

# SMITH GARAGE



1/4" = 1'-0"

# **RIGHT ELEVATION**

1/4" = 1'-0"

PROJECT # DRB2301-0387 DATE 10/27/2023 DRAWN/DESIGNED BY NW CHECKED BY DRB **SCALE** 1/4" = 1'-0" sign www. drbhomede .com SEE ROOF SHINGLES -PLAN ROOFING FELT RAFTER TIE BACK SHEATHING AS REQUIRED 12 **RAFTERS - SIZE** AS REQUIRED SEE INSULATION ROOF PLAN AS REQUIRED GARAGE CLG JOISTS - SIZE AS REQUIRED SHEATHING 1X FASCIA MIN. 1/2" MITH REVEAL ADJUST RAFTER END TAIL LENGTH AS 1/2" SOFFIT NEEDED IF CONT. VENT USING 2X 2X4 LOOKOUT LUMBER 1X4 FRIEZE BOARD 5 UNDERNEATH FASCIA BOARD HORIZONTAL SIDING A-7 CORNICE DETAIL NTS DRB DESIGN assumes no liability for any home constructed from this plan. All construction shall conform to the latest requirements of "North Carolina State 2018 residential building code", in addition to all local codes and regulations. 3. Should these plans require structural calculations for permitting the contractor shall be required to obtain the

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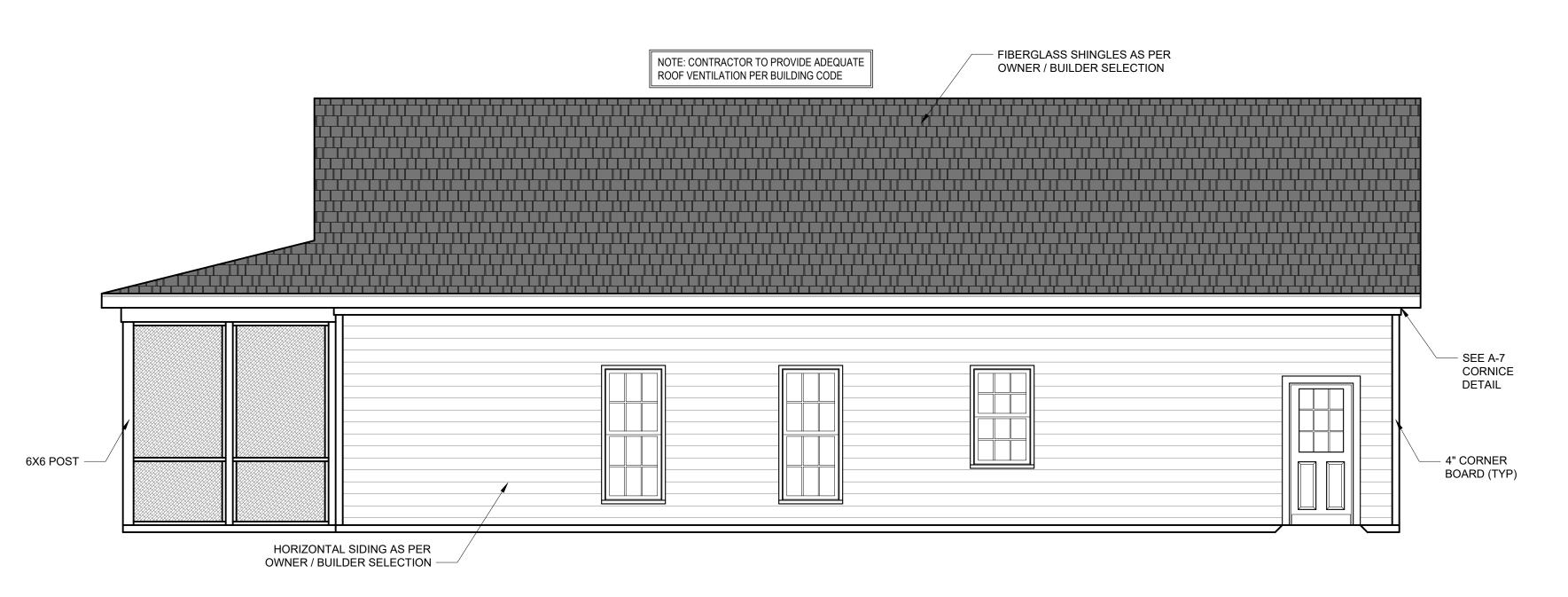
ELEVATIONS

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- services of a structural engineer after notifying DRB DESIGN that such services are required.
- 4. Release of these plans requires further cooperation among the owner, his/her contractor, and DRB DESIGN. 5. Design and construction are complex and, although the designer performed his services with due care and diligence, perfection is not a guarantee.
- Communication is imperfect and every contingency cannot be anticipated.
- 7. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs. 8. A failure to cooperate by a simple notice to DRB DESIGN shall relieve the designer from any and all
- responsibilities for all consequences. 9. Changes made to these plans without the consent of the designer are unauthorized and shall relieve DRB
- DESIGN of responsibility for any and all consequences arriving out of such changes. 10. Written dimensions on these plans always have precedence over scaled dimensions.
- 11. It is the contractors responsibility to verify and be responsible for all dimensions and square footage prior to construction, as well as conditions on the job site. DRB DESIGN is not responsible for dimension and square footage errors once construction has begun.
- 12. DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.





# SMITH GARAGE



LEFT ELEVATION

1/4" = 1'-0"

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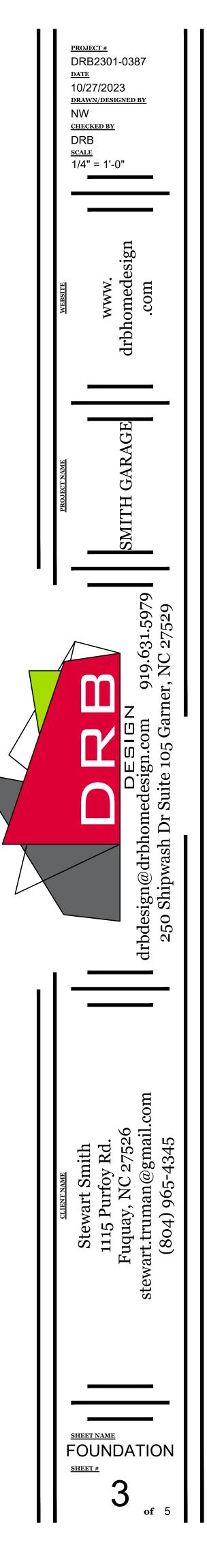
38'-0" 15'-0" 19'-0" 4'-0" بدر تأثير بين ريشي بينه بينه بهنه مشرق بندريها البلة الجد أبيب النب يبدأ بتد يهيد هيد هي 4" CONC. SLAB w/ 6x6 WI.4xWI.4 WWF or FIBERMESH 4" CONC. SLAB w/ 6x6 WI.4xWI.4 WWF or FIBERMESH OVER 6 MIL VAPOR BARRIER OVER COMPACTED OVER 6 MIL VAPOR BARRIER OVER COMPACTED FILL or FIRM RESIDUAL SLOPE FOR DRAINAGE. FILL or FIRM RESIDUAL SLOPE FOR DRAINAGE. 6'-9" \_\_\_\_ 4 4 4. 14. 4 4 4 4 4 4" CONC. SLAB w/ 6x6 WI.4xWI.4 WWF or FIBERMESH OVER 6 MIL VAPOR BARRIER OVER COMPACTED FILL or FIRM RESIDUAL. 4. 44 4. 4. \_\_\_\_\_\_ \_ \_\_ 4\_ \_\_ 4\_ \_\_ \_\_ -44 3 | j 14'-0" 3'-0" 1'-6" 3'-0" 1'-6" 6'-0" 6'-0" 13'-4" 8'-8" 4 4 4" CONC. SLAB w/ 6x6 WI.4xWI.4 WWF or FIBERMESH OVER 6 MIL VAPOR BARRIER OVER COMPACTED FILL or FIRM RESIDUAL SLOPE FOR DRAINAGE. \_\_\_\_\_ 6" CURB 6" CURB 6" CURB 2'-8 1/2" 16'-3" 3'-1" 9'-3" 2'-8 1/2" 34'-0" 4'-0" 38'-0"

