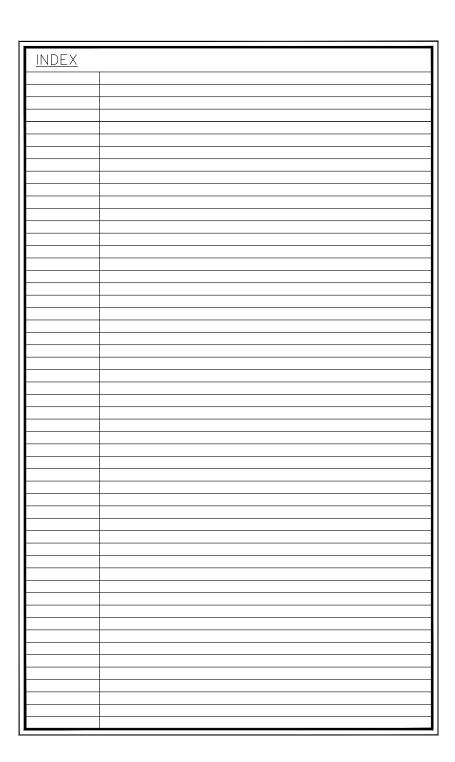
## DEVON-RALE

RALEIGH - LOT 00.0125 THE FARM AT NEILL'S CREEK

(MODEL# 1615)

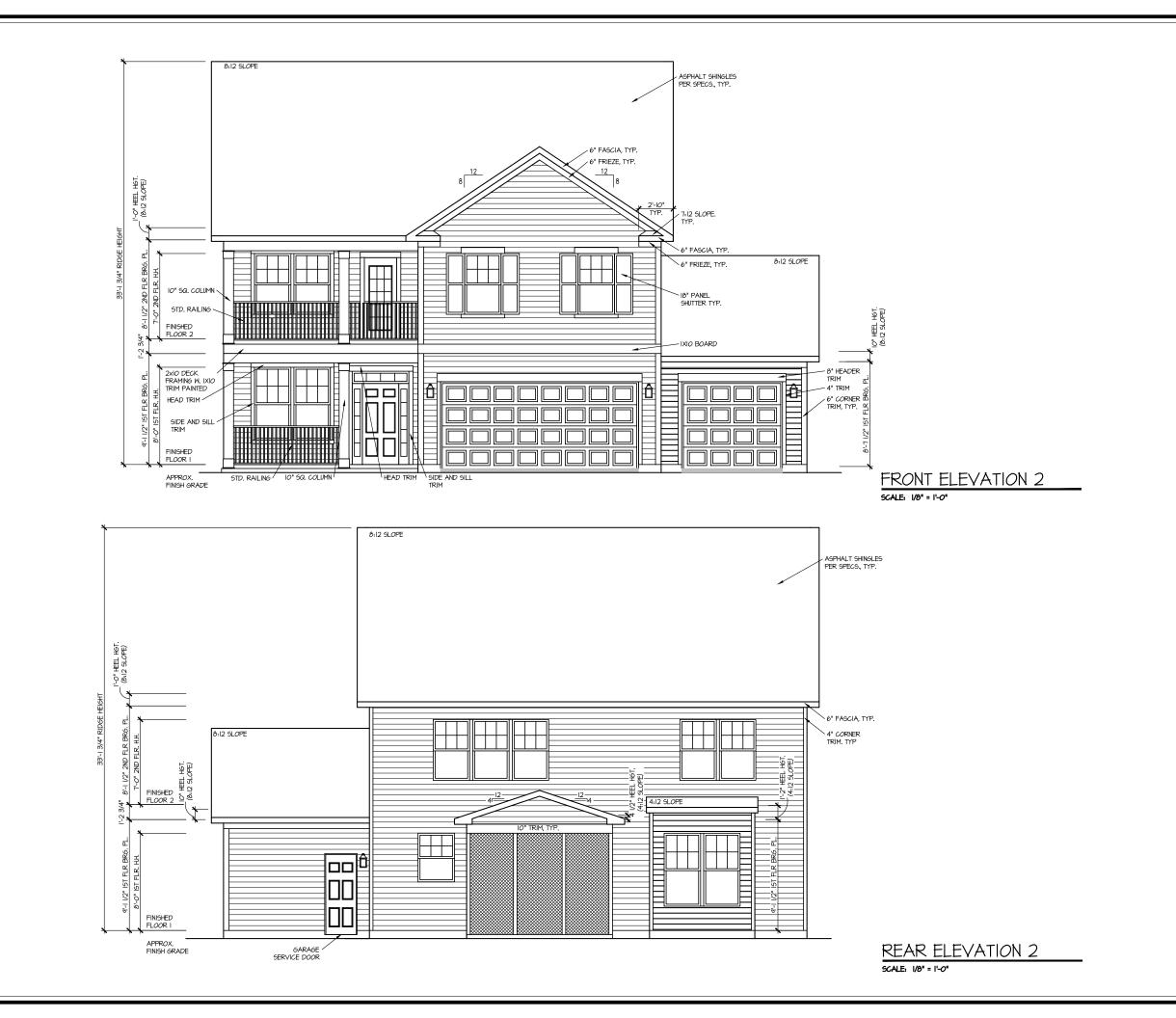
156 WINDING CREEK DR





| <u>AREA CALCULATIONS</u>  |         | COVERED / |           |
|---------------------------|---------|-----------|-----------|
| ELEVATION 2               | HEATED  | UNHEATED  | UNCOVERED |
| FIRST FLOOR               | 1017 SF |           |           |
| GARAGE                    |         | 380 SF    |           |
| FRONT PORCH — ELEVATION 2 |         | 67 SF     |           |
|                           |         |           |           |
| SECOND FLOOR              | 1338 SF |           |           |
| FRONT PORCH               |         | 64 SF     |           |
|                           |         |           |           |
| OPTIONS                   |         |           |           |
| BONUS ROOM                | 561 SF  |           |           |
| SCREEN PORCH              |         | 120 SF    |           |
| 3RD CAR GARAGE            |         | 264 SF    |           |
| BOX BAY WINDOW            | 17 SF   |           |           |
|                           |         |           |           |
|                           |         |           |           |
| TOTAL                     | 2933 SF | 895 SF    |           |
|                           |         |           |           |
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|   | SPECIFIC    |   |
|---|-------------|---|
| 1 | LOT 00.0125 | THE FARM AT NEILL'S CREEK                 |
|   |             | DEVON REV. RALE 3 ELEVATION 2             |
| 2 | ADDRESS     | 156 WINDING CREEK DR LILLINGTON, NC 27546 |
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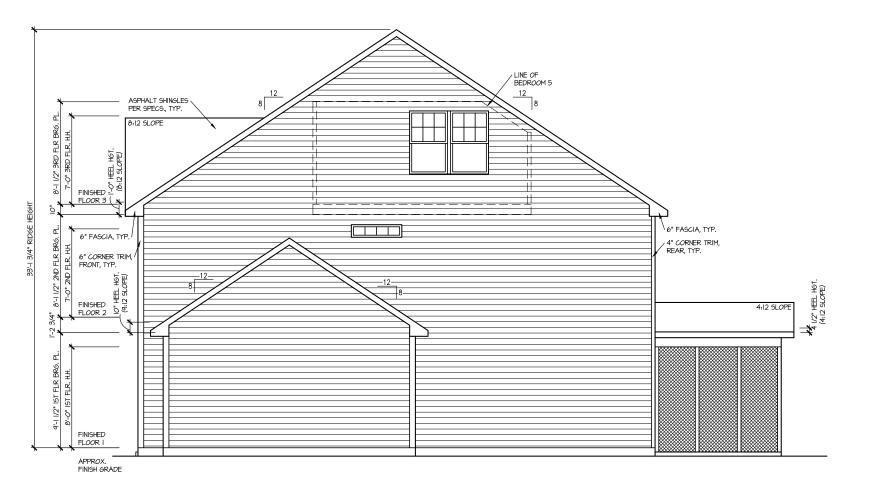
DRAWN BY: ITS DATE: 07/08/2022 PLAN NO. 1615



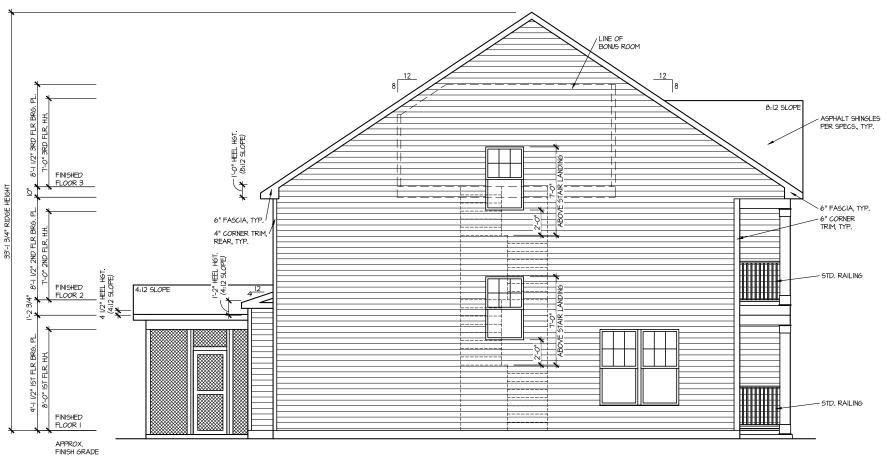
FRONT & REAR ELEVATIONS

HOUSE NAME:
DEVON
DRAWING TITLE

SHEET No.



RIGHT ELEVATION 2



LEFT ELEVATION 2

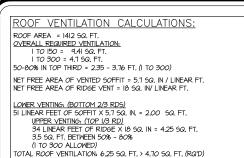
SCALE: 1/8" = 1'-0"

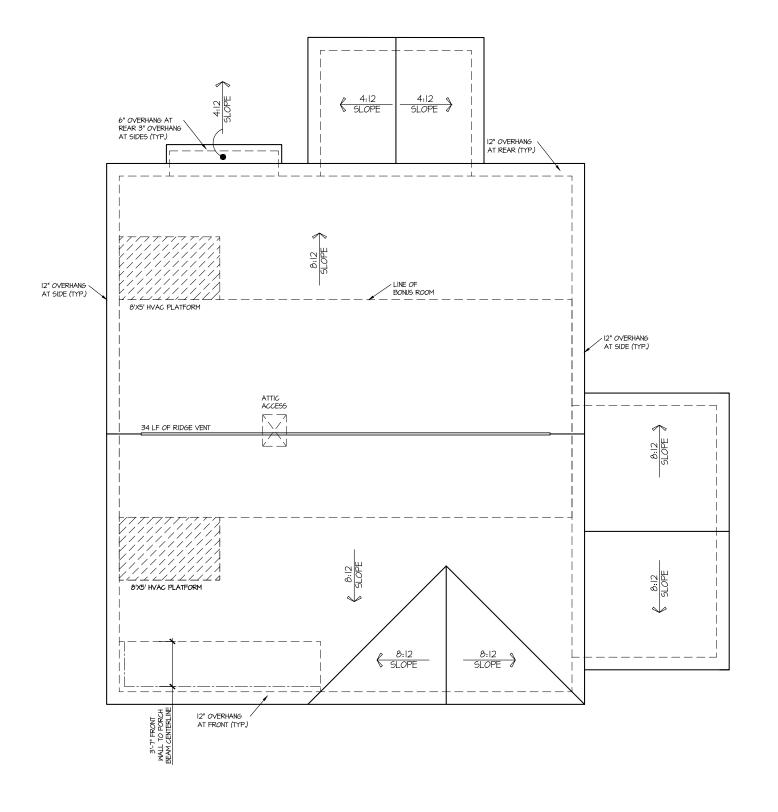
DRAWN BY: DATE: 07/08/2022 PLAN NO. 1615



RIGHT & LEFT ELEVATIONS

HOUSE NAME: DEVON DRAWING TITLE SHEET No.





