costs

Steel provides straighter and truer framing, resulting in better overall performance
- Steel has proven performance in extreme weather conditions, fires and seismic zones
- Manufacturers 20 year warranty on product and finish
- Designed and field verified to withstand winds of 135 MPH

Note: Red shows typical construction, Blue is CFS Alternative

Materials to Labor Ratio 3:1 compared to traditional of 1:1
Estimated Savings per LF averages over 10%
Typically supplied with either finished or galvanized non-finished cover

Structural vented or non-vented complete fascia system for steep slope roofs

All metal construction weather proof vent
Guarantees required exhaust ventilation

Structural vented or non-vented eave enclosure system for low or steep slope roofs

Materials to Labor Ratio 4:1 compared to traditional of 1:1
Estimated Savings per LF averages over 20%
Engineered to work with all roof deck and roof systems
Cold Formed Steel Roof Edge System Design Benefits

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Typically supplied with either finished or galvanized non-finished cover

Structural Vented or Non-Vented Complete Fascia System for Steep Slope Roofs

Materials to Labor Ratio 4:1 compared to traditional of 1:1
Estimated Savings per LF averages over 20%
Engineered to work with all roof deck and roof systems
Cold Formed Steel Roof Edge System

**Typical Construction**

**Structural Support**

Light gauge steel components replace heavy steel angles and the innovative base angle design provides structural support for the roof deck.

*Multiple heavy bent steel angles are required for structural support, creating more fasteners & field fabrication. Can cause metal deck to turn up (ski-slope) condition at perimeter.*

**Pressure Treated Wood Blocking**

Pressure Treated Wood blocking is required. PTW is highly corrosive to metals and applications are inconsistent, expensive and concern about premature deterioration due to termites and fungal decay.

**Fasteners**

Cold Formed Steel maintains superior pull-out strength for fasteners. Provides support for the attachment of gutters and soffits.

Corrosion of fasteners can severely reduce the strength of roof securement. Screws that come in contact with pressure treated wood were subjected to unusually severe corrosion caused by the chemicals used in lumber.

**Airflow**

The products guarantees proper airflow thereby allowing heat to escape and preventing the roof deck from warming. Proper ventilation maximizes shingle life and in most instances is required by the roofing manufacturer for warranty issuance. Removes moisture that causes mold and mildew.

Results vary depending on construction, no assurances that proper airflow will be provided. Improper ventilation leads to moisture accumulation, ice dams and roof failure.

**Trades and Installation**

Reduces the number of trades involved, shortens construction cycles, reduces waste. Fewer Trades = Safer, Jobite.

Many trades involved causing decentralized responsibility, slow construction and increases safety concerns and liability, also increases job site scrap material.

**Design**

A single factory manufactured & engineered product to serve the needs of multiple products; simple design for easy installation & consistent performance.

Can the design be practically built in the field? Roof Edge should be designed and installed to resist the outward and upwards loads. However, design varies in quality & performance, multiple components required.

**Cost**

One source for structural base, ventilation solution and finish material = SAVINGS!

Cost for lumber, non-corrosive fasteners, steel angle, finish material and ventilation solution.

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