

TOUSEDED WORKS CO

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THE

GRACELYN 2024-A

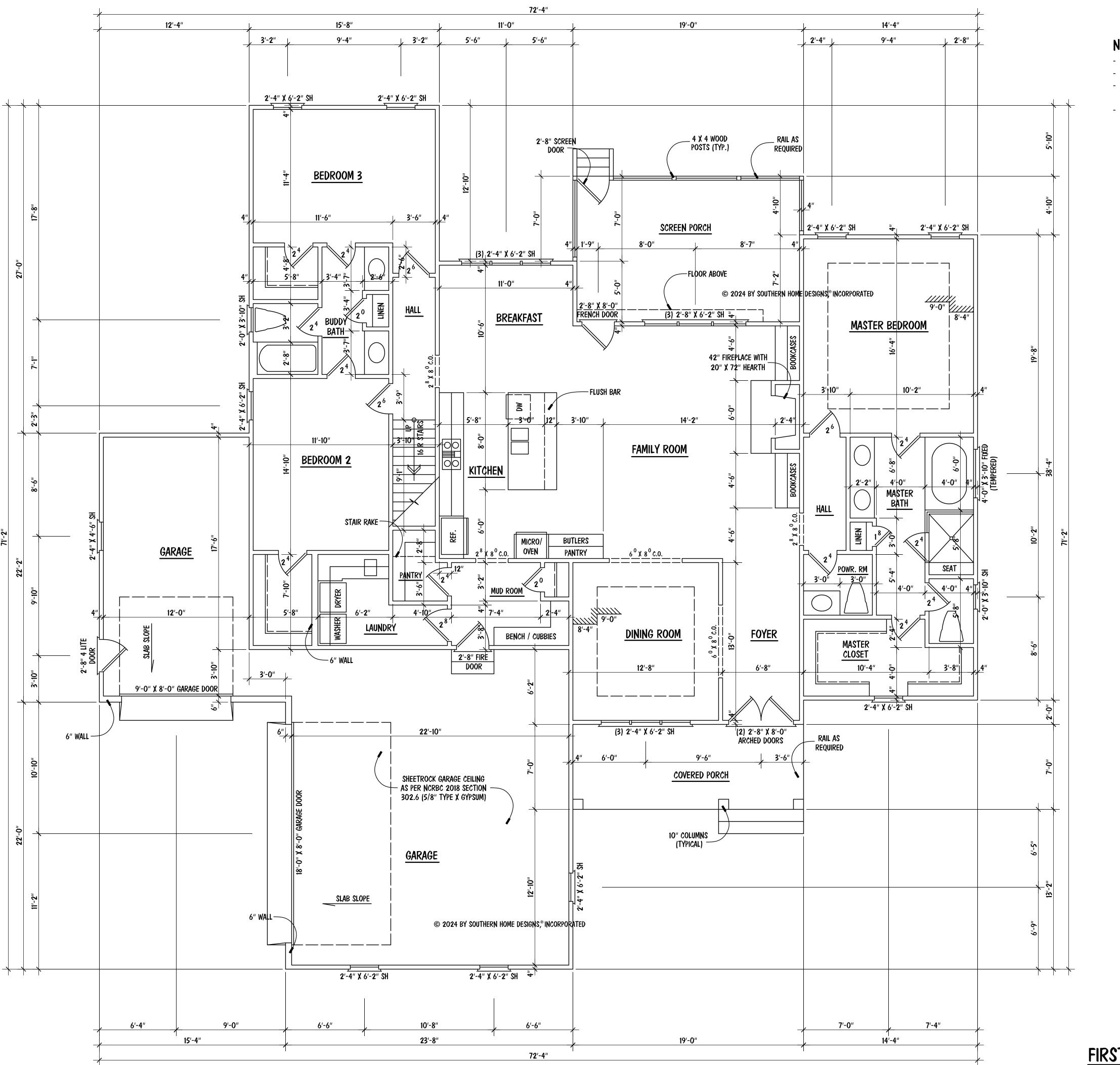
LOT 52 COTTON FARMS

CIALTY CONTRACTING INC

ENGR. #:

DATE: 08-26-24 SHEET: A-1

PLAN #: 24-082624



# **NOTES:**

- 9'-0" CEILING HGT. (TYP.) U.N.O.
- SET WINDOWS @ 8'-0" A.F.F. (TYP.) U.N.O
- SET WINDOWS IN MASTER BATH TOILET & BUDDY BATH @ 7'-4" A.F.F.
- STAIRS: UP 16 R (TYP.), 1ST FLOOR TO 2ND FLOOR

SQUARE FOOTAGE FIRST FLOOR 2240 SECOND FLOOR 699 TOTAL 2939 MISCELLANEOUS 908 FRONT PORCH 133

224

1295

SCREEN PORCH

MECH. / STOR.

