

**SOUTH  
DESIGNS**

P.O. Box 688  
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# The "Anne" Plan # 1992 Lot 41 Purfoy Place

| DESIGN LOADS              | LIVE LOAD (PSF) | DEAD LOAD (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              | 10              |
| FIRE ESCAPES              | 40              | 10              |
| GUARDRAILS AND HANDRAILS  | 200             | 10              |

- MATERIALS**
- FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES:  
F<sub>b</sub> = 875 PSI F<sub>v</sub> = 70 PSI E = 1,466 PSI
  - 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:  
F<sub>b</sub> = 1050 PSI F<sub>v</sub> = 95 PSI E = 1,666 PSI
  - ENGINEERED WOOD BEAMS SHALL BE LAMINATED VENEER LUMBER (LVL) OR PARALLEL STRAND LUMBER (PSL) WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
F<sub>b</sub> = 2900 PSI F<sub>v</sub> = 285 PSI E = 1,9E6 PSI
  - STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 MINIMUM GRADE.
  - BOLTS SHALL CONFORM TO A307 MINIMUM GRADE.
  - REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60.
  - 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.
  - 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.
  - MASONRY UNITS SHALL CONFORM TO ACI 530/ASCE 5/TMS 402 AND MORTAR SHALL COMPLY WITH ASTM C 270.
  - 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

ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE DESIGNED BASED ON ROOF PITCHES AS FOLLOWS:  
4.54 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  
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-5, 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**

- 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.
- 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.
- ENGINEERED WOOD BEAMS SHALL BE INSTALLED WITH ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- 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.
- 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.
- 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.
- WALL BRACING REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION R602.10 OF THE NORTH CAROLINA RESIDENTIAL CODE.
- BRICK LINTELS SHALL BE 3 1/2 x 3 1/2 x 1/4 STEEL ANGLE FOR UP TO 60" MAXIMUM SPAN AND 6 x 4 x 3/16 FOR SPANS GREATER THAN 60".
- BRICK LINTELS AT SLOPED AREAS SHALL BE 4 x 3 1/2 x 1/4 STEEL ANGLE WITH 160 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                    |
| FLPT | 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  |

**SQUARE FOOTAGE 'A'**

|              | HEATED S.F. | UNHEATED S.F. |
|--------------|-------------|---------------|
| FIRST FLOOR  | 1989        | 0             |
| SECOND FLOOR | 0           | 735           |
| DECK         |             | 120           |
| FRONT PORCH  |             | 95            |
| GARAGE       |             | 438           |
| TOTAL        | 1989        | 1388          |

**SQUARE FOOTAGE 'B'**

|              | HEATED S.F. | UNHEATED S.F. |
|--------------|-------------|---------------|
| FIRST FLOOR  | 2005        | 0             |
| SECOND FLOOR | 0           | 735           |
| DECK         |             | 120           |
| FRONT PORCH  |             | 95            |
| GARAGE       |             | 438           |
| TOTAL        | 2005        | 1388          |

**SQUARE FOOTAGE 'C'**

|              | HEATED S.F. | UNHEATED S.F. |
|--------------|-------------|---------------|
| FIRST FLOOR  | 1989        | 0             |
| SECOND FLOOR | 0           | 735           |
| DECK         |             | 120           |
| FRONT PORCH  |             | 111           |
| GARAGE       |             | 438           |
| TOTAL        | 1989        | 1404          |

**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 1 | SKYLIGHT 2 | GLAZED FENESTRATION SHGC 3/4 | CEILING 4       | WOOD FRAMED WALL R-VALUE | MASS WALL R-VALUE 1 | FLOOR R-VALUE | BASEMENT 6 | SLAB 8 | CRAWL SPACE 9 |
|---------------|-------------------------|------------|------------------------------|-----------------|--------------------------|---------------------|---------------|------------|--------|---------------|
| 3             | 0.35                    | 0.65       | 0.30                         | 30              | 13                       | 5/10                | 19            | 10/19      | 0      | 5/13          |
| 4             | 0.35                    | 0.60       | 0.30                         | 30 OR 30 CONT 1 | 15 OR 13+2.5 5           | 5/10                | 19            | 10/13      | 10 6   | 10/13         |
| 5             | 0.35                    | 0.60       | NR                           | 30 OR 30 CONT 1 | 15 OR 13+5 5 OR 15+0 11  | 13/17               | 30 9          | 10/13      | 10 6   | 10/13         |

1. R-VALUES ARE MINIMUMS, U-FACTORS ARE SHGC ARE MAXIMUMS.  
2. THE FENESTRATION U-FACTOR COLUMN EXCLUDES SKYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.  
3. "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.  
4. 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-6 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.  
5. R-19 FIBERGLASS Batts COMPRESSED AND INSTALLED IN A NOMINAL 2x6 CAVITY IS DEEMED TO COMPLY. FIBERGLASS Batts RATED R-19 OR HIGHER COMPRESSED AND INSTALLED IN A 2x6 CAVITY IS NOT DEEMED TO COMPLY.  
6. BASEMENT WALL INSULATION IS NOT REQUIRED IN WARM-HUMID LOCATIONS AS DEFINED BY FIGURE N1101.2(1) AND (2) AND TABLE N1101.2.  
7. OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY, R-19 MINIMUM.  
8. "10 6" MEANS R-10 CAVITY INSULATION PLUS R-6 INSULATED SHEATHING. 15-5 MEANS R-15 CAVITY INSULATION PLUS R-5 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, R-2.5 MEANS R-2 CAVITY INSULATION PLUS R-2.5 SHEATHING.  
9. FOR MASS WALLS, THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF THE INSULATION IS ON THE INTERIOR OF THE MASS WALL.  
10. R-6 SHALL BE DEEMED TO SATISFY THE CEILING INSULATION REQUIREMENT WHENEVER THE FULL HEIGHT OF THE UNCOMPRESSED R-6 INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE BAYS, OTHERWISE R-6 INSULATION IS REQUIRED. WHERE R-6 IS NOT USED, INSULATION MUST EXTEND TO EITHER THE INSULATION BATTLE OR WITHIN 1" OF THE ATTIC ROOF DECK.  
11. TABLE VALUE REQUIRED EXCEPT FOR ROOF EDGE WHERE THE SPACE IS LIMITED BY THE PITCH OR THE ROOF. THERE THE INSULATION MUST FILL THE SPACE UP TO THE AIR BATTLE.

**ATTIC VENT SCHEDULE**

| VENT TYPE    | ELEVATION  |        |       |                 |                |
|--------------|------------|--------|-------|-----------------|----------------|
|              | MAIN HOUSE | SQ FTG | 2819  | AT / NEAR RIDGE | AT / NEAR EAWE |
| RIDGE VENT   | 3.76       | 4.70   | 6.50  | 39.39           | 0              |
| SOFFIT VENTS | 5.64       | 4.70   | 10.00 | 60.61           | 0              |
| TOTAL (MIN)  | 9.40       | 9.40   | 16.50 | 100.00          | 0              |

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

**NOTICE TO CONTRACTOR**  
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

**APPROVED**  
Limited building only review  
Permit holder responsible for full compliance with the code

12/30/2021




Drawn By: RWB

Checked By: RWB

Date: 10-8-21

| Revision No. | Revision Date |
|--------------|---------------|
|              |               |
|              |               |
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**Designer Signature**

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Client:

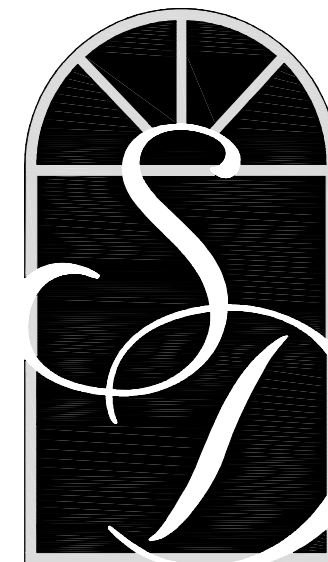
**Triangle  
Building Properties**

Title:

**COVER  
SHEET**

Plan No.  
**"Anne"**  
Purfoy Place

Sheet No. \_\_\_\_\_ Of \_\_\_\_\_



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Drawn By: **RWB**

Checked By: **RWB**

Date: **11-3-2020**

| Revision No. | Revision Date |
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Client:  
**Triangle  
Building Properties**

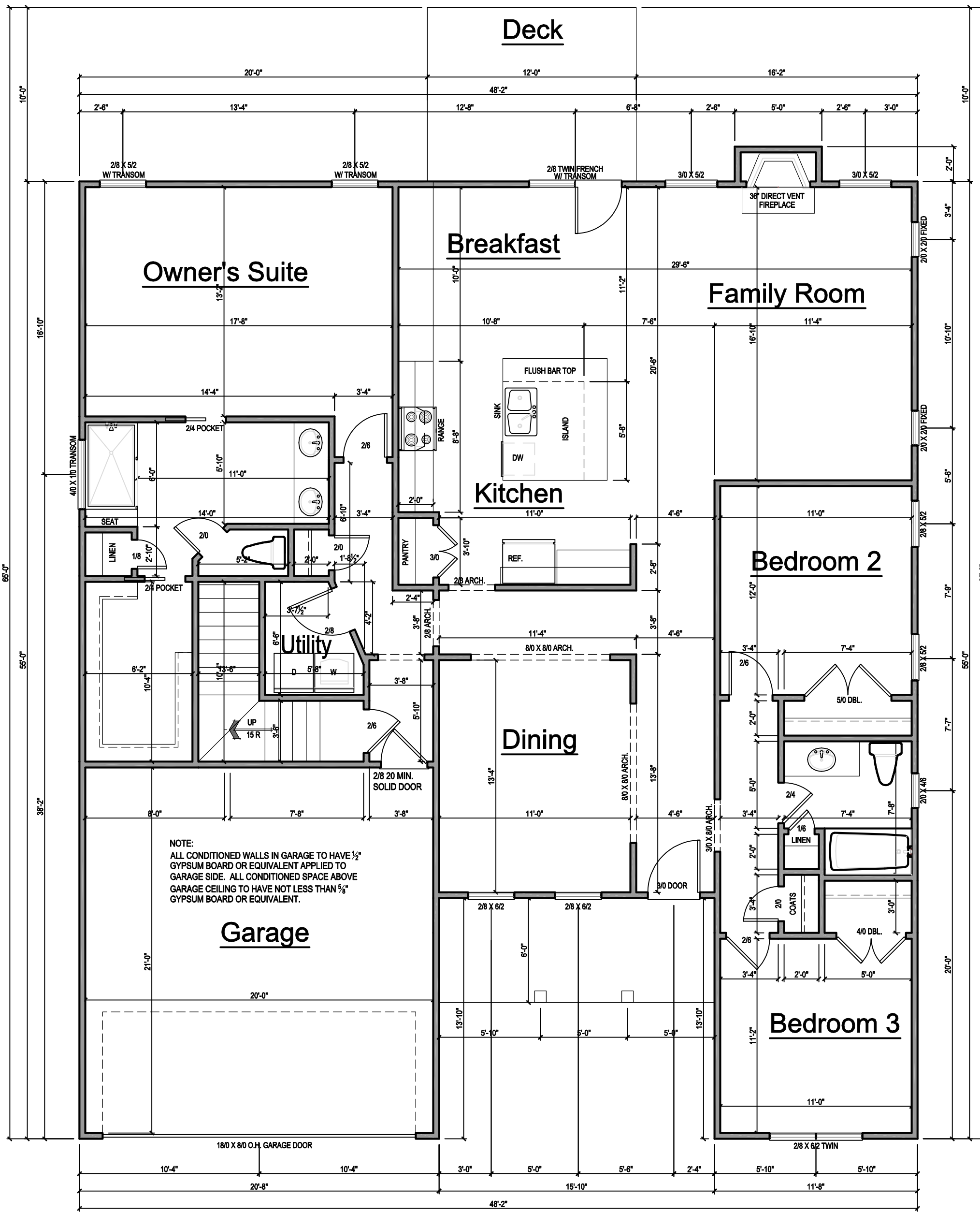
Title:  
**FIRST FLOOR  
PLAN**

Plan No.  
**"Anne"**  
**Purfoy Place**

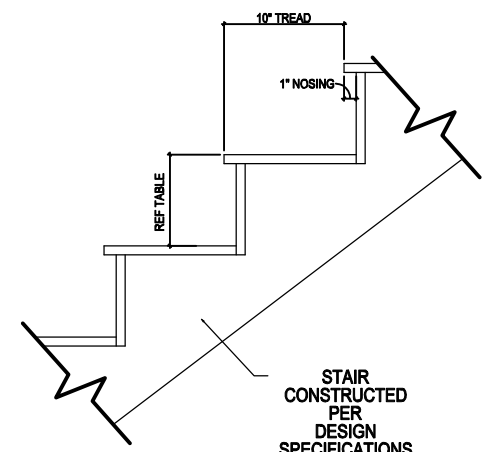
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**NOTE:**  
HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF STAIR TREADS WITH 4, OR MORE RISERS. VERTICAL HT. OF HANDRAILS SHALL BE NOT LESS THAN 34" AND NO MORE THAN 38" PER NC 2018 RESIDENTIAL CODE SEC. R311.7.8  
GUARDS ON ALL HANDRAILS SHALL BE PLACED SO THAT A SPHERE OF 4" CANNOT PASS THROUGH PER NC 2018 RESIDENTIAL CODE SEC. R312.1

**GENERAL NOTES**  
**WALLS:**  
ALL WALLS ARE DRAWN 4" THICK U.N.O.  
ANGLED WALL ARE DRAWN @45° U.N.O.  
**SMOKE DETECTORS:**  
LOCATION AND NUMBER OF DETECTORS SHALL CONFORM TO NEC.  
**EGRESS:**  
ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO R-310 OF THE N.C. BLDG. CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CHOSEN WINDOWS MEET EGRESS REQUIREMENTS AS MANUFACTURERS VARY.  
**ATTIC ACCESS:**  
MIN. ATTIC ACCESS SHALL BE PROVIDED BY BUILDER AND LOCATED ON SITE.  
**WALL/CEILING HGT.**  
WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE.  
KNEE WALL HEIGHT LABELS FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 2" FOR FURRING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HGT. FROM THE FLOOR DECKING TO THE BOTTOM OF THE FURRING.

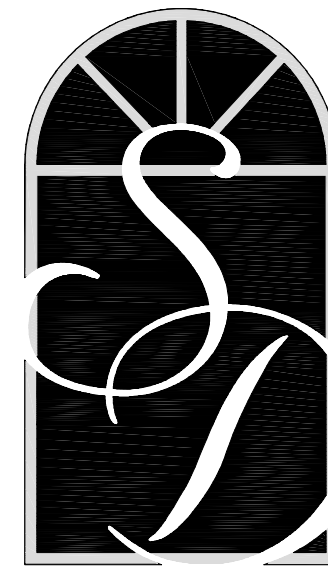


**1 FIRST FLOOR PLAN 'A'**  
SCALE: 3/16" = 1'-0"



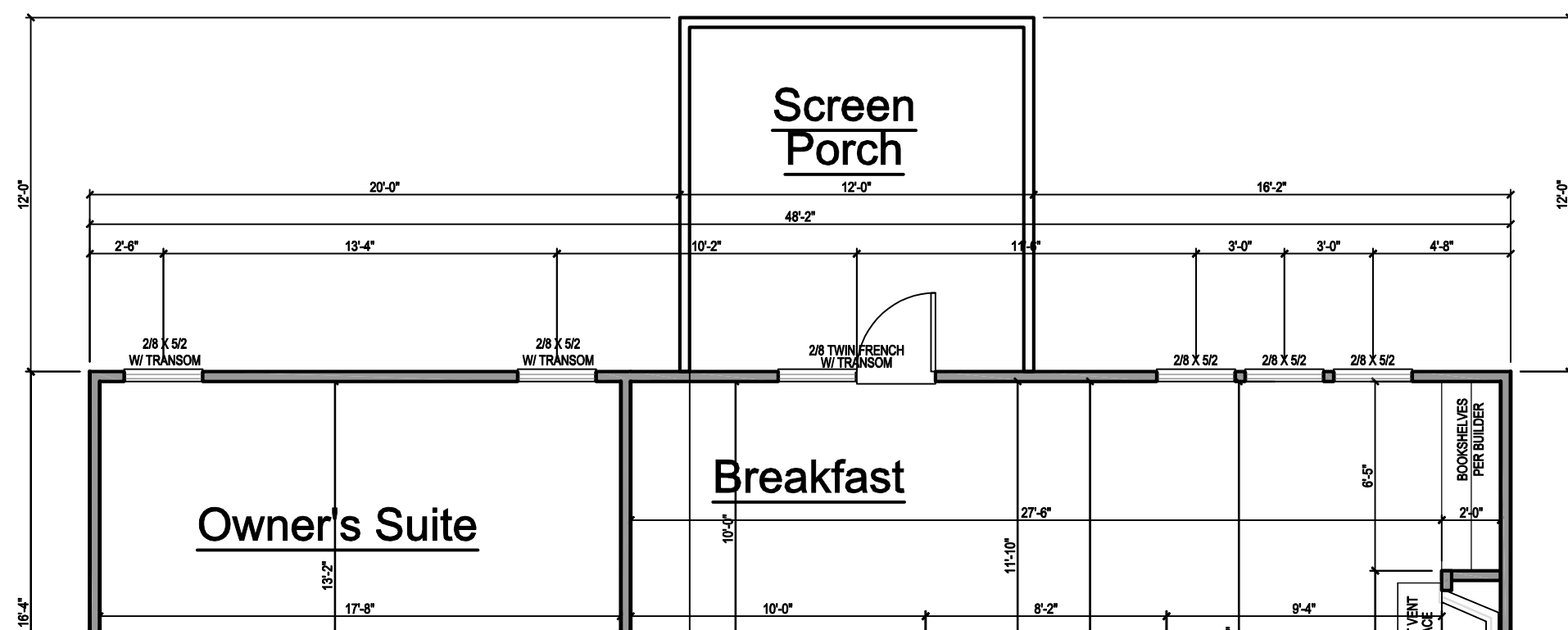
**2 TYPICAL STAIR DETAIL**  
SCALE: 3/8" = 1'-0"

| PLATE HEIGHT | RISER HEIGHTS PER STAIR CONFIGURATION |                     |                      |
|--------------|---------------------------------------|---------------------|----------------------|
|              | 10" FLOOR SYSTEM                      | 14" FLOOR SYSTEM    | 16" FLOOR SYSTEM     |
| 8'-1 1/2"    | 14 RISERS @ 7 11/16"                  | 15 RISERS @ 7 1/2"  | 15 RISERS @ 7 5/8"   |
| 9'-1 1/2"    | 16 RISERS @ 7 1/2"                    | 14 RISERS @ 7 3/4"  | 17 RISERS @ 7 7/16"  |
| 10'-1 1/2"   | 17 RISERS @ 7 3/4"                    | 18 RISERS @ 7 9/16" | 18 RISERS @ 7 11/16" |

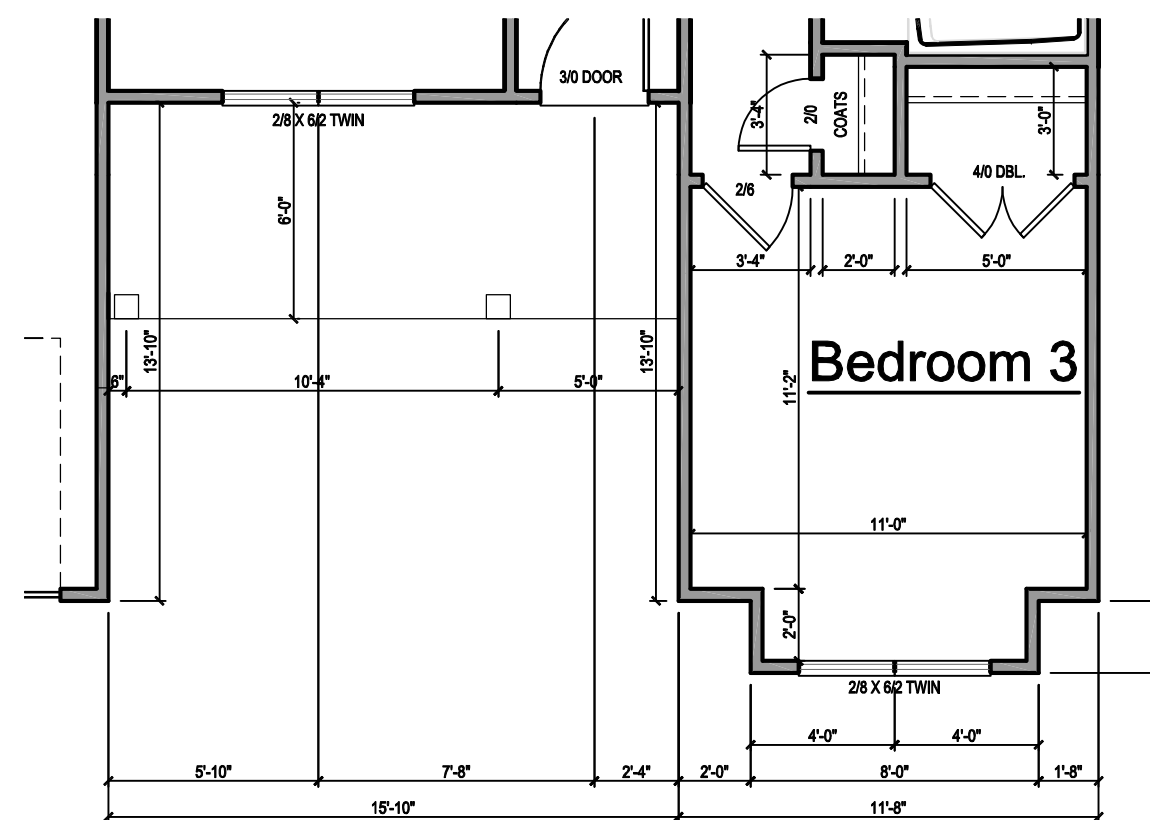


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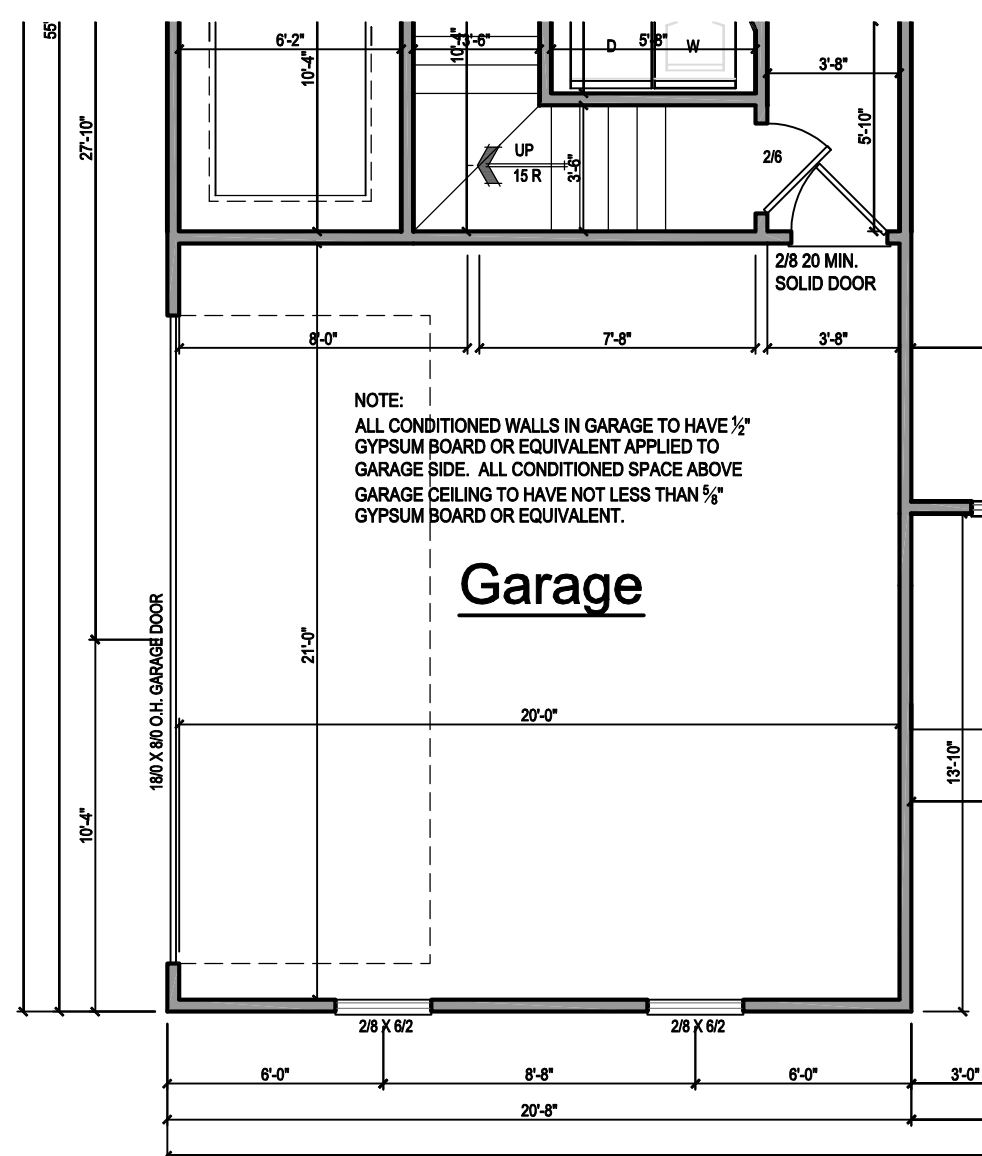
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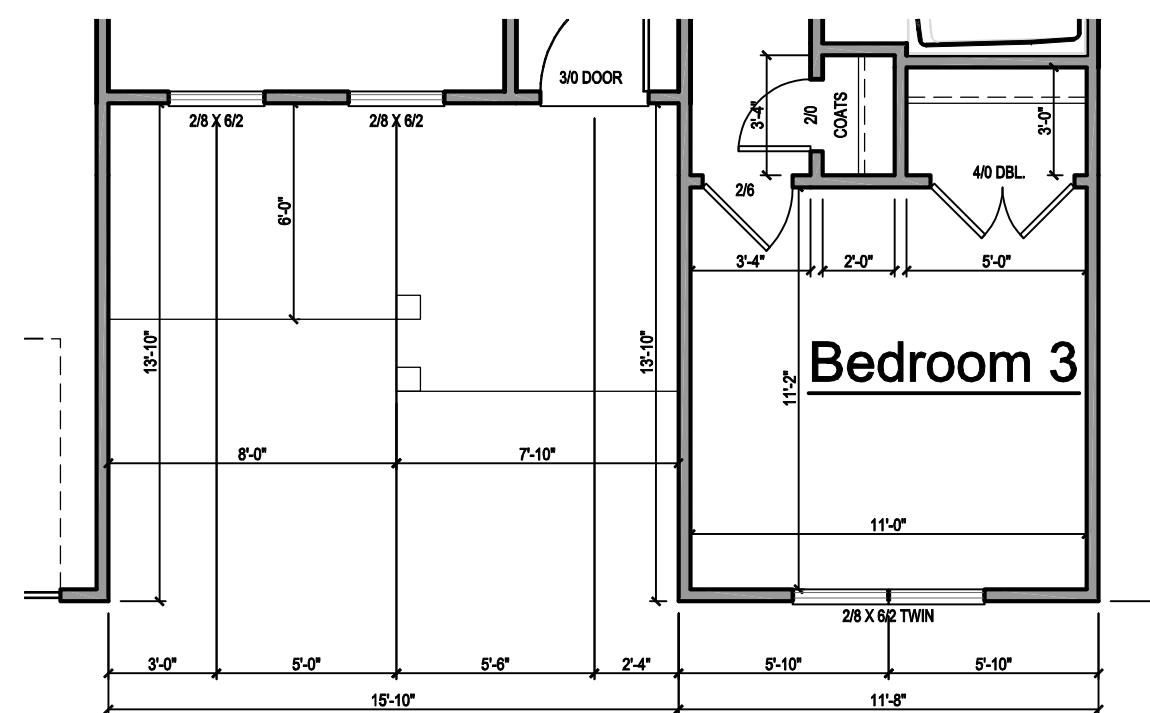
**1 SCREEN PORCH OPTION**  
SCALE: 3/16" = 1'-0"



