

THIS COPYRIGHTED DESIGN IS THE SOLE PROPERTY OF DRB DESIGN AND MAY NOT BE USED OR REPRODUCED WITHOUT A WRITTEN CONSENT OF DRB DESIGN

# PRITCHETT ADDITION

PROJECT#  
DRB2401-0346  
DATE  
09/27/2024  
DRAWN/DESIGNED BY  
DC  
CHECKED BY  
DRB  
SCALE  
1/4" = 1'-0"

WEBSITE  
www.  
drbhomedesign  
.com

115 Fairfax Dr.  
Sanford, NC.  
27332

DRB DESIGN  
drbdesign@drbhomedesign.com 919.631.5979  
250 Shipwash Dr Suite 105 Garner, NC 27529

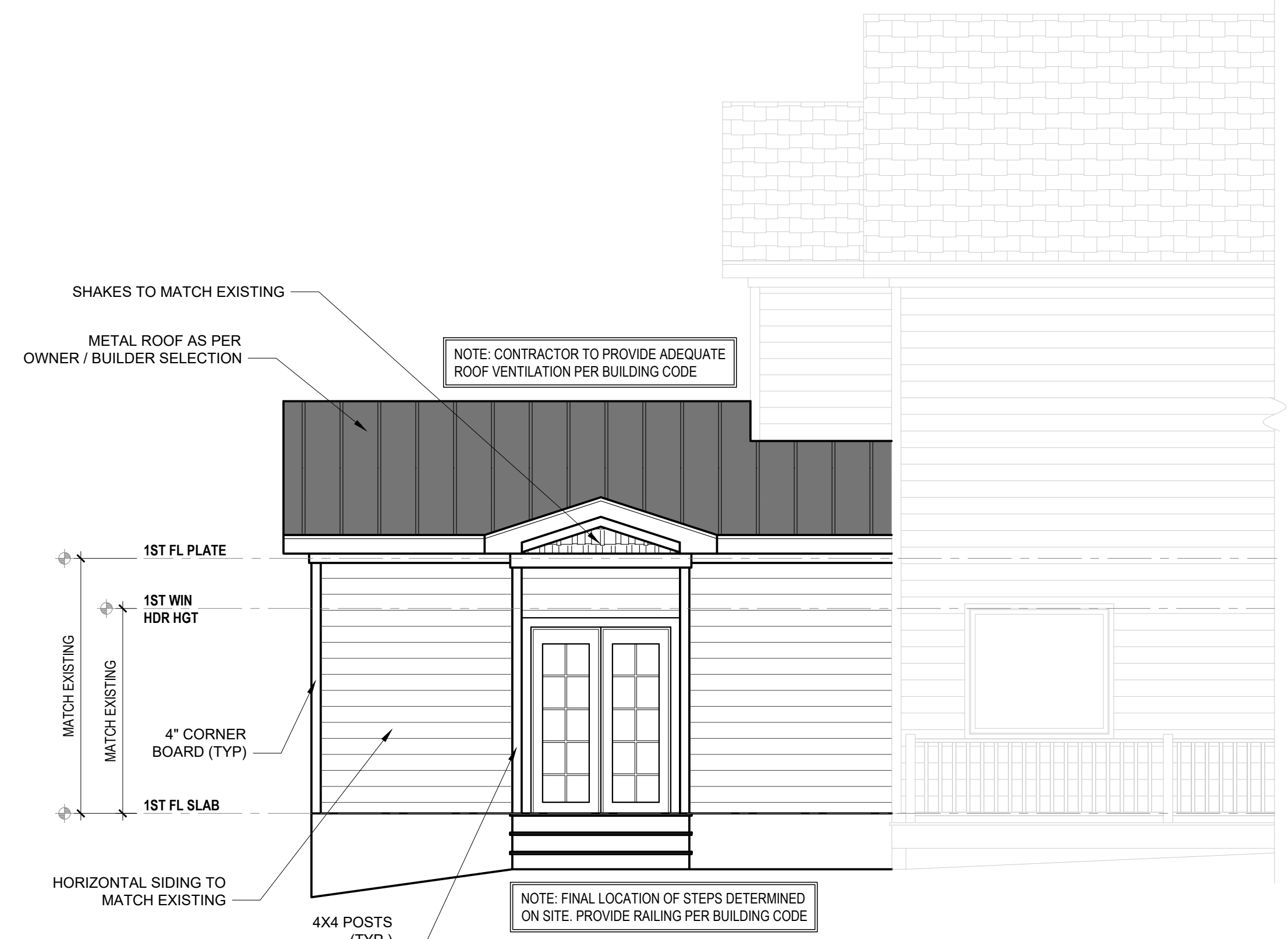


**FRONT ELEVATION**  
1/4" = 1'-0"

1. DRB DESIGN assumes no liability for any home constructed from this plan.
2. 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 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.
6. 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 arising out of such changes.
10. Written dimensions on these plans always have precedence over scaled dimensions.
11. It is the contractor's 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.



**RIGHT ELEVATION**  
1/4" = 1'-0"

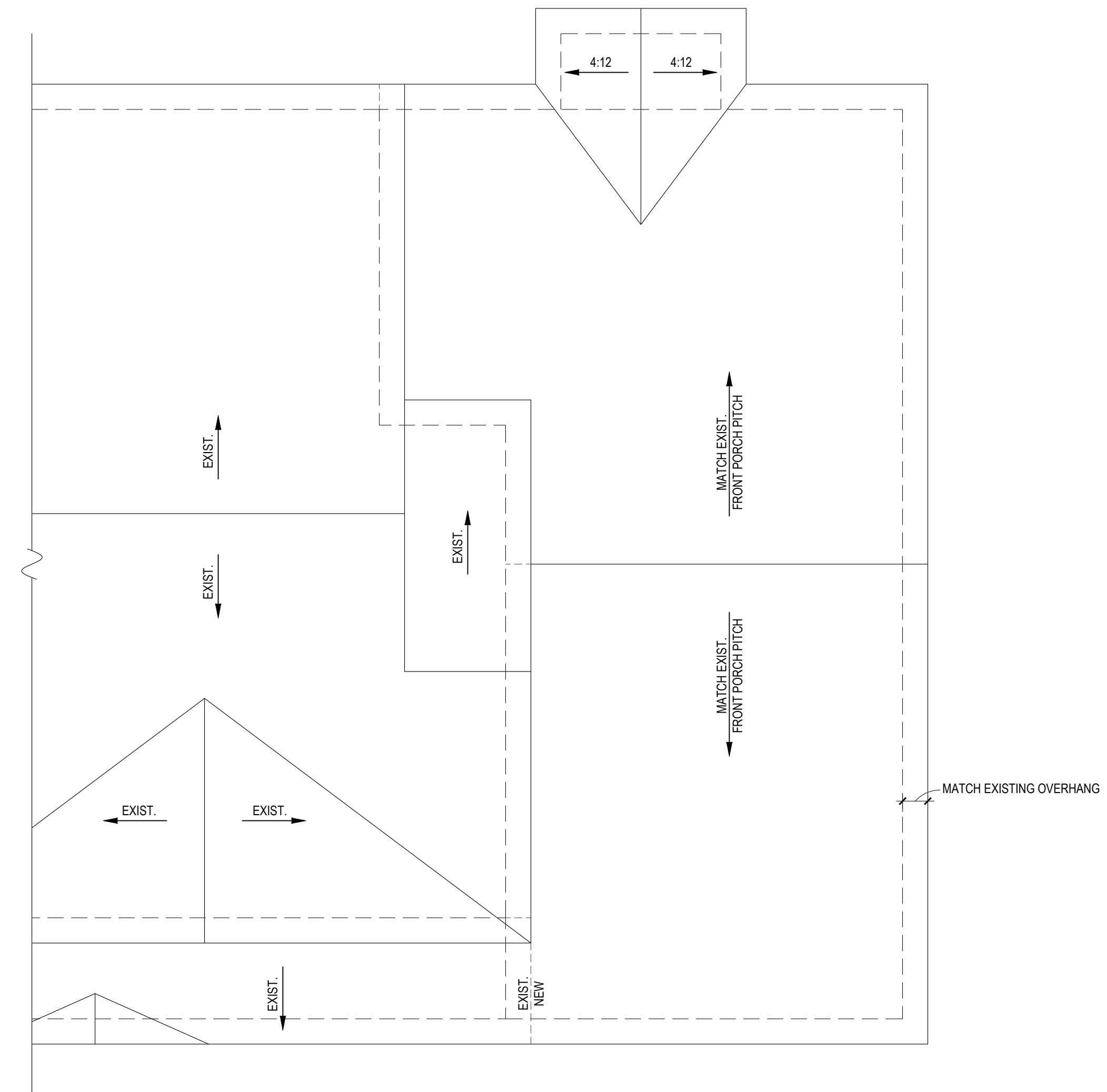
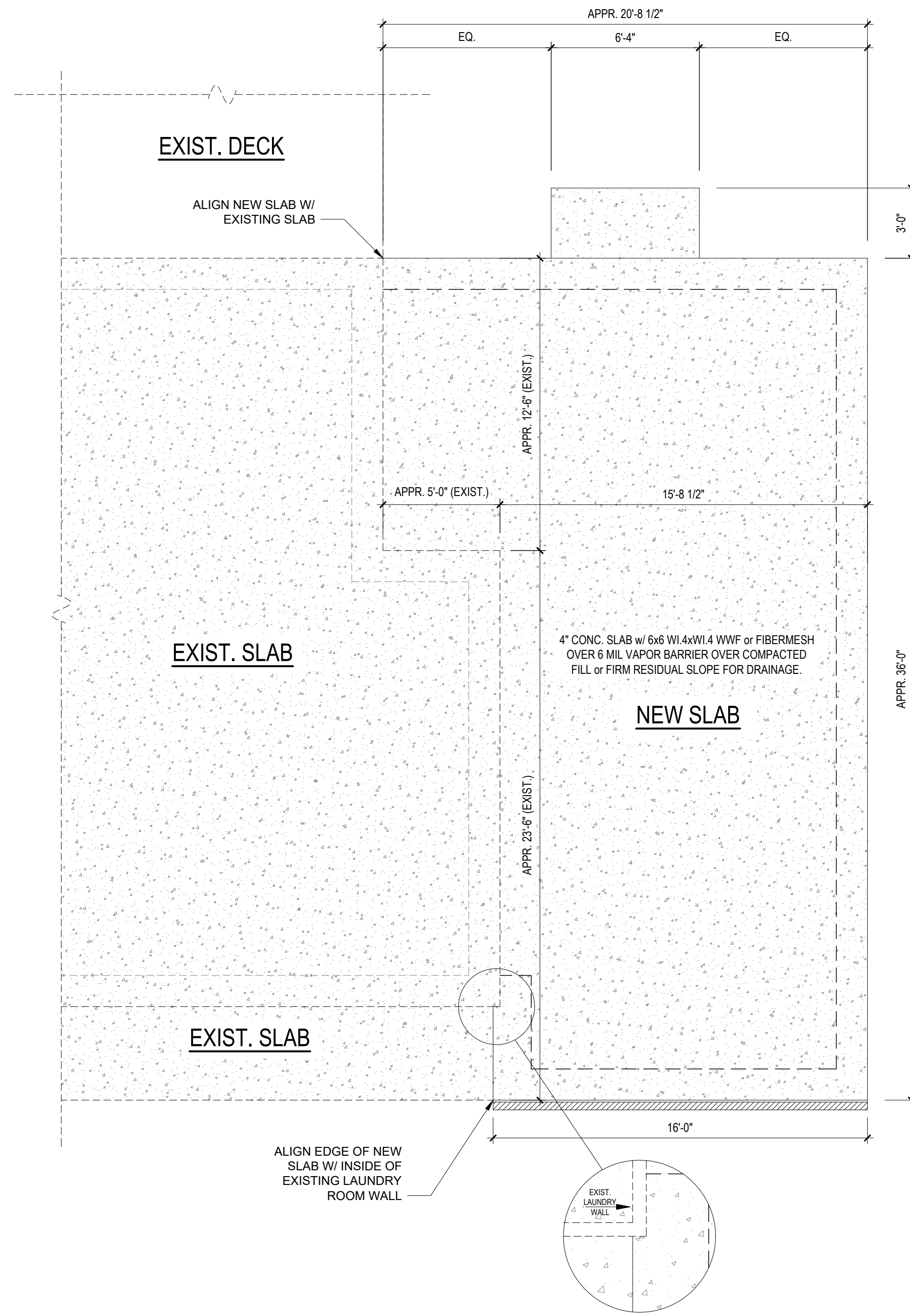