+

2'-2

FOUNDATION PLAN

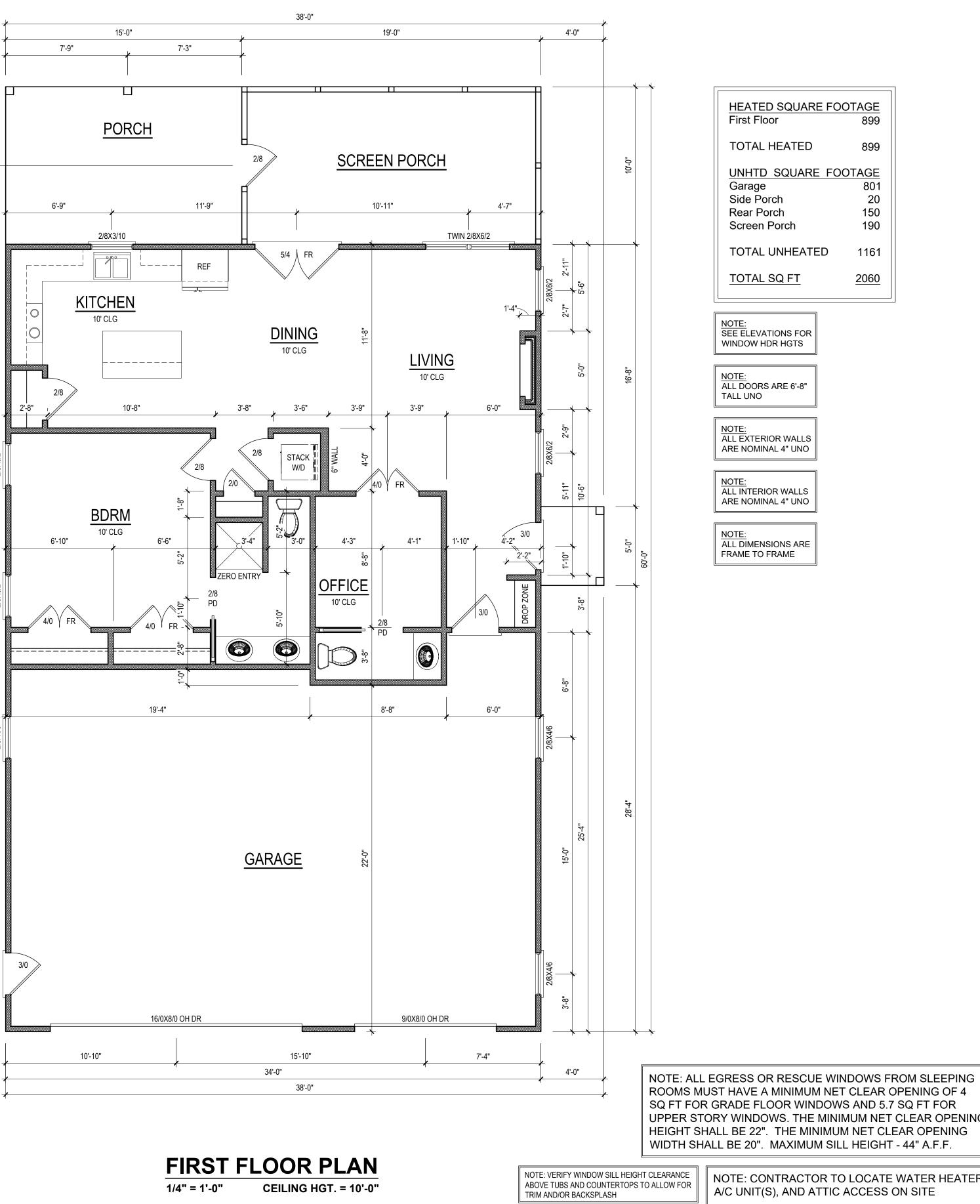
NOTE: SEE STRUCTURAL PLANS FOR ENGINEERING INFORMATION



DRB DESIGN assumes no liability for any home constructed from this plan. All construction shall conform to the latest requirements of "North Carolina State 2018 residential building code", in addition to all local codes and regulations.

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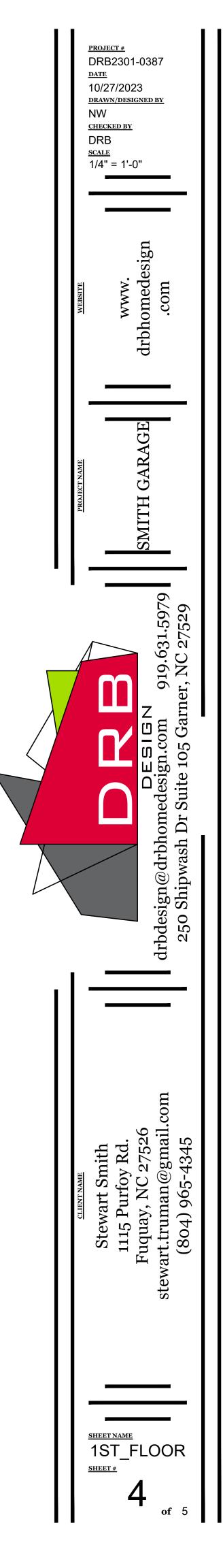
++4 i, 12'-8" 8'-4" 2'-0" 23'-0" 5'-0" \* \* \* \*



| QUARE FC    | 0 <u>0TAGE</u><br>899             |
|-------------|-----------------------------------|
| ATED        | 899                               |
| QUARE FC    | 0OTAGE<br>801<br>20<br>150<br>190 |
| HEATED      | 1161                              |
| <u>! FT</u> | <u>2060</u>                       |
|             |                                   |

ROOMS MUST HAVE A MINIMUM NET CLEAR OPENING OF 4 SQ FT FOR GRADE FLOOR WINDOWS AND 5.7 SQ FT FOR UPPER STORY WINDOWS. THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 22". THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20". MAXIMUM SILL HEIGHT - 44" A.F.F.