ROOF PLAN ELEV. 2
SCALE: 1/8" = 1"-0"

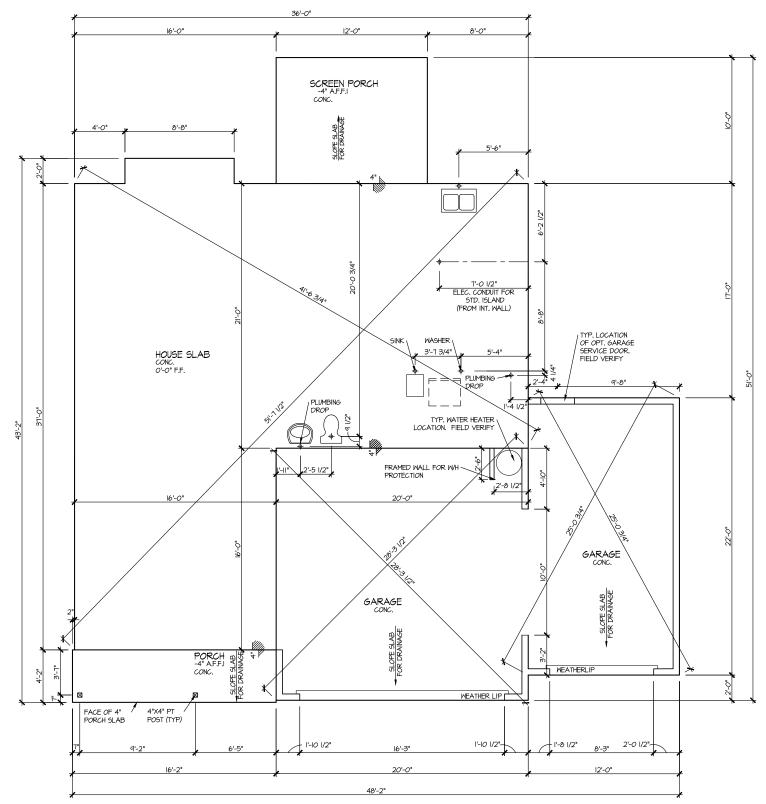
SHEET No. AI.3

ROOF PLAN

HOUSE NAME: DEVON DRAWING TITLE

DRAWN BY:

DATE: 07/08/2022 PLAN NO. 1615



ELEVATION 2 SLAB PLAN SCALE: 1/8" = 1'-0"

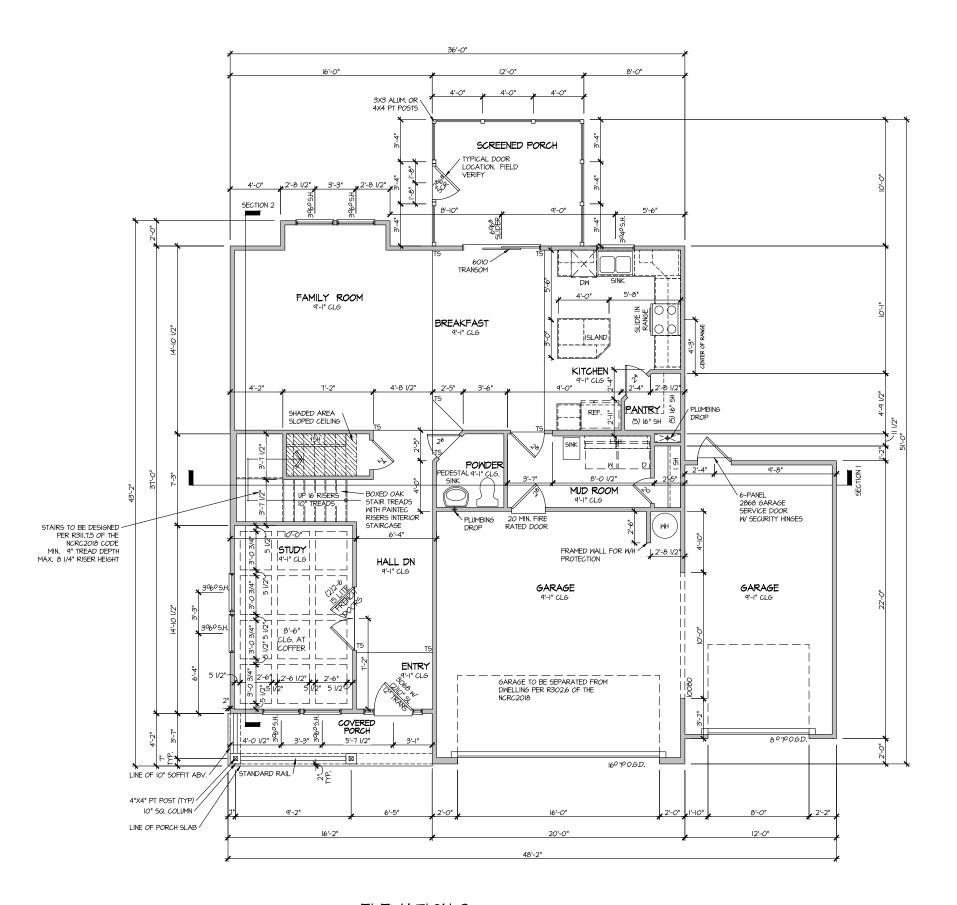
DRAWN BY:

DATE: 07/08/2022 PLAN NO. 1615



SLAB PLAN HOUSE NAME: DEVON DRAWING TITLE

SHEET No. A2.I



ELEVATION 2 FIRST FLOOR PLAN SCALE: 1/8" = 1'-0"

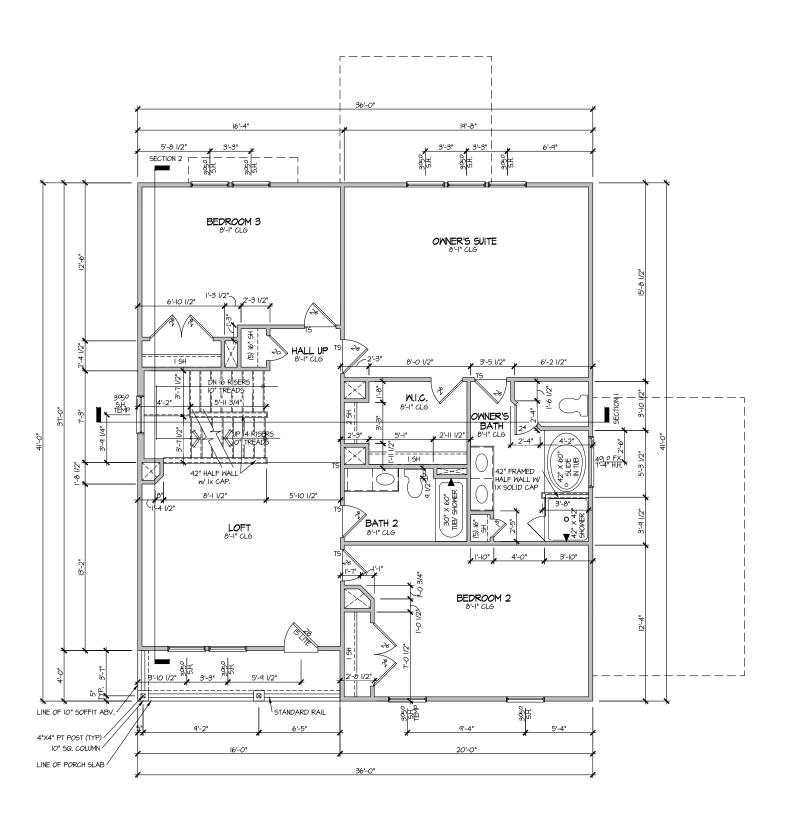
Lot 00.0125.dwg DATE: 7/8/2022 9:28 AM

HOUSE NAME:
DEVON
DRAWING TITLE
FIRST FLOOR PLAN

DRAWN BY:

DATE: 07/08/2022 PLAN NO. 1615

SHEET No. A3.1



ELEVATION 2 SECOND FLOOR PLAN SCALE: 1/8' = 1'-0'

**LE**: Lot 00.0125.dwg DATE: 7/8/2022 9:28 AM

DATE: 07/08/2022

DATE: 07/08/2022

DATE: 07/08/2022

PLAN NO. 1615

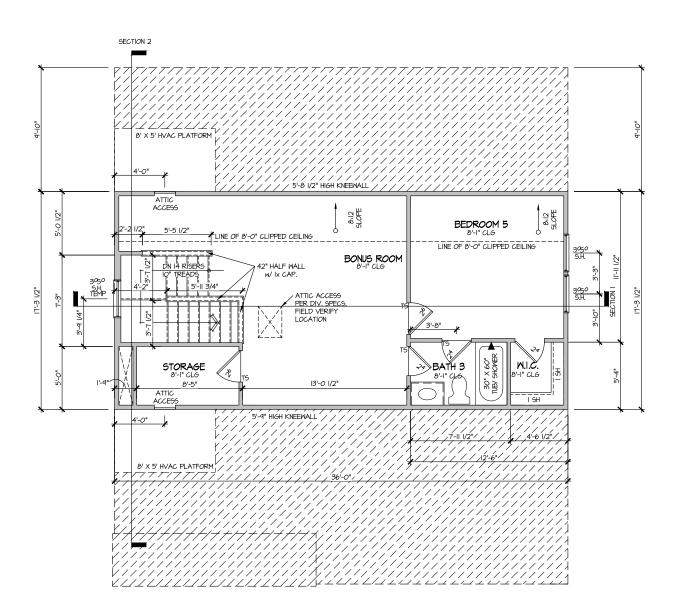


HOUSE NAME:

DEVON
DRAWING TITLE

SECOND FLOOR PLAN

SHEET No. A3.2



ELEVATION 2 THIRD FLOOR PLAN SCALE: 1/8" = 1'-0"

≣ Lot 00.0125.dwg DATE: 7/8/2022 9:28 A

MASTER PLAN INFORMATION

MASTER PLAN INFORMATION

BEVISION DATE:

07/08/2022

PLAN NO.