**REAR ELEVATION**  
1/4" = 1'-0"

SHEET NAME  
Jason Buie  
P.O. Box 612.  
Buies Creek, NC. 27506  
buiebuilt@gmail.com  
(919) 695-6370

SHEET #  
ELEVATIONS  
1  
of 3

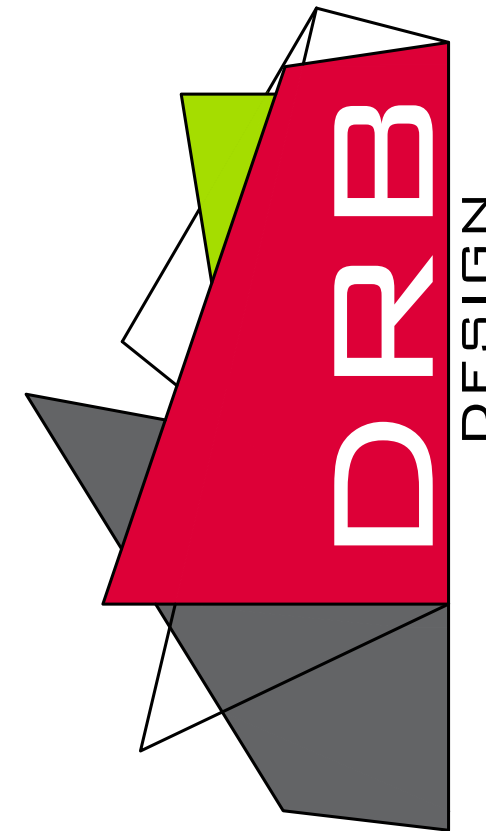
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WWW SITE  
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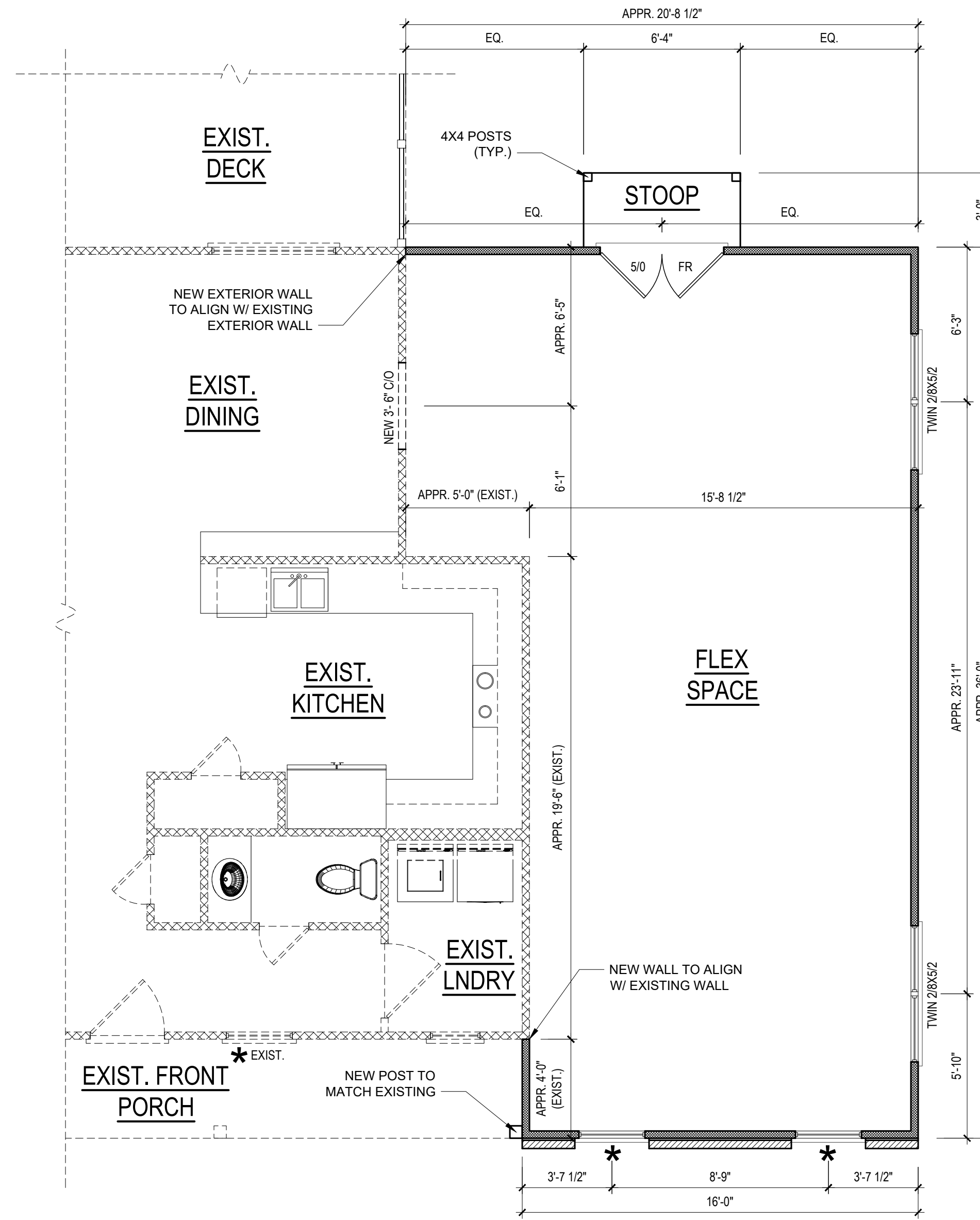
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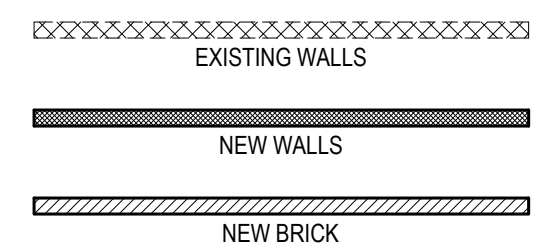
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SHEET NAME  
FOUND/ROOF



\* MATCH EXISTING WINDOW



**FIRST FLOOR PLAN**  
1/4" = 1'-0" CLG HGT = MATCH EXIST.

| HEATED SQUARE FOOTAGE |            |
|-----------------------|------------|
| Flex Space Add.       | 629        |
| <b>TOTAL HEATED</b>   | <b>629</b> |
| UNHTD SQUARE FOOTAGE  |            |
| Rear Stoop Add.       | 19         |
| <b>TOTAL UNHEATED</b> | <b>19</b>  |
| <b>TOTAL SQ FT</b>    | <b>648</b> |

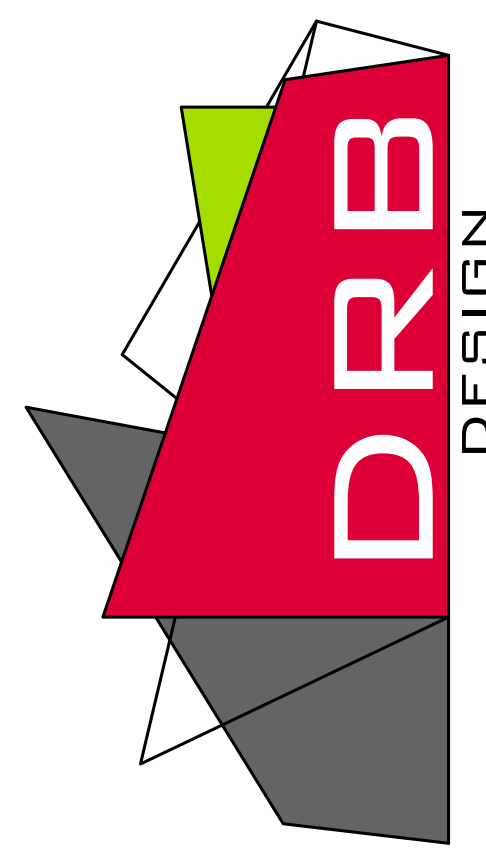
- NOTE: SEE ELEVATIONS FOR WINDOW HDR HGTS
- NOTE: ALL DOORS ARE 6'-8" TALL UNO
- NOTE: ALL EXTERIOR WALLS ARE 3 1/2" UNO
- NOTE: ALL INTERIOR WALLS ARE 3 1/2" UNO
- NOTE: ALL DIMENSIONS ARE FRAME TO FRAME
- NOTE: FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION

