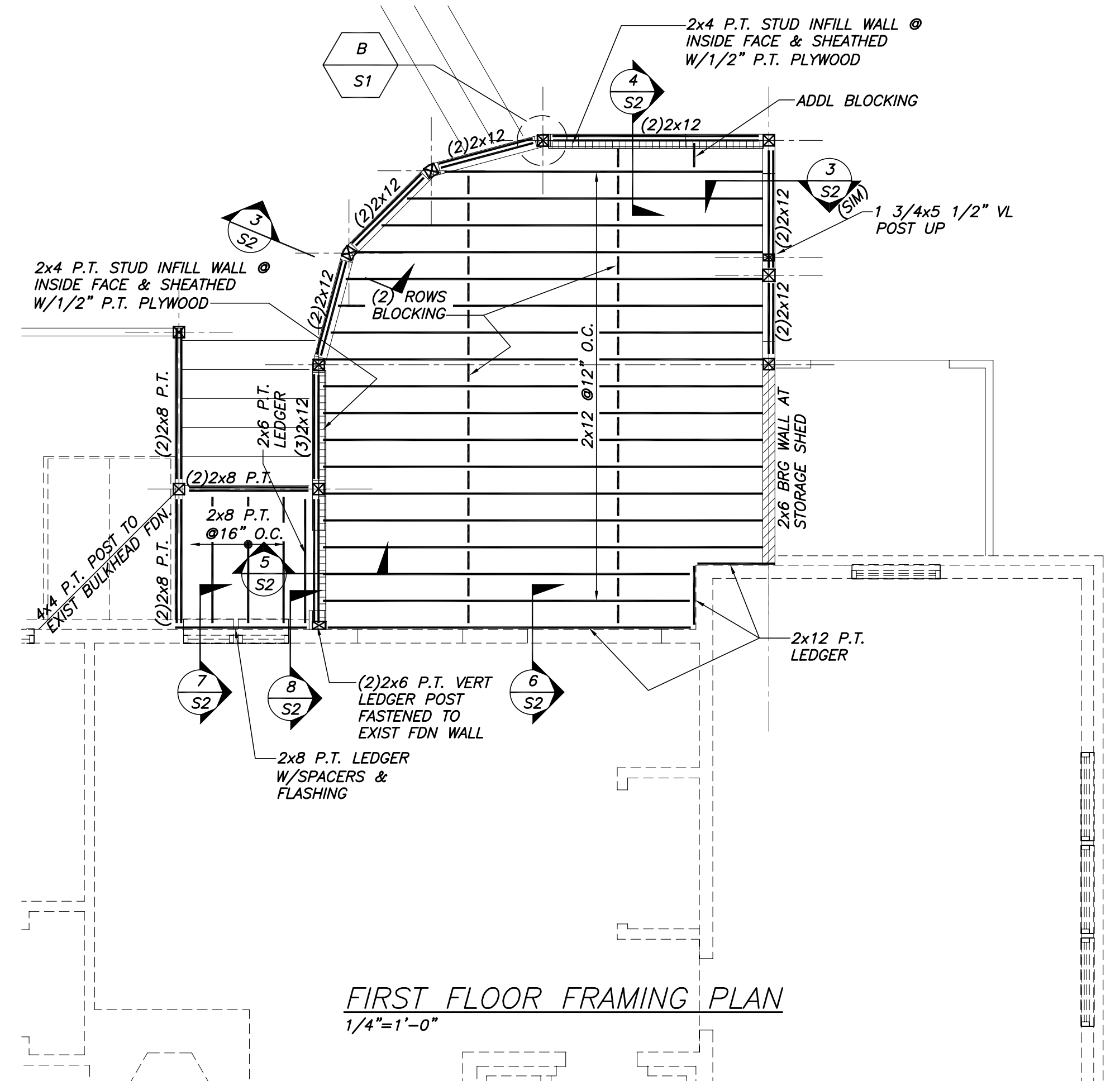


**ROOF FRAMING PLAN**  
1/4"=1'-0"

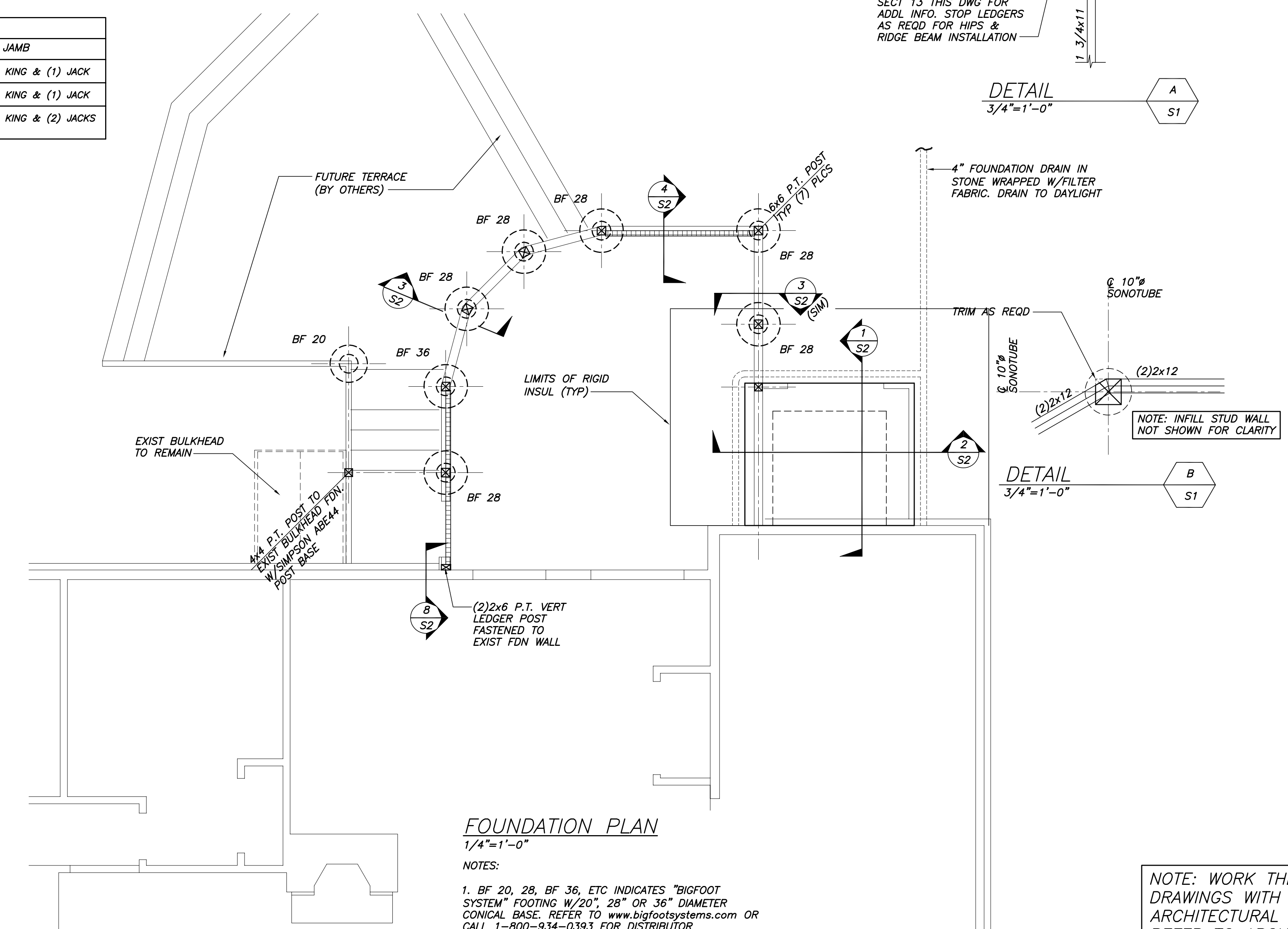
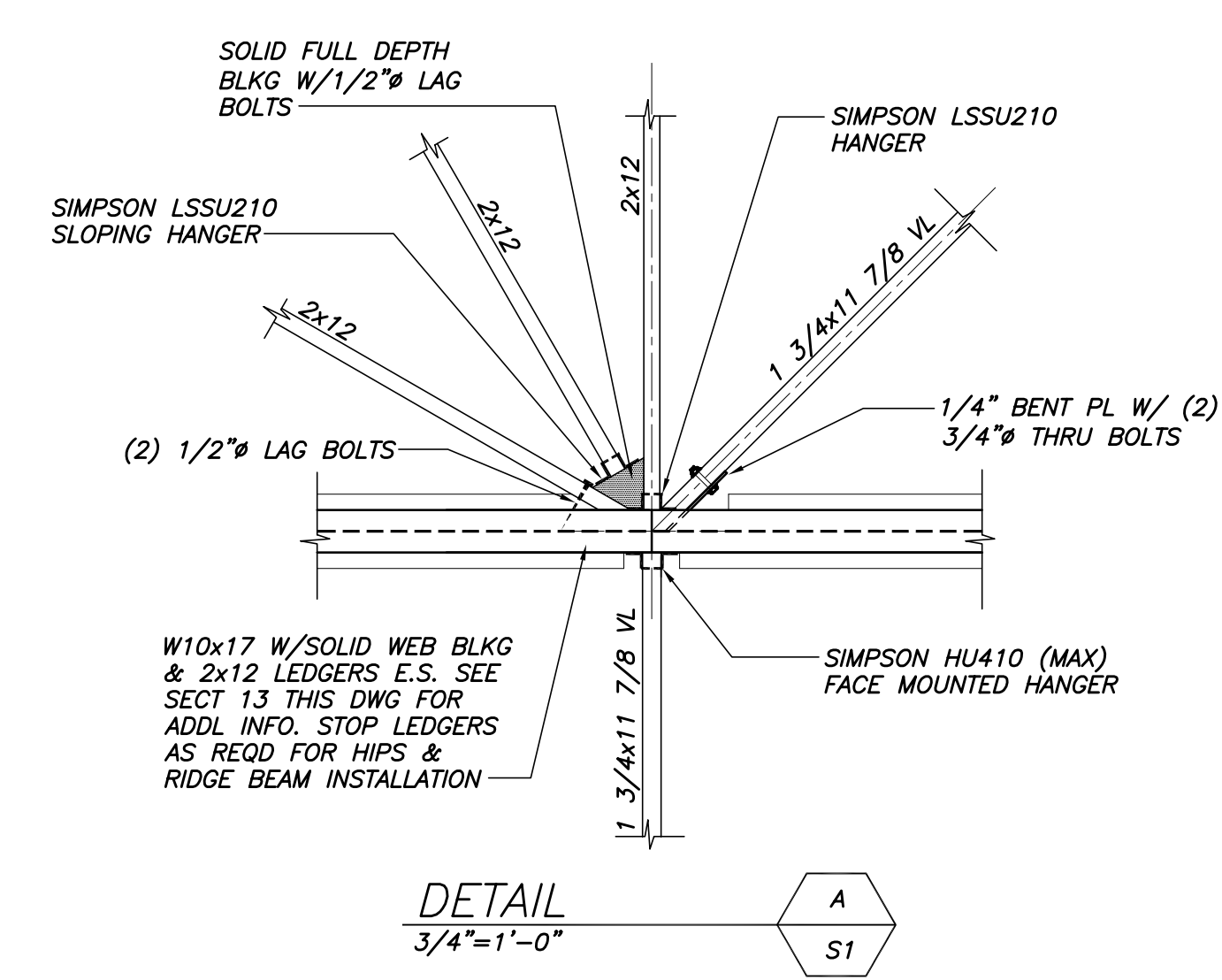
| HEADER SCHEDULE |                                  |                               |  |
|-----------------|----------------------------------|-------------------------------|--|
| MARK            | SIZE                             | JAMB                          |  |
| H1              | (3)2x6                           | (2) 2x6, (1) KING & (1) JACK  |  |
| H2              | (2)2x8                           | (2) 2x6, (1) KING & (1) JACK  |  |
| H3              | (3)2x12 OR<br>(2)1 3/4x7 1/4 LVL | (3) 2x6, (1) KING & (2) JACKS |  |