> NOTE: CONTRACTOR TO LOCATE WATER HEATER, A/C UNIT(S), AND ATTIC ACCESS ON SITE

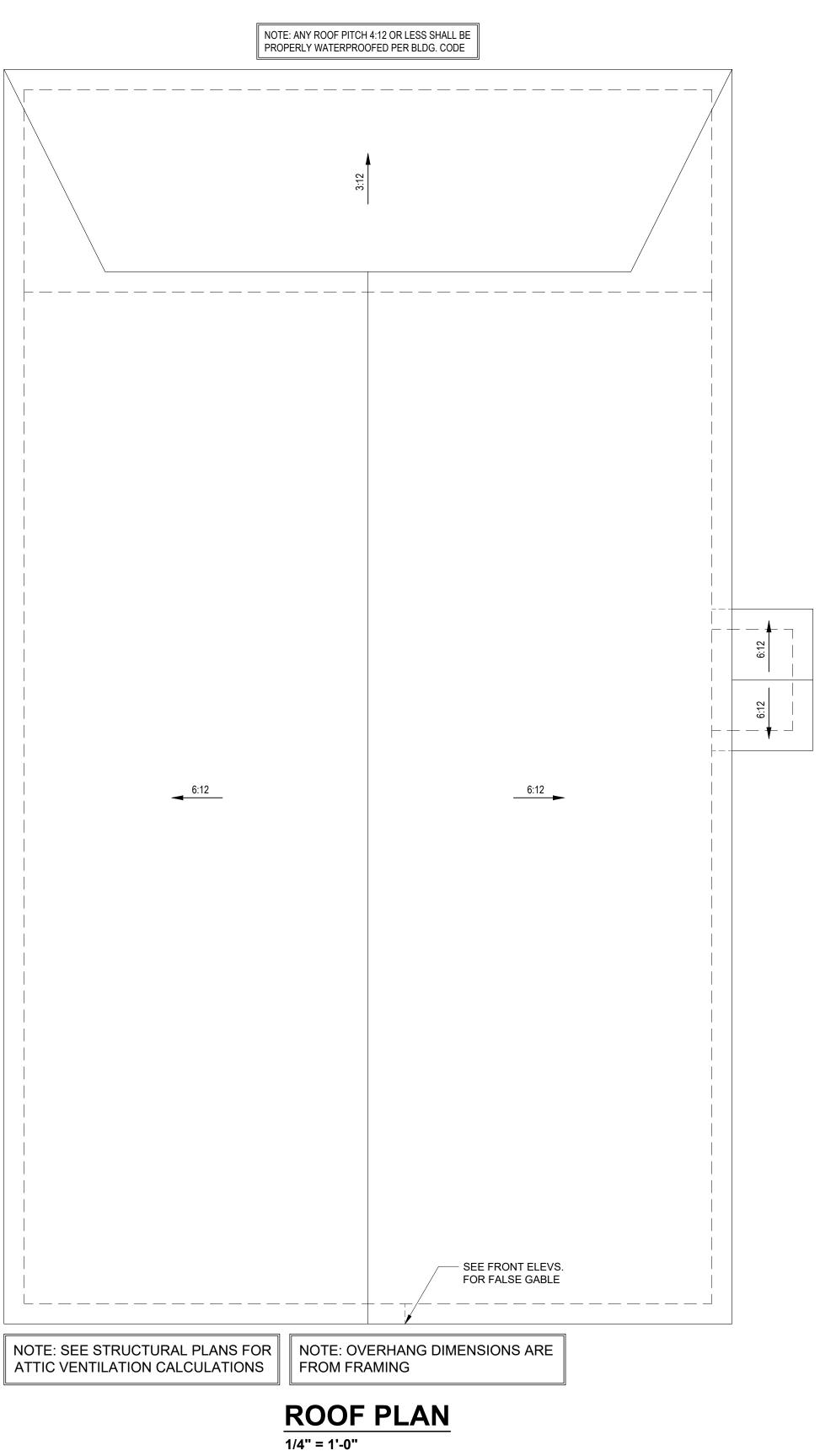


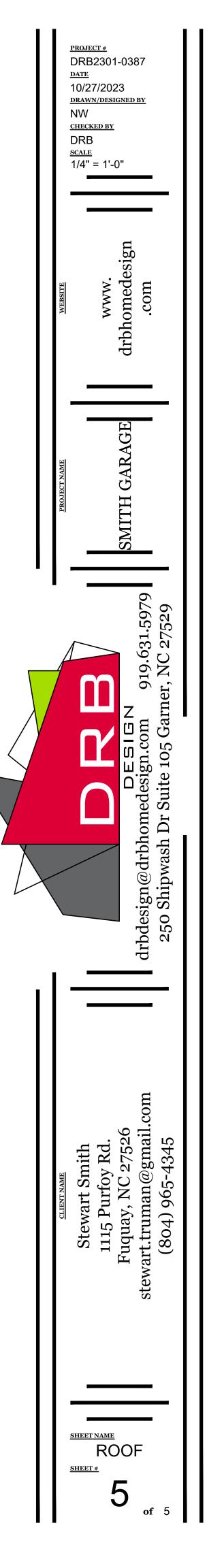
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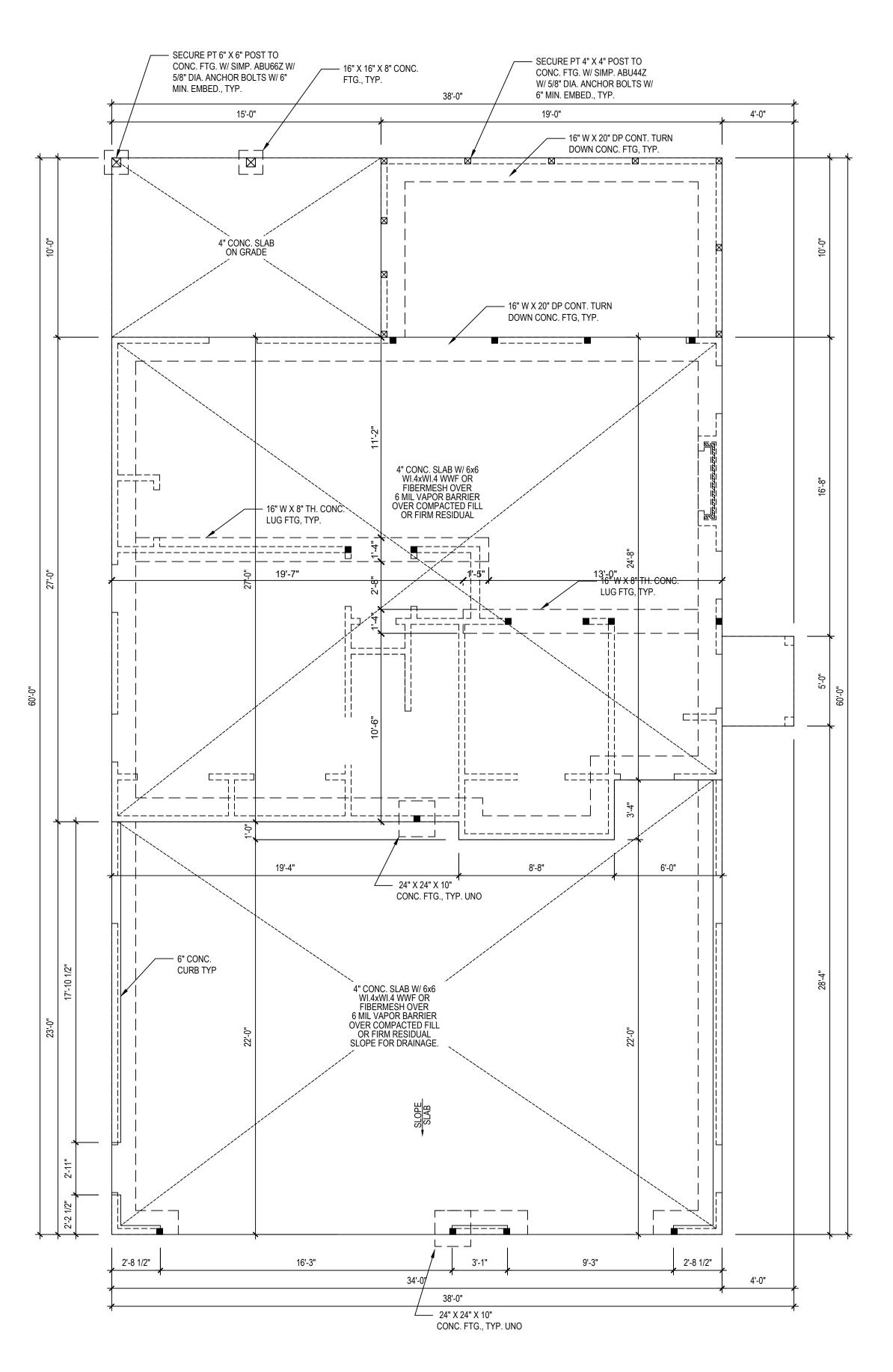
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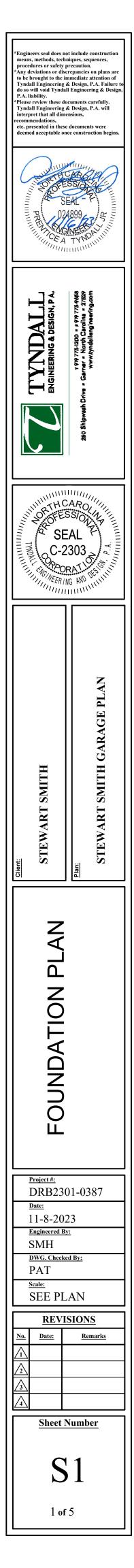