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SHEET NAME  
1ST\_FLOOR

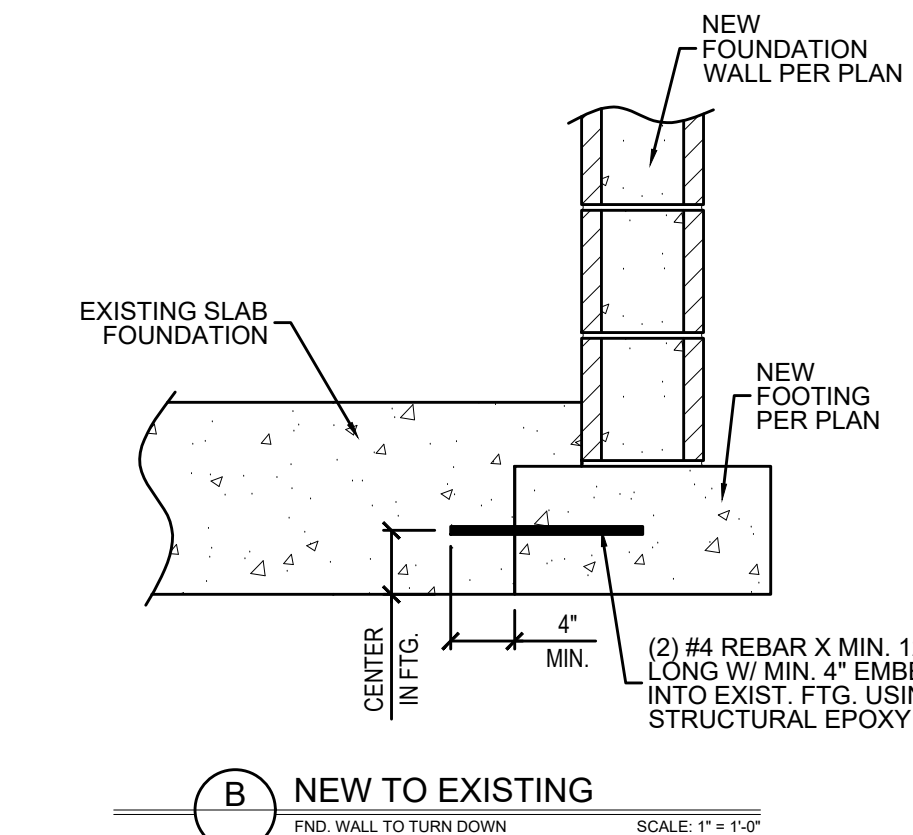
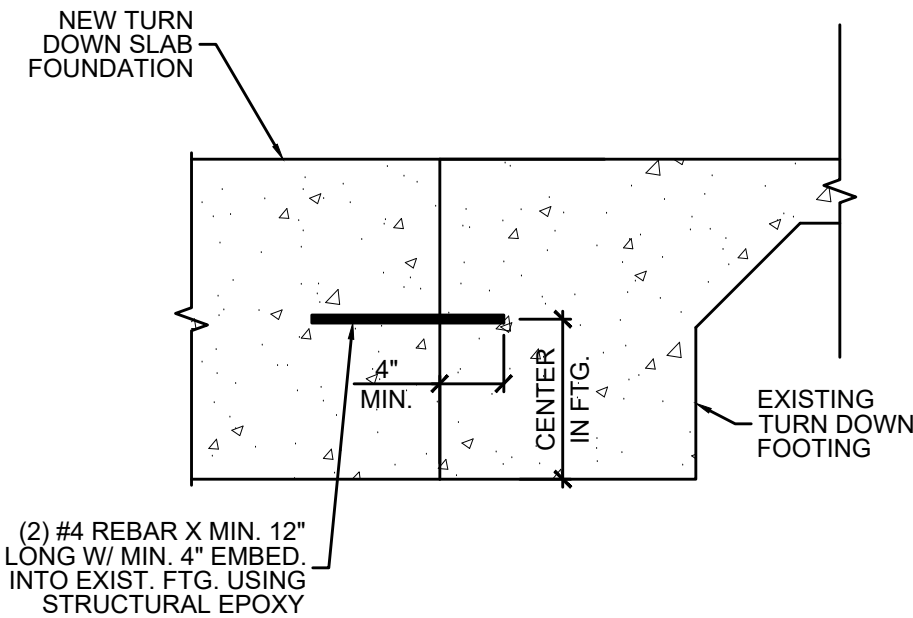
SHEET #  
3  
of 3

DESIGN LOADS

|                    | LIVE LOAD (PSF)                 | DEAD LOAD (PSF) | DEFLECTION |       |
|--------------------|---------------------------------|-----------------|------------|-------|
|                    |                                 |                 | LL         | TL    |
| FLOOR (primary)    | 40                              | 10              | L/360      | L/240 |
| FLOOR (secondary)  | 40                              | 10              | L/360      | L/240 |
| ATTIC (w/ storage) | 20                              | 10              | L/240      | L/180 |
| ATTIC (no access)  | 10                              | 5               | L/240      | L/180 |
| EXTERNAL BALCONY   | 40                              | 10              | L/360      | L/240 |
| ROOF               | 20                              | 10              | L/240      | L/180 |
| ROOF TRUSS         | 20                              | 20              | L/240      | L/180 |
| WIND LOAD          | BASED ON 120 MPH (EXPOSURE B)   |                 |            |       |
| SEISMIC            | BASED ON SEISMIC ZONES A, B & C |                 |            |       |

STRUCTURAL NOTES:

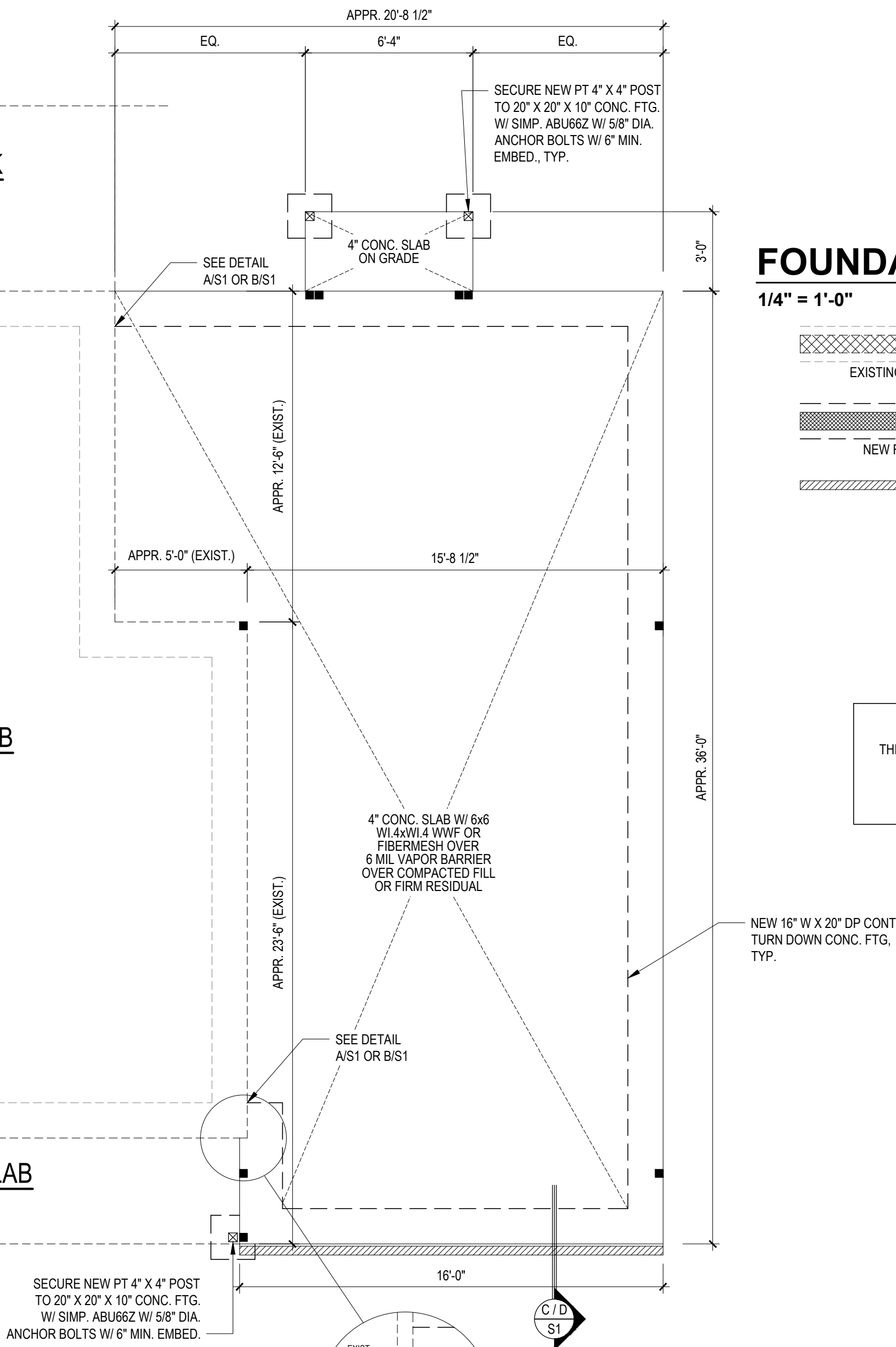
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF "NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE", IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQUARE FOOTAGE PRIOR TO CONSTRUCTION. TYNDALL ENGINEERING & DESIGN, PA IS NOT RESPONSIBLE FOR DIMENSIONS AND SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
- ALL LUMBER SHALL BE SYP #2 (UNO)  
ALL LIV. LUMBER TO BE 1.75" WIDE (ACTUAL) EACH SINGLE MEMBER AND  $F_b = 2600$  PSI,  $E = 1.9M$  PSI (OR GREATER) (I.E. LEVEL MICROLAM)  
ALL LSL LUMBER IS TO BE 1.55E ( $F_b = 2325$  PSI) (OR GREATER)  
ALL PSL LUMBER IS TO BE 1.8E ( $F_b = 2400$  PSI) (OR GREATER)
- 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) 10# 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 (UNO)
- 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  
 $F_y = 50$  KSI MIN. (UNO)
- ALL EXTERIOR LUMBER TO BE #2 SYP PT
- ALL CONCRETE  $f_c = 3000$  PSI MIN.
- PRESUMPTIVE BEARING CAPACITY = 2000 PSF
- 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 MASONRY.
- PSL COLUMNS DESIGNED WITH MAX. HEIGHT OF 9'-0" (UNO)
- PROVIDE A MINIMUM OF 500# UPLIFT & LATERAL CONNECTION AT TOP AND BOTTOM OF PORCH COLUMNS. (U.N.O.)
- PROVIDE CONTINUOUS SHEATHING PER SECTION 602.10.3 OF THE 2018 NCRC.
- MAXIMUM MASONRY PIER HEIGHT SHALL NOT EXCEED FOUR TIMES ITS LEAST HORIZONTAL DIMENSION.
- UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY ANCHORED TO THE FOUNDATION.
- METAL HANGERS SHALL BE SIMPSON OR APPROVED EQUAL.