# FIRST FLOOR PLAN

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

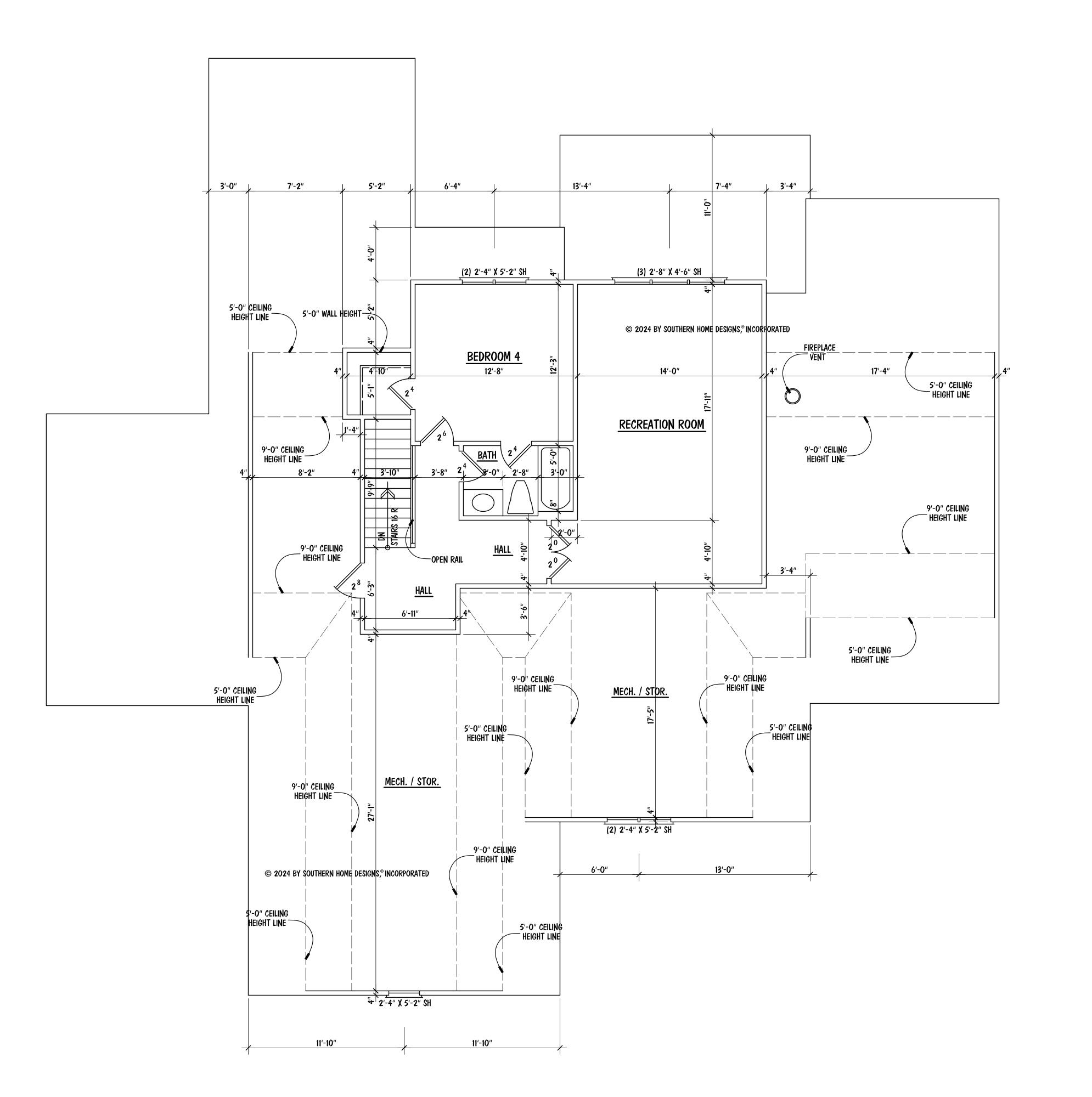
DATE: 08-26-24 SHEET: A-2 PLAN #: 24-082624

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THE GRACELYN 2024-A LOT 52 COTTON FARMS

Southern

ENGR. #:



- 9'-0" CEILING HGT. (TYP.) U.N.O.
- SET WINDOWS @ 7'-4" A.F.F. (TYP.) U.N.O
- STAIRS: DN 16 R (TYP.), 2ND FLOOR TO 1ST FLOOR

NOTES:

