ICC-ES Evaluation Report

ESR-5554

Issued December 2024

Revised September 2025

Subject to renewal December 2025

This report also contains:

- City of LA Supplement
- CA Supplement w/ DSA and OSHPD
- FL Supplement w/ HVHZ

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DIVISION: 07 00 00 — THERMAL AND MOISTURE PROTECTION Section: 07 72 26 – Ridge Vents	REPORT HOLDER: RFL HOLDCO LLC	EVALUATION SUBJECT: CORONADO S TILE VENT AND CORONADO FLAT TILE VENT	

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024, 2021 and 2018 *International Building Code®* (IBC)
- 2024, 2021 and 2018 *International Residential Code®* (IRC)

Properties evaluated:

- Ventilation of attic spaces
- Weather resistance
- Wind uplift resistance

2.0 USES

The Coronado S Tile Vent and Coronado Flat Tile Vent are intake vents used in conjunction with attic to provide natural ventilation of enclosed attic and rafter spaces beneath concrete and clay roof tiles in accordance with IBC Sections 1202.2 and 1202.2.2 and IRC Section R806.

3.0 DESCRIPTION

3.1 General: The Coronado S Tile Vent and Coronado Flat Tile Vent are two component in-tile intake/exhaust vents comprised of a primary vent (Coronado Primary Vent) and a secondary vent covering. The primary vent and tile vent covers are constructed from 0.0190-inch-thick (0.49 mm) steel conforming to ASTM A792 AZ50, in accordance with IBC Table 1507.4.3(1) and IRC Table R905.10.3(2). The Coronado Primary Vent opening is covered with $^1/_4$-inch corrosion-resistant wire mesh. See Figure 1. The intake air is achieved through the primary vent from the air supply between the tile and the deck. The primary vent is used with both the Coronado S Tile Vent and Coronado Flat Tile Vent.

3.2 Coronado S Tile Vent:

The Coronado S Tile Vent cover is manufactured to look similar to standard clay and concrete “S” roof tiles. See Figure 2.

3.3 Coronado Flat Tile Vent:

The Coronado Flat Tile Vent cover is manufactured to look similar to standard clay and concrete Flat roof tiles. See Figure 3.

3.4 Net Free Ventilation Area:

The net-free ventilation area through the Coronado S Tile Vent, when installed with the Coronado Primary Vent, is 100 square inches (645 cm^2). The net-free ventilation area through the Coronado Flat Tile Vent, when installed with the Coronado Primary Vent, is 100 square inches (645 cm^2).

4.0 DESIGN AND INSTALLATION

4.1 General:

The required ventilation area must be determined, and sufficient ventilation panels must be installed to provide ventilation in accordance with IBC Section 1202.2 and Section 1202.2.2 or IRC Section R806, as applicable. Each vent is marked with the NFVA it provides when installed in accordance with this report.

4.2 Installation:

The Coronado S Tile and Coronado Flat Tile vents must be installed beneath concrete and clay roof tiles where the minimum roof slope is 3:12 (25 percent). The vents are applied over a $22^1/_2$ inch (571.5 mm) wide by $7^1/_2$ inch (190.5 mm) deep opening in the roof deck. The Coronado Primary Vent must be installed into the open and the base must be sealed into place with plastic roof cement or polyurethane caulking in accordance with the manufacturer's published installation instructions. The primary vent must be attached to the roof deck using minimum 1-inch-long (25.4 mm) corrosion resistance roofing nails spaced 3 inches (76.2 mm) on center.

The secondary cover, Coronado S Tile or Coronado Flat Tile, must be installed with standard concrete or clay "S" tiles or flat tiles, respectively. The secondary cover must be installed in the same course where the primary vent is located. The secondary cover must be centered over the Coronado Primary Vent in accordance with the manufacturer's installation instructions. The vents must not be installed 48 inches (1219.2 mm) from valley's, sidewalls and hips.

4.3 Wind Resistance:

Under the 2024 IBC, when installation is in accordance with this report, the Coronado S Tile and Coronado Flat Tile vents are limited to use in areas subject to a maximum basic wind speed of 130 mph (209 km/hr) on structures having a mean roof height of 40 feet (12.2 m) or less in Exposure D areas.

Under the 2021 and 2018 IBC, when installation is in accordance with this report, the Coronado S Tile and Coronado Flat Tile vents are limited to use in areas having a maximum basic wind speed of 130 miles per hour (209 km/h) on structures having a maximum mean roof height of 40 feet (12.2 m) in Exposure D areas.

Under the 2024, 2021 and 2018 IRC, when installation is in accordance with this report, the Coronado S Tile and Coronado Flat Tile vents are limited to use in areas having a maximum ultimate design wind speed of 130 miles per hour (209 km/h), on structures having a maximum mean roof height of 40 feet (12.2 m) in Exposure D areas.