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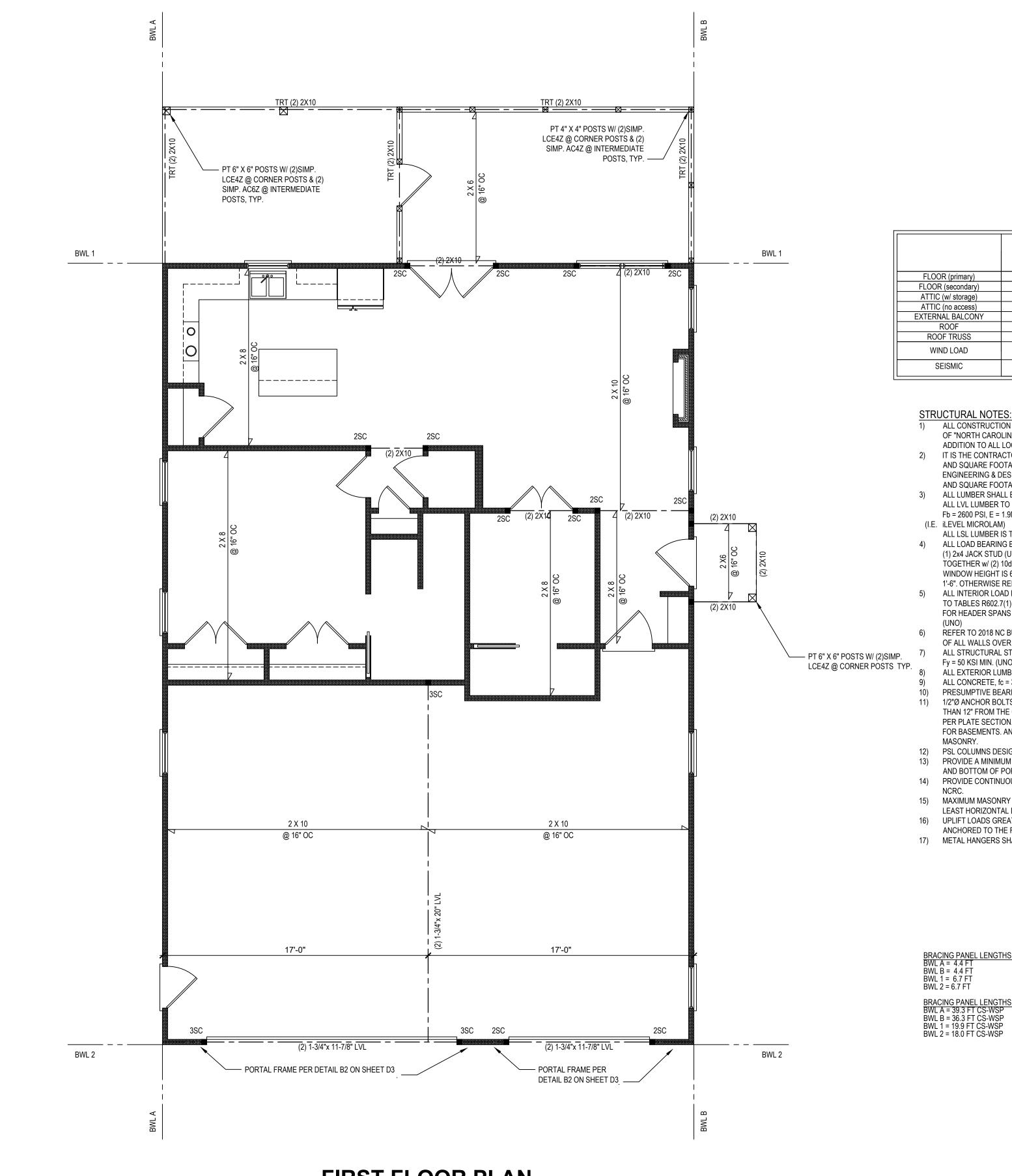




1/4" = 1'-0"



SMITH\_E.DWG SAVED BT: 3E 



# FIRST FLOOR PLAN

CEILING HGT. = 10'-0" 1/4" = 1'-0"

# DESIGN LOADS

|          | LIVE LOAD<br>(PSF)              | DEAD LOAD<br>(PSF) | DEFLECTION |       |  |  |
|----------|---------------------------------|--------------------|------------|-------|--|--|
|          |                                 | (1 01 )            | LL         | TL    |  |  |
| orimary) | 40                              | 10                 | L/360      | L/240 |  |  |
| condary) | 40                              | 10                 | L/360      | L/240 |  |  |
| storage) | 20                              | 10                 | L/240      | L/180 |  |  |
| access)  | 10                              | 5                  | L/240      | L/180 |  |  |
| BALCONY  | 40                              | 10                 | L/360      | L/240 |  |  |
| )F       | 20                              | 10                 | L/240      | L/180 |  |  |
| RUSS     | 20                              | 20                 | L/240      | L/180 |  |  |
| OAD      | BASED ON 120 MPH (EXPOSURE B)   |                    |            |       |  |  |
| ЛIС      | BASED ON SEISMIC ZONES A, B & C |                    |            |       |  |  |
|          |                                 |                    |            |       |  |  |

ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF "NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE", IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.

2) IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQUARE FOOTAGE PRIOR TO CONSTRUCTION. TYNDALL ENGINEERING & DESIGN, PA IS NOT RESPONSIBLE FOR DIMENSIONS

AND SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS. 3) ALL LUMBER SHALL BE SYP #2 (UNO) ALL LVL LUMBER TO BE 1.75" WIDE NOMINAL EACH SINGLE MEMBER AND

Fb = 2600 PSI, E = 1.9M PSI

ALL LSL LUMBER IS TO BE 1.55E (Fb = 2325 PSI)

4) ALL LOAD BEARING EXTERIOR WINDOW HEADERS ARE TO BE (2) 2x10 w/ (1) 2x4 JACK STUD (U.N.O.) AND KING STUDS PER TABLE R602.7.5, AND TOGETHER w/ (2) 10d NAILS @ 8" O.C., PROVIDED THAT THE TOP OF THE WINDOW HEIGHT IS 6'-8", MINIMUM BOTTOM OF THE WINDOW HEIGHT IS 1'-6". OTHERWISE REFER TO TABLES R602.7(1) AND R602.7(2). ALL INTERIOR LOAD BEARING HEADERS TO BE (2) 2x10 (U.N.O.) REFER TO TABLES R602.7(1) AND R602.7(2) FOR JACK STUD REQUIREMENTS FOR HEADER SPANS FOR INTERIOR AND EXTERIOR LOAD CONDITIONS

6) REFER TO 2018 NC BUILDING CODE SECTION R602 FOR CONSTRUCTION OF ALL WALLS OVER 10'-0" IN HEIGHT. ALL STRUCTURAL STEEL SHALL BE ASTM A992 GRADE 50

Fy = 50 KSI MIN. (UNO)

ALL EXTERIOR LUMBER TO BE #2 SYP PT ALL CONCRETE, fc = 3000 PSI MIN.

PRESUMPTIVE BEARING CAPACITY = 2000 PSF

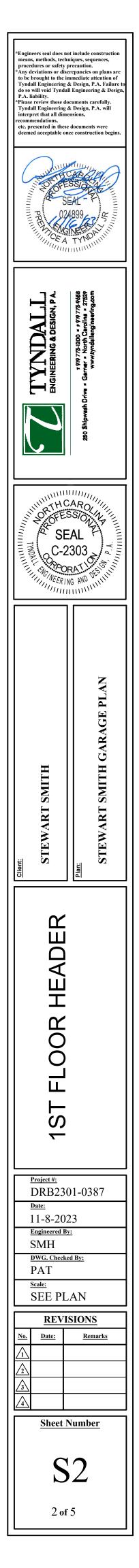
11) 1/2"Ø ANCHOR BOLTS SPACED AT MAXIMUM OF 6'-0" O.C. AND NOT MORE THAN 12" FROM THE CORNER. THERE SHALL BE A MINIMUM OF (2) BOLTS PER PLATE SECTION. ANCHOR BOLTS SHALL BE SPACED AT 3'-0" O.C. FOR BASEMENTS. ANCHOR BOLT SHALL EXTEND 7" INTO CONCRETE OR

12) PSL COLUMNS DESIGNED WITH MAX. HEIGHT OF 9'-0" (UNO) 13) PROVIDE A MINIMUM OF 500# UPLIFT & LATERAL CONNECTION AT TOP AND BOTTOM OF PORCH COLUMNS. (U.N.O.)

14) PROVIDE CONTINUOUS SHEATHING PER SECTION 602.10.3 OF THE 2018 15) MAXIMUM MASONRY PIER HEIGHT SHALL NOT EXCEED FOUR TIMES ITS

LEAST HORIZONTAL DIMENSION. 16) UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY ANCHORED TO THE FOUNDATION. 17) METAL HANGERS SHALL BE SIMPSON OR APPROVED EQUAL.

