

| DESIGN LOADS              |                    |                    |
|---------------------------|--------------------|--------------------|
|                           | LIVE LOAD<br>(PSF) | DEAD LOAD<br>(PSF) |
| TABLE R301.4              |                    |                    |
| DWELLING UNITS            | 40                 | 10                 |
| SLEEPING ROOMS            | 30                 | 10                 |
| ATTICS WITH STORAGE       | 20                 | 10                 |
| ATTICS WITHOUT STORAGE    | 10                 | 10                 |
| ROOF SNOW                 | 20                 | 10                 |
| STAIRS                    | 40                 | 10                 |
| DECKS                     | 40                 | 10                 |
| EXTERIOR BALCONIES        | 60                 | 10                 |
| PASSENGER VEHICLE GARAGES | 50                 | -                  |
| FIRE ESCAPES              | 40                 | 10                 |
| GUARDRAILS AND HANDRAILS  | 200                | --                 |

| MATERIALS                                                                                                                                                                                                                                                 |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1. FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES:<br>Fb = 875 PSI    Fv = 70 PSI    E = 1,466 PSI                                                                                                                 |  |  |
| 2. FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE #2 SOUTHERN YELLOW PINE (SYP) TREATED IN ACCORDANCE WITH AWPA C22 WITH THE FOLLOWING DESIGN PROPERTIES:<br>Fb = 1050 PSI    Fv = 95 PSI    E = 1,666 PSI |  |  |
| 3. ENGINEERED WOOD BEAMS SHALL BE LAMINATED VENEER LUMBER (LVL) OR PARALLEL STRAND LUMBER (PSL) WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:<br>Fb = 2900 PSI    Fv = 285 PSI    E = 1,966 PSI                                                           |  |  |
| 4. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 MINIMUM GRADE.                                                                                                                                                                                             |  |  |
| 5. BOLTS SHALL CONFORM TO A307 MINIMUM GRADE.                                                                                                                                                                                                             |  |  |
| 6. REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60.                                                                                                                                                                                        |  |  |
| 7. POURED CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN ACI 318 OR ASTM C 1157.                                            |  |  |
| 8. CONCRETE LOCATED PER TABLE R402.2 SHALL BE AIR ENTRAINED WITH THE TOTAL AIR CONTENT NOT LESS THAN 5 PERCENT OR MORE THAN 7 PERCENT.                                                                                                                    |  |  |
| 9. MASONRY UNITS SHALL CONFORM TO ACI 530/ASCE 5/TMS 402 AND MORTAR SHALL COMPLY WITH ASTM C 270.                                                                                                                                                         |  |  |
| 10. ALLOWABLE SOIL BEARING PRESSURE 2000 PSF.                                                                                                                                                                                                             |  |  |

| GENERAL                                                                                                                                                                                                                                                                                                                         |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY. ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS OR ANY DEVIATION FROM THE PLANS.                                                                                                                  |  |  |
| ALL CONSTRUCTION, WORKMANSHIP, MATERIAL QUALITY AND SELECTION SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA STATE BUILDING CODE - RESIDENTIAL CODE 2018 EDITION FROM THE INTERNATIONAL RESIDENTIAL CODE 2018 (IRC), AND LOCAL CODES AND REGULATIONS. DIMENSIONS SHALL GOVERN OVER SCALE AND CODE SHALL GOVERN OVER DIMENSIONS. |  |  |

| ADDITIONAL LOADS                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| FIGURE R301.2(4) - BASIC DESIGN WIND SPEED 100 MPH                                                                                                                                                                                                                                                                                                                                 |  |  |
| FIGURE R301.2(2) - SEISMIC DESIGN CATEGORY B                                                                                                                                                                                                                                                                                                                                       |  |  |
| TABLE R301.2(4) - DESIGN POSITIVE AND NEGATIVE PRESSURE FOR DOORS AND WINDOW FOR A MEAN ROOF HEIGHT OF 35 FEET OR LESS SHALL BE 25 PSF                                                                                                                                                                                                                                             |  |  |
| TABLE R301.2(2) - COMPONENT AND CLADDING LOADS FOR A MEAN ROOF HEIGHT OF 30 FEET OR LESS LOCATED IN EXPOSURE B<br>ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE DESIGNED BASED ON ROOF PITCHES AS FOLLOWS:<br>45.4 PSF FOR 0:12 TO 2:25:12, 34.8 PSF FOR 2:25:12 TO 7:12 AND 21 PSF FOR 7:12 TO 12:12<br>WALL CLADDING IS DESIGNED FOR A 24.1 PSF POSITIVE AND NEGATIVE PRESSURE |  |  |

| ENERGY COMPLIANCE:                                                                                                                                                                                 |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| TABLE N1102.1 - REFER TO TABLE N1101.1 TO DETERMINE THE CLIMATE ZONE BY COUNTY. AND REFER TO TABLE N1102.1 FOR R-VALUE INSULATION REQUIREMENTS LISTED BY ZONE.                                     |  |  |
| TABLE N1102.1 - ZONE 7 - MAX. GLAZING U-FACTOR: 0.40. MIN. INSULATION R-VALUES: CEILING R-30, WALLS R-13, FLOORS R-19, BASEMENT WALLS R-7, SLAB PERIMETER R-0, CRAWL SPACE WALLS R-7.              |  |  |
| TABLE N1102.1 - ZONE 8 - MAX. GLAZING U-FACTOR: 0.40. MIN. INSULATION R-VALUES: CEILING R-30, WALLS R-13, FLOORS R-19, BASEMENT WALLS R-8, SLAB PERIMETER R-5 (2 FT DEEP), CRAWL SPACE WALLS R-10. |  |  |

