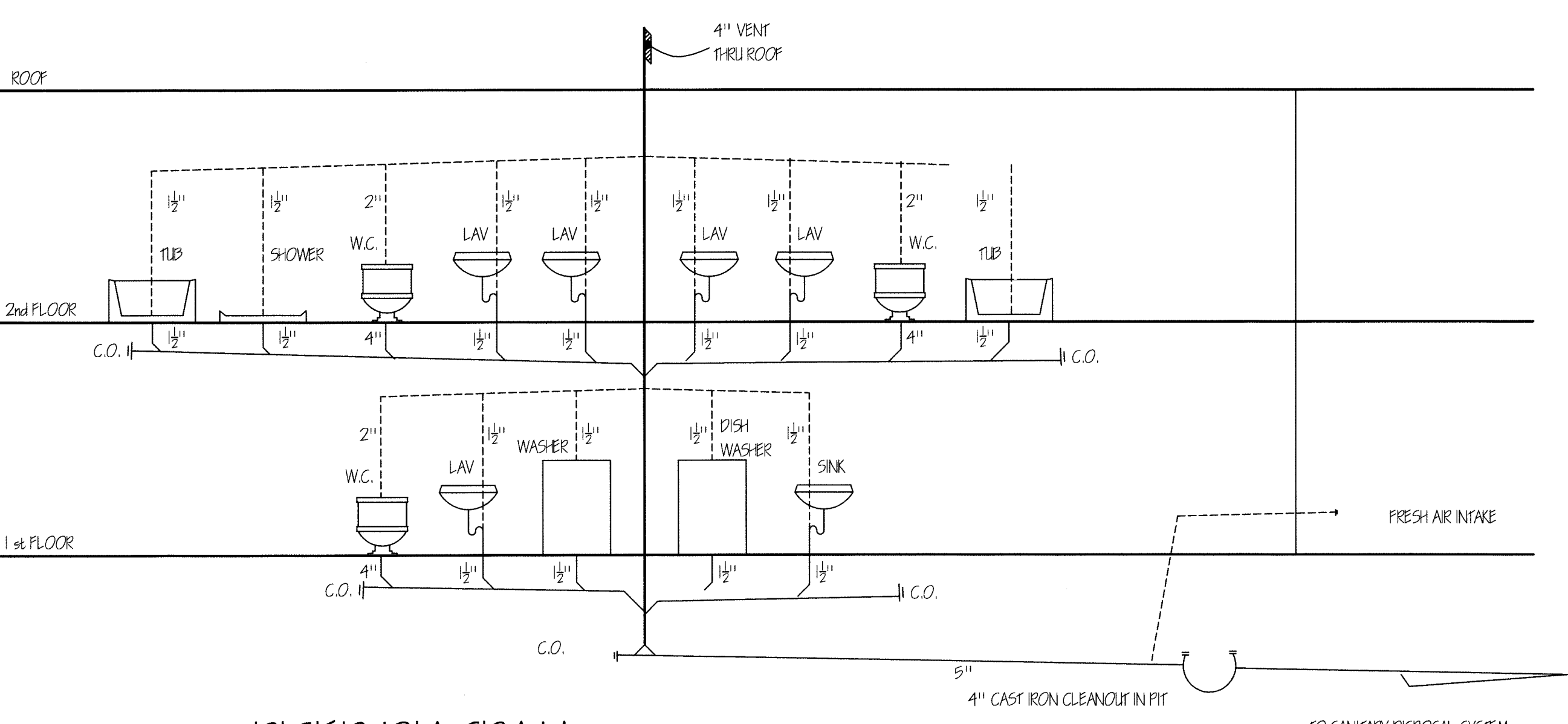


SITE PLAN 1" = 20'-0"

