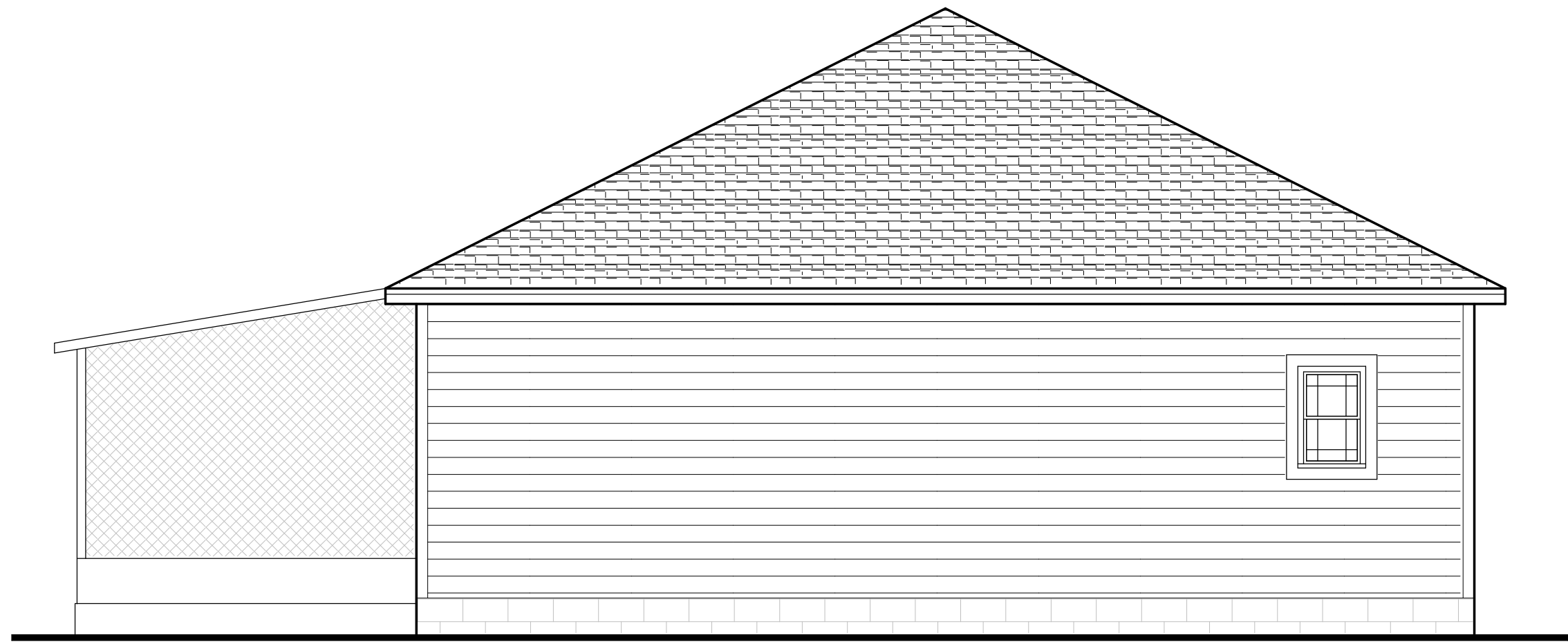
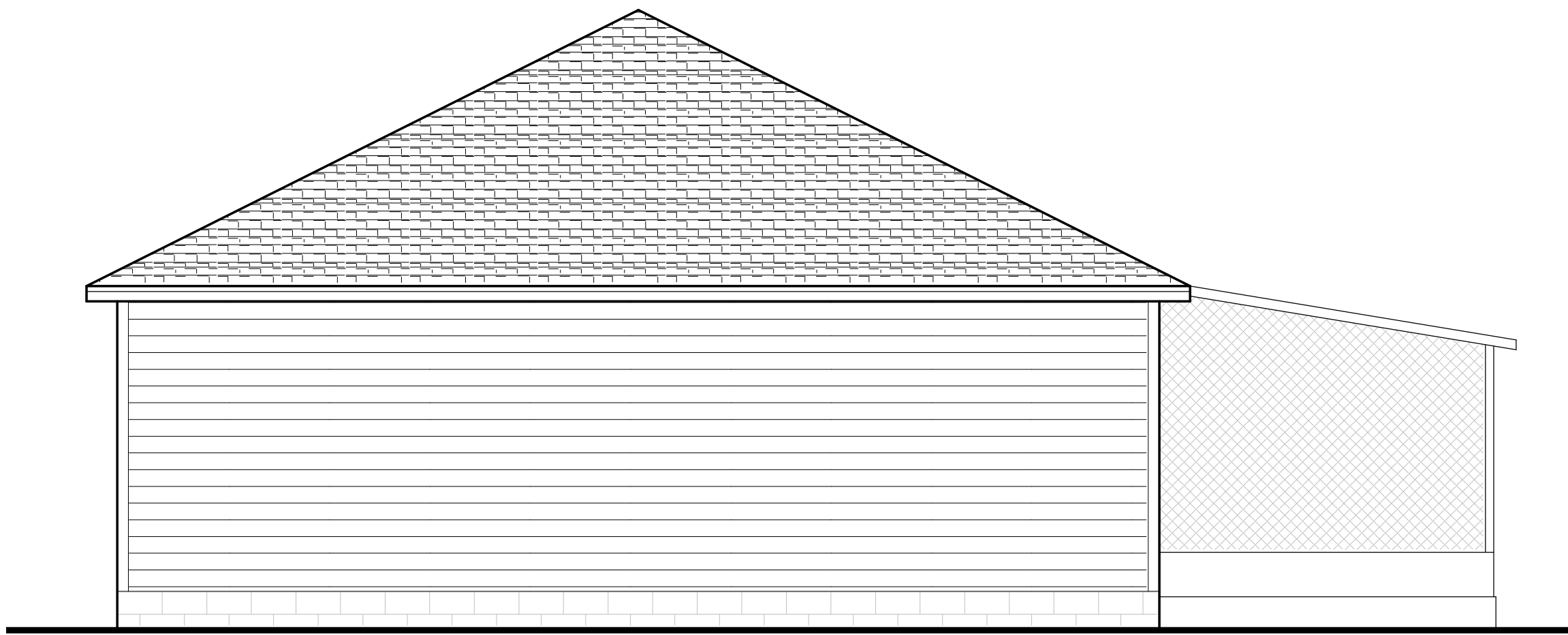