| CONSTRUCTION                                                                                                                                                                                                                                                                                                 |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1. STEEL FLITCH BEAMS SHALL BE FASTENED TOGETHER WITH 1/2" DIAMETER BOLTS WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS SHALL BE SPACED AT MAXIMUM 24" o.c. STAGGERED TOP AND BOTTOM OF BEAM WITH A MINIMUM 2" EDGE DISTANCE. TWO BOLTS SHALL BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM. |  |  |
| 2. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ANCHORED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS.                                                                                                |  |  |
| 3. ENGINEERED WOOD BEAMS SHALL BE INSTALLED WITH ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.                                                                                                                                                                                                            |  |  |
| 4. ALL BEAMS SHALL BE CONTINUOUSLY SUPPORTED Laterally AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED WITH A MINIMUM OF THREE STUDS.                                                                                                                                                 |  |  |
| 5. SOLID BLOCKING SHALL BE PROVIDED AT ALL POINT LOADS TO TRANSFER LOADS THROUGH FLOOR LEVELS. COLUMNS SHALL BE CONTINUOUS TO THE FOUNDATION OR TO OTHER STRUCTURAL ELEMENTS.                                                                                                                                |  |  |
| 6. ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS SHALL BE PROVIDED FOR REVIEW AND COORDINATED WITH THE ENGINEER OF RECORD. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.                                                                                                  |  |  |
| 7. WALL BRACING REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION R602.10 OF THE NORTH CAROLINA RESIDENTIAL CODE.                                                                                                                                                                                             |  |  |
| 8. BRICK LINTELS SHALL BE 3 1/2 x 1 1/2 x 1/4 STEEL ANGLE FOR UP TO 60" MAXIMUM SPAN AND 6 x 4 x 5/16 FOR SPANS GREATER THAN 60".                                                                                                                                                                            |  |  |
| 9. BRICK LINTELS AT SLOPED AREAS SHALL BE 4 x 3 1/2 x 1/4 STEEL ANGLE WITH 16d NAILS IN 3/16" HOLES IN 4" ANGLE LEG AT 12" o.c. TO DOUBLE RAFTER. WHEN THE SLOPE EXCEEDS 4:12 A MINIMUM OF 3 x 3 x 1/4 PLATES SHALL BE WELDED AT 24" o.c. ALONG THE STEEL ANGLE.                                             |  |  |

MEAN ROOF HEIGHT  
1 STORY = 11'-0"  
CLADDING POSITIVE & NEGATIVE PRESSURE = 21 PSF

1 1/2 STORY = 19'-0"  
CLADDING POSITIVE & NEGATIVE PRESSURE = 34.8 PSF

2 STORY = 19'-0"  
CLADDING POSITIVE & NEGATIVE PRESSURE = 34.8 PSF

ANCHOR BOLTS  
INSTALL ANCHOR BOLTS, NUTS, AND WASHERS PER CODE AT ALL EXTERIOR WALL  
TREATED PLATES AND AT INTERIOR BEARING WALL  
TREATED PLATES ON SLAB  
FOUNDATIONS, TO BE A MINIMUM OF 6" O.C. AND WITHIN 12" FROM THE ENDS OF EACH PLATE.

DESIGN PRESSURES  
MINIMUM RATING: 25 PSF

MI WINDOWS 3500 SERIES  
LOW E-GLASS WINDOWS

| ABBREVIATIONS |                         |
|---------------|-------------------------|
| CONC          | CONCRETE                |
| CONT          | CONTINUOUS              |
| DBL           | DOUBLE                  |
| DJ            | DOUBLE JOIST            |
| DSP           | DOUBLE STUD POCKET      |
| EA            | EACH                    |
| FL PT         | FLAT PLATE              |
| FTG           | FOOTING                 |
| HGR           | HANGER                  |
| LVL           | LAMINATED VENEER LUMBER |
| NTS           | NOT TO SCALE            |
| OC            | ON CENTER               |
| PSL           | PARALLEL STRAND LUMBER  |
| PT            | PRESSURE TREATED        |
| SC            | STUD COLUMN             |
| SP            | STUD POCKET             |
| TJ            | TRIPLE JOIST            |
| TYP           | TYPICAL                 |
| UNO           | UNLESS NOTED OTHERWISE  |

| REVISION LOG |             |          |      |                 |                   |                      |
|--------------|-------------|----------|------|-----------------|-------------------|----------------------|
| Rev          | Description | Drawn By | Date | Sheets Affected | Brochure Required | Engineering Required |
| 1            |             |          |      |                 |                   |                      |
| 2            |             |          |      |                 |                   |                      |
| 3            |             |          |      |                 |                   |                      |
| 4            |             |          |      |                 |                   |                      |
| 5            |             |          |      |                 |                   |                      |
| 6            |             |          |      |                 |                   |                      |
| 7            |             |          |      |                 |                   |                      |
| 8            |             |          |      |                 |                   |                      |
| 9            |             |          |      |                 |                   |                      |
| 10           |             |          |      |                 |                   |                      |
| 11           |             |          |      |                 |                   |                      |
| 12           |             |          |      |                 |                   |                      |
| 13           |             |          |      |                 |                   |                      |
| 14           |             |          |      |                 |                   |                      |

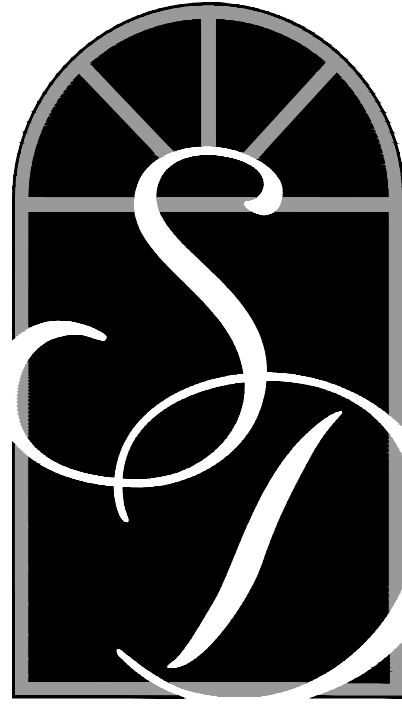
TABLE N1102.1 CLIMATE ZONES 3-5

| CLIMATE ZONES | FENESTRATION U-FACTOR <sup>b</sup> | SKYLIGHT U-FACTOR <sup>b</sup> | GLAZED FENESTRATION SHGC <sup>b,e</sup> | CEILING <sup>k</sup> R-VALUE | WOOD FRAMED WALL R-VALUE          | MASS WALL R-VALUE <sup>f</sup> | FLOOR R-VALUE   | BASEMENT <sup>c</sup> WALL R-VALUE | SLAB <sup>d</sup> R-VALUE AND DEPTH | CRAWL SPACE <sup>c</sup> WALL R-VALUE |
|---------------|------------------------------------|--------------------------------|-----------------------------------------|------------------------------|-----------------------------------|--------------------------------|-----------------|------------------------------------|-------------------------------------|---------------------------------------|
| 3             | 0.35                               | 0.65                           | 0.30                                    | 30                           | 13                                | 5/10                           | 19              | 10/13 <sup>f</sup>                 | 0                                   | 5/13                                  |
| 4             | 0.35                               | 0.60                           | 0.30                                    | 30 OR 30 CONT <sup>f</sup>   | 15 OR 13-2.5 <sup>h</sup>         | 5/10                           | 19              | 10/13                              | 10 <sup>d</sup>                     | 10/13                                 |
| 5             | 0.35                               | 0.60                           | NR                                      | 38 OR 30 CONT <sup>f</sup>   | 19 OR 13-5 OR 15-3.6 <sup>h</sup> | 13/17                          | 30 <sup>g</sup> | 10/13                              | 10 <sup>d</sup>                     | 10/13                                 |