Southern

THE GRACELYN 2024-A LOT 52 COTTON FARMS

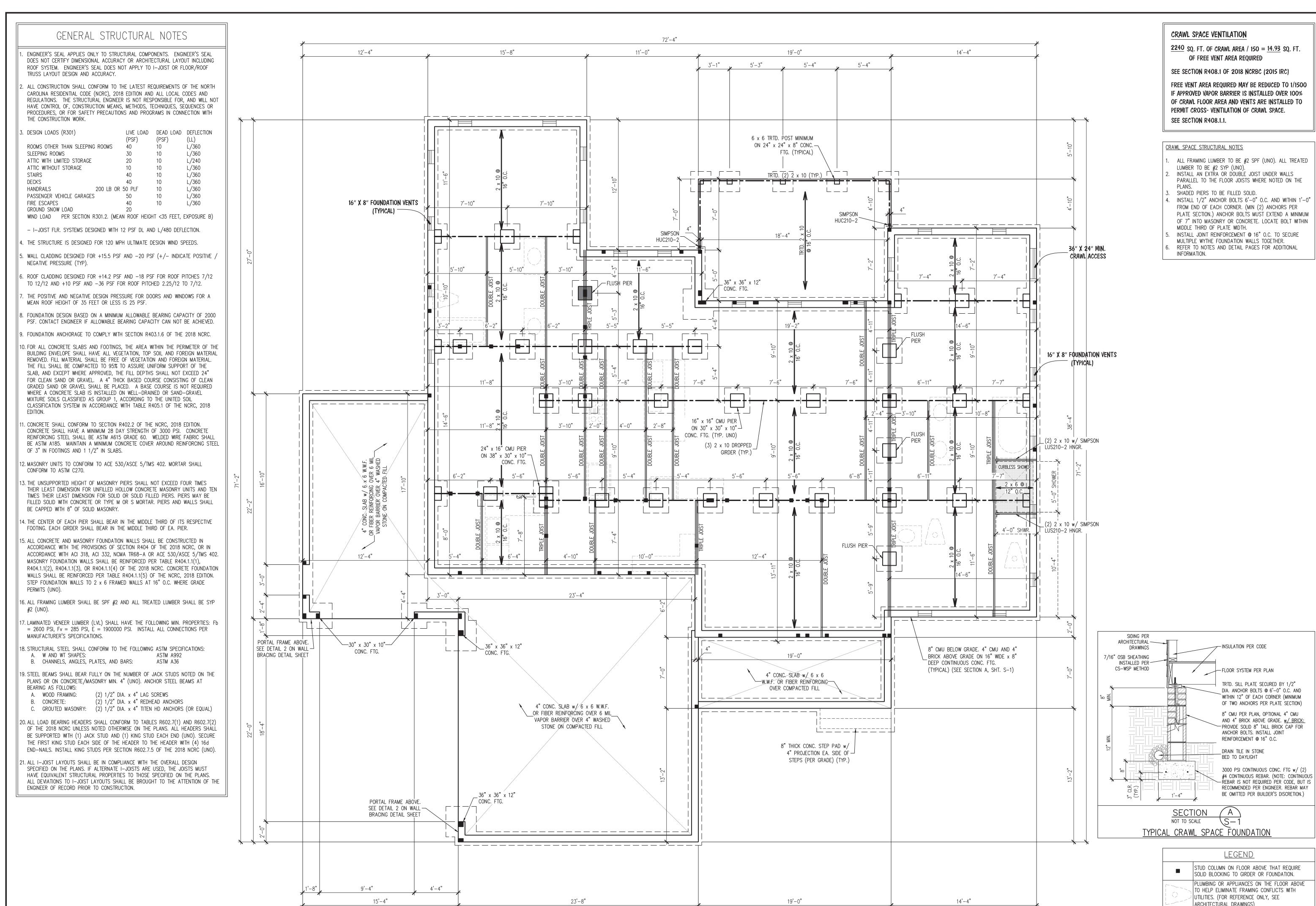


ENGR. #:

DATE: 08-26-24 SCALE: 1/4" = 1'-0" SHEET: A-3

PLAN #: 24-082624

SECOND FLOOR PLAN



72'-4"

CRAWL SPACE VENTILATION

2240 SQ. FT. OF CRAWL AREA / 150 = 14.93 SQ. FT.

FREE VENT AREA REQUIRED MAY BE REDUCED TO 1/1500 IF APPROVED VAPOR BARRIER IS INSTALLED OVER 100% OF CRAWL FLOOR AREA AND VENTS ARE INSTALLED TO PERMIT CROSS- VENTILATION OF CRAWL SPACE.

- ALL FRAMING LUMBER TO BE #2 SPF (UNO). ALL TREATED
- INSTALL AN EXTRA OR DOUBLE JOIST UNDER WALLS PARALLEL TO THE FLOOR JOISTS WHERE NOTED ON THE
- SHADED PIERS TO BE FILLED SOLID. INSTALL 1/2" ANCHOR BOLTS 6'-0" O.C. AND WITHIN 1'-0"
- MIDDLE THIRD OF PLATE WIDTH. INSTALL JOINT REINFORCEMENT @ 16" O.C. TO SECURE
- REFER TO NOTES AND DETAIL PAGES FOR ADDITIONAL

NEW BEAM OR GIRDER AS NOTED

(UNO) UNLESS NOTED OTHERWISE

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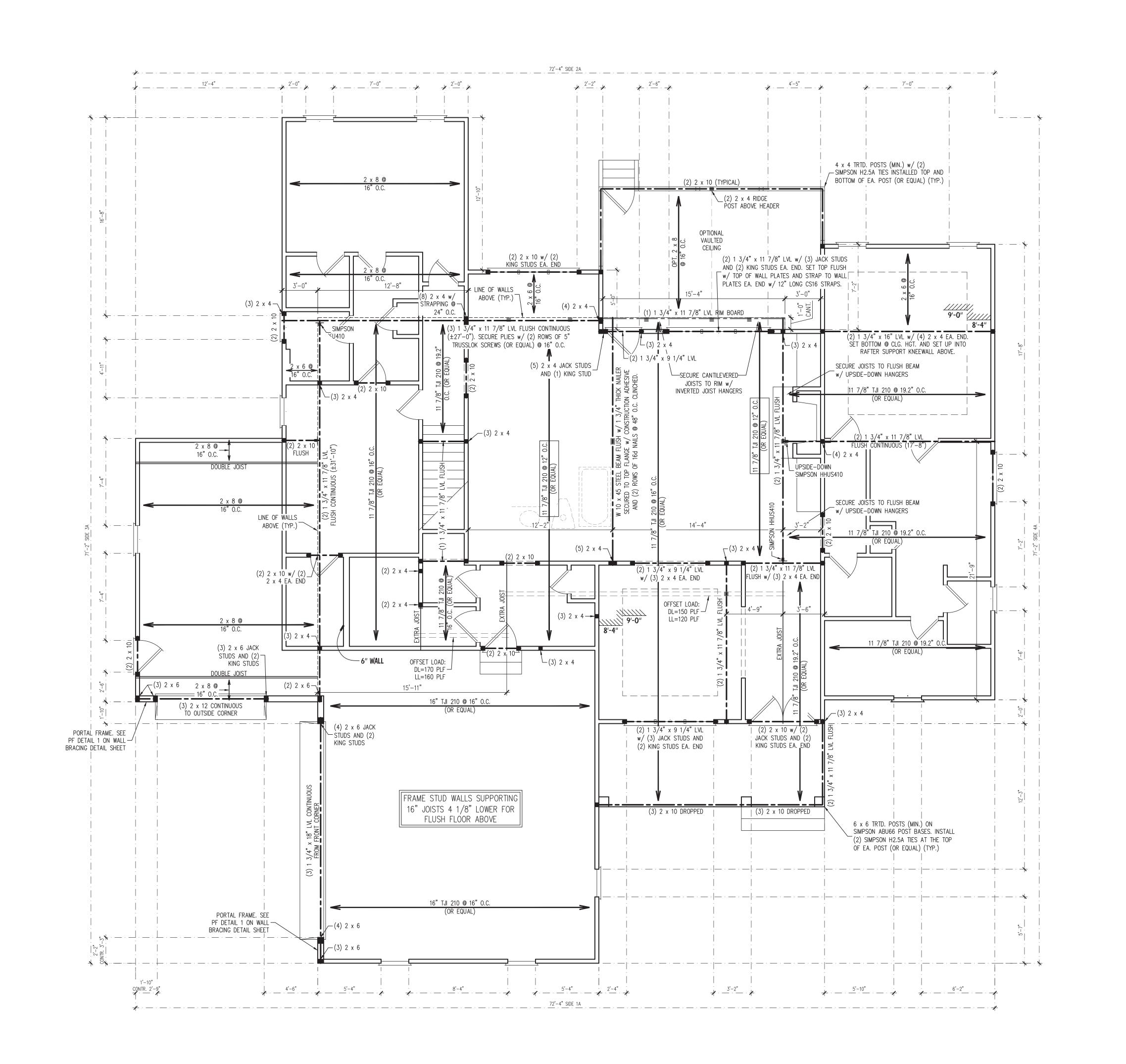
ENGINEERED BY: J. SMITH

