<table>
<thead>
<tr>
<th>Color Code</th>
<th>Qty.</th>
<th>Model #</th>
<th>Description</th>
<th>Finish</th>
<th>Flood Coverage</th>
<th>Air Ventilation</th>
<th>R.O.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FVT</td>
<td>4</td>
<td>1540-510</td>
<td>Dual Function SMART VENT - Single</td>
<td>See Paint Options</td>
<td>200 sq. ft.</td>
<td>51 sq. in.</td>
<td>16.25-in. x 8.25-in.</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td></td>
<td>HurriBond™ Caulking &amp; Adhesive</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Flood Coverage: 800 SF

Comments: Vents are also available in pour in place bucks. Assessment done by Bruce Beitel.

Additional Information:

- This is a recommended assessment by Smart Vent’s Plans Division. The selected wall placement of vents is to identify areas and not the specific location that the vents need to be. The exact location on an identified wall is entirely up to the design professional and structural team.

- Our Smart Vent models are certified through the International Code Council’s Evaluation Service (ICC-ES) to provide 200 sq. ft. of flood protection per single engineered opening. Higher coverages are provided for stacked or multi-frame units.

- For compliance, Smart Vent’s need to be placed on at least two different walls per enclosure and the bottom of each vent must be installed within 12 inches of the highest adjacent grade, whether internal or external, immediately under each opening. The entire portion of the flood vent must be below the Base Flood Elevation (BFE).

- Use Flood Vent Sealing kits with insulated flood vents to meet 2018 energy codes.

- Online Product Catalog: https://smartvent.com/products
Engineered Flood Vents
SMART VENT PRODUCTS, INC.

Flood vents protect enclosures by allowing automatic bi-directional water flow that equalizes hydrostatic pressure.

Applications
Crawlspaces | Full Height Enclosures | Parking Garages | Storage Facilities | Foyers

Insulated 1540-520 in Stainless Steel
Dual-Function Stacker 1540-511 in Powder Coat White
Insulated Wood Wall 1540-570 in Stainless Steel
### Dual-Function

**Standard Dual-Function**
1540-510 + 1540-511

Automatic ventilation. A bi-metal coil opens + closes the louver as the temperature changes. Stacker models are ideal for large square footages with less openings.

**Garage Door Model**
1540-524 + 1540-574

Designed for garage doors or heavily trafficked entry doors. Available in insulated or dual-function models.

### Insulated

**Standard Insulated**
1540-520 + 1540-521

Ideal for areas requiring flood venting protection but not natural air ventilation. Stacker models are ideal for large square footages with less openings.

**Insulated Wood Wall**
1540-570

Designed to fit between studs spaced 16" on center. Pre-drilled slots in the four corners of the vent flange make for easy installation.

### FEATURES

- **Stainless Steel**
  - 316L Marine Grade

- **15 Guaran ted**
  - 15-Year Extended Warranty

- **USA**
  - American Made

- **Secure**
  - Internal Floats
  - Keep Door Latched

- **Support**
  - In-House Engineering + Design Assistance

- **Certified**
  - Flood Protection

### Table

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FLOOD COVERAGE</th>
<th>AIR VENTILATION</th>
<th>DIMENSIONS</th>
<th>ROUGH OPENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1540-510</td>
<td>200 sq ft</td>
<td>51 sq in</td>
<td>16&quot;W x 8&quot;H x 3&quot;D</td>
<td>16¼&quot; x 8¼&quot;</td>
</tr>
<tr>
<td>1540-511</td>
<td>400 sq ft</td>
<td>102 sq in</td>
<td>16&quot;W x 16&quot;H x 3&quot;D</td>
<td>16¼&quot; x 16½&quot;</td>
</tr>
<tr>
<td>1540-520</td>
<td>200 sq ft</td>
<td>8.34</td>
<td>16&quot;W x 8&quot;H x 3&quot;D</td>
<td>16¼&quot; x 8¼&quot;</td>
</tr>
<tr>
<td>1540-521</td>
<td>400 sq ft</td>
<td>8.34</td>
<td>16&quot;W x 16&quot;H x 3&quot;D</td>
<td>16¼&quot; x 16¾&quot;</td>
</tr>
<tr>
<td>1540-570</td>
<td>200 sq ft</td>
<td>8.34</td>
<td>14.5&quot;W x 8.5&quot;H x 3&quot;D</td>
<td>14¼&quot; x 8¼&quot;</td>
</tr>
<tr>
<td>1540-524</td>
<td>200 sq ft</td>
<td>8.34</td>
<td>16&quot;W x 8&quot;H x 3&quot;D</td>
<td>16¼&quot; x 8¼&quot;</td>
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<tr>
<td>1540-574</td>
<td>200 sq ft</td>
<td>8.34</td>
<td>14.5&quot;W x 8.5&quot;H x 3&quot;D</td>
<td>14¼&quot; x 8¼&quot;</td>
</tr>
</tbody>
</table>
Smart Vent Multi-Frames
SMART VENT PRODUCTS, INC.