1615



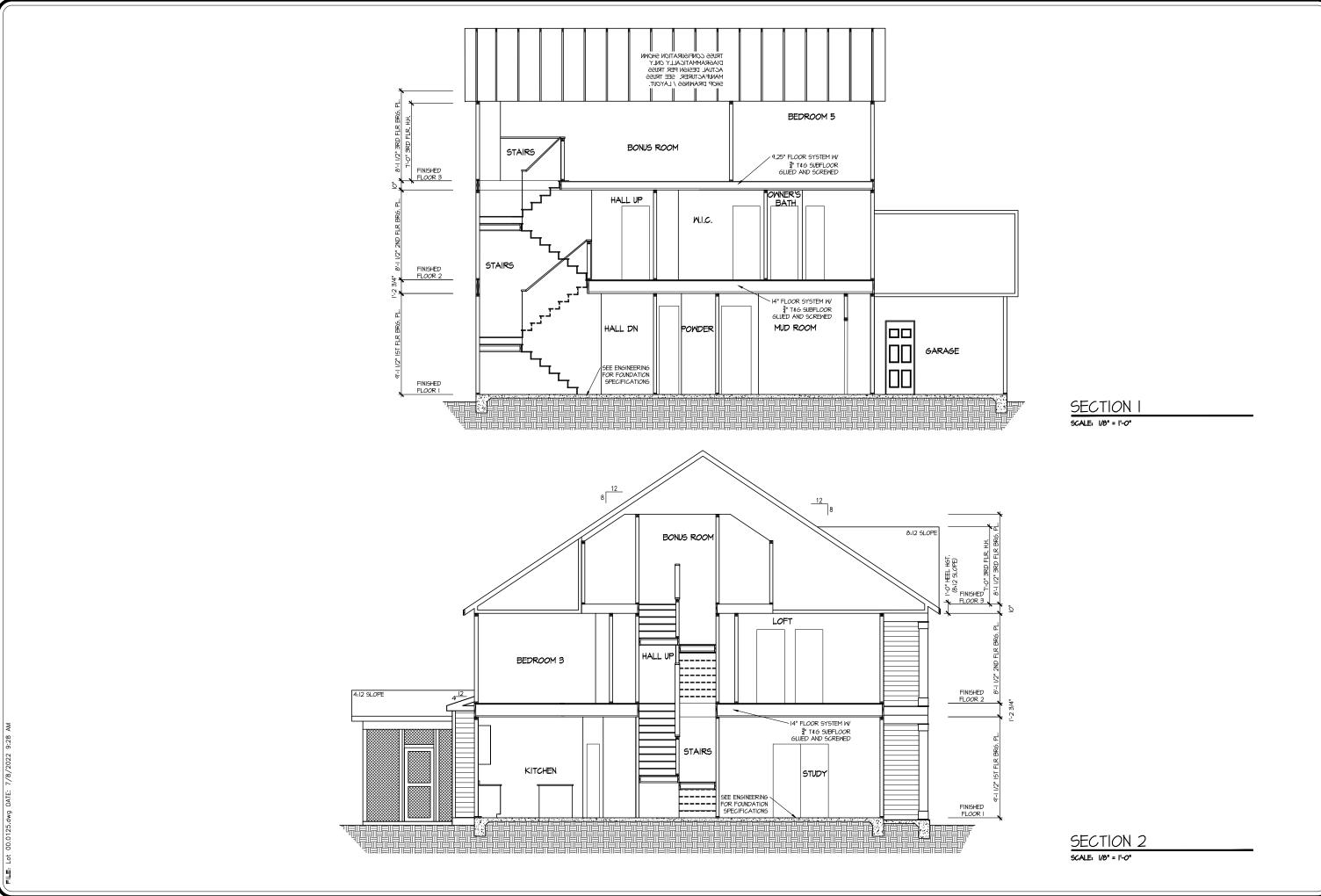
HOUSE NAME:

DEVON

DRAWING TITLE

THIRD FLOOR PLAN

SHEET No. A3.3

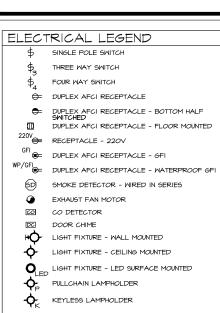




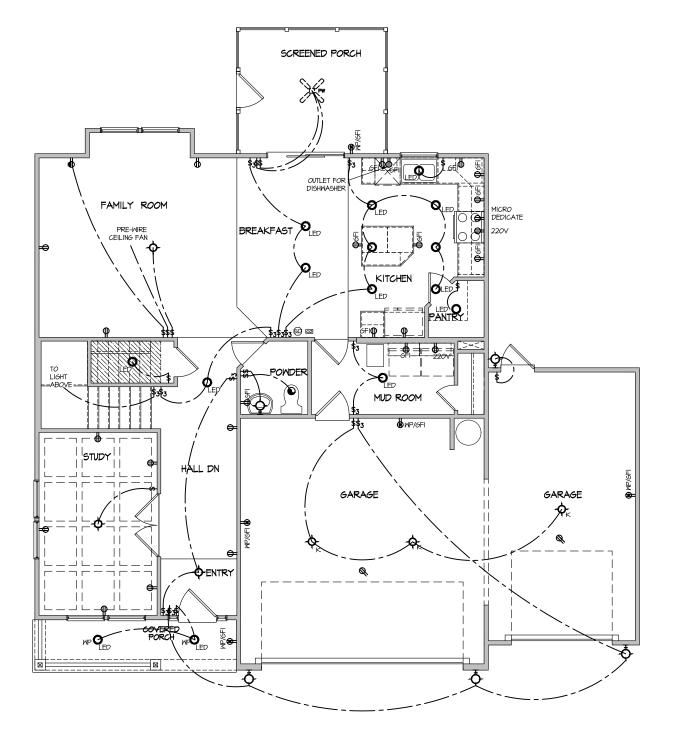
Z

HOUSE NAME:
DEVON
DRAWING TITLE
BUILDING SECTION

SHEET No.



NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND TO ALL APPLICABLE LOCAL REGULATIONS.



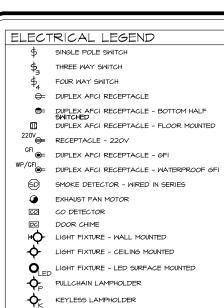
ELECTRICAL PLAN FIRST FLOOR - ELEV. 2

SCALE: 1/8" = 1'-0"

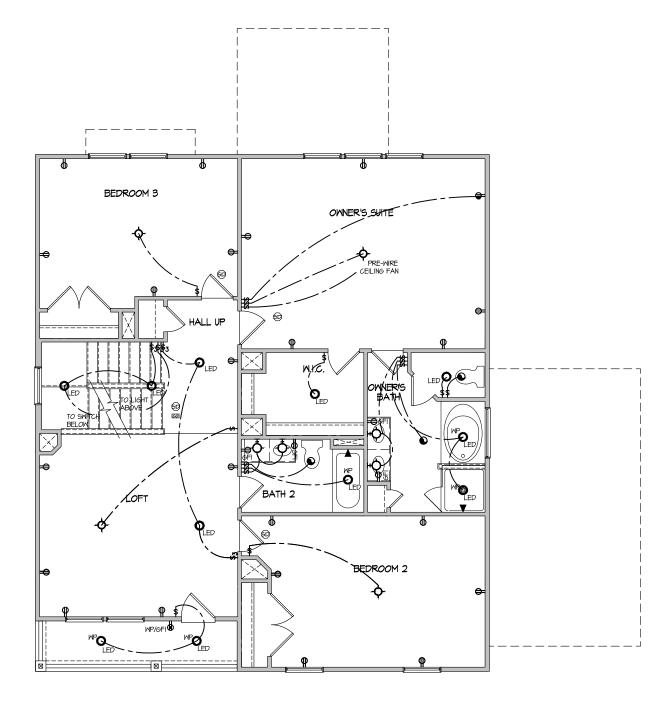
ELECTRICAL FLOOR HOUSE NAME: DEVON DRAWING TITLE SHEET No.

DRAWN BY:

DATE: 07/08/2022 PLAN NO. 1615



NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND TO ALL APPLICABLE LOCAL REGULATIONS.



ELECTRICAL PLAN SECOND FLOOR - ELEV. 2 SCALE: 1/8" = 1'-0"

/ FILE: Lot 00.0125.dwg DATE: 7/8/2022 9:28 AM

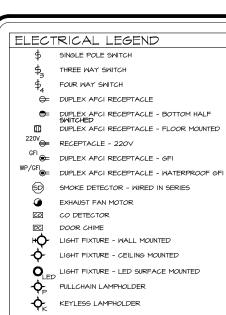
HOUSE NAME:
DEVON
DRAWING TITLE
SECOND FLOOR ELECTRICAL

SHEET No.

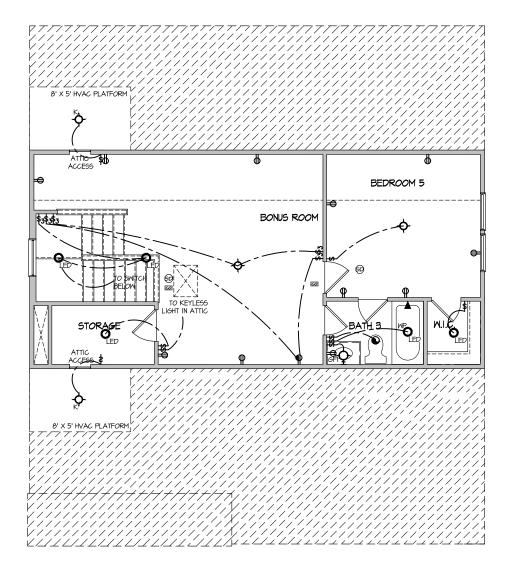
DRAWN BY:

DATE: 07/08/2022 PLAN NO. 1615

EI.2



NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND TO ALL APPLICABLE LOCAL REGULATIONS.



