



**SMART VENT**

**877- 441- 8368**

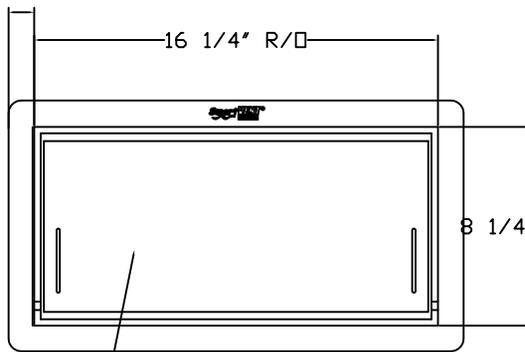
**www.smartvent.com**

# DETAIL DIAGRAM

## MODEL 1540-531-12 and 1540-531-15 (wall thickness)

### INTERIOR TRIM FLANGE & INNER SLEEVE KIT

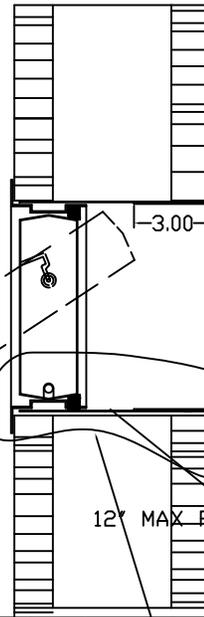
1" FLANGE ALL AROUND



EXTERIOR VIEW

AUTOMATIC FLOOD VENT SHOWN FROM EXTERIOR.  
FOUNDATION FLOOD VENT AS MANUFACTURED  
BY SMART VENT, Inc.

VENT SHOWN OPEN



TRIM FLANGE FINISHES THE INSIDE

1" FLANGE ALL AROUND

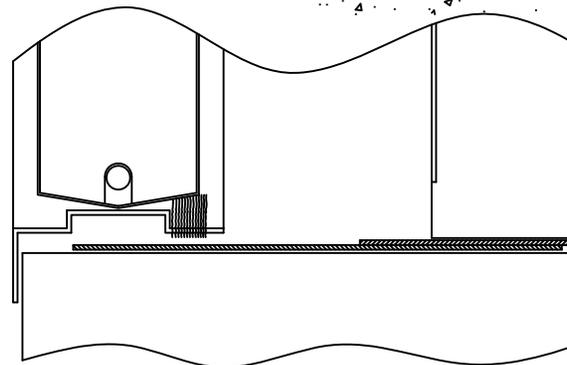


INTERIOR VIEW

12" MAX FROM OUTSIDE FINISHED GRADE

STAINLESS STEEL SLEEVE  
AS MANUFACTURED  
BY "SMART VENT" MODEL 1540-531-12 (7" THICK TO 12" THICK WALLS)  
BY "SMART VENT" MODEL 1540-531-15 (12" THICK TO 15" THICK WALLS)

VIEW "AA"



VIEW "AA"

ENLARGED FOR CLARITY

**NOTES:**

- INSTALL OUR INSULATED MODEL OR DUAL FUNCTION MODEL AS PER INSTALLATION INSTRUCTIONS
- INSERT INNER FINISH SLEEVE THROUGH OPENING FROM THE INSIDE
- ENSURE INNER SLEEVE SLIDES OVER THE FLOOD VENT FLANGE
- USE CONSTRUCTION ADHESIVE AROUND SLEEVE FRAME TO SECURE