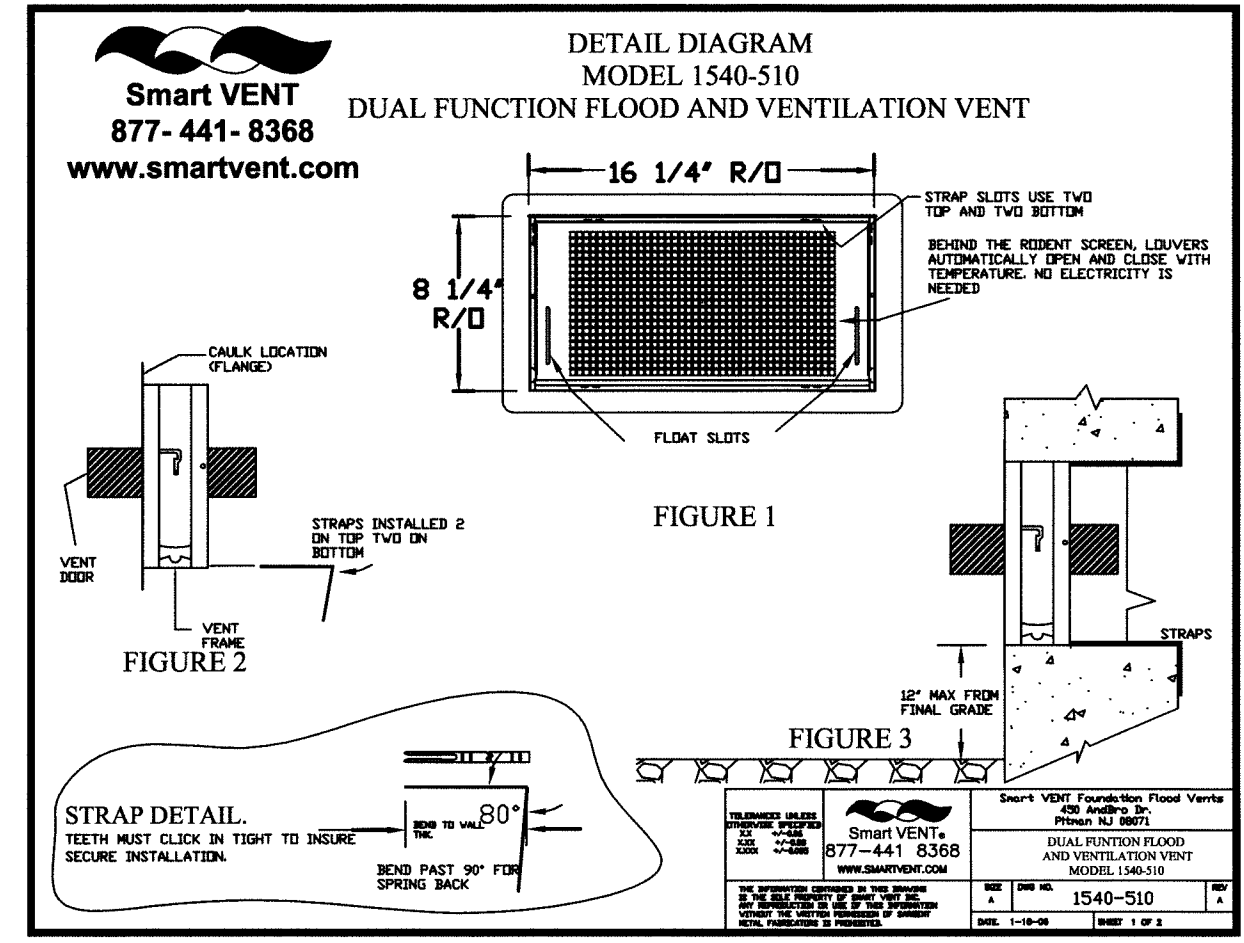
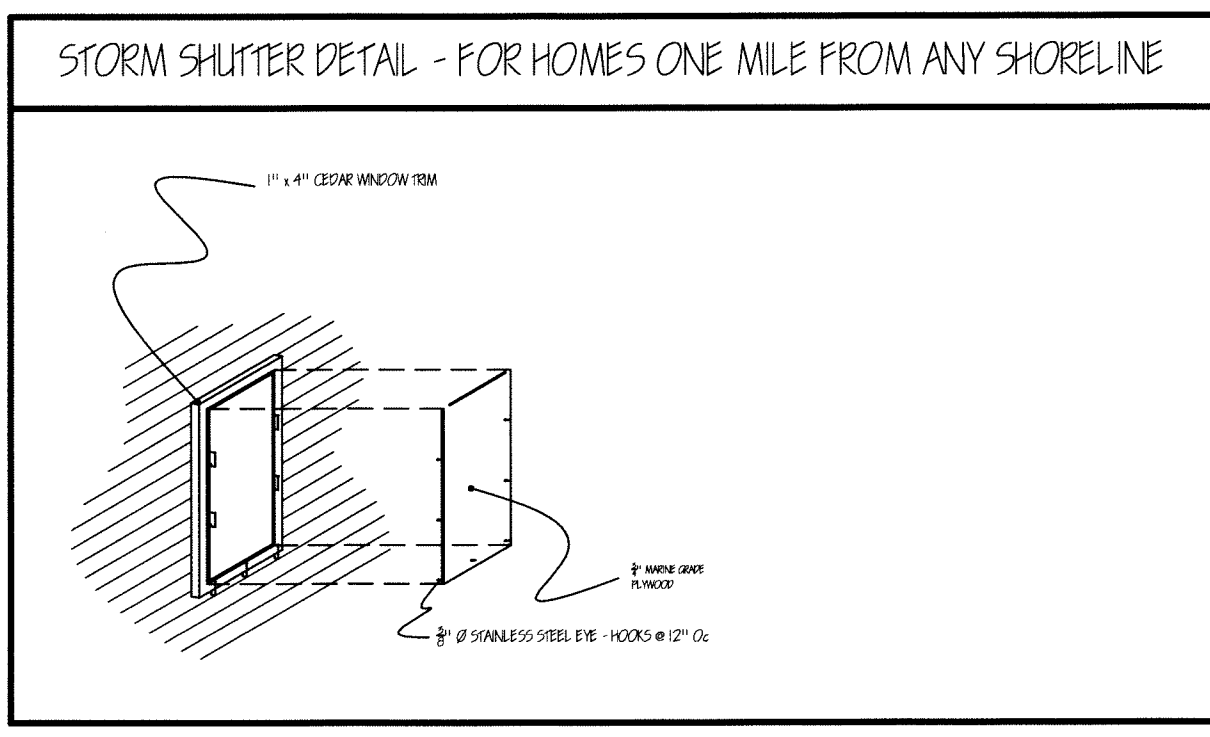
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.



RISER DIAGRAM N.T.S.

TABLE R301.2(1) CLIMATE AND GEOGRAPHIC CRITERIA

GROUND SNOW LOAD	WIND SPEED (MPH)	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM				WINTER DESIGN TEMP.	ICE SHIELD UNDERLAMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX
			WEATHERING	FROST LINE DEPTH	TERMITES	DECAY				
20 SF	110-120	C	SEVERE	36 INCHES	MODERATE TO SEVERE	SLIGHT TO MODERATE	15 DEGREES	YES	SEE PLANS EXAMINER	SEE PLANS EXAMINER