EXIST. DECK

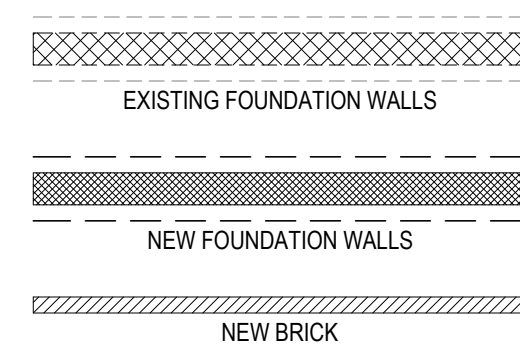
EXIST. SLAB

EXIST. SLAB

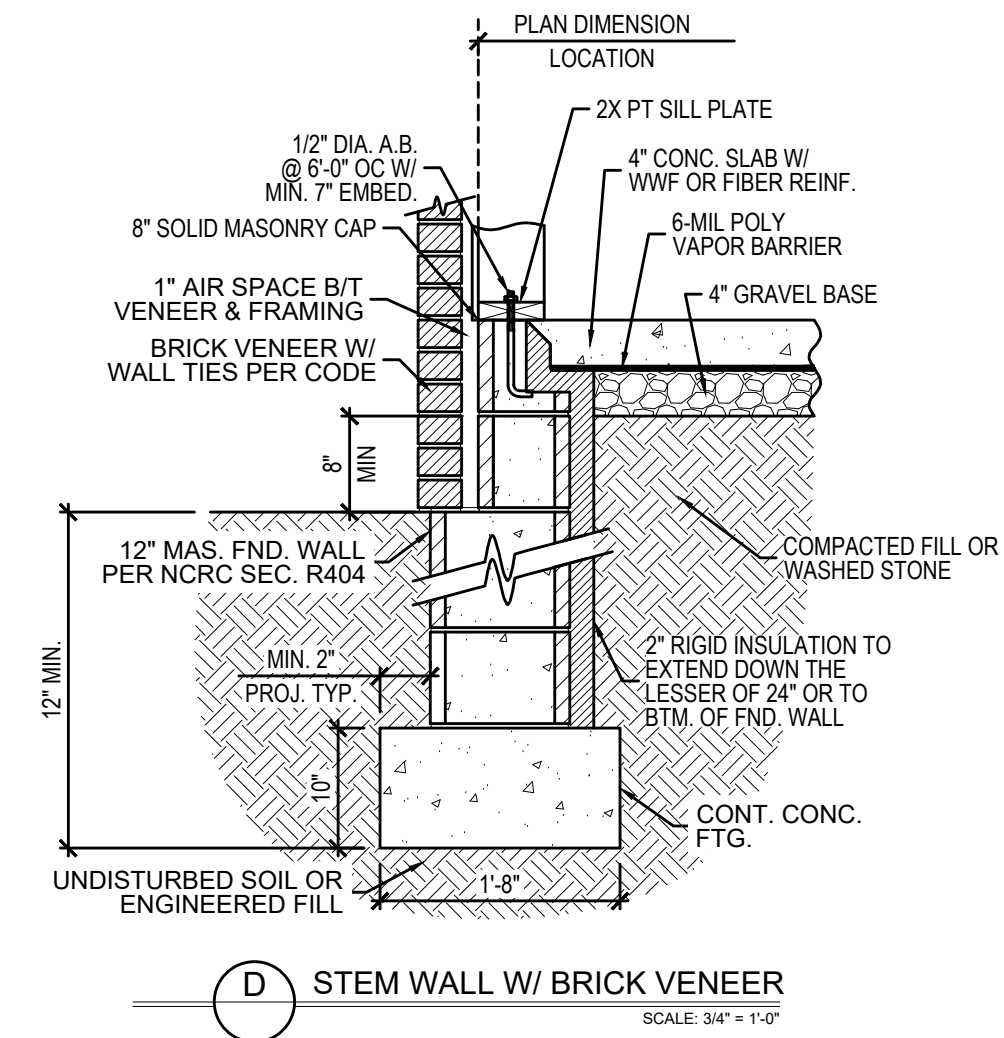
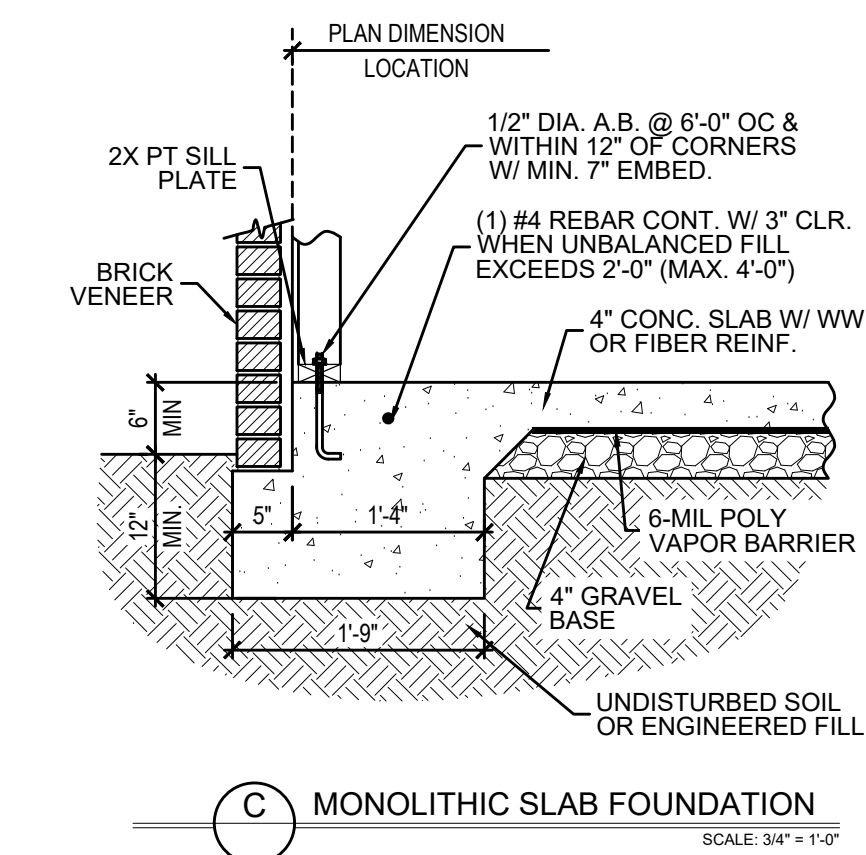


FOUNDATION PLAN

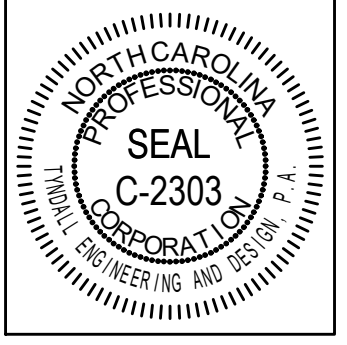
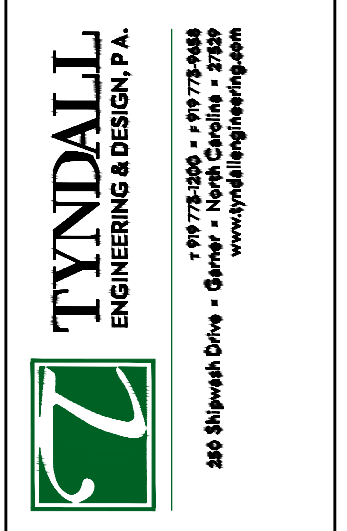
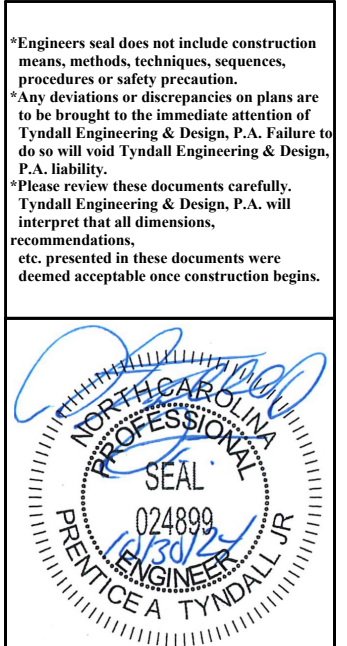
1/4" = 1'-0"



NOTE:  
THE BUILDER HAS THE OPTION TO INSTALL AN 8" MASONRY FOUNDATION WALL PER CODE ON A 16" WIDE X 8" THICK CONT. CONC. FTG. IN LIEU OF PLAN SPECIFIED FOR TURN DOWN.



NOTE:  
THE EXISTING FRAMING SHOWN IS BASED ON LIMITED FIELD DATA. IF DURING DEMOLITION, FRAMING IS SHOWN TO BE DIFFERENT THAN WHAT IS SHOWN ON THIS PLAN, PLEASE CONTACT TE&D IMMEDIATELY.



CLIENT: JASON BLUE  
PROJECT: PRITCHETT ADDITION  
115 FAIRFAX DR. SANFORD, NC

FOUNDATION PLAN

Project #: DRB2401-0346  
Date: 10/31/2024  
Engineered by: VA  
DWG. Checked By: PAT  
Scale: SEE PLAN

| No. | Date | Remarks |
|-----|------|---------|
|     |      |         |
|     |      |         |
|     |      |         |

Sheet Number  
**S1**  
1 of 6

**DESIGN LOADS**

|                    | LIVE LOAD (PSF)                 | DEAD LOAD (PSF) | DEFLECTION |       |
|--------------------|---------------------------------|-----------------|------------|-------|
|                    |                                 |                 | LL         | TL    |
| FLOOR (primary)    | 40                              | 10              | L/360      | L/240 |
| FLOOR (secondary)  | 40                              | 10              | L/360      | L/240 |
| ATTIC (w/ storage) | 20                              | 10              | L/240      | L/180 |
| ATTIC (no access)  | 10                              | 5               | L/240      | L/180 |
| EXTERNAL BALCONY   | 40                              | 10              | L/360      | L/240 |
| ROOF               | 20                              | 10              | L/240      | L/180 |
| ROOF TRUSS         | 20                              | 20              | L/240      | L/180 |
| WIND LOAD          | BASED ON 120 MPH (EXPOSURE B)   |                 |            |       |
| SEISMIC            | BASED ON SEISMIC ZONES A, B & C |                 |            |       |

**STRUCTURAL NOTES:**

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- ALL LUMBER SHALL BE SYP #2 (UNO)  
ALL LVL LUMBER TO BE 1.75" WIDE (ACTUAL) EACH SINGLE MEMBER AND F<sub>b</sub> = 2600 PSI, E = 1.9M PSI (OR GREATER) (I.E. LEVEL MICROLAM)  
ALL LSL LUMBER IS TO BE 1.55E (F<sub>b</sub> = 2325 PSI) (OR GREATER)  
ALL PSL LUMBER IS TO BE 1.8E (F<sub>b</sub> = 2,400 PSI) (OR GREATER)
- 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) 10# 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 (UNO)
- 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  
F<sub>y</sub> = 50 KSI MIN. (UNO)
- ALL EXTERIOR LUMBER TO BE #2 SYP PT
- ALL CONCRETE, f<sub>c</sub> = 3000 PSI MIN.
- PRESUMPTIVE BEARING CAPACITY = 2000 PSF
- 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 MASONRY.
- PSL COLUMNS DESIGNED WITH MAX. HEIGHT OF 9'-0" (UNO)
- PROVIDE A MINIMUM OF 500# UPLIFT & LATERAL CONNECTION AT TOP AND BOTTOM OF PORCH COLUMNS. (U.N.O.)
- PROVIDE CONTINUOUS SHEATHING PER SECTION 602.10.3 OF THE 2018 NCR.
- MAXIMUM MASONRY PIER HEIGHT SHALL NOT EXCEED FOUR TIMES ITS LEAST HORIZONTAL DIMENSION.
- UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY ANCHORED TO THE FOUNDATION.
- METAL HANGERS SHALL BE SIMPSON OR APPROVED EQUAL.

