

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name Donald Collins		FOR INSURANCE COMPANY USE	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 3106 Crystal Cay		Policy Number	
City Belleair Beach	State FL	Company NAIC Number	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Tax Parcel ID # 30-29-15-07317-000-0460		CR13-06033 427390	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential			
A5. Latitude/Longitude: Lat. N27-55-58.9 Long. W082-50-02.6			
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.			
A7. Building Diagram Number 1B			
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:	
a) Square footage of crawlspace or enclosure(s) N/A sq ft		a) Square footage of attached garage 758 sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade N/A		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 4	
c) Total net area of flood openings in A8.b N/A sq in		c) Total net area of flood openings in A9.b 768 sq in	
d) Engineered flood openings? ☐ Yes ☒ No		d) Engineered flood openings? ☒ Yes ☐ No	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Belleair Beach, City of 125089		B2. County Name Pinellas		B3. State Florida	
B4. Map/Panel Number 12103C0112	B5. Suffix G	B6. FIRM Index Date 8/18/2009	B7. FIRM Panel Effective/Revised Date 9/03/03	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 10
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. ☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date: _____ ☐ CBRS ☐ OPA ☐ Yes ☒ No					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: GPS See Comments Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below. ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____

Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	11.3	☒ feet ☐ meters
b) Top of the next higher floor	23.5	☒ feet ☐ meters
c) Bottom of the lowest horizontal structural member (V Zones only)	N/A	☐ feet ☐ meters
d) Attached garage (top of slab)	7.2	☒ feet ☐ meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	11.3	☒ feet ☐ meters
f) Lowest adjacent (finished) grade next to building (LAG)	6.5	☒ feet ☐ meters
g) Highest adjacent (finished) grade next to building (HAG)	7.4	☒ feet ☐ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	6.5	☒ feet ☐ meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

☒ Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

☒ Check here if attachments.

Certifier's Name Mark S. Lischalk, PLS	License Number 5727
Title President	Company Name Zarra Boyd, Inc.
Address 1480 Beltrees Street, Ste 3	City Dunedin State FL ZIP Code 34698
Signature [Signature]	Date 8/12/14 Telephone 727-738-9010

[Signature]
8-12-14
PLS 5727

ELEVATION CERTIFICATE, page 2

IMPORTANT: In these spaces, copy the corresponding information from Section A.		FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 3106 Crystal Cay		Policy Number:
City Belleair Beach	State FL ZIP Code 33786	Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Vertical control is based upon L-Net Global Navigation Satellite System (GNSS) Network within the State of Florida. The elevation listed in item C2.e is the top of the wooden pedestal that supports the exterior air conditioning unit.

Signature

Date 8/12/14

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E3. Attached garage (top of slab) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

Address	City	State	ZIP Code
Signature	Date	Telephone	
Comments			

☐ Check here if attachments.**SECTION G – COMMUNITY INFORMATION (OPTIONAL)**

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. ☐ The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
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G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____ ☐ feet ☐ meters Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____ ☐ feet ☐ meters Datum _____

G10. Community's design flood elevation: _____ ☐ feet ☐ meters Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	

☐ Check here if attachments.