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

INSTALLATION INSTRUCTIONS & DETAILS
MODEL 1540-510
DUAL FUNCTION FLOOD AND VENTILATION VENT

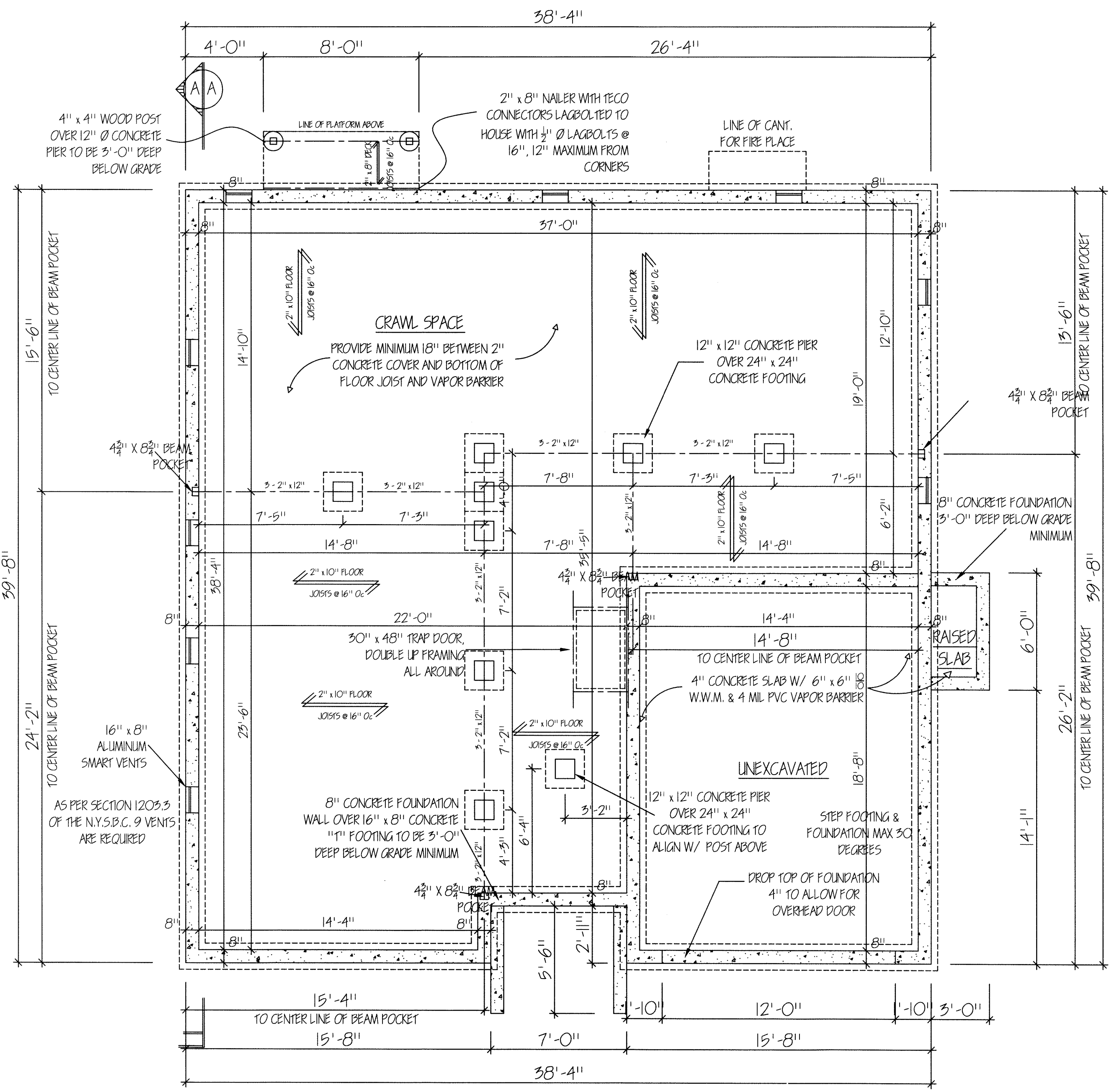
INSTALLATION INSTRUCTIONS

- Remove vent door from vent frame. (Turn upside down, rotate bottom of door outward and slide out)
- Prepare a CLEAN 16 1/4" wide by 8 1/4" high rough opening (approx. 1 block wide X 1 block high) for each vent. Ensure the bottom of the rough opening is no more than 12" above the finished grade.
- Insert the top straps into the top two strap slots about two clicks.
- Apply a bead of polyurethane caulk around the back of the flange on the vent frame. (FIG. 2)
- Insert the vent frame into the rough opening. The best strap ends go in then up behind the inside of the wall. Push the frame tight against the face of the wall. Ensure the frame is flush and square in the opening. (FIG. 3)
- Reach through the vent opening and click the two straps in while holding the front of the vent against the wall face. The sharp point of the straps should not extend past the front of the vent face. Install the two remaining bottom straps.
- Re-check that frame is square and slots are clear of debris and caulk.
- Install the door into frame by grasping the bottom of door (with float pins down) and front (small screen in front). Slide door into frame and rotate until it is locked.
- To open the door insert two credit cards into the float slots as shown in the diagram. This will unlatch the door for removal and cleaning.

DETAILED SPECIFICATIONS:
MATERIAL: TYPE 316 STAINLESS STEEL
OPERATION: FLOOD: AUTOMATIC NON-POWERED ACTIVATION AND OPERATION
VENT: REMAINS CLOSED AND LOCKED UNTIL ACTIVATED
OPERATION: AIR: AUTOMATIC LOWERS FULLY OPEN AT 7% DEG. FULLY CLOSED AT 35 DEG. NO POWER REQUIRED

INSTALLATION:
HORIZONTAL: MOUNTED BY 4 STAINLESS STEEL STRAPS SUPPLIED
HYDROSTATIC RESIST: 200 PSF PER VENT
VENTILATION: 14 SQ. FT. PER VENT
NOTE: VAPOR BARRIER ALLOWED FOR REDUCED VENTILATION
REQUIREMENTS: FLOOD: MINIMUM OF 2 VENTS PER ENCLOSED AREA MOUNTED ON AT LEAST TWO DIFFERENT WALLS
COLORS: STAINLESS (STANDARD)
EXTERIOR FINISH: COATED WHITE, TAN, GRAY, AND BRUSH (AVAILABLE)

MEETS THE REQUIREMENTS FOR ENGINEERED OPENINGS AS SET FORTH BY:
FEMA, NIP, ICC, & ASCE
SUPPORTIVE DOCUMENTS: TB 150, ASCE 6(1995), ASCE 24-98
ICC EVALUATION # ESR-434



FOUNDATION PLAN 1/4" = 1'-0"

CALCULATIONS:
WALL AREA: = 2750.43sqft.

