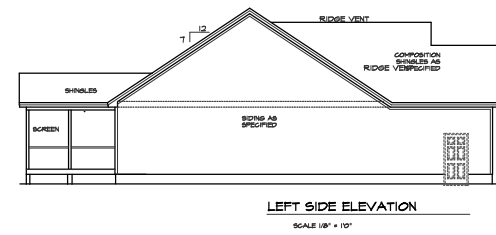
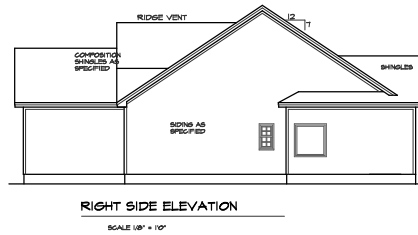


ATTIC VENTILATION  
GROSS ATTIC AREA TO BE VENTILATED - 2607SQ. FT.  
2607/500 = 5.214SQ. FT. NET FREE AREA  
50% OF VENTING MUST BE 5 FEET ABOVE THE EAVE OR SOFFIT VENTS





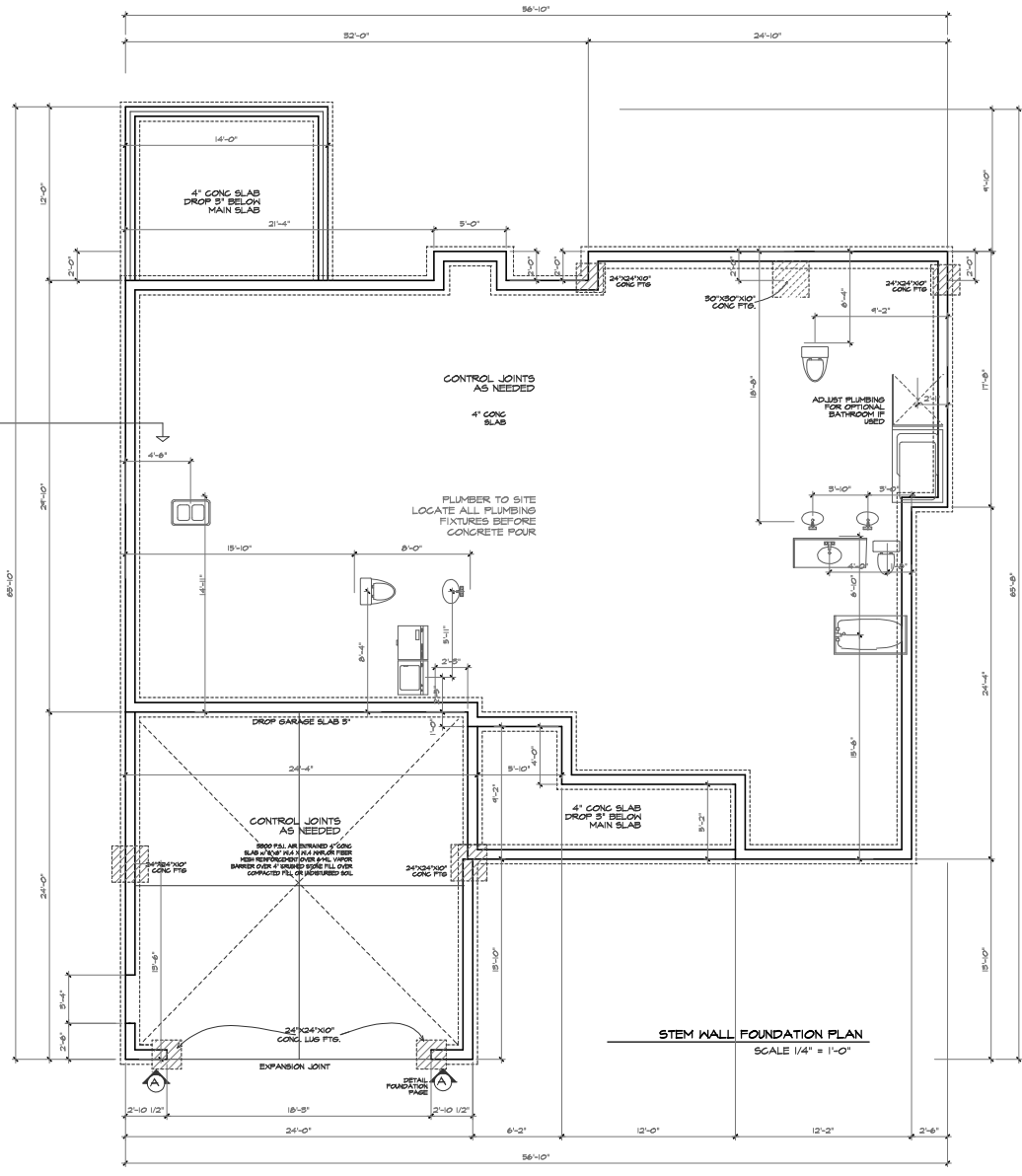
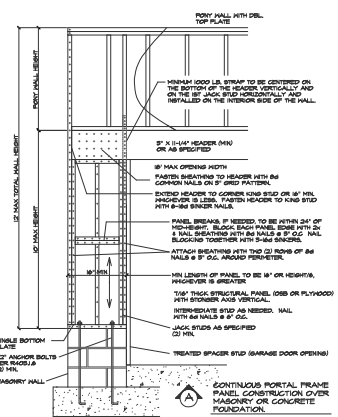
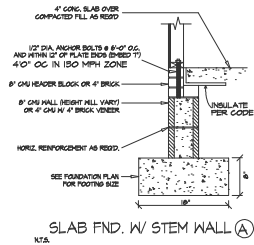
**FOUNDATION STRUCTURAL NOTES:**