TOLERANCES UNLESS OTHERWISE SPECIFIED  
X.X +/-0.06  
X.XX +/-0.03  
X.XXX +/-0.005



**SMART VENT®**  
877-441-8368  
WWW.SMARTVENT.COM

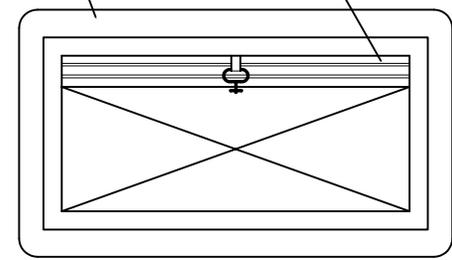
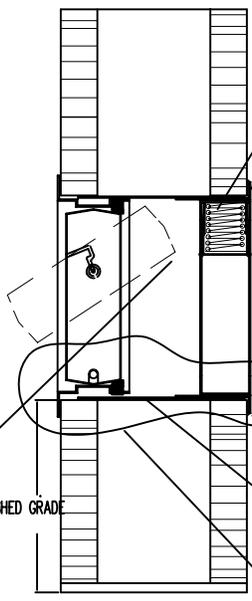
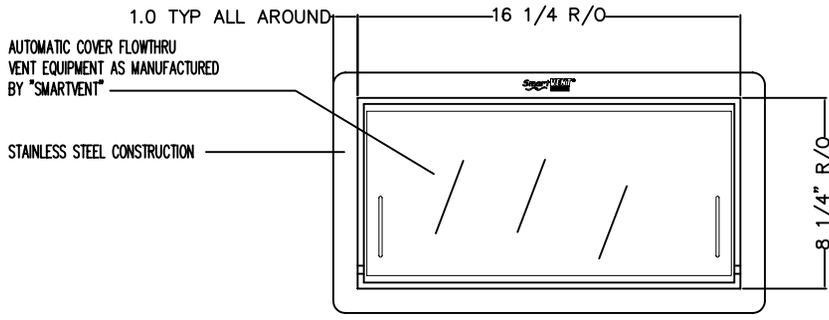
SMART VENT Foundation Flood Vents  
450 AndBro Dr., Suite 2B  
Pitman NJ 08071

SMART VENT OR FLOOD VENT  
INTERIOR TRIM FLANGE & INNER SLEEVE KIT  
MODEL 1540-531

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. 1540-531	REV C
DATE: 5-15-09		SHEET 1 OF 1

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

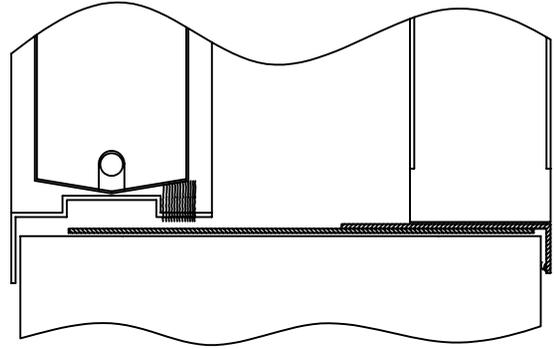


SEE NOTE 4  
 12" MAXIMUM FROM OUTSIDE FINISHED GRADE

CAULK WITH FIRE RATED SEALANT ALL AROUND OR SEAL WITH FIRE BARRIER MORTAR  
 STAINLESS STEEL SLEEVE IS REQUIRED

E

SCALE: 3" = 1'-0"



NOTES:

- 1- INSTALL SLEEVE INTO ROUGH OPENING AND SEAL WITH FIRE RATED CAULK.
- 2- FROM THE INSIDE INSTALL FINISH TRIM FLANGE AND SEAL WITH FIRE RATED CAULK.
- 3- FIRE DAMPER MUST BE SECURED INTO OPENING FLUSH WITH OUTSIDE TRIM FLANGE USING NON CORROSIVE FASTENERS. FASTENERS MUST NOT DEFORM OR IMPEDE THE OPERATION OF THE DOOR.
- 4- WHEN FLOOD DOOR IS OPENED IT MUST NOT CONTACT THE FIRE DAMPER IN ANY WAY
- 5- CONTACT YOUR LOCAL BUILDING CODE INSPECTOR FOR SPECIFIC FIRE CODE REGULATIONS

TOLERANCES UNLESS OTHERWISE SPECIFIED X.X +/-0.06 X.XX +/-0.03 X.XXX +/-0.005	 <b>Smart VENT®</b> <b>877-441-8368</b> WWW.SMARTVENT.COM		<b>Smart VENT® Foundation Flood Vents</b> 450 AndBro Dr., Suite 2B Pitman NJ 08071		
			<b>MODEL # 5513 (2) HOUR THIN LINE FIRE DAMPER AND FLOOD VENT ASSEMBLY</b>		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SMART VENT INC. ANY REPRODUCTION OR USE OF THIS INFORMATION WITHOUT THE WRITTEN PERMISSION OF SARGENT METAL FABRICATORS IS PROHIBITED.		SIZE A	FSCM NO.	DWG NO. 1540-530-2HR	REV B
DR. .		DATE: 1-29-08		SHEET 1 OF 1	



## **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.

