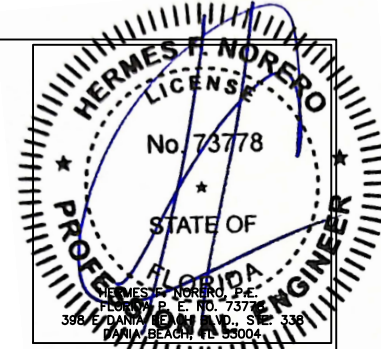
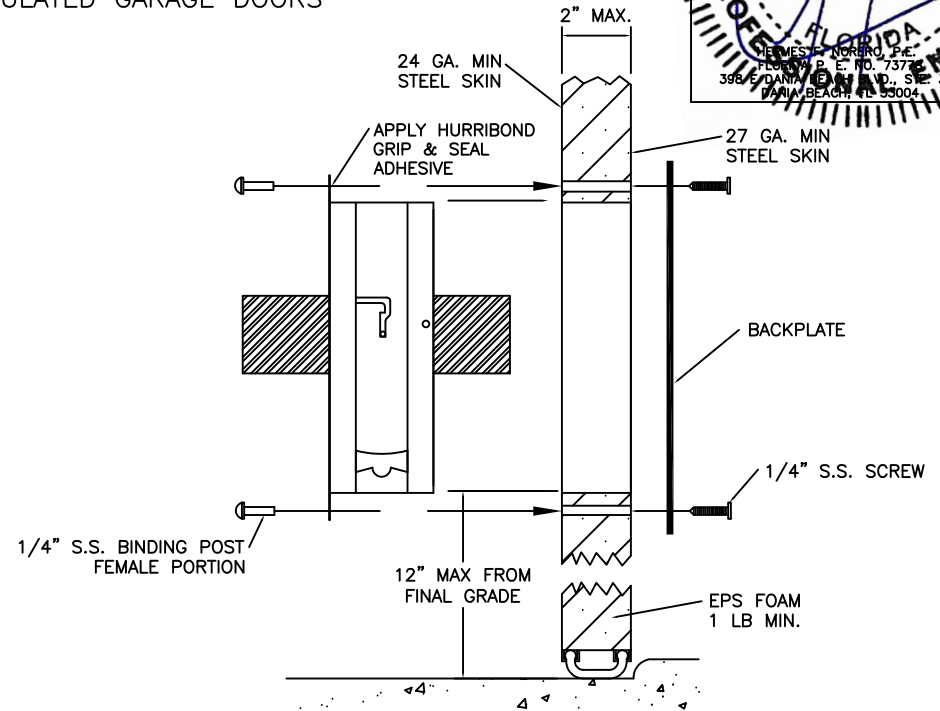
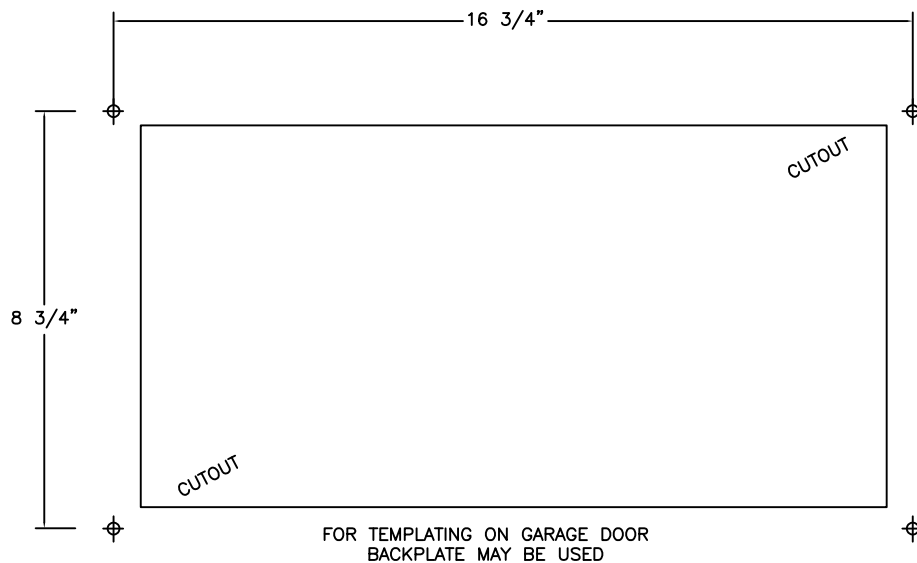
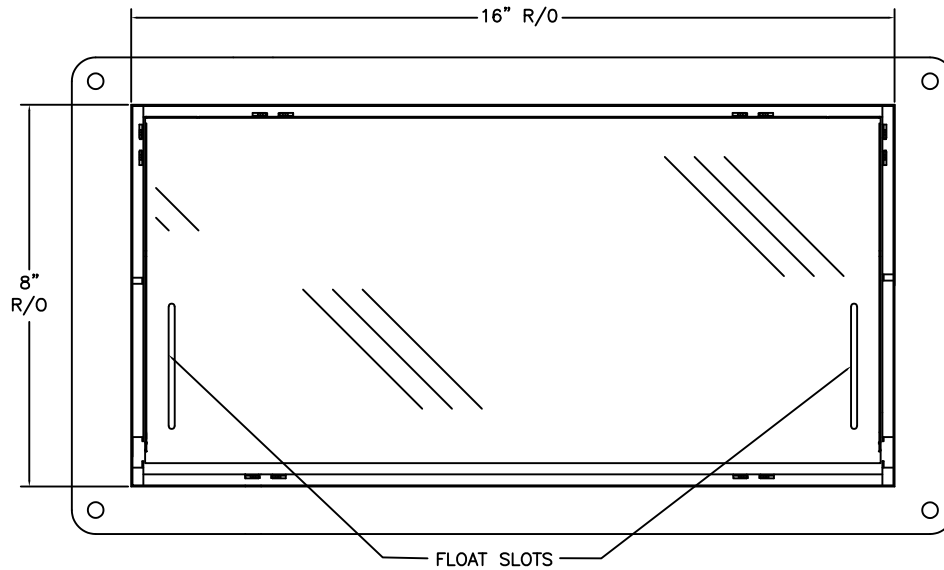