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
3106 Crystal Cay

City Belleair Beach

State FL

ZIP Code 33786

FOR INSURANCE COMPANY USE

Policy Number

Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

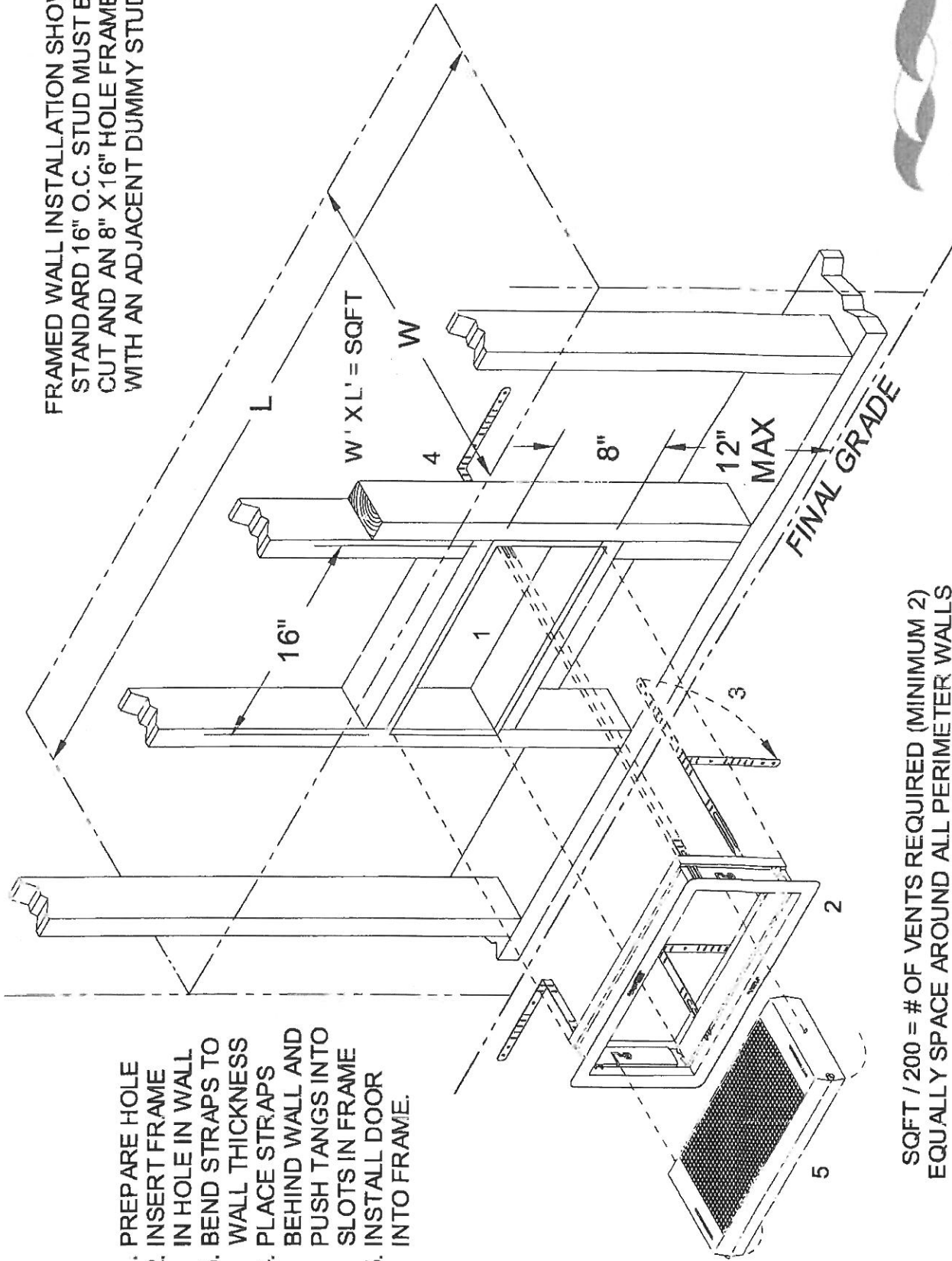


Front & Left Side View 8-12-14



Front & Right Side View 8-12-14

FRAMED WALL INSTALLATION SHOWN
STANDARD 16" O.C. STUD MUST BE
CUT AND AN 8" X 16" HOLE FRAMED
WITH AN ADJACENT DUMMY STUD.



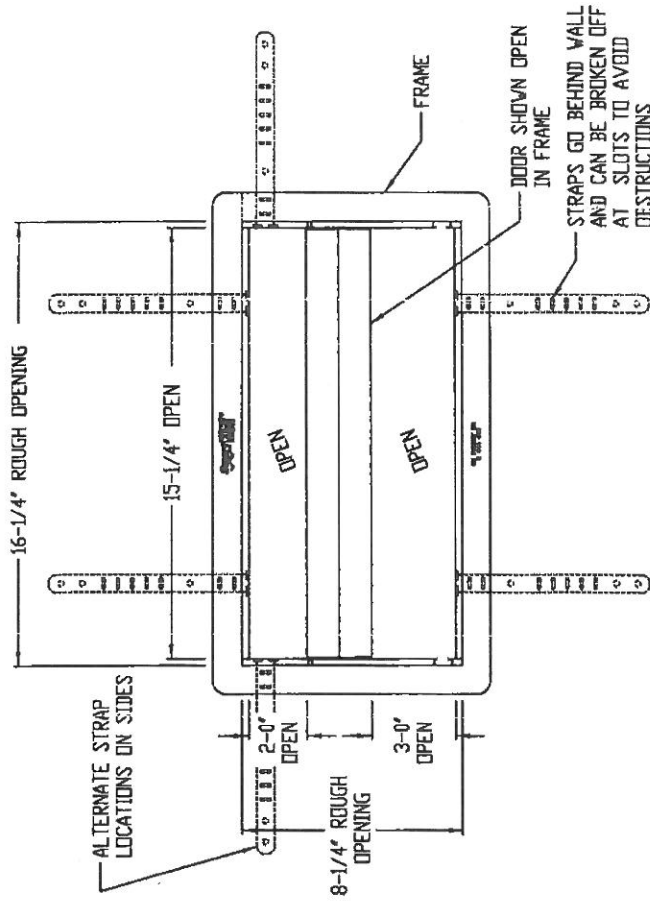
1. PREPARE HOLE
2. INSERT FRAME
IN HOLE IN WALL
3. BEND STRAPS TO
WALL THICKNESS
4. PLACE STRAPS
BEHIND WALL AND
PUSH TANGS INTO
SLOTS IN FRAME
5. INSTALL DOOR
INTO FRAME.

SQFT / 200 = # OF VENTS REQUIRED (MINIMUM 2)
EQUALLY SPACE AROUND ALL PERIMETER WALLS
CAN ONLY BE USED FOR THE CERTIFIED SMART VENT® AND FLOODVENT™