- a. R-VALUES ARE MINIMUMS. U-FACTORS AND SHGC ARE MAXIMUMS.  
b. THE FENESTRATION U-FACTOR COLUMN EXCLUDES SKYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.  
c. "10/13" MEANS R-10 CONT. INSULATED SHEATHING ON THE INTERIOR OR EXTERIOR OF THE HOME OR R-13 CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL OR CRAWL SPACE WALL.  
d. FOR MONOLITHIC SLABS, INSULATION SHALL BE APPLIED FROM THE INSPECTION GAP DOWNWARD TO THE BOTTOM OF THE FOOTING OR A MAXIMUM OF 18 INCHES BELOW GRADE, WHICHEVER IS LESS. FOR FLOATING SLABS, INSULATION SHALL EXTEND TO THE BOTTOM OF THE FOUNDATION WALL OR 24 INCHES, WHICHEVER IS LESS. R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.  
e. R-19 FIBERGLASS BATTS COMPRESSED AND INSTALLED IN A NOMINAL 2-6 CAVITY IS DEEMED TO COMPLY. FIBERGLASS BATTS RATED R-19 OR HIGHER COMPRESSED AND INSTALLED IN A 2-6 WALL IS NOT DEEMED TO COMPLY.  
f. BASEMENT WALL INSULATION IS NOT REQUIRED IN WARM-HUMID LOCATIONS AS DEFINED BY FIGURE N1101.2 (1 AND 2) AND TABLE N1101.2.  
g. OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY, R-19 MINIMUM.  
h. "13-5" MEANS R-13 CAVITY INSULATION PLUS R-5 INSULATED SHEATHING. "15-3" MEANS R-15 CAVITY INSULATION PLUS R-3 INSULATED SHEATHING. IF STRUCTURAL SHEATHING COVERS 25 PERCENT OR LESS OF THE EXTERIOR, INSULATING SHEATHING IS NOT REQUIRED WHERE STRUCTURAL SHEATHING IS USED. IF THE STRUCTURAL SHEATHING COVERS MORE THAN 25 PERCENT OF THE EXTERIOR, STRUCTURAL SHEATHING SHALL BE SUPPLEMENTED WITH INSULATED SHEATHING OF AT LEAST R-2. "13-2.5" MEANS R-13 CAVITY INSULATION PLUS R-2.5 SHEATHING.  
i. FOR MASS WALLS, THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF THE INSULATION IS ON THE INTERIOR OF THE MASS WALL.  
j. R-30 SHALL BE DEEMED TO SATISFY THE CEILING INSULATION REQUIREMENT WHEREVER THE FULL HEIGHT OF THE UNCOMPRESSED R-30 INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE EAVES. OTHERWISE R-38 INSULATION IS REQUIRED WHERE ADEQUATE CLEARANCE EXISTS OR INSULATION MUST EXTEND TO EITHER THE INSULATION BAFFLE OR WITHIN 1" OF THE ATTIC ROOF DECK.  
k. TABLE VALUE REQUIRED EXCEPT FOR ROOF EDGE WHERE THE PITCH OR THE ROOF, THERE THE INSULATION MUST FILL THE SPACE UP TO THE AIR BAFFLE.

# Andy Cady Barndominium

| SQUARE FOOTAGE      |                   |                     |
|---------------------|-------------------|---------------------|
|                     | HEATED SQUARE FT. | UNHEATED SQUARE FT. |
| FIRST FLOOR         | 2284              |                     |
| SECOND FLOOR        | 525               |                     |
| UNFINISHED PLAYROOM |                   | 531                 |
| UNFINISHED STORAGE  |                   | 320                 |
| SCREENED PORCH      |                   | 240                 |
| FRONT PORCH         |                   | 494                 |
| SIDE PORCH          |                   | 139                 |
| GARAGE              |                   | 902                 |
|                     |                   |                     |
| TOTAL               | 2809              | 2626                |



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DESIGNS

P.O. Box 688  
Wake Forest, NC 27587  
(O) 919-556-2226  
(F) 919-556-2228  
www.southdesigns.com

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| Drawn By:    | RWB           |
| Checked By:  | RWB           |
| Date:        | 3-31-2026     |
| Revision No. | Revision Date |
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|             |
|-------------|
| Title       |
| COVER SHEET |

|          |
|----------|
| Plan No. |
| 2809     |

|              |
|--------------|
| CS-1         |
| Sheet No. Of |



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

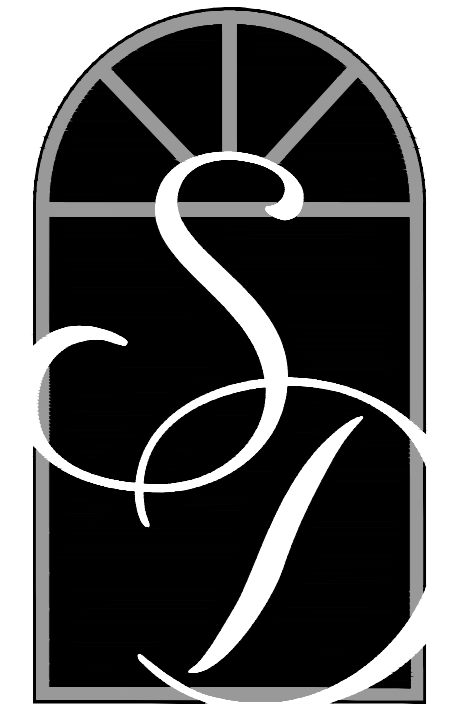
### General Elevation Notes

General Elevation Notes shall apply unless noted otherwise on plan.