SCALE: 1/4" = 1'-0" (UNO)

DATE: **10-22-2024** 

SHEET: 1 OF: 5

CRAWL SPACE FOUNDATION PLAN



### BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10 OF THE NCRC
- 2018 EDITION. CS-WSP REFERS TO THE "CONTINUOUS SHEATHING -WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 7/16" OSB SHEATHING SHALL BE INSTALLED ON ALL SHEATHABLE SURFACES OF ALL EXTERIOR WALLS ATTACHED w/ 6d COMMON NAILS OR 8d (2 1/2" LONG x 0.113" DIA.) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (UNO).
- SEE NOTES AND DETAIL SHEÈTS FOR ADDITIONAL BRACED WALL INFORMATION.



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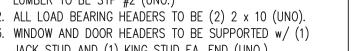
# BRACED WALL DESIGN SUMMARY:

METHOD: CS-WSP/PF METHOD: CS-WSP/PF REQUIRED LENGTH: 17.8' REQUIRED LENGTH: 18.1' PROVIDED LENGTH: 43.75' PROVIDED LENGTH: 56.66' SIDE 2A METHOD: CS-WSP <u>SIDE 4A</u> METHOD: CS-WSP REQUIRED LENGTH: 17.8' REQUIRED LENGTH: 18.1'

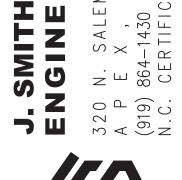
#### FIRST FLOOR CEILING FRAMING STRUCTURAL NOTES:

PROVIDED LENGTH: 39.5' PROVIDED LENGTH: 59.33'

- 1. ALL FRAMING LUMBER TO BE SPF #2 (UNO). ALL TREATED LUMBER TO BE SYP #2 (UNO.)
- 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (UNO).
- JACK STUD AND (1) KING STUD EA. END (UNO.) 4. INSTALL AN EXTRÀ OR DOUBLE JOIST UNDÈR WALLS
- (2) 1/2" x 3 1/2" LAG SCREWS.

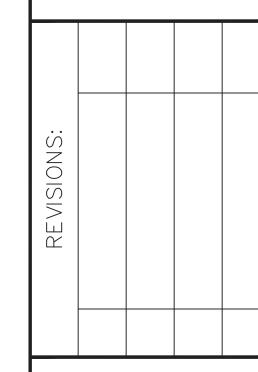


- PARALLEL TO THE JOISTS WHERE NOTED ON THE PLANS. 5. SECURE STEEL BEAMS TO WOOD FRAMING AT BEARING w/
- 6. RÉFER TO NOTÉS AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.





THE GRACE LOT 52 CO' SPECIALTY (



## DRAWN BY: **SOUTHERN HOME DESIGNS**

ENGINEERED BY: J. SMITH

SCALE: 1/4" = 1'-0" (UNO)