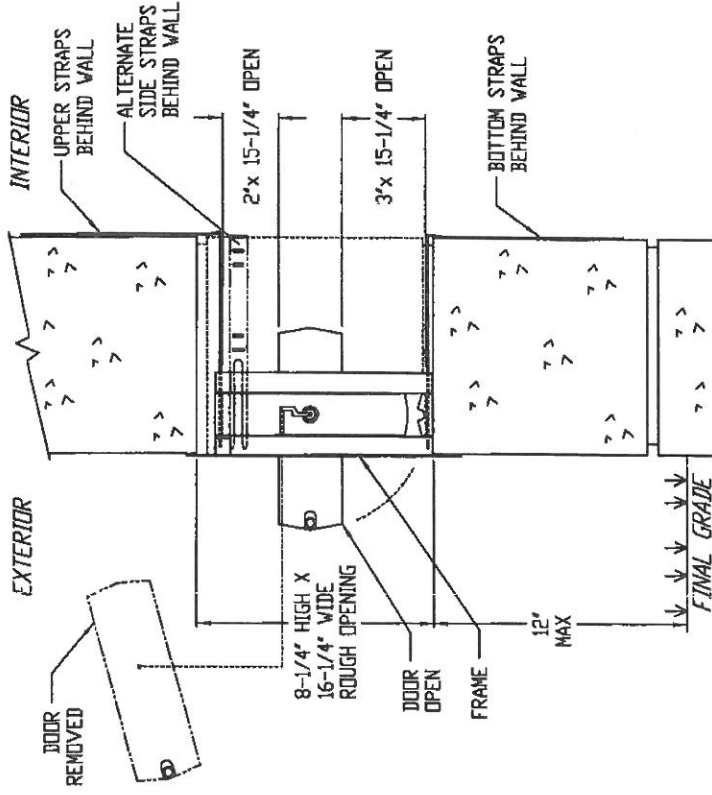


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Smart VENT® BLOCK OR POURED INSTALLATION INSTRUCTIONS



EXTERIOR VIEW



SIDE SECTION VIEW

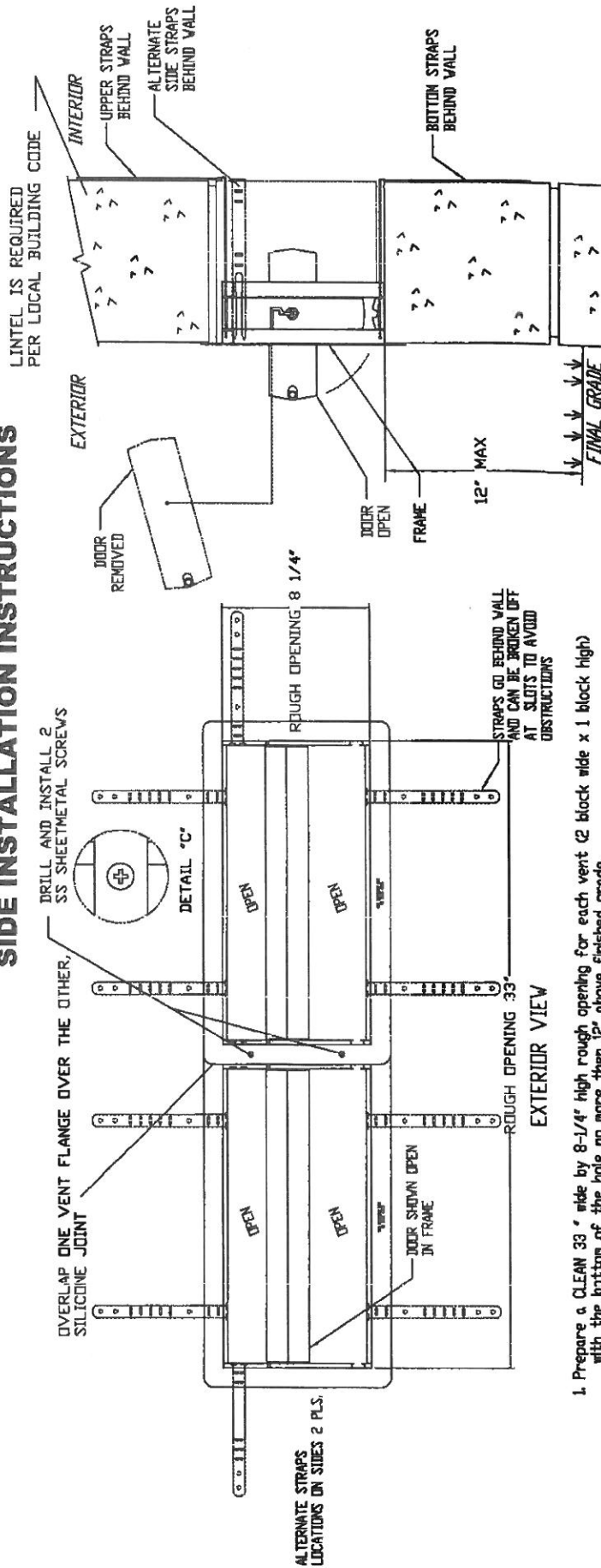
1. Prepare a CLEAN 16-1/4" wide by 8-1/4" high rough opening for each vent (1 block wide x 1 block high) with the bottom of the hole no more than 12" above finished grade.
2. Measure wall thickness and bend (more than 90°) 4 straps at nearest slot to the measurement from pointed end.
3. Remove door from frame. (Turn upside down, rotate bottom of door outward and slide out of slots)
4. Insert two straps into two top sets of slots in frame from rear. After pushing teeth through rear set slots, ONLY PUSH STRAPS ONE CLICK INTO FRONT SLOTS. Straps should have bent legs pointing up.
5. Caulk may be applied behind front frame flange. Tilt frame so top goes into wall opening first with strap legs going behind wall above opening. Push frame into opening so front flange is tight to face of wall.
6. Reach through frame opening and install two bent straps through two bottom sets of slots in frame, trapping wall between front flange and bent strap. Squeeze all straps tight. Frame should be flush to wall face and secure.
7. Check that frame is square and slots are clear of debris, mortar and caulk.
8. Install door into frame by grasping bottom of door (with plastic pins) and front (with smaller squares) facing up. Slide door into frame such that metal pins on each side slide into slots on sides of frame. Let the door slide down following the path of the slots, until they are at the bottom of the slots in the dimples.
9. Let the bottom of the door go so that the door rotates down into the frame. Check that door is latched on both sides.



