



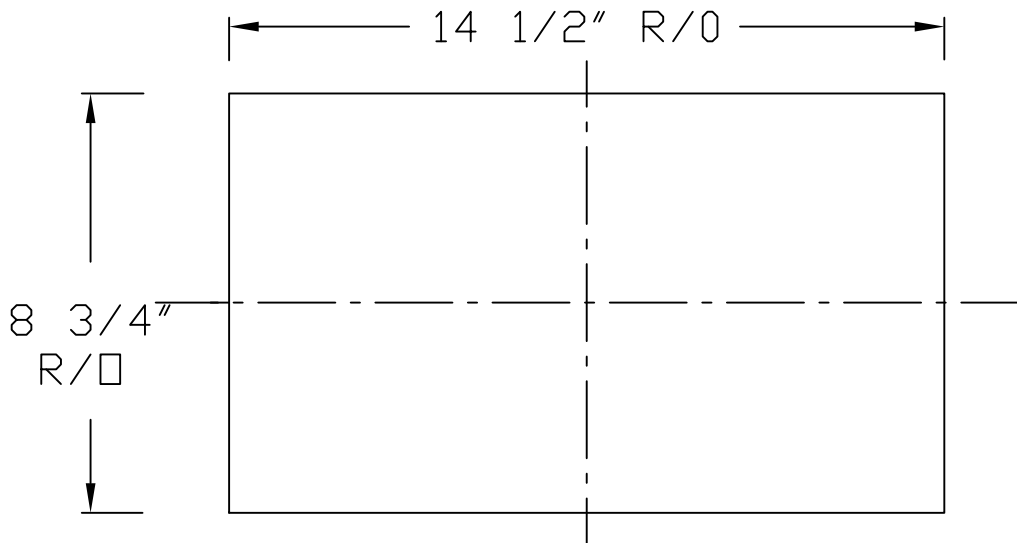
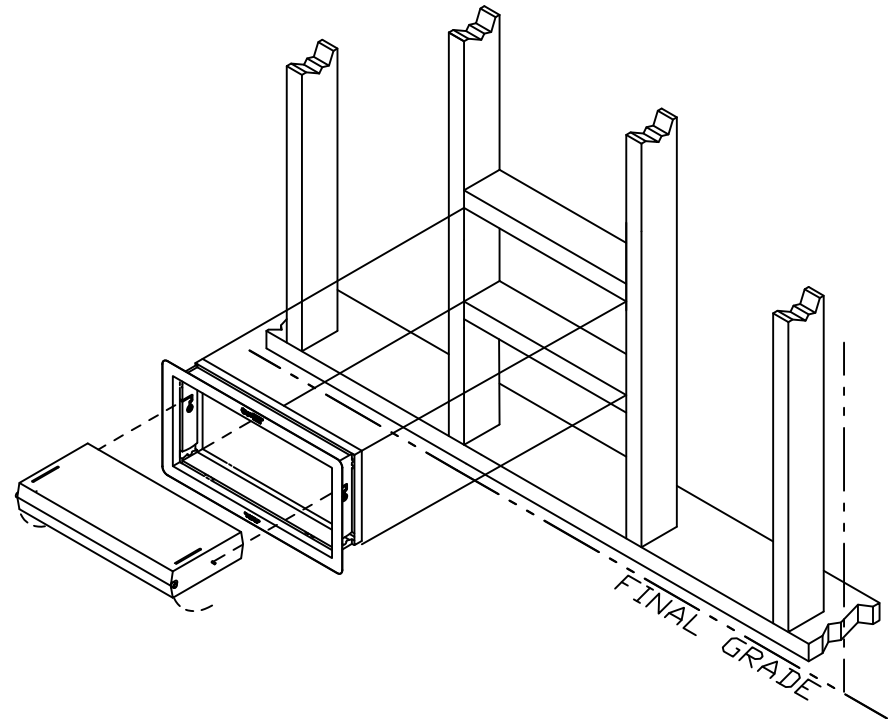
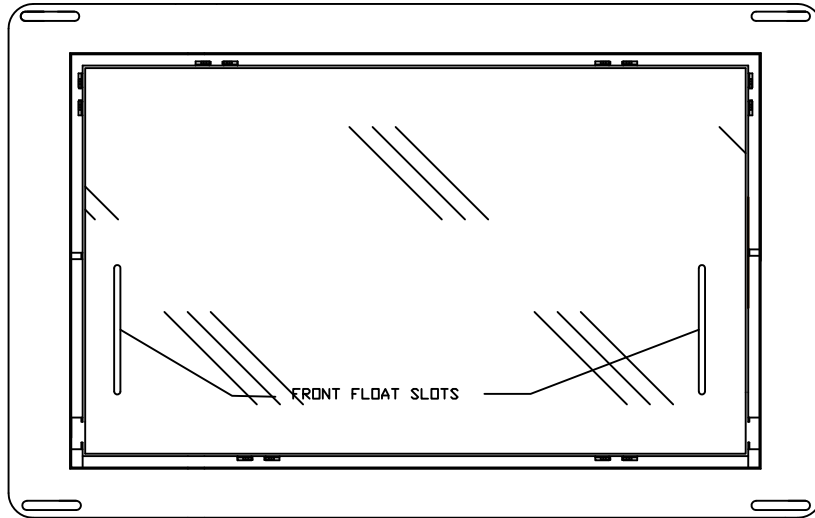
Smart VENT