5.0 CONDITIONS OF USE:

The Coronado S Tile Vent and Coronado Flat Tile Vent described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions.

5.1 The vents must be installed in accordance with this report and the report holder's published installation instructions. The report holder's published installation instructions must be available on the jobsite at all times during construction. In the event of conflict between the report holder's published instructions and this report, this report governs.

5.2 The Coronado vents are limited to installation on roofs having a minimum slope of 3:12 (25 percent).

5.3 The vents may be installed on roofs with nonclassified or fire-classified roof coverings.

5.4 The Coronado S Tile Vent and Coronado Flat Vent in take vents are manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Attic Vents (AC132), dated February 2010 (editorially revised November 2024).

7.0 IDENTIFICATION

7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5554) along with the name, registered trademark, or registered logo of the report holder (RFL Holdco LLC) must be included in the product label.

7.2 In addition, the Coronado S Tile Vent and Coronado Flat Tile Vent are identified with the product name and type, the company address, the net free ventilation area and date of manufacture.

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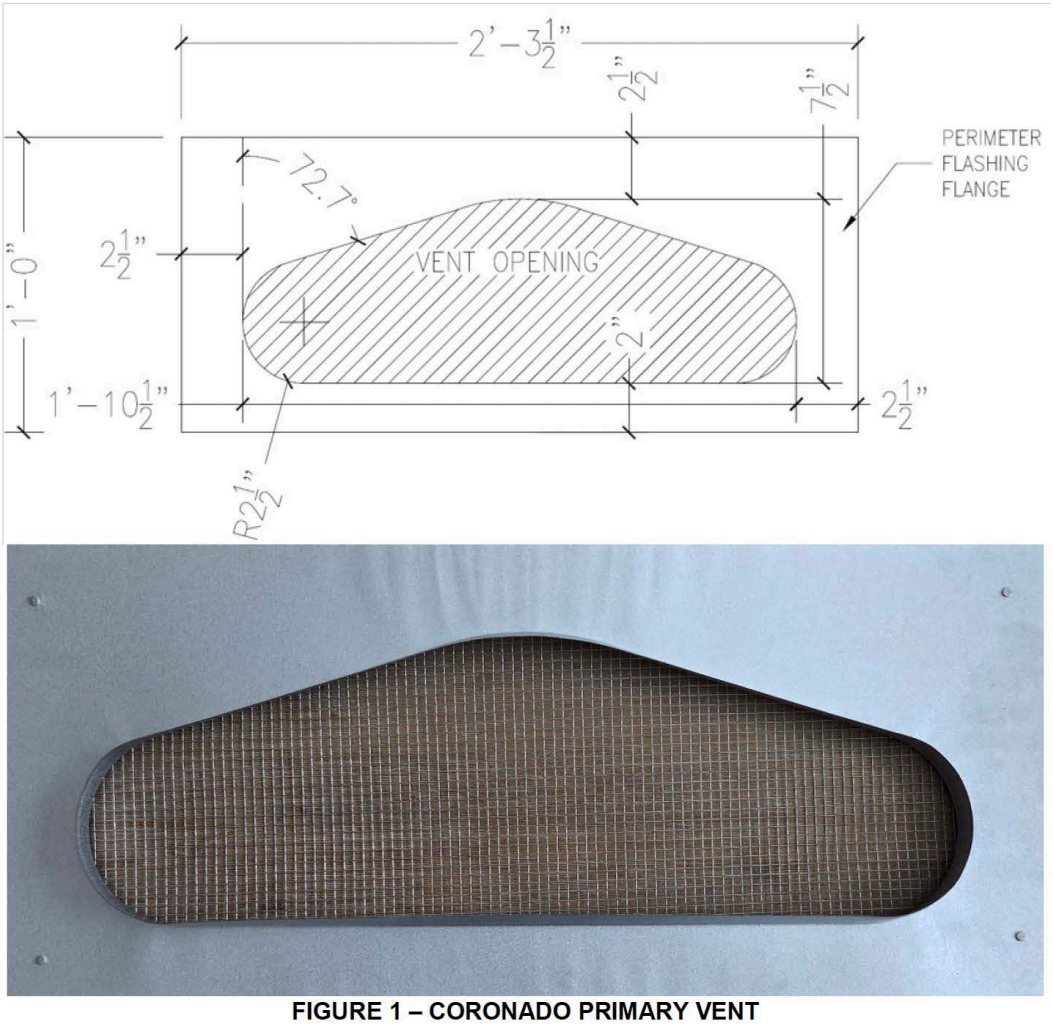