**STRUCTURAL SHEATHING NOTES**

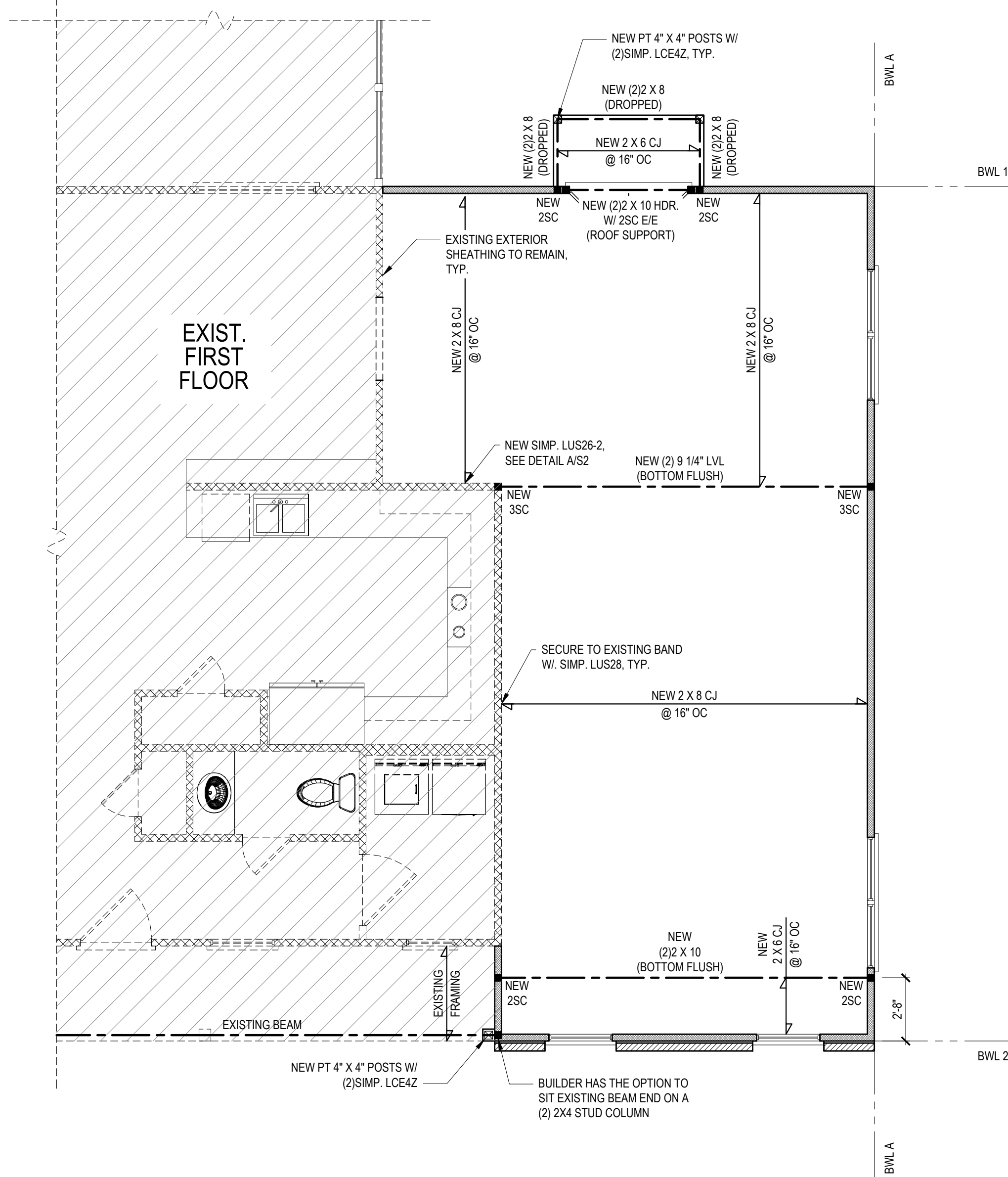
- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10 OF THE 2018 NCR.
- BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3 REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
- REFERENCE FIGURE R602.10.4.3 OF THE 2018 NCR.
- INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE GB METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (UNO)
  - 1/2" GYPSUM BOARD (GB) MINIMUM LENGTH OF 8'-0" (ISOLATED PANELS) OR 4'-0" (CONTINUOUS SHEATHING). SECURE w/ 5d COOLER NAILS (OR EQUAL PER TABLE R702.3.5) SPACED @ 7" O.C. AT PANEL EDGES, INCLUDING TOP AND BOTTOM PLATES & 7" O.C. AT INTERMEDIATE SUPPORTS
  - 3/8" WOOD STRUCTURAL PANEL (WSP) SECURE w/ 6d COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS
- EXTERIOR BRACED WALL PANELS (BWP) SHALL BE CONSTRUCTED IN ACCORDANCE WITH CS-WSP METHOD AS PRESCRIBED IN SECTION R602.10.3 (UNO)
- ALL SHEATHABLE SURFACES OF EXTERIOR WALLS (INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS) SHALL BE CONTINUOUSLY SHEATHED WITH WOOD STRUCTURAL PANEL (WSP) SHEATHING WITH A MINIMUM THICKNESS OF 3/8". SHEATHING SHALL BE SECURED WITH MINIMUM 6d COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND SPACED AT 12" O.C. AT INTERMEDIATE SUPPORTS. MINIMUM BRACED WALL PANEL LENGTHS WITH CS-WSP METHOD SHALL BE AS FOLLOWS:
  - 24" ADJACENT TO OPENINGS NOT MORE THAN 67% OF WALL HEIGHT
  - 30" ADJACENT TO OPENINGS GREATER THAN 67% AND LESS THAN 85% OF WALL HEIGHT.
  - 48" FOR OPENINGS GREATER THAN 85% OF WALL HEIGHT
- SHEATH INTERIOR & EXTERIOR
  - FOR CS-WSP METHOD, A MINIMUM 24" BRACED WALL PANEL CORNER RETURN SHALL BE PROVIDED AT BOTH ENDS OF A BRACED WALL LINE IN ACCORDANCE WITH FIGURE R602.10.3(4) IN LIEU OF A CORNER RETURN, EITHER A MIN. 48" BRACED WALL PANEL SHALL BE PROVIDED AT THE CORNER OR A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER AND TO THE FOUNDATION OR FRAMING BELOW.
  - MINIMUM 800# HOLD-DOWN DEVICE

**BRACING PANEL LENGTHS REQUIRED:**  
BWL A = 23.5 FT  
BWL 1 = 4.1 FT  
BWL 2 = 4.1 FT

**BRACING PANEL LENGTHS PROVIDED:**  
BWL A = 25.42 FT CS-WSP  
BWL 1 = 15.71 FT CS-WSP  
BWL 2 = 10.67 FT CS-WSP

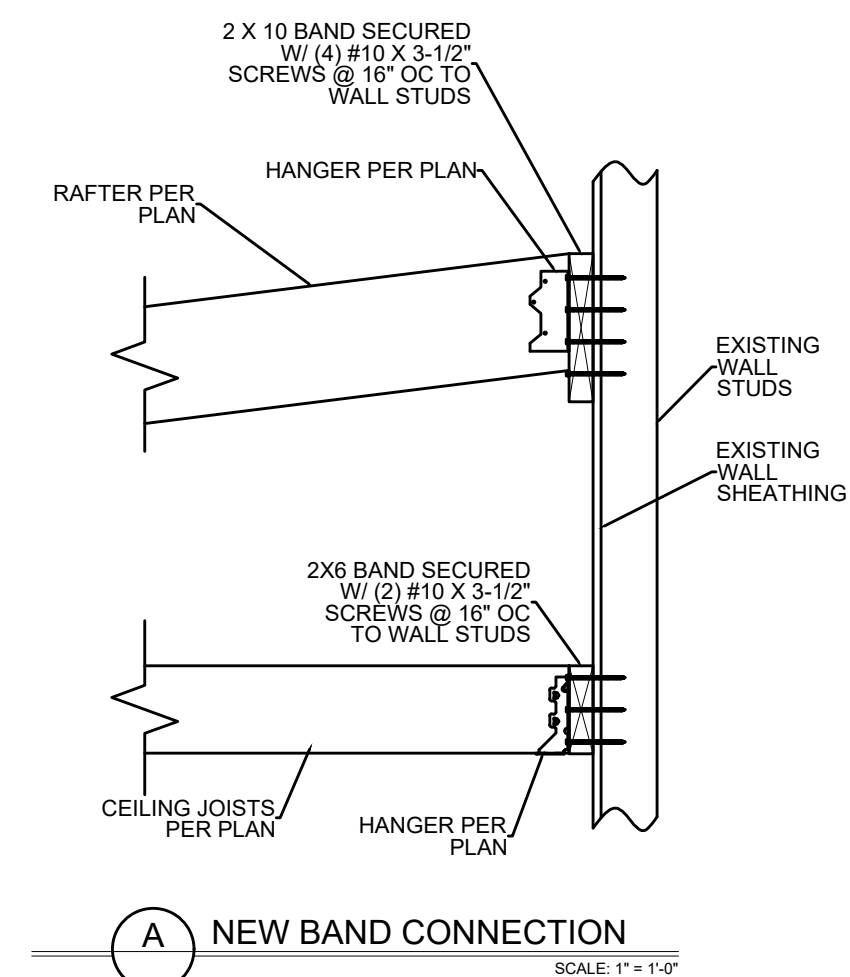
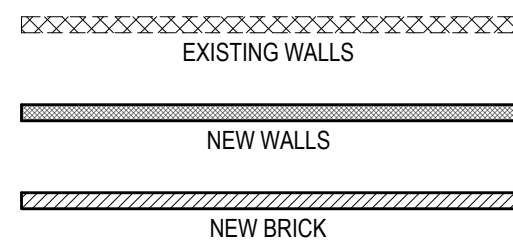
| KING STUD SCHEDULE |   |                 |
|--------------------|---|-----------------|
| HEADER SPAN (FT)   | MIN. # OF FULL HEIGHT STUDS (KING) E.E. OF OPENING PER WALL DEPTH |                 |
|                    | 2 X 4 STUD WALL   | 2 X 6 STUD WALL |
| UP TO 3'-0"        | 1   | 1               |
| 3'-1" TO 6'-0"     | 2   | 1               |
| 6'-1" TO 9'-0"     | 3   | 2               |
| 9'-1" TO 12'-0"    | 4   | 2               |
| 12'-1" TO 15'-0"   | 5   | 3               |
| 15'-1" TO 18'-0"   | 6   | 3               |

NOTES:  
a. TABLE DENOTES REQUIRED MINIMUM NUMBER OF STUDS E.E. OF HEADER, TYP. UNO ON PLANS  
b. NUMBER OF KING STUDS LISTED ABOVE ARE BASED 1/2" NOMINAL WALL HEIGHT, STUD SPACING OF 16" O.C. AND ULTIMATE WIND SPEED OF 120 MPH (EXPOSURE B)  
c. HEADER SPANS IN TABLE ARE BASED ON ROUGH OPENINGS. INTERPOLATION BETWEEN SPAN VALUES IS PERMITTED. ROUND UP NUMBER OF KING STUDS. EXTRAPOLATION IS PROHIBITED. CONTACT TYNDALL ENGINEERING AND DESIGN IF HEADER SPANS EXCEED TABLE VALUES



**FIRST FLOOR PLAN**

1/4" = 1'-0" CLG HGT = MATCH EXIST.