**1 PARTIAL FIRST FLOOR PLAN 'B'**  
SCALE: 3/16" = 1'-0"



**1 FIRST FLOOR PLAN - SIDE LOAD GARAGE**  
SCALE: 3/16" = 1'-0"



**1 PARTIAL FIRST FLOOR PLAN 'C'**  
SCALE: 3/16" = 1'-0"

|              |               |
|--------------|---------------|
| Drawn By:    | RWB           |
| Checked By:  | RWB           |
| Date:        | 11-3-2020     |
| Revision No. | Revision Date |
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|              |               |

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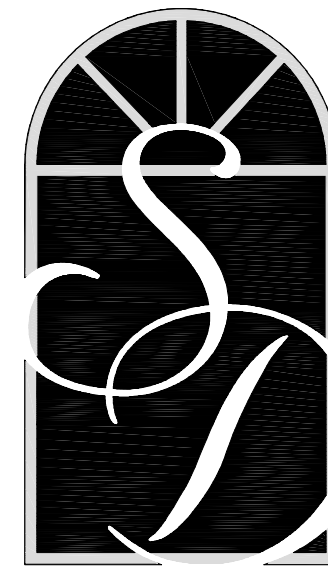
Client:  
**Triangle  
Building Properties**

Title:  
**FIRST FLOOR  
PLAN**

Plan No.  
**"Anne"**  
**Purfoy Place**

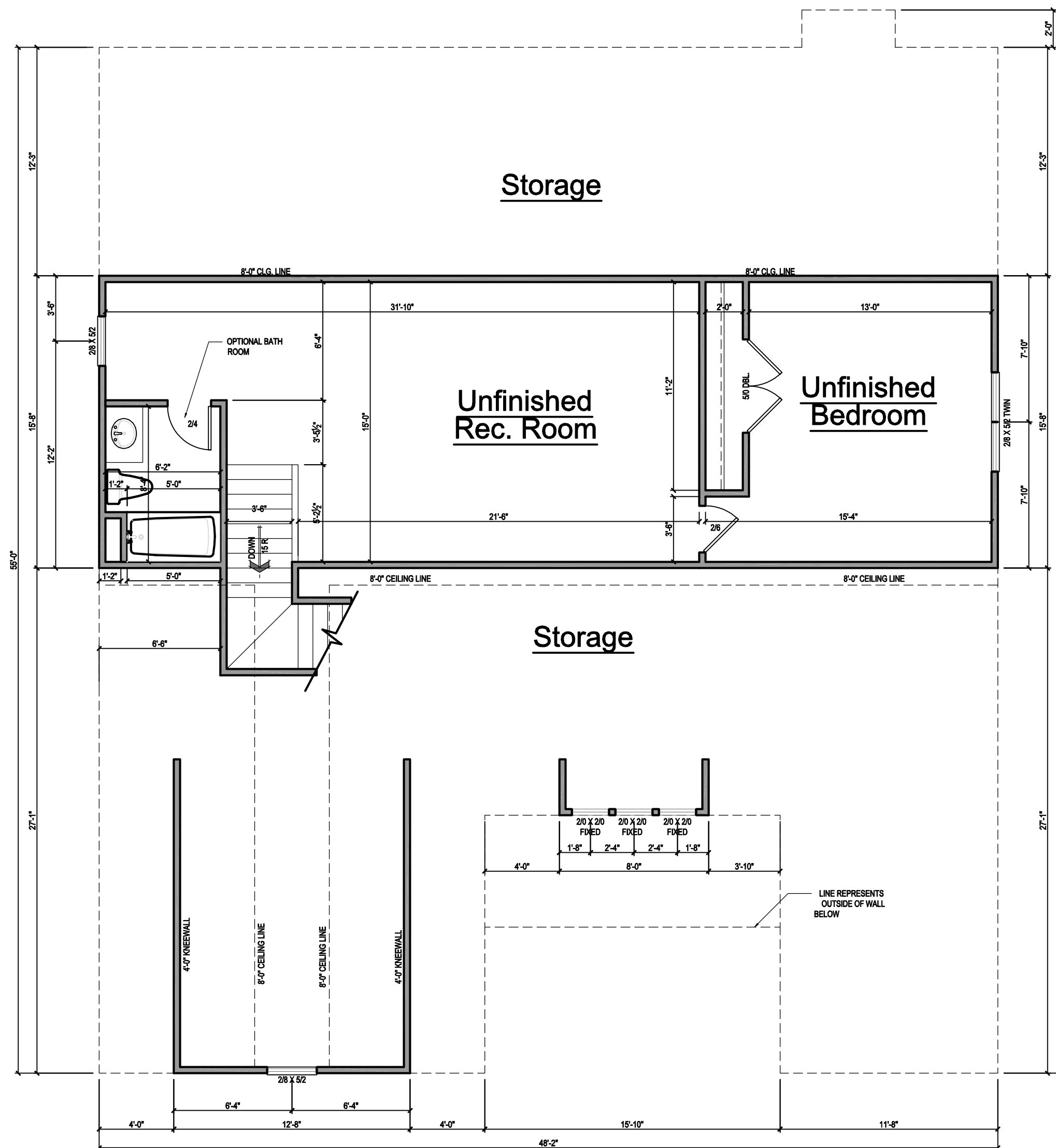
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**2 SECOND FLOOR PLAN 'A'**  
SCALE: 3/16" = 1'-0"

**GENERAL NOTES**

**WALLS:**

ALL WALLS ARE DRAWN 4" THICK U.N.O.  
ANGLED WALL ARE DRAWN @45° U.N.O.

**SMOKE DETECTORS:**  
LOCATION AND NUMBER OF DETECTORS SHALL CONFORM TO NEC.

**EGRESS:**

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**ATTIC ACCESS:**

MIN. ATTIC ACCESS SHALL BE PROVIDED BY BUILDER AND LOCATED ON SITE.

**WALL/CEILING HGT.**

WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE.  
KNEE WALL HEIGHT LABELS FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 2" FOR FURRING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HGT. FROM THE FLOOR DECKING TO THE BOTTOM OF THE FURRING.

Drawn By: **RWB**

Checked By: **RWB**

Date: **11-3-2020**

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Client:  
**Triangle  
Building Properties**

Title:  
**SECOND FLOOR  
PLAN**

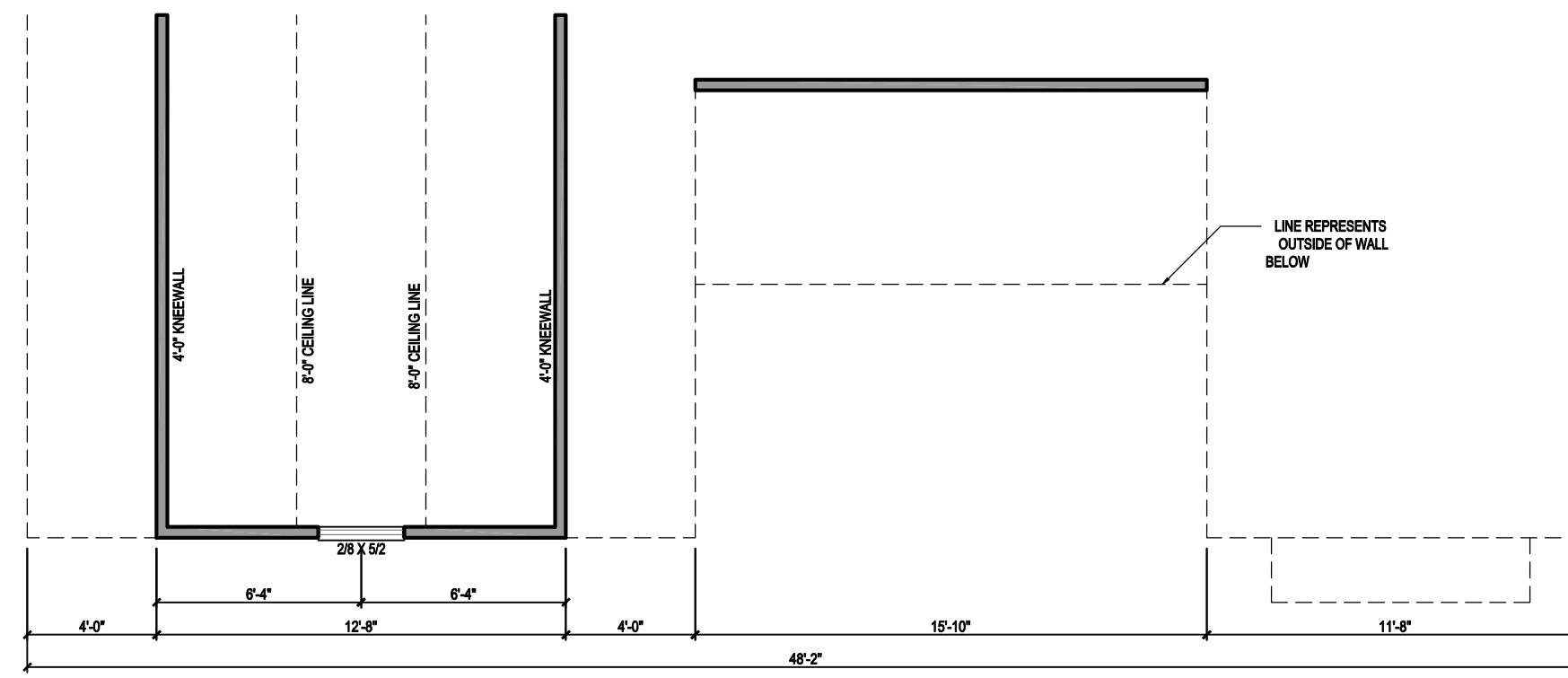
Plan No.  
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**Purfoy Place**

Sheet No.                      Of

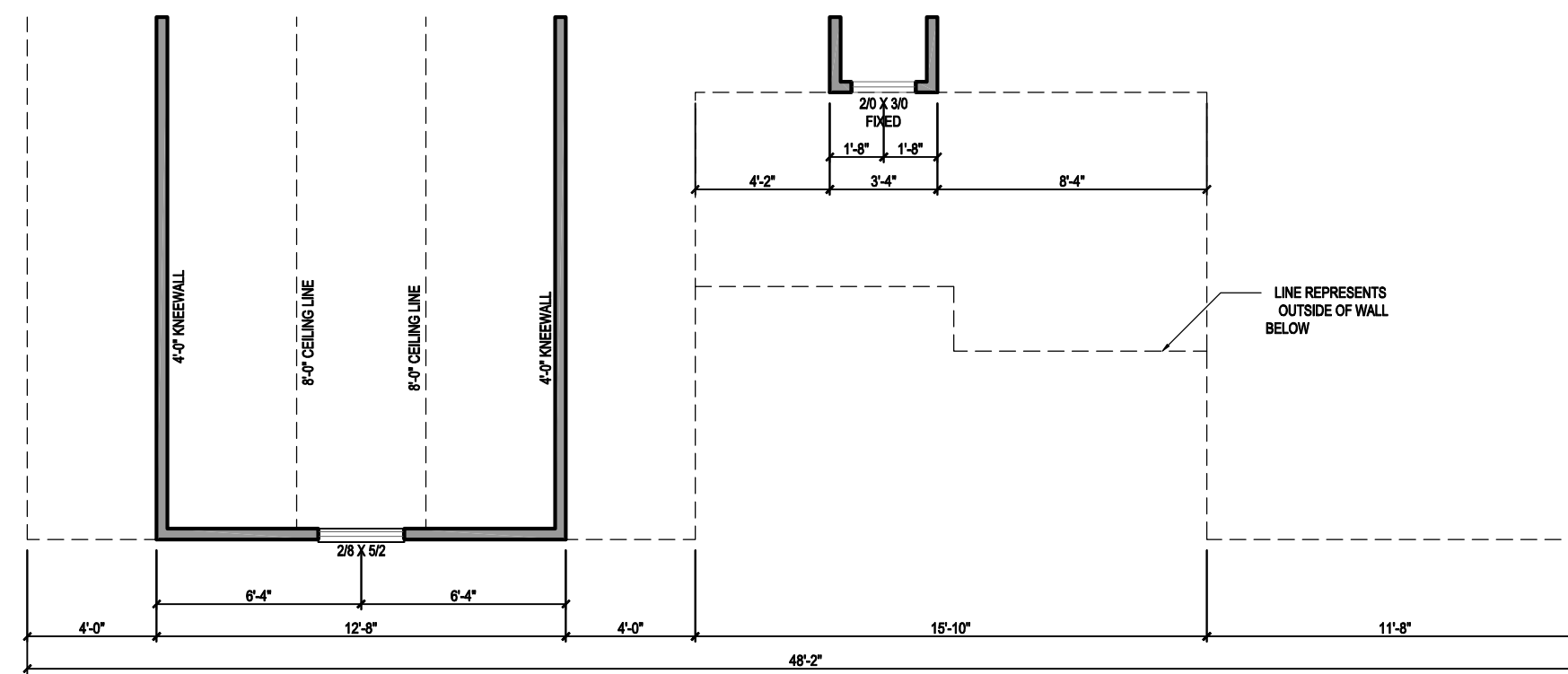


**SOUTH  
DESIGNS**

P.O. Box 688  
Wake Forest, NC 27588  
(O) 919-556-2226  
(F) 919-556-2228  
www.southdesigns.com



**2 PARTIAL SECOND FLOOR PLAN 'B'**  
SCALE: 3/16" = 1'-0"



**2 PARTIAL SECOND FLOOR PLAN 'C'**  
SCALE: 3/16" = 1'-0"

|              |               |
|--------------|---------------|
| Drawn By:    | RWB           |
| Checked By:  | RWB           |
| Date:        | 11-3-2020     |
| Revision No. | Revision Date |
|              |               |
|              |               |
|              |               |

**Designer Signature**

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South Designs, Inc. assumes no liability for any home constructed from these plans. Contractor or builder shall verify all dimensions and conditions prior to construction. Caution must be exercised when making changes to these drawings. If changes are made to these drawings, contact South Designs.

Client:  
**Triangle  
Building Properties**

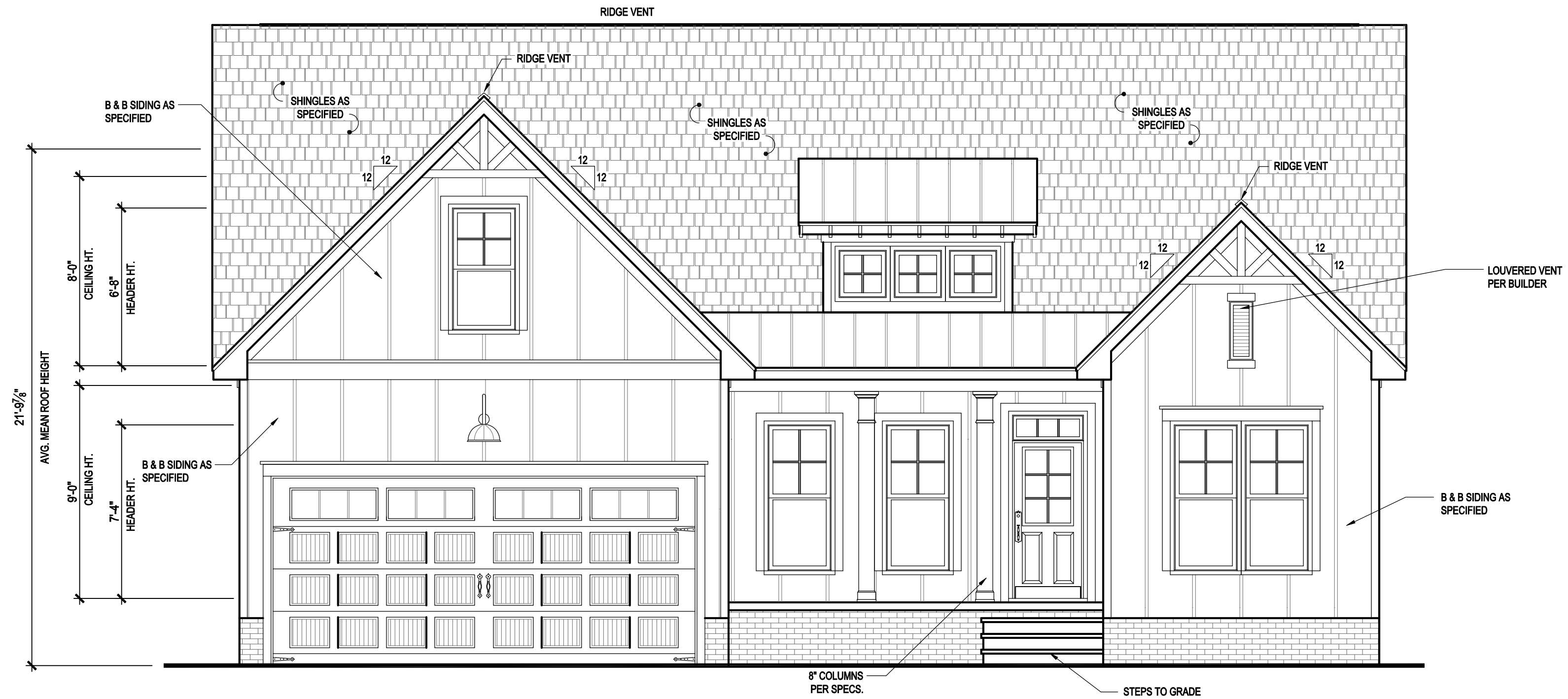
Title:  
**SECOND FLOOR  
PLAN**

Plan No.  
**"Anne"**  
Purfoy Place  
Sheet No. \_\_\_\_\_ Of \_\_\_\_\_



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

|              |               |
|--------------|---------------|
| Drawn By:    | RWB           |
| Checked By:  | RWB           |
| Date:        | 11-3-2020     |
| Revision No. | Revision Date |
|              |               |
|              |               |

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Client:

**Triangle  
Building Properties**

Title:

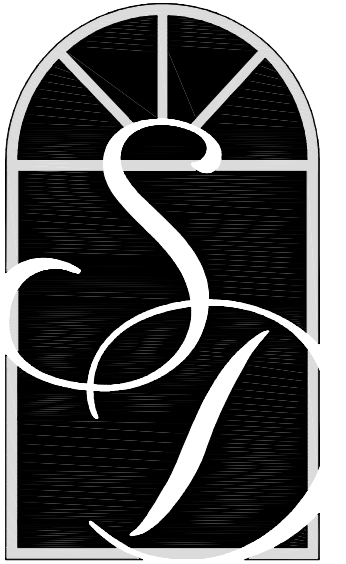
**FRONT ELEVATION  
"A"**

Plan No.

**"Anne"**

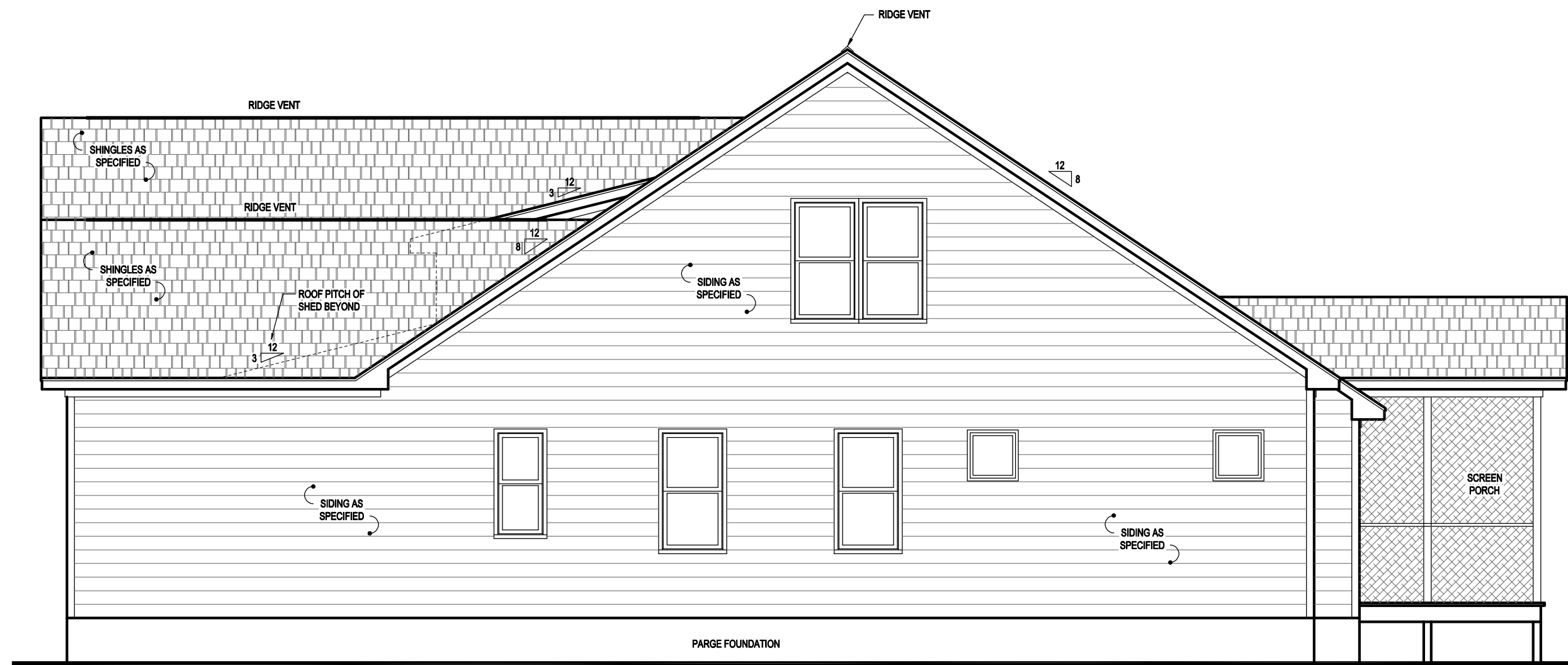
**Purfoy Place**

Sheet No.      Of



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**1 RIGHT SIDE ELEVATION 'A'**  
SCALE: 3/16" = 1'-0"



**2 LEFT SIDE ELEVATION 'A'**  
SCALE: 3/16" = 1'-0"

|              |               |
|--------------|---------------|
| Drawn By:    | RWB           |
| Checked By:  | RWB           |
| Date:        | 11-3-2020     |
| Revision No. | Revision Date |
|              |               |
|              |               |
|              |               |

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Client:  
**Triangle  
Building Properties**

Title:  
**SIDE  
ELEVATIONS  
"A"**

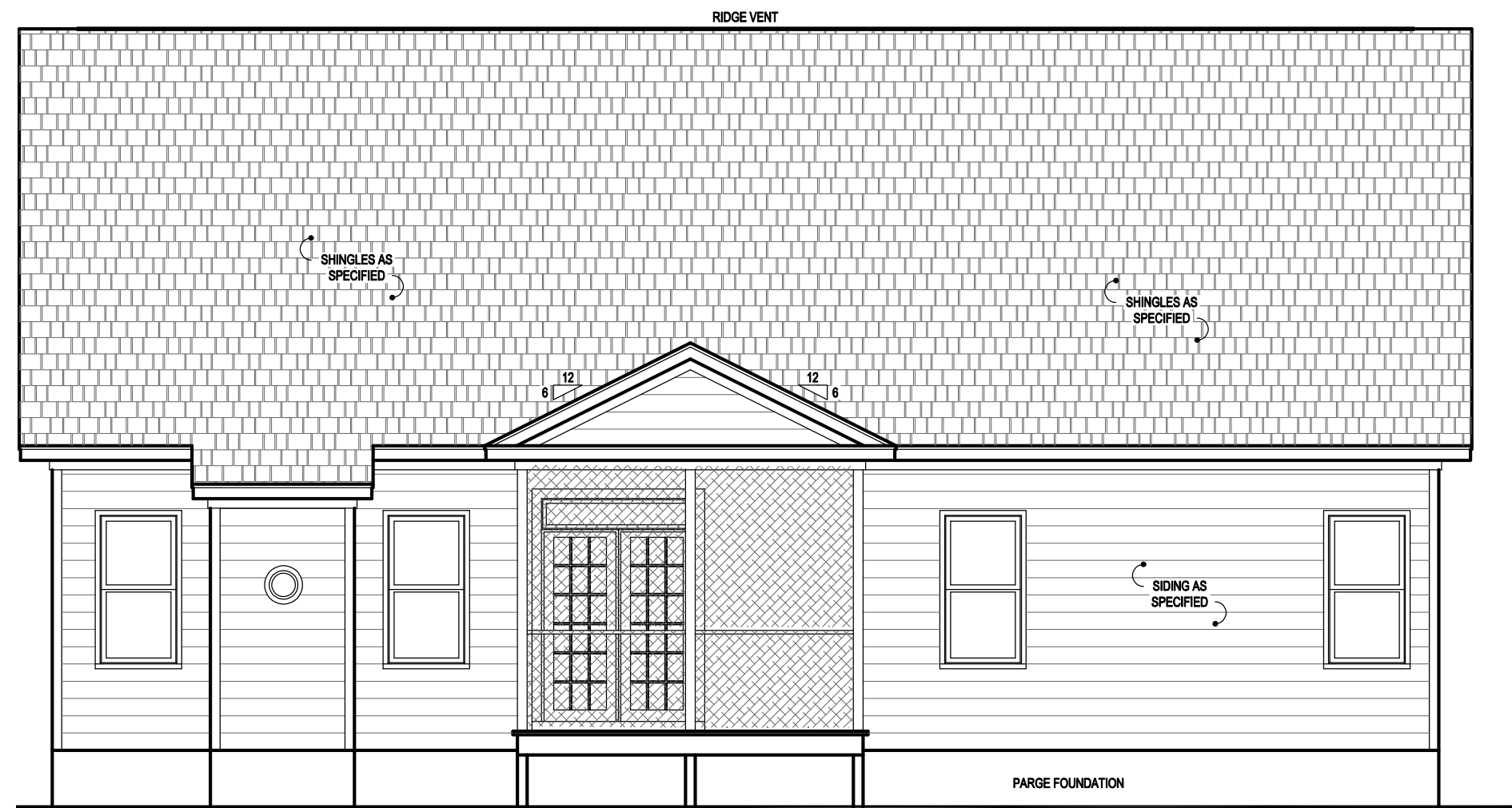
Plan No.  
**"Anne"**  
**Purfoy Place**

Sheet No.      Of



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DESIGNS**

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(F) 919-556-2228  
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**1 REAR ELEVATION 'A'**  
SCALE: 3/16" = 1'-0"

|              |               |
|--------------|---------------|
| Drawn By:    | RWB           |
| Checked By:  | RWB           |
| Date:        | 11-3-2020     |
| Revision No. | Revision Date |
|              |               |
|              |               |

**Designer Signature**

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Client:

**Triangle  
Building Properties**

Title:

**REAR  
ELEVATION  
"A"**

Plan No.