1. Roof shall be finished with architectural composition shingles with slopes as noted on plan.
2. Ridge Vent shall be provided and installed on all ridges greater than 6' in length per manufacturer's specifications.
3. Soffit Vent shall be continuous soffit vent
4. House Wrap, "Tyvek" or approved equal shall be installed over entire exterior wall per manufacturer's specifications and recommendations.
5. Flashing shall be provided above all door and window openings, above finish wall material changes and at wall surfaces where lower roof areas abut vertical wall surfaces.
6. Porch Railings shall be provided at all porch walking surfaces greater than 30" above adjacent finished grade. It shall be 36" high with guards spaced no more than 4" apart. Consult community specifications for material.
7. Finish Wall Material shall be as noted on elevation drawings.



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



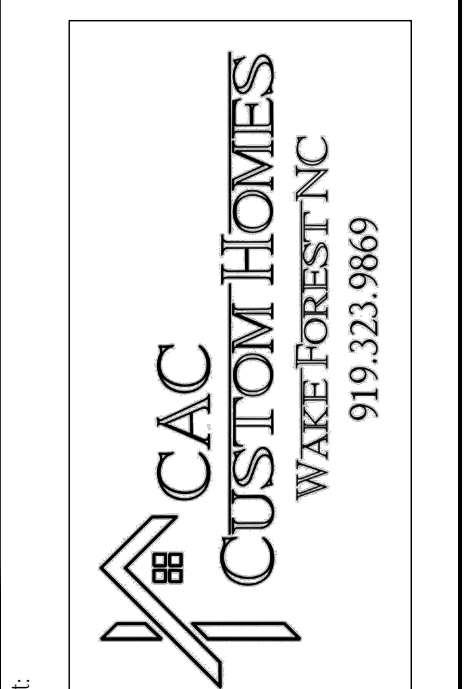
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P.O. Box 688  
Wake Forest, NC 27587  
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(F) 919-556-2228  
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Title:  
FRONT & RIGHT  
ELEVATION

Plan No.

2809

E-1

Sheet No. Of



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



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



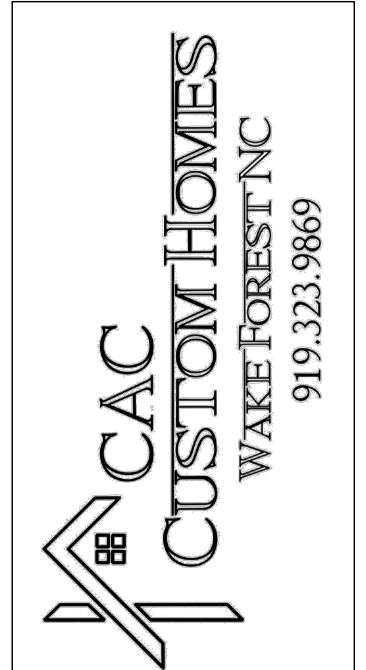
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Wake Forest, NC 27587  
(O) 919-556-2226  
(F) 919-556-2228  
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Title:  
REAR & LEFT  
ELEVATION

Plan No.  
2809

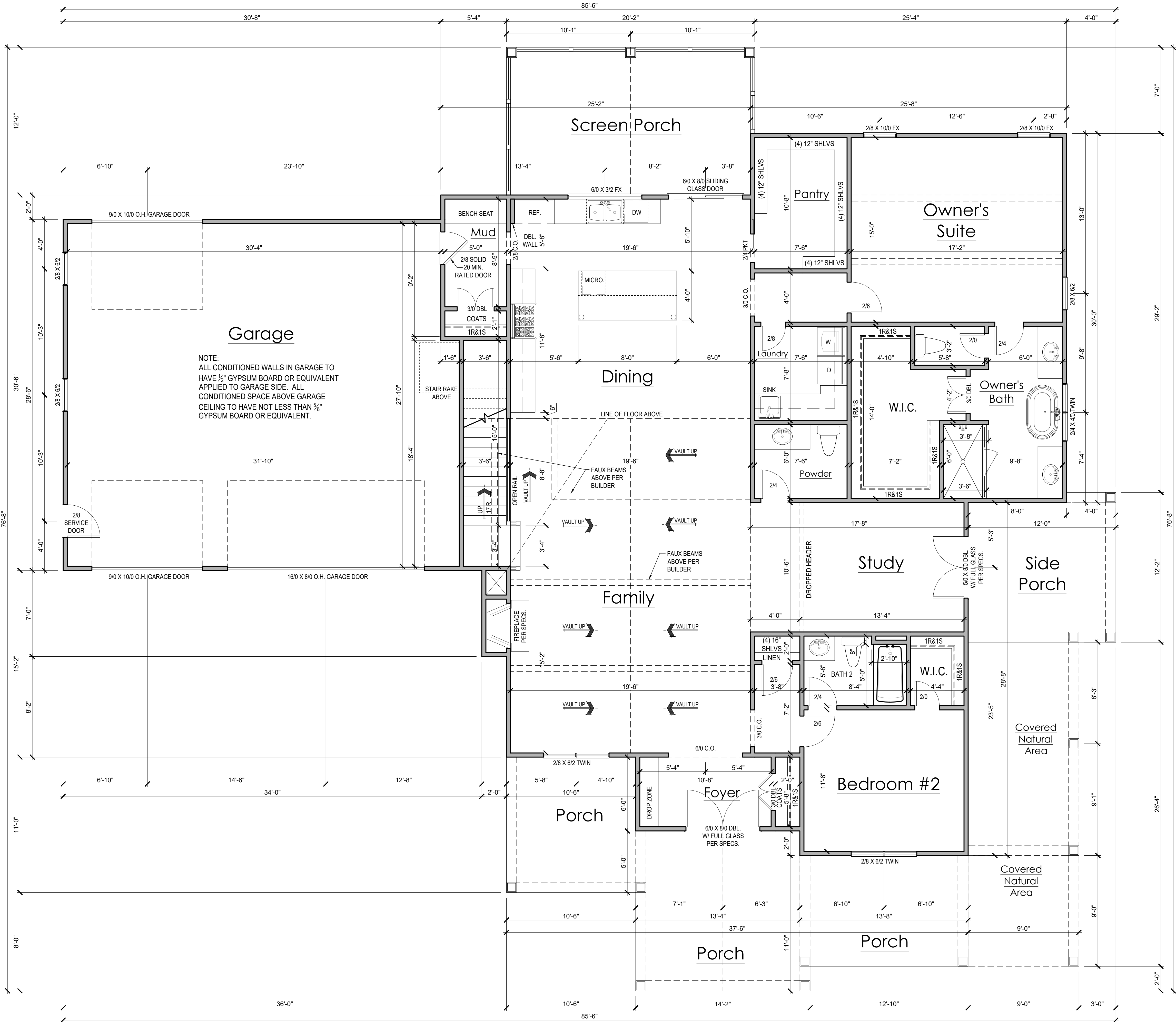
E-2

General Floor Plan Notes

General Floor Plan Notes shall apply unless noted otherwise on plan.