ELECTRICAL PLAN THIRD FLOOR - ELEV. 2

SCALE: 1/8" = 1'-0"

DRAWN BY: DATE: 07/08/2022 PLAN NO. 1615

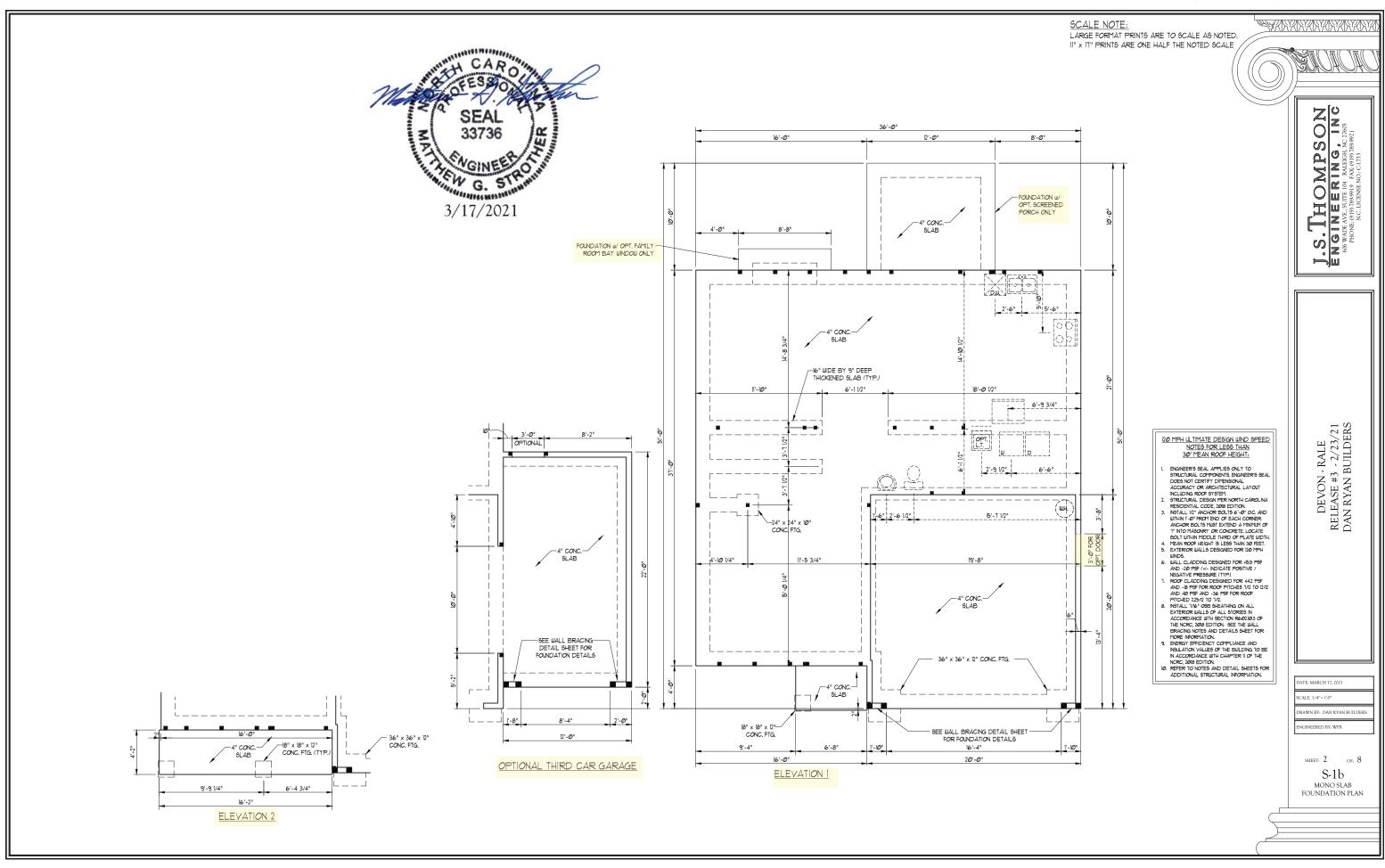


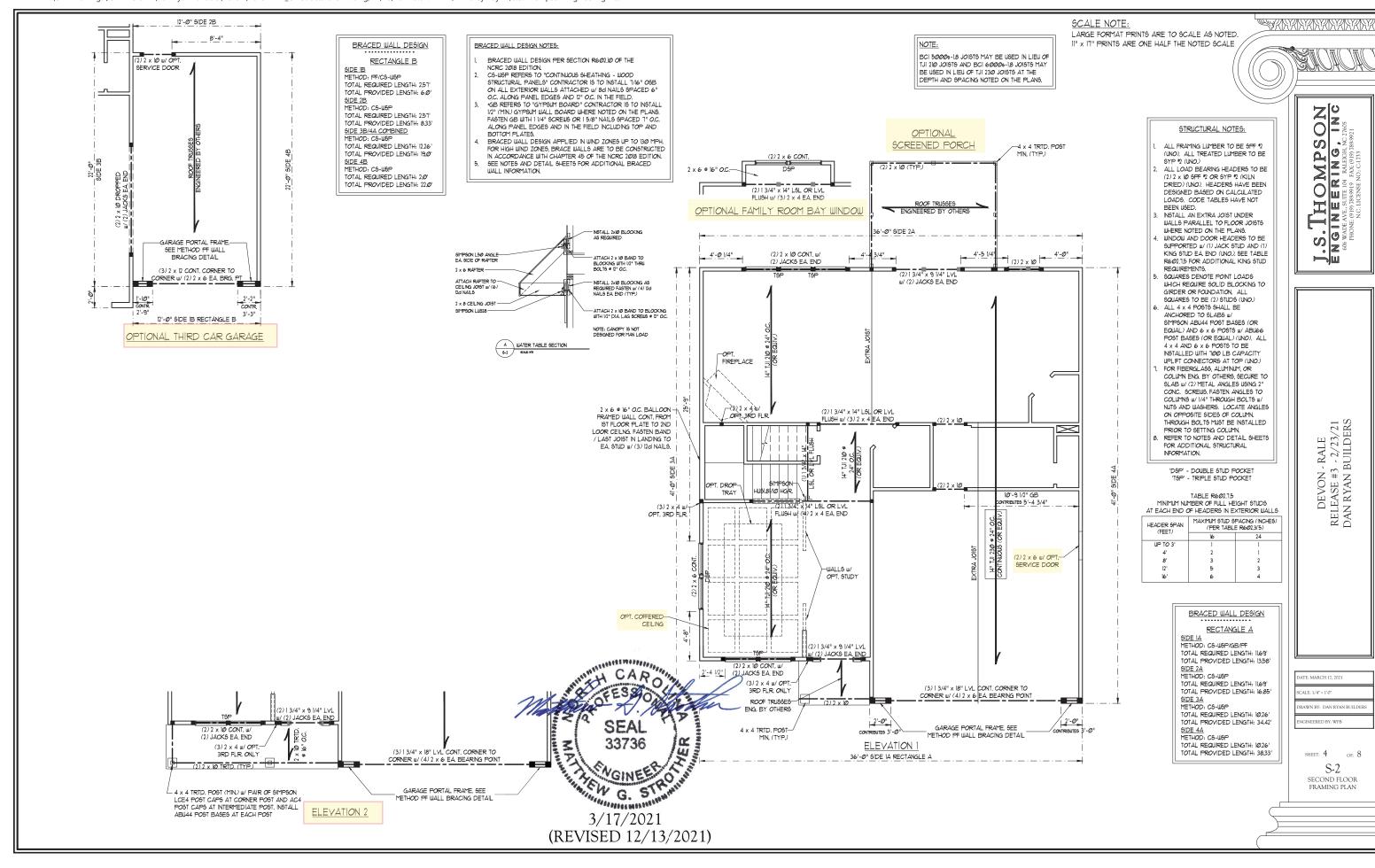
THIRD FLOOR ELECTRICAL

HOUSE NAME:
DEVON
DRAWING TITLE

SHEET No.

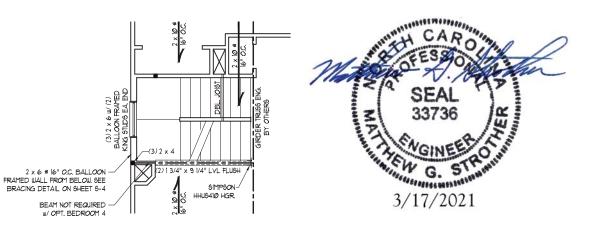
E1.3





LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE

SCALE NOTE:



THIRD FLOOR STAIR OPTION

### BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10 OF THE
- NCRC 2018 EDITION.
  CS-WSP REFERS TO "CONTINUOUS SHEATHING WOOD
  STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/16" 05B ON ALL EXTERIOR WALLS ATTACHED W/8d NAILS SPACED 6"
  O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
  "GB REFERS TO "GYPSUM BOARD" CONTRACTOR 16 TO INSTALL
- 1/2" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED T" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM PLATES.

  BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH.
- FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCRC 2018 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

### NOTE:

- PER SECTION R602.10.3.2 OF THE 2018 NCRC, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
- SHEATH ALL EXTERIOR WALLS WITH 1/16" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

### STRUCTURAL NOTES:

SON SON SE NO 27605

THOMPS

DEVON - RALE RELEASE #3 - 2/23/21 DAN RYAN BUILDERS

- ALL FRAMING LUMBER TO BE 12 SPF
- ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (UNO).
- WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA, END (UNO.), SEE TABLE R602.15 FOR ADDITIONAL KING STUD REQUIREMENTS.
- ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.)
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SQUARES TO BE (2) STUDS (UNO.)
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

'DSP' - DOUBLE STUD POCKET

TABLE R602.15
MINIMUM NUMBER OF FULL HEIGHT STUDS

| _ | AT EACH END C         | JE HEADERS IN E.            | XTERIOR WAL                  |
|---|-----------------------|-----------------------------|------------------------------|
|   | HEADER SPAN<br>(FEET) | MAXIMUM STUD S<br>(PER TABL | PACING (INCHE<br>E R602.3(5) |
|   | (1221)                | 16                          | 24                           |
|   | UP TO 31              | 1                           | 1                            |
|   | 4'                    | 2                           | 1                            |
|   | 8'                    | 3                           | 2                            |
|   | 12'                   | 5                           | 3                            |
|   | 16'                   | 6                           | 4                            |

(2) 2 x 10 CONT (2) 2 x 10 CONT. OPTIONAL 12" RAISED TRAY NOT AVAILABLE W/ 3RD FLOOR NO STRUCTURAL CHANGES W/ OPT 2 x 6 @ 16" O.C. - $\sim$ TILE SHOWER BALLOON FRAMED WALL FROM BELOW WALLS FOR OPT. BEDROOM 4 (2) 2 x 10 CON (3) 2 x 4 III/ OP

- REMOVE CLOSET w/ OPT. DELUXE MASTER BATH (NO STRUCTURAL CHANGES)

ELEVATION 1

DATE: MARCH 17, 2021

GINEERED BY: WFB

DRAWN BY: DAN RYAN BUILDER

SHEET: 5 OF: 8

S-3 ATTIC FLOOR FRAMING PLAN

4 x 4 TRTD. POST (MIN.) w/ PAIR OF -SIMPSON LCE4 POST CAPS AT CORNER POST AND AC4 POST CAPS AT INTERMEDIATE POST, PROVIDE (2) PIECES OF SIMPSON CSI6 COIL STRAPS w/ 9" END LENGTHS TO CONNECT POST TO BAND BELOW. (3) 2 x 4 w/ OPT.