DATE: **10-22-2024** 

SHEET: **2** OF: **5** 

FIRST FLOOR **CEILING FRAMING** 

**PLAN** 

(UNO) UNLESS NOTED OTHERWISE

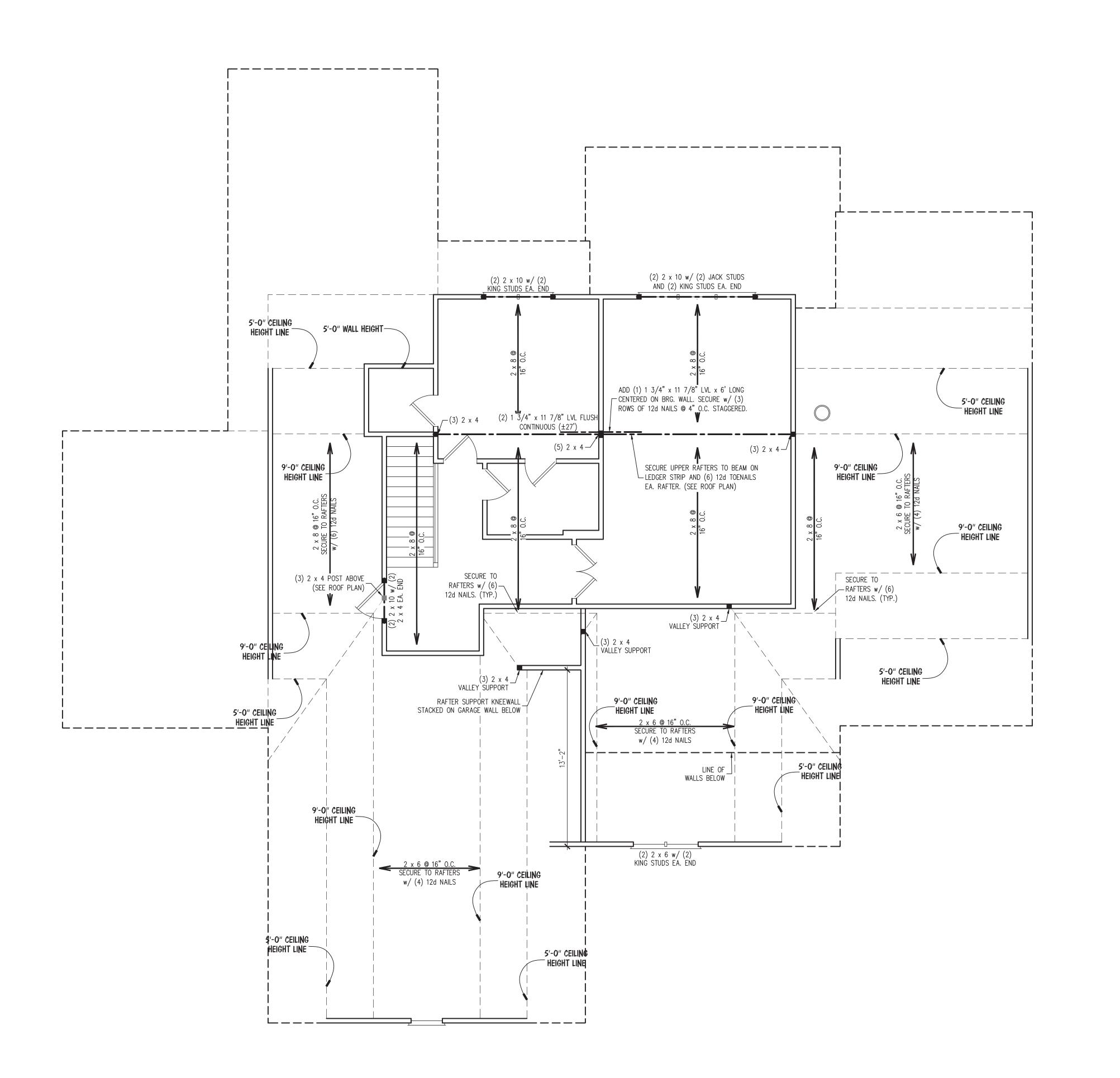
<u>LEGEND</u>

STUD COLUMN AT POINT LOADS THAT REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. AT DROPPED HEADERS: (1) JACK STUD AND (1) KING STUD (UNO). AT FLUSH BEAMS AND (UNO): (2) STUDS (UNO) OFFSET POINT LOAD FROM FLOOR ABOVE. MUST BE SUPPORTED BY BEAM, JOIST, OR BLOCKING AS

NOTED ON THE PLANS.

BEAM OR HEADER AS NOTED THIS LINE TYPE INDICATES PLUMBING OR APPLIANCES ON THE FLOOR ABOVE TO HELP ELIMINATE FRAMING CONFLICTS WITH UTILITIES. (FOR REFERENCE ONLY, SEE ARCHITECTURAL DRAWINGS)

 $\bot$  . X'-X'' .  $\bot$  BRACED WALL DIMENSIONS (FOR REFERENCE ONLY)



#### BRACED WALL DESIGN NOTES:

BRACED WALL DESIGN PER SECTION R602.10 OF THE NCRC 2018 EDITION. PER SECTION R602.10.3.2 OF THE 2018 NCRC, THE

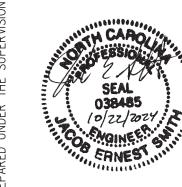
AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO

- BRACED WALL ANALYSIS IS REQUIRED. CS-WSP REFERS TO THE "CONTINUOUS SHEATHING -WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 7/16" OSB SHEATHING SHALL BE INSTALLED ON ALL SHEATHABLE SURFACES OF ALL EXTERIOR WALLS ATTACHED w/ 6d COMMON NAILS OR 8d (2 1/2" LONG x 0.113" DIA.) NAILS SPACED 6" O.C. ALONG PANEL EDGES
- AND 12" O.C. IN THE FIELD (UNO). SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

### SECOND FLOOR CEILING FRAMING STRUCTURAL NOTES:

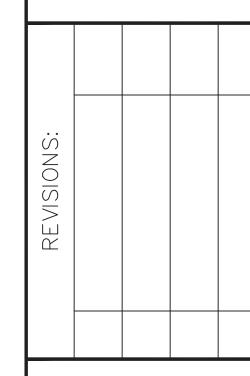
- . ALL FRAMING LUMBER TO BE SPF #2 (UNO). ALL TREATED
- LUMBER TO BE SYP #2 (UNO.) 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (UNO).
- 3. WINDOW AND DOOR HEADERS TO BE SUPPORTED w/(1)JACK STUD AND (1) KING STUD EA. END (UNO.)
- . INSTALL 2 x 4 COLLAR TIES @ 48" O.C. MAX. IN ALL ATTIC
- 6. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL

STRUCTURAL INFORMATION.



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DRAWN BY: SOUTHERN HOME DESIGNS

ENGINEERED BY: J. SMITH

SCALE: 1/4" = 1'-0" (UNO)

DATE: **10-22-2024** 

STUD COLUMN AT POINT LOADS THAT REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ■ AT DROPPED HEADERS: (1) JACK STUD AND (1)

AT FLUSH BEAMS AND (UNO): (2) STUDS (UNO)

KING STUD (UNO).