1. Wall Heights: Typically 9'-1-1/2" at basement and first floor, and 8'-1 1/2" at bonus room, U.N.O.. All walls are constructed using a double top plate. Splices at Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from Joint in other Top Plate layer. Special wall heights are noted on plans where they occur.
2. Wall Thickness is shown 4" at both exterior and interior walls U.N.O.. 2x6 frame shall be used at walls that back up to plumbing fixtures. Walls greater than 10' high shall be framed with 2x6 framing or greater and will be noted as a special condition where it occurs on plan.
3. Header height shall be 7'-4" AFF at basement, 7'-8" AFF at first floor, and 7'-0" AFF at second floor, unless noted otherwise.
4. All headers for exterior windows and doors are (2) 2x10 unless noted otherwise. Headers for interior doors shall be a min (2) 2x6
5. Jacks: Openings up to 3'-4" wide shall have (1) 2x4 jack stud SPF on each side. Openings greater than 3'-4" wide shall have (2) 2x4 jack studs SPF on each side.
6. Soffits, Coffered Ceilings, Trey Ceilings and other significant ceiling plan elements are shown on the floor plans and are denoted as single dashed lines. Unless specifically call out as included, Kitchens do not include soffits over wall cabinetry.
7. Door & Window Frames, where occurring near corners, shall be a minimum of 4" from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
8. Windows: Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass at hazardous glazing areas. False windows shall be installed with obscure glazing.
9. Handrails and Guards at stairs shall be 34" above the finished surface of the ramp surface of the stair. Handrails at landings and overlooks of multilevel spaces shall be 36" above finished floor. Guards (pickets or balusters) shall be spaced so that a 4" cannot pass through the guards.
10. Attic Access shall be provided at all attic area with a height greater than 30". Minimum clear attic access shall be 20" x 30". Pull down stairs and access doors in knee walls meeting minimum criteria are also acceptable.
11. Garage Door to Living Space shall be 2'-8" x 6'-8" minimum size and shall be 20 minute fire rated and weather sealed.
12. Provide 1/2" (minimum) gypsum board separation at walls and ceilings adjacent to the main house and attic areas. With habitable space above, the inside of all garage walls require 1/2" GWB supporting 5/8" type X GWB on ceiling.
13. Provide the following minimum thermal protection for each wall, floor, etc. in the building thermal envelope:
- |                      |                    |
|----------------------|--------------------|
| Ceilings:            | R-30 (energy heel) |
| Walls:               | R-15               |
| Cantilevered Floors: | R-19               |
| Crawl Floors:        | R-19               |
| Basement Walls:      | R-10 / R-15        |
14. Wall bracing is per the CS-WSP method of R602.10.3.1, of the current North Carolina Residential Code, unless noted otherwise.

| SQUARE FOOTAGE      |                   |                     |
|---------------------|-------------------|---------------------|
|                     | HEATED SQUARE FT. | UNHEATED SQUARE FT. |
| FIRST FLOOR         | 2284              |                     |
| SECOND FLOOR        | 525               |                     |
| UNFINISHED PLAYROOM |                   | 531                 |
| UNFINISHED STORAGE  |                   | 320                 |
| SCREENED PORCH      |                   | 240                 |
| FRONT PORCH         |                   | 494                 |
| SIDE PORCH          |                   | 139                 |
| GARAGE              |                   | 902                 |
| TOTAL               | 2809              | 2626                |



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



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P.O. Box 688  
Wake Forest, NC 27587  
(O) 919-556-2226  
(F) 919-556-2228  
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Client:  
Title:  
FIRST FLOOR  
PLAN

Plan No.

2809

A-1

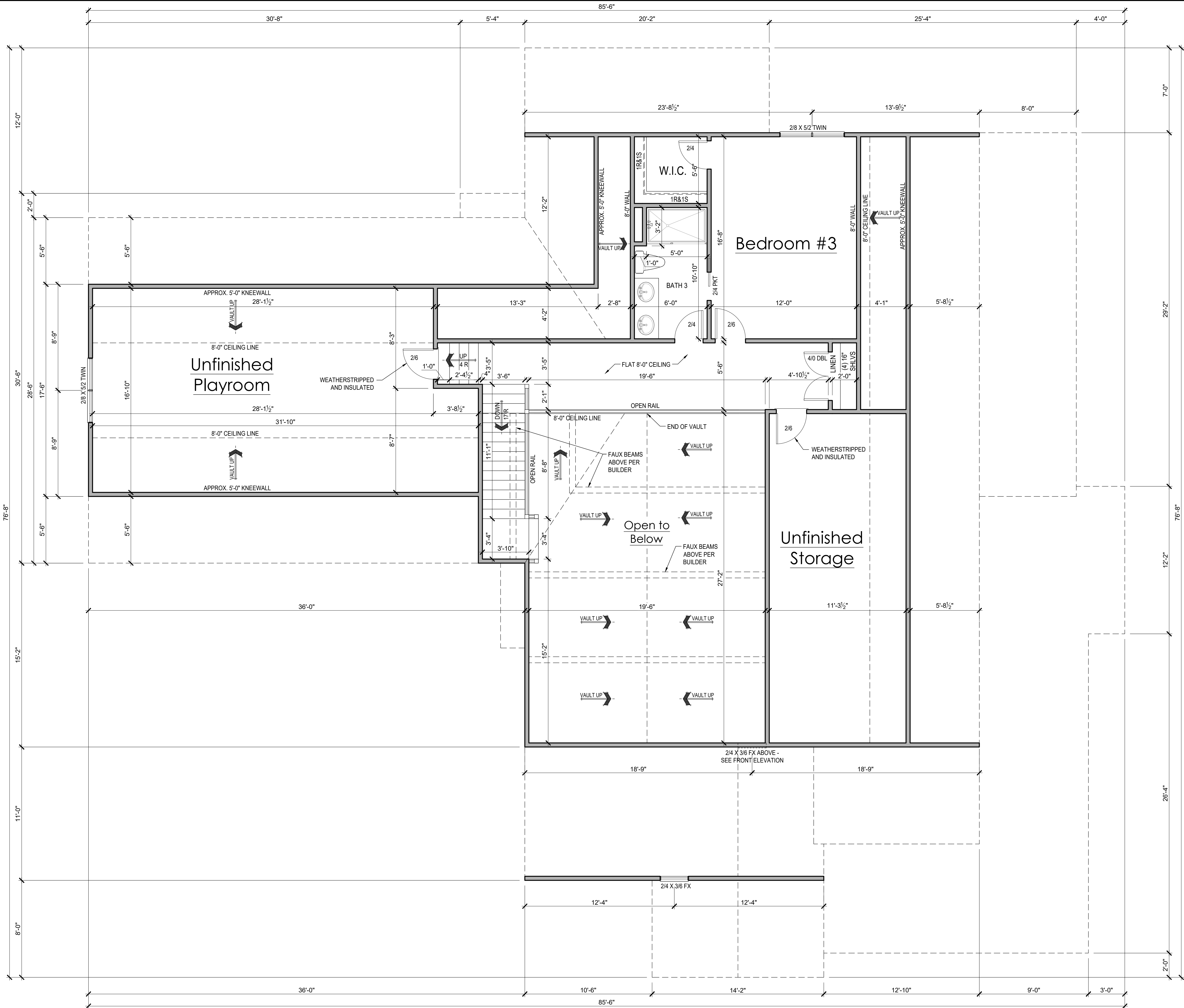
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General Floor Plan Notes