FIGURE 1 – CORONADO PRIMARY VENT

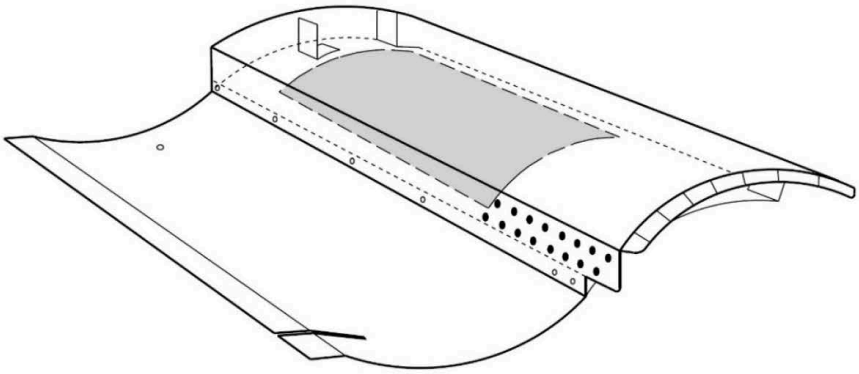
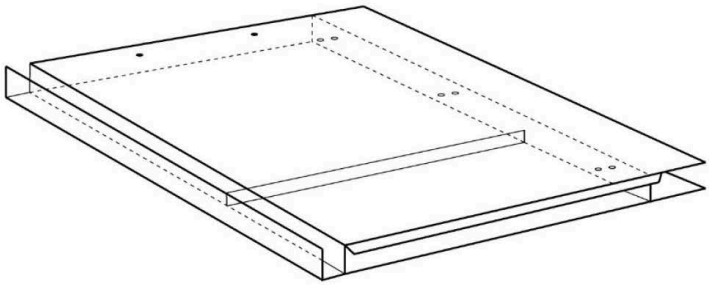


FIGURE 2 – CORONADO S TILE VENT



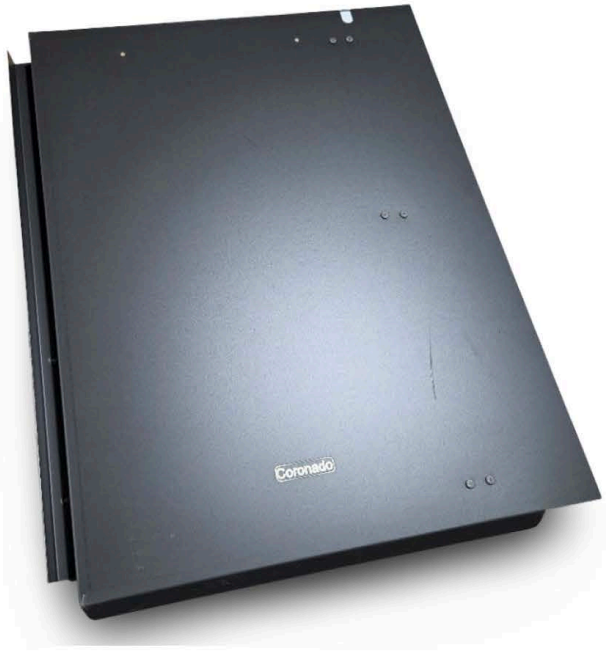


FIGURE 3 – CORONADO FLAT TILE VENT

ICC-ES Evaluation Report

ESR-5554 City of LA Supplement

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 72 26—Ridge Vents

REPORT HOLDER:

RFL HOLDCO LLC

EVALUATION SUBJECT:

CORONADO S TILE VENT AND CORONADO FLAT TILE VENT

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Coronado S Tile Vent and Coronado Flat Tile Vent, described in ICC-ES evaluation report ESR-5554, have also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code editions:

- 2023 *City of Los Angeles Building Code* (LABC)
- 2023 *City of Los Angeles Residential Code* (LARC)

2.0 CONCLUSIONS

The Coronado S Tile Vent and Coronado Flat Tile Vent, described in Sections 2.0 through 7.0 of the evaluation report ESR-5554, comply with the LABC Sections 1202.2 and 1202.2.2, and the LARC Section R806, and are subject to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Coronado S Tile Vent and Coronado Flat Tile Vent described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report ESR-5554.
- The design, installation, conditions of use and identification of the Coronado S Tile Vent and Coronado Flat Tile Vent are in accordance with the 2021 *International Building Code*® (IBC) and 2021 *International Residential Code*® (IRC) provisions, as applicable, noted in the evaluation report ESR-5554.
- The design, installation and inspection are in accordance with additional requirements of LABC Chapter 12 and LARC Section R806, as applicable.

This supplement expires concurrently with the evaluation report, issued December 2024 and revised September 2025.

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REPORT HOLDER:

RFL HOLDCO LLC

EVALUATION SUBJECT:

CORONADO S TILE VENT AND CORONADO FLAT TILE VENT

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Coronado S Tile Vent and Coronado Flat Tile Vent, described in ICC-ES evaluation report ESR-5554, have also been evaluated for compliance with the code*(s)* noted below.