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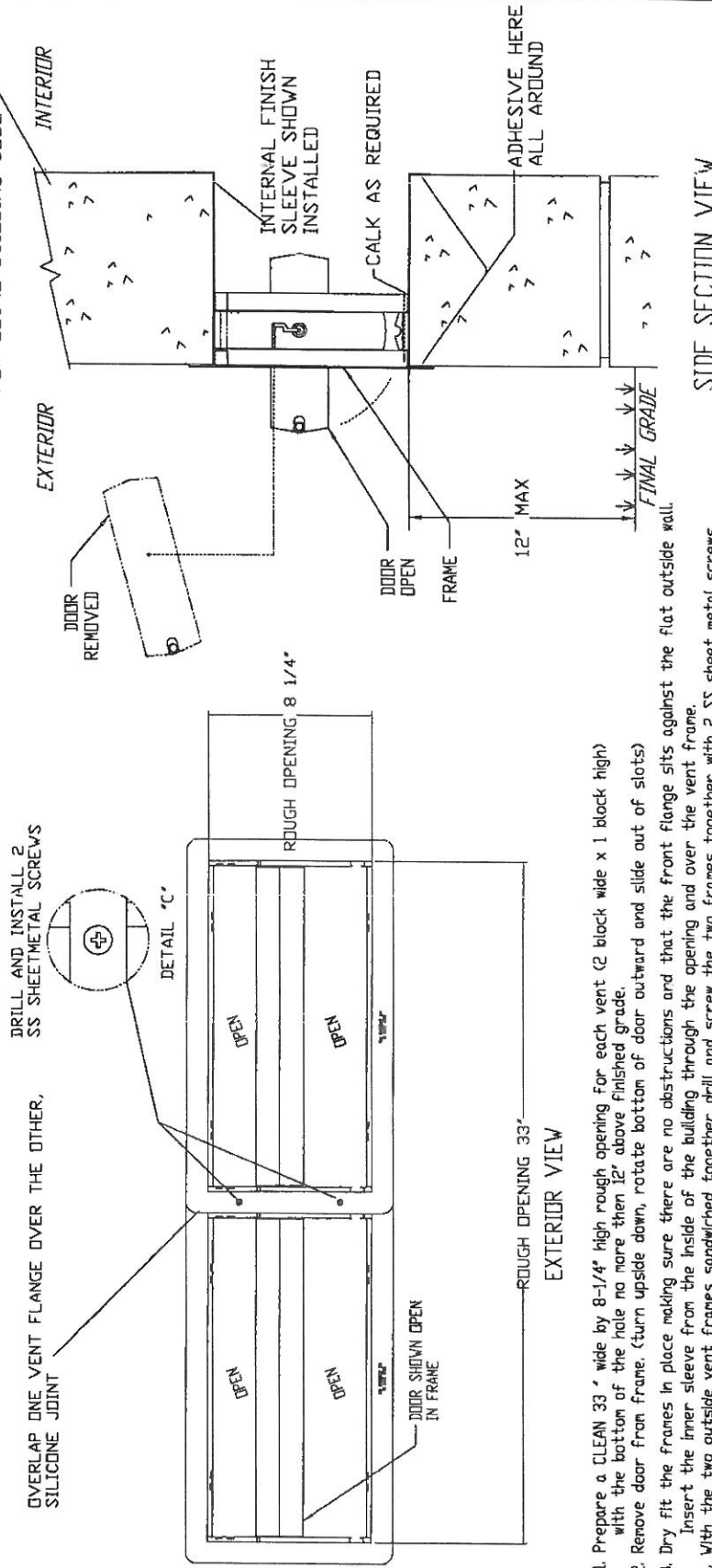
Smart VENT® BLOCK OR POURED SIDE BY SIDE INSTALLATION INSTRUCTIONS



1. Prepare a CLEAN 33" wide by 8-1/4" high rough opening for each vent (2 block wide x 1 block high) with the bottom of the hole no more than 12" above finished grade.
2. Measure wall thickness and bend (more than 50") 8 straps at nearest slot to the measurement from pointed end.
3. Remove door from frame. (Turn upside down, rotate bottom of door outward and slide out of slots)
4. Insert four straps into two top sets of slots in frame from rear. After pushing teeth through rear set slots, ONLY PUSH STRAPS ONE CLICK INTO FRONT SLOTS. Straps should have bent legs pointing up.
5. With the two outside vent frames sandwiched together drill and screw the two frames together with 2 SS sheet metal screws.
6. Caulk or adhesive may be applied behind front frame flange. Tilt frame so top goes into wall opening first with strap legs going behind wall above opening. Push frame into opening so front flange is tight to face of wall.
7. Reach through frame opening and install two vent straps through two bottom sets of slots in frame, trapping wall between front flange and bent strap. Squeeze all straps tight. Frame should be flush to wall face and secure.
8. Check that frame is square and slots are clear of debris, mortar and caulk.
9. Install door into frame by grasping bottom of door (with plastic pins down) and the word "TOP" facing up. Slide door into frame such that metal pins on each side slide into slots on sides of frame. Let the door slide down following the path of the slots, until they are at the bottom of the slots in the diaphragm.
10. Let the bottom of the door go so that the door rotates down into the frame. Check that door is latched on both sides.
11. Insert two thin blades or cards into the float slots and unlatch the door to insure free functionality, then latch again.

