

**Installation Method**  
*of*  
**Rare Manufacturing, Inc.**  
**“Ironwood Shake”**  
**Metal Roof Assembly**  
*for*  
**Florida Product Approval**  
**# FL 7807.1**

**Florida Building Code 2004**

**Method: 1 - D**

**Category: Roofing**

**Sub - Category: Metal Roofing (Non-Structural)**

**Product: *Ironwood Shake (Shingle Panel)***

**Material: *Steel***

**Panel Dimensions: *48” x 12” (Net Coverage)***

**Support Type: *Wood Deck***

**Prepared for:**

**Rare Manufacturing, Inc.**

19154 – 95 A. Avenue

Surrey, British Columbia

Canada V4N 4P2

**Prepared by:**

**James L. Buckner, P.E.**

Florida Professional Engineer # 31242

Florida Evaluation ANE ID: 1916

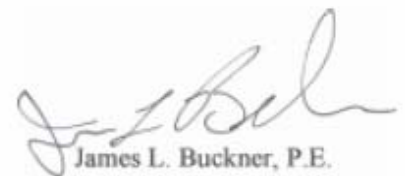
Project Manager: Diana Galloway

Report No. 06-329-Ironwood-48-SW-IM

Date: 10 / 25 / 06

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James L. Buckner, P.E.  
Florida P.E. # 31242

11/10/06



# C-BUCK Engineering

Specialty Structural Engineering

C-Buck, Inc. Florida Certificate of Authorization # 8064

## Evaluated Installation Method

**Evaluated Installation Method:**

**Fastener Description:**

“**Ironwood Shake**” shingle panels shall be through-fastened to the plywood deck with **#8-14** low profile, pan-head, corrosion resistant, woodgrip screws of sufficient length to **penetrate through the deck a minimum of 3/16”** per **ANSI/ASME B18.6.4**

**Attachment:**

Install the “**Ironwood Shake**” shingle panels to plywood deck with fasteners as described in this evaluation report, minimum fastener penetration through deck, 3/16”. Shingle panels shall be through-fastened to the plywood deck spaced **maximum 12” o.c between fasteners**.

**Install system in compliance with the attached installation method.**

**Manufacturer’s Installation Instructions:**

**Refer to the manufacturer’s installation instructions as a supplemental guide for attachment.**

**Evaluation Report:**

Conditions and Limitations of the Evaluation Report apply.

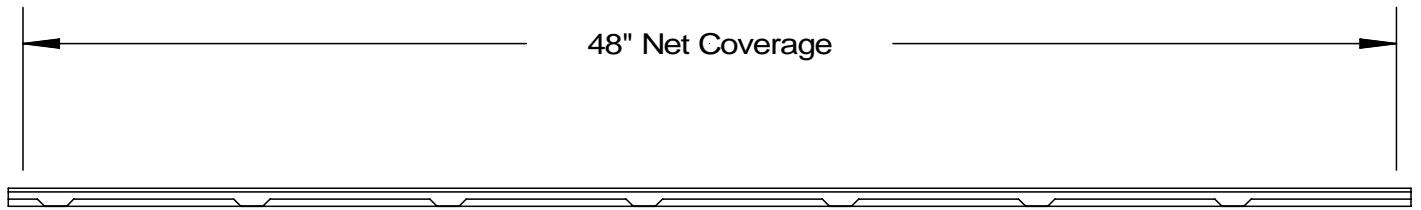
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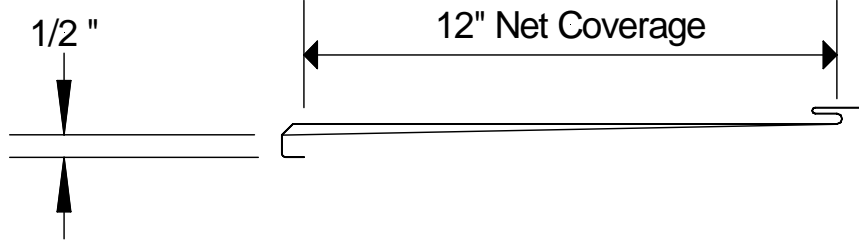
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## Installation Method Rare Manufacturing, Inc. “Ironwood Shake”(Steel Shingle Panel) Attached to Plywood Deck