WINDOW AREA: = 298sqft.

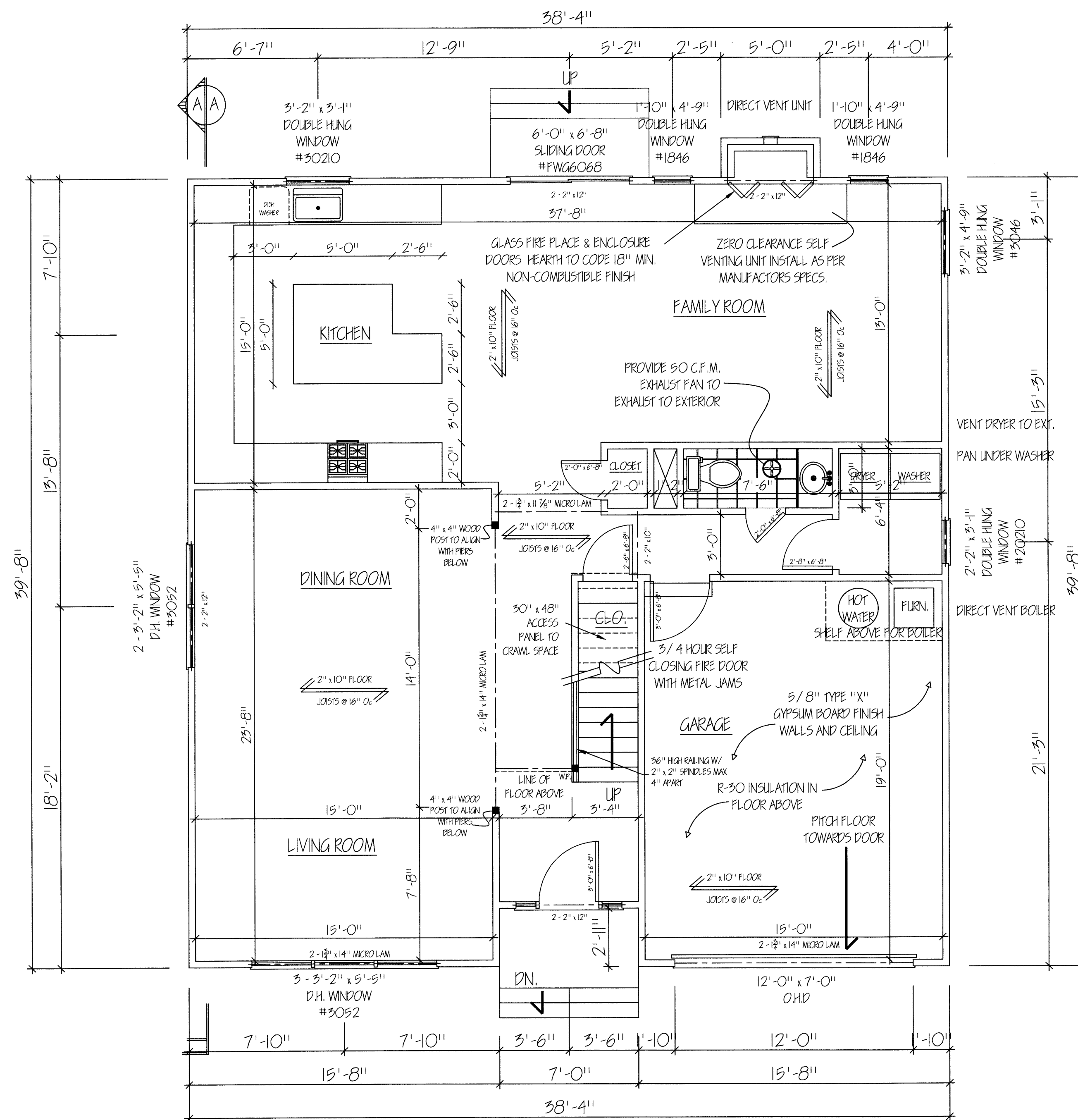
CEILING AREA:
FLAT: = 1500sqft.

FLOOR AREA:
UNCONDITIONED: = 1500sqft.

DOOR AREA:
GLASS:
(1)(6'-0" x 6'-8") = 40.00sqft.
SOLID:
(1)(3'-0" x 6'-8") = 20.00sqft.