Customizable one-piece frame with fewer openings for commercial applications or large square footages.

Custom Configurations
Up To A 6 x 3 Multi-frame

1 Flood Door
   Dual Function 1540-0039
   Insulated 1540-0239

2 Frame
   Standard Multi-frame
   1/8 inch thick angle iron for an extremely sturdy, element-resistant design.
   "E" Multi-frame
   The same superior design using a lighter steel material to provide a more economical solution.

3 Configuration

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESIGN</th>
<th>COVERAGE</th>
<th>&quot;E&quot;</th>
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<tbody>
<tr>
<td>1540-150102</td>
<td>1W x 2H</td>
<td>400 sq ft</td>
<td>✓</td>
</tr>
<tr>
<td>1540-150103</td>
<td>1W x 3H</td>
<td>600 sq ft</td>
<td>✓</td>
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<tr>
<td>1540-150201</td>
<td>2W x 1H</td>
<td>400 sq ft</td>
<td>✓</td>
</tr>
<tr>
<td>1540-150202</td>
<td>2W x 2H</td>
<td>800 sq ft</td>
<td>✓</td>
</tr>
<tr>
<td>1540-150203</td>
<td>2W x 3H</td>
<td>1200 sq ft</td>
<td>✓</td>
</tr>
<tr>
<td>1540-150301</td>
<td>3W x 1H</td>
<td>600 sq ft</td>
<td>✓</td>
</tr>
<tr>
<td>1540-150302</td>
<td>3W x 2H</td>
<td>1200 sq ft</td>
<td>✓</td>
</tr>
<tr>
<td>1540-150303</td>
<td>3W x 3H</td>
<td>1800 sq ft</td>
<td>✓</td>
</tr>
<tr>
<td>1540-150401</td>
<td>4W x 1H</td>
<td>800 sq ft</td>
<td>✓</td>
</tr>
<tr>
<td>1540-150402</td>
<td>4W x 2H</td>
<td>1600 sq ft</td>
<td>x</td>
</tr>
<tr>
<td>1540-150403</td>
<td>4W x 3H</td>
<td>2400 sq ft</td>
<td>x</td>
</tr>
<tr>
<td>1540-150501</td>
<td>5W x 1H</td>
<td>1000 sq ft</td>
<td>x</td>
</tr>
<tr>
<td>1540-150502</td>
<td>5W x 2H</td>
<td>2000 sq ft</td>
<td>x</td>
</tr>
<tr>
<td>1540-150503</td>
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<tr>
<td>1540-150602</td>
<td>6W x 2H</td>
<td>2400 sq ft</td>
<td>x</td>
</tr>
<tr>
<td>1540-150603</td>
<td>6W x 3H</td>
<td>3600 sq ft</td>
<td>x</td>
</tr>
</tbody>
</table>
Smart Vent Accessories
SMART VENT PRODUCTS, INC.

Accessories + products that pair with Smart Vents to upgrade your energy efficiency, finish a look, meet codes or for installation.

Sealing Kit
Energy Saving
Finishes off interior spaces + lowers energy bills, effectively meeting 2018 Energy Codes.

- SINGLE 1540-526
- STACKER 1540-526-2

Hurribond™
2-in-1 Adhesive
A fast curing, multi-purpose, waterproof sealant + adhesive used for installing Smart Vents.

- WHITE HB-3100
- GRAY HB-3200

Trim + Sleeve Kit
Standard + Wood Wall
Provides a clean, finished look on interior walls. Adjustable.

- 7" - 12.5" 1540-531-12
- 10" - 15.5" 1540-531-15

Fire Damper
Standard + Wood Wall
UL Certified. For use in fire-rated walls. 2 or 3-hr options available.

- STANDARD 1540-530
- WOOD WALL 1540-537
Complementary Flood Insurance Review

Our floodproofing assessment helped ensure your structure was designed to be properly protected. Now, make sure it reaps the benefits with our complementary review which will lead to a lower flood insurance premium.

---

TAKE ADVANTAGE OF

These Discounts

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Proper Venting Discount
Flood risk can be reduced by installing flood vents that prevent foundation damage which can lead to flood insurance discounts.

Correct Rating
There are many nuances to flood insurance. We can make sure projects or properties are rated correctly + receiving the lowest premium possible.

Dry Floodproofing Credit
It can be difficult to get approved for dry floodproofing credit. Our specialists can help ensure maximum flood insurance savings with the proper credits.