**"Anne"**

**Purfoy Place**

Sheet No.      Of

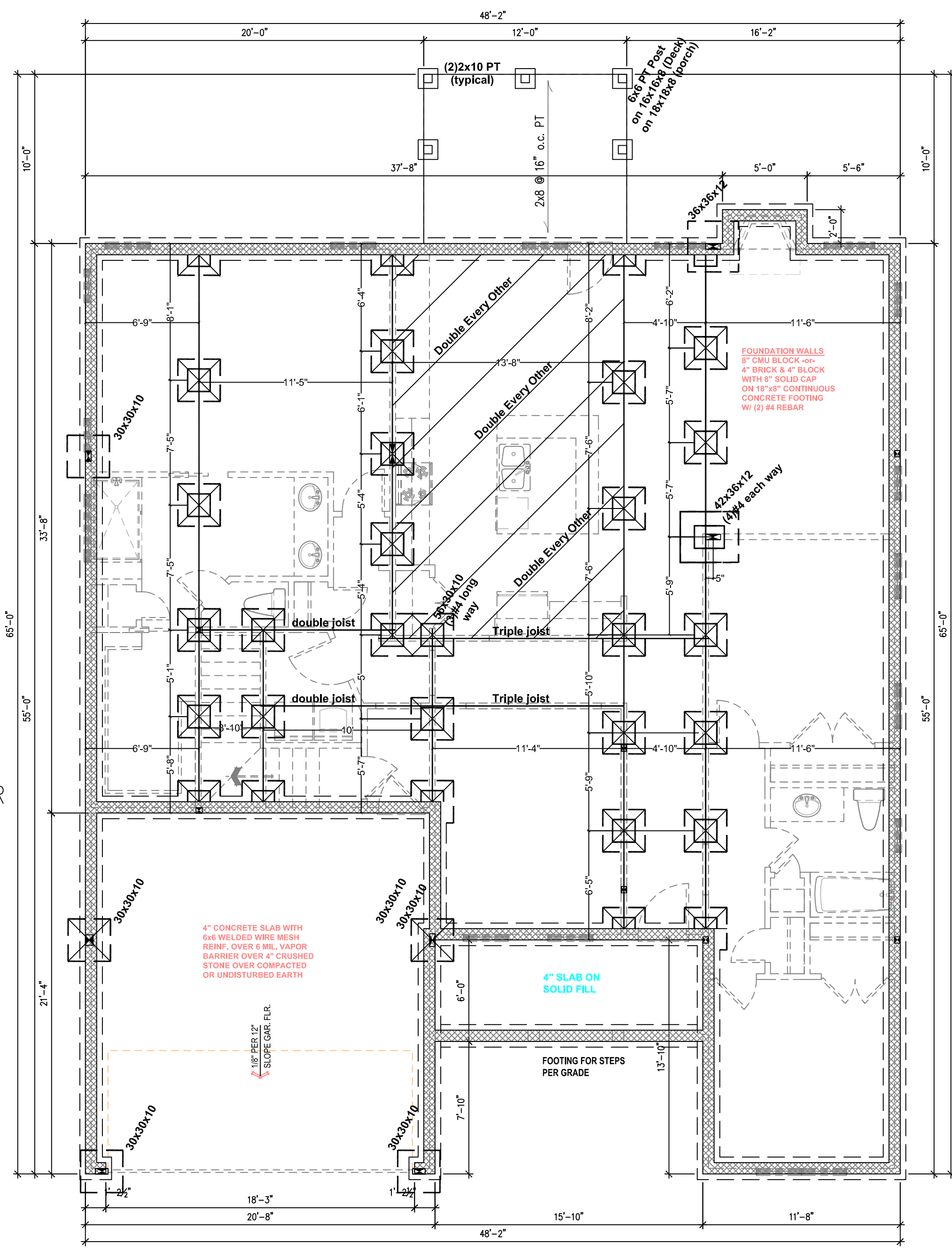


**BEAM & POINT LOAD LEGEND:**

- INTERIOR LOAD BEARING WALL
- ROOF RAFTER/TRUSS SUPPORT
- DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- ⊠ POINT LOAD TRANSFER
- ⊠ POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

**STRUCTURAL FRAMING NOTES**

- ALL FRAMING TO BE #2 SPF MINIMUM.
- ALL BEARING HEADERS TO BE (2) 2"x6" SUPPORTED W/ MIN. (1) JACK AND (1) KING EACH END U.N.O.
- ALL NON BEARING HEADERS TO BE (2)2"x4" U.N.O.
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- ALL HANGERS AND CONNECTORS SPEC'D ARE TO BE SIMPSON STRONG TIE OR EQUIVALENT.
- ALL BEAMS SPEC'D ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.
- ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB
- FRONT PORCH COLUMNS TO BE MIN. 4X4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.
- REAR PORCH COLUMNS TO BE MIN. 4X4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN.) TO PORCH HEADER/BAND.
- WHEN A 4 PLY LVL IS USED ATTACH WITH (1) 1/2" Ø BOLT 12" O.C. STAGGERED TOP AND BOTTOM, 1 1/2" MIN. FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURERS SPECIFICATIONS)
- FOR STUD COLUMNS OF 5 OR MORE, INSTALL SST CS16 STRAPS AT TOP, MIDPOINT, AND BOTTOM OF THE INSIDE FACE OF THE STUD COLUMN.



**STRUCTURAL FRAMING NOTES**

- REFER TO DETAILS SHEET DT1 FOR STRUCTURAL NOTES RELATING TO MINIMUM DESIGN LOADS, MATERIAL SPECS, CONSTRUCTION/FDN NOTES, AND ABBREVIATIONS KEY AND OTHER MISC. PLAN INFORMATION.
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- ⊠ INDICATES POINT LOAD PER CONSTRUCTION NOTE #6 ON SHEET DT1.
- ALL HANGERS AND CONNECTORS SPEC'D ARE TO BE SIMPSON STRONG TIE OR EQUIVALENT.
- ALL BEAMS SPEC'D ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.

**CRAWL SPACE VENTILATION 'A':**

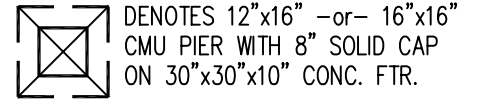
|       |                          |       |              |
|-------|--------------------------|-------|--------------|
| 2002  | SQ. FT. / 150 =          | 13.35 | SQ. FT. REQ. |
| 13.35 | SQ. FT. / .47 PER VENT = | 29    | VENTS REQ.   |

NOTE: WHERE AN APPROVED VAPOR BARRIER IS INSTALLED OVER GROUND SURFACE, THE REQUIRED VENTILATION MAY BE REDUCED BY 50%

- FOUNDATION**
- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.
  - CONCRETE AND MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OR IN ACCORDANCE WITH ACI 318, NCMA TR68-A, OR ACI 530/ASCE 5/TMS 402.
  - MASONRY AND POURED CONCRETE WALL REINFORCEMENT TO BE IN ACCORDANCE WITH TABLES R404.1.1 (1 THROUGH 4) OF THE NORTH CAROLINA RESIDENTIAL CODE.
    - A. PER R404.1.3, TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
    - B. WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
    - C. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER R405.
  - WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT SPACED A MAXIMUM OF 6'-0" O.C. (3'-0" FOR BASEMENT WALLS) AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MIN. (2) ANCHOR BOLTS PER SECTION.
  - THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.
  - CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDERS SHALL CENTER IN THE MIDDLE THIRD OF THE PIER.
  - ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH FOUNDATION WALLS.

IRC 2015 NCBC 2018 REQUIRES VAPOR BARRIER OVER 100 PERCENT OF CRAWL AREA

ALL FLOOR JOISTS  
 11 7/8 BCI 5000 @ 19.2  
 or 2 x 10 @ 16 # 2 SPF or Better  
 ORIENTED Left To Right



**CONCRETE PIER SIZES**

| Size    | Hollow Masonry | Solid Masonry     |
|---------|----------------|-------------------|
| 12"x16" | Up to 48" High | Up to 9'-0" High  |
| 16"x16" | Up to 64" High | Up to 12'-0" High |

**FOUNDATION WALLS**  
 ALL FOUNDATION WALLS 8" BLOCK PARGED -or- 4" BRICK w/ 4" BLOCK w/ 8" SOLID CAP ON 18"x8" CONTINUOUS CONCRETE FOOTER

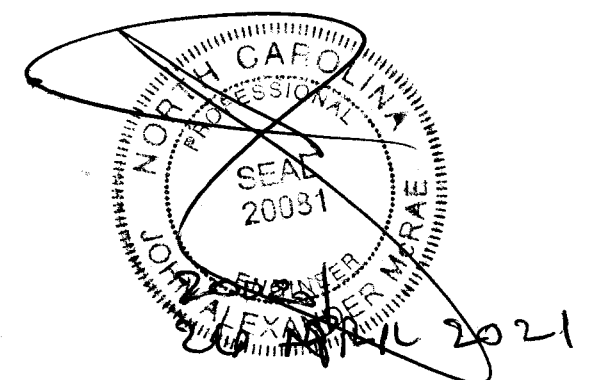
20" x 10" in areas of brick veneer

**GIRDERS**  
 (2) 9 1/4 LVL or  
 (4) 2 x 10 # 2 SYP or Better

Anchor bolts required ALL foundation walls provide 1/2" x 10" with 7 inch embedment 6' on center and 12 inches from ends / corners

**CRAWL FOUNDATION PLAN 'A'**  
 SCALE: 3/16" = 1'-0"

PROVIDE 1/2" ANCHOR BOLTS AT TREATED WOOD SILL PLATES WITH 7" EMBEDMENT AT MAXIMUM 6'-0" ON CENTER AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION



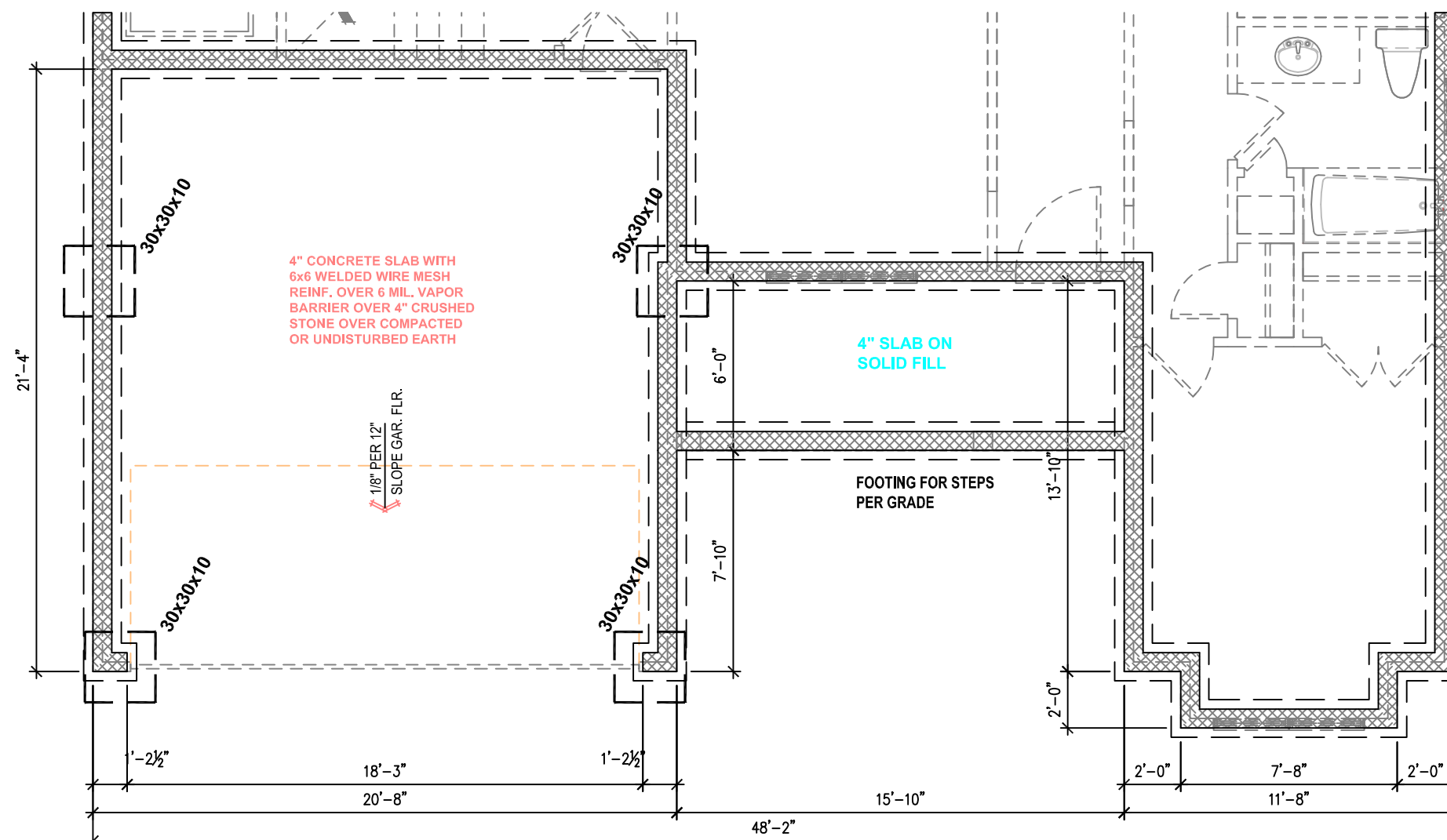
Structural Design By:  
 John Alexander McRae, PE, Inc  
 (NC C-2298)  
 218 Coley Farm Road  
 Fuquay-Varina North Carolina 27526  
 jampe@nc.rr.com (919) 210-5749  
 P O Box 1466 Apex, NC 27502  
 Report deficiencies immediately  
 2101-17  
 Design to IRC 2015 NCBC 2018

**BEAM & POINT LOAD LEGEND:**

- INTERIOR LOAD BEARING WALL
- ROOF RAFTER/TRUSS SUPPORT
- DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- ⊠ POINT LOAD TRANSFER
- ⊠ POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

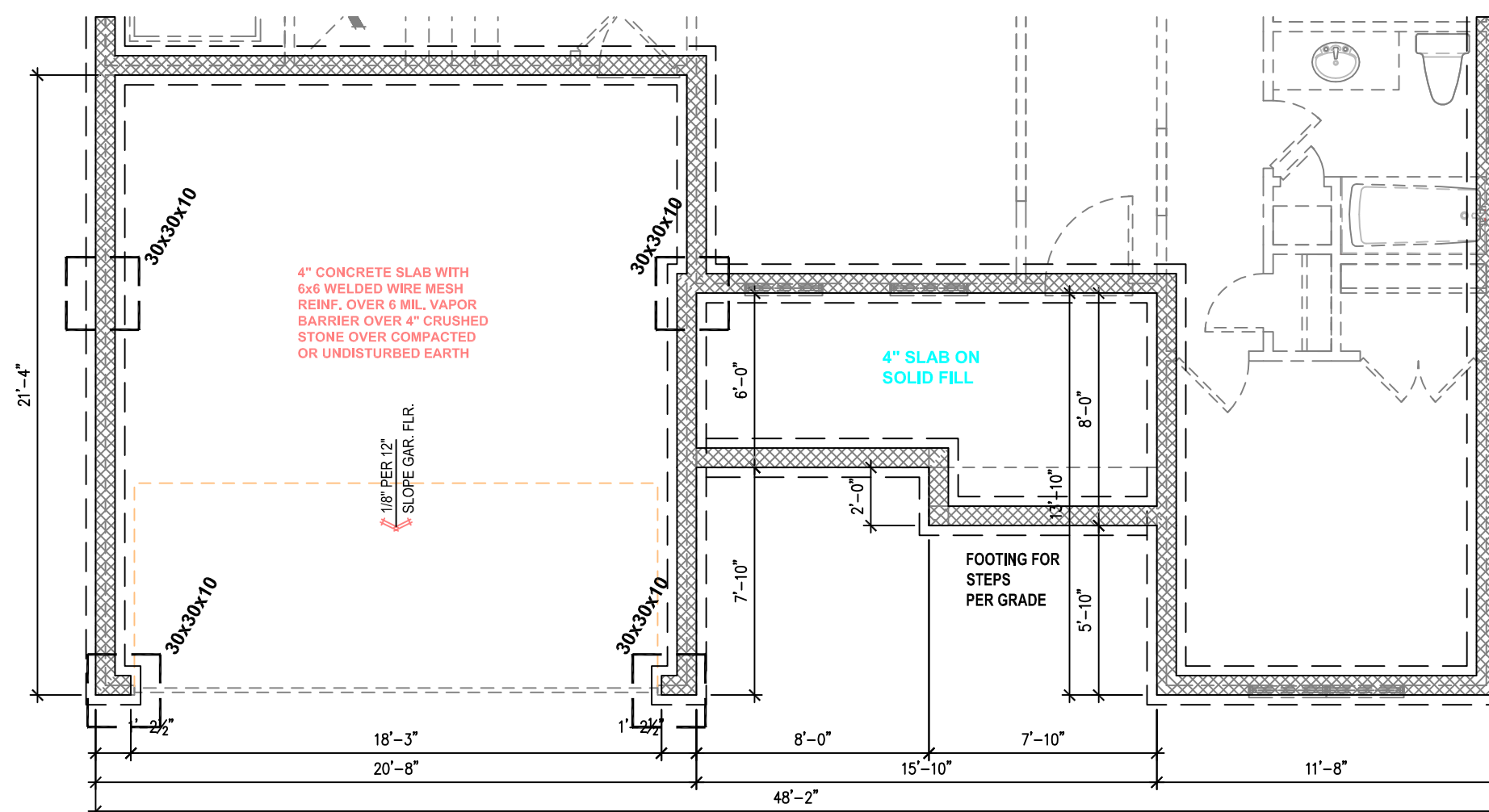
**STRUCTURAL FRAMING NOTES**

1. ALL FRAMING TO BE #2 SPF MINIMUM.
2. ALL BEARING HEADERS TO BE (2) 2"x 6" SUPPORTED W/ MIN. (1) JACK AND (1) KING EACH END U.NO.
3. ALL NON BEARING HEADERS TO BE (2)2"x4" U.NO.
4. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
5. ALL HANGERS AND CONNECTORS SPEC'D ARE TO BE SIMPSON STRONG TIE OR EQUIVALENT.
6. ALL BEAMS SPEC'D ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.
7. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB
8. FRONT PORCH COLUMNS TO BE MIN. 4X4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.
9. REAR PORCH COLUMNS TO BE MIN. 4X4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN.) TO PORCH HEADER/BAND.
10. WHEN A 4 PLY LVL IS USED ATTACH WITH (1) 1/2" Ø BOLT 12" O.C. STAGGERED TOP AND BOTTOM, 1 1/2" MIN. FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURERS SPECIFICATIONS)
11. FOR STUD COLUMNS OF 5 OR MORE, INSTALL SST CS16 STRAPS AT TOP, MIDPOINT, AND BOTTOM OF THE INSIDE FACE OF THE STUD COLUMN.



**PARTIAL CRAWL FOUNDATION PLAN 'B'**

SCALE: 3/16" = 1'-0"



**PARTIAL CRAWL FOUNDATION PLAN 'C'**

SCALE: 3/16" = 1'-0"

**CRAWL SPACE VENTILATION 'B':**

$$\frac{2002 \text{ SQ. FT.} / 150 = 13.35 \text{ SQ. FT. REQ.}}{13.35 \text{ SQ. FT.} / .47 \text{ PER VENT} = 29 \text{ VENTS REQ.}}$$

NOTE: WHERE AN APPROVED VAPOR BARRIER IS INSTALLED OVER GROUND SURFACE, THE REQUIRED VENTILATION MAY BE REDUCED BY 50%

**STRUCTURAL FRAMING NOTES**

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4. ⊠ INDICATES POINT LOAD PER CONSTRUCTION NOTE #6 ON SHEET DT1.
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6. ALL BEAMS SPEC'D ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.

**FOUNDATION**

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6. CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDELS SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS.
7. ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS.

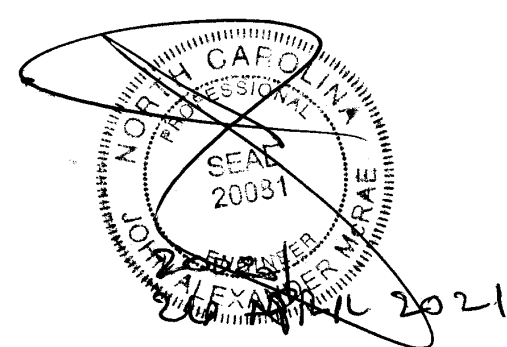
**CRAWL SPACE VENTILATION 'C':**

$$\frac{2002 \text{ SQ. FT.} / 150 = 13.35 \text{ SQ. FT. REQ.}}{13.35 \text{ SQ. FT.} / .47 \text{ PER VENT} = 29 \text{ VENTS REQ.}}$$

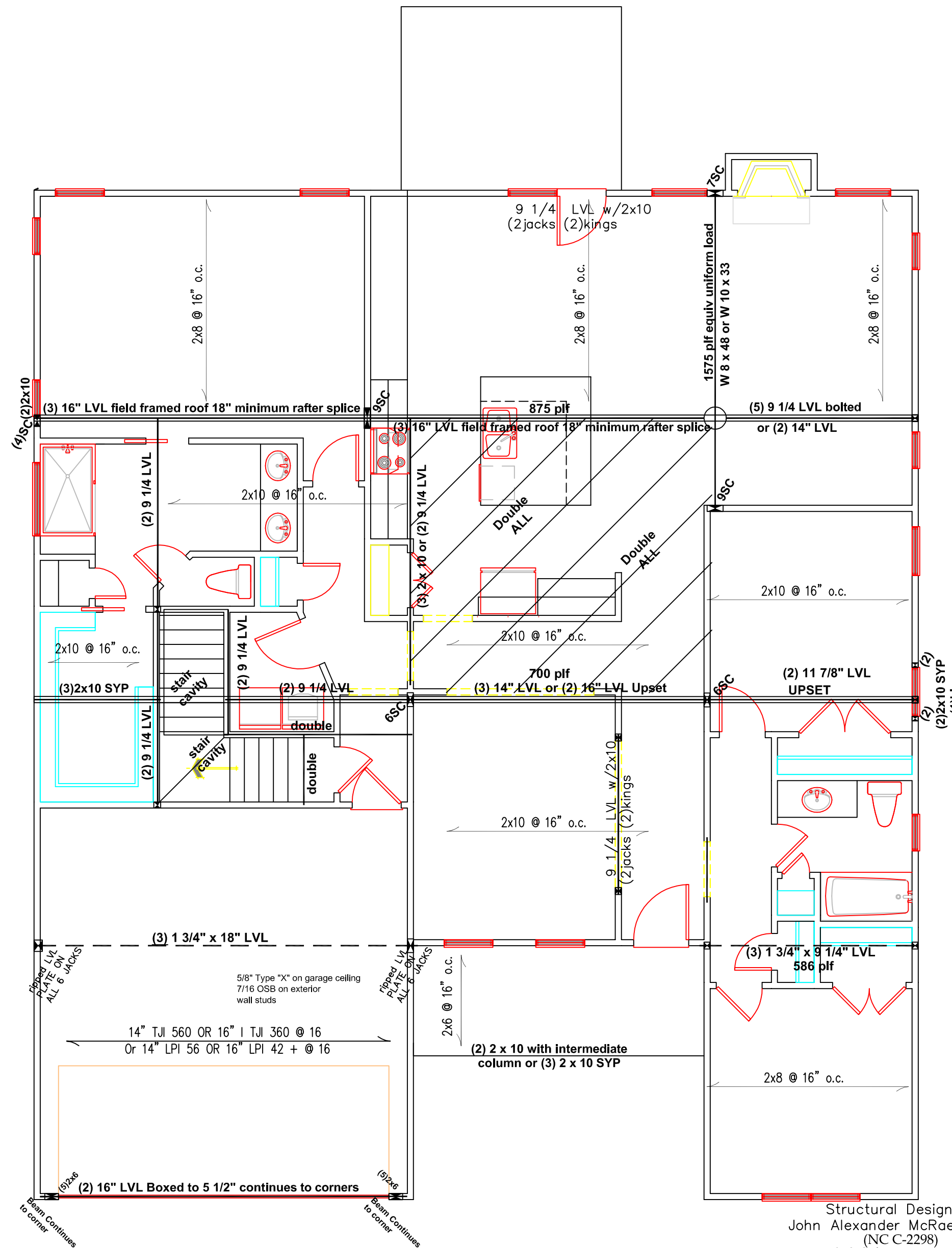
NOTE: WHERE AN APPROVED VAPOR BARRIER IS INSTALLED OVER GROUND SURFACE, THE REQUIRED VENTILATION MAY BE REDUCED BY 50%

Structural Design By:  
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 218 Coley Farm Road  
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 jampe@nc.rr.com (919) 210-5749  
 P O Box 1466 Apex, NC 27502  
 Report deficiencies immediately

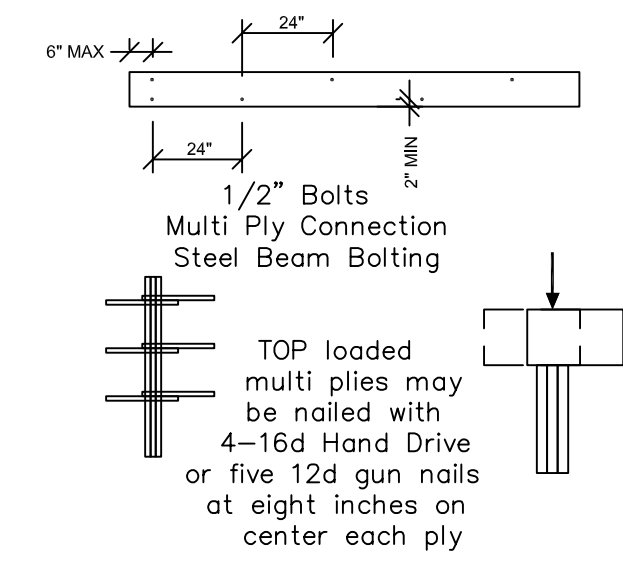
2101-17  
 Design to IRC 2015 NCBC 2018





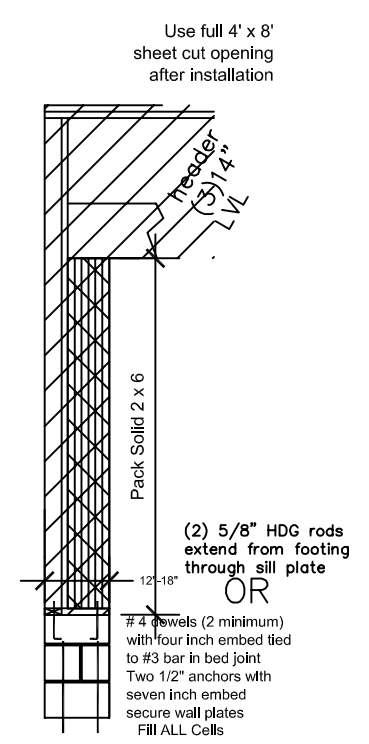


**FINISHED ATTIC NOTE (RIGHT SIDE):**  
 FOR FINISHED ATTIC OVER RIGHT SIDE  
 USE STEEL BEAM OPTION AND CONVERT  
 FLOOR SYSTEM TO I-JOISTS PER MFTR



Structural Design By:  
 John Alexander McRae PE  
 218 Coley Farm Road  
 Fuquay-Varina NC 27526  
 2629 Coopers Mountain Road  
 Martinsville Virginia 24112  
 jampe@nc.rr.com

- STRUCTURAL FRAMING NOTES**
- REFER TO DETAILS SHEET DT1 FOR STRUCTURAL NOTES RELATING TO MINIMUM DESIGN LOADS, MATERIAL SPECS, CONSTRUCTION/FDN NOTES, AND ABBREVIATIONS KEY AND OTHER MISC. PLAN INFORMATION.
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  - ALL BEARING HEADERS TO BE (2) 2"x6" SUPPORTED W/ MIN. (1) JACK AND (1) KING EACH END U.N.O.
  - ☒ INDICATES POINT LOAD PER CONSTRUCTION NOTE #6 ON SHEET DT1.
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  - ALL BEAMS SPEC'D ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.



LIMITED LENGTH OF WING WALLS WILL REQUIRE 7/16 OSB SHEATHING BOTH SIDES OF WALL LAP OSB FROM TOP PLATE DOWN FULL EIGHT FOOT SHEET PRIOR TO OPENING CUT-OUT

Design To IRC 2015 / NCBC 2018  
 ALL FLOOR JOISTS 2 X 10 @16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

**FIRST CEILING FRAMING 'A'**  
 SCALE: 3/16" = 1'-0"

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 P O Box 1466 Apex, NC 27502  
 Report deficiencies immediately  
 2101-17  
 Design to IRC 2015 NCBC 2018  
 ALL EXTERIOR AND BEARING HEADER (2) 2"x10" u.n.o.  
 ALL LVL BEAMS/HEADERS 3 STUD COLUMN EACH END u.n.o.  
 ALL FRAMING #2 SPF OR BETTER u.n.o.