BRACING PANEL LENGTHS REQUIRED: BWL A = 4.4 FT BWL B = 4.4 FT BWL 1 = 6.7 FT BWL 2 = 6.7 FT BRACING PANEL LENGTHS PROVIDED: BWL A = 39.3 FT CS-WSP BWL B = 36.3 FT CS-WSP BWL 1 = 19.9 FT CS-WSP BWL 2 = 18.0 FT CS-WSP



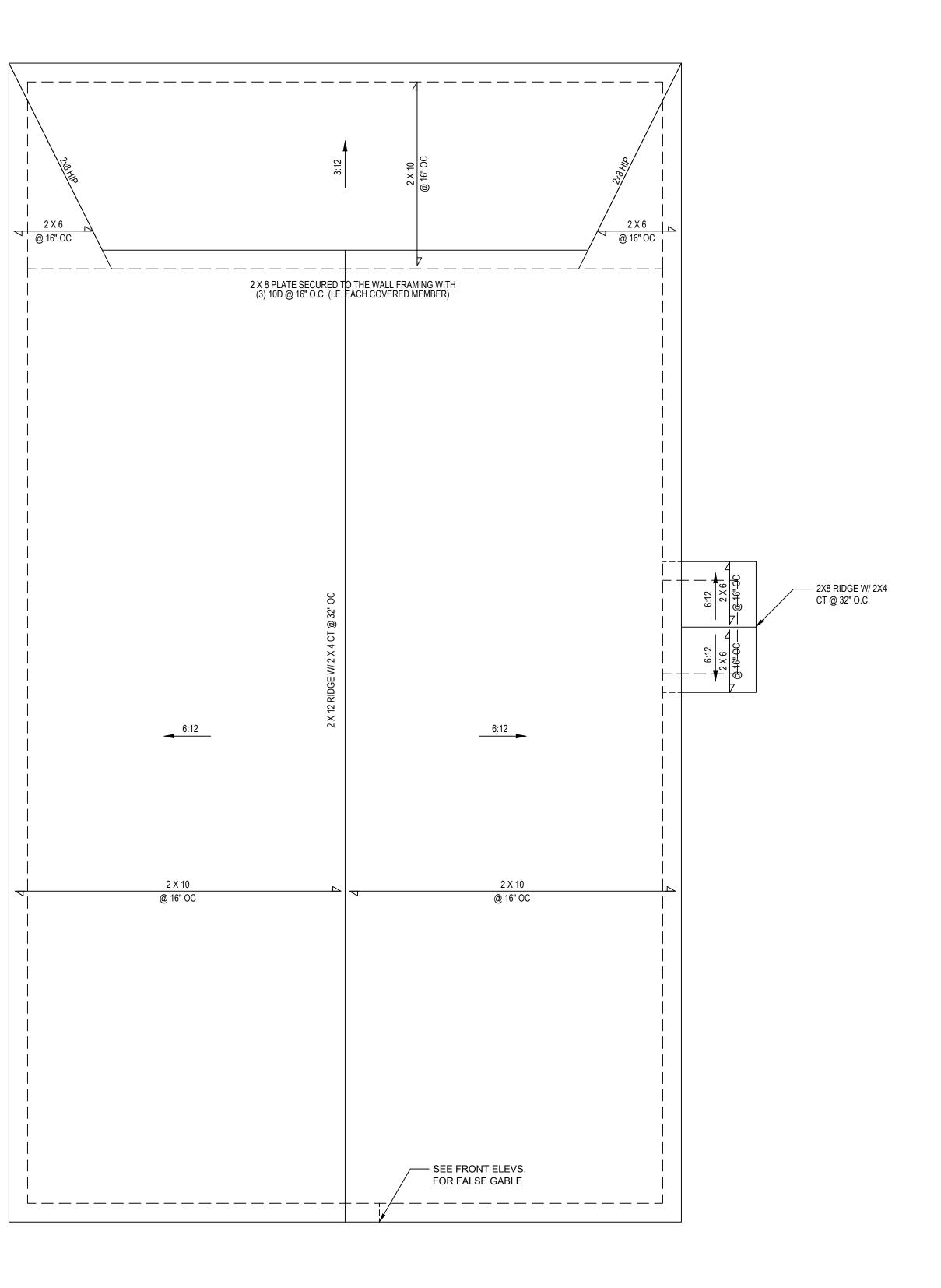
2232 SQ. FT. OF ATTIC / 300 = 7.44 SQ. FT. INLETS/OUTLETS REQUIRED

\* ATTIC VENTILATION CALCULATION

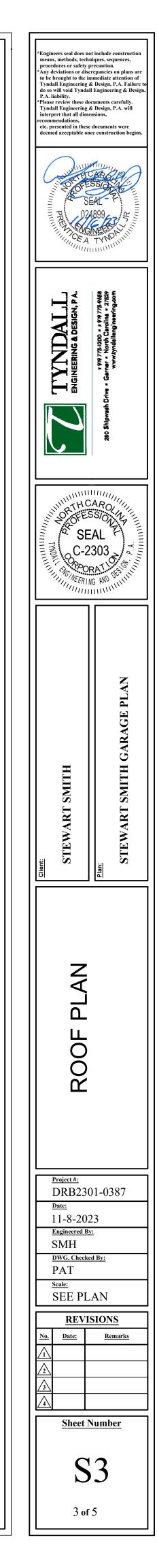
 CALCULATION BASED ON VENTILATORS USED AT LEAST 3'-0" ABOVE THE COMICE VENTS WITH THE BALANCE OF VENTILATION PROVIDED BY EAVE VENTS.

NO SCALE

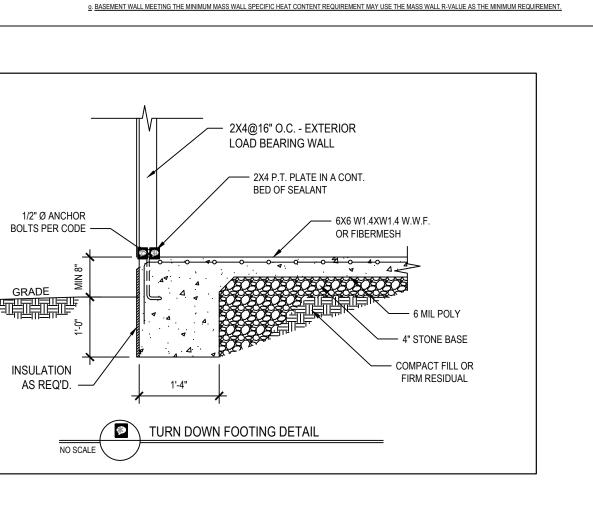
2) CATHEDRAL CEILINGS SHALL HAVE A 1" MINIMUM CLEARANCE BETWEEN THE BOTTOM OF THE ROOF DECK AND THE INSULATION.