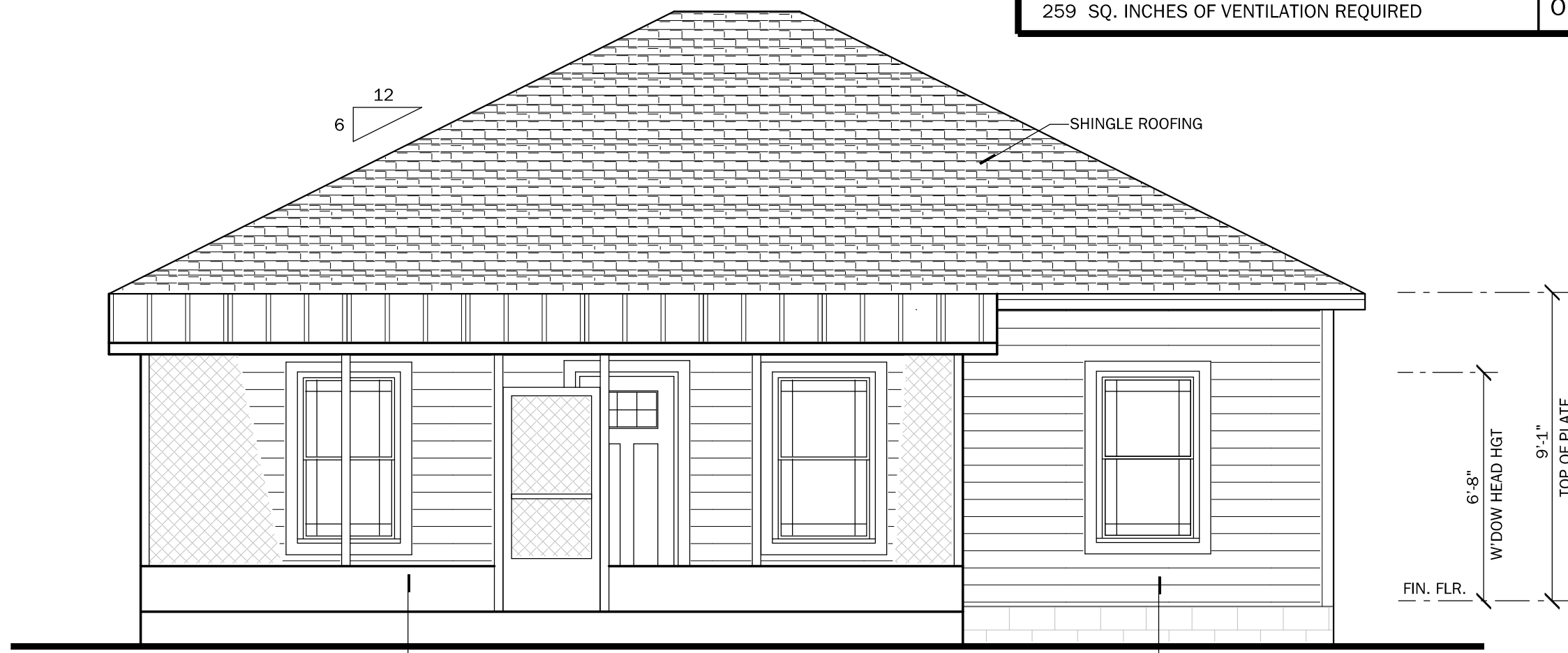
REAR ELEVATION
SCALE: 1/4" = 1'-0"