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Smart VENT® BLOCK OR POURED SIDE BY SIDE WITH INSIDE SLEEVE INSTALLATION INSTRUCTIONS

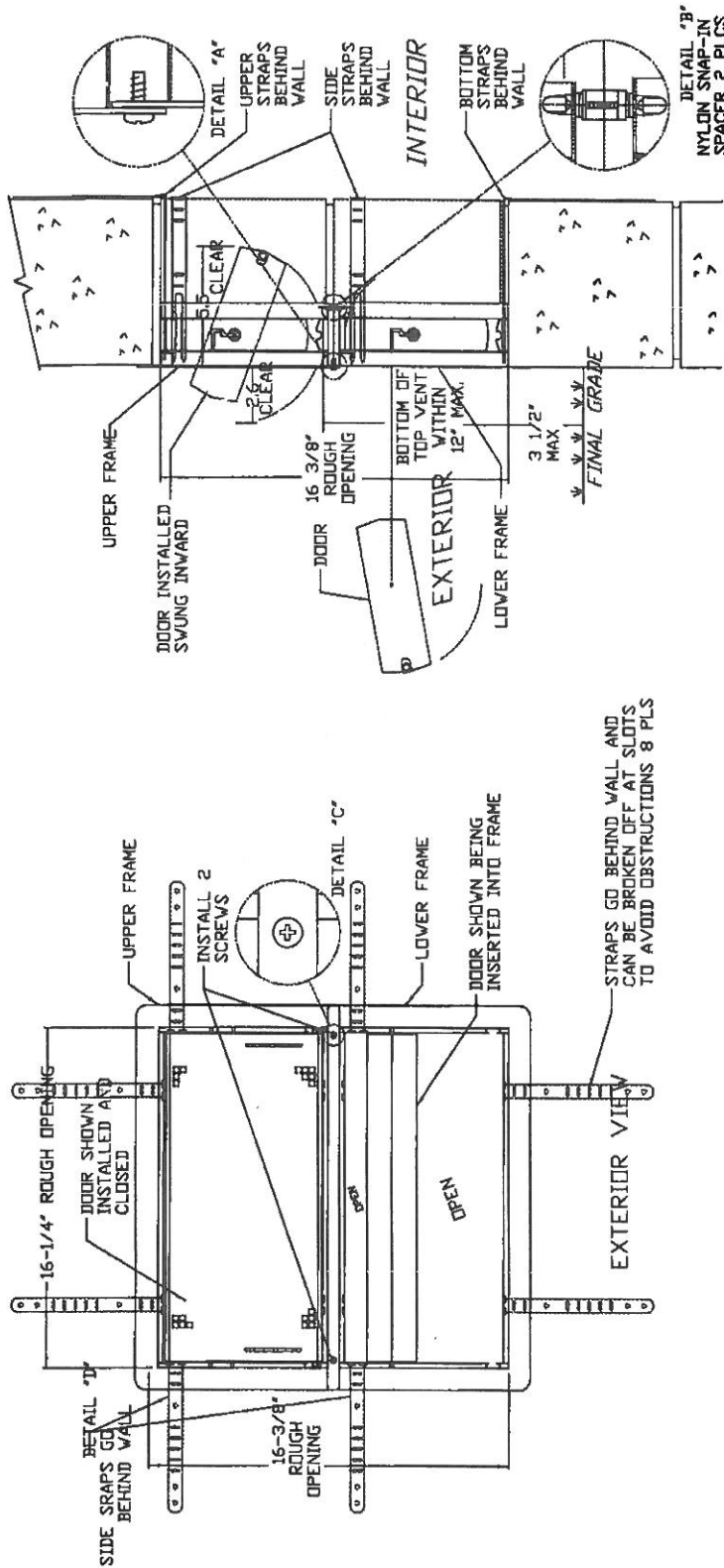


1. Prepare a CLEAN 33" wide by 8-1/4" high rough opening for each vent (2 block wide x 1 block high) with the bottom of the hole no more than 12" above finished grade.
2. Remove door from frame. (turn upside down, rotate bottom of door outward and slide out of slots)
3. Dry fit the frames in place making sure there are no obstructions and that the front flange sits against the flat outside wall. Insert the inner sleeve from the inside of the building through the opening and over the vent frame.
4. With the two outside vent frames sandwiched together drill and screw the two frames together with 2 SS sheet metal screws
5. Apply construction adhesive around the front frame flange where shown. Do not apply adhesive to the inside of vent! and press in place.
6. Apply construction adhesive around the inside trim flange where shown. Do not apply adhesive to the inside of vent! and press in place.
7. Calk as required
8. Install door into frame by grasping bottom of door (with plastic pins down) and the word "TOP" facing up.
9. Slide door into frame such that metal pins on each side slide into slots on sides of frame. Let the door slide down following the path of the slots, until they are at the bottom of the slots in the dimples.
10. Let the bottom of the door go so that the door rotates down into the frame. Check that door is latched on both sides.

Insert two thin blades or cards into the float slots and unlatch the door to insure free functionality, then latch again.