DETAIL DIAGRAM
MODEL 1540-524
16" GARAGE DOOR INSULATED FLOOD VENT
FOR USE ON INSULATED GARAGE DOORS

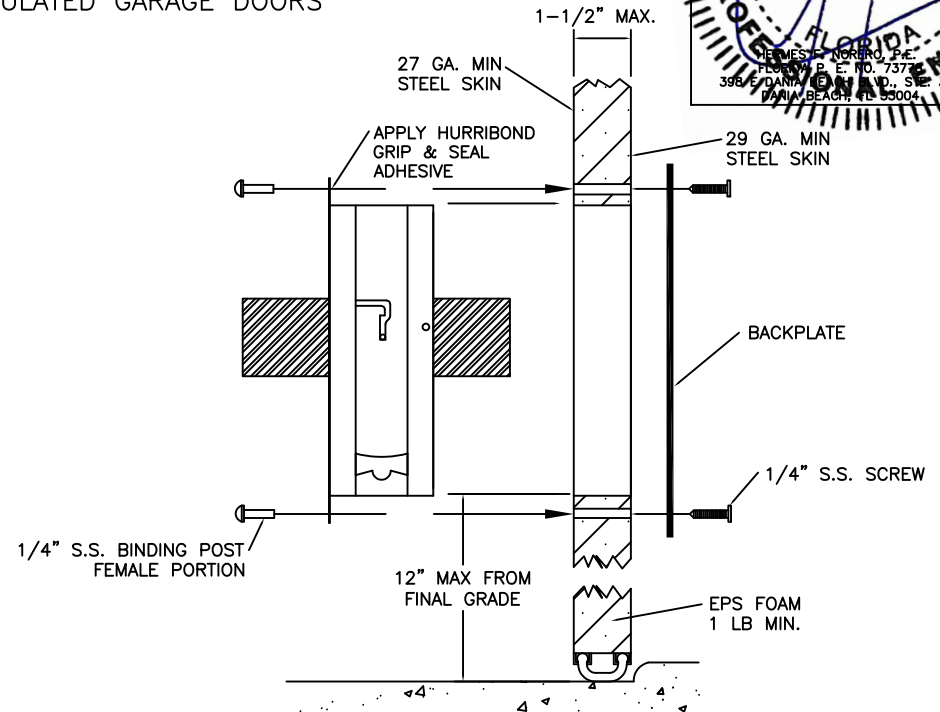
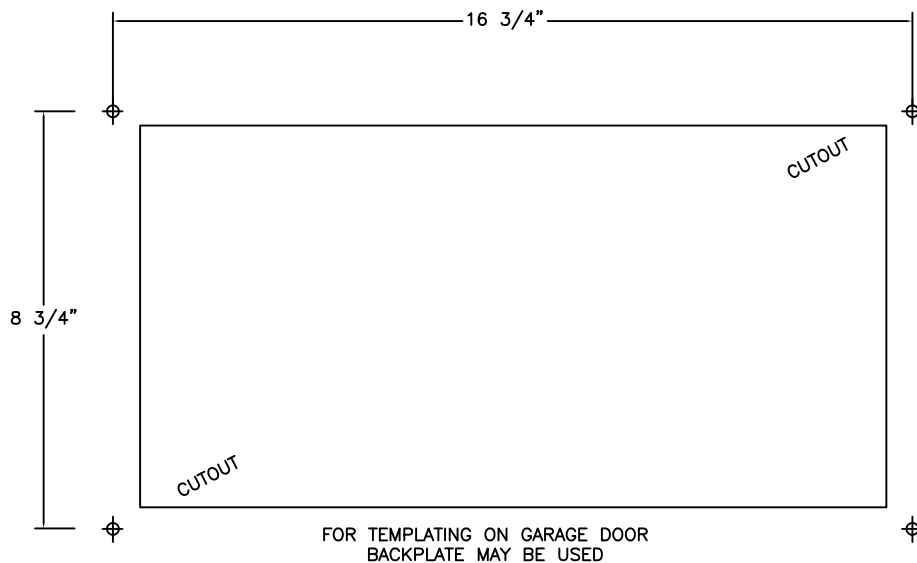
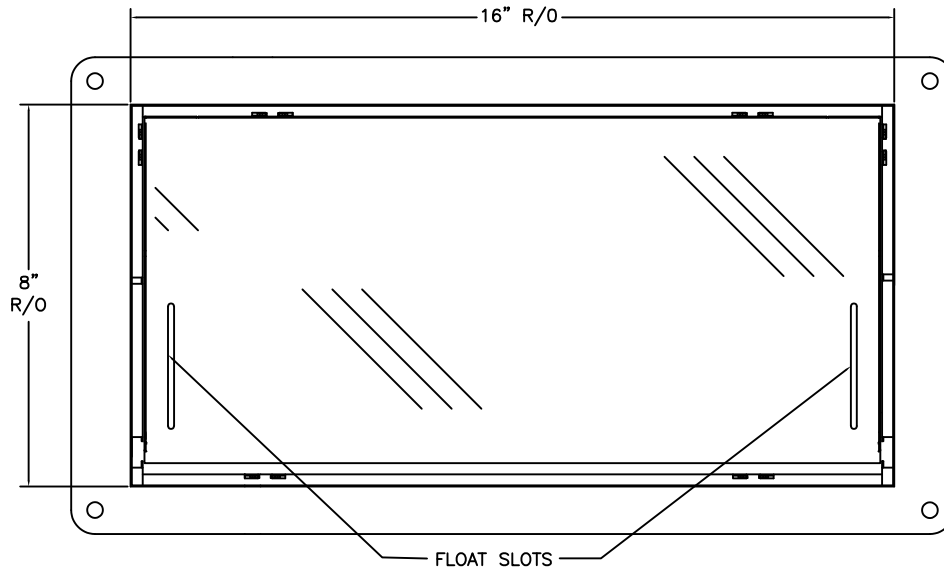


LIMITATIONS:

1. THIS IS A COMPONENT APPROVAL FOR INSULATED FLOOD VENTS FOR USE IN INSULATED OVERHEAD SECTIONAL GARAGE DOORS (UNDER SEPARATE APPROVAL).
2. VENT IS RATED FOR A DESIGN PRESSURE OF +55/-65 PSF. ALLOWABLE DESIGN PRESSURE OF THE ASSEMBLY SHALL BE LIMITED TO THE LESSER RATED VALUE OF THE VENT AND THE GARAGE DOOR (UNDER SEPARATE APPROVAL).
3. APPROVED FOR USE IN IMPACT RATED DOOR ASSEMBLIES IN AREAS REQUIRING IMPACT RESISTANCE.
4. VENT IS QUALIFIED FOR INSTALLATION TO INSULATED GARAGE DOORS WITH A MINIMUM EXTERIOR STEEL SKIN THICKNESS OF 24 GA AND A MINIMUM INTERIOR STEEL SKIN THICKNESS OF 27 GA. MAXIMUM INSULATED DOOR OVERALL THICKNESS SHALL BE LIMITED TO 2". DOOR SHALL BE INSULATED WITH EPS FOAM WITH MINIMUM 1 LB DENSITY OR APPROVED ALTERNATIVE.
5. VENTS SHALL BE INSTALLED TO BOTTOM SECTION OF DOOR IN ACCORDANCE WITH INSTALLATION DETAILS SHOWN ON THIS SHEET AND LISTED ON SHEET 4.