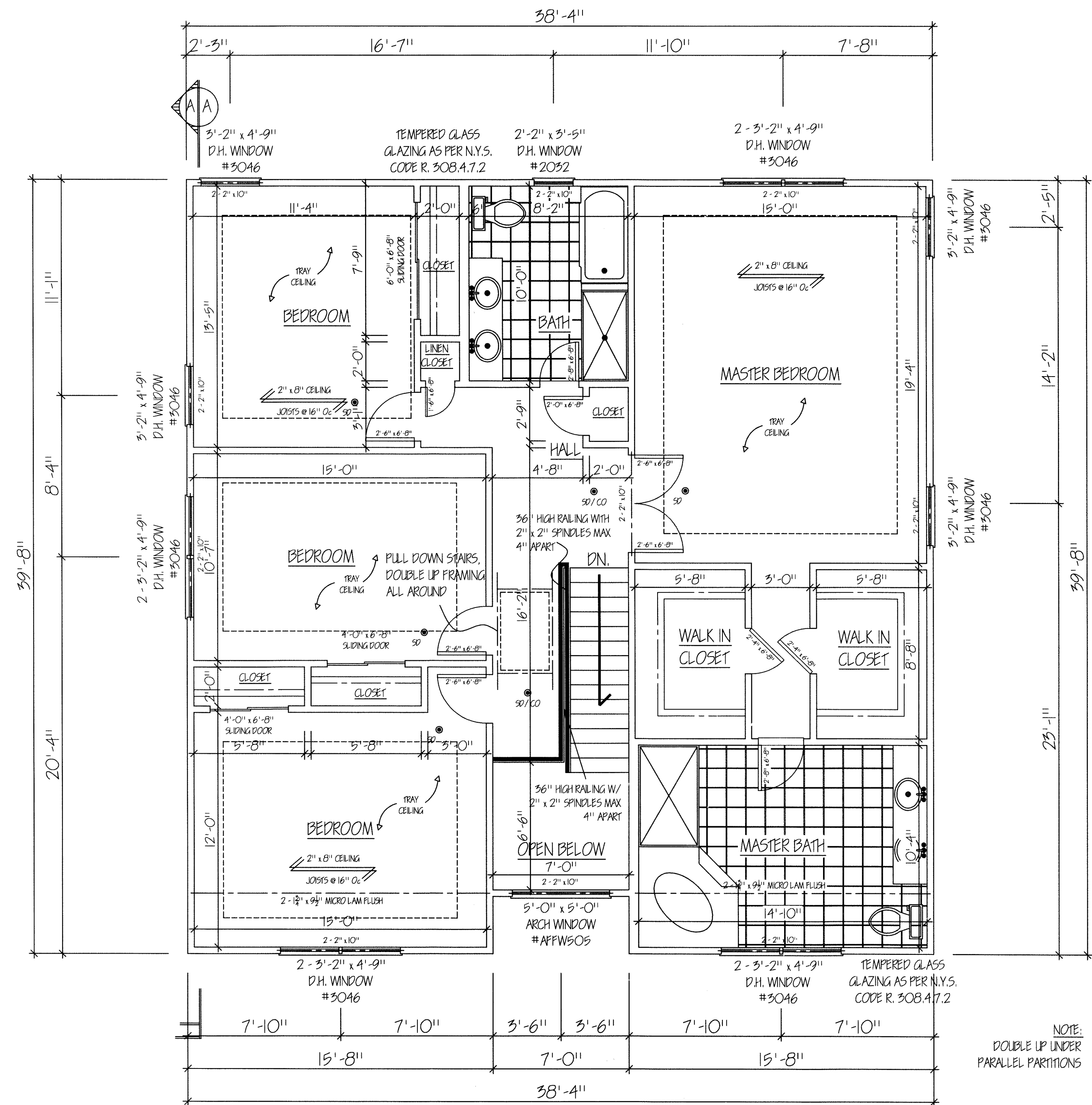
09/14/12
08/30/12
08/14/12
07/30/12

EAGLE DESIGN ASSOCIATES 924 NEWBRIDGE ROAD NORTH BELLMORE, NY 11710 PHONE # (516) 791-5506 FAX # (516) 826-6368			
CUSTOM VILLAGE HOMES 14 LAKE END MERRICK			
DATE	DRAWING #	SCALE	SHEET #
09/09/12	120425	NOTED	1 OF 4



FIRST FLOOR PLAN

1/4" = 1'-0"



SECOND FLOOR PLAN

1/4" = 1'-0"

09/14/12
08/30/12
08/14/12
07/30/12

EAGLE DESIGN ASSOCIATES 924 NEWBRIDGE ROAD NORTH BELLMORE, NY 11710 PHONE # (516) 791-5506 FAX # (516) 826-6368			
CUSTOM VILLAGE HOMES 14 LAKE END MERRICK			
DATE	DRAWING #	SCALE	SHEET #
05/09/12	120425	NOTED	2 OF 4

2" x 4" COLLAR TIES @ 32"
OC IN UPPER 1/3 OF ATTIC
SPACE

ROOF CONSTRUCTION:
ASPHALT SHINGLES OVER 30 # FELT PAPER OVER 1/2" CDX
PLYWOOD OVER 2" x 8" ROOF RAFTERS @ 16" OC

CEILING CONSTRUCTION:
2" x 8" CEILING JOISTS @ 16" OC WITH R-19 INSULATION
AND 1/2" GYPSUM BOARD, 3 COATS TAPE AND SPACKLE

1/2" x 20 GAUGE GALVANIZED STRAPPING AT
BIRD'S MOUTH AND RAFTER CONNECTION @ 16"
O.C. W/ MINIMUM OVERLAP @ STUDS OF 12"
NAILED AS PER TABLE 3.4B W.F.C.M.

WALL CONSTRUCTION:
VINYL SIDING OVER 15# FELT PAPER, OVER 1/2" OSB
PLYWOOD SHEATHING OVER 2" x 4" STUDS @ 16" OC
WITH R-19 INSULATION AND FINISHED WITH 1/2"
GYPSUM BOARD, 3 COATS TAPE AND SPACKLE

1/2" x 20 GAUGE GALVANIZED STRAPPING FROM SECOND
FLOOR WALLS STUDS TO FIRST FLOOR WALL STUDS @ 16"
OC WITH A MINIMUM OVERLAP OF 12" AND NAILED AS PER
TABLE 3.4B W.F.C.M.

FLOOR CONSTRUCTION:
3/4" PLYWOOD SUBFLOOR OVER
2" x 10" FLOOR JOISTS @ 16" OC

1/2" x 20 GAUGE GALVANIZED STRAPPING FROM FIRST FLOOR
WALL STUDS OVER BOX BEAM AND SILL PLATE, TO BE
WRAPPED AT THE SILL PLATE AND BROUGHT UNDER THE PLATE
AND SECURE INTO THE TOP OF THE PLATE, AT 16" O.C. W/
A MINIMUM OVERLAP AT THE STUDS OF 12". NAILED AS PER
TABLE 3.4B W.F.C.M.