- 1) (B) 2 x 10 SFF #2 GIRDER, DROPPED TYPICAL UND.
- 2) CONCRETE BLOCK PIER SIZE SHALL BE:
  - SIZE HOLLOW MASONRY SOLID MASONRY
  - 8 x 8 UP TO 32" HIGH UP TO 5'-0" HIGH
  - 12 x 16 UP TO 48" HIGH UP TO 8'-0" HIGH
  - 16 x 16 UP TO 64" HIGH UP TO 12'-0" HIGH
  - 24 x 24 UP TO 96" HIGH UP TO 12'-0" HIGH
  - WITH 50" x 50" x 12' OF CONCRETE FOOTING UND.
- 3) HALL FOOTING AS FOLLOWS:
  - DEPTH: 8" - UP TO 2-1/2 STORY
  - 10" - 3 STORY
  - WIDTH: SIDING (OR ISSUAL)
    - 16" - UP TO 2-1/2 STORY
    - BRICK VENEER
      - 16" - 1 STORY
      - 20" - 2 STORY
      - 24" - 3 STORY

FOR FOUNDATION WALL HEIGHT AND BACKFILL REQUIREMENTS REFER TO NORTH CAROLINA RESIDENTIAL CODE TABLE R404.1 (1 THRU 4) NOTE ASSUMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIFY SITE CONDITIONS AND CONTACT SOIL ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.

ATTACH SILL PLATE WITH 1/2" DIA. ANCHOR BOLTS AT 6'-0" CENTERS (7" EMBEDMENT) AND 12" FROM EACH PLATE END. SECTION R. 402.1(A) 4'-0" BOLT SPACING IN 150 MPH WIND ZONE

- 4) "B" DESIGNATES A SIGNIFICANT POINT LOAD TO HAVE SOLID BLOCKING TO PIER. SOLID BLOCK ALL BEAM BEARING POINTS NOTED TO HAVE THREE OR MORE STUDS TO FND, TYPICAL.
- 5) ABBREVIATIONS:
  - "S.J." = SINGLE JOIST
  - "D.J." = DOUBLE JOIST
  - "T.J." = TRIPLE JOIST



STEM WALL FOUNDATION PLAN  
SCALE 1/4" = 1'-0"



**ROOF FRAMING NOTES:**

- (18-120) MPH WIND ZONE)
- 1) ALL RAFTERS TO BE 2x8 @ 16" O.C. WITH 2" X 12 RIDGE END.
  - 2) (2)2x10 OR (1) 1.75" X 11 1/8" LVL HIP. (2)2x10 HPS MAY BE SPLICED WITH A MINIMUM 6'-0" OVERLAP AT CENTER.
  - 3) (2)2x10 OR (1) 1.75" X 11.25" LVL VALLEY. DO NOT SPLICE VALLEYS.
  - 4) 1-1/8" 1/8" LVL VALLEY.
  - 5) FALSE FRAME VALLEY ON 2x10 PLAT PLATE.
  - 6) 2"x8" RAFTERS @16" O.C. W/ 2x8 RIDGE
  - 7) 2"x10" RAFTERS @16" O.C. W/ 2x12 RIDGE
    - 'SR' = SINGLE RAFTER
    - 'DR' = DOUBLE RAFTER
    - 'TR' = TRIPLE RAFTER
  - 8) 'RS' = ROOF SUPPORT FOR RAFTER SPLICE
  - 9) 'R' = (S) STUD OR 4x4 POST FOR ROOF SUPPORT
  - FIR DOWN 2x8 RAFTERS OR USE 2x10 AT CATHEDRAL CEILINGS
  - ATTACH VALUED RAFTERS WITH HURRRIGANE CLIPS: SIMPSON 14-9" OR EQUIVALENT
  - 2"x6" COLLAR TIES @32" TYPICAL

**TRUSS SYSTEM REQUIREMENTS**

- NC 2008 NRCG: WIND 18-120 MPH
1. TRUSS SYSTEM LAYOUT, PLACEMENT PLANS SHALL BE DESIGNED IN ACCORDANCE WITH QUALIFIED STRUCTURAL ENGINEER. ALL TRUSS SYSTEMS SHALL BE COORDINATED WITH ENGINEER OF RECORD.
  2. TRUSS SCHEMATICS PROPOSED SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
  3. ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON 8"X 16" OR 10" PLATES OR LINDERS UNLS.
  4. ALL REQUIRED ANCHORS FOR TRUSSES DUE TO SLIP,IFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICAL.
  5. INSTALL A TRUSS BELOW PARALLEL NORT/SOUTH BEARING WALLS OR BLOCK BETWEEN TRUSSES BY TRUSS SUPPLIER UNDER WALLS.

