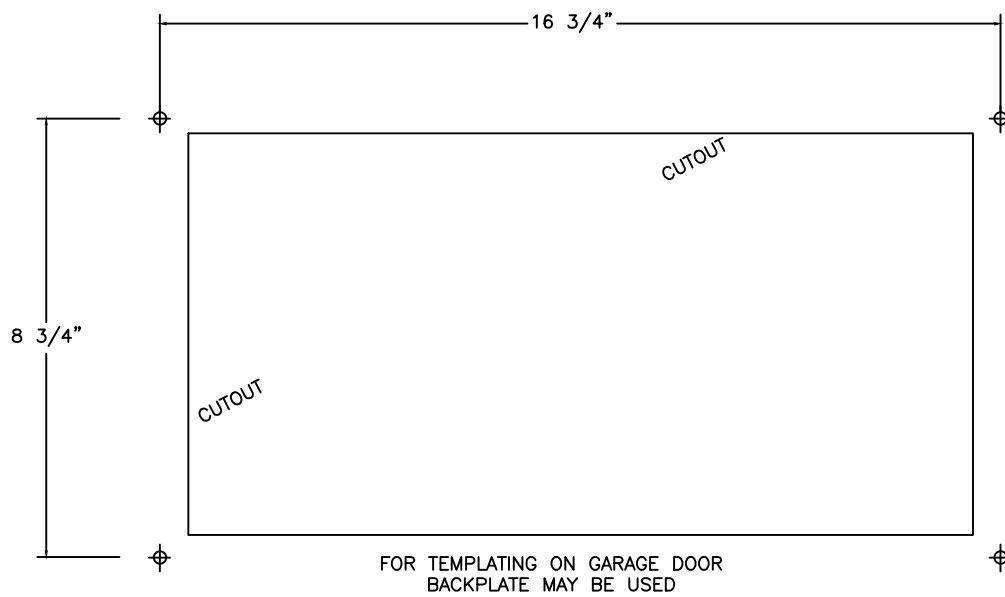
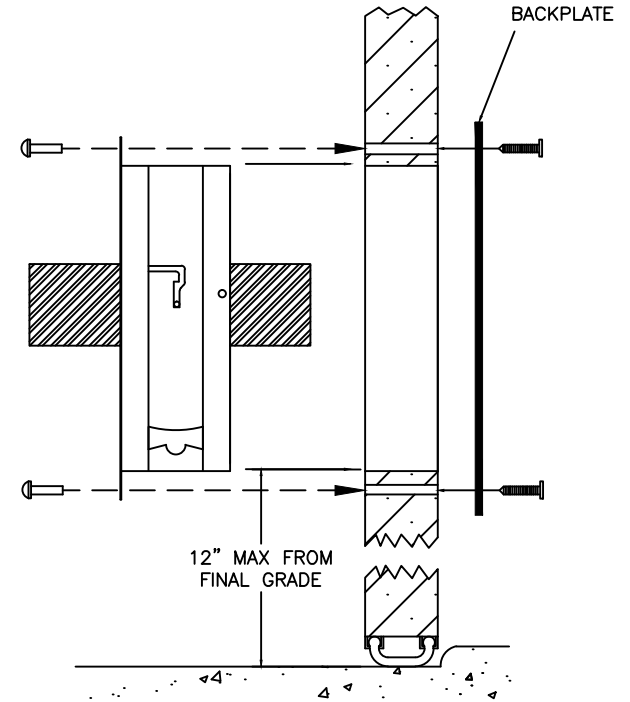
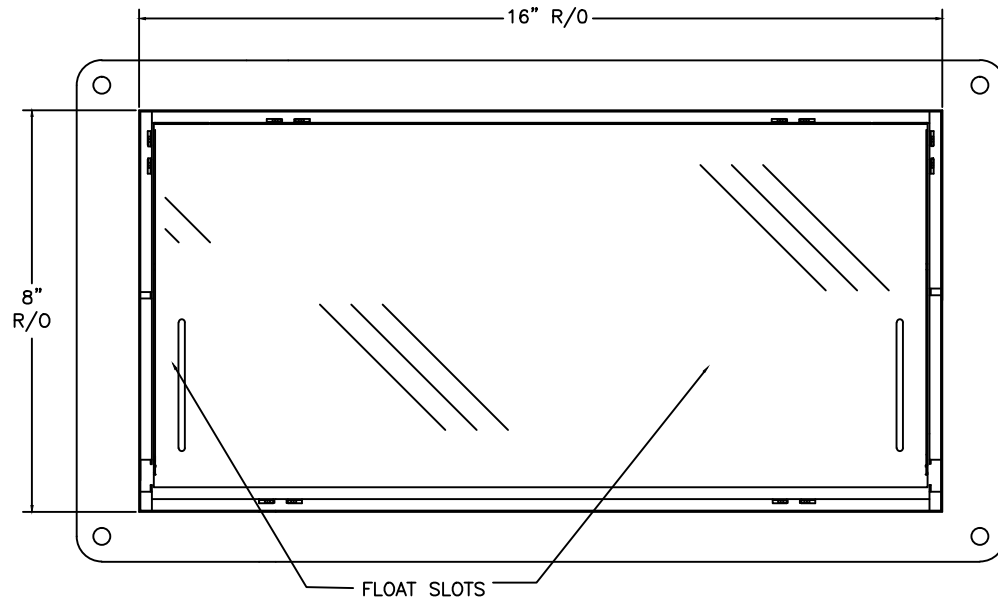