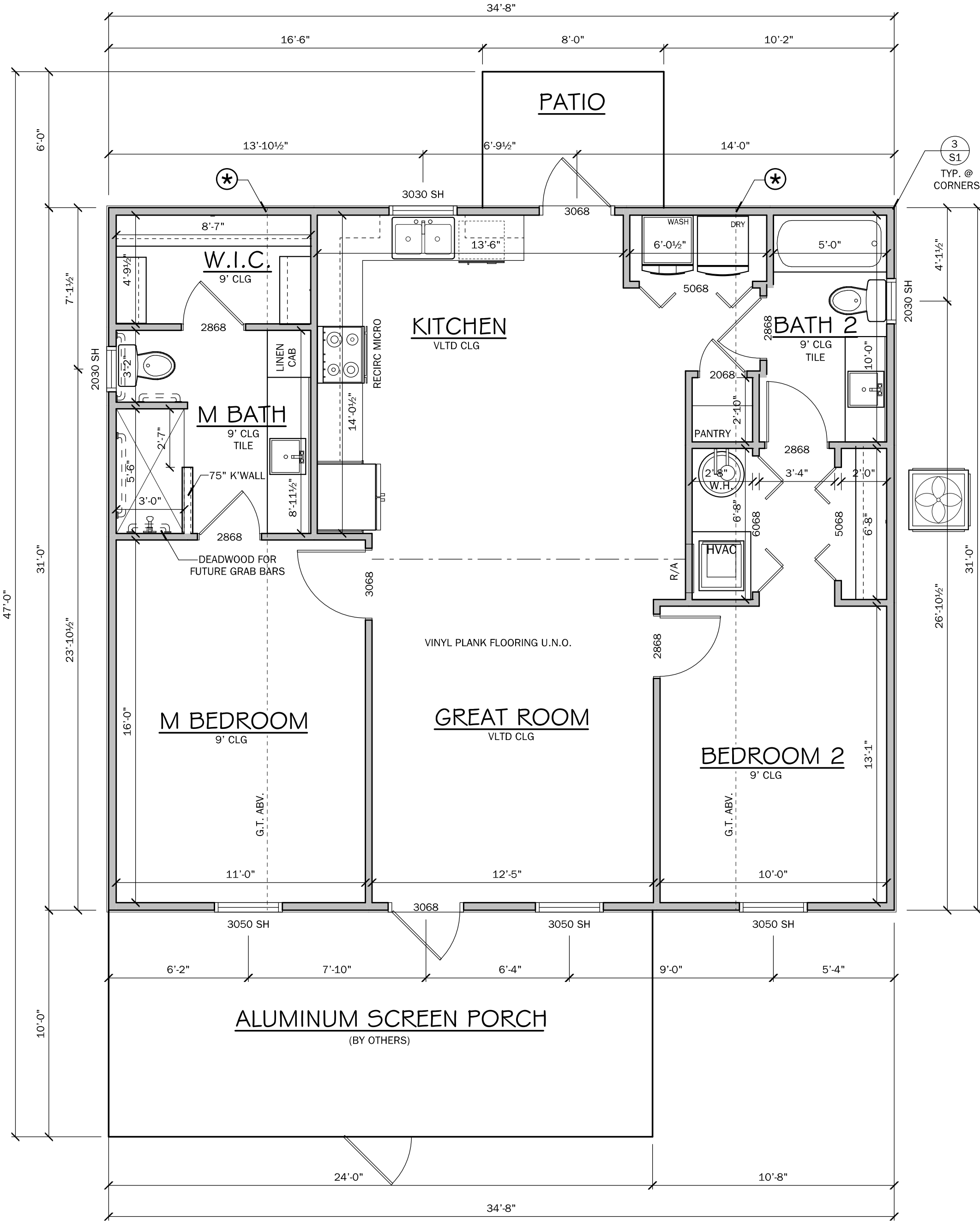
RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