**FIRST FLOOR FRAMING PLAN**  
1/4"=1'-0"

- GENERAL NOTES**
- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- DESIGN LOADS**
1. BUILDING CODE: **INTERNATIONAL BUILDING CODE (2003)**
- FOUNDATION NOTES (SOIL SUPPORTED)**
- FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOOTINGS BEARING ON SUITABLE UNDISTURBED NATIVE SOILS (GRAVELLY SAND AND SANDY SILT) AND/OR NEW COMPACTED STRUCTURAL FILL EXTENDING TO UNDISTURBED NATIVE SOIL.
  - PRESUMPTIVE BEARING CAPACITY 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW EXISTING CONDITIONS AND DETERMINE THAT EXISTING CONDITIONS CAN SATISFY THE DESIGN ASSUMPTIONS.
  - EXTEND BOTTOM OF EXTERIOR FOOTINGS AT LEAST 4.5 FEET BELOW THE FINAL EXTERIOR GRADE FOR PROTECTION AGAINST FROST.
- CONCRETE NOTES**
- CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 - 95)," AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301-96)." THESE PUBLICATIONS ARE AVAILABLE THROUGH AMERICAN CONCRETE INSTITUTE (313) 532-2800.
  - CONCRETE MIX DESIGN:**
    - STRENGTH: 3000 PSI @28 DAYS
    - AGGREGATE: 3/4"
    - W/C RATIO: 0.55 MAX
    - ENTRAINED AIR: 6% MAX, 4% MIN
    - SUMP: 4" MAX
  - REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAIL, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION.
- STRUCTURAL STEEL NOTES**
- STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL 9th EDITION, AND THE CODE OF STANDARD PRACTICE, MARCH 7, 2000
  - STRUCTURAL STEEL: CHANNELS, PLATES, AND ANGLES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE (UNO). STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A992, GRADE 50.
  - WHERE WELDING IS INDICATED, ALL WELDING SHALL CONFORM TO AWS D1.1-LATEST EDITION. ELECTRODES SHALL CONFORM TO AWS A5.1 E70XX SERIES WITH PROPER ROD TO PRODUCE OPTIMUM WELD (LOW HYDROGEN).