Design To IRC 2015 / NCBC 2018  
 ALL FLOOR JOISTS 2 X 10 @16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

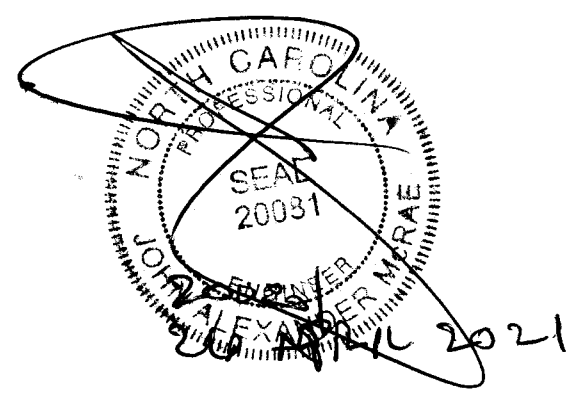
**Main Roof Structures  
 Attic Truss by Manufacturer  
 Optional Field Framing Also Shown**

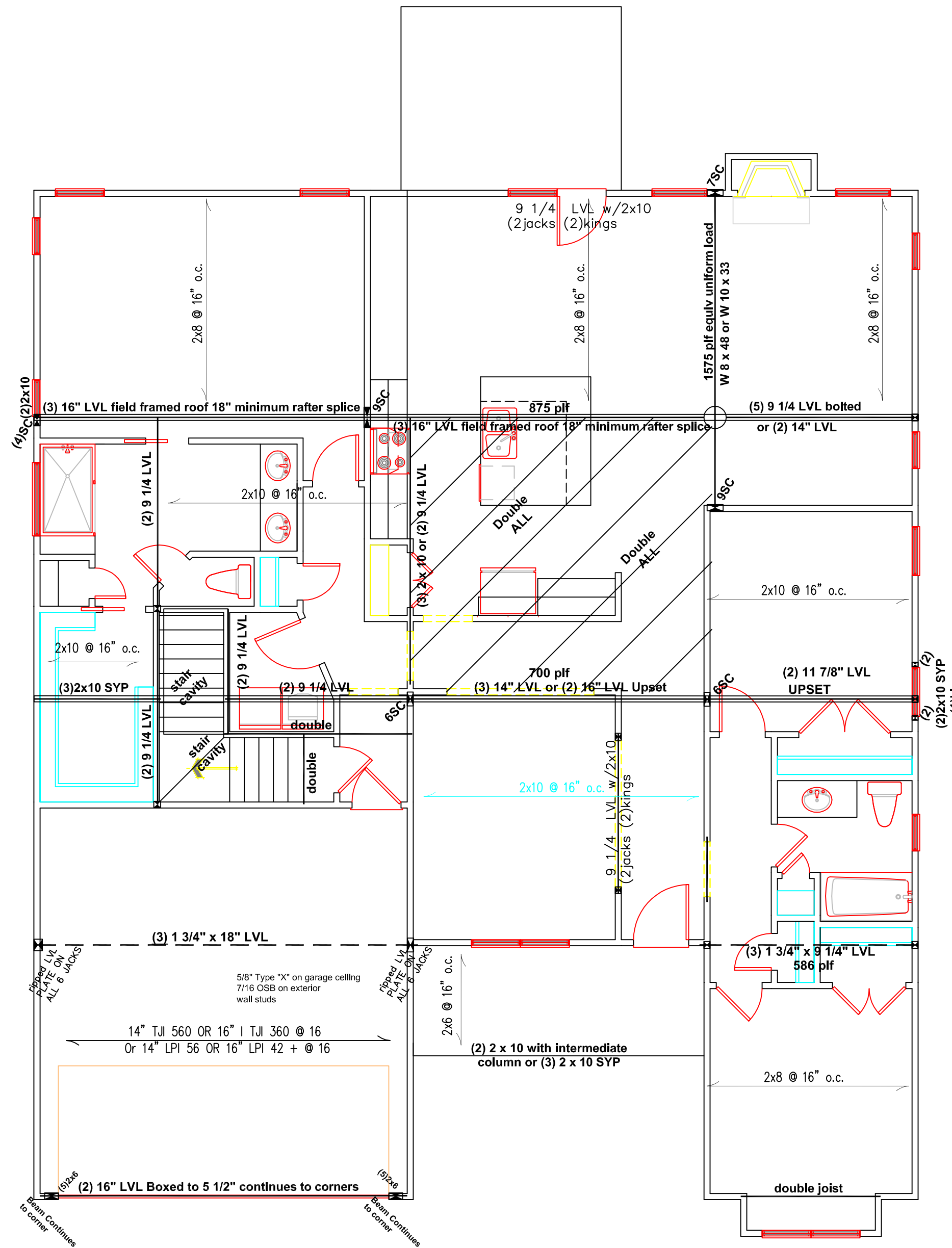
All stories to be sheathed with 7/16" OSB nailed @ six inches on center edges and ends with additional nailing of "braced" panels as noted below:

ALL EXTERIOR BEARING AND NON LOAD BEARING WALLS  
 Four Foot Panel at Corners  
 and Maximum 12' o.c.

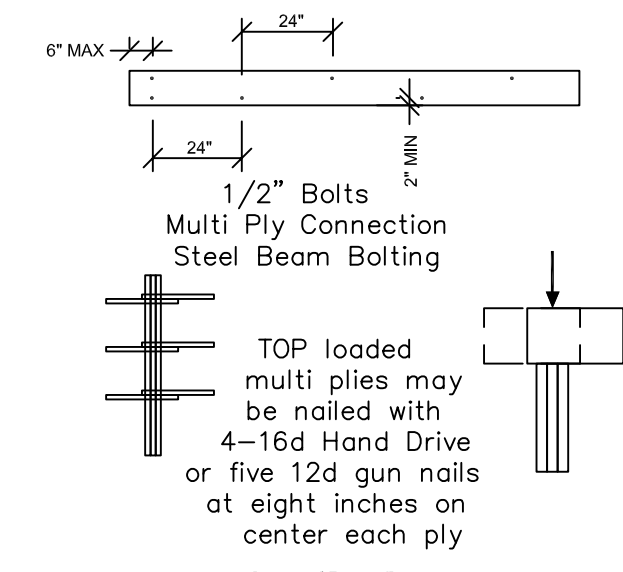
Wall Bracing 7/16" OSB Lap OSB from top plate down full eight foot sheet prior to opening cut-out. Nail with 8d nails at THREE inches on center edges/ends six inches in field. Purlins at panel

Minimum Panel Width 48" u.n.o.





**FINISHED ATTIC NOTE (RIGHT SIDE):**  
 FOR FINISHED ATTIC OVER RIGHT SIDE  
 USE STEEL BEAM OPTION AND CONVERT  
 FLOOR SYSTEM TO I-JOISTS PER MFTR



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  - ☒ INDICATES POINT LOAD PER CONSTRUCTION NOTE #6 ON SHEET DT1.
  - ALL HANGERS AND CONNECTORS SPEC'D ARE TO BE SIMPSON STRONG TIE OR EQUIVALENT.
  - ALL BEAMS SPEC'D ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.

Structural Design By:  
 John Alexander McRae, PE, Inc  
 (NC C-2298)  
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 Fuquay-Varina North Carolina 27526  
 jampe@nc.rr.com (919) 210-5749  
 P O Box 1466 Apex, NC 27502  
 Report deficiencies immediately  
 2101-17  
 Design to IRC 2015 NCBC 2018

ALL FLOOR JOISTS 2 X 10 @16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

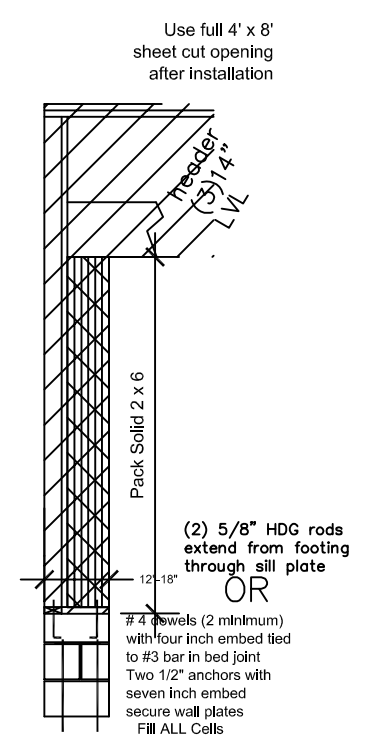
**Main Roof Structures  
 Attic Truss by Manufacturer  
 Optional Field Framing Also Shown**

All stories to be sheathed with 7/16" OSB nailed @ six inches on center edges and ends with additional nailing of "braced" panels as noted below:

ALL EXTERIOR BEARING AND NON LOAD BEARING WALLS  
 Four Foot Panel at Corners and Maximum 12' o.c.

Wall Bracing 7/16" OSB Lap OSB from top plate down full eight foot sheet prior to opening cut-out. Nail with 8d nails at THREE inches on center edges/ends six inches in field. Purlins at panel

Minimum Panel Width 48" u.n.o.



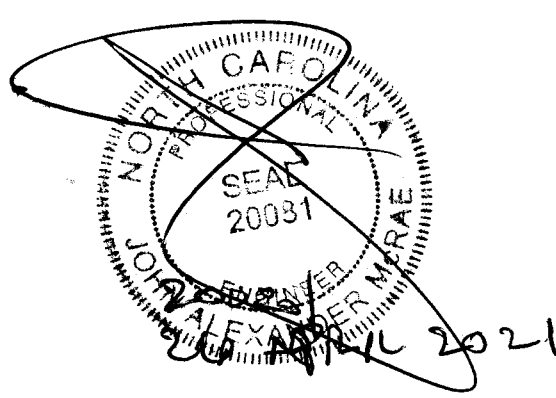
LIMITED LENGTH OF WING WALLS WILL REQUIRE 7/16 OSB SHEATHING BOTH SIDES OF WALL LAP OSB FROM TOP PLATE DOWN FULL EIGHT FOOT SHEET PRIOR TO OPENING CUT-OUT

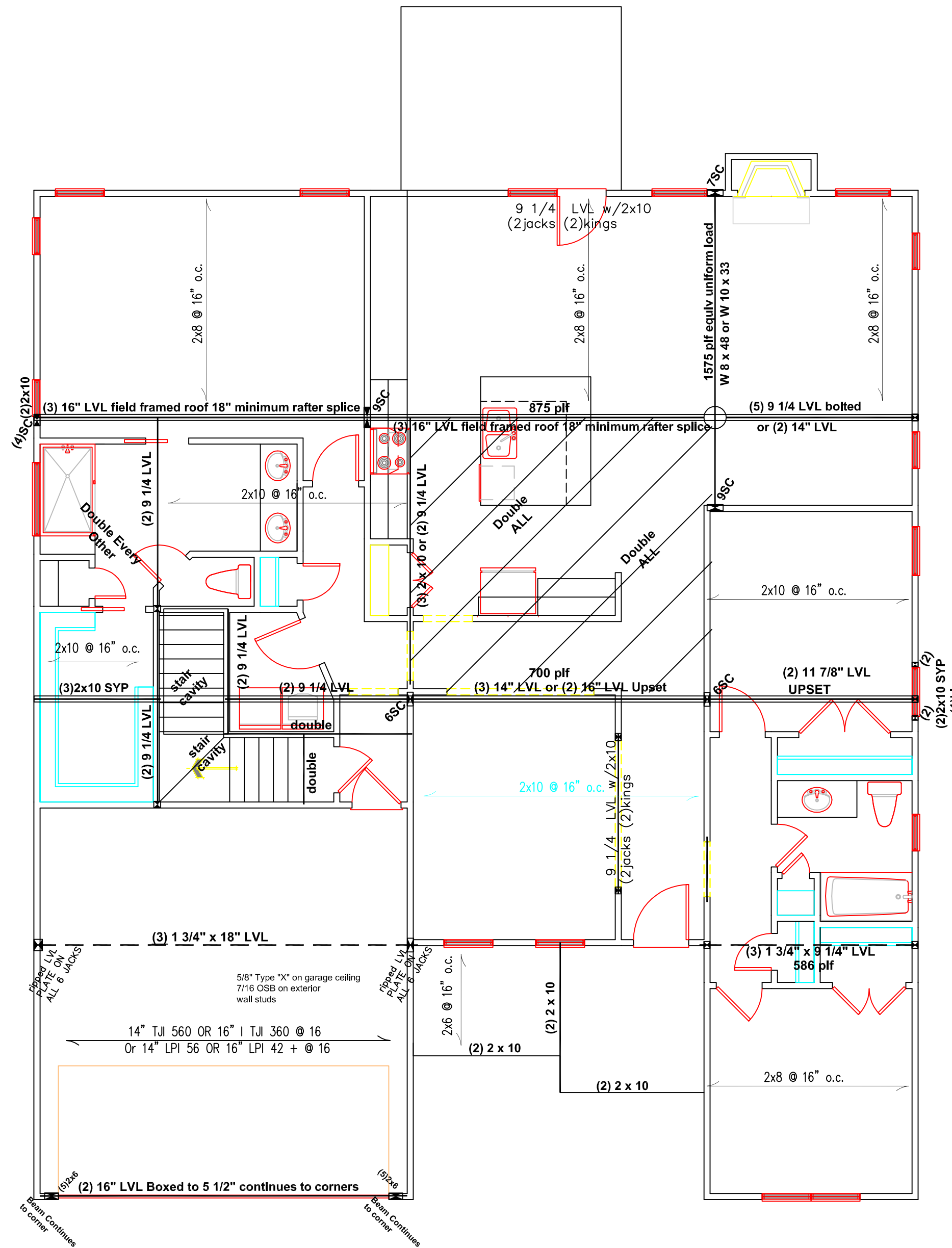
Design To IRC 2015 / NCBC 2018  
 ALL FLOOR JOISTS 2 X 10 @16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

**FIRST CEILING FRAMING 'B'**

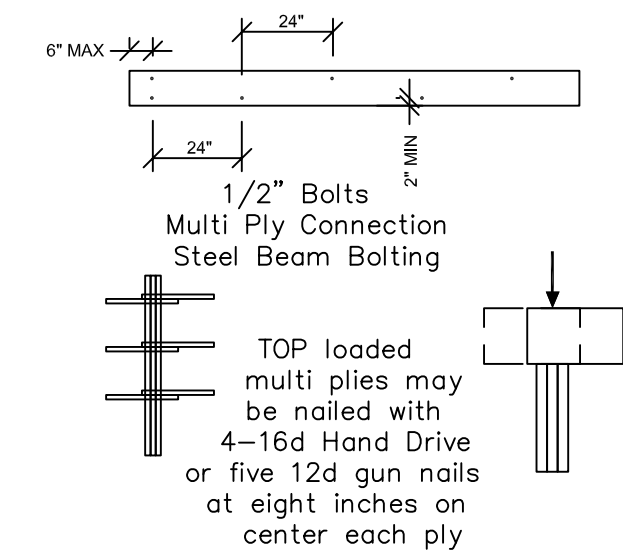
SCALE: 3/16" = 1'-0"

ALL EXTERIOR AND BEARING HEADER (2) 2"x10" u.n.o.  
 ALL LVL BEAMS/HEADERS 3 STUD COLUMNS EACH END u.n.o.  
 ALL FRAMING #2 SPF OR BETTER u.n.o.





**FINISHED ATTIC NOTE (RIGHT SIDE):**  
 FOR FINISHED ATTIC OVER RIGHT SIDE USE STEEL BEAM OPTION AND CONVERT FLOOR SYSTEM TO I-JOISTS PER MFTR



Structural Design By:  
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 Fuquay-Varina NC 27526  
 2629 Coopers Mountain Road  
 Martinsville Virginia 24112  
 jampe@nc.rr.com

- STRUCTURAL FRAMING NOTES**
- REFER TO DETAILS SHEET DT1 FOR STRUCTURAL NOTES RELATING TO MINIMUM DESIGN LOADS, MATERIAL SPECS, CONSTRUCTION/FDN NOTES, AND ABBREVIATIONS KEY AND OTHER MISC. PLAN INFORMATION.
  - ALL FRAMING TO BE #2 SPF MINIMUM.
  - ALL BEARING HEADERS TO BE (2) 2"x6" SUPPORTED W/ MIN. (1) JACK AND (1) KING EACH END U.N.O.
  - INDICATES POINT LOAD PER CONSTRUCTION NOTE #6 ON SHEET DT1.
  - ALL HANGERS AND CONNECTORS SPEC'D ARE TO BE SIMPSON STRONG TIE OR EQUIVALENT.
  - ALL BEAMS SPEC'D ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.

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ALL FLOOR JOISTS 2 X 10 @16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

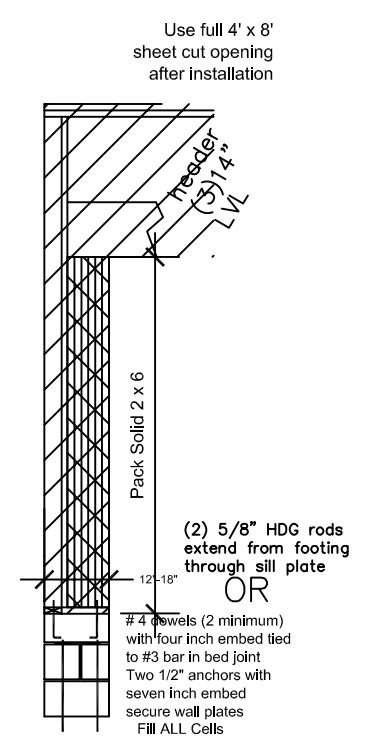
**Main Roof Structures  
 Attic Truss by Manufacturer  
 Optional Field Framing Also Shown**

All stories to be sheathed with 7/16" OSB nailed @ six inches on center edges and ends with additional nailing of "braced" panels as noted below:

ALL EXTERIOR BEARING AND NON LOAD BEARING WALLS  
 Four Foot Panel at Corners and Maximum 12' o.c.

Wall Bracing 7/16" OSB Lap OSB from top plate down full eight foot sheet prior to opening cut-out. Nail with 8d nails at THREE inches on center edges/ends six inches in field. Purlins at panel

Minimum Panel Width 48" u.n.o.



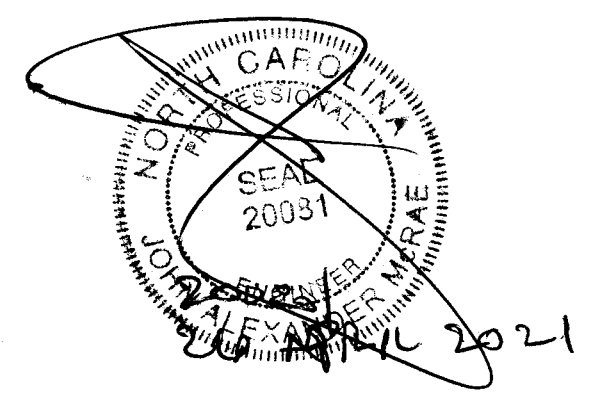
LIMITED LENGTH OF WING WALLS WILL REQUIRE 7/16 OSB SHEATHING BOTH SIDES OF WALL LAP OSB FROM TOP PLATE DOWN FULL EIGHT FOOT SHEET PRIOR TO OPENING CUT-OUT

Design To IRC 2015 / NCBC 2018  
 ALL FLOOR JOISTS 2 X 10 @16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

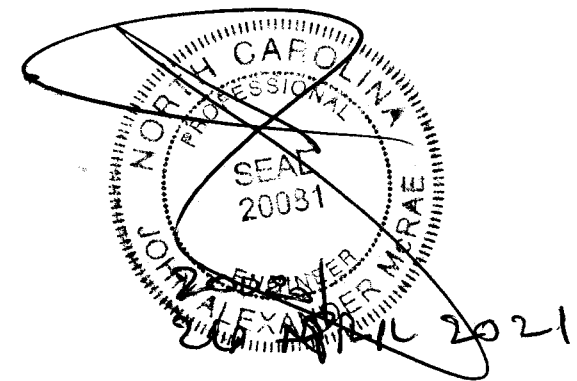
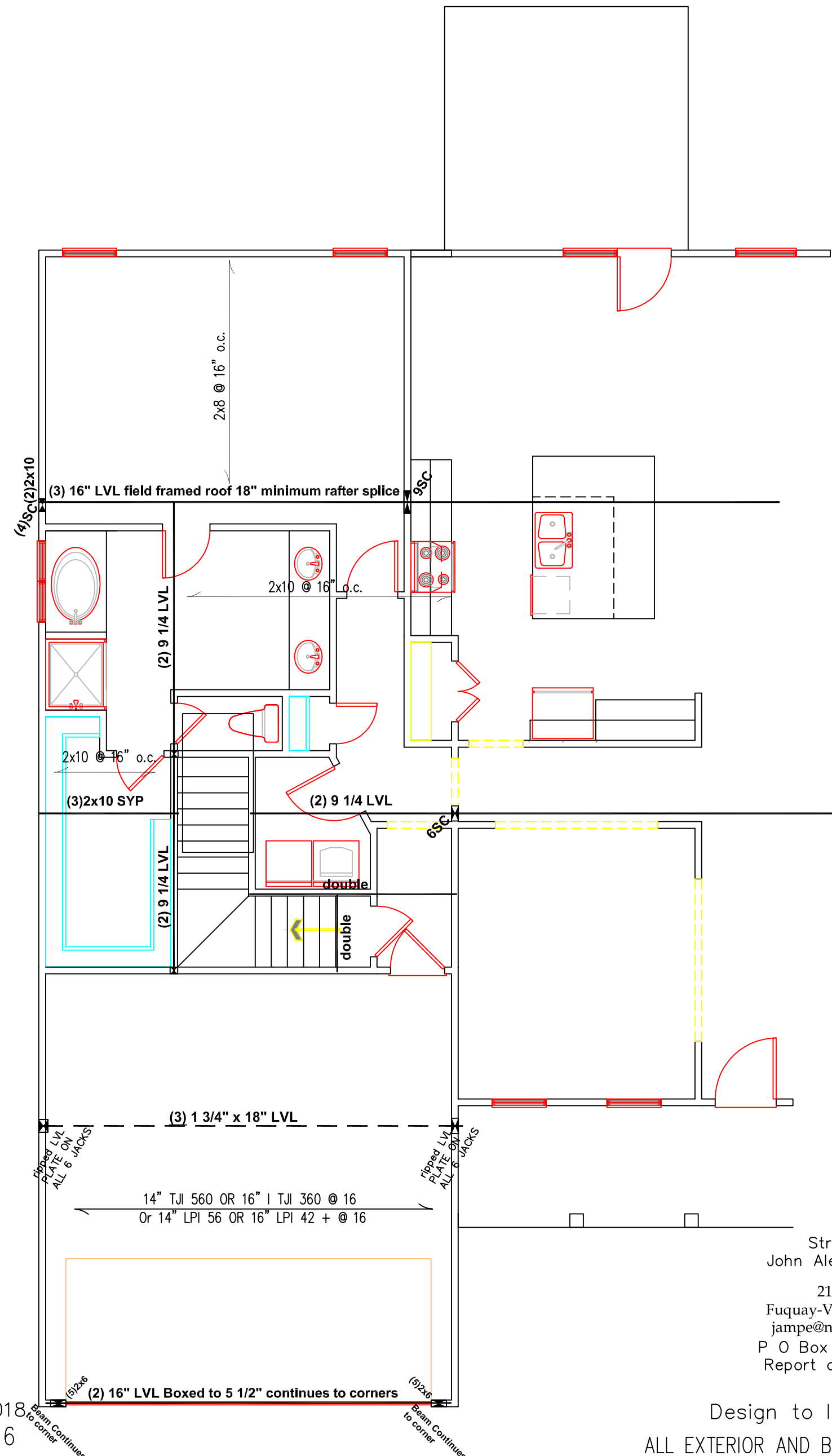
**FIRST CEILING FRAMING 'C'**

SCALE: 3/16" = 1'-0"

ALL EXTERIOR AND BEARING HEADER (2) 2"x10" u.n.o.  
 ALL LVL BEAMS/HEADERS 3 STUD COLUMNS EACH END u.n.o.  
 ALL FRAMING #2 SPF OR BETTER u.n.o.







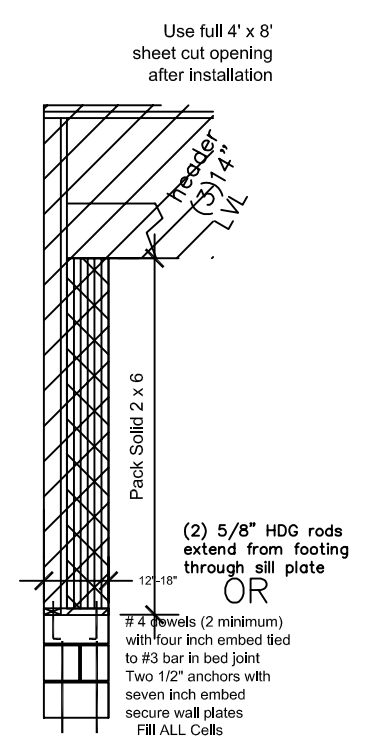
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 ALL EXTERIOR AND BEARING HEADER (2) 2"x10" u.n.o.  
 ALL LVL BEAMS/HEADERS 3 STUD COLUMN EACH END u.n.o.  
 ALL FRAMING #2 SPF OR BETTER u.n.o.