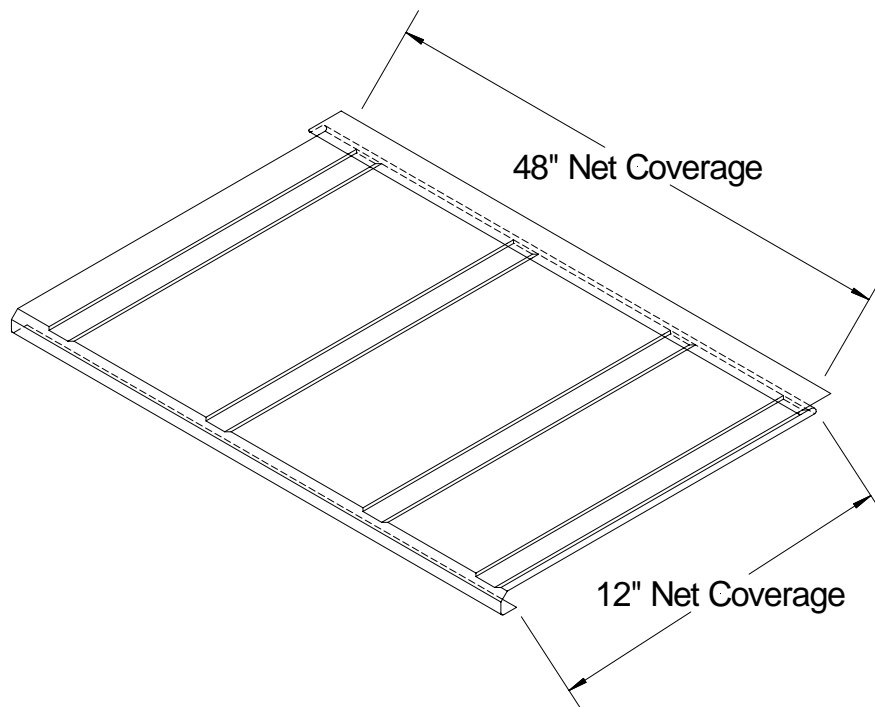
### Profile Drawings



### “Ironwood Shake” Shingle Panel Profile View - Length



### “Ironwood Shake” Shingle Panel Profile View – Width



### “Ironwood Shake” Shingle Panel Isometric View

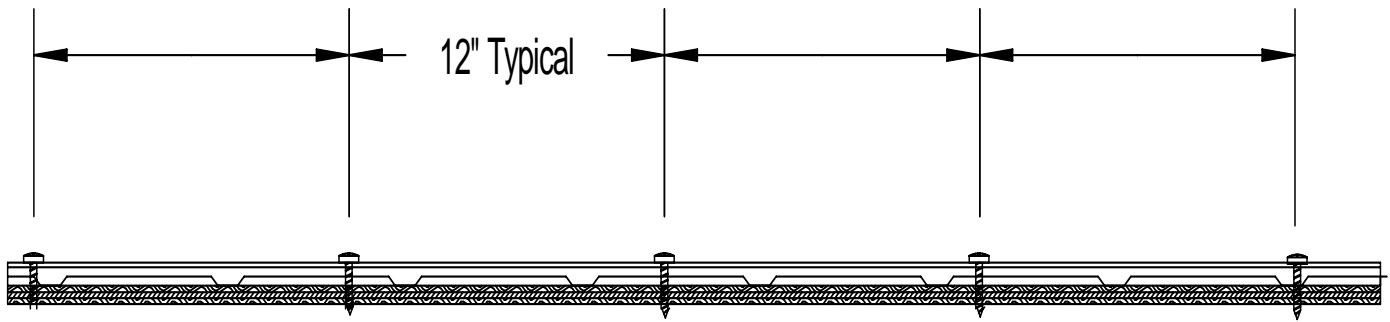
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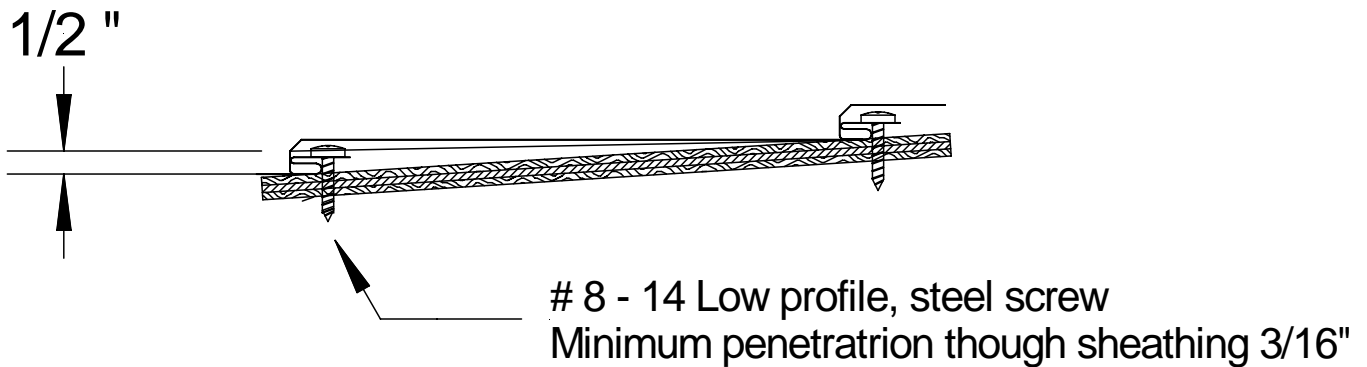
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## Installation Method (Continued) Rare Manufacturing, Inc. “Ironwood Shake”(Steel Shingle Panel) Attached to Plywood Deck