- TIMBER NOTES**
- ALL TIMBER FRAMING SHALL BE IN ACCORDANCE WITH THE AITC TIMBER CONSTRUCTION MANUAL - LATEST EDITION, AND THE AF&PA NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) 2001 EDITION.
  - INDIVIDUAL TIMBER FRAMING MEMBERS SHALL BE VISUALLY GRADED. MINIMUM GRADE No 1/No 2 SPRUCE-PIKE-FIR KILN DRIED TO 19 PERCENT MAXIMUM MOISTURE.
  - STRUCTURAL COMPOSITE LUMBER (VLV) SHALL BE BOISE VERSA-LAM BEAMS AND VERSA-LAM COLUMNS (VL) OF SIZE SPECIFIED ON THE DRAWINGS. REFER TO MANUFACTURERS LITERATURE FOR PROPER HANDLING AND INSTALLATION GUIDELINES. EQUIVALENT PRODUCTS BY TRUS-JOIST MANUFACTURING FOLLOWING PROPERTIES ARE ACCEPTABLE FOR POSTS AND BEAMS ONLY.
    - POSTS: VERSA-LAM COLUMN (VL) 1.8E, 2200 Fb (MIN)
    - BEAMS: VERSA-LAM BEAM (VL) 2.0E, 2900 Fb (MIN)
  - ALL PLYWOOD SHALL BE APA PERFORMANCE RATED. PROVIDE 1/2" THICK WALL SHEATHING AND 5/8" (MIN) ROOF SHEATHING OR AS NOTED ON PLAN. PLYWOOD SHALL BE NAILED TO THE FRAMING AS FOLLOWS:
    - A. ROOFS: 8d NAILS AT 6" ON EDGES AND 12" AT INTERMEDIATE SUPPORTS.
    - B. WALLS: 8d NAILS AT 6" ON EDGES AND 12" AT INTERMEDIATE SUPPORTS.
  - ALL SOLID SAWN BUILT-UP BEAMS AND POSTS SHALL BE NAILED AS FOLLOWS AS A MINIMUM:
    - BEAMS: 2-10d NAILS AT 12" O.C. IN EACH PIECE
    - POSTS: 10d NAILS AT 12" O.C.
  - FASTENING NOT SPECIFIED SHALL CONFORM WITH IBC TABLE 2304.9.1
  - ALL TIMBER CONNECTION HARDWARE (JOIST HANGERS, POST BASES, SHEARWALL HOLDINGS, ETC) SHALL BE AS INDICATED ON THE DRAWINGS AND MANUFACTURED BY SIMPSON STRONG-TIE, UNLESS NOTED. ALL CONNECTION HARDWARE SHALL BE HOT-DIPPED GALVANIZED G-90 EXCEPT CONNECTION HARDWARE USED IN CONJUNCTION WITH PRESERVATIVE TREATMENT SHALL MEET ANY OF THE FOLLOWING:
    - ZMAX GALVANIZED MEETING G185 HDG PER ASTM A653 AND ASTM 153 FASTENERS
    - BATCH/POST HOT-DIP GALVANIZED PER ASTM A123 FOR CONNECTORS AND ASTM A153 FOR FASTENERS
    - SST300 MANUF FROM TYPE 316L STAINLESS STEEL W/ MATCHING NAILS
 FASTENERS SHALL MATCH MATERIAL/COATING OF CONNECTION HARDWARE, UNLESS NOTED BY MANUF SPECIFICATIONS OR NOTED HEREIN. REFER TO MANUFACTURERS LITERATURE FOR PROPER HANDLING AND INSTALLATION GUIDELINES.



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

NOTE: WORK THESE DRAWINGS WITH ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF BECKER STRUCTURAL ENGINEERS INC. IT SHALL NOT BE REPRODUCED, COPIED, LENT OR DISPOSED OF DIRECTLY OR INDIRECTLY NOR USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SPECIFICALLY FURNISHED AND MUST BE RETURNED TO BECKER STRUCTURAL ENGINEERS INC. ON COMPLETION OF WORK, IF REQUESTED.