Design To IRC 2015 / NCBC 2018  
 ALL FLOOR JOISTS 2 X 10 @16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

**Main Roof Structures**  
**Attic Truss by Manufacturer**  
**Optional Field Framing Also Shown**

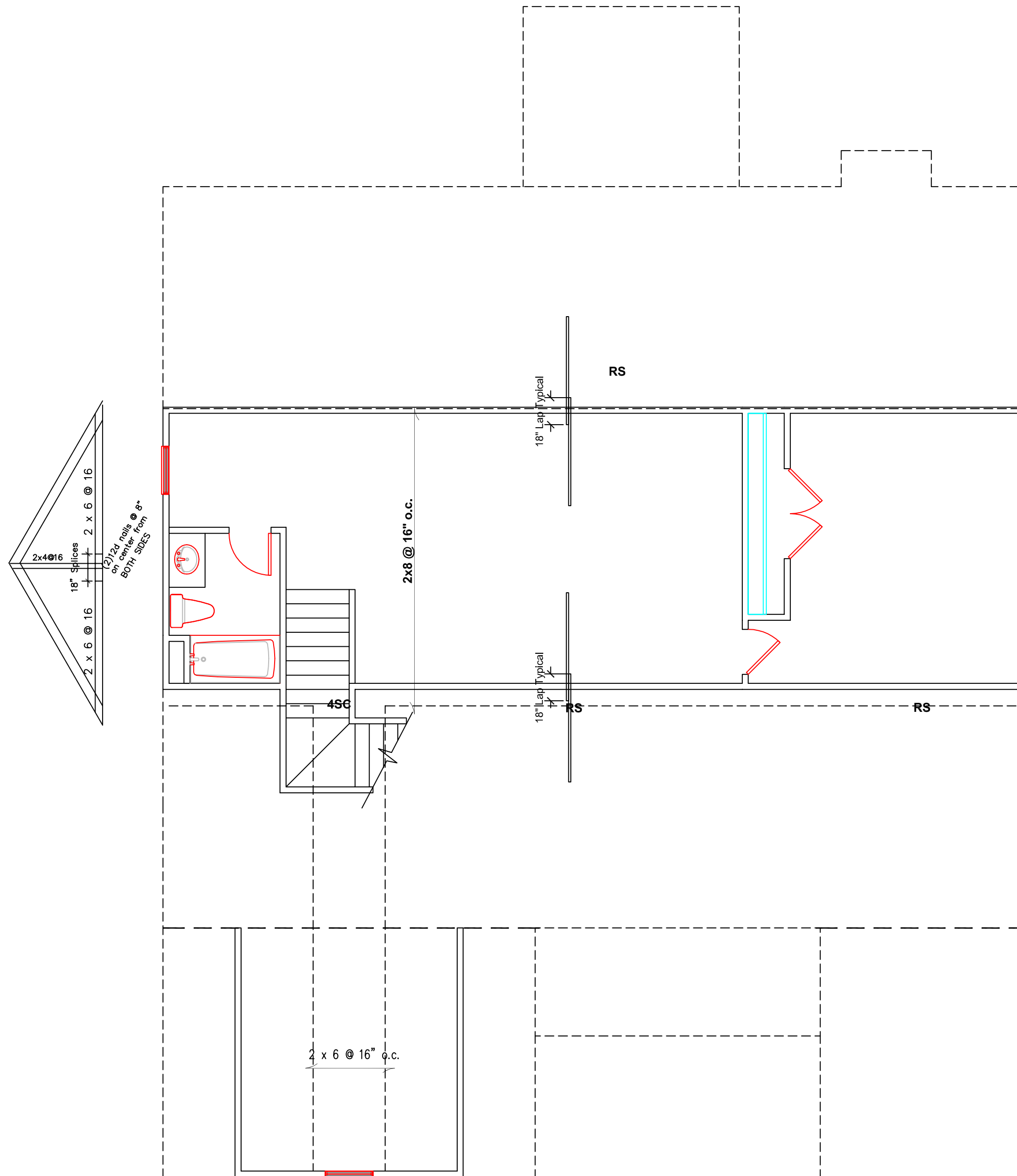
All stories to be sheathed with 7/16" OSB nailed @ six inches on center edges and ends with additional nailing of "braced" panels as noted below:  
 ALL EXTERIOR BEARING AND NON LOAD BEARING WALLS  
 Four Foot Panel at Corners and Maximum 12' o.c.  
 Wall Bracing 7/16" OSB Lap OSB from top plate down full eight foot sheet prior to opening cut-out. Nail with 8d nails at THREE inches on center edges/ends six inches in field. Purlins at panel



LIMITED LENGTH OF WING WALLS WILL REQUIRE 7/16 OSB SHEATHING BOTH SIDES OF WALL LAP OSB FROM TOP PLATE DOWN FULL EIGHT FOOT SHEET PRIOR TO OPENING CUT-OUT

Design To IRC 2015 / NCBC 2018  
 ALL FLOOR JOISTS 2 X 10 @16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

**Optional First Floor**



- STRUCTURAL FRAMING NOTES**
1. REFER TO DETAILS SHEET DT1 FOR STRUCTURAL NOTES RELATING TO MINIMUM DESIGN LOADS, MATERIAL SPECS, CONSTRUCTION/FDN NOTES, AND ABBREVIATIONS KEY AND OTHER MISC. PLAN INFORMATION.
  2. ALL FRAMING TO BE #2 SPF MINIMUM.
  3. ALL BEARING HEADERS TO BE (2) 2"x 6" SUPPORTED W/ MIN. (1) JACK AND (1) KING EACH END U.N.O.
  4. □ INDICATES POINT LOAD PER CONSTRUCTION NOTE #6 ON SHEET DT1.
  5. ALL HANGERS AND CONNECTORS SPEC'D ARE TO BE SIMPSON STRONG TIE OR EQUIVALENT.
  6. ALL BEAMS SPEC'D ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.

**Main Roof Structures  
Attic Truss by Manufacturer  
Optional Field Framing Also Shown**

Design To IRC 2015 / NCBC 2018  
 ALL FLOOR JOISTS 2 X 10 @ 16  
 #2 SPF OR BETTER  
 ALL CEILING JOIST 2 X 8 @ 16 Up To 15'  
 2 X 6 @ 16 Up To 11'

ALL EXTERIOR AND BEARING HEADER (2) 2"x10" u.n.o.  
 ALL LVL BEAMS/HEADERS 3 STUD COLUMNS EACH END u.n.o.  
 ALL FRAMING #2 SPF OR BETTER u.n.o.

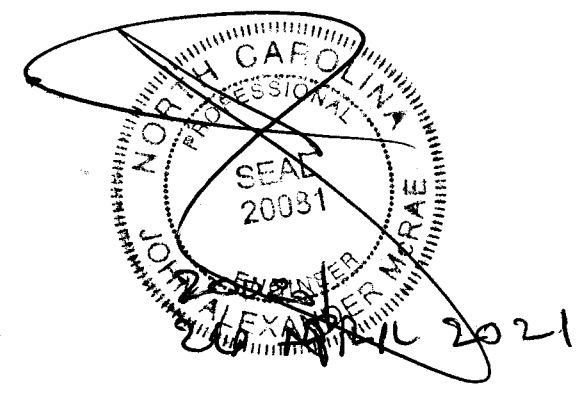
All stories to be sheathed with 7/16" OSB nailed @ six inches on center edges and ends with additional nailing of "braced" panels as noted below:

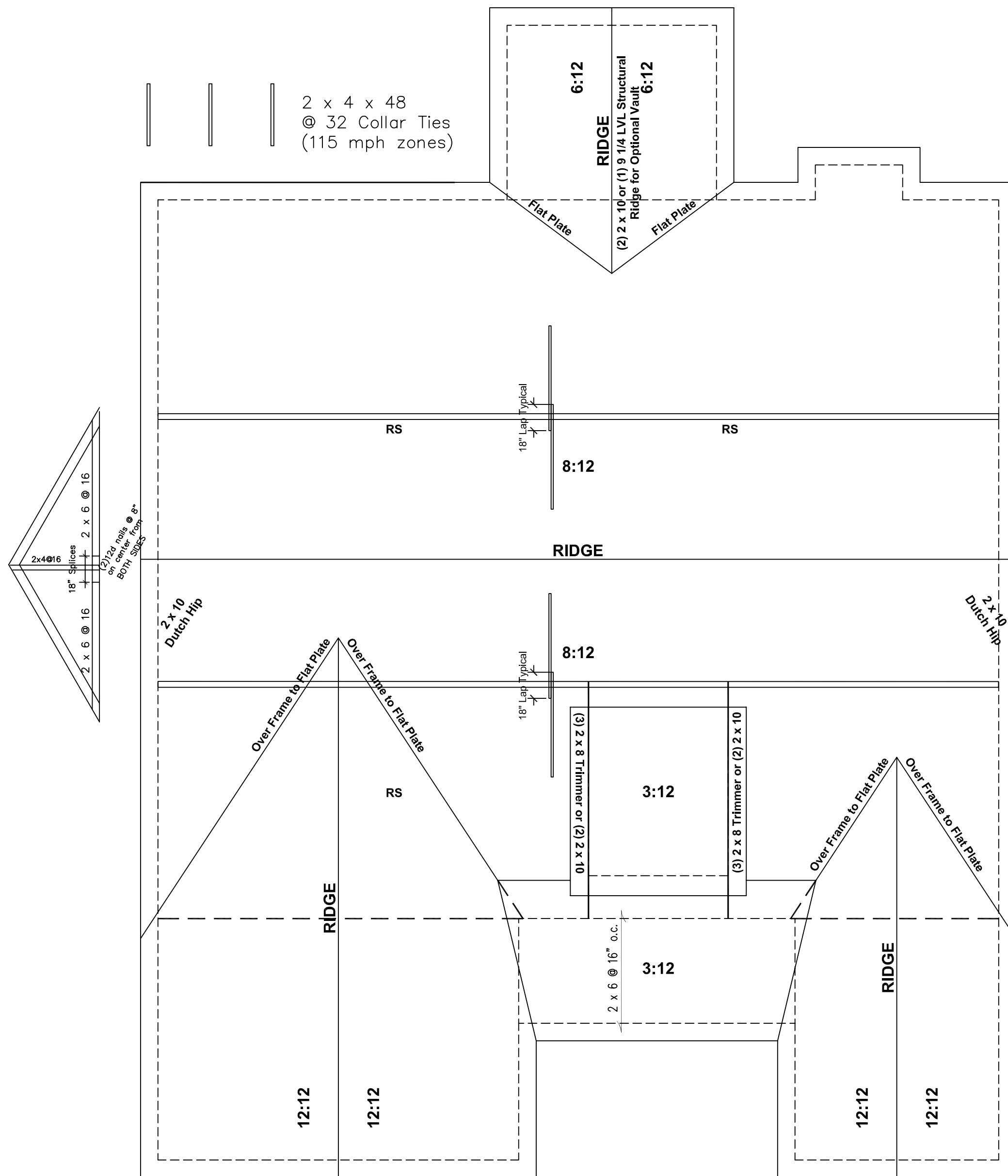
ALL EXTERIOR BEARING AND  
 NON LOAD BEARING WALLS  
 Four Foot Panel at Corners  
 and Maximum 12' o.c.

Wall Bracing 7/16" OSB Lap OSB from top plate down full eight foot sheet prior to opening cut-out. Nail with 8d nails at THREE inches on center edges/ends six inches in field. Purlins at panel Minimum Panel Width 48" u.n.o.


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**SECOND CEILING FRAMING**  
 SCALE: 3/16" = 1'-0"





**STRUCTURAL ROOF NOTES**

- SEE STRUCTURAL NOTES SHEET DT1
- FRAMING SHALL BE #2 SPF OR BETTER u.n.o.
- PROVIDE 2x4 COLLAR TIES AT 48" o.c. AT UPPER THIRD OF RAFTERS u.n.o. ON PLAN.
- FUR RIDGES FOR FULL RAFTER CONTACT
- DENOTES POINT LOAD. SEE CONSTRUCTION NOTE #6 ON SHEET DT1.
-  DENOTES OVERFRAMED AREA

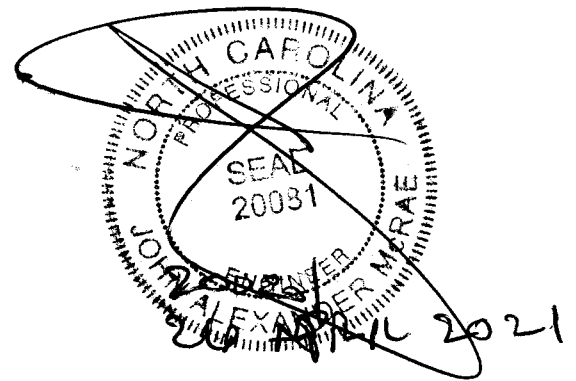
PROVIDE 2x4 RAFTER TIES AT 16" o.c. AT 45° BETWEEN RAFTERS AND CEILING JOISTS. USE (4) 16d NAILS AT EACH CONNECTION. RAFTER TIES MAY BE SPACED AT 48" o.c. AT LOCATIONS WHERE NO KNEE WALLS ARE INSTALLED.

**ATTIC VENTILATION**  
 $2948 \text{ SQ. FT. OF CEILING} / 150 = 19.7 \text{ SQ. FT. OF FREE VENT REQUIRED} = 9.83 \text{ SQ. FT. IN} / 9.83 \text{ SQ. FT. OUT}$   
 NOTE:  
 REFER TO SECTION 806 (ROOF VENTILATION) IN THE NORTH CAROLINA STATE BUILDING CODE (IRC)

All framing #2 SPF or better

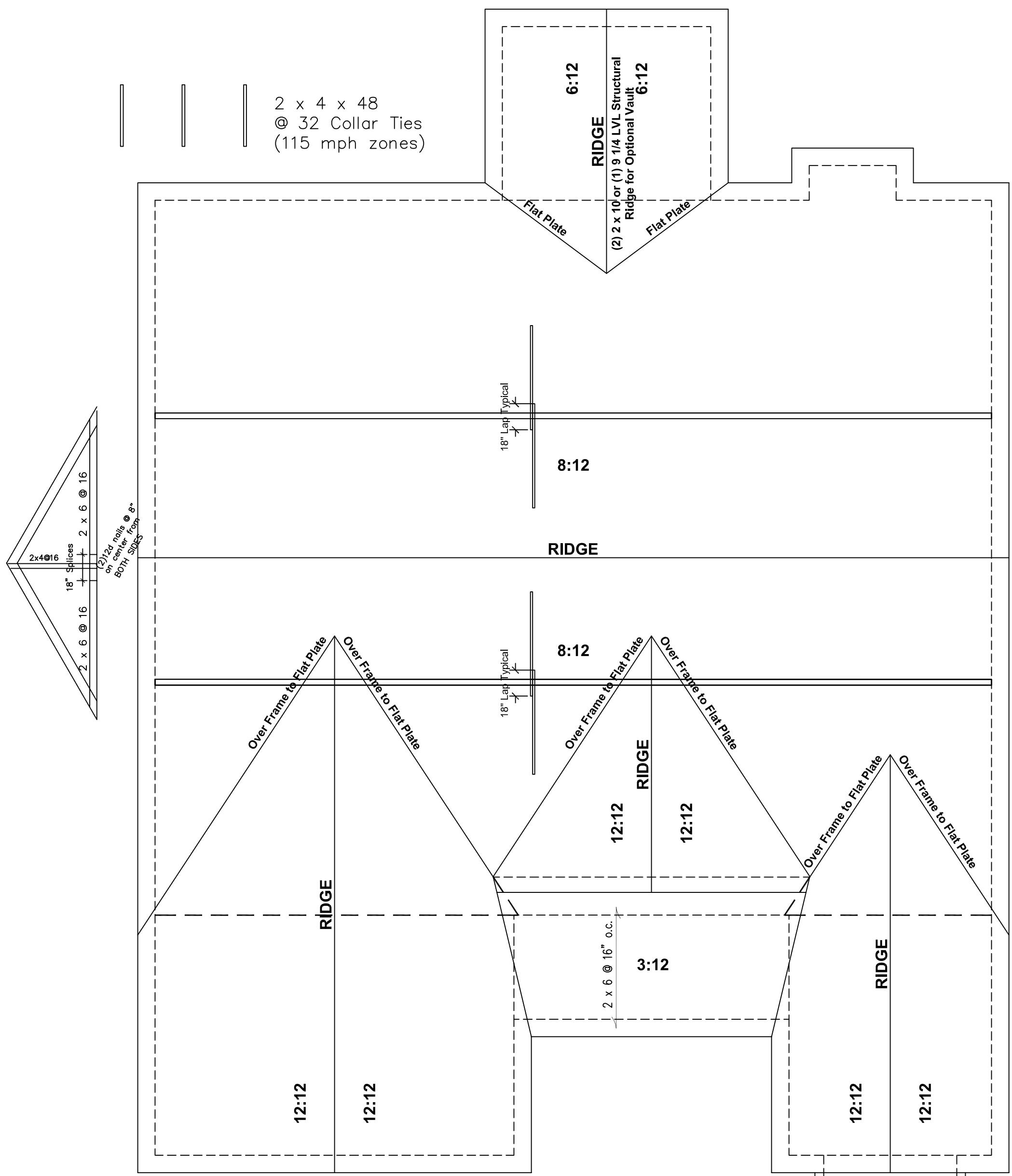
**Main Roof Structures  
 Attic Truss by Manufacturer  
 Optional Field Framing Also Shown**

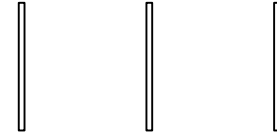
All Other Rafters  
 2 x 8 @ 16 #2  
 spf or better  
 all ridges 2 x 10 u.n.o.  
 fur ridge as required to  
 provide full rafter contact  
 fur rafters as required to  
 meet insulation code  
 lap all rafters at kneewall splices  
 18" minimum nail with 5-12d  
 nails from each side  
 IRC 2015 / NCBC 2018 Increases  
 Attic / Ceiling Insulation to R-38

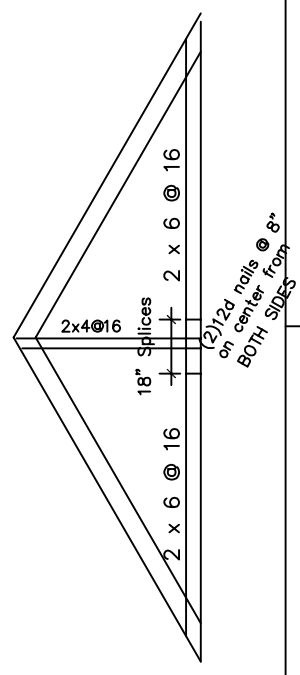


**ROOF FRAMING PLAN 'A'**  
 SCALE: 3/16" = 1'-0"



Structural Design By:  
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 2 x 4 x 48  
 @ 32 Collar Ties  
 (115 mph zones)



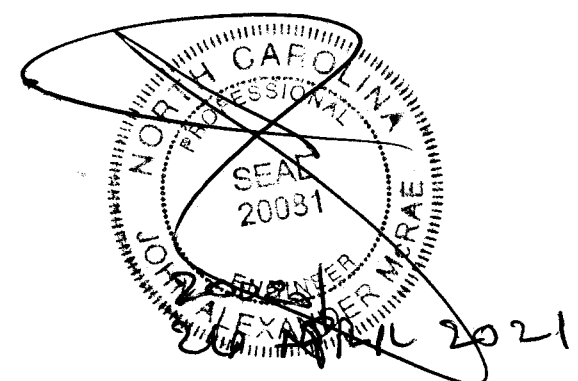
Lower Roof Pitches below 4:12  
 require alternate underlayment  
 30 # felt half lapped or EPDM  
 or Ice Dam and increase in  
 live load to 30 psf

- STRUCTURAL ROOF NOTES**
1. SEE STRUCTURAL NOTES SHEET DT1
  2. FRAMING SHALL BE #2 SPF OR BETTER u.n.o.
  3. PROVIDE 2x4 COLLAR TIES AT 48" o.c. AT UPPER THIRD OF RAFTERS u.n.o. ON PLAN.
  4. FUR RIDGES FOR FULL RAFTER CONTACT
  5.  DENOTES POINT LOAD. SEE CONSTRUCTION NOTE #6 ON SHEET DT1.
  6.  DENOTES OVERFRAMED AREA

PROVIDE 2x4 RAFTER TIES AT 16" o.c. AT 45° BETWEEN RAFTERS AND CEILING JOISTS. USE (4) 16d NAILS AT EACH CONNECTION. RAFTER TIES MAY BE SPACED AT 48" o.c. AT LOCATIONS WHERE NO KNEE WALLS ARE INSTALLED.

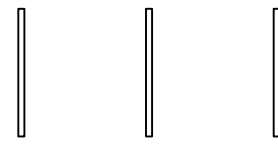
**Main Roof Structures**  
**Attic Truss by Manufacturer**  
**Optional Field Framing Also Shown**

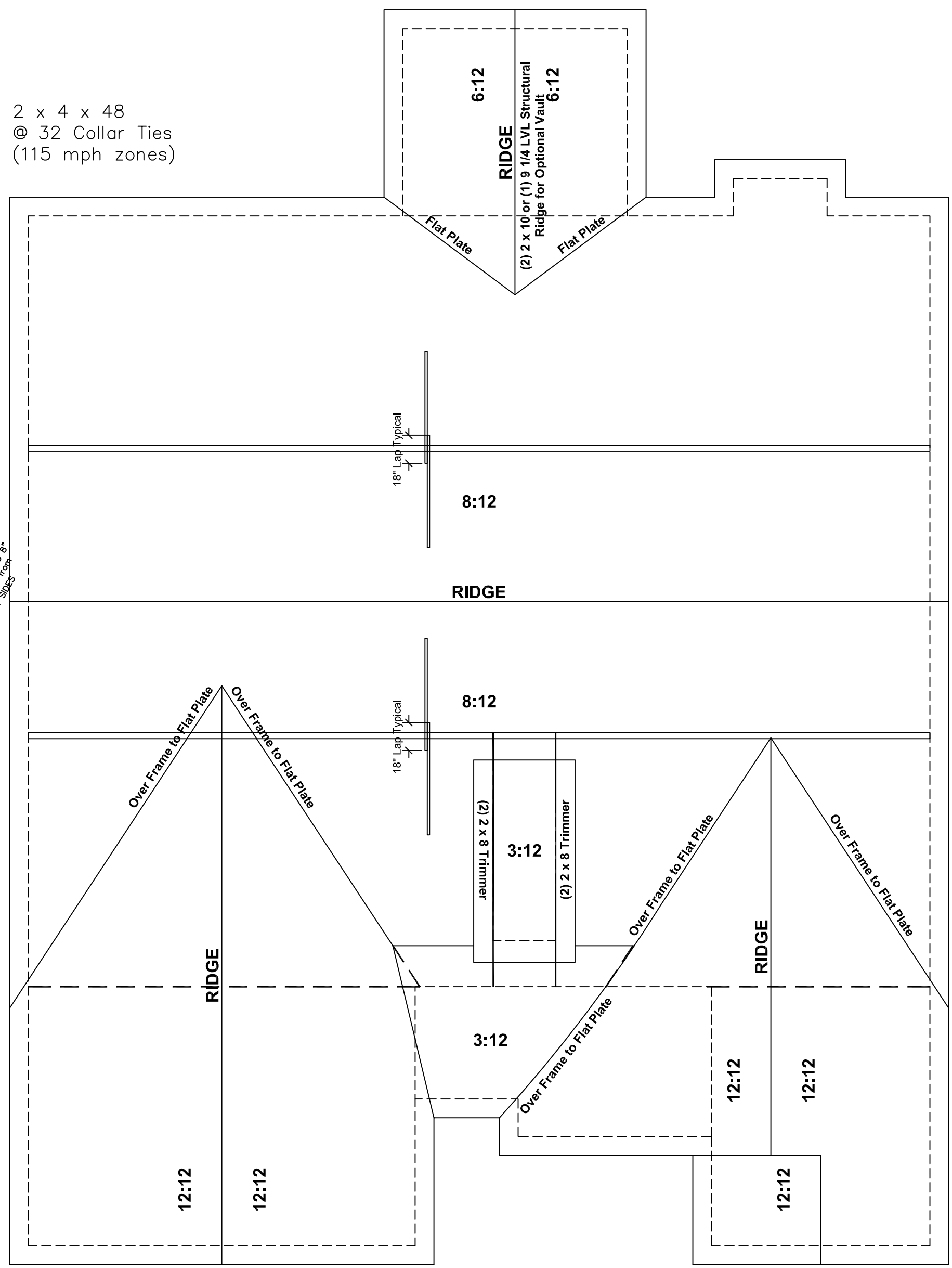
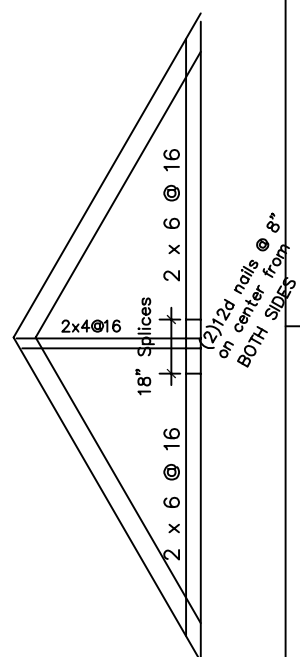
All Other Rafters  
 2 x 8 @ 16 #2  
 spf or better  
 all ridges 2 x 10 u.n.o.  
 fur ridge as required to  
 provide full rafter contact  
 fur rafters as required to  
 meet insulation code  
 lap all rafters at kneewall splices  
 18" minimum nail with 5-12d  
 nails from each side  
 IRC 2015 / NCBC 2018 Increases  
 Attic / Ceiling Insulation to R-38





**ROOF FRAMING PLAN 'B'**  
**SCALE: 3/16" = 1'-0"**

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 2 x 4 x 48  
 @ 32 Collar Ties  
 (115 mph zones)



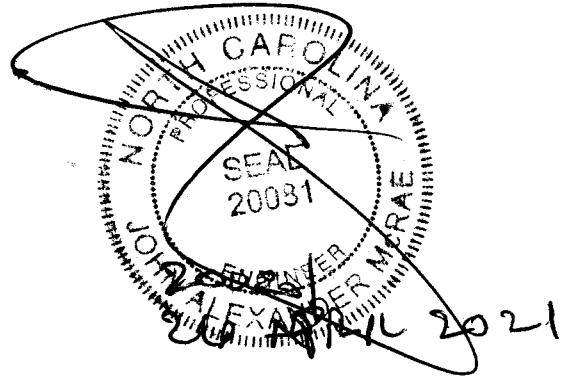
**STRUCTURAL ROOF NOTES**

- SEE STRUCTURAL NOTES SHEET DT1
- FRAMING SHALL BE #2 SPF OR BETTER u.n.o.
- PROVIDE 2x4 COLLAR TIES AT 48" o.c. AT UPPER THIRD OF RAFTERS u.n.o. ON PLAN.
- FUR RIDGES FOR FULL RAFTER CONTACT
-  DENOTES POINT LOAD. SEE CONSTRUCTION NOTE #6 ON SHEET DT1.
-  DENOTES OVERFRAMED AREA

PROVIDE 2x4 RAFTER TIES AT 16" o.c. AT 45° BETWEEN RAFTERS AND CEILING JOISTS. USE (4) 16d NAILS AT EACH CONNECTION. RAFTER TIES MAY BE SPACED AT 48" o.c. AT LOCATIONS WHERE NO KNEE WALLS ARE INSTALLED.

**Main Roof Structures**  
**Attic Truss by Manufacturer**  
**Optional Field Framing Also Shown**

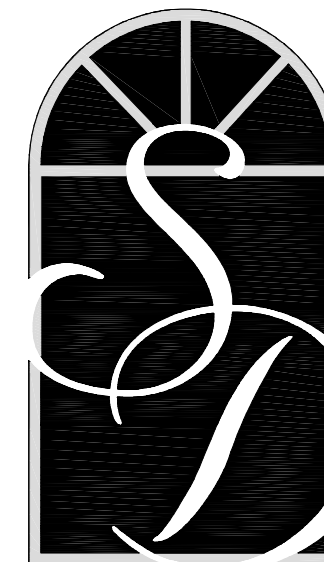
All Other Rafters  
 2 x 8 @ 16 #2  
 spf or better  
 all ridges 2 x 10 u.n.o.  
 fur ridge as required to  
 provide full rafter contact  
 fur rafters as required to  
 meet insulation code  
 lap all rafters at kneewall splices  
 18" minimum nail with 5-12d  
 nails from each side  
 IRC 2015 / NCBC 2018 Increases  
 Attic / Ceiling Insulation to R-38



**ROOF FRAMING PLAN 'C'**  
 SCALE: 3/16" = 1'-0"

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**SOUTH  
DESIGNS**

P.O. Box 688  
Wake Forest, NC 27588  
(O) 919-556-2226  
(F) 919-556-2228  
www.southdesigns.com

Drawn By: **RWB**

Checked By: **RWB**

Date: **11-3-2020**

| Revision No. | Revision Date |
|--------------|---------------|
|              |               |
|              |               |
|              |               |
|              |               |

**Designer Signature**

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South Designs, Inc. assumes no liability for any home constructed from these plans. Contractor or builder shall verify all dimensions and conditions prior to construction. Caution must be exercised when making changes to these drawings. If changes are made to these drawings, contact South Designs.

Client:  
**Triangle  
Building Properties**

Title:

Plan No.  
**"Anne"**  
Purfoy Place

Sheet No. \_\_\_\_\_ Of \_\_\_\_\_

**GENERAL NOTES**

- ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF GEOMETRY. JDS CONSULTING & DESIGN, PLLC ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. ENGINEER TO BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.
- ALL CONSTRUCTION, WORKMANSHIP, MATERIAL QUALITY AND SELECTION SHALL BE IN ACCORDANCE WITH THE **NORTH CAROLINA STATE BUILDING CODE - RESIDENTIAL CODE 2012 EDITION** FROM THE 2009 INTERNATIONAL RESIDENTIAL CODE (IRC). DIMENSIONS SHALL GOVERN OVER SCALE AND CODE SHALL GOVERN OVER DIMENSIONS.
- THESE PLANS ARE ISSUED FOR A CONDITIONAL ONE TIME USE FOR THE LOT OR ADDRESS SPECIFIED ON THE TITLE BLOCK. PLANS MUST HAVE SIGNED SEAL AND BE CONSTRUCTED ON SPECIFIED LOT OR ADDRESS TO BE VALID.