\*Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.  
Any deviation or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.  
\*Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



**TYNDALL**  
ENGINEERING & DESIGN P.A.  
115 FAIRFAX DR. SANFORD, NC 27585  
919.775.5100 • 919.775.7444  
www.tyndallengineering.com



Client: **JASON BLIE**  
Project: **PRITCHETT ADDITION**  
**115 FAIRFAX DR. SANFORD, NC**

**1ST FLOOR HEADER**  
**1ST FLOOR CEILING**

|                  |              |
|------------------|--------------|
| Project #:       | DRB2401-0346 |
| Date:            | 10/31/2024   |
| Engineered by:   | VA           |
| DWG. Checked by: | PAT          |
| Scale:           | SEE PLAN     |

| REVISIONS |      |         |
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| No.       | Date | Remarks |
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Sheet Number

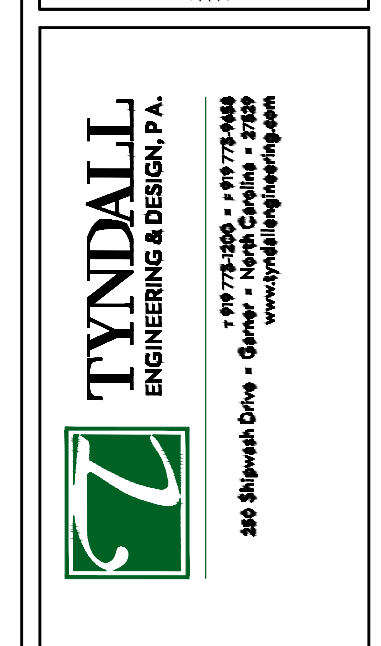
**S2**

**NOTE:**  
ALL NEW LOAD BEARING HEADERS ARE TO BE (2) 2 X 10'S W/ (1) JACK STUD EACH END, PER STRUCTURAL NOTES 4 & 5, UNLESS NOTED OTHERWISE

**NOTE:**  
THE EXISTING FRAMING SHOWN IS BASED ON LIMITED FIELD DATA. IF DURING DEMOLITION, FRAMING IS SHOWN TO BE DIFFERENT THAN WHAT IS SHOWN ON THIS PLAN, PLEASE CONTACT TE&D IMMEDIATELY.

Engineers and designers do not include construction means, methods, techniques, sequences, procedures or safety precautions. Any deviations or discrepancies on plans are to be brought to the immediate attention of Tynndall Engineering & Design, P.A. Failure to do so will void Tynndall Engineering & Design, P.A. liability.

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CLIENT: JASON BLIE  
 PROJECT: PRITCHETT ADDITION  
 115 FAIRFAX DR. SANFORD, NC

# ROOF PLAN

Project #: DRB2401-0346  
 Date: 10/31/2024  
 Engineered by: VA  
 DWG. Checked By: PAT  
 Scale: SEE PLAN

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| No.       | Date | Remarks |
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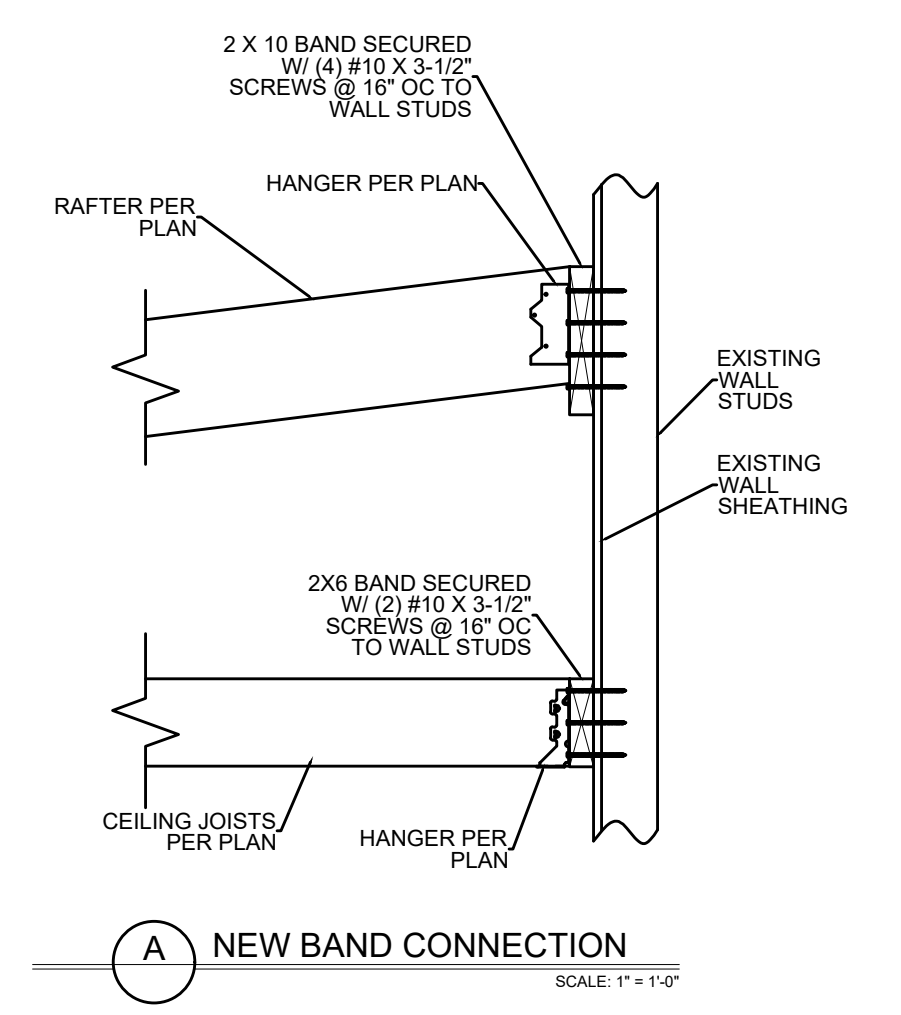
Sheet Number  
**S3**  
 3 of 6

660 SQ. FT. OF ATTIC / 300 = 2.2 SQ. FT. INLETS/OUTLETS REQUIRED

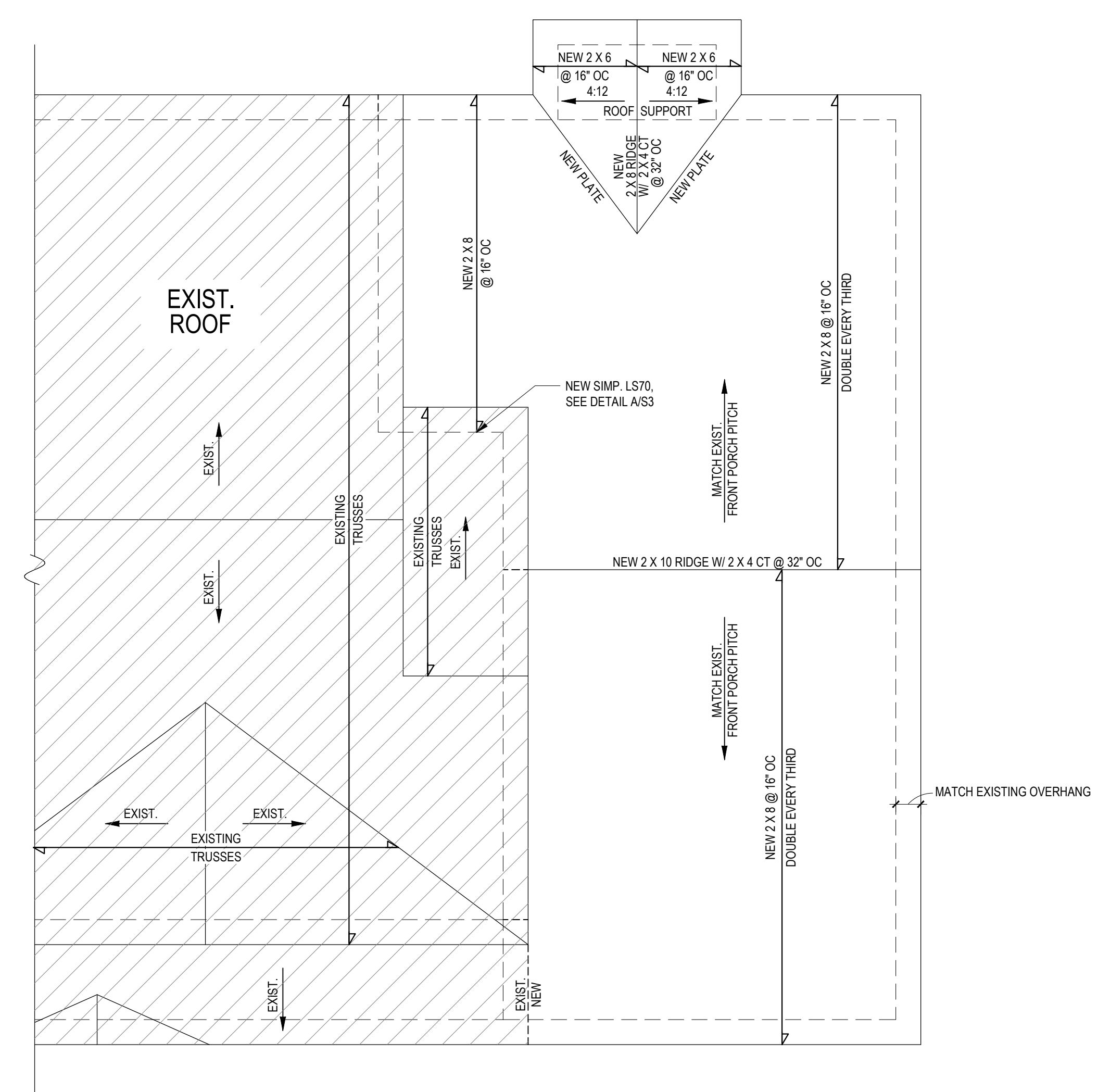
- CALCULATION BASED ON VENTILATORS USED AT LEAST 3' ABOVE THE CEILING VENTS WITH THE BALANCE OF VENTILATION PROVIDED BY EAVE VENTS.
- CATHEDRAL CEILING SHALL HAVE A 1" MINIMUM CLEARANCE BETWEEN THE BOTTOM OF THE ROOF DECK AND THE INSULATION.

**\* ATTIC VENTILATION CALCULATION**

NO SCALE



**NOTE:**  
 THE EXISTING FRAMING SHOWN IS BASED ON LIMITED FIELD DATA. IF DURING DEMOLITION, FRAMING IS SHOWN TO BE DIFFERENT THAN WHAT IS SHOWN ON THIS PLAN, PLEASE CONTACT TE&D IMMEDIATELY.