### Assembly Profile Drawings



### Assembly Profile View (Typical Fastening Pattern Along Row – Interior)



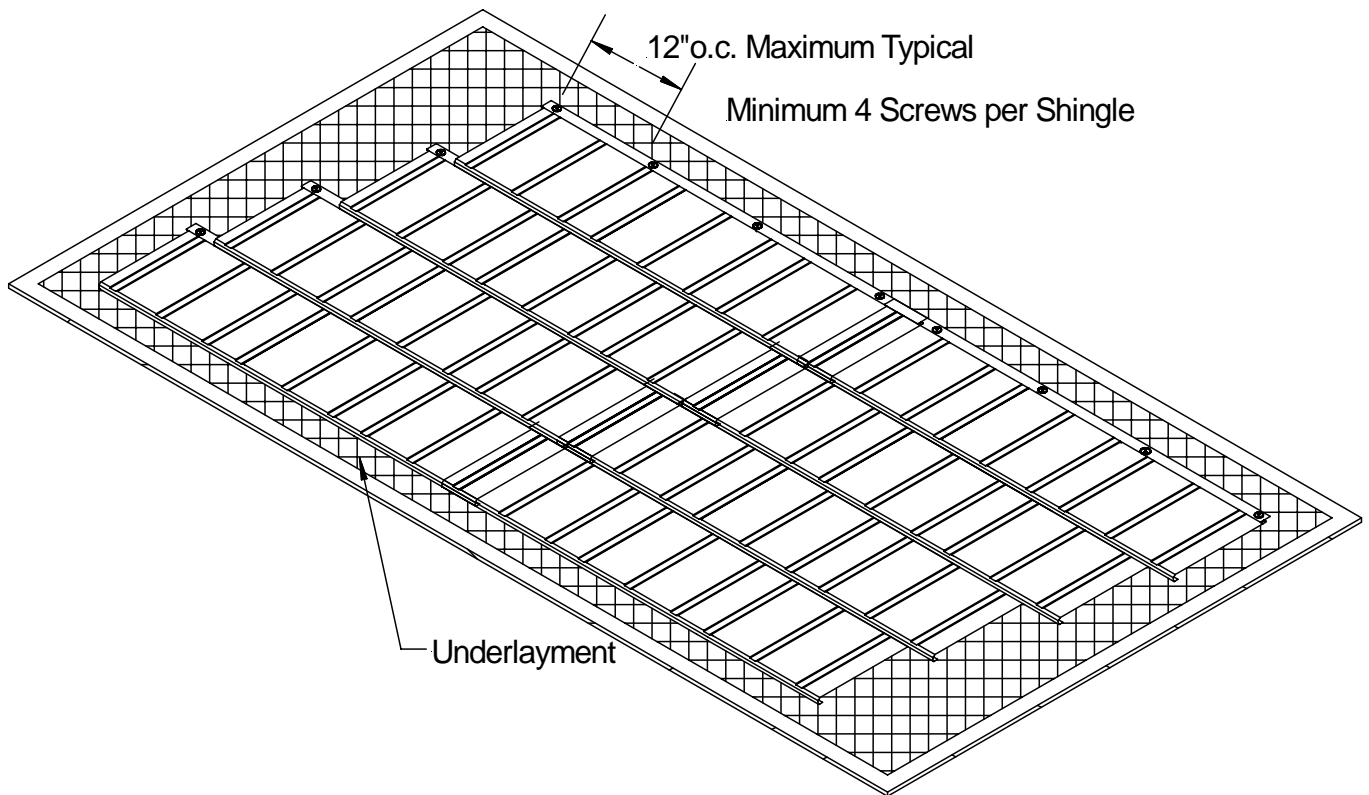
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## Installation Method (Continued) Rare Manufacturing, Inc. “Ironwood Shake”(Steel Shingle Panel) Attached to Plywood Deck

### Assembly Isometric Drawing



Typical Assembly Isometric View