2 - 2" x 6" TREATED LUMBER SILL W/ TERMITES SHIELD
5/8" Ø ANCHOR BOLTS @ 42" O.C. - 12" MAX EACH CORNER

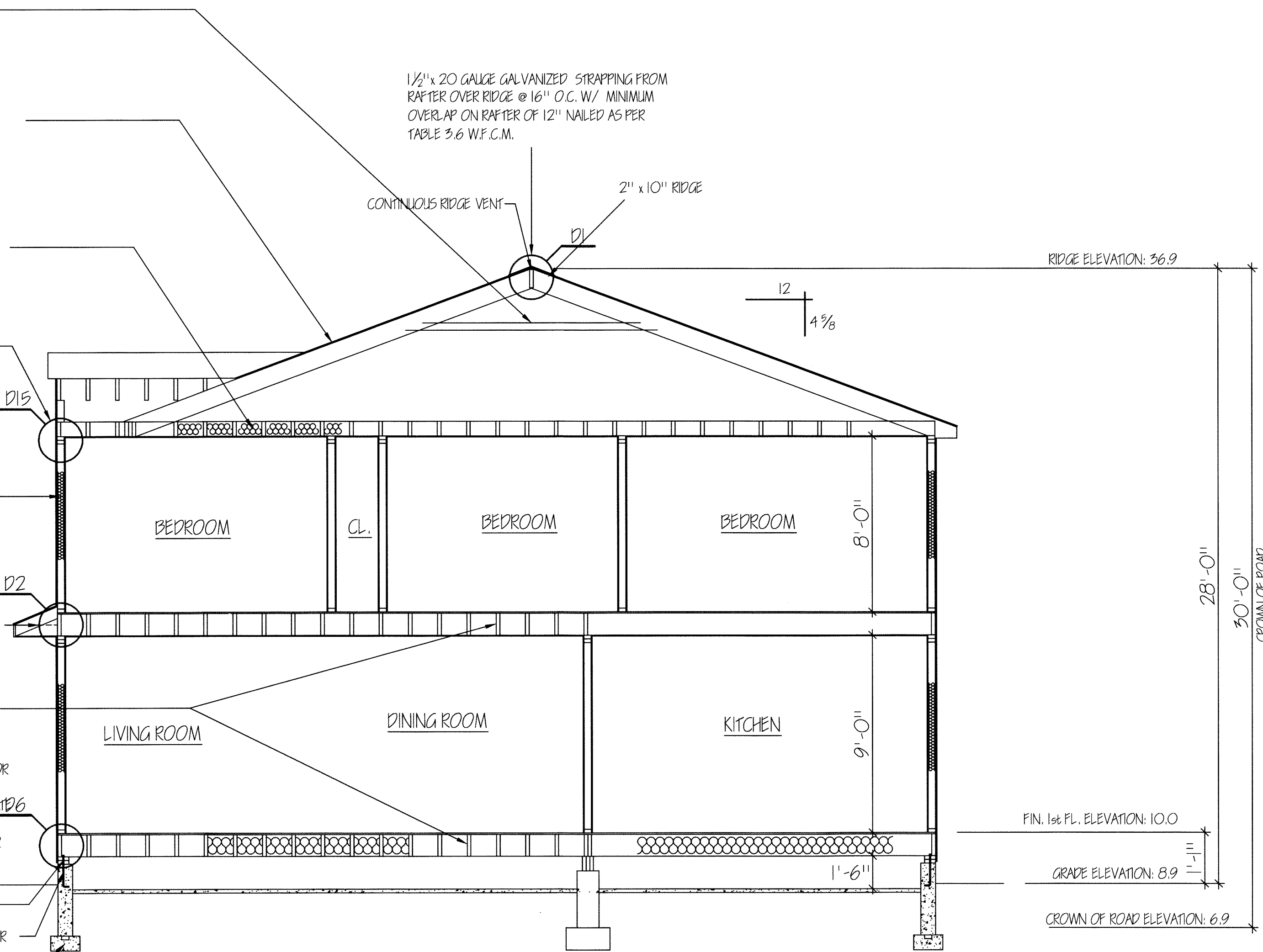
8" CONCRETE FOUNDATION WALL OVER
16" x 8" CONCRETE 1" FOOTING WITH
2 - #4 BARS CONTINUOUS AND WITH
2" x 4" CONTINUOUS KEYWAY
3/4" DEEP BELOW GRADE

1/2" x 20 GAUGE GALVANIZED STRAPPING FROM
RAFTER OVER RIDGE @ 16" O.C. W/ MINIMUM
OVERLAP ON RAFTER OF 12" NAILED AS PER
TABLE 3.6 W.F.C.M.