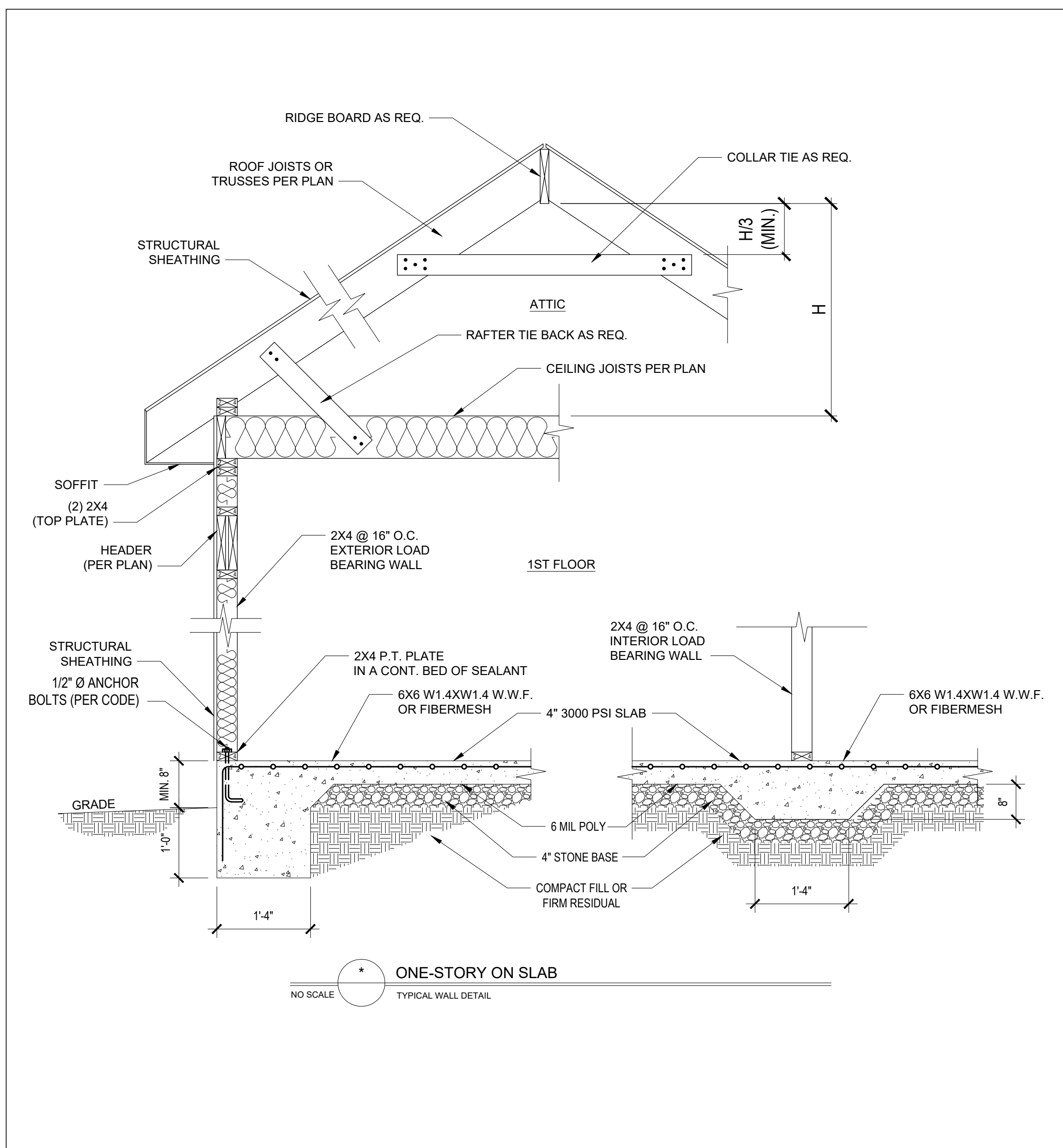
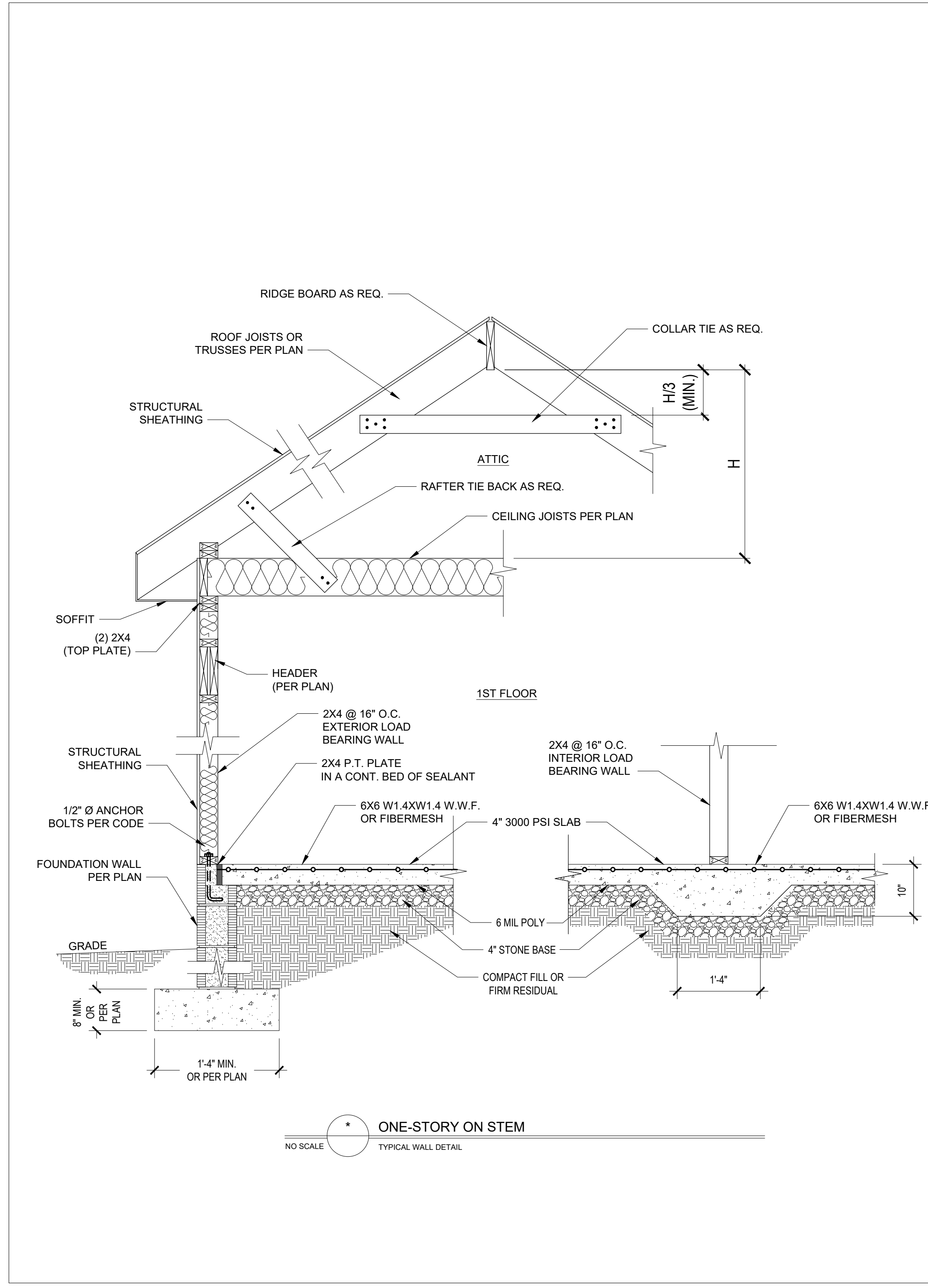


**ROOF PLAN**  
 1/4" = 1'-0"

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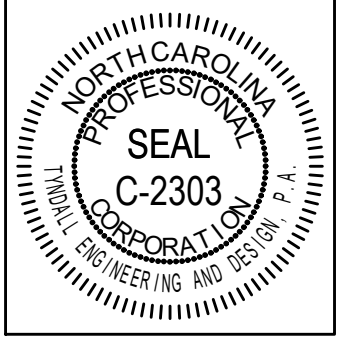
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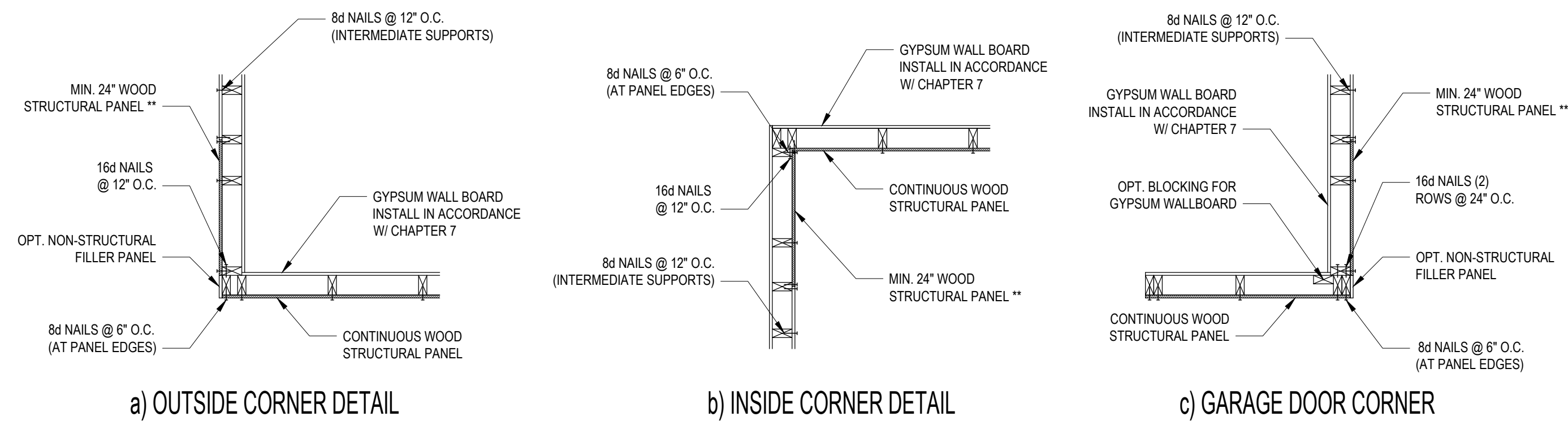
Client: **JASON BUE**  
Project: **PRITCHETT ADDITION**  
Address: **115 FAIRFAX DR. SANFORD, NC**

# STANDARD DETAILS

|                  |              |
|------------------|--------------|
| Project #:       | DRB2401-0346 |
| Date:            | 10/31/2024   |
| Engineered by:   | VA           |
| DWG. Checked By: | PAT          |
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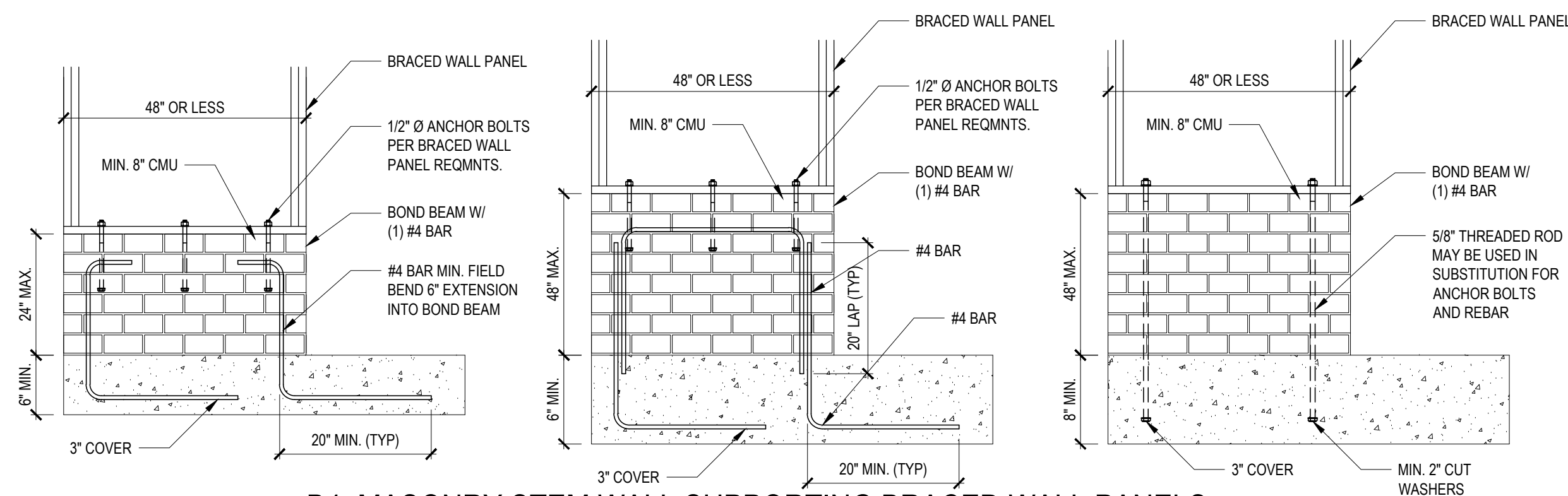
**B1: TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING**  
NO SCALE