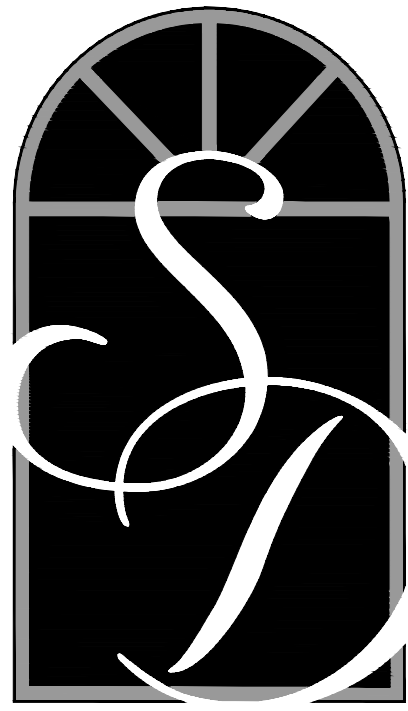
General Floor Plan Notes shall apply unless noted otherwise on plan.

1. Wall Heights: Typically 9'-1-1/2" at basement and first floor, and 8'-1 1/2" at bonus room, U.N.O.. All walls are constructed using a double top plate. Splices at Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from Joint in other Top Plate layer. Special wall heights are noted on plans where they occur.
2. Wall Thickness is shown 4" at both exterior and interior walls U.N.O.. 2x4 frame shall be used at walls that back up to plumbing fixtures. Walls greater than 10' high shall be framed with 2x6 framing or greater and will be noted as a special condition where it occurs on plan.
3. Header height shall be 7'-4" AFF at basement, 7'-8" AFF at first floor, and 7'-0" AFF at second floor, unless noted otherwise.
4. All headers for exterior windows and doors are (2) 2x10 unless noted otherwise. Headers for interior doors shall be a min (2) 2x6
5. Jacks: Openings up to 3'-4" wide shall have (1) 2x4 jack stud SPF on each side. Openings greater than 3'-4" wide shall have (2) 2x4 jack studs SPF on each side.
6. Soffits, Coffered Ceilings, Trey Ceilings and other significant ceiling plan elements are shown on the floor plans and are denoted as single dashed lines. Unless specifically call out as included, Kitchens do not include soffits over wall cabinetry.
7. Door & Window Frames, where occurring near corners, shall be a minimum of 4" from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
8. Windows: Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass at hazardous glazing areas. False windows shall be installed with obscure glazing.
9. Handrails and Guards at stairs shall be 34" above the finished surface of the ramp surface of the stair. Handrails at landings and overlooks of multilevel spaces shall be 36" above finished floor. Guards (pickets or balusters) shall be spaced so that a 4" cannot pass through the guards.
10. Attic Access shall be provided at all attic area with a height greater than 30". Minimum clear attic access shall be 20" x 30". Pull down stairs and access doors in knee walls meeting minimum criteria are also acceptable.
11. Garage Door to Living Space shall be 2'-8" x 6'-8" minimum size and shall be 20 minute fire rated and weather sealed.
12. Provide 1/2" (minimum) gypsum board separation at walls and ceilings adjacent to the main house and attic areas. With habitable space above, the inside of all garage walls require 1/2" GWB supporting 5/8" type X GWB on ceiling.
13. Provide the following minimum thermal protection for each wall, floor, etc. in the building thermal envelope:

|                      |                    |
|----------------------|--------------------|
| Ceilings:            | R-30 (energy heel) |
| Walls:               | R-15               |
| Cantilevered Floors: | R-19               |
| Crawl Floors:        | R-19               |
| Basement Walls:      | R-10 / R-15        |
14. Wall bracing is per the CS-WSP method of R602.10.3.1, of the current North Carolina Residential Code, unless noted otherwise.



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



SOUTH  
DESIGNS

P.O. Box 688  
Wake Forest, NC 27587  
(O) 919-556-2226  
(F) 919-556-2228  
www.southdesigns.com

Drawn By: RWB  
Checked By: RWB  
Date: 3-31-2026

| Revision No. | Revision Date |
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Client:  
Title:  
SECOND  
FLOOR PLAN

Plan No.