CONTINUOUS RIDGE VENT

2" x 10" RIDGE

D8, OR D10 & D15

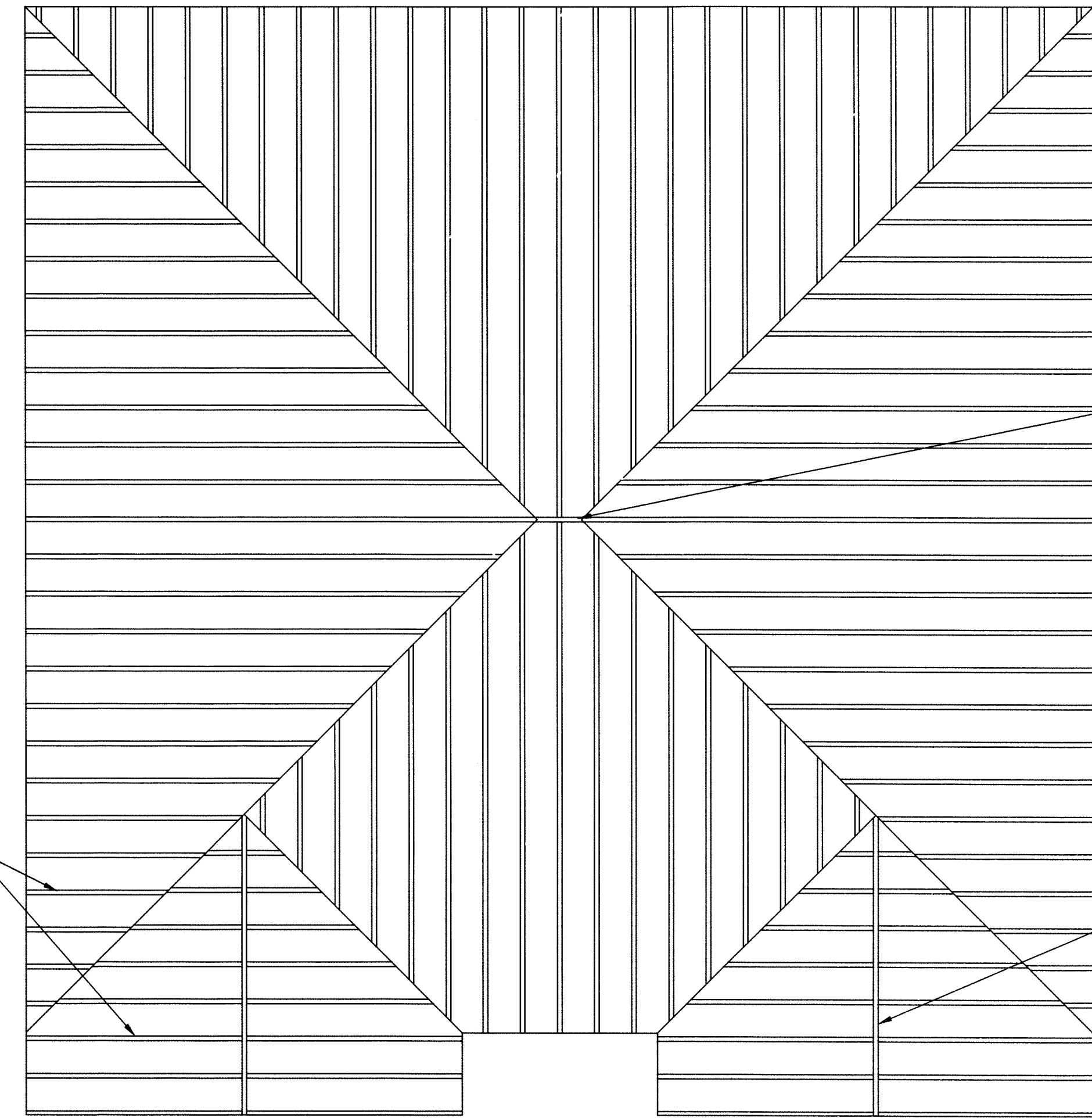


SECTION A-A

1/4" = 1'-0"

A-A

ROOF CONSTRUCTION:
ASPHALT SHINGLES OVER 30 #
FELT PAPER OVER 1/2" CDX
PLYWOOD OVER 2" x 8" ROOF
RAFTERS @ 16" OC



ROOF PLAN

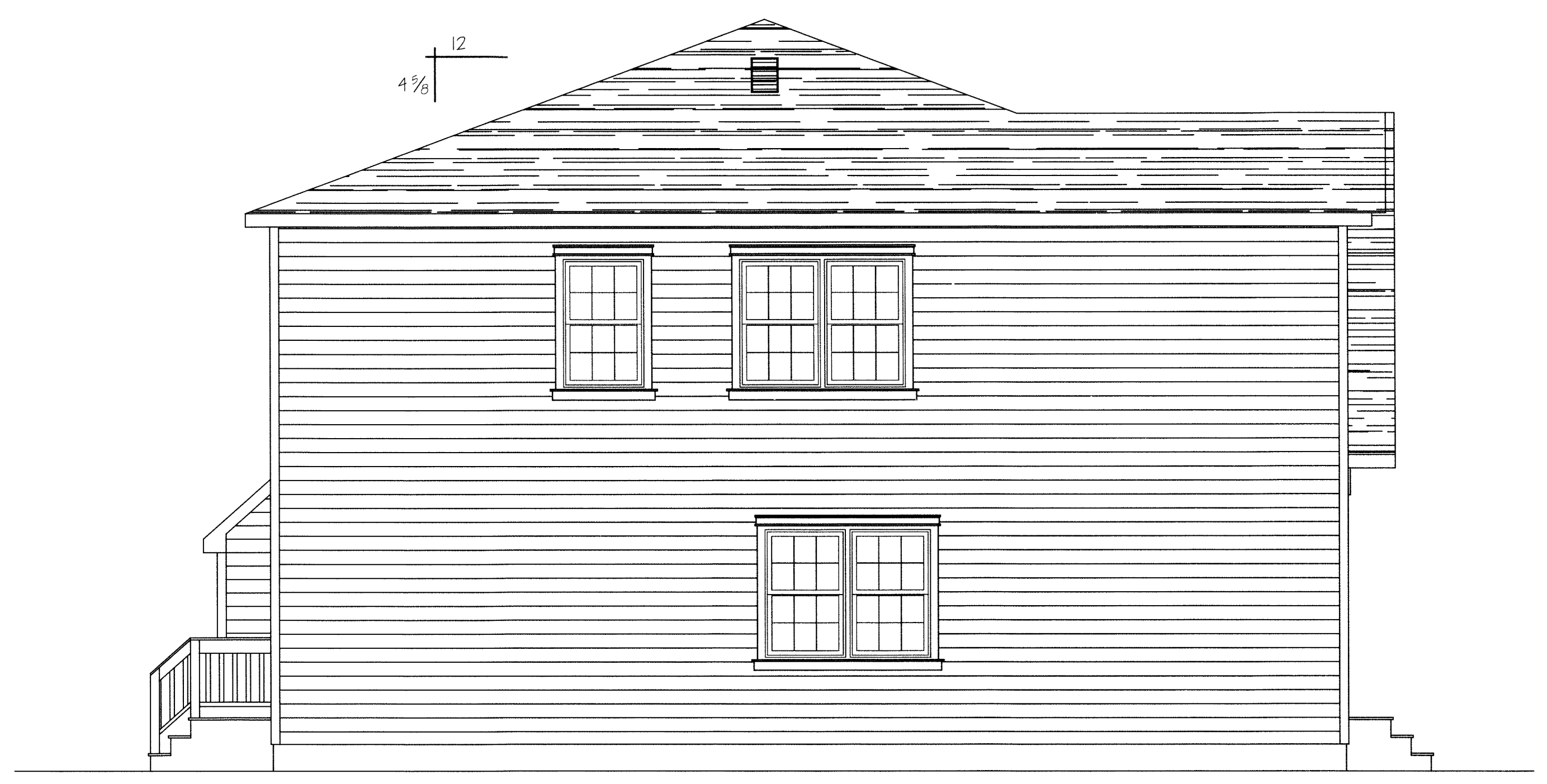
1/4" = 1'-0"