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SMART VENT® STACKING INSTRUCTIONS MODELS 1540-511 AND 1540-521

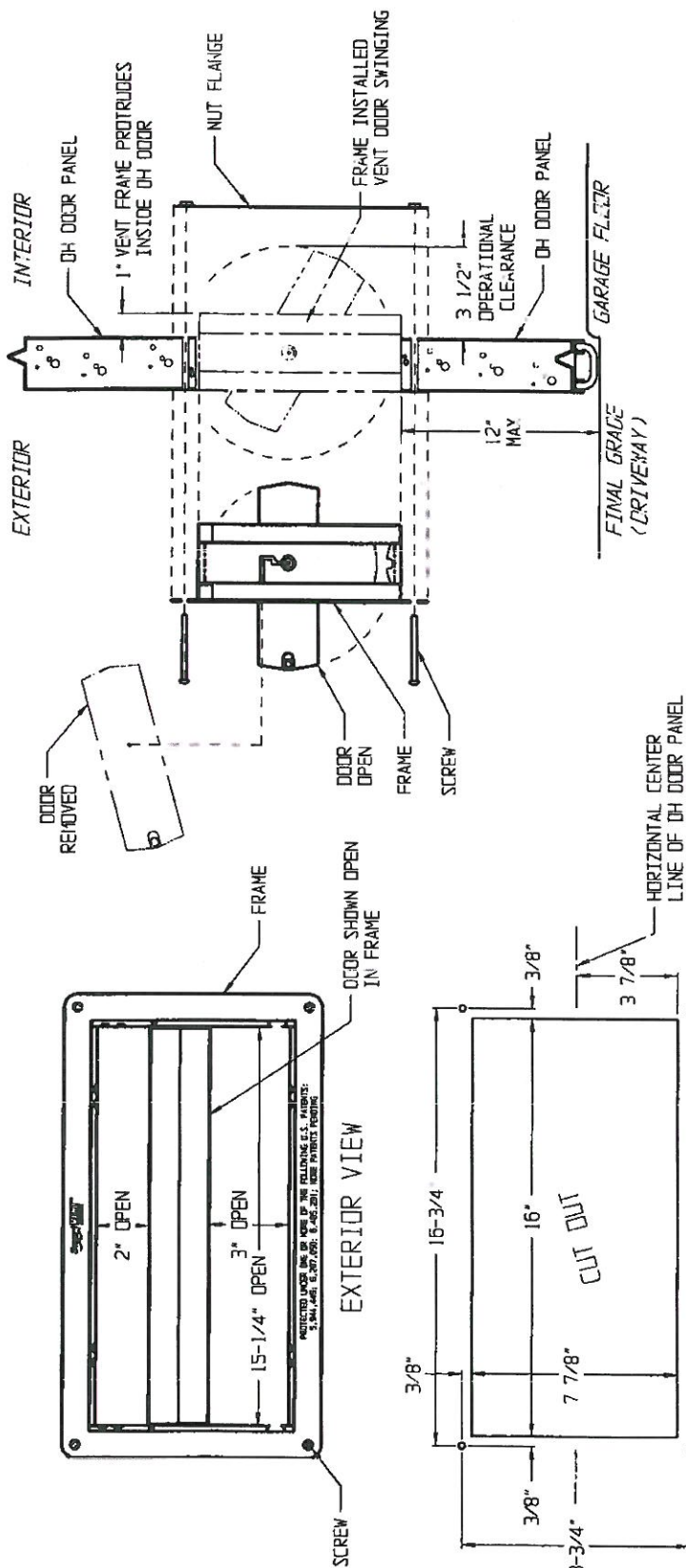


SIDE SECTION VIEW

1. Prepare a CLEAN 16-1/4" wide by 16-3/8" high hole for each set of two stacking vents (1 block wide x 2 blocks high) with the bottom of the hole no more than 3/5" above finished grade.
2. Measure wall thickness and overbend (more than 90°) 8 straps at nearest slot to the measurement from pointed end.
3. Remove doors from frames. Turn upside down, rotate bottom of door outward and slide out of slots.
4. Assemble two frames together using two nylon spacers snapped into holes in rear of frames as shown in Detail 'B'. Place top frame (one with short top flange) over and in front of bottom frame (one with short top flange) and Fasten front of frames together with two self tapping screws as shown in Details 'A' and 'C'. Do not over tighten screws.
5. Insert 2 straps into top slots of TOP frame. Straps should have bent legs pointing up. After pushing teeth through rear slots, ONLY PUSH STRAPS ONE CLICK INTO FRONT SLOTS. They will be tightened later in installation.
6. Chalk may be applied to back of flanges for a better seal to wall face. Place frame assembly into wall opening by sliding the top straps behind wall and resting frame bottom on bottom of wall opening. Press flanges tight to wall face.
7. Reach through bottom frame opening and install two bent straps into two bottom slots with the bent legs of the straps hanging down behind wall and trapping wall between front flange and bent strap. Squeeze tight to wall.
8. Install a strap on each side of both frame openings as shown in Detail 'D'. Install with bent leg pointing outward behind the wall and into slots on each of upper sides. Squeeze tight to wall. Now, squeeze top frame straps tight to wall.
9. Make sure both frames are flush to wall face, secure, square, level and all slots are clear of debris, mortar and caulk.
10. Hold doors from the bottom, parallel to ground and re-install into frames by inserting top first and letting metal pins find slots. Push all way back and allow door to drop and rotate down and both sides latch closed.

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Smart VENT OVERHEAD DOOR INSTALLATION INSTRUCTIONS



