



DIVISION 7 – THERMAL AND MOISTURE PROTECTION
SECTION 07 72 00 – ROOF ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof-field mounted attic ventilation system.

1.2 RELATED SECTIONS

- A. Section 06 10 00 – Rough Carpentry
- B. Section 07 31 00 – Shingles and Shakes
- C. Section 07 32 00 – Roof Tiles

1.3 REFERENCES

- A. ICC ES Legacy Report - 9650A
- B. Miami-Dade County Product Control Notice of Acceptance – Acceptance No. 19-0109.02
- C. Miami-Dade County Product Control Notice of Acceptance – Acceptance No. 19-0104.02
- D. Miami-Dade County Product Control Notice of Acceptance – Acceptance No. 19-0904.05
- E. Miami-Dade County Product Control Notice of Acceptance – Acceptance No. 19-0904.04
- F. Miami-Dade County Product Control Notice of Acceptance – Acceptance No. 20-0902.09
- G. Accepted for use by State of California, Office of the State Fire Marshal, CBC Ch7A, Compliance Policy #09-06.
- H. City of Los Angeles General Approval - Research Report: RR25497.
- I. Texas Department of Insurance – Product Evaluation Report, RV-35.
- J. National Certified Testing Laboratories - Structured Performance Test Report.

- K. Columbia Research and Testing - Inspection Report.
- L. Underwriters Laboratories, Inc. – Results of Flame Test.
- M. Western Fire Center Inc. – Evaluation of the External Fire Resistance Characteristics of Roof Covering Systems in General Accordance with ASTM E108-7a (modified); Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement with ASTM E2886 (modified) Report No. 21005br3

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 33 00
- B. Manufacturer's data sheets on each product to be used, including preparation and installation instructions.
- C. Attic Ventilation Analysis:
 - 1. Product details including schedules showing quantity and location of each type of unit.
 - 2. Indicate configuration and dimension of components, adjacent construction, required clearances and tolerances.
 - 3. Show types, elevations, thickness of metals and full size profiles.

1.5 QUALITY ASSURANCE

- A. Use an adequate number of experienced workers who are thoroughly trained in the necessary skills and familiar with the specified requirements and methods required for proper installation and performance of the work required in this section.
- B. Compliance with attic ventilation requirements should always be verified at the local governing level.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Suitable facilities for storage and protection shall be provided on site by the Contractor. Upon receipt of Product, the Contractor/Installer shall inspect the shipment for damage and ensure the shipment is complete. All O'Hagin vents are stamped with an identifying mark. No substitutions shall be accepted.
- B. Exercise proper care in handling of Product so as not to damage finished surfaces. Protect Product from damage after it is in place.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by Manufacturer for optimum results. Do not install products under environmental conditions outside Manufacturer's absolute limits.

1.8 WARRANTY

- A. Provide Manufacturer's standard written warranty.
- B. Warrant materials and workmanship, per Manufacturer's Limited Warranty, against defects after completion and final acceptance of work.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: O'Hagin, 210 Classic Court, Ste. 100, Rohnert Park, CA 94928. Telephone: 877/324-0444; Fax: 707/872-3630; Email: info@ohagin.com; Website: www.ohagin.com
- B. Acceptable Manufacturer: O'Hagin, 888 Wigwam Parkway, Ste. 100, Henderson, NV 89014. Telephone: 877/324-0444; Fax: 707/872-3630; Email: info@ohagin.com; Website: www.ohagin.com
- C. Acceptable Manufacturer: O'Hagin, 3020 Reynolds Road, Ste. 10-11, Lakeland, FL. 33803. Telephone: 877/324-0444; Fax: 707/872-3630; Email: info@ohagin.com; Website: www.ohagin.com
- D. Acceptable Manufacturer: O'Hagin, 11930 Hamden Place, Santa Fe Springs, CA. 90670. Telephone: 877/324-0444; Fax: 707/872-3630; Email: info@ohagin.com; Website: www.ohagin.com
- E. Substitutions: Not permitted.

2.2 O'HAGIN ATTIC VENTS FOR TILE ROOFS

- A. Type: Galvanized
 - 1. Subflashing (primary vent): 26 gauge, G90 galvanized steel; 1/4" galvanized mesh; optional 1/8" galvanized or stainless steel 1/4" and 1/8" mesh; optional 3-D stainless steel interior matrix; no moving parts or spot welds.
 - 2. Cover (secondary vent): 26 gauge, G90 galvanized steel; 1/4" galvanized mesh; optional 1/8" galvanized or stainless steel 1/4" and 1/8" mesh; optional 3-D stainless steel interior matrix; no moving parts or spot welds.
 - 3. Finish:
 - a. Factory mill finish. Product is field painted by roofing contractor to blend with selected roof tile color.
 - b. Select styles pre-painted in black, brown, charcoal, gray, bronze, terra cotta or white.
 - 4. Acceptable Product: Low Profile (Flat), Medium Profile (M), High Profile (S) for clay or concrete roof tiles.