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



| 1)    | ALL CONSTRUCTION SI  | HALL CONFORM T  | O THE LATEST REQU   |  | CTURAL NOTES  | -                       | ITIAL BUILDING |                        |           |                 |   |                   |                                 | Г  |
|-------|--|---|---|--|---|-------------------------|----------------|------------------------|-----------|-----------------|---|-------------------|---------------------------------|--|
| ,     | CODE", IN ADDITION TO  | ALL LOCAL CODE  | S AND REGULATION  | S.   |   |                         |                |                        |           |                 |   |                   |                                 | 5  |
| 2)    | DESIGN LOADS:  |   |   | LIVE LO<br>(PSF  |   | -                       | DEFLEC         | TION                   |           |                 |   | ALT<br>CANT<br>CJ | =<br>=<br>=                     | ALTERNATE<br>CANTILEVER<br>CEILING JOI   |
|       |  |   |   |  | , , , , , , , , , , , , , , , , , , ,   | ,                       | LL             | TL                     |           |                 |   | CMU<br>COL        | =                               | CONCRETE I<br>COLUMN   |
|       |  |   | . FLOORS<br>// walk up stairs)  | 40   |   | 0                       | L/360<br>L/360 | L/240<br>L/240         | -         |                 |   | CONC<br>CONT      | =                               | CONCRETE<br>CONTINUOU  |
|       |  | ATTIC (p  | ull down access)  | 20   | 1   | 0                       | L/240          | L/180                  |           |                 |   | CT                | =                               | COLLAR TIE   |
|       |  |   | (no access)   | 10   | 1   | -                       | L/240<br>L/360 | L/180<br>L/240         | -         |                 |   | DBL<br>DIA        | =<br>=                          | DOUBLE<br>DIAMETER   |
|       |  |   | ROOF  | 20   |   |                         | L/240          | L/180                  |           |                 |   | DJ<br>DR          | =                               | DOUBLE JOI   |
|       |  | RO  | OF TRUSS  | 20   | 2   |                         | L/240          | L/180                  | _         |                 |   | EA                | =                               | EACH<br>EACH END   |
|       |  | WI  | ND LOAD   |  | BASED   | ON 120 MPH (EXF         | POSURE B)      |                        | _         |                 |   | FJ                | =                               | FLOOR JOIS   |
|       |  | 5   | EISMIC  |  | 5   | EISMIC ZONES A,         | B & C          |                        |           |                 |   | FND<br>FTG        | =                               | FOUNDATION<br>FOOTING  |
| 3)    | MINIMUM ALLOWABLE S  | SOIL BEARING PRI  | ESSURE = 2000 PSF   |  |   |                         |                |                        |           |                 |   | GALV<br>HORIZ     | =                               | GALVANIZEE   |
| 4)    | CONCRETE SHALL HAV   | 'E A MINIMUM 28 D   | AY COMPRESSIVE S  | TRENGTH OF 3000  | PSI AND A MAXIMU  | IM SLUMP OF FIVE        | INCHES         |                        |           |                 |   | ht<br>Manuf       | =                               | HEIGHT<br>MANUFACTL  |
| ,     | UNLESS NOTED OTHER   | RWISE. (U.N.O.)   |   |  |   |                         |                |                        |           |                 |   |                   |                                 |  |
| 5)    | MAXIMUM DEPTH OF UI<br>BRACING. REFER TO SI<br>THICKNESS, SOIL TYPE  | ECTION R404 OF 2  | 018 NC BUILDING CO  | DE FOR BACKFILL  |   |                         |                |                        |           |                 |   |                   |                                 |  |
| 6)    | ALL FRAMING LUMBER<br>ALL FRAMING LUMBER<br>ALL LVL LUMBER TO BE<br>ALL LSL LUMBER TO BE   | EXPOSED TO THE<br>1.75" WIDE NOMI   | ELEMENTS SHALL B  | E TREATED MATE<br>EMBER AND Fb = 2   | 600 PSI, E = 1.9M P   |                         |                |                        |           |                 |   | 1)                | MAXIMUM                         | HEIGHT OF DEC  |
|       | ALL ESE LOMBER TO BE<br>ALL PSL LUMBER TO BE   |   |   |  |   |                         |                |                        |           |                 |   |                   | POS                             | T SIZE   |
| 7)    | ALL LOAD BEARING EX  |   |   |  |   |                         |                |                        |           |                 |   |                   | 4                               | x 4  |
|       | REQUIREMENTS FOR H   | EADER SPANS FC  | R INTERIOR AND EXT  | FERIOR LOAD CON  | IDITIONS UNLESS S   | PECIFICALLY NOT         | ED ON PLANS.   |                        |           |                 |   |                   | 6                               | x 6  |
| 8)    | ALL STRUCTURAL STEE<br>ALL STEEL ANGLES, PL<br>ALL STEEL PIPE SHALL  | ATES, AND C-ÒHA   | NNELS SHALL BE AS   |  |   |                         |                |                        |           |                 |   |                   | *                               | **   |
| 9)    | STEEL BEAMS SHALL B<br>PROVIDE SOLID BEARIN<br>LAG SCREWS (1/2"Ø x 4<br>SOLE PLATES, AND THE   | NG FROM BEAM SI<br>" LONG). LATERAL   | JPPORT TO FOUNDA<br>SUPPORT IS CONSIL   | TION. BEAMS SHA<br>DERED ADEQUATE  | LL BE ATTACHED TO<br>PROVIDED THE JO  | DEACH SUPPORT           | WITH TWO (2)   |                        |           |                 |   | **                | MAX<br>WH<br>FROM TOP           | E IS BASED ON<br>(IMUM TRIBUTA<br>ICH MAY BE LO<br>OF FOOTING T  |
| 10)   | PROVIDE ANCHOR BOL<br>THE END OF EACH PLA<br>EXTEND 7" INTO CONCI<br>THERE SHALL BE A MID  | TE SECTION. ANC<br>RETE OR MASONF   | HOR BOLTS SHALL B   | E SPACED AT 3'-0"<br>BE LOCATED IN 1   | O.C. FOR BASEME   | NTS. ANCHOR BOL         | T SHALL        |                        |           |                 |   |                   | SEA                             | TH POST HEIGH<br>ALED BY A PROI<br>ALL BE BRACEE<br>THODS:   |
| 11)   | THERE SHALL BE A MINIMUM TWO ANCHOR BOLTS PER PLATE SECTION.      11)    FOUNDATION DRAINAGE-DAMP PROOFING OR WATERPROOFING PER SECTION 405 AND 406 OF NC BUILDING CODE.                 |   |   |  |   |                         |                | Α.                     | =====     | FLOOR HEIGHT    |   |                   |                                 |  |
| 12)   | WALL AND ROOF CLAD   | DING VALUES:  |   |  |   |                         |                |                        |           |                 |   |                   | ABC                             | ACHED TO THE<br>DVE. LATERAL E   |
| ,     | WALL CLADDING SHALI<br>ROOF VALUES BOTH PO<br>39.0 LBS/SQFT FOR RO<br>36.0 LBS/SQFT FOR RO<br>18.0 LBS/SQFT FOR RO<br>**MEAN ROOF HEIGHT   | BE DESIGNED FO<br>DSITIVE AND NEG<br>OF PITCHES 0/12<br>OF PITCHES 1.5/12<br>OF PITCHES 6/12  | ATIVE SHALL BE AS F<br>[O 1.5/12<br>? TO 6/12   | · ·  | BS/SQFT) OR GREA  | TER POSITIVE ANI        | D NEGATIVE PR  | ESSURE.                |           |                 |   | В.                | BOT<br>AT A<br>TOF<br>45°<br>TO | D KNEE BRACES<br>TH DIRECTIONS<br>A POINT NOT LE<br>OF THE POST<br>AND 60° FROM<br>THE POST AND<br>T AT EACH ENI |
| 13)   | FOR ROOF SLOPES FR   | OM 2/12 THROUGH   | I 4/12, BUILDER TO IN   | STALL 2 LAYERS (   | OF 15# FELT PAPER   |                         |                |                        |           |                 |   | C.                |                                 | STANDING DEC<br>ACING, LATERAI   |
| 14)   | REFER TO SECTION R6  | 02.3 FOR FRAMIN   | G OF ALL WALLS OVE  | R 10'-0" IN HEIGHT   |   |                         |                |                        |           |                 |   |                   | POS                             | STS IN ACCORD  |
| 15)   | PROVIDE CONTINUOUS   | SHEATHING PER   | SECTION 602.10.3 OF   | THE 2018 NCRC.   |   |                         |                |                        |           |                 |   |                   |                                 |  |
| 16)   | UPLIFT LOADS GREATE  | R THAN 500# SHA   |   |  | ΤΗΕ ΕΩΙ ΙΝΠΑΤΙΩΝ  |                         |                |                        |           |                 |   |                   | PO                              | ST SIZE  |
| - /   |  |   |   |  |   |                         |                |                        |           |                 |   |                   |                                 | 4 x 4  |
| 17)   | REFER TO TABLE N1102   | 2.1 FOR PRESCRIF  | TIVE BUILDING ENVE  | LOPE THERMAL (   | COMPONENT CRITE   | RIA.                    |                |                        |           |                 |   |                   |                                 | 6 x 6  |
| 18)   | PSL COLUMNS DESIGN   | ED WITH MAXIMUI   | M HEIGHT OF 9'-0" (U.   | N.O.)  |   |                         |                |                        |           |                 |   |                   |                                 |  |
| 19)   | PROVIDE A MINIMUM O  | F 500# UPLIFT & L   | ATERAL CONNECTION   | N AT TOP AND BO  | FTOM OF PORCH C   | DLUMNS. (U.N.O.)        |                |                        |           |                 |   | D.                |                                 | ONAL VERTICAL  |
| 20)   | MAXIMUM MASONRY PE   | EIR HEIGHT SHALL  | NOT EXCEED FOUR   | TIMES ITS LEAST  | HORIZONTAL DIME   | NSION.                  |                |                        |           |                 |   |                   | ( )                             | PERPENDICULA   |
| 21)   | IT IS THE CONTRACTOR   | RS RESPONSIBILIT  | Y TO VERIFY ALL DIN   | IENSIONS AND SC  | UARE FOOTAGE PI   | RIOR TO CONSTRU         | JCTION.        |                        |           |                 |   |                   | THE                             | 2 x 6s SHALL E<br>PED GALVANIZI  |
|       | TYNDALL ENGINEERING  | G & DESIGN, PA IS   | NOT RESPONSIBLE F   | FOR DIMENSION C  | R SQUARE FOOTA  | GE ERRORS ONCE          | CONSTRUCTIO    | IN BEGINS.             |           |                 |   | E.                |                                 | DMENT OF PILE  |
|       |  |   |   |  |   |                         |                |                        |           |                 |   |                   |                                 |  |
|       |  |   | GLAZED  |  | WOOD  | MASS                    |                | BASEMENT S             | SLAB      | CRAWL SPACE     |   |                   |                                 |  |
| CLIMA |  | SKYLIGHT  |   | CEILING 🕮  | FRAMED WALL   | WASS<br>WALL<br>R-VALUE | FLOOR          | WALL                   | R-VALUE   | WALL            |   |                   |                                 |  |
| ZONE  |  |   |   | R-VALUE<br>38 or 30  | R-VALUE   | R-VALUE 4               | R-VALUE<br>19  | R-VALUE<br><u>5/13</u> | AND DEPTH | R-VALUE<br>5/13 | - |                   |                                 |  |
| 3     | 0.35   | 0.55  | 0.30  | <u>cont</u><br>38 or 30  | 13 + <u>2.5</u>   | 5/10 cont<br>5/13 or    |                | <u></u>                |           |                 |   |                   |                                 |  |
|       | 0.35   | 0.55  | 0.30  | cont 💶   | 13 + <u>2.5</u>   | 5/10 cont<br>13/17 or   | 19             | <u>10/15</u>           | 10        | <u>10/15</u>    |   |                   |                                 |  |
| 5     | <u>0.35</u>  | 0.55  | NR  | <u>38 or 30</u><br><u>cont</u> ₽   | <u>or 15 + 3</u>  | <u>13/12.5 cont</u>     | 30 오           | <u>10/15</u>           | 10        | <u>10/19</u>    |   |                   |                                 |  |
| NOS   | SCALE<br>a. R-VALUE<br>OF T<br>b. THE FEN<br>(SHG<br>C. "10/15" M<br>OR F<br>d. <u>FOR MON</u><br><u>OF TH</u><br><u>SHALL</u><br>ADDEL<br>e. <u>DELETEC</u><br>f. BASEMEN<br>g. OR INSU | S ARE MINIMUMS. U-FACTO<br>HE INSULATION, THE INST<br>ESTRATION U-FACTOR COI<br>IC) COLUMN APPLIES TO A<br>EANS R-10 CONTINUOUS IN<br>I-15 CAVITY INSULATION AT<br>IOLITHIC SLABS, INSULATI<br>E FOOTING OR A MAXIMUM<br>EXTEND TO THE BOTTOM<br>D TO THE REQUIRED SLAB<br>IT WALL INSULATION IS NO<br>LATION SUFFICIENT TO FIL | MATE ZONES 3-<br>VRS AND SHGC ARE MAXIMUMS<br>ALLED R-VALUE OF THE INSULA<br>JUMN EXCLUDED SKYLIGHTS. T<br>LI GLAZED FENESTRATION.<br>ISULATED SHEATHING ON THE<br>IN SHALL BE APPLIED FROM TH<br>IOF 24" BELOW GRADE WHICHE<br>OF THE FOUNDATION WALL OR<br>EDGE R-VALUES FOR HEATED S<br>T REQUIRED IN WARM-HUMID L<br>L THE FRAMING CAVITY. R-19 M<br>ATION, THE SECOND VALUE IS C | WHEN INSULATION IS INS<br>TION SHALL NOT BE LESS'<br>HE SOLAR HEAT GAIN COE<br>INTERIOR OR EXTERIOR O<br>ENT WALL OR CRAWL SPA<br>IE INSPECTION GAP DOWN<br>EVER IS LESS. FOR FLOATI<br>24*, WHICHEVER IS LESS.<br>SLABS.<br>OCATIONS AS DEFINED BY<br>INIMUM. | THAN THE R-VALUE SPECIFIE<br>FFICIENT<br><u>E THE HOME</u><br><u>DE WALL</u><br><u>WARD TO THE BOTTOM</u><br><u>WARD TO THE BOTTOM</u><br><u>WE SLABS, INSULATION</u><br>R-5 SHALL BE<br><u>FIGURE N1101.7</u> AND <u>TABLE</u> | D IN THE TABLE.         |                |                        |           |                 |   |                   |                                 |  |
|       | SHE  | ATHING. "15+3" MEANS R-1  | 5 CAVITY INSULATION. PLUS R-3<br>T REQUIRED WHERE THE STRU  | INSULATED SHEATHING.   | F STRUCTURAL SHEATHING  | COVERS 25% OR LESS OF   | THE EXTERIOR,  |                        |           |                 |   |                   |                                 |  |
|       | OF T   |   | UPPLEMENTED WITH INSULATE   |  |   |                         | UT ENULINI     |                        |           |                 |   |                   |                                 |  |
|       |  |   | HING.<br>/ALUE APPLIES WHEN MORE TH   | IAN HALF THE INSULATION  | IS ON THE INTERIOR MASS \   | VALL.                   |                |                        |           |                 |   |                   |                                 |  |



