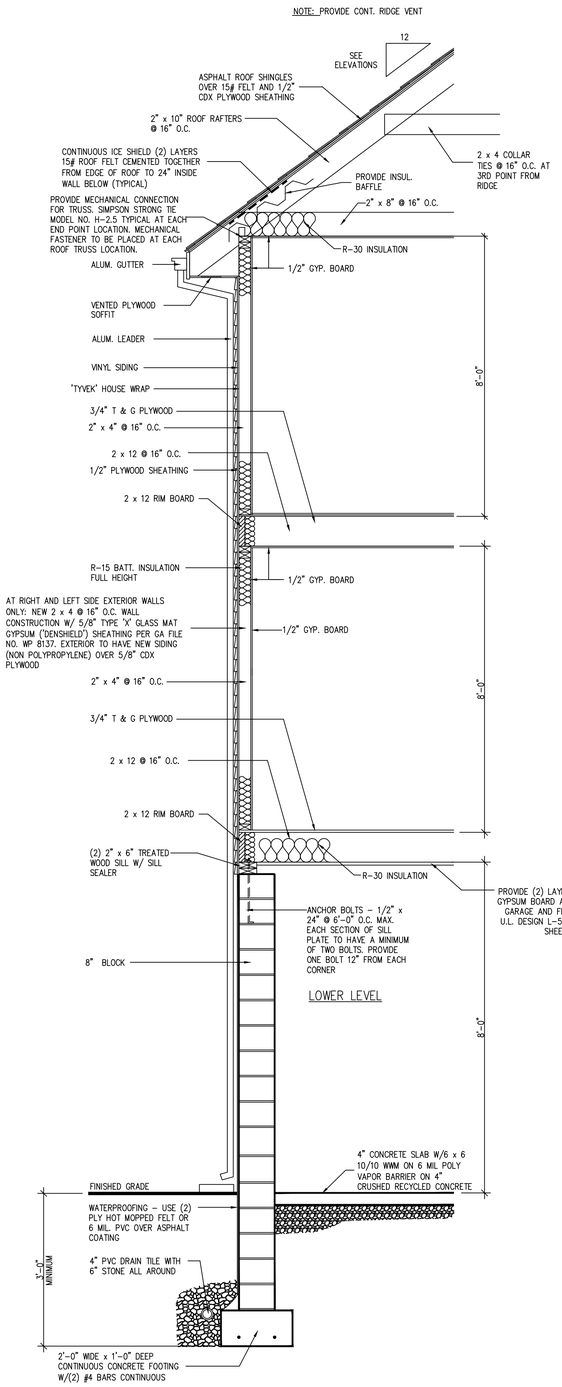
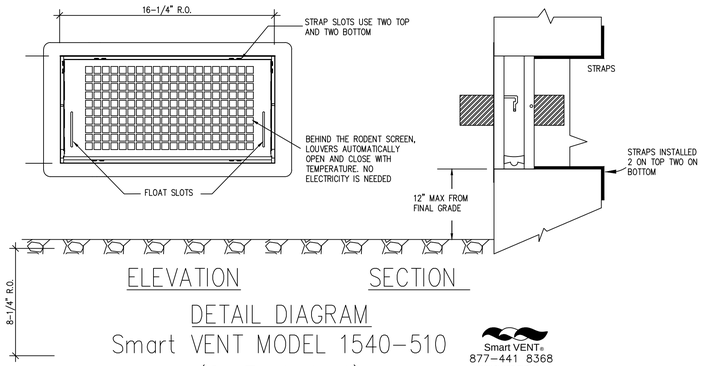


TYPICAL WALL SECTION

SCALE: 1/2" = 1'-0"



ELEVATION SECTION

DETAIL DIAGRAM
Smart VENT MODEL 1540-510
(Or Equivalent)
DUAL FUNCTION FLOOD AND VENTILATION VENT

Smart VENT®
877-441 8368
WWW.SMARTVENT.COM

DETAILED SPECIFICATIONS:

MATERIAL: STAINLESS STEEL

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

OPERATION AIR: AUTOMATIC LOUVERS FULLY OPEN AT 75 DEG. FULLY CLOSED AT 35 DEG. NO POWER REQUIRED

INSTALLATION:
SECURED W/ 4 STAINLESS STEEL STRAPS SUPPLIED
HYDROSTATIC RELIEF: 200 Sq. Ft per Vent
VENTILATION: 51 Sq. Ft per Vent
NOTE: VAPOR BARRIER ALLOWS FOR REDUCED VENTILATION
REQUIREMENTS FLOOD: MINIMUM OF 2 VENTS PER ENCLOSED AREA MOUNTED ON AT LEAST TWO DIFFERENT WALLS

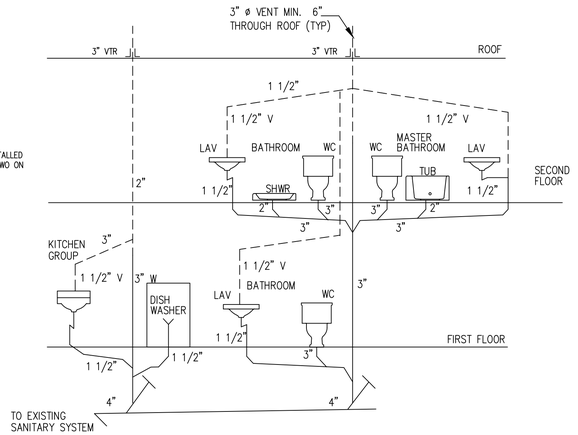
MEETS THE REQUIREMENTS FOR ENGINEERED OPENINGS AS SET FORTH BY: FEMA, NFIP, ICC, & ASCE SUPPORTIVE DOCUMENTS, TB 1-93, 44CFR 60.3(C)(5), ASCE 24-98 ICC EVALUATION # NER-624