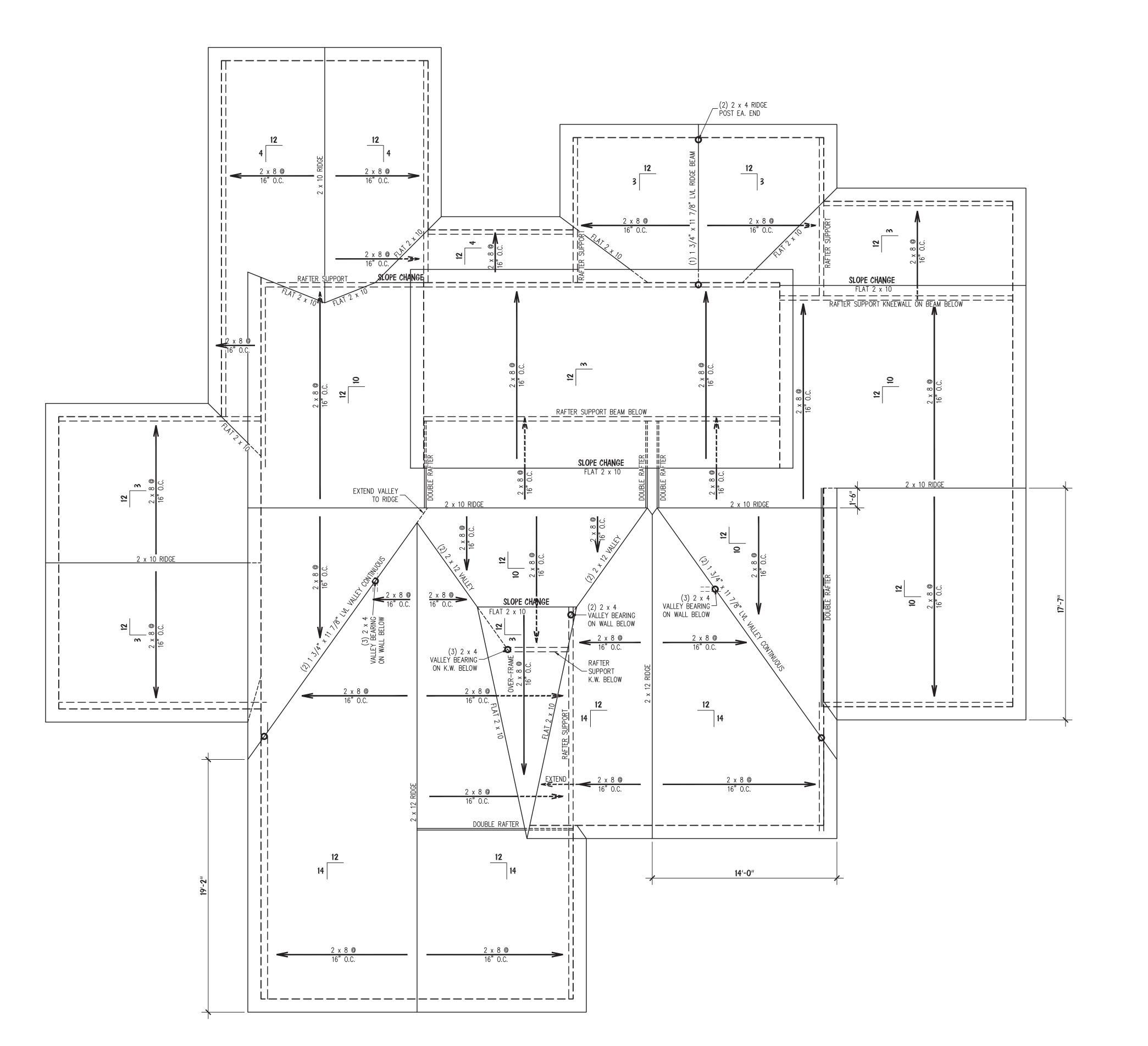
BEAM OR HEADER AS NOTED

(UNO) UNLESS NOTED OTHERWISE

SHEET: **3** OF: **5** 

**S-3** SECOND FLOOR

CEILING FRAMING **PLAN** 



# NOTES:

 MEAN ROOF HEIGHT FOR THIS STRUCTURE IS 20'-2" ATTIC VENTILATION:

SQUARE FEET = 11.68 REQUIRED

300

THE NET FREE AREA OF VENTILATION REQUIRED IS TO BE

11.68 SQUARE FEET.

### ROOF FRAMING STRUCTURAL NOTES:

1. ALL FRAMING LUMBER TO BE #2 SPF (UNO).

- 2. SHEATH ROOF w/ 7/16" OSB SHEATHING SECURED w/ 8d NAILS @ 6" O.C. ALONG EDGES AND 12" O.C. IN THE FIELD.
- 5. CIRCLES DENOTE POSTS FOR ROOF SUPPORT AS NOTED. 4. STICK FRAME OVER-FRAMED ROOF SECTIONS  $w/2 \times 8$ RIDGES, 2 x 6 RAFTERS @ 16" O.C. AND FLAT 2 x 10
- 5. FASTEN FLAT VALLEYS TO RAFTERS WITH SIMPSON H2.5A HURRICANE TIES @ 32" O.C. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING IF REQUIRED. SECURE RAFTERS TO FLAT VALLEYS WITH A MIN. OF (6) 12d TOE
- 6. INSTALL (1) SIMPSON H2.5A HURRICANE TIE (OR EQUAL) @ EA. RAFTER BEARING. INSTALL (2) H2.5A HURRICANE TIES AT RIDGE BEAM, STRUCTURAL VALLEY, AND HIP BEARING
- 7. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

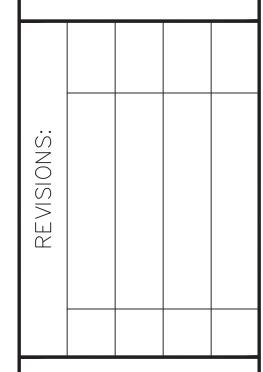


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320 A P (919) N.C.