3RD FLR. ONLY

ELEVATION 2

(2) 2 x 10 (TYP.)



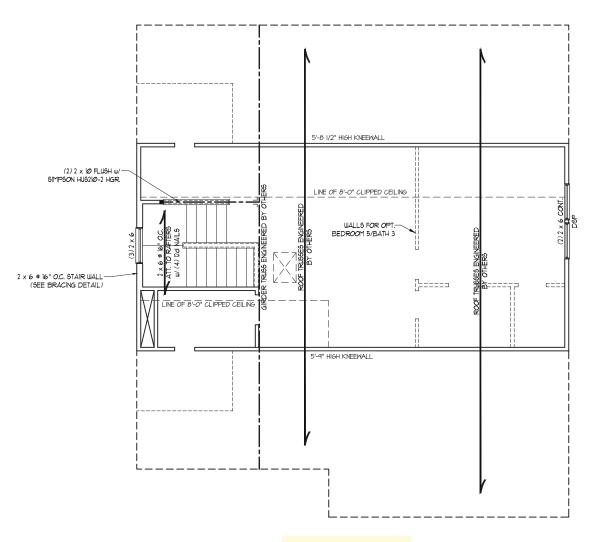
### BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10 OF THE
- BRACED WALL DESIGN FER SECTION REGISTED OF THE
  NCRC 2018 EDITION.
  CS-USP REFERS TO "CONTINUOUS SHEATHING WOOD
  STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/16" OSB
  ON ALL EXTERIOR WALLS ATTACHED W 26 NAILS SPACED 6"
  OC. ALONG PANEL EDGES AND 12" OC. IN THE FIELD.
  GB REFERS TO "SYPSUM BOARD" CONTRACTOR IS TO INSTALL
  COLOR CANDERS WIND BOARD" CONTRACTOR IS TO INSTALL
- GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL IV!" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS, FASTEN GB WITH I IV4" SCREWS OR I 5/8" NAILS SPACED T" OC. ALONG PANEL EDGES AND IN THE HELD INCLUDING TOP AND BOTTOM PLATES, BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH.
- FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCRC 2018 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

### NOTE:

- PER TABLE R602.103 OF THE 2018 NCRC, THE 3RD FLOOR IS CONTAINED HALLE REGISTS OF THE SERVICE WHO WALL BRACING ANALYSIS IS NOT REQUIRED ON THE 3RD FLOOR. IN ADDITION, THE 3RD FLOOR WEED NOT BE CONSIDERED A STORY IN THE FIRST OR SECOND FLOOR WALL BRACING ANALYSIS.

  2. SHEATH ALL EXTERIOR WALLS WITH 1/16" OSB SHEATHING ATTACHED WITH
- 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.



OPTIONAL 3RD FLOOR

### SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE



### STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE 12 SPF
- ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (UNO).
- WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA, END (UNO.), SEE TABLE R602.15 FOR ADDITIONAL KING STUD REQUIREMENTS
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SQUARES TO BE (2) STUDS (UNO.)
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

'DSP' - DOUBLE STUD POCKET

TABLE R602.15

MINIMUM NUMBER OF FULL HEIGHT STUDS

TABLE SHOWN OF HEADERS IN EXTERIOR WALLS

| AT EACH END OF HEADERS IN EXTERIOR WALLS |   |   |  |  |
|--|---|---|--|--|
| HEADER SPAN<br>(FEET)                    |   | M STUD SPACING (INCHES)<br>ER TABLE R602.3(5) |  |  |
| 16 24                                    |   |   |  |  |
| UP TO 3'                                 | 1 | 1   |  |  |
| 4'                                       | 2 | 1   |  |  |
| 8'                                       | 3 | 2   |  |  |
| 12'                                      | 5 | 3   |  |  |
| 16'                                      | 6 | 4   |  |  |

DEVON - RALE RELEASE #3 - 2/23/21 DAN RYAN BUILDERS

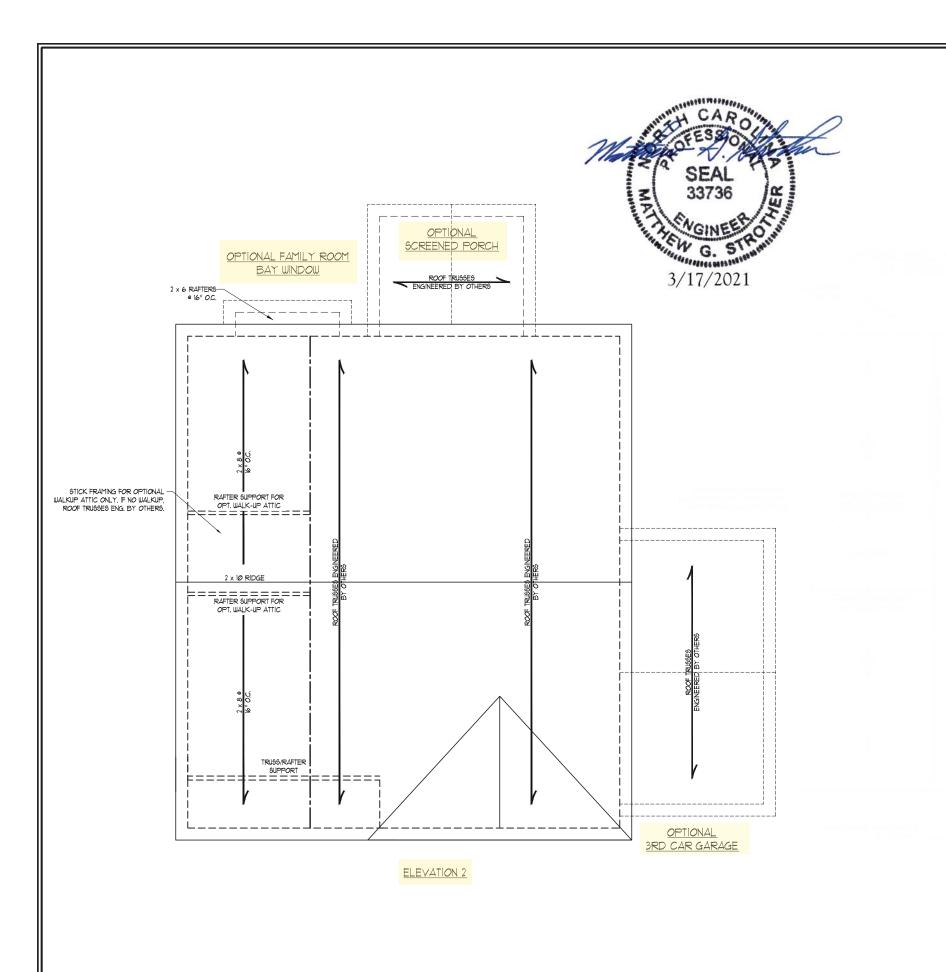
DATE: MARCH 17, 2021

DRAWN BY: DAN RYAN BUILDER

GINEERED BY: WFB

SHEET: 6

S-4 CEILING FRAMING PLAN



SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE

### STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE \*2 SPF (UNO).

  CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF SUPPORT.

  FRAME DORN'ER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.

  HIP SPLICES ARE TO BE SPACED A MIN. OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF IZO MAILS & IS' OC. AND FLAT 2 x IO VALLEY'S OR USE VALLEY TRISSES WITH STRISSES WITH SIMPSON 125 A RUMBERS.

  FASTEN FLAT VALLEY'S TO RAFTERS OR ITASSES WITH SIMPSON 125A HURRICANE TIES 6'
- SIMPSON H2.5A HURRICANE TIES @ 32" O.C. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING. EACH RAFTER IS TO SHEATHING. EACH RAPIER IS TO BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF (6) 12d TOE NAILS. REFER TO SECTION R802.II OF THE 2018 NORC FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND THE 1645E.
- TRUSSES
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

J.S.THOMPSON

ENGINEERING, INC

606 WADDE AVE. SUTE 104 RALEICH, NC 27605
PHONE, (919) 780-2010

DEVON - RALE RELEASE #3 - 2/23/21 DAN RYAN BUILDERS

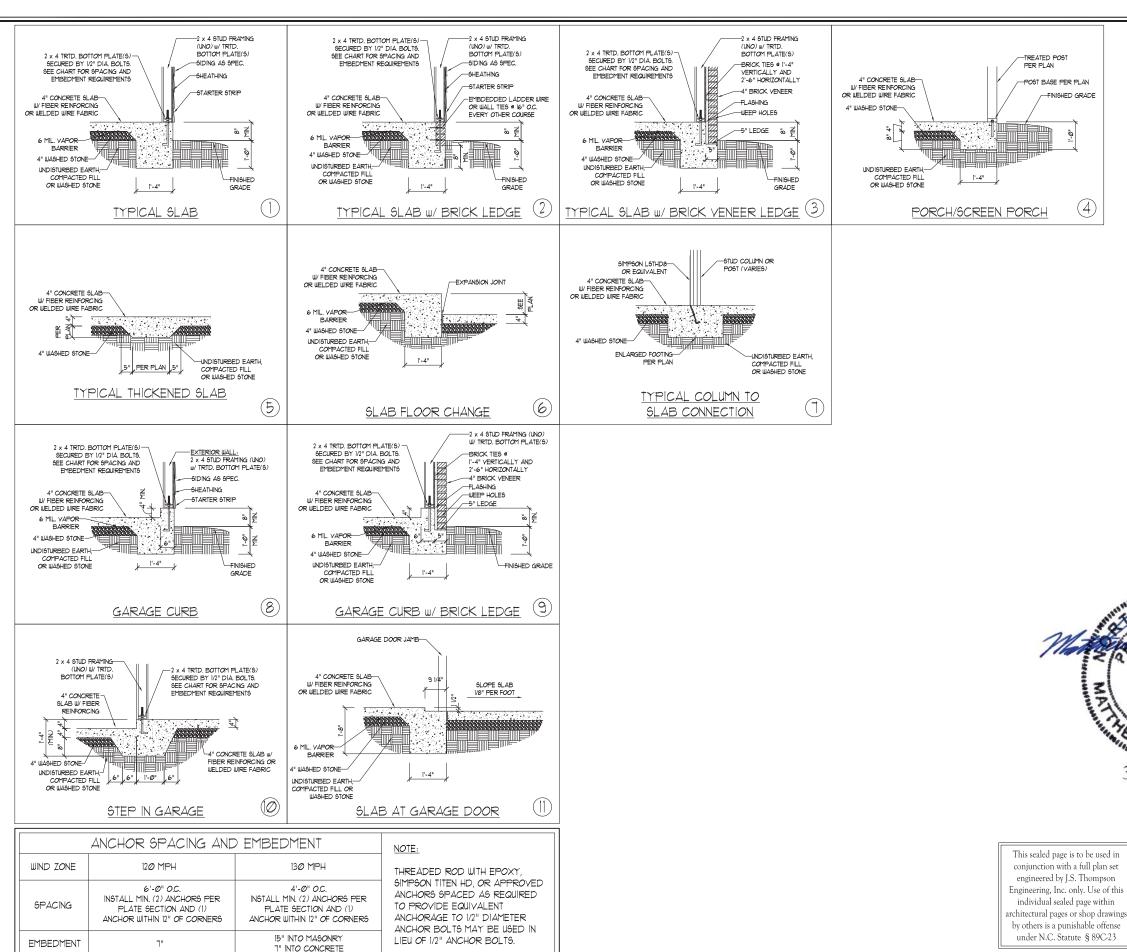
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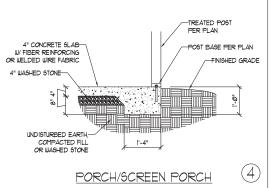
DRAWN BY: DAN RYAN BUILDERS

IGINEERED BY: WFB

SHEET: 7 OF: 8

S-5a ROOF FRAMING PLAN





ഗ HOMPS WADE WADE

MONOLITHIC SLAB FOUNDATION DETAILS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CHAINTER MANAGE

3/17/2021

DRAWN BY: JST

NEERED BY: JST

FOUNDATION DETAILS

130 MPH

4'-0" O.C.

