

Evaluation Report

Gooseneck Roof Vent

Manufacturer:

East Coast Metals, Inc.

7905 W 20th Ave
Hialeah, FL 33014
(305) 885-9991

For

Florida Product Approval

FL 41096.1

Florida Building Code 8th Edition (2023)

Per Rule 61G20-3

Method: 2 - B

Category: Roofing

**Sub - Category: Roofing Accessories that are an Integral
Part of the Roof System**

Product Name : *GooseNeck*

Support: *Wood Deck*

Prepared by:

James L. Buckner, P.E., SECB
Florida Professional Engineer # 31242
Florida Evaluation ANE ID: 1916
Report No. 23-596.01-ER8
Date: 8 / 20 / 2023

Contents:

Evaluation Report

Pages 1 – 6

Manufacturer:	East Coast Metals, Inc.
Product Name:	Gooseneck
Product Category:	Roofing
Product Sub-Category	Roofing Accessories that are an Integral part of the Roofing System
Compliance Method:	State Product Approval Rule 61G20-3.005 (2) (b)
Product/System Description:	The Gooseneck is designed to be an efficient roof vent. It is fabricated from 26 ga. steel with an Aluminum Zinc Alloy corrosion resistance coating.
Models:	4" Shingle 4" Tile 6" Shingle 6" Tile 10" Shingle 10" Tile
Product Assembly as Evaluated:	Refer to Page 4 of this report for product assembly components/materials & standards: 1. GooseNeck 2. Fasteners 3. Standard Heavy Mastic Attached to Plywood Deck Support
Support:	Type: Wood Deck (Design of support system is outside the scope of this evaluation) Description: • 15/32" or greater Plywood, • or Wood plank deck (based on minimum density/specific gravity of 0.42)
Structural Rating:	<u>Wind Uplift Structural Resistance</u> <u>Attachment:</u> 4 Ring Shank Nails plus Mastic Design Uplift Pressure -190 PSF Resistance in ASD with a Safety Factor of 2 to 1

- Performance Standards:** The following test protocol was performed to demonstrate compliance with the intent of the code.
- ASTM E330-02 – Modified Standard test method for Structural performance of exterior windows, doors, skylights, and curtain walls by uniform static pressure difference
- Code Compliance:** The product described herein has demonstrated compliance with Florida Building Code 8th Edition (2023), Section 1708.2.
- Evaluation Report Scope:** This product evaluation is limited to compliance with the structural requirements of the Florida Building Code, as related to the scope section to Florida Product Approval Rule 61G20-3.001.
- Limitations and Conditions of Use:**
- Scope of “Limitations and Conditions of Use” for this evaluation:
This evaluation report for “Optional Statewide Approval” contains technical documentation, specifications and installation method(s) which include “Limitations and Conditions of Use” throughout the report in accordance with Rule 61G20-3.005. Per Rule 61G20-3.004, the Florida Building Commission is the authority to approve products under “Optional Statewide Approval”.
 - Option for application outside “Limitations and Conditions of Use”
Rule 61G20-3.005(1)(e) allows engineering analysis for “project specific approval by the local authorities having jurisdiction in accordance with the alternate methods and materials authorized in the Code”. Any modification of the product as evaluated in this report and approved by the Florida Building Commission is outside the scope of this evaluation and will be the responsibility of others.
 - Design of support system is outside the scope of this report.
 - Fire Classification is outside the scope of Rule 61G20-3, and is therefore not included in this evaluation.
 - This evaluation report does not evaluate the use of this product for use in the High Velocity Hurricane Zone code section. (Dade & Broward Counties)
- Quality Assurance:** The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through Architectural Testing, Inc an Intertek Company (FBC Organization #: QUA 1844).

**Components/Materials
(by Manufacturer):**

Gooseneck

Material Type: Steel
Thickness: 26 ga
Corrosion Resistance: In compliance with FBC Section 1507.4.3:
Including Aluminum Zinc Alloy

Model Sizes:

Size: 4", 6", 10",
Refer to Dimensions chart

Fastener(s):

Base Fastener:

Type: Ring Shank nail
Size: 0.120" x 1-1/4" Long
(or 3/16" Min Penetration thru deck)
Corrosion Resistance: Per FBC Section 1506.5
Standard: Per ASTM F 1667

Roof Adhesive:

Type: Standard heavy mastic
Description: Asbestos-free asphalt based roof cement
Application Size: 1/8" thick min. x 2" wide min.
Standard: Per ASTM D 4586 Type I

Installation:

Installation Method:

Install the Gooseneck assembly in compliance with the installation method listed in this report and applicable code sections of FBC 8th Edition (2023). The installation method described herein is in accordance with the scope of this evaluation report. Apply roof cement to the underside, back and side flanges of the ridge vent. Cement should be a 1/8" thick and extend 2" wide minimum. Attach the flanges with ring shank nails in the predrilled holes at each corner.

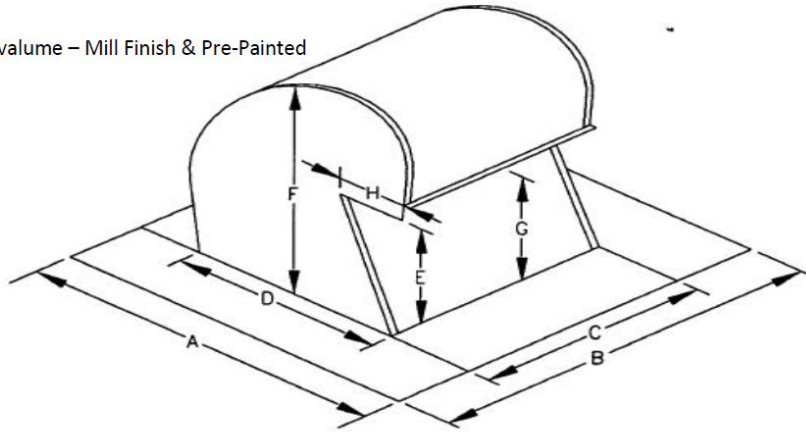
**Evaluation Referenced
Data:**

1. ASTM E330-02 Modified Uniform Static Pressure Test
American Test Lab of South Florida (FBC Organization #TST ID: 3782)
Project No.: 0223.01-22 Report Date: 2 / 25 / 2022
2. Quality Assurance
Architectural Testing, Inc an Intertek Company (QUA ID: 1844)
3. Certification of Independence
By James L. Buckner, P.E. @ CBUCK Engineering
(FBC Organization # ANE 1916)

Installation Method East Coast Metals, Inc. Gooseneck Models Attached to 15/32" minimum thickness Plywood deck

Gooseneck Schematics – East Coast Metals

Material: 26 Gauge Galvalume – Mill Finish & Pre-Painted



Dimensions	Pack	A	B	C	D	E	F	G	H
4" Shingle	12	16"	10.25"	4.5"	10"	5"	8.5"	6.5"	5"
4" Tile	8	16"	10.25"	4.5"	10"	8.5"	12"	9"	5"
6" Shingle	9	16"	12.25"	6.5"	10"	5"	8.5"	6.5"	5"
6" Tile	6	16"	12.25"	6.5"	10"	8.25"	12"	9"	5"
10" Shingle	6	16"	16.25"	10.5"	10"	5"	8.5"	6.5"	5"
10" Tile	4	16"	16.25"	10.5"	10"	8.25"	12"	8.75"	5"