09/14/12
08/30/12
08/14/12
07/30/12

EAGLE DESIGN ASSOCIATES 924 NEWBRIDGE ROAD NORTH BELLMORE, NY 11710 PHONE # (516) 731-5506 FAX # (516) 826-6368			
CUSTOM VILLAGE HOMES 14 LAKE END MERRICK			
DATE 05/09/12	DRAWING # 120425	SCALE NOTED	SHEET # 3 OF 4



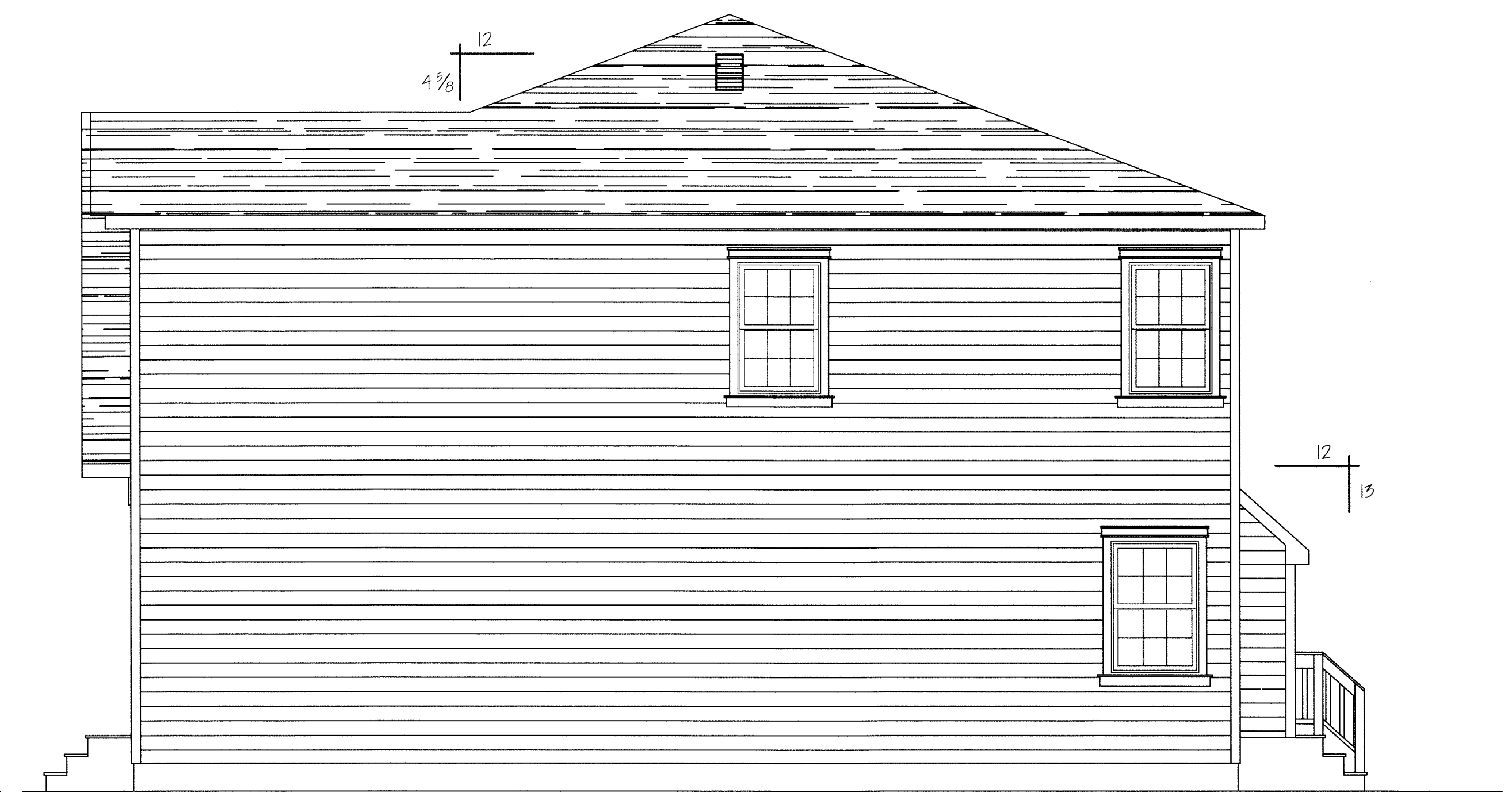
FRONT ELEVATION 1/4" = 1'-0"



LEFT SIDE ELEVATION 1/4" = 1'-0"



REAR ELEVATION 1/4" = 1'-0"



RIGHT SIDE ELEVATION 1/4" = 1'-0"

08/20/12
08/14/12
07/30/12

EAGLE DESIGN ASSOCIATES 924 NEWBRIDGE ROAD NORTH BELLMORE, NY 11710 PHONE # (516) 731-5506 FAX # (516) 826-6368			
CUSTOM VILLAGE HOMES 14 LAKE END MERRICK			
DATE	DRAWING #	SCALE	SHEET #
05/09/12	120423	NOTED	4 OF 4