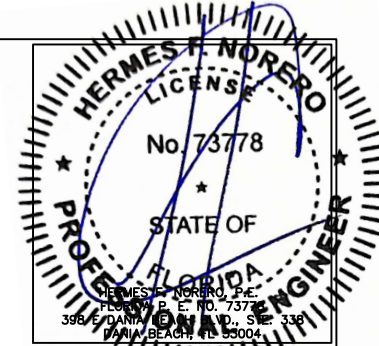
 SMART VENT® 877-441-8368 WWW.SMARTVENT.COM	SMART VENT Foundation Flood Vents 19 MANTUA ROAD MOUNT ROYAL, NJ 08061		
	16" GARAGE DOOR INSULATED MODEL 1540-524		
	SIZE A	DWG NO. 1540-524	REV C
	DATE: 6-21-16		SHEET 1 OF 4

DETAIL DIAGRAM
MODEL 1540-524
16" GARAGE DOOR INSULATED FLOOD VENT
FOR USE ON INSULATED GARAGE DOORS



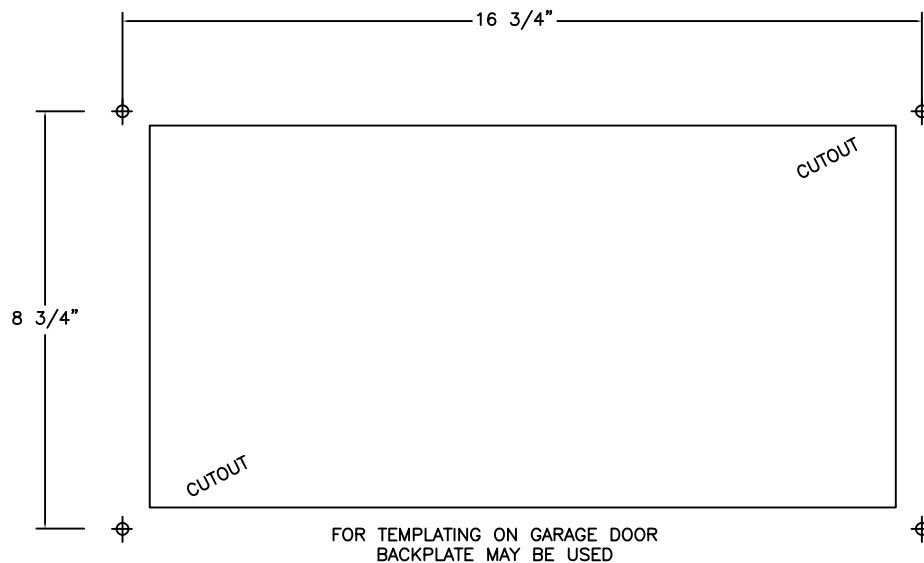
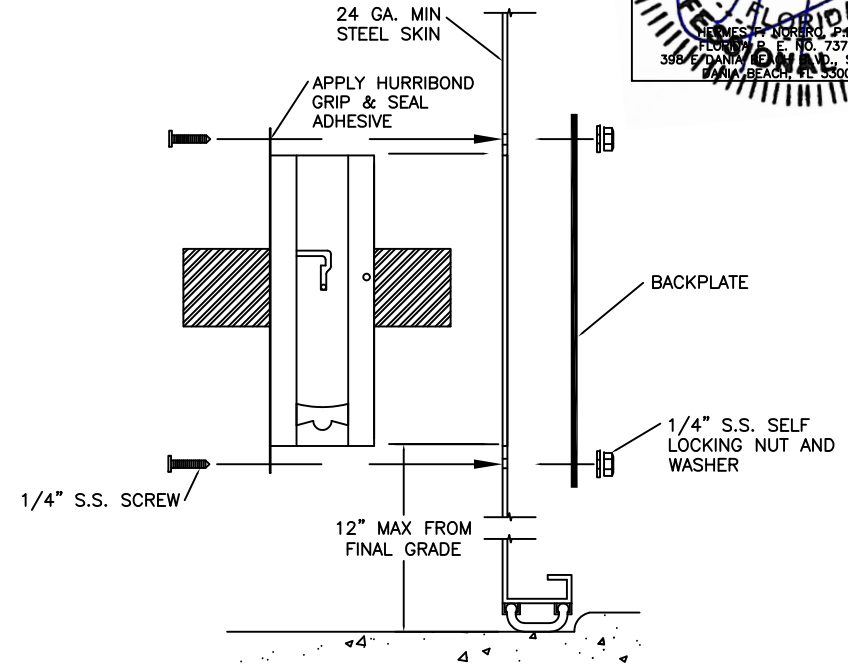
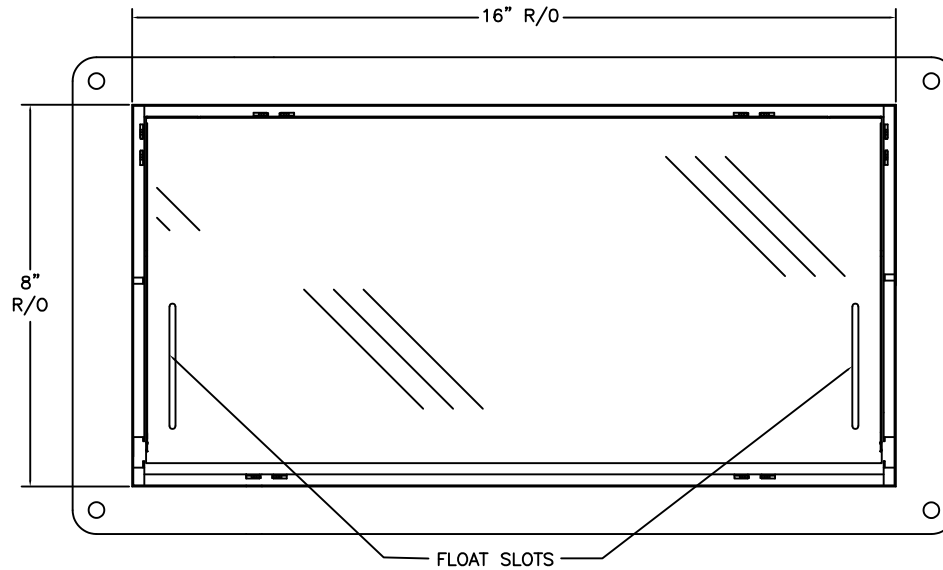
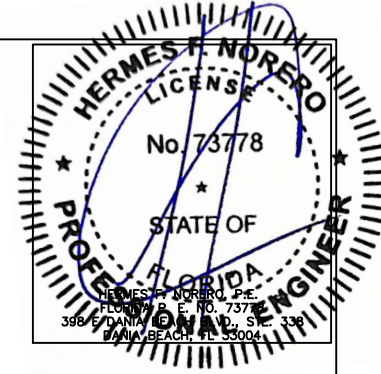
LIMITATIONS:

1. THIS IS A COMPONENT APPROVAL FOR INSULATED FLOOD VENTS FOR USE IN INSULATED OVERHEAD SECTIONAL GARAGE DOORS (UNDER SEPARATE APPROVAL).
2. VENT IS RATED FOR A DESIGN PRESSURE OF +41/-46.3 PSF. ALLOWABLE DESIGN PRESSURE OF THE ASSEMBLY SHALL BE LIMITED TO THE LESSER RATED VALUE OF THE VENT AND THE GARAGE DOOR (UNDER SEPARATE APPROVAL).
3. APPROVED FOR USE IN IMPACT RATED DOOR ASSEMBLIES IN AREAS REQUIRING IMPACT RESISTANCE.
4. VENT IS QUALIFIED FOR INSTALLATION TO INSULATED GARAGE DOORS WITH A MINIMUM EXTERIOR STEEL SKIN THICKNESS OF 27 GA AND A MINIMUM INTERIOR STEEL SKIN THICKNESS OF 29 GA. MAXIMUM INSULATED DOOR OVERALL THICKNESS SHALL BE LIMITED TO 1-1/2". DOOR SHALL BE INSULATED WITH EPS FOAM WITH MINIMUM 1 LB DENSITY OR APPROVED ALTERNATIVE.
5. VENTS SHALL BE INSTALLED TO BOTTOM SECTION OF DOOR IN ACCORDANCE WITH INSTALLATION DETAILS SHOWN ON THIS SHEET AND LISTED ON SHEET 4.