---

IMPORTANT FACTS

About Our Success

20 YEARS of helping others | 50% average savings | 5K insurance reviews

ARE YOU THE Property Owner?

CONTACT OUR EXPERTS
insurance@floodproofing.com
1 (800) 507 0865
Dual Function Series
PROVIDES FLOOD PROTECTION + NATURAL AIR VENTILATION

- Smart Vent 1540-510
- Smart Vent Stacker 1540-511
- Smart Vent Multi-frame 1540-150202E (1540-0039)

Insulated Series
ONLY PROVIDES FLOOD PROTECTION

- Flood Vent 1540-520
- Flood Vent Stacker 1540-521
- Flood Vent Multi-frame 1540-150202E (1540-0239)
- Wood Wall Model 1540-570
- Overhead Garage Door 1540-524
- Overhead Garage Door 1540-574

Options + Accessories
EVERYTHING YOU NEED TO COMPLETE YOUR PROJECT

- Flood Vent Sealing Kit 1540-526
- Flood Vent Sealing Kit 1540-526-2
- Multiframes for commercial application
- Trim + Sleeves / Fire Dampers
- Pour in Place Vinyl Bucks
- Hurribond 2-in-1 Adhesive

DOWNLOAD CAD
INSTALLATION INSTRUCTIONS

1. REMOVE VENT DOOR FROM VENT FRAME. (TURN UPSIDE DOWN, ROTATE BOTTOM OF DOOR OUTWARD AND SLIDE OUT)

2. PREPARE A CLEAN 10.25" WIDE BY 8.25" HIGH ROUGH OPENING (APPROX. 1 BLOCK WIDE X 1 BLOCK HIGH) FOR EACH VENT. ENSURE THE BOTTOM OF THE ROUGH OPENING IS NO MORE THAN 12" ABOVE THE FINISHED GRADE.

3. APPLY A BEAD OF HURRICANE GRIP & SEAL OR EQUIVALENT ADHESIVE AROUND THE BACK OF THE FLANGE ON THE VENT FRAME. (FIG. 2)

4. INSERT INSTALLATION CLIPS INTO THE TWO SLOTS ON THE TOP AND TWO SLOTS ON THE BOTTOM OF THE FRAME.

5. THE SPRING ARM OF THE CLIPS SHOULD BE ON THE OUTSIDE OF THE VENT FRAME. COMPRESS THE BOTTOM TWO CLIPS AND BEGIN SLIPPING THE FRAME INTO THE OPENING. ENSURE THAT THE BOTTOM CLIPS ARE IN THE OPENING BEFORE ALLOW THEM TO DECOMPRESS.


7. RE-CHECK THAT FRAME IS SQUARE AND SLOTS ARE CLEAR OF DEBRIS, AND CAULK.

8. INSTALL THE DOOR INTO FRAME BY GRASPING THE BOTTOM OF DOOR (WITH FLOAT PINS DOWN) AND FRONT (SMALL SCREEN IN FRONT). SLIDE DOOR INTO FRAME AND ROTATE UNTIL IT IS LATCHED.

9. TO OPEN THE DOOR INSERT TWO CREDIT CARDS INTO THE FLOAT SLOTS AS SHOWN IN THE DIAGRAM. THIS WILL UNLATCH THE DOOR FOR REMOVAL AND CLEANING.

DETAILED SPECIFICATIONS:

MATERIAL: STAINLESS STEEL

OPERATION: FLOOD: AUTOMATIC NON-POWERED ACTIVATION AND OPERATION VENT REMAINS CLOSED AND LOCKED UNTIL ACTIVATED

OPERATION AIR: AUTOMATIC LOUVERS FULLY OPEN AT 75 DEG. FULLY CLOSED AT 35 DEG. NO POWER REQUIRED

INSTALLATION:

- SECURED W/ 4 STAINLESS STEEL INSTALLATION CLIPS INCLUDED AND AN ADHESIVE

HYDROSTATIC RELIEF: 200 SQ. FT PER VENT

VENTILATION: 51 SQ. IN. PER VENT NOTE: VAPOR BARRIER ALLOWS FOR REDUCED VENTILATION REQUIREMENTS FLOOD: MINIMUM OF 2 VENTS PER ENCLOSED AREA MOUNTED ON AT LEAST TWO DIFFERENT WALLS

COLORS: STAINLESS (STANDARD)

EXTERIOR POWDER COATED WHITE, WHEAT, GRAY, AND BLACK (AVAILABLE)

MEETS THE REQUIREMENTS FOR ENGINEERED OPENINGS AS SET FORTH BY:
FEMA, NFIP, ICC, & ASCE

SUPPORTIVE DOCUMENTS: TB 1–08, 44CFR 65.3(c)(5), ASCE 24–14

ICC EVALUATION # ESR-2074