**CONSTRUCTION**

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. FURTHERMORE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY ON SITE. NOTIFY JDS CONSULTING & DESIGN, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.
- ALL INTERIOR AND EXTERIOR BEARING HEADERS TO BE MINIMUM (2) 2x6 #2 SPF WITH (1) JACK AND (1) KING STUD AT EACH END U.N.O.
- ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.
- ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MIN. BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS U.N.O.
- ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED WITH A MINIMUM OF THREE STUDS U.N.O.
- SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
- ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS TO BE PROVIDED FOR REVIEW AND COORDINATED WITH THE ENGINEER OF RECORD. INSTALLATION TO BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ROOF TRUSS DRAWINGS TO BE SIGNED AND SEALED BY THE MANUFACTURER AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
- STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAM. BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS TO BE SPACED AT 24" o.c. (MAX), AND STAGGERED TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH TWO BOLTS TO BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM.
- BRICK LINTELS TO BE 3 1/2 x 3 1/2 x 1/4 STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6 x 4 x 5/16 STEEL ANGLE FOR SPANS GREATER THAN 6'-0" AND UP TO 10'-0" U.N.O.
- BRICK LINTELS AT SLOPED AREAS TO 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 TRIPLE 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.
- ATTACH PORCH COLUMNS TO SLAB/FDN WALL USING ABA -OR- ABE SIMPSON POST BASES TO FIT COLUMN SIZES CALLED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT.
- ATTACH PORCH COLUMNS TO UPPER PORCH BANDS USING AC -OR- BC SIMPSON POST CAPS TO FIT COLUMN SIZES CALLED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT.
- ALL METAL HANGERS, STRAPS, AND HOLD-DOWNS TO BE SIMPSON STRONG-TIE OR EQUIV.

**DESIGN LOADS**

|                           | LIVE LOAD (PSF) | DEAD LOAD (PSF) |
|---------------------------|-----------------|-----------------|
| 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             | -               |

**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 BUILDING LOCATED IN EXPOSURE B

ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE DESIGNED BASED ON ROOF PITCHES AND MEAN ROOF HEIGHT AS FOLLOWS:

| ROOF PITCH      | MEAN ROOF HEIGHT |          |          |
|-----------------|------------------|----------|----------|
|                 | 0-30 FT          | 35 FT    | 40 FT    |
| 0:12 TO 2:25:12 | 45.4 PSF         | 47.7 PSF | 49.5 PSF |
| 2:25:12 TO 7:12 | 34.8 PSF         | 36.5 PSF | 37.9 PSF |
| 7:12 TO 12:12   | 21.9 PSF         | 22.1 PSF | 22.9 PSF |

WALL CLADDING SHALL BE DESIGNED FOR A 24.1 PSF POSITIVE AND NEGATIVE PRESSURE

**ROOF TRUSS SYSTEM (IF USED)**

TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS SHALL BE PROVIDED FOR REVIEW AND COORDINATED WITH THE ENGINEER OF RECORD AS REQUIRED BY THE BUILDING CODE OFFICIALS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

**UPLIFT NOTE:**

- MIFR TO PROVIDE REQUIRED UPLIFT CONNECTION.
- PROVIDE H2.5A OR EQUIVALENT AT EACH RAFTER TO TOP PLATE CONNECTION (MIN) AT OVER-FRAMED AREAS.
- UPLIFT CONNECTION TO BE CARRIED THRU TO FLOOR SYSTEM.

**MATERIALS**

- INTERIOR / TRIMMED FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES:  
Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI
- FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:  
Fb = 975 PSI Fv = 95 PSI E = 1.6E6 PSI
- LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI
- PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2900 PSI Fv = 290 PSI E = 2.0E6 PSI
- LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI
- STRUCTURAL STEEL WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A36. Fy = 50 KSI
- REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60.
- SEE **TABLE R602.3(1)** FOR STRUCTURAL MEMBER FASTENING REQUIREMENTS.
- POURED CONCRETE TO BE MINIMUM 3000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN ACI 318 OR ASTM C 1157.
- CONCRETE LOCATED PER **TABLE R301.2(1)** SHALL BE AIR ENTRAINED PER **TABLE R402.2**
- MASONRY UNITS SHALL CONFORM TO ACI 530/ASCE 5/TMS 402 AND MORTAR SHALL COMPLY WITH ASTM C 270.

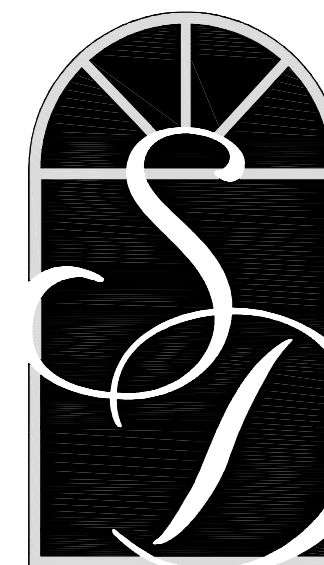
**FOUNDATION**

- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.
- CONCRETE AND MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF **SECTION R404** OR IN ACCORDANCE WITH ACI 318, NCMA TR68-A, OR ACI 530/ASCE 5/TMS 402.
- MASONRY AND POURED CONCRETE WALL REINFORCEMENT TO BE IN ACCORDANCE WITH **TABLES R404.1.1 (1 THROUGH 4)** OF THE NORTH CAROLINA RESIDENTIAL CODE.  
A. PER **R404.1.3**, TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.  
B. WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).  
C. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER **R405**.
- WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT SPACED A MAXIMUM OF 6'-0" o.c. (3'-0" FOR BASEMENT WALLS) AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MIN. (2) ANCHOR BOLTS PER SECTION.
- THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.
- CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDERS SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS.
- ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS.

**ABBREVIATIONS**

|       |                         |
|-------|-------------------------|
| CONC  | CONCRETE                |
| CONT  | CONTINUOUS              |
| DBL   | DOUBLE                  |
| DIAM  | DIAMETER                |
| DJ    | DOUBLE JOIST            |
| DSP   | DOUBLE STUD POCKET      |
| EA    | EACH                    |
| FL PT | FLAT PLATE              |
| FTG   | FOOTING                 |
| HGR   | HANGER                  |
| LVL   | LAMINATED VENEER LUMBER |
| MFTR  | MANUFACTURER            |
| NTS   | NOT TO SCALE            |
| OC    | ON CENTER               |
| PT    | PRESSURE TREATED        |
| RS    | RAFTER SUPPORT          |
| SC    | STUD COLUMN             |
| SP    | STUD POCKET             |
| TJ    | TRIPLE JOIST            |
| TYP   | TYPICAL                 |
| UNO   | UNLESS NOTED OTHERWISE  |
| XJ    | EXTRA JOIST             |

**MISC. / SPECIAL NOTES SECTION**



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| Checked By:  | RWB           |
| Date:        | 11-3-2020     |
| Revision No. | Revision Date |
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**Designer Signature**

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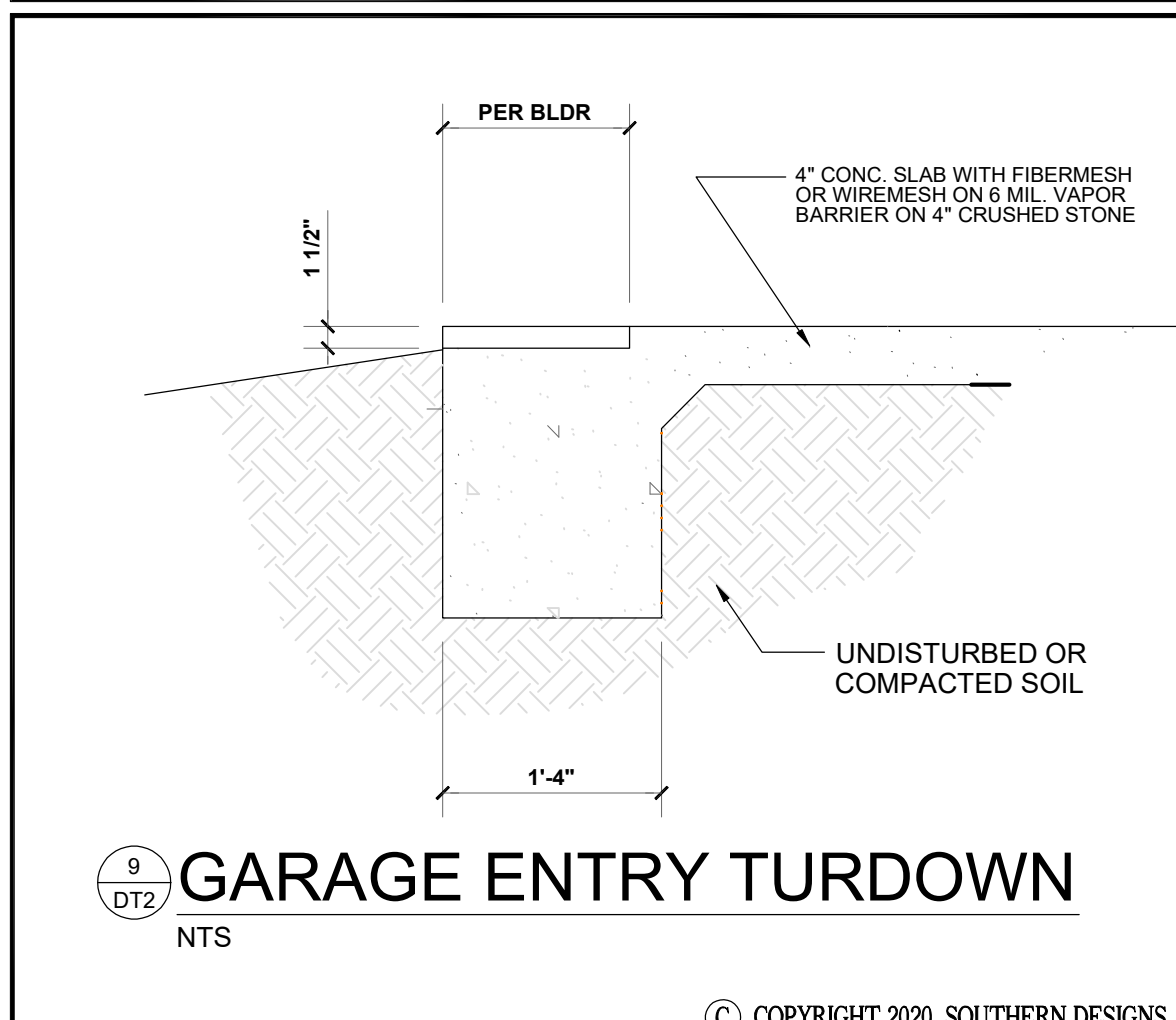
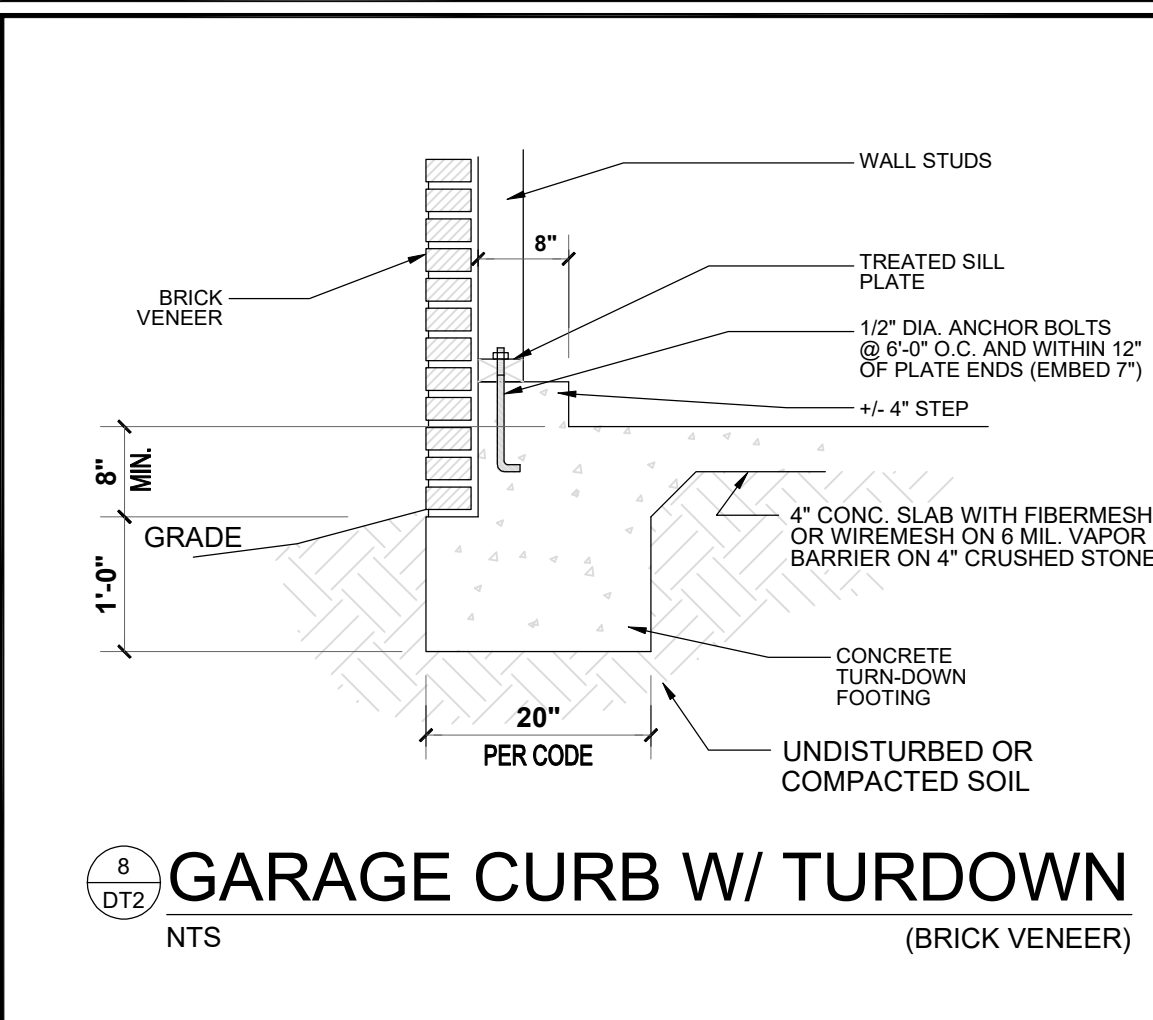
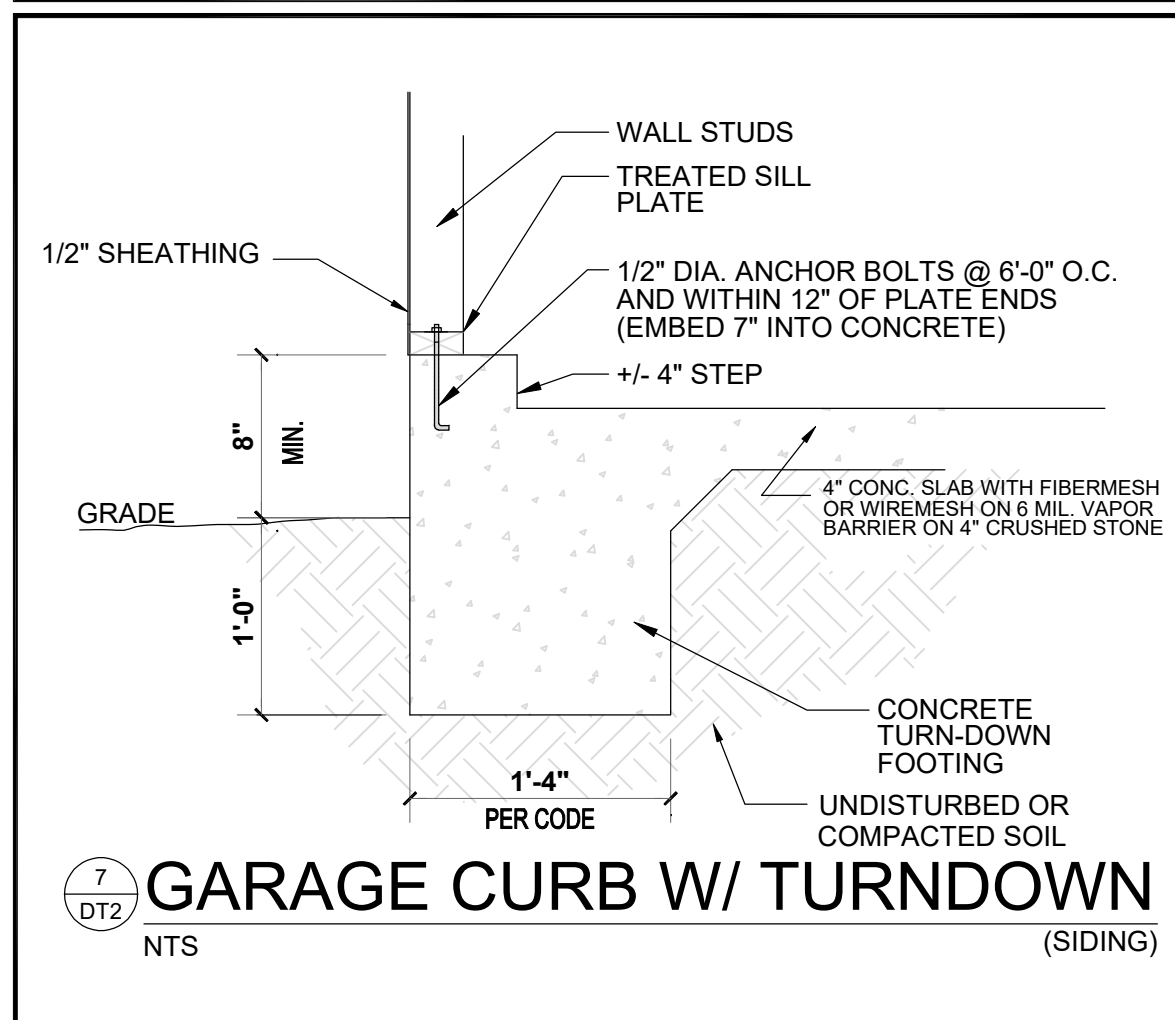
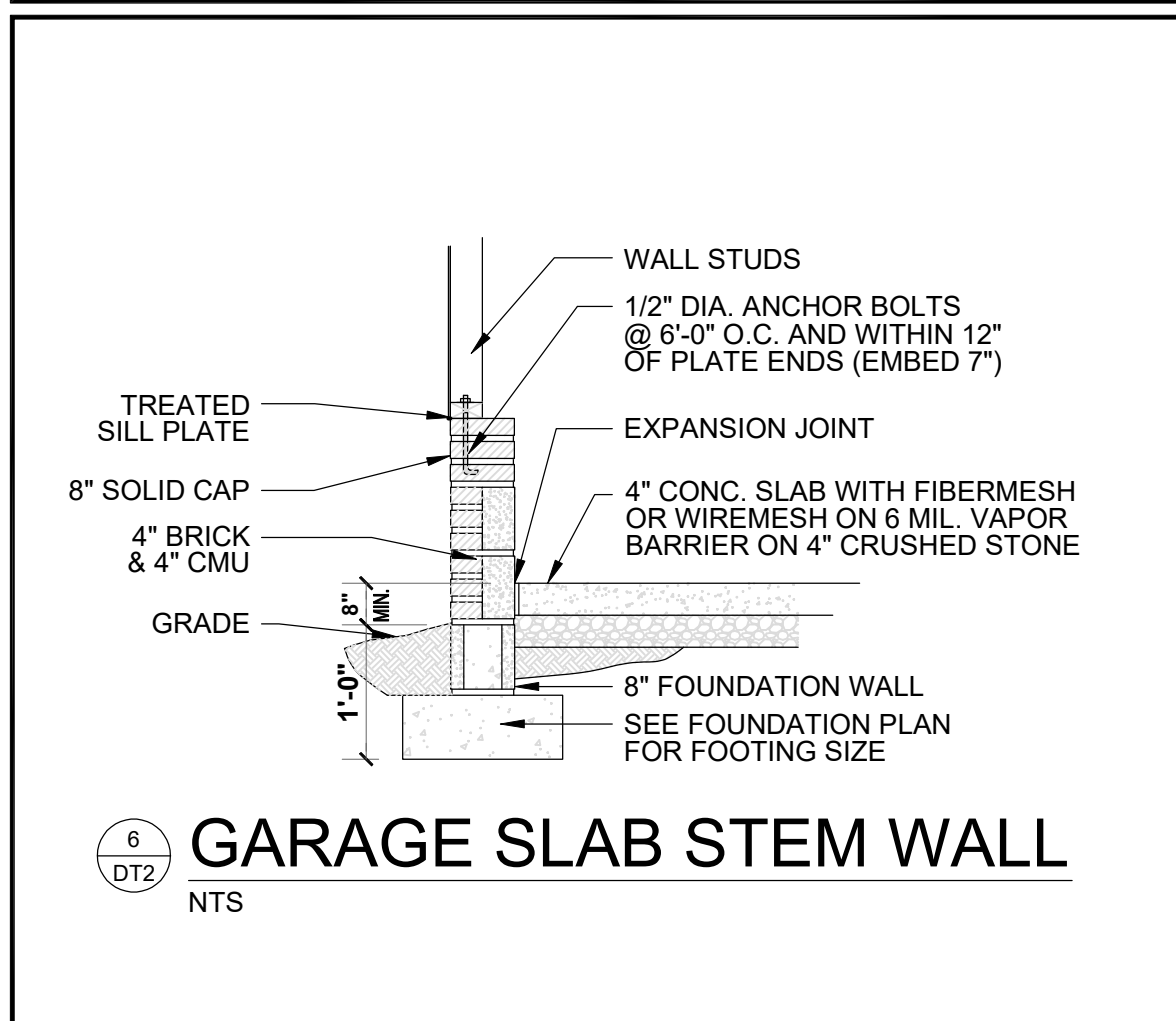
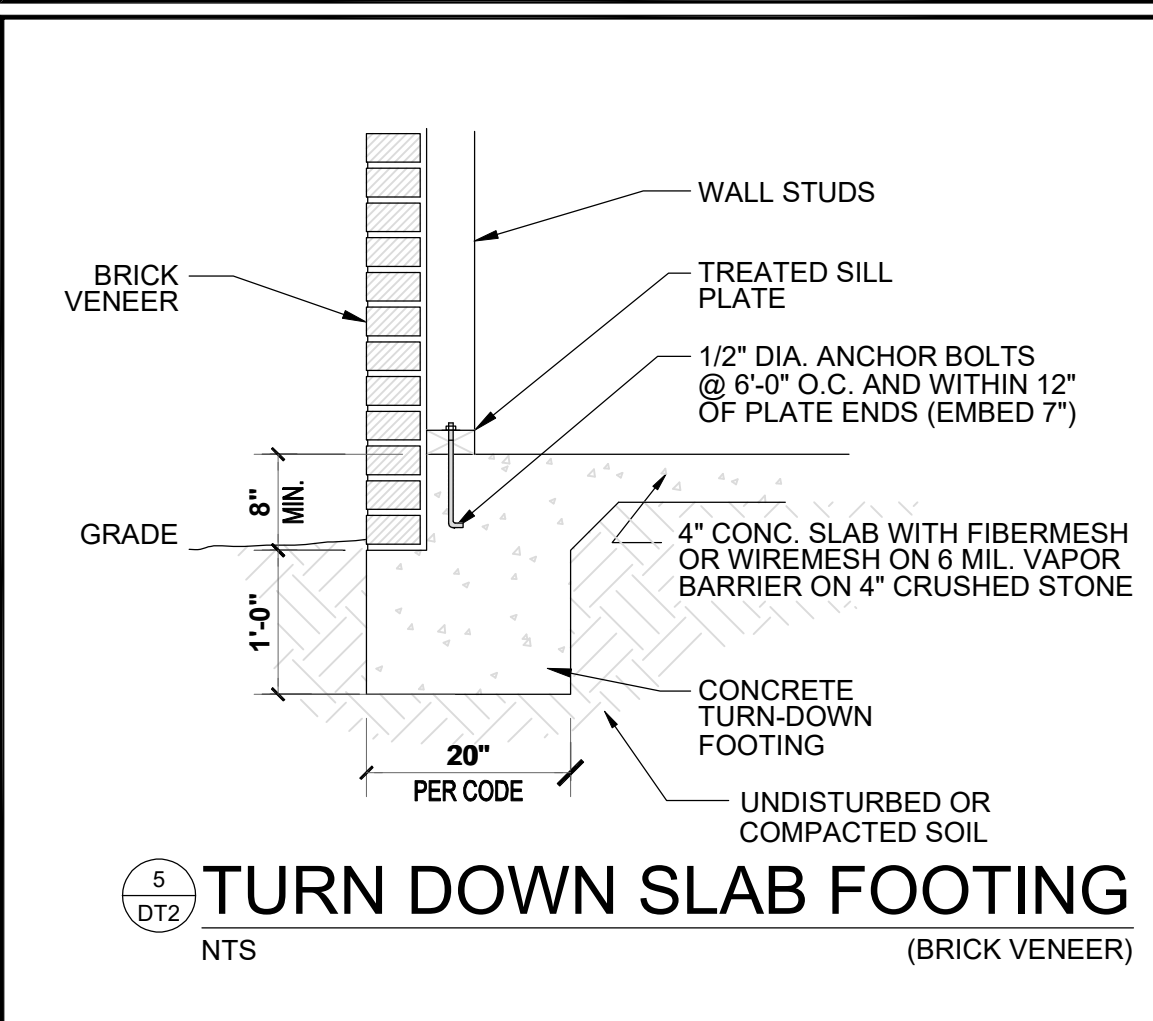
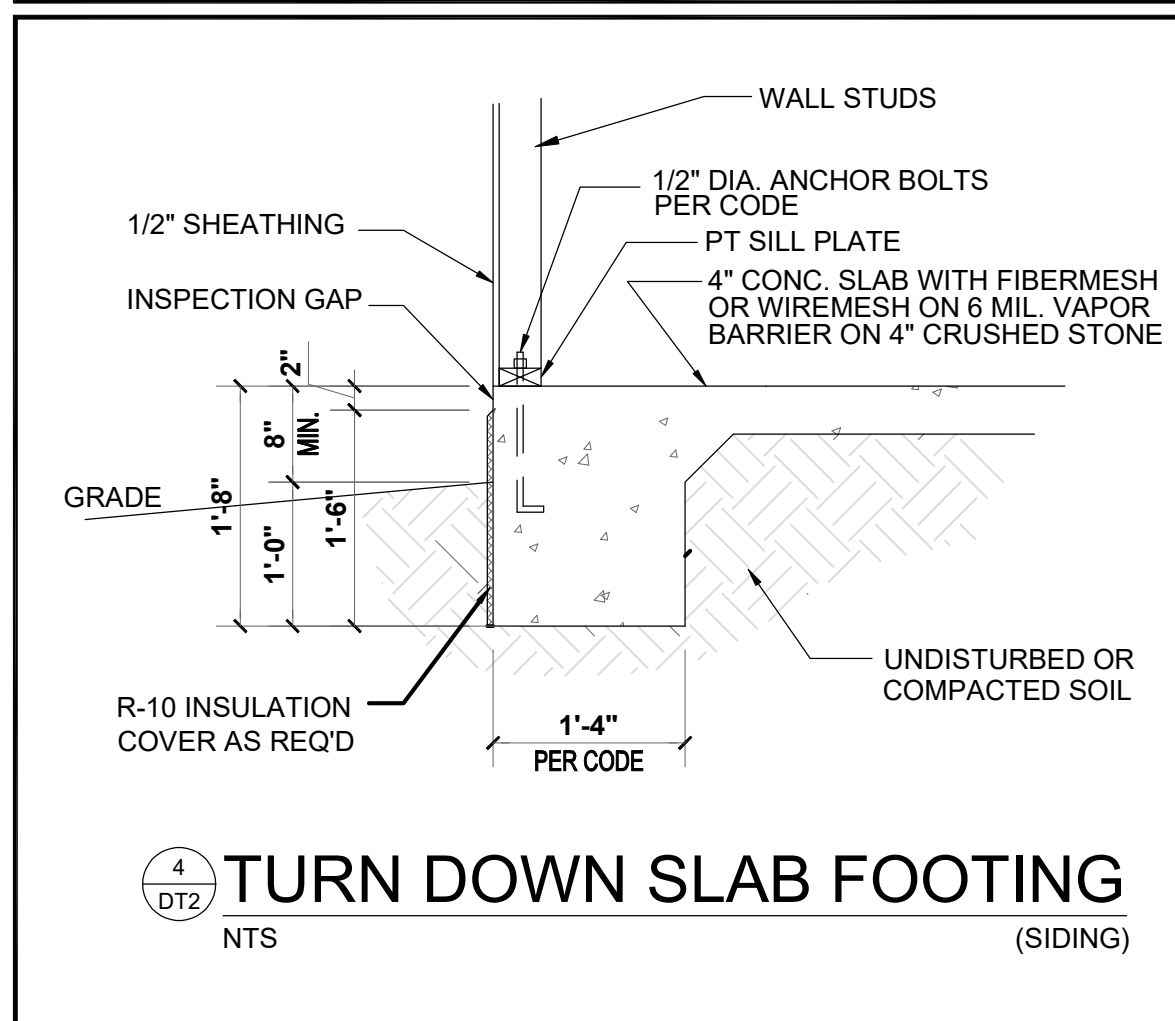
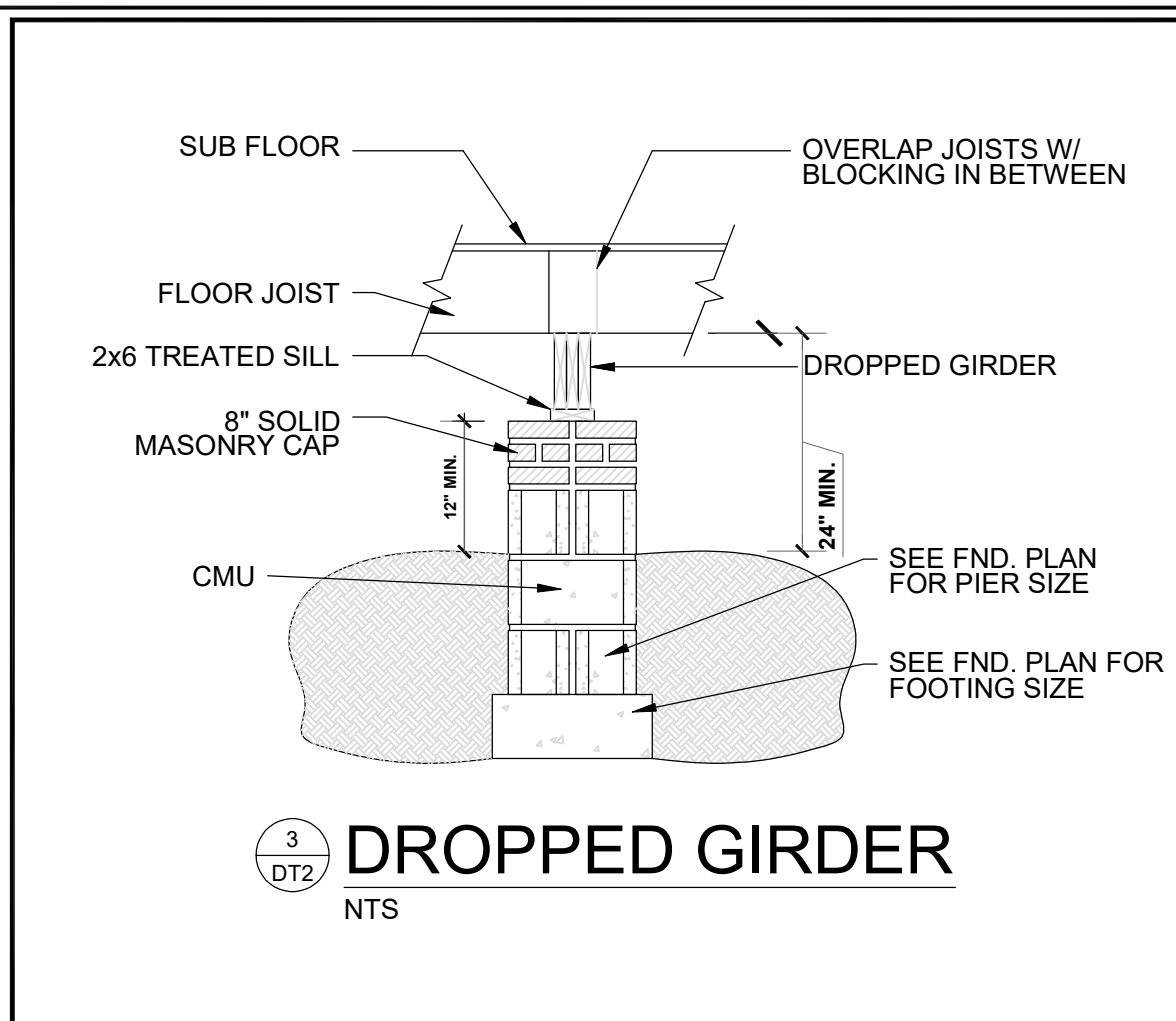
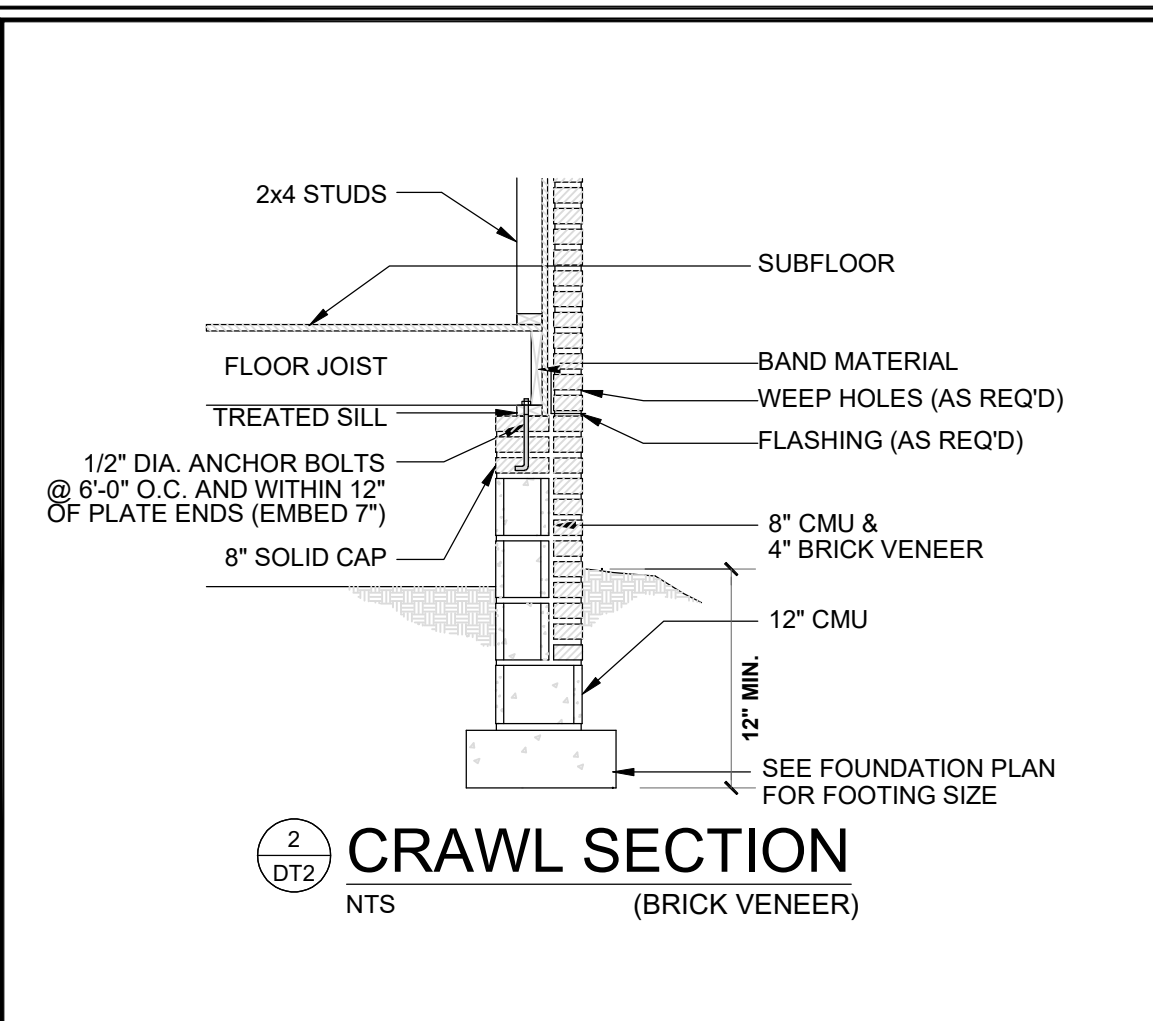
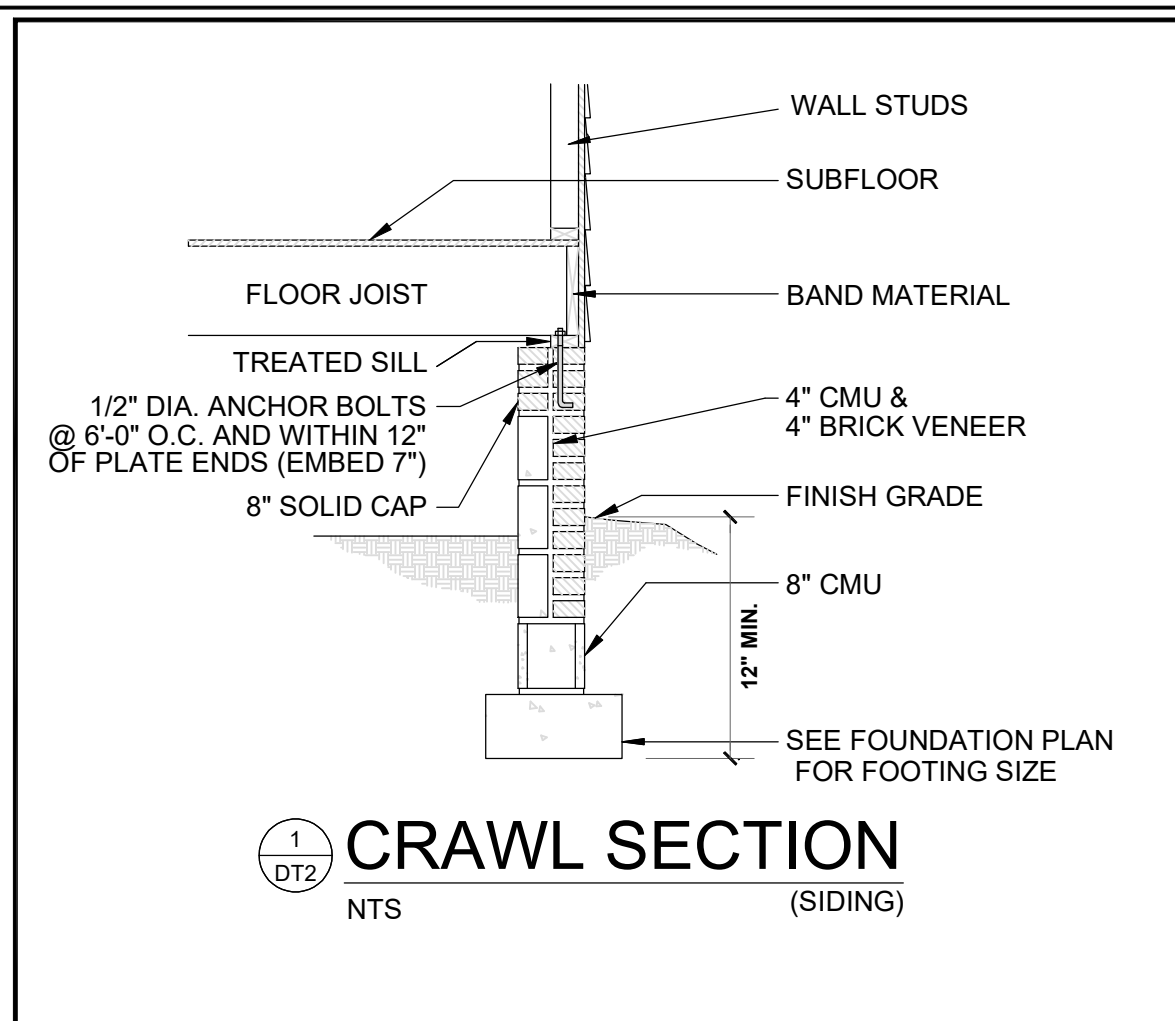
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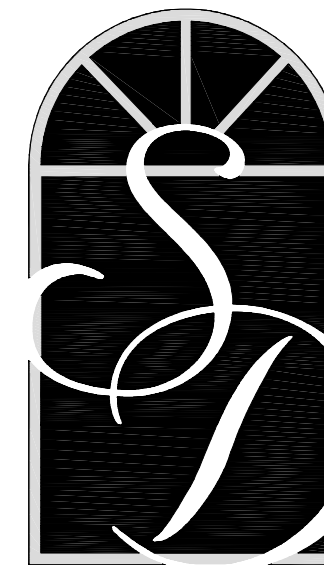
Client:  
**Triangle  
Building Properties**