B. Type: Aluminum

1. Subflashing (primary vent): 26 gauge, G90 galvanized steel; 1/4" stainless steel mesh; optional ~~coarse~~ 3-D stainless steel interior matrix; no moving parts or spot welds.
2. Cover (secondary vent): .032 gauge aluminum; 1/4" stainless steel mesh; optional ~~coarse~~ 3-D stainless steel interior matrix; no moving parts or spot welds.
3. Finish:
 - a. Factory mill finish. Product is field painted by roofing contractor to blend with selected roof tile color.
4. Acceptable Product: Low Profile (Flat), Medium Profile (M), High Profile (S) for clay or concrete roof tiles.

C. Type: Copper

1. Subflashing (primary vent): 16 oz. copper with 1/4" stainless steel mesh; optional 1/8" stainless steel mesh; optional 3-D stainless steel interior matrix; no moving parts or spot welds.
2. Cover (secondary vent): 16 oz. copper with 1/4" stainless steel mesh; optional 1/8" stainless steel mesh; optional 3-D stainless steel interior matrix; no moving parts or spot welds.
3. Finish:
 - a. Factory mill finish.
4. Acceptable Product: Low Profile (Flat), Medium Profile (M), High Profile (S) for clay or concrete roof tiles.

2.3 O'HAGIN'S TAPERED, LOW PROFILE ATTIC VENTS FOR COMPOSITION SHINGLE, SLATE OR SHAKE ROOFS

A. Type: Galvanized

1. 26 gauge, G90 galvanized steel; 1/4" galvanized mesh; optional 1/8" galvanized or stainless steel 1/4" and 1/8" mesh; optional 3-D stainless steel interior matrix; no moving parts or spot welds.
2. Finish:
 - a. Factory mill finish. Product is field painted by roofing contractor to blend with selected roof tile color.
 - b. Pre-painted in black, charcoal, gray, brown, bronze or white.

B. Type: Aluminum

1. .032 gauge aluminum; 1/4" stainless steel mesh; optional 3-D stainless steel interior matrix; no moving parts or spot welds.
2. Finish:
 - a. Factory mill finish. Product is field painted by roofing contractor to blend with selected roof tile color.
 - b. Pre-painted in black, brown or bronze.

C. Type: Copper

1. 16 oz. copper with 1/4" stainless steel mesh; optional 1/8" stainless steel mesh; optional 3-D stainless steel interior matrix; no moving parts or spot welds.
2. Finish:
 - a. Factory mill finish.

2.4 O'HAGIN'S UNIVERSAL DIRECT DECK ATTIC VENT

- A. Type: Galvanized
 - 1. 26 gauge, G90 galvanized steel; 1/4" galvanized mesh; optional 1/8" galvanized or stainless steel 1/4" and 1/8" mesh; no moving parts or spot welds.
 - 2. Finish:
 - a. Factory mill finish. Product is field painted by roofing contractor to blend with selected roof tile color.
- B. Type: Aluminum
 - 1. .032 gauge aluminum; 1/4" stainless steel mesh; no moving parts or spot welds.
 - 2. Finish:
 - a. Factory mill finish. Product is field painted by roofing contractor to blend with selected roof tile color.
- C. Type: Copper
 - 1. 16 oz. copper with 1/4" stainless steel mesh; optional 1/8" stainless steel 1/4" and 1/8" mesh; no moving parts or spot welds.
 - 2. Finish:
 - a. Factory mill finish.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Coordinate as necessary with other trades to assure proper and adequate provision in the work of those trades for interface with the work in this Section.
- B. Install the work of this Section in strict accordance with the Manufacturer's recommendations, anchoring all items firmly into position for long life under harsh conditions, properly sealed against penetration of water.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the Manufacturer for achieving the best result for the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions. Coordinate with installation of roofing system, curbs and flashings to ensure weathertightness.
- B. Locate vents as indicated on Drawings. Ensure openings do not conflict with roof framing members. Accurately cut opening in roof substrate.

3.4 RETROFITTING

- A. When an existing roof lacks proper ventilation, O'Hagin vents are easily installed following manufacturer's recommended installation instructions.

3.5 PAINTING RECOMMENDATIONS

A. All vents may be painted in accordance with manufacturer's recommendations.

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