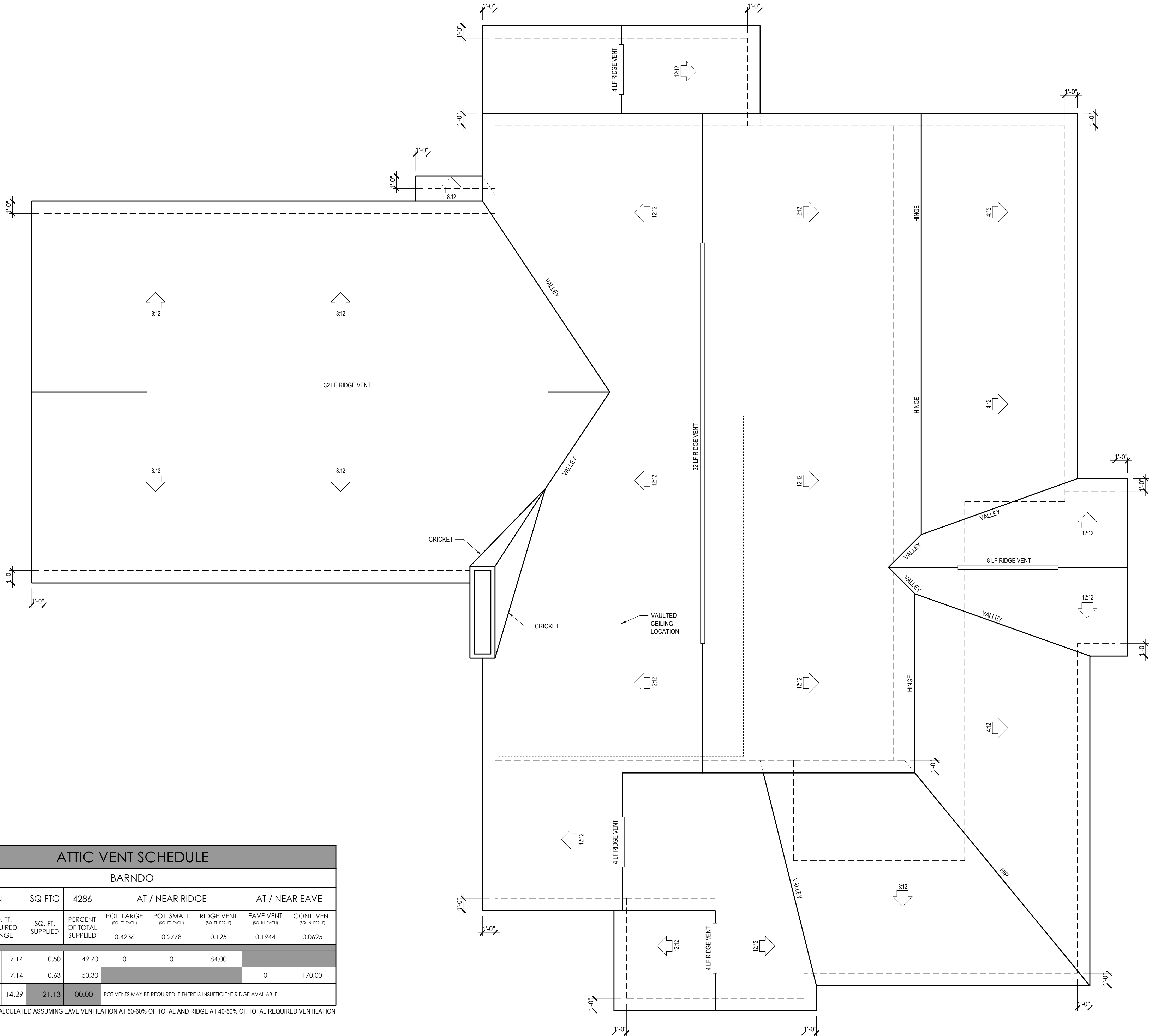
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A-2

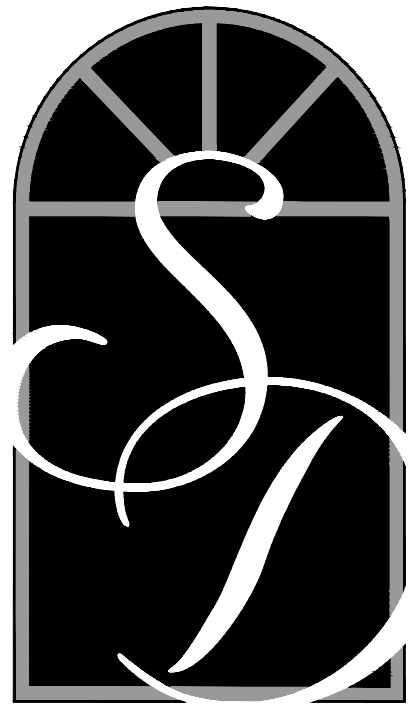
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| ATTIC VENT SCHEDULE |                        |       |                  |                           |                                                                    |                          |                             |                          |                             |
|---------------------|------------------------|-------|------------------|---------------------------|--------------------------------------------------------------------|--------------------------|-----------------------------|--------------------------|-----------------------------|
| BARNDO              |                        |       |                  |                           |                                                                    |                          |                             |                          |                             |
| ROOF PLAN           |                        |       | SQ FTG           | 4286                      | AT / NEAR RIDGE                                                    |                          |                             | AT / NEAR EAVE           |                             |
| VENT TYPE           | SQ. FT. REQUIRED RANGE |       | SQ. FT. SUPPLIED | PERCENT OF TOTAL SUPPLIED | POT LARGE (SQ. FT. EACH)                                           | POT SMALL (SQ. FT. EACH) | RIDGE VENT (SQ. FT. PER LF) | EAVE VENT (SQ. IN. EACH) | CONT. VENT (SQ. IN. PER LF) |
|                     |                        |       |                  |                           | 0.4236                                                             | 0.2778                   | 0.125                       | 0.1944                   | 0.0625                      |
| RIDGE VENT          | 5.71                   | 7.14  | 10.50            | 49.70                     | 0                                                                  | 0                        | 84.00                       |                          |                             |
| SOFFIT VENTS        | 8.57                   | 7.14  | 10.63            | 50.30                     |                                                                    |                          |                             | 0                        | 170.00                      |
| TOTAL (MIN)         | 14.29                  | 14.29 | 21.13            | 100.00                    | POT VENTS MAY BE REQUIRED IF THERE IS INSUFFICIENT RIDGE AVAILABLE |                          |                             |                          |                             |

\* SCHEDULE HAS BEEN CALCULATED ASSUMING EAVE VENTILATION AT 50-60% OF TOTAL AND RIDGE AT 40-50% OF TOTAL REQUIRED VENTILATION



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



SOUTH  
DESIGNS

P.O. Box 688  
Wake Forest, NC 27587  
(O) 919-556-2226  
(F) 919-556-2228  
www.southdesigns.com