LEFT ELEVATION
SCALE: 1/4" = 1'-0"



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



FLOOR PLAN
SCALE: 1/4" = 1'-0"

- NOTE:
1. ALL WINDOWS WITHIN 2'-0" OF DOORS AND IN SHOWER OR TUB AREAS WILL BE SAFETY TEMPERED GLASS.
 2. ALL DOORS LEADING FROM UNCONDITIONED SPACE TO CONDITIONED SPACE SHALL BE SOLID CORE.
 3. CEILING FOR EXTERIOR ENTRIES AND COVERED PORCHES TO HAVE 7/16" SPAN RATED OSB NAILED PER ZONE ON ROOF DIAPHRAGM NAILING SCHEDULE ON SHEET S-1 OR EXTERIOR GYPSUM SOFFIT BOARD INSTALLED PER GA 2.16

VENTILATION CALCULATION
FORMULA PER FRBC 2020 SEC 806.2= S.F. / 300 (1/300) / 2 (INTAKE vs EXHAUST) * 144 (TO CONVERT TO SQ. INCHES) = NET SQ. INCH REQUIREMENT
 $1073/300 = 3.6 / 2 = 1.8 * 144 = 259$
259 SQ. INCHES OF VENTILATION REQUIRED

WALL LEGEND	
FRAMED WALL	
FRAMED SHEAR WALL	
BEARING WALL	
FRAMED WALL W/ SIDING	

NOTE: SOFFITS ARE TO BE PERFORATED AND THE NET FREE SQUARE INCHES SHALL MEET OR EXCEED THE CALCULATED AMOUNT OF VENTILATION REQUIRED

- (3) 2X SPF #2 STUDS IN WALLS - PROVIDE 5/5-1 FOR BASE CONNECTION
6x6 #2 SYP POST IN WALLS - PROVIDE 5/5-1 FOR BASE CONNECTION
5.25x5.25 1.8E PSL COLUMN IN WALLS - PROVIDE 5/5-1 FOR BASE CONNECTION

EXTERIOR WALL SHEATHING INFORMATION	
NOTES:	
1. ALL EXTERIOR WALL SHEATHING TO BE MIN. 7/16" WINDSTORM OR EQ. MFG. APPROPRIATE LENGTH SUB-SIDING	
2. ALL WALL SECTIONS GREATER THAN 30% OF WALL HEIGHT AND WITH OPENING AREA LESS THAN 1 S.F. TO BE CONSIDERED SHEAR WALL SEGMENT	
3. NAILING PATTERN:	
TOP PLATE:	8d@3" O.C.
LONG EDGE:	8d@6" O.C.
FIELD:	8d@12" O.C.
BOTTOM PLATE:	8d@3" O.C.

AREA CALCULATIONS	
TOTAL LIVING	1,073 S.F.
SCREENED PORCH	240 S.F.
TOTAL AREA UNDER ROOF	1,313 S.F.

Residential Design

1431 E. Wade Street
Trenton, FL 32693
352-274-3006
tchdesigns@gmail.com | CUSTOM DESIGNS

TCG

A B D

RANDOLPH WIGGINS, P.E.

1431 E. Wade Street, Suite B Trenton, FL 32693
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE
SIMULATED SEAL OR ANY SHEET IS VALID ONLY
FOR THE STRUCTURAL DESIGN

RANDOLPH WIGGINS, P.E. # 13721
DATE: 05-19-2021

Randolph Wiggins
2021.05.19
09:20:54
-04'00'

Building Homes, Building Relationships

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PROJECT: Roach Residence
409 Buffalo Ct
Ft White, FL
Columbia County

SHEET NO. 2 OF 4

LAST PLOT DATE: May 19, 2021