**STRUCTURAL SHEATHING NOTES**

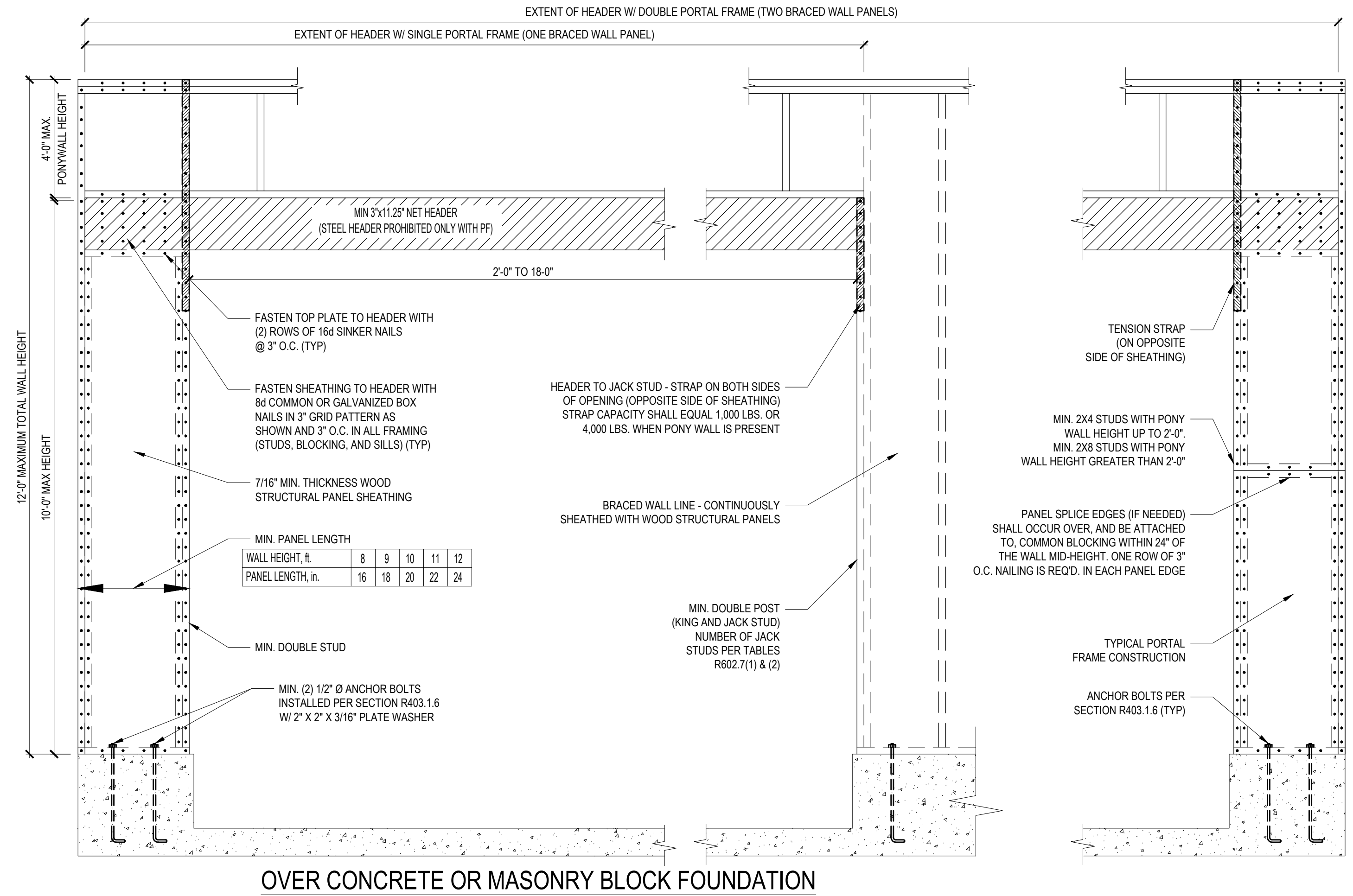
- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10.3 OF THE 2018 NRC.
- BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3 REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
- INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE GB METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (UNO).
- EXTERIOR BRACED WALL PANELS (BWP) SHALL BE CONSTRUCTED IN ACCORDANCE WITH CS-WSP METHOD AS PRESCRIBED IN SECTION R602.10.3 (UNO).
- ALL SHEATHABLE SURFACES OF EXTERIOR WALLS (INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS) SHALL BE CONTINUOUSLY SHEATHED WITH WOOD STRUCTURAL PANEL (WSP) SHEATHING WITH A MINIMUM THICKNESS OF 3/8\"/>

| REQUIRED BRACED WALL PANEL CONNECTIONS |                       |                |                            |                            |
|--|-----------------------|----------------|----------------------------|----------------------------|
| METHOD                                 | MATERIAL              | MIN. THICKNESS | REQUIRED CONNECTION        |                            |
|  |                       |                | @ PANEL EDGES              | @ INTERMEDIATE SUPPORTS    |
| CS-WSP                                 | WOOD STRUCTURAL PANEL | 3/8"           | 6d COMMON NAILS @ 6" O.C.  | 6d COMMON NAILS @ 12" O.C. |
| GB                                     | GYPSUM BOARD          | 1/2"           | 5d COOLER NAIL** @ 7" O.C. | 5d COOLER NAIL** @ 7" O.C. |
| WSP                                    | WOOD STRUCTURAL PANEL | 3/8"           | 6d COMMON NAILS @ 6" O.C.  | 6d COMMON NAILS @ 12" O.C. |

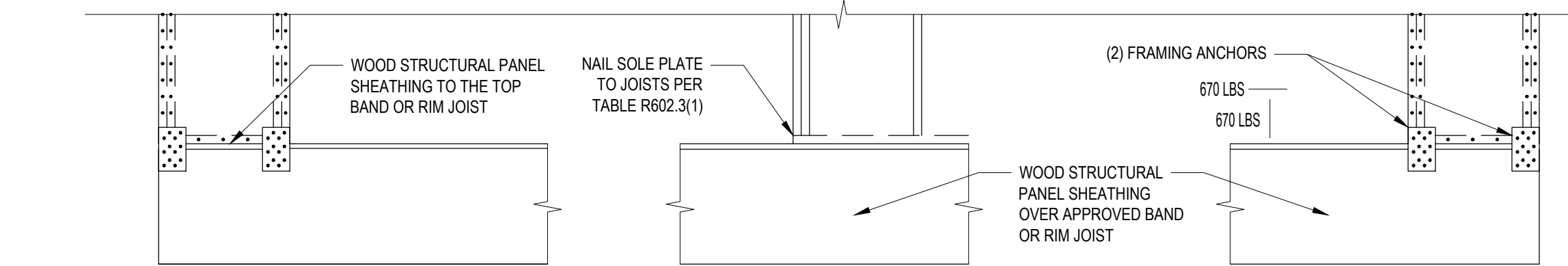
\*\*OR EQUIVALENT PER TABLE R702.3.5  
**B3: BRACE WALL PANEL CONNECTIONS**  
NO SCALE



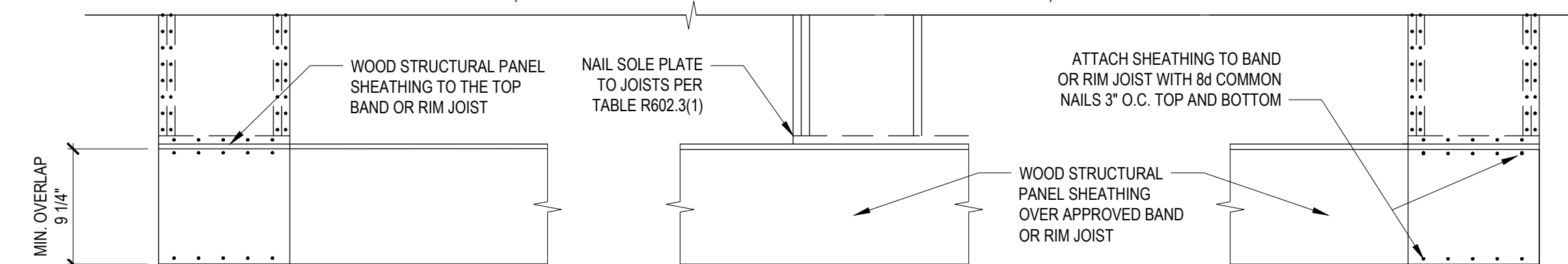
**B4: MASONRY STEM WALL SUPPORTING BRACED WALL PANELS**  
FIGURE R602.10.4.3 OF THE 2018 NRC  
NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS



**OVER CONCRETE OR MASONRY BLOCK FOUNDATION**



**OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION**  
(WHEN PORTAL SHEATHING DOES NOT LAP OVER BAND OR RIM JOIST)



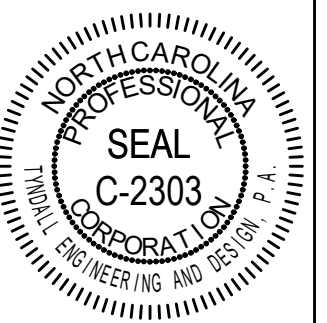
**OVER RAISED WOOD FLOOR - OVERLAP OPTION**  
(WHEN PORTAL SHEATHING LAPS OVER BAND OR RIM JOIST)

**B2: METHOD PF: PORTAL FRAME CONSTRUCTION**  
FIGURE R602.10.1

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919.778.4444 • www.tyndallengineering.com



**JASON BLIE**  
PRITCHETT ADDITION  
115 FAIRFAX DR. SANFORD, NC

**SHEATHING  
DETAILS**

Project #: DRB2401-0346  
Date: 10/31/2024  
Engineered by: VA  
DWG. Checked by: PAT  
Scale: SEE PLAN

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Sheet Number  
**D3**  
6 of 6

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