INSTALL MIN. (2) ANCHORS PER

PLATE SECTION AND (1)

ANCHOR WITHIN 12" OF CORNERS

15" INTO MASONRY

1" INTO CONCRETE

NOTE:

THREADED ROD WITH EPOXY,

ANCHORAGE TO 1/2" DIAMETER

TO PROVIDE EQUIVALENT

LIEU OF 1/2" ANCHOR BOLTS.

SIMPSON TITEN HD, OR APPROVED

ANCHORS SPACED AS REQUIRED

ANCHOR BOLTS MAY BE USED IN

ANCHOR SPACING AND EMBEDMENT

120 MPH

6'-0" O.C.

INSTALL MIN. (2) ANCHORS PER

PLATE SECTION AND (1)

ANCHOR WITHIN 12" OF CORNERS

WIND ZONE

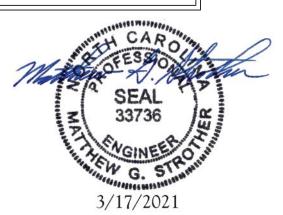
SPACING

**EMBEDMENT** 

| MASONRY STEMWALL SPECIFICATIONS |  |                                       |                                       |                                       |
|---------------------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|
| WALL HEIGHT                     | MASONRY WALL TYPE                          |                                       |                                       |                                       |
| (FEET)                          | 8" CMU                                     | 4" BRICK AND<br>4" CMU                | 4" BRICK AND<br>8" CMU                | 12" CMU                               |
| 2 AND<br>BELOW                  | UNGROUTED                                  | GROUT SOLID                           | UNGROUTED                             | UNGROUTED                             |
| 3                               | UNGROUTED                                  | GROUT SOLID                           | UNGROUTED                             | UNGROUTED                             |
| 4                               | GROUT SOLID                                | GROUT SOLID w/ *4<br>REBAR @ 48" O.C. | GROUT SOLID                           | GROUT SOLID w/ *4<br>REBAR @ 64" O.C. |
| 5                               | GROUT SOLID w/ *4<br>REBAR @ 36" O.C.      | NOT APPLICABLE                        | GROUT SOLID w/ #4<br>REBAR @ 36" O.C. | GROUT SOLID w/ *4<br>REBAR @ 64" O.C. |
| 6                               | GROUT SOLID w/ *4<br>REBAR @ 24" O.C.      | NOT APPLICABLE                        | GROUT SOLID w/ #4<br>REBAR @ 24" O.C. | GROUT SOLID w/ *4<br>REBAR @ 64" O.C. |
| 1 AND<br>GREATER                | ENGINEERED DESIGN BASED ON SITE CONDITIONS |                                       |                                       |                                       |

### STRUCTURAL NOTES:

- 1) WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.
  2) TIE MULTIPLE WYTHES TOGETHER WITH LADDER WIRE AT 16" O.C. VERTICALLY.
- 3) CHART APPLICABLE FOR HOUSE FOUNDATION ONLY, CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COMMON TO HOUSE.
- 4) BACKFILL OF CLEAN \*51 / \*61 WASHED STONE IS ALLOWABLE.
- 5) BACKFILL OF WELL DRAINED OR SAND GRAVEL MIXTURE SOILS (45 PSF/FT BELOW GRADE) CLASSIFIED AS GROUP I ACCORDING TO UNIFIED SOILS CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE 2018 NORTH CAROLINA RESIDENTIAL CODE ARE ALLOWABLE.
- 6) PREP SLAB PER  $\underline{\text{R5062.1}}$  AND  $\underline{\text{R50622}}$  BASE AND  $\underline{\text{EXCEPTION}}$  OF 2018 NORTH CAROLINA RESIDENTIAL CODE.
- MINIMUM 24" LAP SPLICE LENGTH.
- 8) LOCATE REBAR IN CENTER OF FOUNDATION WALL.
- 9) WHERE REQUIRED, FILL BLOCK SOLID WITH TYPE "S" MORTAR OR 3000 PSI GROUT. USE OF "LOW LIFT GROUTING" METHOD REQUIRED WHEN FILLING WALLS WITH GROUT AT HEIGHTS OF 5' AND GREATER.



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HOMPSONE,

S. S. VADI

DRAWN BY: JST

INEERED BY: JST

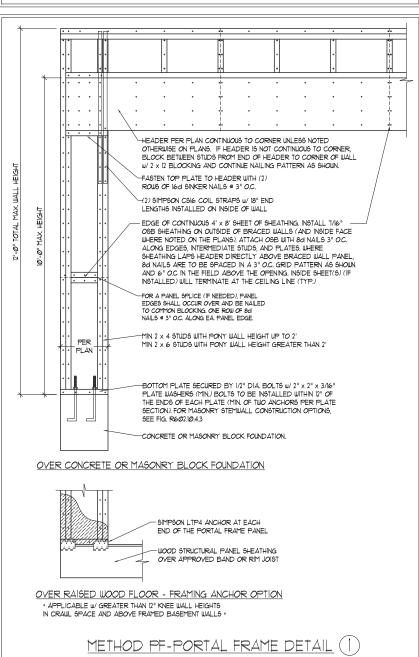
FOUNDATION DETAILS

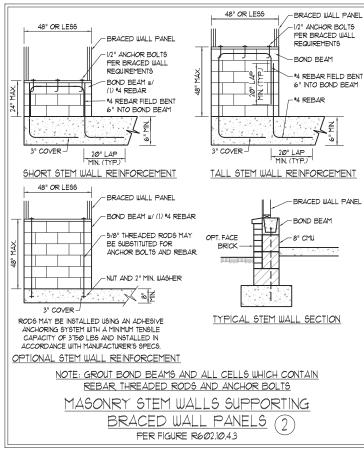
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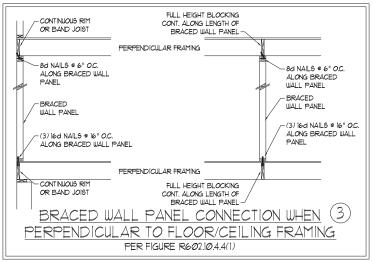
### GENERAL WALL BRACING NOTES:

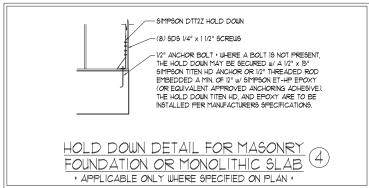
- WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NCRC). TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NORC.
- SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2018 NCRC FOR ADDITIONAL INFORMATION AS NEEDED.
  BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS, INCLUDING STORIES BELOW THE TOP FLOOR, HAVE
- BEEN DESIGNED PER R6Ø235 (3), WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERED PRACTICE. 4 SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS DIMENSIONS HOLD DOWN TYPE AND LOCATIONS BRACED WALL
- LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES OR REQUIREMENTS.
- ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-WSP IN ACCORDANCE WITH SECTION R602 03 UNLESS NOTED
- 6. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED, WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTENED PER TABLE R10/23.5 METHOD GB TO BE FASTENED PER TABLE R6/02/10/1 CS-USP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 1/1/6" OSB
- SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED W/ 6d COMMON NAILS OR 8d (2 1/2" LONG x Ø.113" DIAMETER NAILS SPACED 6" OC. ALONG PANEL EDGES AND 12" OC. IN THE FIELD (UNO.).

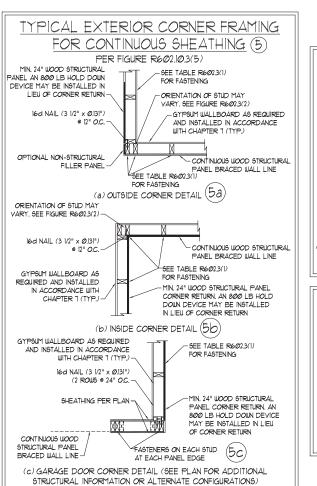
  8. GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 1/2" (MIN.) GYPSUM WALL BOARD IS TO BE INSTALLED ON
- BOTH SIDES OF THE BRACED WALL FASTENED WITH 1/4" SCREWS OR 15/8" NAILS SPACED TOC. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (UNO.). VERIFY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPAIM PRIOR TO CONSTRUCTION FOR INTERIOR FASTENER OPTIONS SEE TABLE R10/35. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R602.3(1). EXTERIOR GB TO BE INSTALLED VERTICALLY
- REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602. 10.3. METHOD C6-W6P CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 ITS ACTUAL LENGTH, AND METHOD PF CONTRIBUTES 15 TIMES ITS ACTUAL LENGTH.