Drawn By: RWB  
Checked By: RWB  
Date: 3-31-2026

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Title:  
ROOF PLAN

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2809

S-3

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DESIGNS

P.O. Box 688  
Wake Forest, NC 27587  
(O) 919-556-2226  
(F) 919-556-2228  
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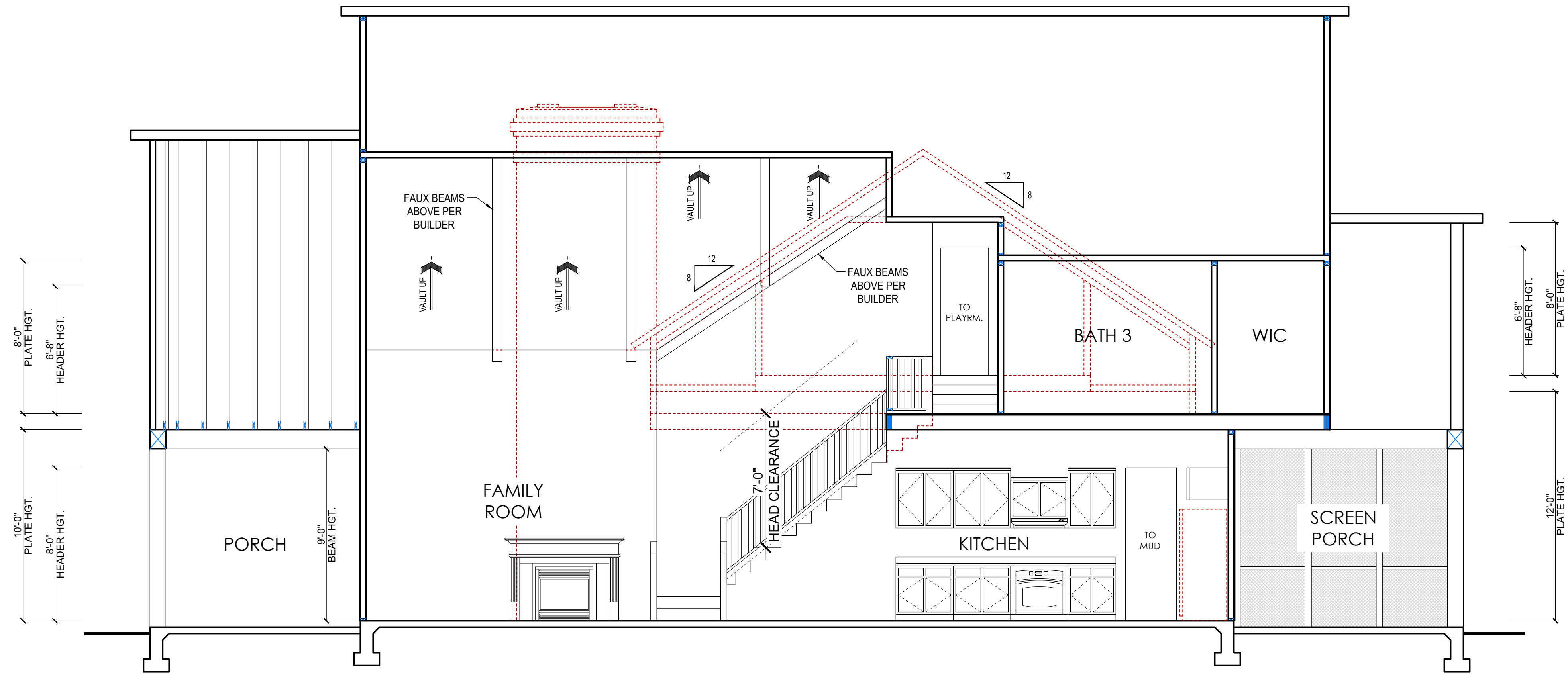
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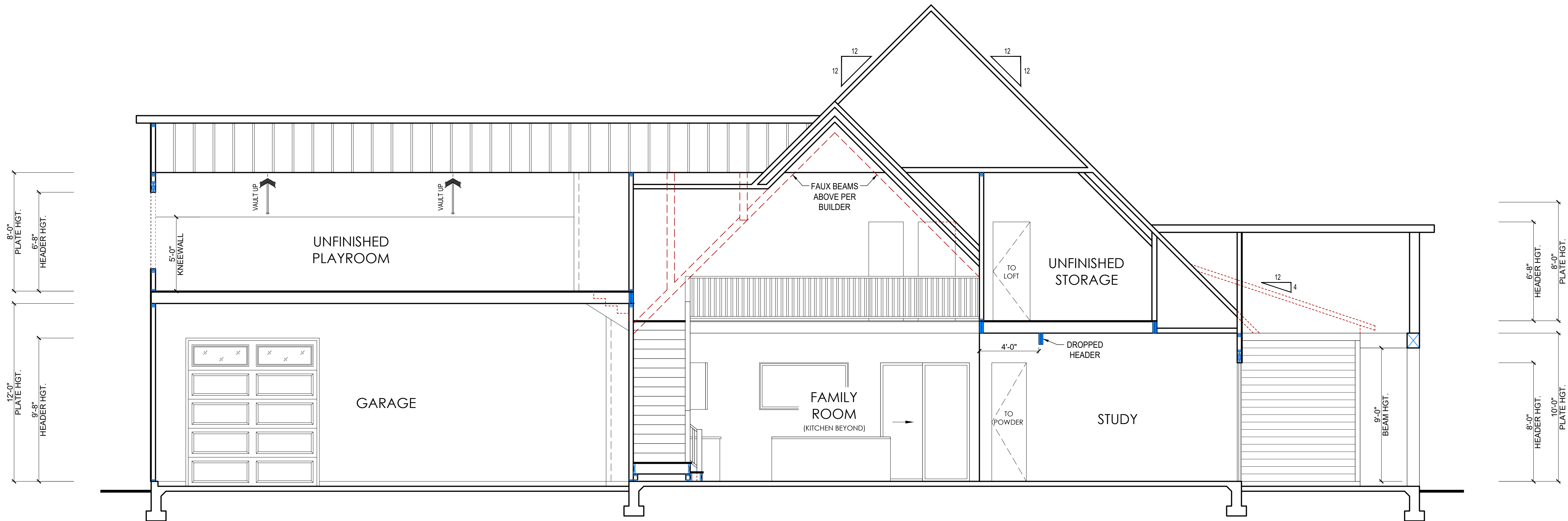
Title:  
BUILDING  
SECTIONS

Plan No.  
2809

Sheet No. E-2  
Of



1 BUILDING CROSS-SECTION  
SCALE: 1/4" = 1'-0"



2 BUILDING CROSS-SECTION  
SCALE: 1/4" = 1'-0"