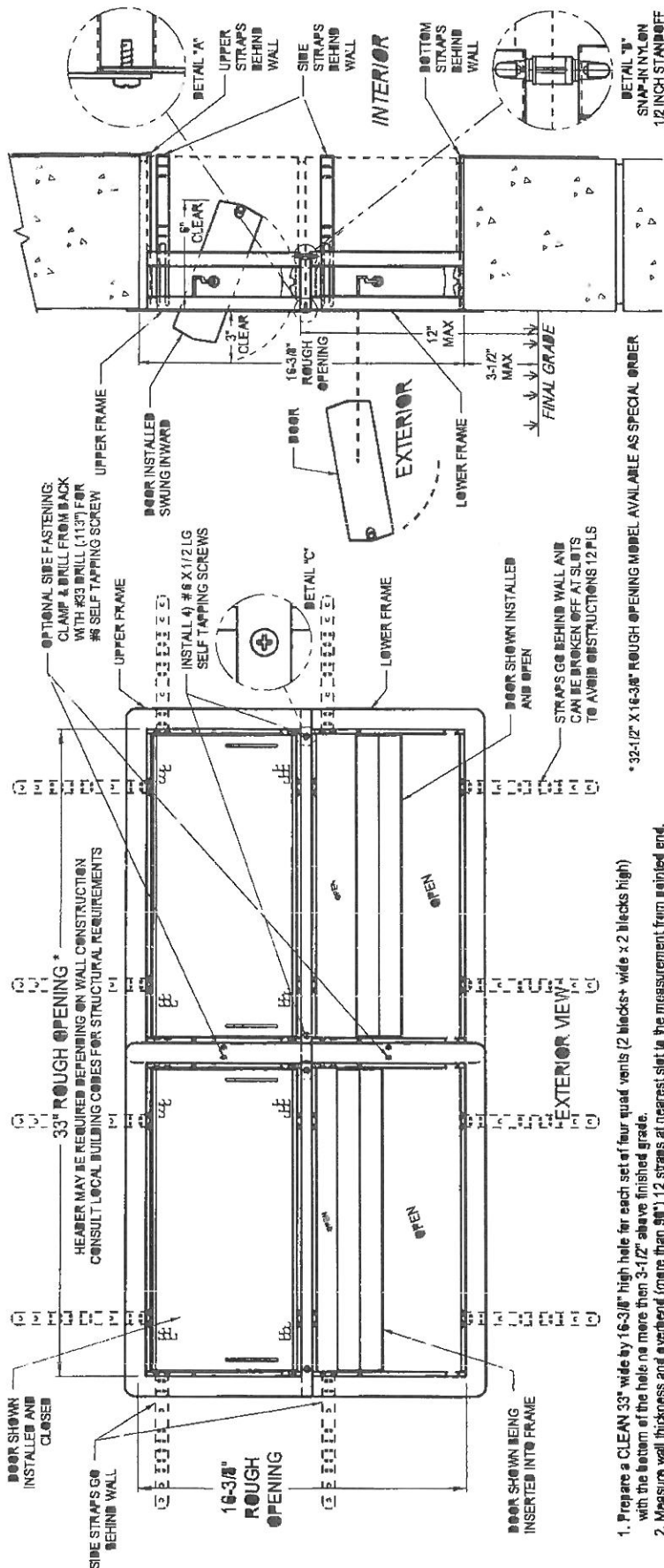
SIDE SECTION VIEW

PATTERN FOR DH DOOR PANEL CUTOUT

1. For each Vent cut a CLEAN, SQUARE, LEVEL 16" wide by 7-7/8" high hole completely through the bottom Over Head (OH) Door Panel with the bottom of the hole level and no more than 12" above finished grade (driveway). Looks best to center Vent vertically of door panel.
2. For each Vent drill four (4) 1/4 inch diameter holes completely through door panel where shown. Vent frame may be used as a template.
3. Clean all sharp metal edges and burrs from opening. Brush away any loose styrofoam from the opening.
4. Remove Vent door from Vent frame. (Turn upside down, rotate bottom of door outward and slide out of frame slots)
5. Insert Vent frame into OH Door Panel with SERIAL NUMBER LABEL on the BOTTOM. Check alignment of holes in Vent frame with holes drilled in OH door panel. Correct holes in OH Door panel if necessary. Make sure Frame sits LEVEL and front flange is FLUSH with the front of OH Door Panel. Caulk may be applied behind Vent front frame flange to seal Vent frame to face of OH Door Panel.
6. Place Nut Flange on inside of Vent frame with nuts facing away from OH Door. Insert 4 screws provided through front of Vent frame and through OH Door into Nut Flange. Tighten screws to secure frame to OH Door but do not over tighten, deforming OH Door or Vent Frame.
7. Check that frame is square and level. Check that slots are clear of debris, metal shavings, styrofoam and caulk.
8. Install Vent door back into frame by grasping bottom of Vent door (with plastic pins) and sliding the metal pins on each side of the Vent door into slots on the insides of frame. Let the Vent door slide down the path of the slots until they are at the bottom in the dimples.
9. 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.
10. 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.



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* 32-1/2" X 16-3/8" ROUGH OPENING MODEL AVAILABLE AS SPECIAL ORDER

SIDE SECTION VIEW

Smart VENTO QUAD INSTRUCTIONS MODELS 1540-550 and 1540-550

1. Prepare a CLEAN 33" wide by 16-3/8" high hole for each set of four quad vents (2 blocks+ wide x 2 blocks high) with the bottom of the hole no more than 3-1/2" above finished grade.
2. Measure wall thickness and overhang (more than 96") 12 straps at nearest slot in the measurement from painted end.
3. Remove stars from frames. (turn upside down, rotate bottom of door outward and slide out of slots)
4. Assemble two sets of two frames together using two nylon spacers snapped into holes in rear of frames as shown in Detail "B". Place top frame (one with short bottom flange) over and in front of bottom frame (one with short top flange) and Fasten front of frames together with two self tapping screws as shown in Details "A" and "C". Do not over tighten screws.
5. Insert 2 straps into top slots of each TOP frame. Straps should have bent legs pointing up. After pushing teeth through rear slots. ONLY PUSH STRAPS ONE CLICK INTO FRONT SLOTS, they will be tightened later in installation.
6. Caulk may be applied to back of flanges for a better seal to wall face. Place frame assembly into wall opening by sliding the top straps behind wall and resting frame bottom on bottom of wall opening. Press flanges tight to wall face.
7. Reach through opening in bottom frames and install four bent straps into two bottom slots with the bent legs of the straps hanging down behind wall and trapping wall between front flange and bent strap. Squeeze tight to back of wall.
8. Install a strap on each side of frame assembly. Install with bent leg pointing outward behind the wall and into slots on each of upper sides. Squeeze tight to wall. Now, squeeze top frame straps tight to wall.
9. Make sure frames are flush to wall face, secure, square, level and all slots are clear of debris, mortar and caulk.
10. Hold doors from the bottom, parallel to ground with back facing ground and re-install into frames by inserting top first and forcing metal pins and slots. Push all way back and allow door to drop and rotate down. Both sides should be latched closed.