FLOOD VENT REQIREMENTS

FLOOD VENTS REQUIRED = 1 PER 200 SQ. FT

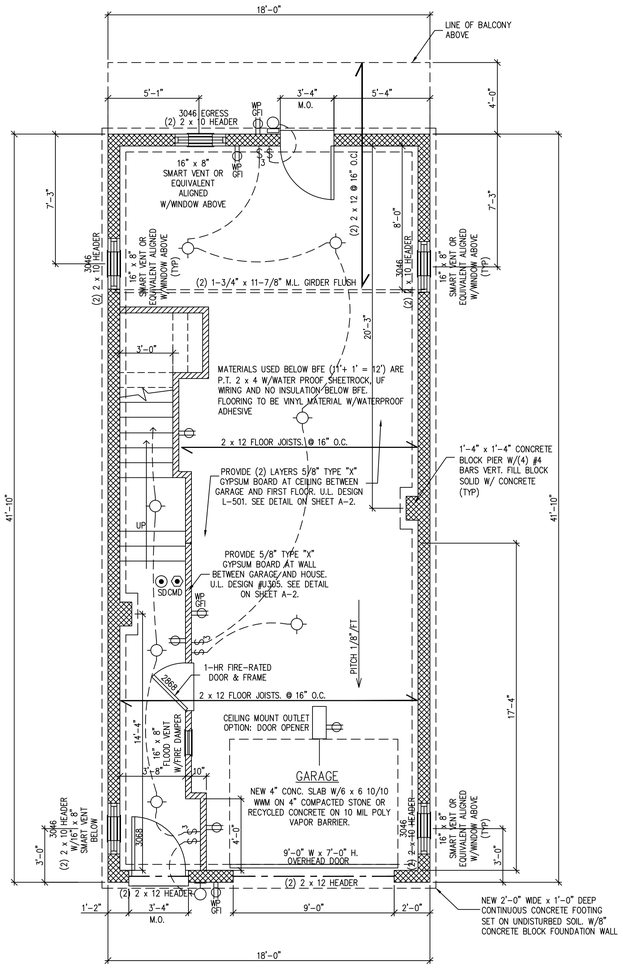
REQUIRED LOWER LEVEL = ±753 SF/200 = 3.8 = 4 VENTS REQ.

VENTS PROVIDED = 5



SCHEMATIC RISER DIAGRAM

N.T.S.



LOWER LEVEL PLAN

NOTE: ALL BUILDING MATERIALS LOCATED BELOW FLOOD PLAIN ELEVATION TO BE MOISTURE RESISTANT.

1. WOOD STUDS AND PLYWOOD TO BE PRESSURE TREATED.

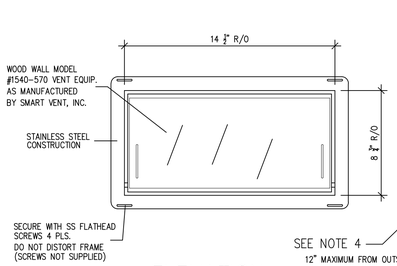
2. GYP. BD. TO BE MOISTURE RESISTANT.

3. INSULATION TO BE EITHER RIGID OR BLOWN.

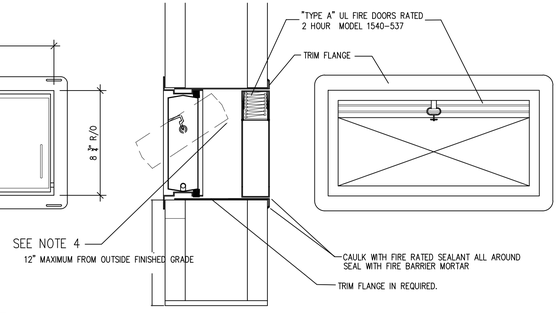
4. STAIRS TO HAVE PRESSURE TREATED TREADS, RISERS AND STRINGERS.

5. INTERIOR DOORS TO BE SOLID CORE.

6. EXTERIOR DOORS TO BE FOAM FILLED MOISTURE RESISTANT.



ELEVATION



DETAIL DIAGRAM
Smart VENT MODEL 1540-537
(Or Equivalent)
DUAL FUNCTION FLOOD AND VENTILATION VENT W/FIRE DAMPER

SECTION

NOTES:
1- INSTALL TRIM FLANGE 1540-573 or 1540-573-4 INTO ROUGH OPENING AND SEAL WITH FIRE RATED CAULK.
2- INSTALL AND SECURE THE FLOOD VENT USING THE 4 SLOTS AND 4 SS SCREWS (NOT SUPPLIED)
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.

REV	DATE	DESCRIPTION

ALBERT ONDAR
NJ LIC NO 10786

A. Ondar Design
Architecture
ALBERT ONDAR
19 TRUMAN DRIVE, MARLBORO
N.J. 07746 (732) 261-9641
EMAIL: ARCHAOD@AOL.COM

Zanderzee Inc.
25 Lawrence Street
Keansburg, New Jersey

Foundation Plan/Details

DWN: GDR | AOD NO: 25.85 | SCALE: 1/4" = 1'-0" | DATE: 11.07.25

A-3