 SMART VENT® 877-441-8368 WWW.SMARTVENT.COM	SMART VENT Foundation Flood Vents 19 MANTUA ROAD MOUNT ROYAL, NJ 08061		
	16" GARAGE DOOR INSULATED MODEL 1540-524		
	SIZE A	DWG NO. 1540-524	REV C
	DATE: 6-21-16		SHEET 2 OF 4

DETAIL DIAGRAM
MODEL 1540-524
16" GARAGE DOOR INSULATED FLOOD VENT
FOR USE ON NON-INSULATED GARAGE DOORS



LIMITATIONS:

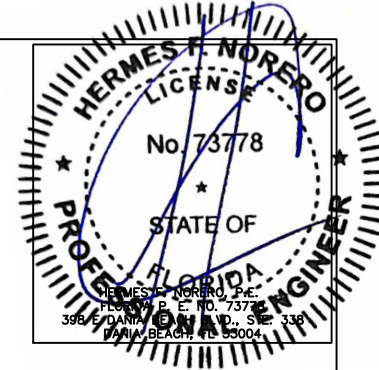
1. THIS IS A COMPONENT APPROVAL FOR INSULATED FLOOD VENTS FOR USE IN NON-INSULATED OVERHEAD SECTIONAL GARAGE DOORS (UNDER SEPARATE APPROVAL).
2. VENT IS RATED FOR A DESIGN PRESSURE OF +55/-65 PSF. ALLOWABLE DESIGN PRESSURE OF THE ASSEMBLY SHALL BE LIMITED TO THE LESSER RATED VALUE OF THE VENT AND THE GARAGE DOOR (UNDER SEPARATE APPROVAL).
3. APPROVED FOR USE IN IMPACT RATED DOOR ASSEMBLIES IN AREAS REQUIRING IMPACT RESISTANCE.
4. VENT IS QUALIFIED FOR INSTALLATION TO NON-INSULATED GARAGE DOORS WITH A MINIMUM STEEL SKIN THICKNESS OF 24 GA.
5. VENTS SHALL BE INSTALLED TO BOTTOM SECTION OF DOOR IN ACCORDANCE WITH INSTALLATION DETAILS SHOWN ON THIS SHEET AND LISTED ON SHEET 4.

 SMART VENT® 877-441-8368 WWW.SMARTVENT.COM	SMART VENT Foundation Flood Vents 19 MANTUA ROAD MOUNT ROYAL, NJ 08061		
	16" GARAGE DOOR INSULATED MODEL 1540-524		
	SIZE A	DWG NO. 1540-524	REV C
	DATE: 6-21-16	SHEET 3 OF 4	



Smart VENT
877- 441- 8368
www.smartvent.com

INSTALLATION INSTRUCTIONS
& DETAILS
MODEL 1540-524
16" GARAGE DOOR INSULATED
REV. 6/15/18



INSTALLATION INSTRUCTIONS

(SEE DIAGRAMS ON PAGES 1, 2 AND 3)

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. FOR INSULATED DOORS: SECURE WITH (4) 1/4" STAINLESS STEEL BINDING POSTS (SEX BOLTS) AND BOLTS THROUGH DOOR TO BACKPLATE WITH FEMALE SECTION ON OUTSIDE. BOLT LENGTH SHALL BE SUFFICIENT TO ACHIEVE A MINIMUM OF THREE THREADS ENGAGEMENT INTO BINDING POSTS.
7. FOR NON-INSULATED DOORS: SECURE WITH (4) 1/4" STAINLESS STEEL BOLTS AND SELF LOCKING NUTS AND WASHERS WITH THE BOLT SECTION ON THE OUTSIDE. BOLT LENGTH SHALL BE SUFFICIENT TO ACHIEVE FULL PENETRATION THROUGH NUT.
8. 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.
9. 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:

SEE NOTES 6 AND 7 ABOVE AND DIAGRAMS PAGES 1 AND 2

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