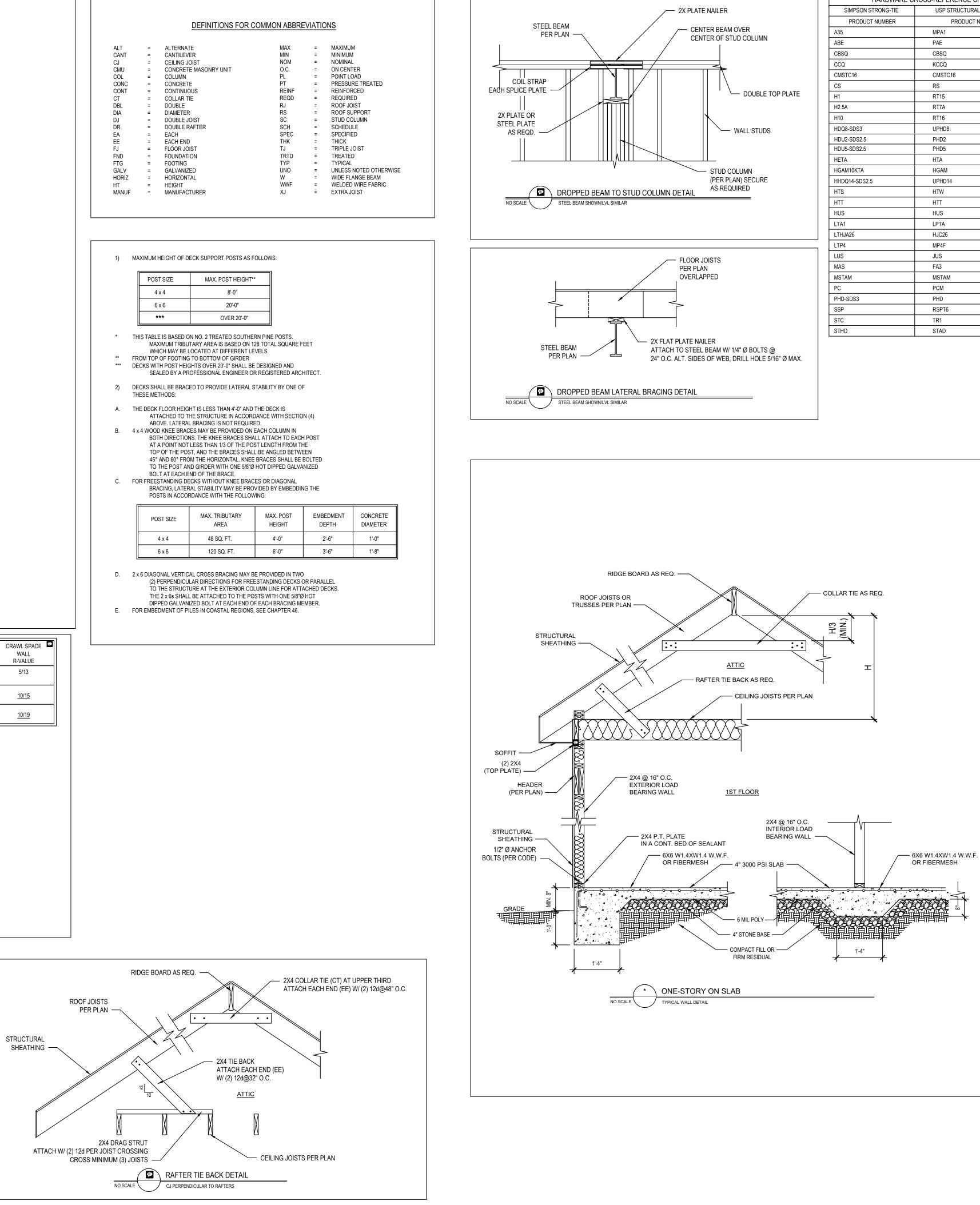
i. IN ADDITION TO THE EXEMPTION IN SECTION N1102.3.3, A MAXIMUM OF TWO GLAZED FENESTRATION PRODUCT ASSEMBLIES HAVING A U-FACTOR NO GREATER THAN 0.55 SHALL BE