Title:

Plan No.  
**"Anne"**  
Purfoy Place

Sheet No.      Of





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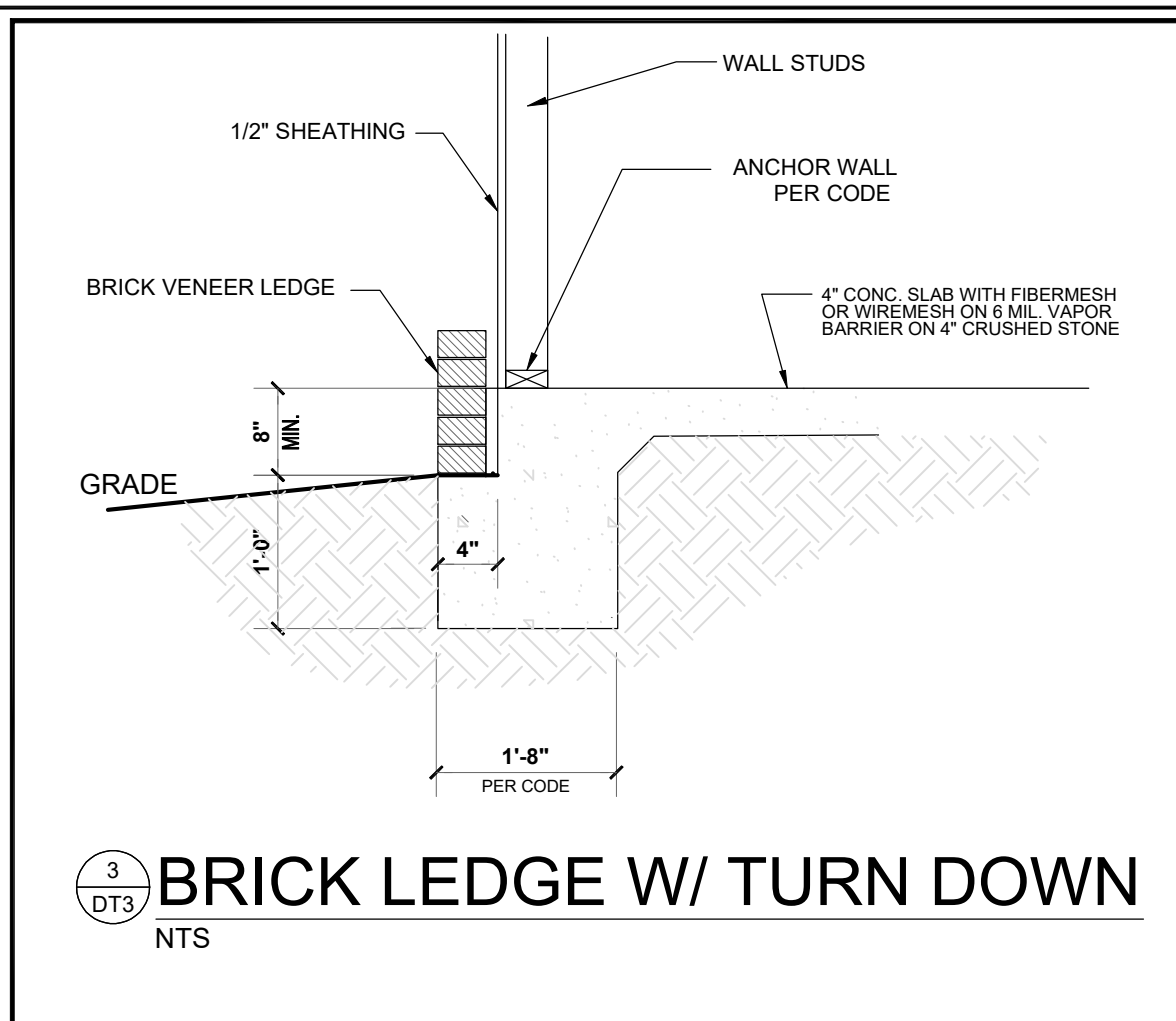
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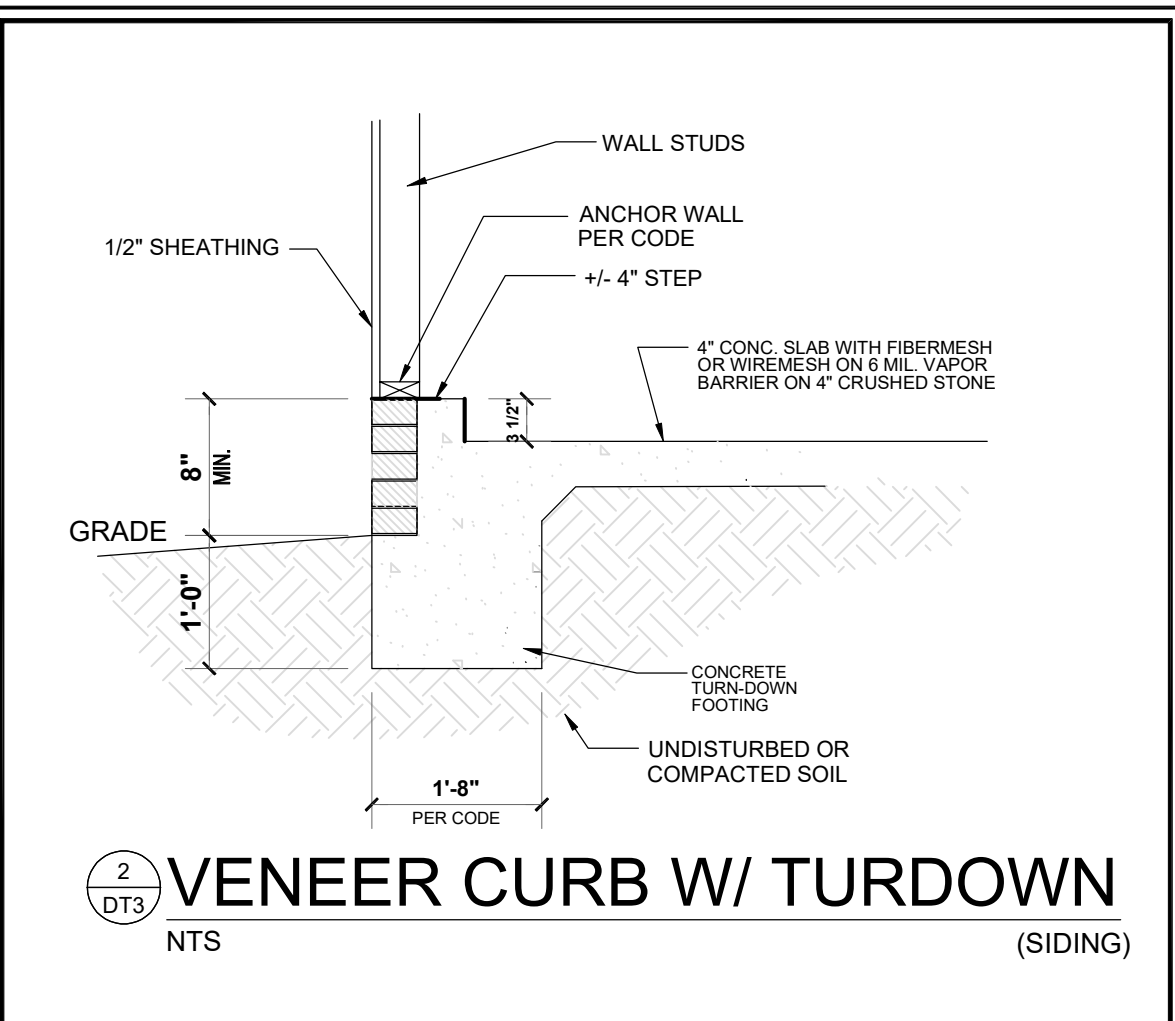
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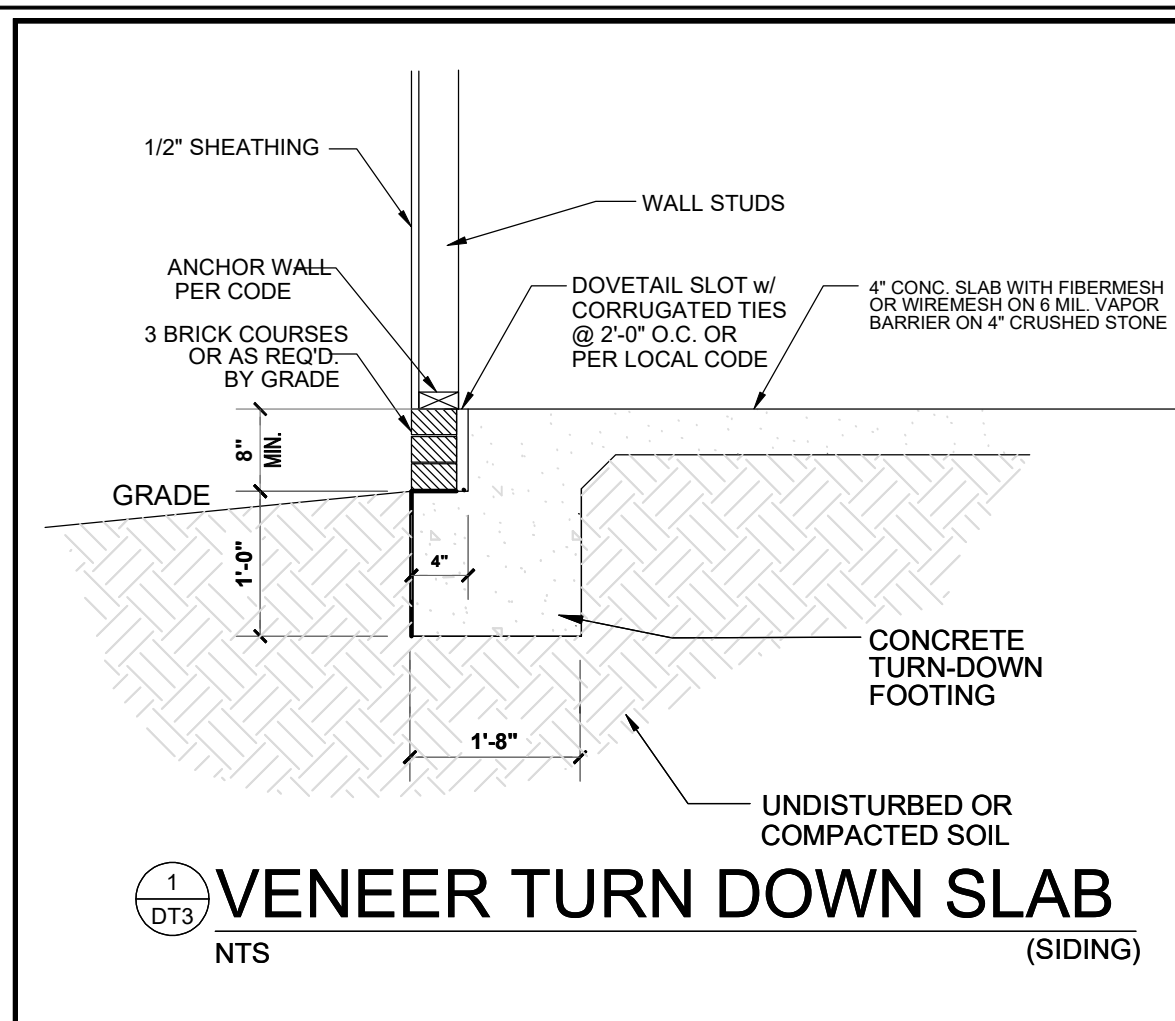
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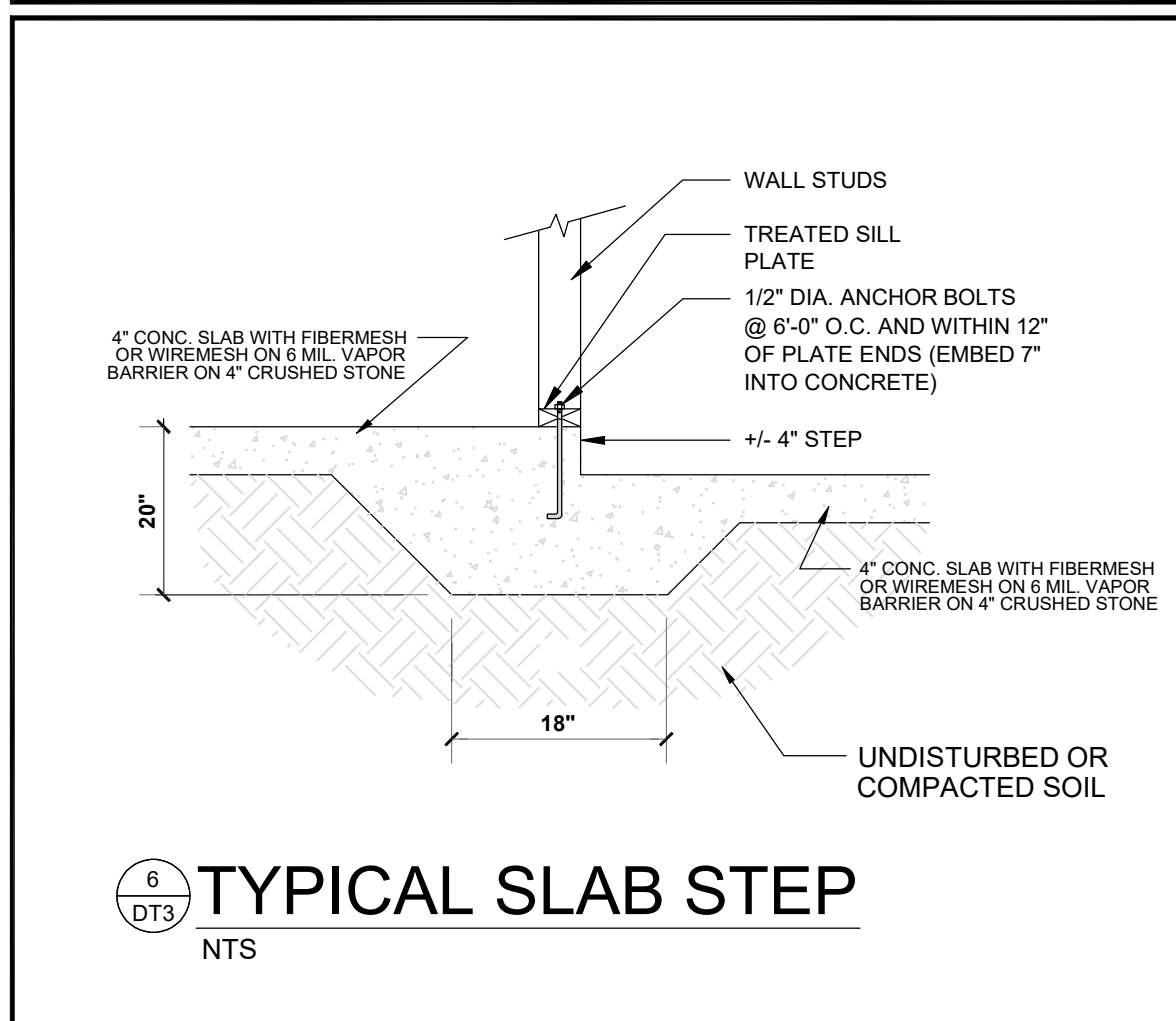
**3**  
DT3  
BRICK LEDGE W/ TURN DOWN  
NTS