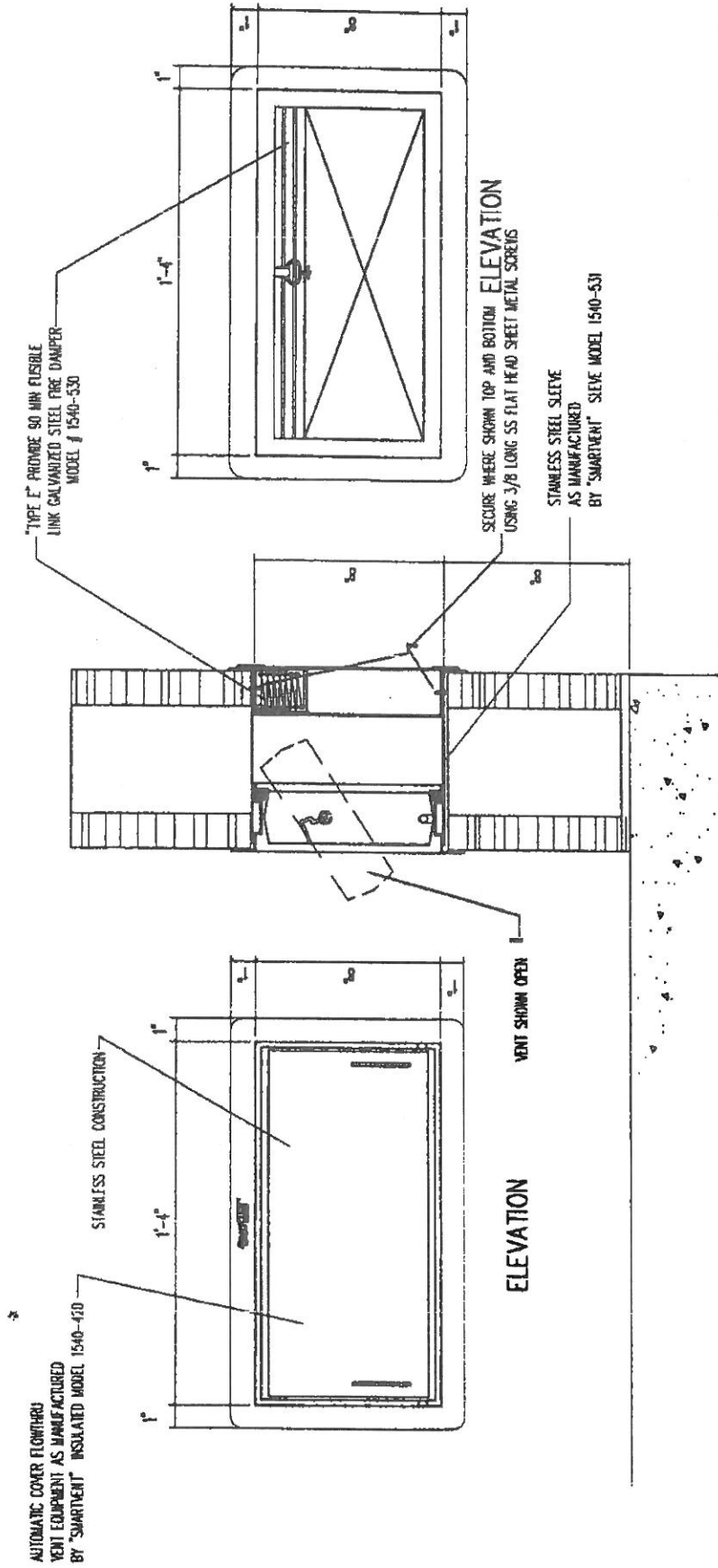


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1/8" SCALE FOR LEGN. SIZE

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FIRE RATED SOLUTION - FLOOD VENT WITH FIRE RATED DAMPER INSTALLATION INSTRUCTIONS



TYPE 'E' FIRE-RATED FLOW THRU VENT

E

SCALE: 3" = 1'-0"

NOTES:

- APPLY FIRE RATED CAULK AROUND SLEEVE THEN SCREW DAMPER IN FOUR PLACES BOTH TOP AND BOTTOM - USE 3/8" MAX. LONG SCREWS-
- INSTALL SLEEVE INTO 1 1/4 X 8 1/4 ROUGH OPENING FILL VOIDS WITH FIRE RATED CAULK
- INSTALL FLOODVENT INTO OPPOSITE SIDE OF OPENING USING ADHESIVE
- INSURE SLEEVE COVERS ANY INNER BLOCK OPENINGS
- INSURE FLOOD VENT DOES NOT COME IN CONTACT WITH FIRE DAMPER WHILE BEING ROTATED FULLY IN BOTH DIRECTIONS
- CONSULT YOUR LOCAL BUILDING CODE FOR SPECIFIC FIRE CODE REGULATIONS

FIRERATEDVENT.dwg 10-15-03



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