DETAIL DIAGRAM  
 MODEL 1540-524  
 16" GARAGE DOOR INSULATED



 <b>SMART VENT®</b> 877-441-8368 WWW.SMARTVENT.COM	SMART VENT FOUNDATION FLOOD VENTS 430 ANDBRO DR., UNIT 1 PITMAN NJ 08071		
	16" GARAGE DOOR INSULATED MODEL 1540-524		
SIZE A	DWG NO. 1540-524	REV A	
DATE. 6-21-16		SHEET 1 OF 2	



Smart VENT

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INSTALLATION INSTRUCTIONS  
& DETAILS  
MODEL 1540-524  
16" GARAGE DOOR INSULATED  
REV. 6-21-16

INSTALLATION INSTRUCTIONS

(SEE DIAGRAM ON BACK PAGE 1 OF 2)

1. FOR EACH VENT CUT A CLEAN, SQUARE, AND LEVEL 16 " X 8 " OPENING IN THE DOOR PANEL. ENSURE THAT THE BOTTOM OF THE OPENING IS NO MORE THAN 12" ABOVE THE FINAL GRADE (DRIVEWAY). THE INSIDE BACKPLATE CAN ALSO BE USED AS A TEMPLATE.
2. REMOVE THE VENT DOOR FROM VENT FRAME. (TURN UPSIDE DOWN, ROTATE BOTTOM OF DOOR OUTWARD AND SLIDE OUT OF FRAME SLOTS)
3. POSITION THE VENT FRAME BY HAND IN THE OPENING SO THAT IT IS SQUARE AND LEVEL. TRANSFER THE 4 MOUNTING HOLES. REMOVE THE VENT FROM THE OPENING AND DRILL (4) 1/4" HOLES THROUGH THE ENTIRE DOOR..  
ENSURE THAT THESE HOLES ARE SQUARE SO THE VENT FRAME AND BACKPLATE LINE UP.
4. CLEAN ANY AND ALL LOOSE OR SHARP METAL BURRS FROM THE DOOR PANEL. THE FRONT VENT FRAME MUST SIT FLUSH TO THE DOOR PANEL.
5. INSERT THE VENT FRAME INTO OH DOOR PANEL WITH SERIAL NUMBER LABEL ON THE BOTTOM. INSTALL BACKPLATE OVER INSIDE OF DOOR FRAME. CHECK ALIGNMENT OF PRE-DRILLED HOLES IN VENT FRAME, DOOR AND BACKPLATE. MAKE SURE FRAME SITS LEVEL AND FRONT FLANGE IS FLUSH WITH THE FRONT OF OH DOOR PANEL. APPLY HURRIBOND GRIP & SEAL OR EQUIVALENT ADHESIVE BEHIND VENT FRONT FRAME FLANGE TO SEAL VENT FRAME TO FACE OF DOOR PANEL. SEE DIAGRAM.
6. SECURE WITH 4 STAINLESS STEEL SEX NUTS AND BOLTS THROUGH DOOR TO BACKPLATE WITH FEMALE SECTION ON OUTSIDE.  
IF OVERHEAD DOOR THICKNESS IS TOO THIN, USE THE SELF LOCKING NUTS AND WASHERS IN LIEU OF THE SEX NUTS AND BOLTS.
7. INSERT THE DOOR BACK INTO THE VENT FRAME. CHECK THAT THE VENT DOOR IS LATCHED ON BOTH SIDES. TO OPEN THE VENT INSERT TWO CREDIT CARDS INTO THE FRONT FLOAT SLOTS AS SHOWN IN THE DIAGRAM.
8. VENT DOOR SHOULD NOT OPEN WHEN OH DOOR OPENS. VENT DOOR ONLY OPENS WHEN IN CONTACT WITH FLOOD WATER AND OH DOOR IS FULLY CLOSED.

DETAIL SPECIFICATIONS:

MATERIAL: STAINLESS STEEL

OPERATION FLOOD: AUTOMATIC NON-POWERED ACTIVATION AND OPERATION

INSTALLATION:

SECURED W/ 4 STAINLESS STEEL BINDING BARRELS

USE 2 1/2" BOLD AND LOCKING NUT WHERE

BINDING BARREL NUT (SNB'S) CAN NOT BE USED.

HYDROSTATIC RELIEF: 200 Sq Ft per Vent

REQUIREMENTS FLOOD: MINIMUM OF 2 VENTS PER ENCLOSED AREA MOUNTED ON AT LEAST TWO DIFFERENT WALLS

COLORS: WHITE (STANDARD)

STAINLESS STEEL, 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 24-14  
ICC EVALUATION # ESR-2074