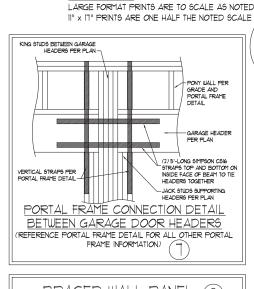












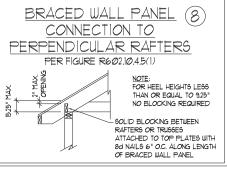


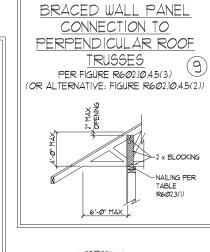
NOTES AND DETAILS

BRACING

WALL

<del>~</del>





BUTTE SORO C STRO EW G. CHEISTER MENTS 3/17/2021

BRACED WALL NOTES DETAILS

BRACED WALL PANEL CONNECTION WHEN 6 PARALLEL TO FLOOR/CEILING FRAMING PER FIG. R602.10.4.4(2) FILL DEIGHT BLOCKING & ADDITIONAL FRAMING 6" O.C. ALONG LENGTH O MEMBER DIRECTLY ABOVE BRACED WALL PANEL BRACED WALL PANEL - CONTINUOUS RIM OR BAND JOIST 8d NAILS @ 6" O.C. ALONG TOE NAIL (3) 8d NAILS AT -8d NAILS @ 6" O.C. ALONG BRACED WALL PANEL EA. BLOCKING MEMBER BRACED WALL PANEL BRACED WALL PANEL -BRACED WALL PANEL BRACED WALL PANEL -(3) 16d NAILS @ 16" O.C. -(3) 16d NAILS @ 16" O.C. -(3) led NAILS @ 16" O.C. AT EA. BLOCKING ALONG BRACED WALL PANEL ALONG BRACED WALL PANEL MEMBER (2) 16d NAILS EA. SIDE FULL HEIGHT BLOCKING @ ADDITIONAL FRAMING ONTINI IO IS PIM .../ EINGER MEMBER DIRECTLY BELOW 16" O.C. ALONG LENGTH OF JOISTS OR DBL. BAND JOIST BRACED WALL PANEL BRACED WALL PANEL

AND DETAILS AND PF

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LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.

II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE

0

### GENERAL NOTES

- I. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO I-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NORC.), 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK, NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NCRC, 2018 EDITION (R301.4 R301.1)

| DESIGN CRITERIA:               | LIVE LOAD (PSF)         | DEAD LOAD (PSF)            | DEFLECTION (IN)                   |
|--------------------------------|-------------------------|----------------------------|-----------------------------------|
| ATTIC WITH LIMITED STORAGE     | 20                      | 10                         | L/240 (L/360 w/ BRITTLE FINISHES) |
| ATTIC WITHOUT STORAGE          | 10                      | 10                         | L/360                             |
| DECK\$                         | 40                      | 10                         | L/360                             |
| EXTERIOR BALCONIES             | 40                      | 10                         | L/36Ø                             |
| FIRE ESCAPES                   | 40                      | 10                         | L/360                             |
| HANDRAILS/GUARDRAILS           | 200 LB OR 50 (PLF)      | 10                         | L/36Ø                             |
| PASSENGER VEHICLE GARAGE       | 5Ø                      | 10                         | L/36Ø                             |
| ROOMS OTHER THAN SLEEPING ROOM | 40                      | 10                         | L/36Ø                             |
| SLEEPING ROOMS                 | 3Ø                      | 10                         | L/36Ø                             |
| STAIRS                         | 4Ø                      | 10                         | L/36Ø                             |
| WIND LOAD                      | (BASED ON TABLE R3Ø1.2) | (4) WIND ZONE AND EXPOSURE | )                                 |
| GROUND SNOW LOAD: Pg           | 20 (PSF)                |                            |                                   |

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
- FLOOR TRUSS SYSTEMS DESIGNED WITH 15 PSF DEAD LOAD
- 4. FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION R403.16 OF THE NCRC, 2018 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION 4504 OF THE NCRC, 2018 EDITION.
- 5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NCRC, 2018 EDITION.

### FOOTING AND FOUNDATION NOTES

- FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
- 2. FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL. REHOVED. FILL MATERIAL, SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILLS HALL BE COMPACTED TO ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEPD 24" FOR CLEAN SAND OR GRAVEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP! A LACCORDING TO THE INDIFFO SOIL CLASSIFICATION SYSTEM IN ACCORDING TO THE INDIFFO.
- 3. PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" I" DEEP CONTROL JOINTS ARE TO BE SAWED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY,
- 4. CONCRETE SHALL CONFORM TO SECTION R4022 OF THE NCRC, 2018 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. WELDED WIRE FABRIC TO BE ASTM A185. MAINTAIN A HIMMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 11/2" IN SLABS. FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 11/2" FOR 15 BARS OR SMALLER, AND NOT LESS THAN 2" FOR 16 BARS OR LARGER.
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL COMFORM TO ASTM CITA
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR WHILLED HOLLOW CONCRETE MASONRY WHITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR S MORTAR PIERS AND WALLS SHALL DE CAPPED WITH 8" OF SOLID WASONRY.
- THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING, EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
- 8. ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION RADA OF THE NCRC, 2019 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TRE6.4- OR ACE 5303/ASCE 51719: 402, MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE RADALIKI), RADALIKI2), RADALIKI3), OR RADALIKI4) OF THE NCRC, 2019 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE RADALIKI5 OF THE NCRC, 2019 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT IS "OC. WHERE GRADE PERMITS (UNO).

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### FRAMING NOTES

- ALL FRAMING LUMBER SHALL BE 12 SPF MINIMUM (Fb = 815 PS), Fv = 315 PS), E = 1600000 PS)) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE 12 SYP MINIMUM (Fb = 915 PS), Fv = 115 PS, F = 1600000 PS)) UNLESS NOTED OTHERWISE (UNO).
- 2. LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fo =2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fo = 2325 PSI, Fv = 310 PSI, E = 18500000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E = 18000000 PSI. PARALLEL STRAND LUMBER (PSL) MORE THAN 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2900 PSI, E = 20000000 PSI. NSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- 3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

A. W AND UT SHAPES: ASTM A992
B. CHANNELS AND ANGLES: ASTM A36
C. PLATES AND BARS: ASTM A36
D. HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B
E. STEEL PIPE: ASTM A53, GRADE B, TYPE E OR S

4. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH (UNO). PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS (UNO).

A. WOOD FRAMING (2) 1/2" DIA, x 4" LONG LAG SCREWS
B. CONCRETE (2) 1/2" DIA, x 4" WEDGE ANCHORS

C. MASONRY (FULLY GROUTED) (2) 1/2" DIA. x 4" LONG SIMPSON TITEN HD ANCHORS

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM w/ (2) ROUS OF SELF TAPPING SCREWS @ 16" O.C. OR (2) ROUS OF 1/2" DIAMETER BO 1X @ 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED w/ (2) ROWS OF 9/16" DIAMETER HOLES @ 16" O.C.

- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SHADED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- 6. ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.1(1) AND R602.1(2) OF THE NCRC, 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (1) KING STUD EACH BND (UNO), WHICHEYER 15 GREATER ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 8d NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (UNO). INSTALL KING STUDS PER SECTION R602.15 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- 1. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERPENDICUL AR TO WALL AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE I 1/2\* MINIMUM BEARING (UNO). ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR PULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (UNO). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
- 8. FLITCH BEAN'S SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A201) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS LOCATED AT 6" PROM EACH END (UND).
- 9. ALL I-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- IØ. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 20/8 EDITION WALL BRACING CRITERIA. THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R602.10.
- II. PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- 2. FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNO). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREWS AT 12" OC. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10" BLOCKING INSTALLED W/ (4) 12" ANALS EA PLY BETWEEN WALL STUDS WITH (2) ROUS OF 1/2" LAG SCREWS AT 12" OC. STAGGERED AND IN ACCORDANCE WITH SECTION RT03.82.1 OF THE NCRC, 2018 EDITION.
- . FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (UNO).
- 14. FOR TRUSSED ROOFS: FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 VALLEYS (UNO).
- ALL 4 × 4 AND 6 × 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED USING ONE SIMPSON HE OR LTSIZ UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 16" SECTION OF SIMPSON CSIG COIL STRAPPING WITH (8) 8d HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.

MPS RING,

F.S.THOMPS
ENGINEERING,
GO WALD PHONE, GUIDSO, 1991, PAK (1991) RS

STANDARD STRUCTURAL NOTES

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SEAL
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STANDARD

3/17/2021

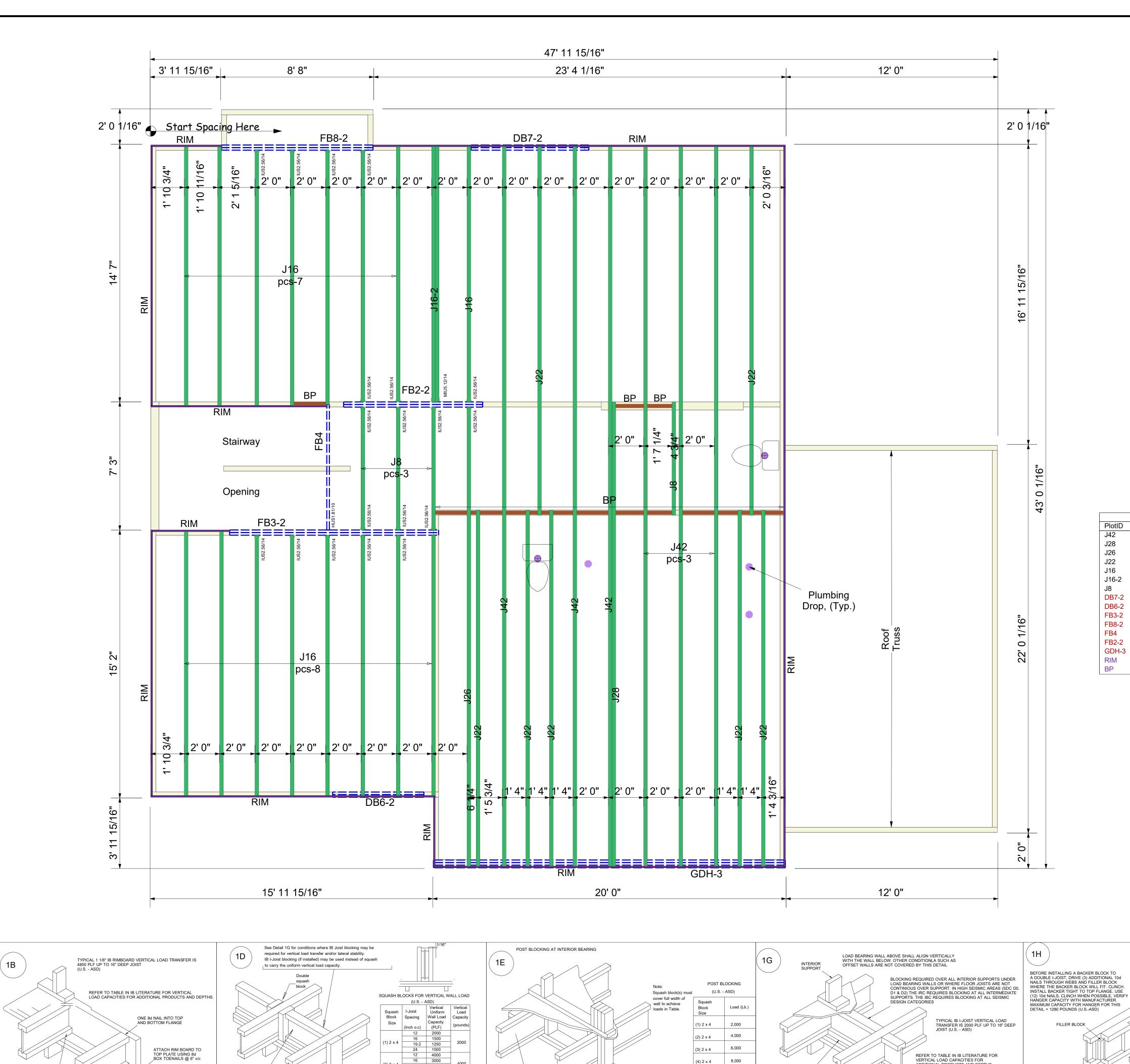
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SHEET:

STRUCTURAL
NOTES



Transfer load from above to bearing below.

be required for uniform vertical and/or

Match bearing area of squash blocks in

floor cavity to size of post above.