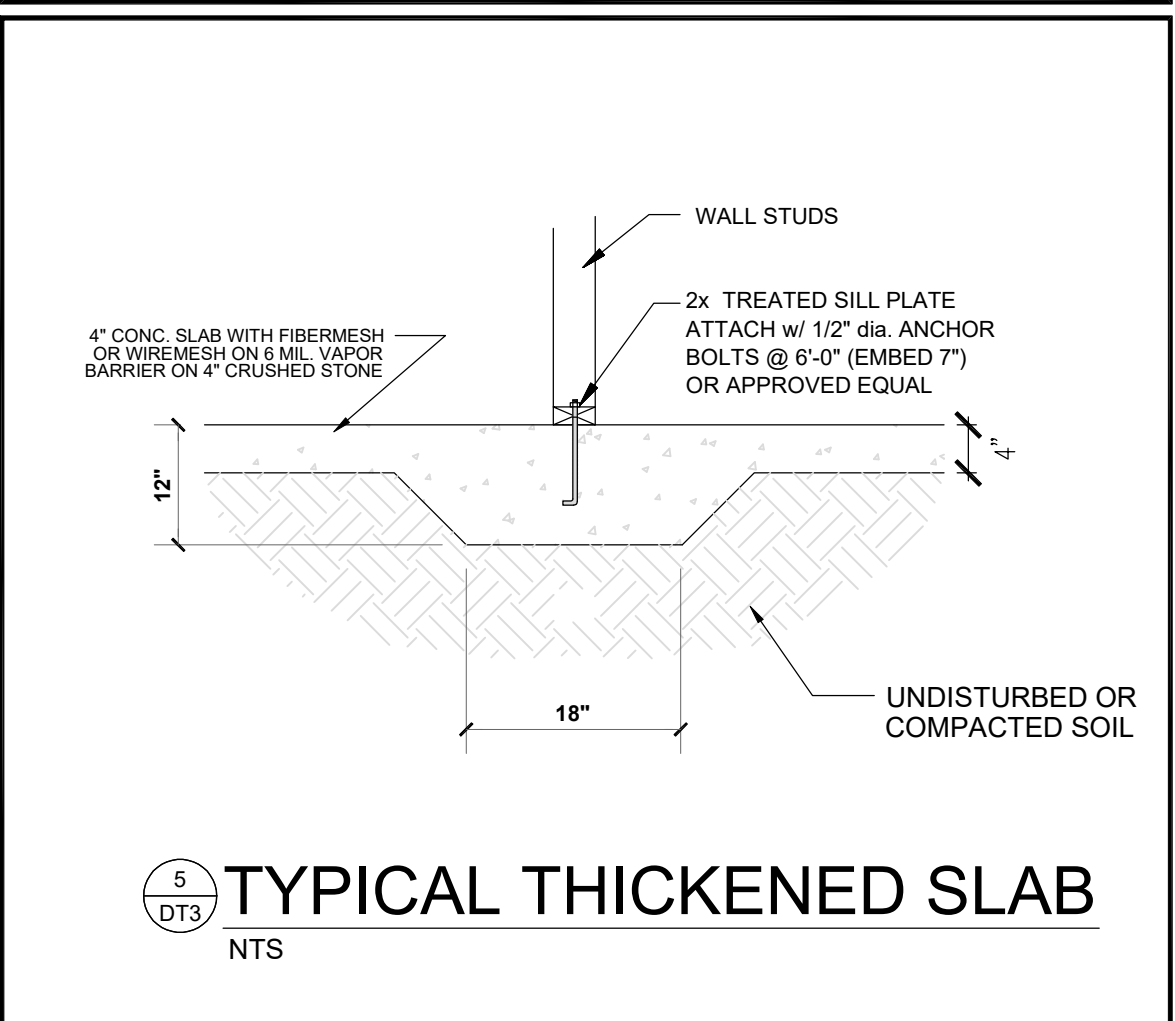
**2**  
DT3  
VENEER CURB W/ TURDOWN  
NTS



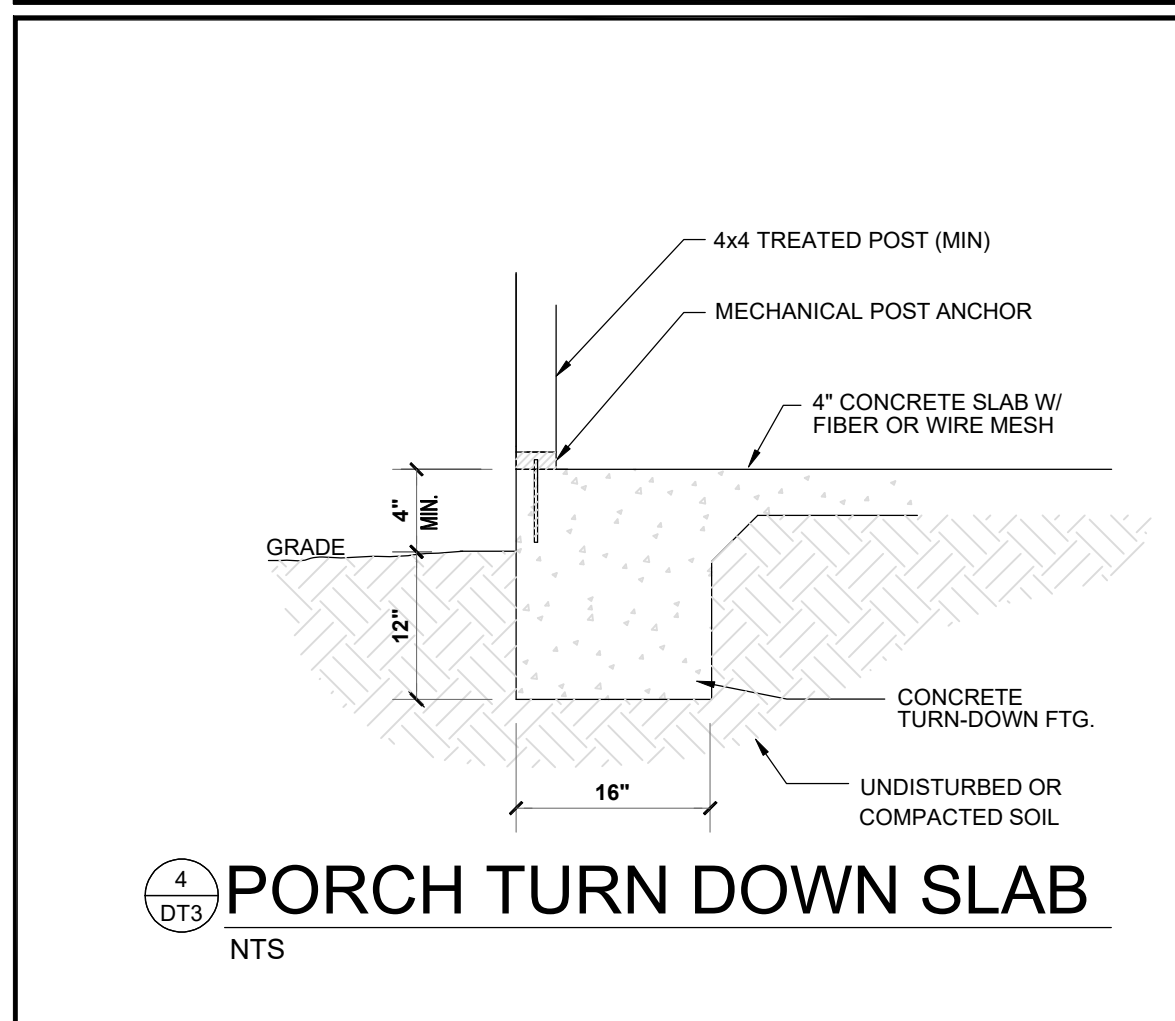
**1**  
DT3  
VENEER TURN DOWN SLAB  
NTS



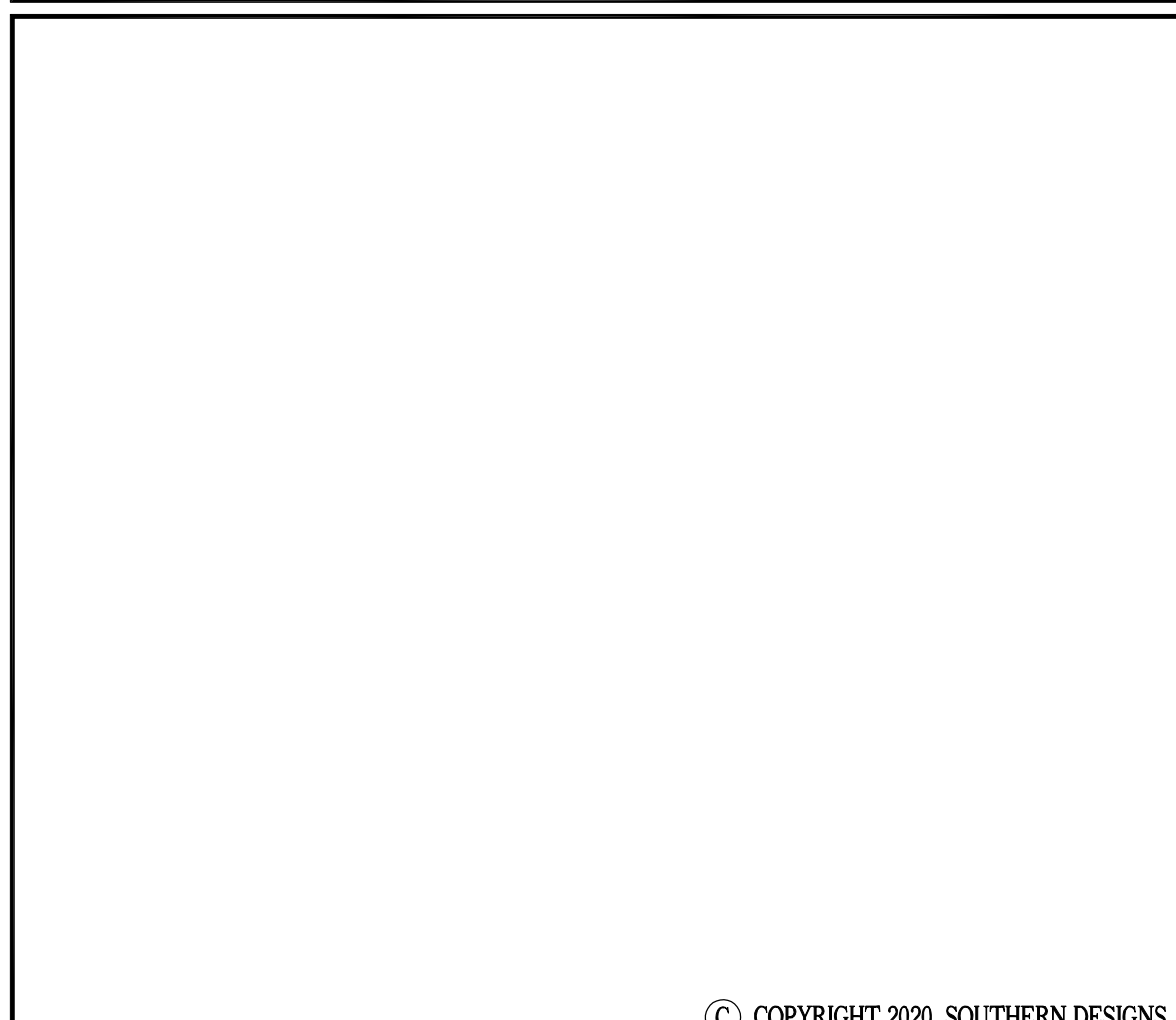
**6**  
DT3  
TYPICAL SLAB STEP  
NTS



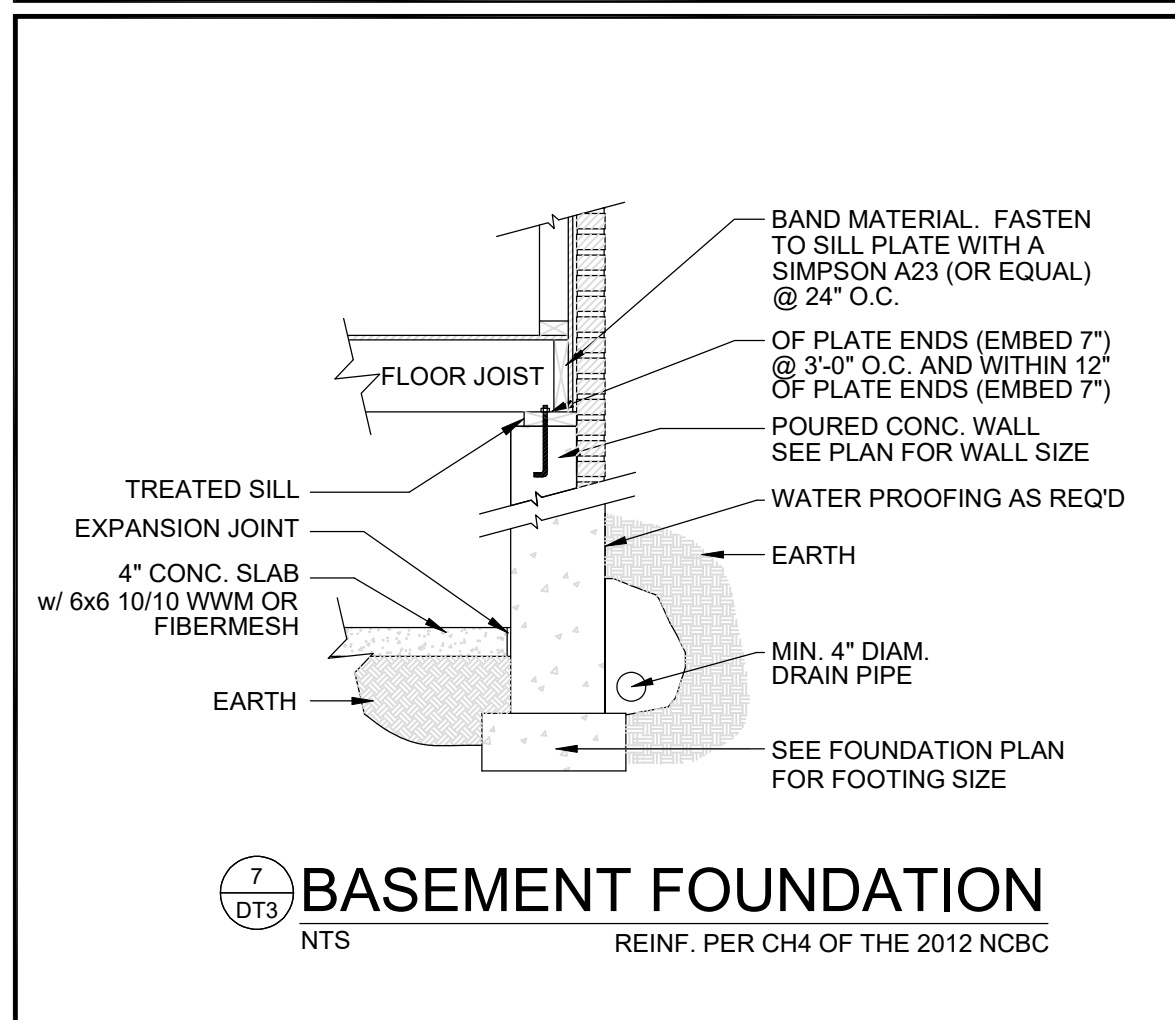
**5**  
DT3  
TYPICAL THICKENED SLAB  
NTS



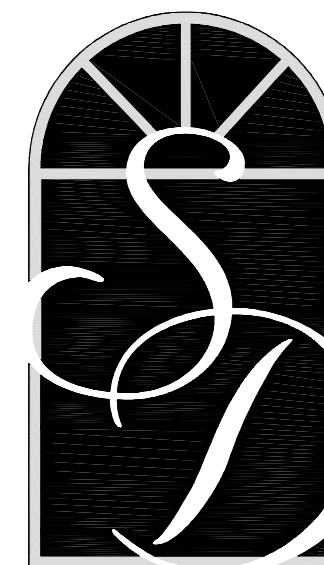
**4**  
DT3  
PORCH TURN DOWN SLAB  
NTS



**8**  
DT3  
BASEMENT FOUNDATION  
NTS



**7**  
DT3  
BASEMENT FOUNDATION  
NTS



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Checked By: RWB

Date: 11-3-2020

Revision No.      Revision Date

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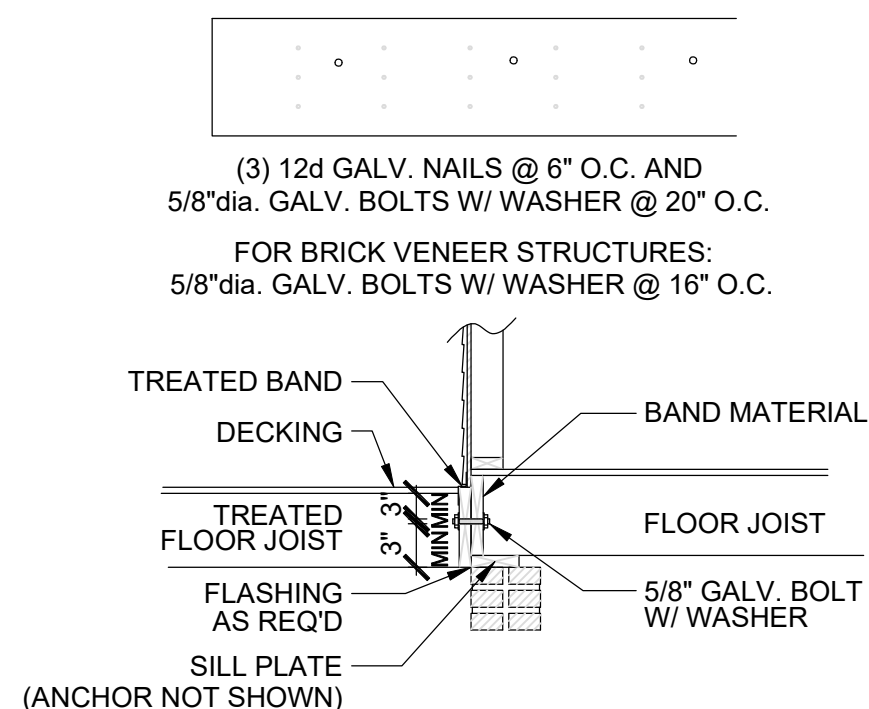
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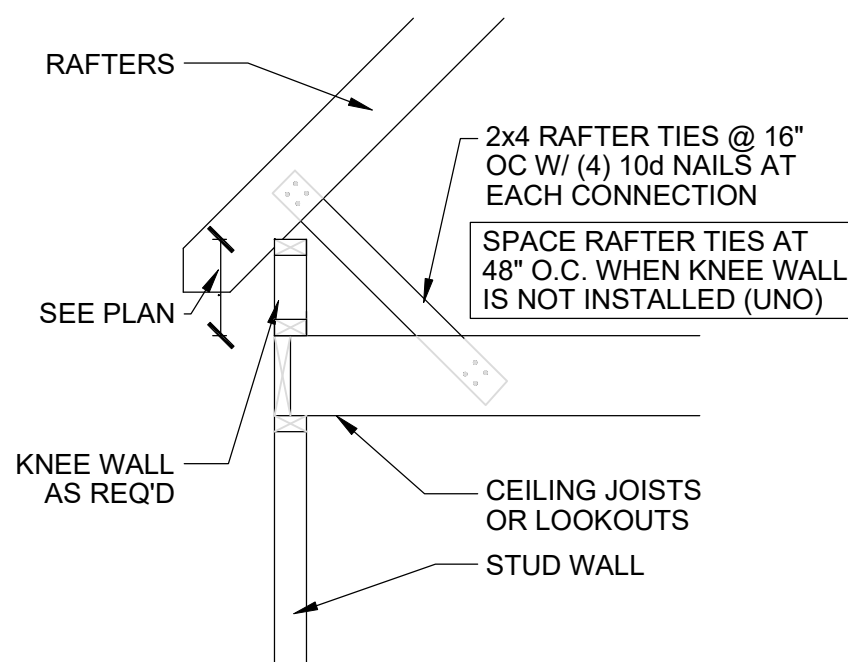
Sheet No.      Of



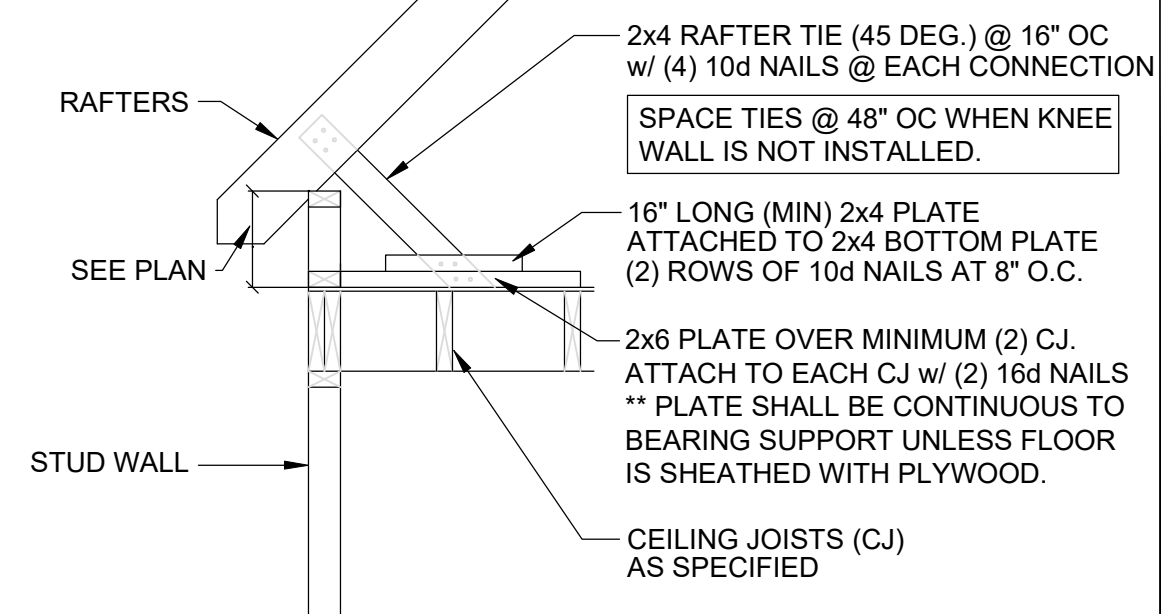
(3) 12d GALV. NAILS @ 6" O.C. AND  
5/8" dia. GALV. BOLTS W/ WASHER @ 20" O.C.

FOR BRICK VENEER STRUCTURES:  
5/8" dia. GALV. BOLTS W/ WASHER @ 16" O.C.

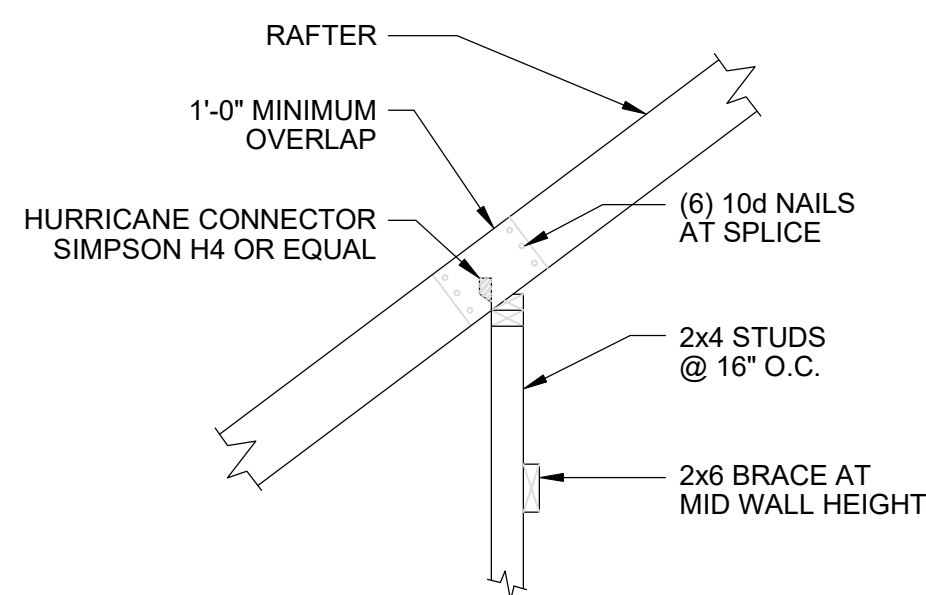
**1**  
DT4  
**DECK ATTACHMENT DETAIL**  
NTS



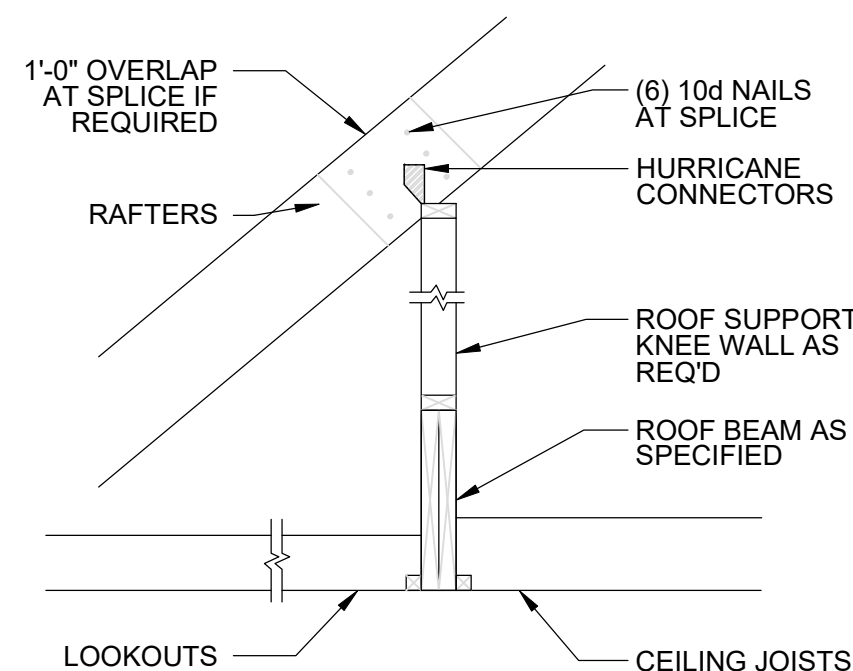
**2**  
DT4  
**RAFTER TIE DOWN (TYP)**  
NTS



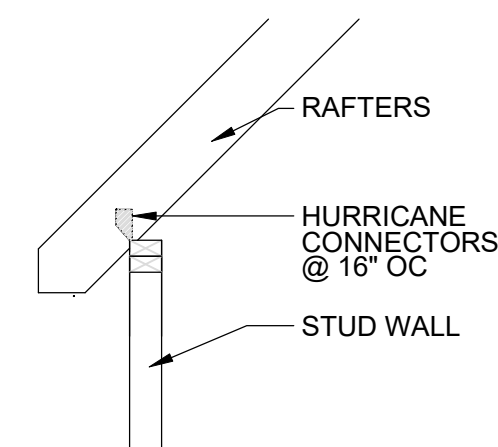
**3**  
DT4  
**RAFTER TIE DOWN (TYP)**  
NTS  
(RAFTERS PERPENDICULAR TO JOISTS)



**4**  
DT4  
**RAFTER SPLICE - ATTIC K.W.**  
NTS



**5**  
DT4  
**ROOF BEAM**  
NTS



**6**  
DT4  
**RAFTER TIE @ VAULT**  
NTS