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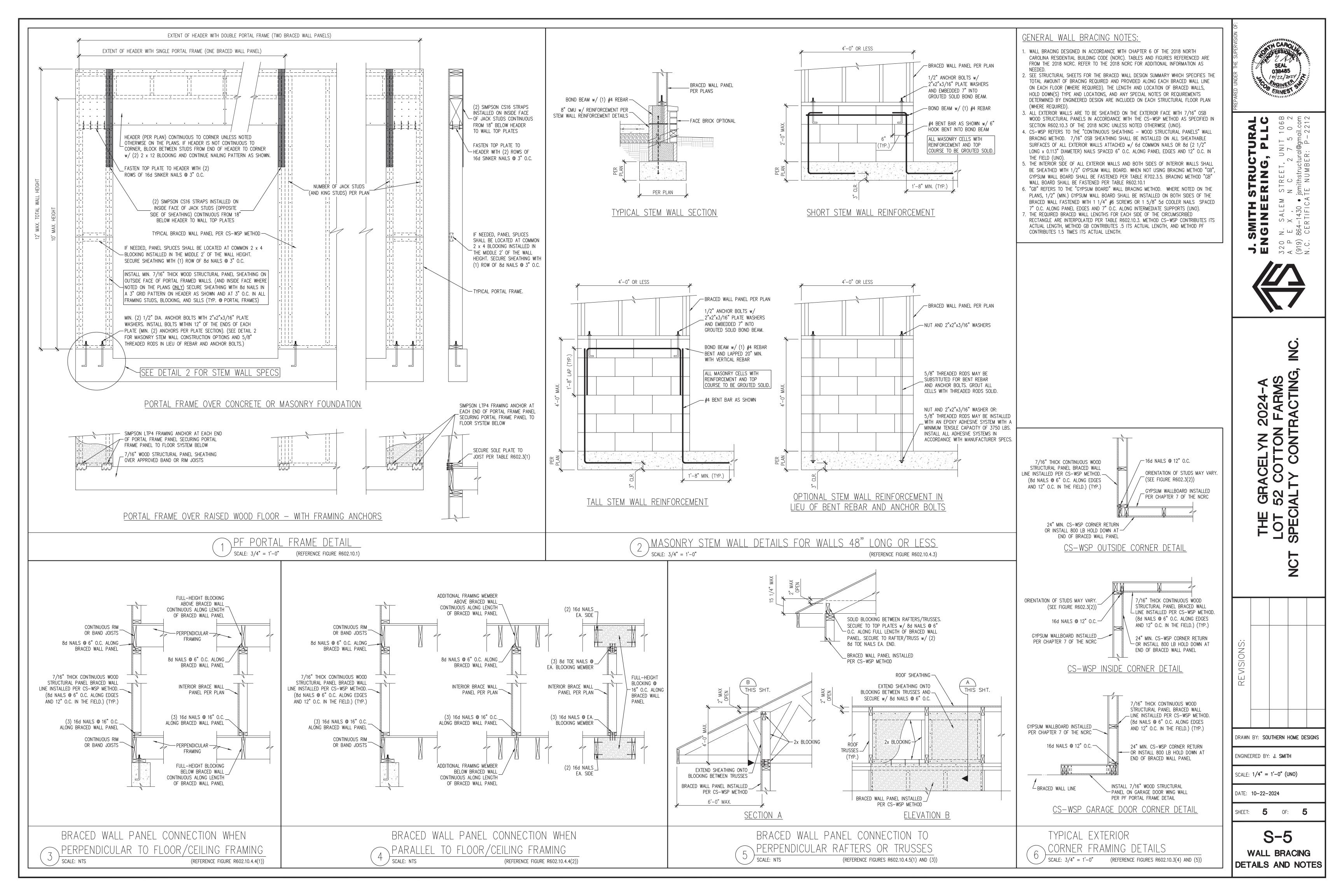
ENGINEERED BY: J. SMITH

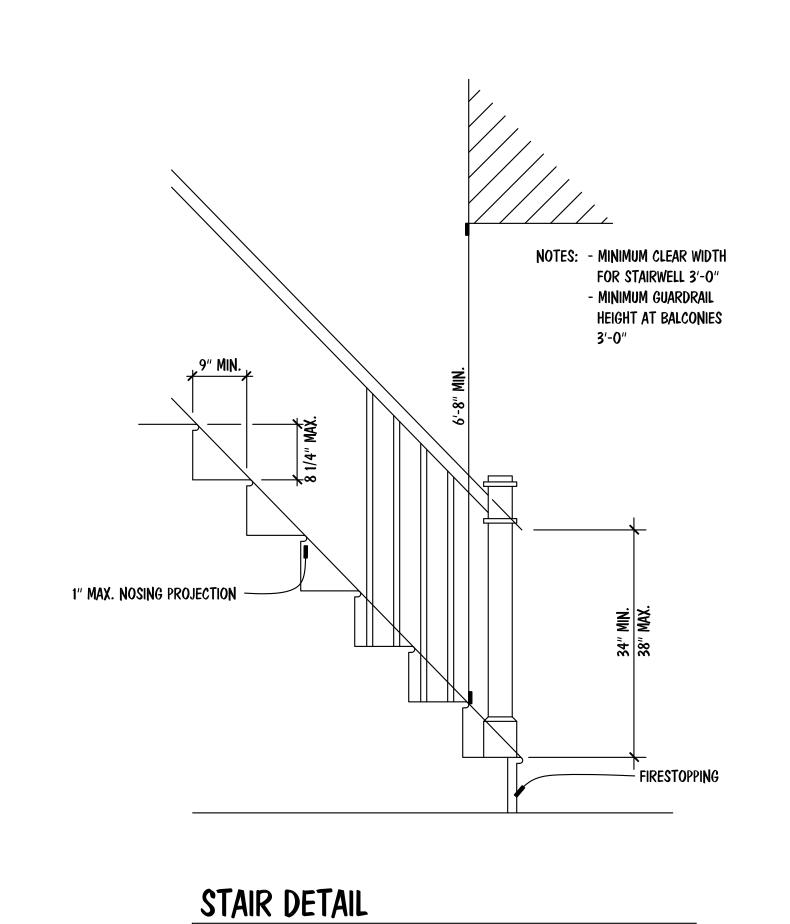
SCALE: 1/4" = 1'-0" (UNO)