R-30 SHALL BE DEEMED TO SATISFY THE CEILING INSULATION REQUIREMENT WHEREVER THE FULL HEIGHT OF 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 IN OF THE ATTIC ROOF DECK.
 m. TABLE VALUE REQUIRED EXCEPT FOR ROOF EDGE WHERE THE SPACE IS LIMITED BY THE PITCH OF THE ROOF; THERE THE INSULATION MUST FILL THE SPACE UP TO THE AIR BAFFLE.
 n. R-19 FIBERGLASS BATTS COMPRESSED AND INSTALLED IN A NOMINAL 2 × 6 FRAMING CAVITY IS DEEMED TO COMPLY. FIBERGLASS BATTS RATED R-19 OR HIGHER COMPRESSED AND INSTALLED IN A 2X4 WALL IS NOT DEEMED TO COMPLY.

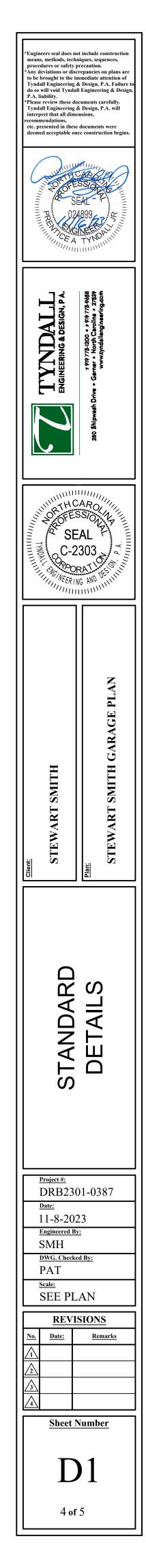
k. IN ADDITION TO THE EXEMPTION IN SECTION N1102.3.3. A MAXIMUM OF TWO GLAZED FENESTRATION PRODUCT ASSEMBLIES HAVING A SHGC NO GREATER THAN 0.70 SHALL BE

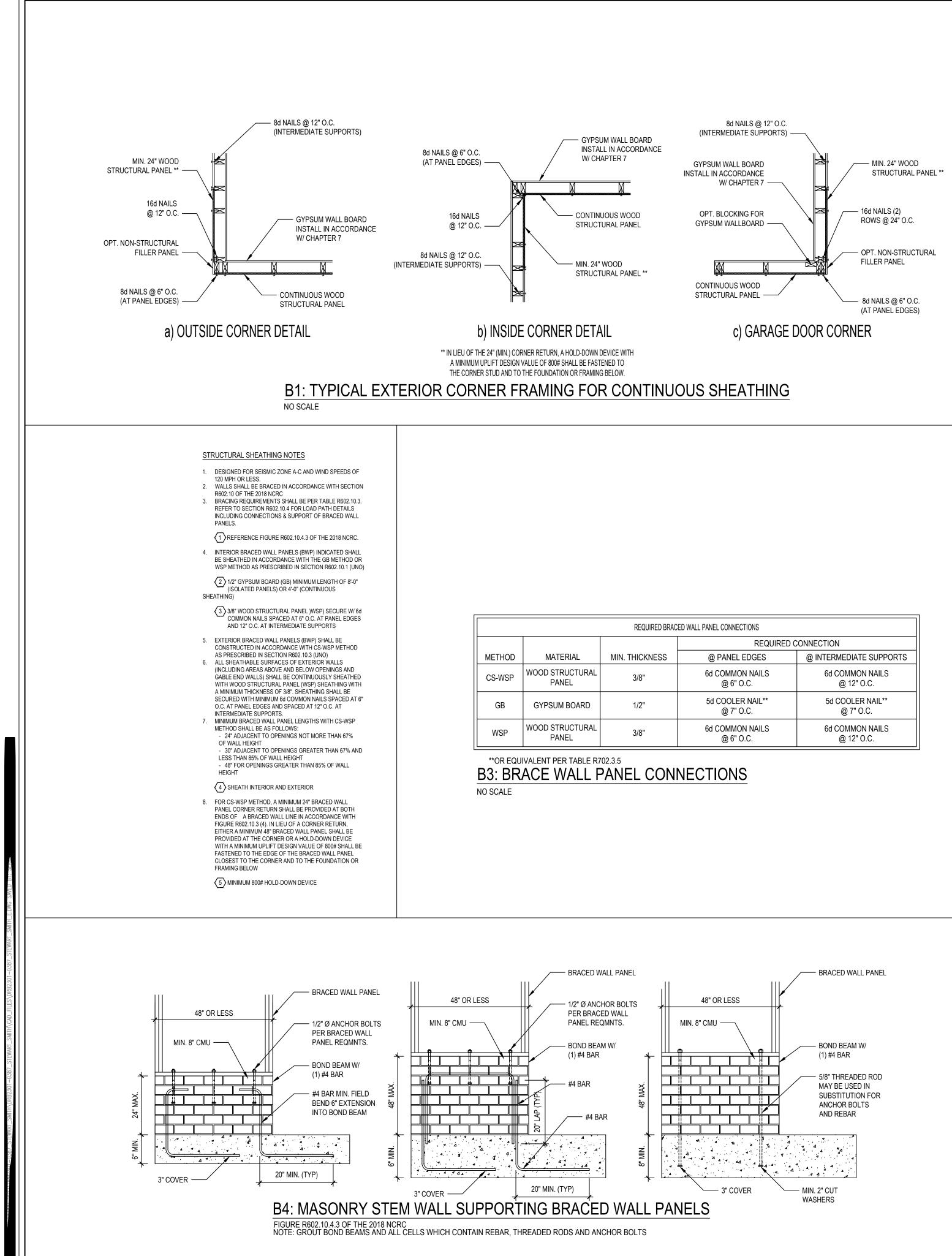
PERMITTED TO BE SUBSTITUTED FOR MINIMUM CODE COMPLIANT FENESTRATION PRODUCT ASSEMBLIES WITHOUT PENALTY.

PERMITTED TO BE SUBSTITUTED FOR MINIMUM CODE COMPLIANT FENESTRATION PRODUCT ASSEMBLIES WITHOUT PENALTY.



| STRONG-TIE | USP STRUCTURAL CONNECTORS |
|------------|---------------------------|
| CT NUMBER  | PRODUCT NUMBER            |
|            | MPA1                      |
|            | PAE                       |
|            | CBSQ                      |
|            | KCCQ                      |
|            | CMSTC16                   |
|            | RS                        |
|            | RT15                      |
|            | RT7A                      |
|            | RT16                      |
|            | UPHD8                     |
|            | PHD2                      |
|            | PHD5                      |
|            | HTA                       |
|            | HGAM                      |
| .5         | UPHD14                    |
|            | HTW                       |
|            | HTT                       |
|            | HUS                       |
|            | LPTA                      |
|            | HJC26                     |
|            | MP4F                      |
|            | JUS                       |
|            | FA3                       |
|            | MSTAM                     |
|            | PCM                       |
|            | PHD                       |
|            | RSPT6                     |
|            | TR1                       |
|            | STAD                      |





| CONNECTIONS         |                         |  |  |  |  |
|---------------------|-------------------------|--|--|--|--|
| REQUIRED CONNECTION |                         |  |  |  |  |
| PANEL EDGES         | @ INTERMEDIATE SUPPORTS |  |  |  |  |
| OMMON NAILS         | 6d COMMON NAILS         |  |  |  |  |
| @ 6" O.C.           | @ 12" O.C.              |  |  |  |  |
| 000LER NAIL**       | 5d COOLER NAIL**        |  |  |  |  |
| @ 7" 0.C.           | @ 7" O.C.               |  |  |  |  |
| OMMON NAILS         | 6d COMMON NAILS         |  |  |  |  |
| @ 6" O.C.           | @ 12" O.C.              |  |  |  |  |