877- 441- 8368


www.smartvent.com

DETAIL DIAGRAM MODEL 1540-570

14.5" WOOD WALL INSULATED



ROUGH OPENING DIAGRAM
DESIGNED TO FIT BETWEEN 2 BI WOOD STUDS

TOLERANCES UNLESS OTHERWISE SPECIFIED X.X +/-0.06 X.XX +/-0.03 X.XXX +/-0.005	 SMART VENT® 877-441-8368 WWW.SMARTVENT.COM	SMART VENT Foundation Flood Vents 450 AndBro Dr., Suite 2B Pitman NJ 08071		
		14.5" WOOD WALL INSULATED MODEL 1540-570		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SMART VENT, INC. IF USED IN PROJECT, CHANGES TO DRAWING ARE PROHIBITED WITHOUT THE WRITTEN PERMISSION OF SMART VENT, INC.		SIZE A	DWG NO. 1540-570	REV B
DATE: 5-15-09		SHEET 1 OF 2		



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INSTALLATION INSTRUCTIONS & DETAILS

MODEL 1540-570

14.5" WOOD WALL INSULATED

INSTALLATION INSTRUCTIONS

(SEE DIAGRAM ON BACK PAGE 1 OF 2)

REV. 5-15-09

1. For each vent cut a **CLEAN, SQUARE, and LEVEL** 14 1/2"x 8 3/4" opening in the outside sheathing. Ensure that the bottom of the opening is no more than 12" above the outside final grade.
2. Remove Vent door from Vent frame. (turn upside down, rotate bottom of door outward and slide out of frame slots)
3. Position the vent frame in the opening with **SERIAL NUMBER LABEL** on the **BOTTOM** and ensure that it is square and level. Apply a small bead of polyurethane adhesive behind the vent front frame as shown in the diagram.
4. Use 4 each flathead stainless steel screws to secure the frame through the sheathing and into the structural member.
NOTE: This model does not contain straps.
5. Install the door by inserting the side pins into the tracks at the sides of the vent frame. Ensure the black float pins are facing downward.
6. Let the bottom of the Vent door go so that it rotates down into the Vent frame. Check that Vent door is latched on both sides.
7. To open the door insert 2 credit cards into the float slots as shown in the diagram.
8. The outside flange and screws can be covered with "J" channel or any surface treatment like brick or stone. Use **CAUTION** do not apply any covering that will impede the movement of the vent door in any direction.

DETAIL SPECIFICATIONS:

MATERIAL: STAINLESS STEEL

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

INSTALLATION:

SECURED W/ 4 STAINLESS STEEL FLATHEAD SCREWS

NOTE: THIS MODEL DOES NOT CONTAIN STRAPS

HYDROSTATIC RELIEF: 200 Sq. Ft per Vent

REQUIREMENTS: MINIMUM OF 2 VENTS PER ENCLOSED AREA
MOUNTED ON OPPOSITE OR ADJACENT WALLS

COLORS: STAINLESS STEEL (STANDARD)

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 60.3(C)(5), ASCE 24-05
ICC EVALUATION # ESR-2074



MATERIAL REVIEW & MAINTENANCE INSTRUCTIONS

Objective:

When we set out to design our flood vent products, a comprehensive study was conducted to determine the most important design attributes that would be needed to insure that our customers received the best product available. Because our company started on the shores of the East Coast of New Jersey, everyone placed durability as their number one concern.

Durability:

After extensive research, including review of many less expensive materials, we choose to make the bulk of the components for our vents from stainless steel. Salt will pit stainless steel unless it is rinsed with water. We recommend that the vent be washed with fresh water twice a year. Any red rust or minor surface pitting can be removed with “commercial de-rusting solutions.”

The mechanism that operates the automatic louvers on models 1540-510, 1540-511, 1540-514 and 1540-550 is also entirely made from stainless steel, and water rinsing will reduce corrosion and dirt build-up. Prior to final inspection and testing, the louver mechanism is lubricated with a dry film lubricant. This over the counter lubricant should be applied at minimum one time per year, or when needed. Rinse the louver mechanism, let dry, then spray all of the moving parts. Note: Wet lubricants or grease will allow dirt and sand to accumulate on the moving parts. Use only dry film lubricants.

The bi-metal coil is made from highly engineered materials. The composite contains a large portion of Nickel and the finished coil is secondarily heat-treated, which forms a protective barrier to protect it from the elements. A squirt of dry film lubricant into the coil chamber during maintenance will extend its life.

The floats are manufactured from engineered plastics. An ultra-violet inhibitor was blended into the raw material before molding to insure that the sun does not degrade the functional or dimensional characteristics of the material. Insert a thin blade or a credit card into each side of the vent door’s float slot, and the door will easily push open. Rinse the float cavity, then apply a small amount of dry film lubricant on the float, where it contacts the frame.

Like any product, the care one gives will determine its life. We have used the best American materials, along with the best engineering and manufacturing professionals to build our products. With just a little care, your vents will function carefree for many years.