Applicable code edition*(s)*:

- 2022 *California Building Code* (CBC)

For evaluation of applicable Chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architects (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 *California Residential Code* (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Coronado S Tile Vent and Coronado Flat Tile Vent, described in Sections 2.0 through 7.0 of the evaluation report ESR-5554, comply with CBC Sections 1202.2 and 1202.2.2, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 12, as applicable.

The products have not been evaluated under Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

2.1.1 OSHPD:

The Coronado S Tile Vent and Coronado Flat Tile Vent, described in Sections 2.0 through 7.0 of the evaluation report ESR-5554, comply with CBC Sections 1202.2 and 1202.2.2 [OSHPD 1, 1R, 2, 3, 4 and 5], provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements in of Chapter 12, as applicable.

2.1.2 DSA:

The Coronado S Tile Vent and Coronado Flat Tile Vent, described in Sections 2.0 through 7.0 of the evaluation report ESR-5554, comply with CBC Sections 1202.2 and 1202.2.2 [DSA-SS, DSA-SS/CC], provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements in Chapter 12, as applicable.

2.2 CRC:

The Coronado S Tile Vent and Coronado Flat Tile Vent, described in Sections 2.0 through 7.0 of the evaluation report ESR-5554, comply with CRC Chapter 8, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Section R806.

The products have not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the *International Wildland–Urban Interface Code*®.

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ICC-ES Evaluation Report

ESR-5558 FL Supplement w/ HVHZ

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 72 26—Ridge Vents

REPORT HOLDER:

RFL HOLDCO LLC

EVALUATION SUBJECT:

CORONADO S TILE AND CORONADO FLAT TILE VENT

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Coronado S Tile and Coronado Flat Tile Vent, described in ICC-ES evaluation report ESR-5558, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2023 *Florida Building Code—Building*
- 2023 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The Coronado S Tile and Coronado Flat Tile Vent, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-5558, comply with the *Florida Building Code-Building* and the *Florida Building Code-Residential.* The design requirements shall be determined in accordance with the *Florida Building Code-Building* or the *Florida Building Code-Residential,* as applicable. The installation requirements noted in ICC-ES evaluation report ESR-5558 for the 2021 *International Building Code®* meet the requirements of the *Florida Building Code-Building* or the *Florida Building Code-Residential.*

Use of the Coronado S Tile and Coronado Flat Tile Vent has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code-Building* or the *Florida Building Code-Residential*.

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

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TABLE A: REFERENCE TABLE FOR DRAWING DETAILS

TYPE	MINIMUM SPECIFICATION	DETAILS
VALLEY FLASHING	NO. 26 GAUGE GALVANIZED SHEET NOT LESS THAN 0.019" ASTM A653 G90 Coronado Vents Meets 26G TRI Requirements	MC-12B, MC-17, MC-17A, MC-17B
PAN FLASHING CHANNEL FLASHING WALL TRAYS FLASHING		MC-12, MC-12A, MC-12B, MC-13, MC-13A
HEADWALL FLASHING ROOF TO WALL FLASHING APRON FLASHING		MC-11, MC-11A
ROOF TO WALL FLASHING Z BAR FLASHING		MC-11, MC-11A
DRIP EDGE FLASHING EAVE FLASHING		MC-10, MC-10A, MC-10B, MC-10C, MC-10D
RAKE FLASHING		MC-12B, MC-19, MC-19A
CHIMNEY FLASHING SKYLIGHT FLASHING SADDLE FLASHING		MC-14, MC-14A, MC-15, MC-15A, MC-16A, MC-16B
PIPE FLASHING DECK FLASHING		MC-02, MC-21
ROOF VENTS ATTIC VENTS		MC-21
MALLEABLE FLASHING	SOFT LEAD NOT LESS THAN 2.5 LBS / SQ.FT DEAD SOFT ALUMINUM NOT LESS THAN 0.019" SOFT COPPER NOT LESS THAN 16 OZ/SQ.FT...or Decay corrosion resistant water proof materials designed for exposure to elements.	MC-02, MC-15A, MC16B, MC-17D, MC-11, MC-11A

Note: The flashing specifications stated in Table A are considered minimum requirements. For other materials, see IBC Tables 1507.4.3(1) and 1507.4.3(2) or IRC Tables R905.10.3(1) and R907.10.3(2), as applicable.

TABLE B: ACCESSORIES

TYPE	SPECIFICATION	DETAILS
BIRD-STOP	PER MANUFACTURER	MC-10A, MC-10B, MC-10C, MC-23, MC-25
EAVE RISER		MC-10, MC-10B
WEATHER BLOCKING		MC-18, MC-18A, MC-18C

Drawing shown depicts the application of all tile profiles. Unless otherwise noted, it would apply to either concrete or clay tiles.