DATE: **10-22-2024** 

SHEET: 4 OF: 5

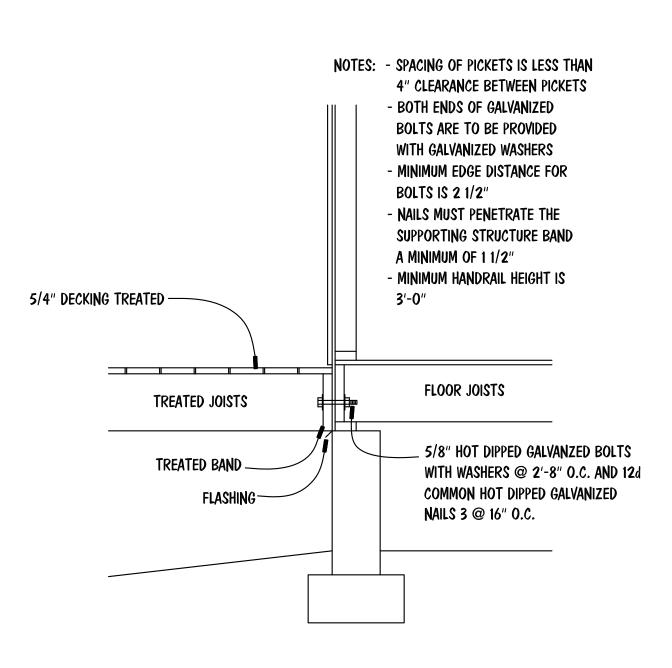
**S-4** ROOF FRAMING PLAN



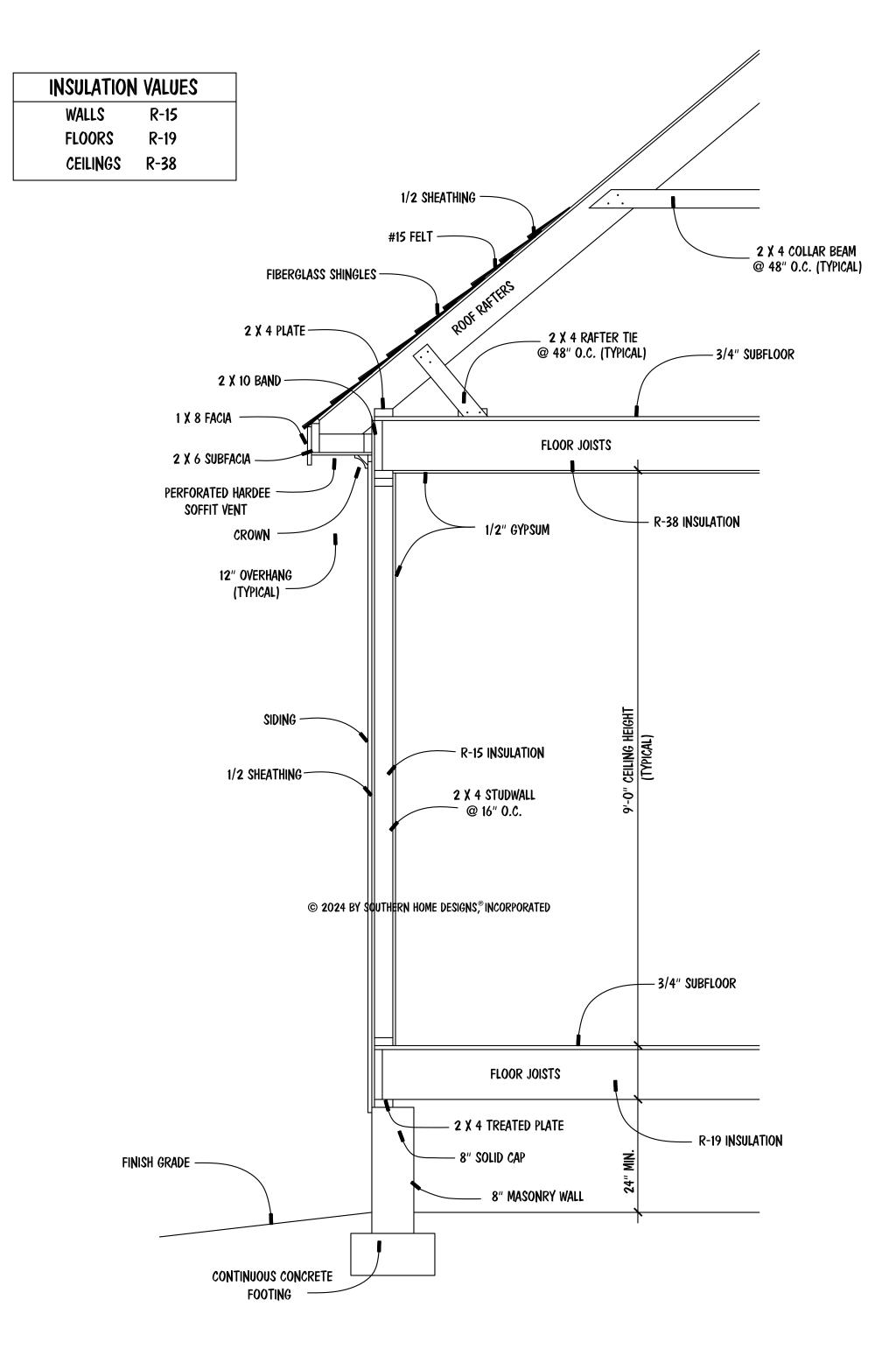


N.T.S.

3/4" = 1'-0"



DECK ATTACHMENT DETAIL



TYPICAL SECTION 3/4" = 1'-0"

STR. DETAIL PLAN

ENGR. #: DATE: 08-26-24 SHEET: A-4

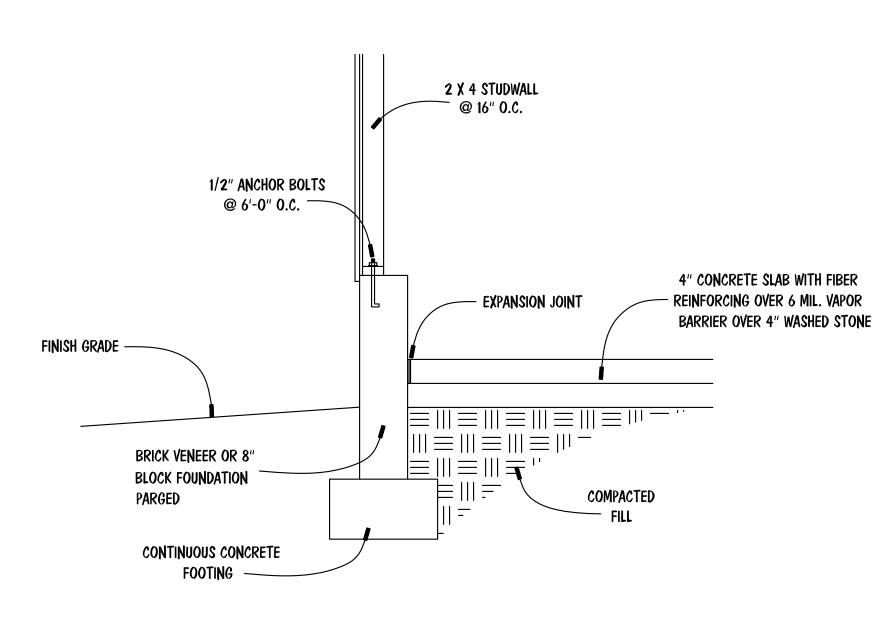
PLAN #: 24-082624

Home

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THE GRACELYN 2024-A LOT 52 COTTON FARMS

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GARAGE SLAB SECTION

3/4" = 1'-0"