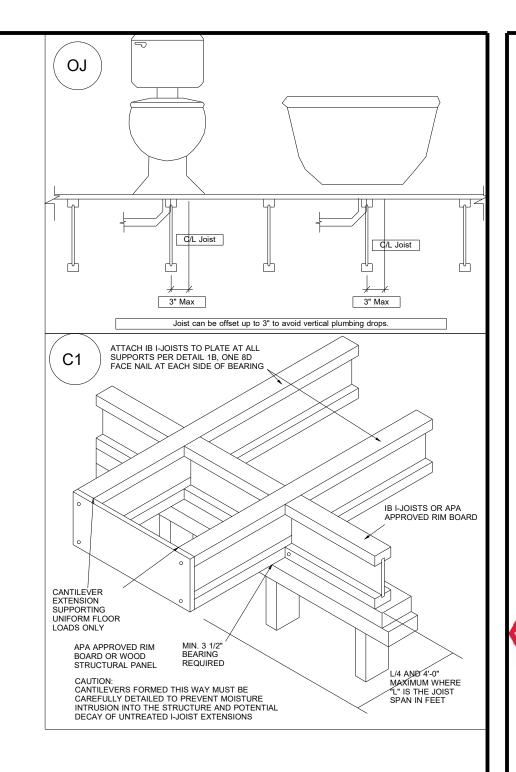
to be cut 1/16" higher

Provide lateral bracing as per detail 1A, 1B or 1C

Squash Block

cover the full width of the wall to achieve load (2) 2 x 6

3,500



Connector Summary

Qty Manuf Product

1 Simpson HUS1.81/10

19 Simpson IUS2.56/14

1 Simpson MIU5.12/14

|        |        | Products                          |       |         |          |
|--------|--------|-----------------------------------|-------|---------|----------|
| PlotID | Length | Product                           | Plies | Net Qty | Fab Type |
| J42    | 42' 0" | 14" PJI-40                        | 1     | 6       | MFD      |
| J28    | 28' 0" | 14" PJI-40                        | 1     | 1       | MFD      |
| J26    | 26' 0" | 14" PJI-40                        | 1     | 1       | MFD      |
| J22    | 22' 0" | 14" PJI-40                        | 1     | 7       | MFD      |
| J16    | 16' 0" | 14" PJI-40                        | 1     | 16      | MFD      |
| J16-2  | 16' 0" | 14" PJI-40                        | 2     | 2       | MFD      |
| J8     | 8' 0"  | 14" PJI-40                        | 1     | 4       | MFD      |
| DB7-2  | 8' 0"  | 2.0 RigidLam DF LVL 1-3/4 x 9-1/4 | 2     | 2       | FF       |
| DB6-2  | 6' 0"  | 2.0 RigidLam DF LVL 1-3/4 x 9-1/4 | 2     | 2       | FF       |
| FB3-2  | 12' 0" | 2.0 RigidLam DF LVL 1-3/4 x 14    | 2     | 2       | FF       |
| FB8-2  | 10' 0" | 2.0 RigidLam DF LVL 1-3/4 x 14    | 2     | 2       | FF       |
| FB4    | 8' 0"  | 2.0 RigidLam DF LVL 1-3/4 x 14    | 1     | 1       | FF       |
| FB2-2  | 8' 0"  | 2.0 RigidLam DF LVL 1-3/4 x 14    | 2     | 2       | FF       |
| GDH-3  | 20' 0" | 2.0 RigidLam DF LVL 1-3/4 x 18    | 3     | 3       | FF       |
| RIM    | 12' 0" | 1 1/8" x 14" APA Rim Board        | 1     | 13      | FF       |
| BP     | 2' 0"  | 14" PJI-40                        | 1     | 11      | FF       |

FOR HANGER CAPACITY SEE HANGER MAUNFACTURES RECOMMENDATIONS. VERIFY DOUBLE IB I-JOIST CAPACITY TO SUPPORT CONCENTRATED LOADS.

\* MINIMUM GRADE FOR BACKER BLOCK MATERIAL SHALL BE UTILITY GRADE SPF OR BETTER

UNLESS TOP-MOUNT HANGER SIDES LATERALLY SUPPORT THE TOP FLANGE, BEARING WEB STIFFENERS SHALL BE USED. BACKER BLOCKS ARE NOT REQUIRED FOR TOP MOUNT HANGERS WITH REACTIONS LESS THAN 250 POUNDS (U.S.-ASI

FACE-MOUNT HANGERS SHALLOWER THAN THE JOIST DEPTH SHALL HAVE FULL DEPTH BEARING WEB STIFFENERS AND SHALL HAVE SIDE FLANGES AT LEAST 60% OF THE JOIST DEPTH.

BACKER BLOCK REQUIRED BOTH SIDES FOR FACE MOUNT HANGERS SEE HANGER MANUFATURED INSTALL DETAILS

ALL NAILS SHOWN IN THESE DETAILS TO BE COMMON NAILS UNLESS OTHERWISE NOTED. 10d BOX MAILS MAY BE SUBSTITUTED FOR K SOLID UNDER ALL POST /POINT LOADS I ABOVE - TYPICAL AT ALL LOCATIONS

### 2nd Floor I-Joist

DRAWING SCALE: NTS

BBO = Beam by Others

**PBO** = Post by Others **GBO** = Girder by Others

**J** = I-Joist

FB = Flush Beam

**DB** = Dropped Beam

**BP** = Blocking Panels

SB = Squash Blocks

DATE BY
07.12.22 RKW

**ACEMENT** 

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Creek

Neills

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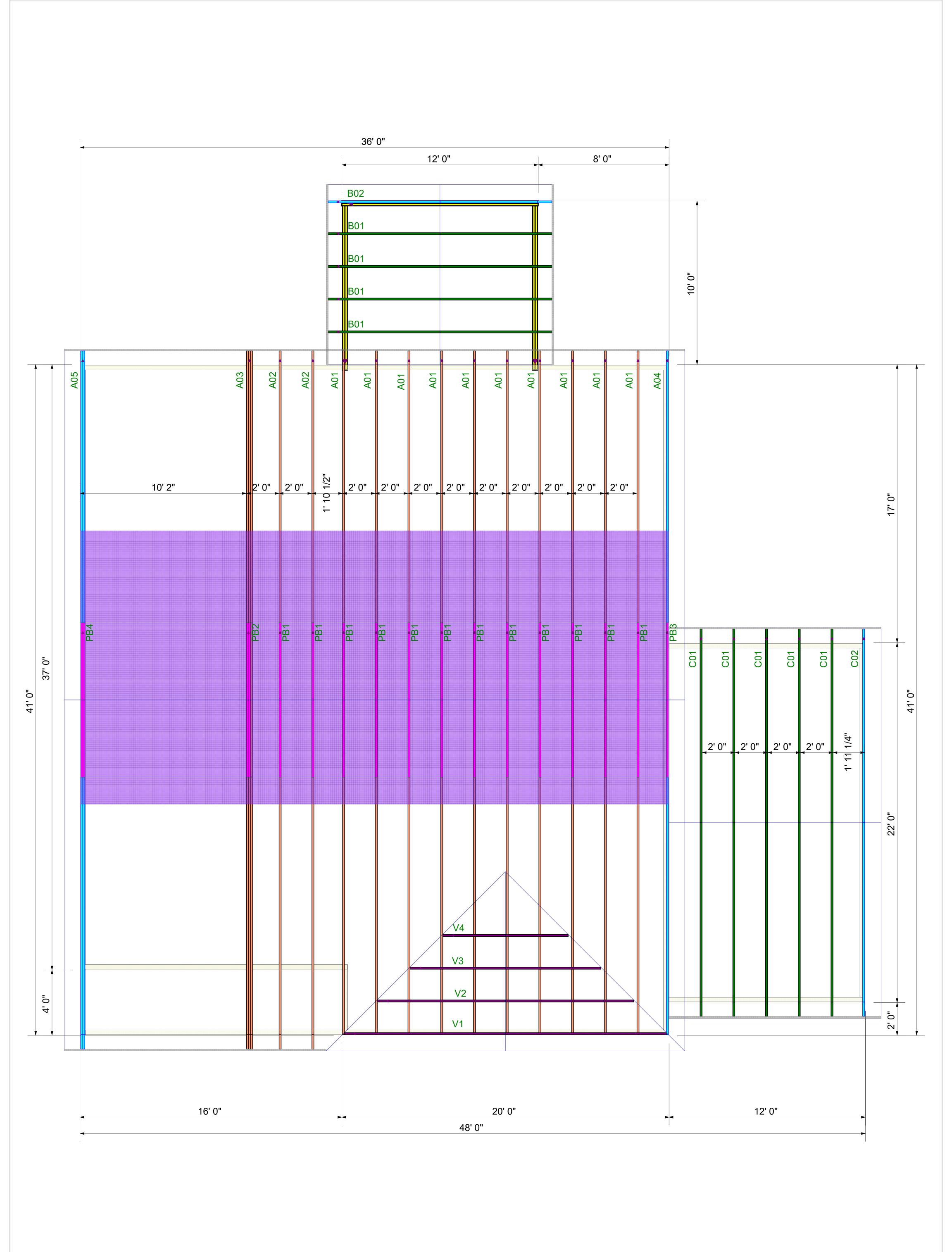
OOR

2nd

Homes

DRB

22070021
SHEET NUMBER



# ROOF LAYOUT DRAWING SCALE: NTS

| PROJECT NUMBER REVISIONS |  |         | SIONS |
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| 22070021                 |  | DATE    | BY    |
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| AIA                      |  |         |       |
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|                          |  |         |       |

DRB GROUP
DEVON 2 - 125 FARM AT NEILLS CREEK
ROOF TRUSS LAYOUT

