

1027 Hwy 70 West Suite 223 Garner, NC 27529 919-779-6005

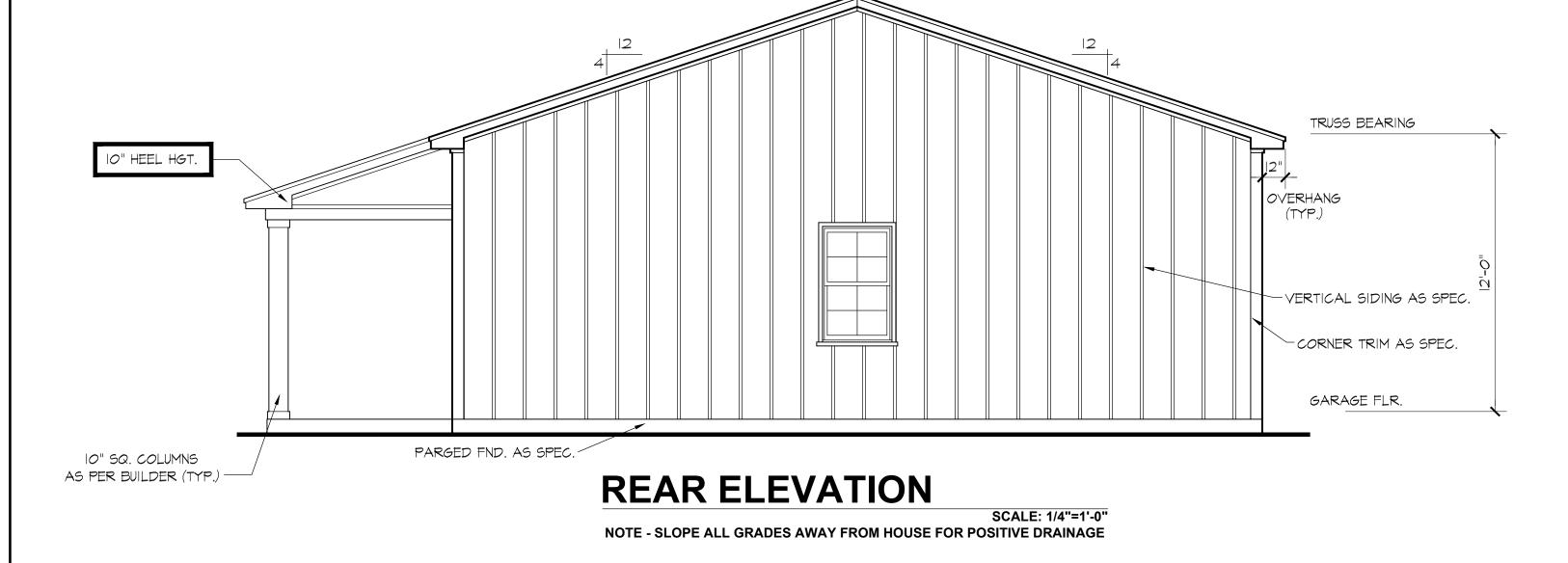
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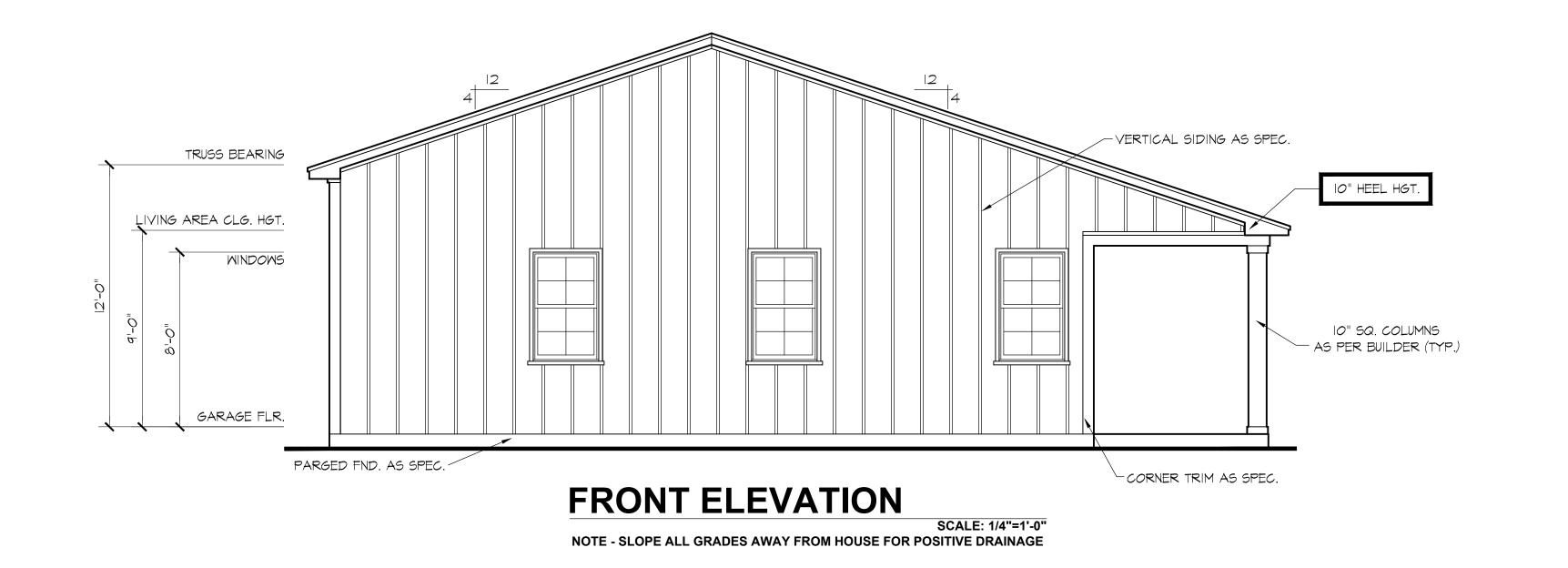
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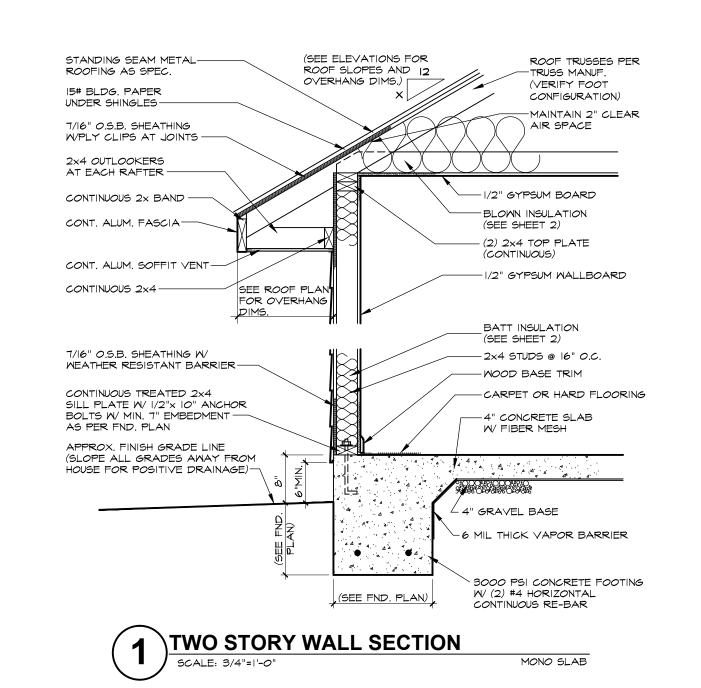
The purpose of these drawings is to show the intent of the design and construction of this home. Contractor should verify all conditions and dimensions prior to construction. Once a permit has been issued, contractor shall assume all responsibility to the accuracy of the plans and any changes made during construction.

Construction Sarage Addition se Road - Angier, N

rammon (Hamilton Ga terfield Lake







PROJECT NUMBER: 5262 DRAWN BY: J.A.D.

CHECKED BY: J.T.S.

REVISIONS:

DATE: 11/10/2021

SHEET:

RESIDENTIAL BUILDING CODE SUMMARY

- PLANS ARE DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.
- 2. HOUSE IS DESIGNED FOR 120 MPH, 3 SECOND GUST (93 MPH FASTEST WIND), EXPOSURE B.
- 3. ANCHOR BOLTS SHALL BE MIN. 1/2" DIAMETER AND SHALL EXTEND 7" MIN. INTO MASONRY OR CONCRETE. BOLTS TO BE NO MORE THAN 6' O.C. AND WITHIN 12" OF ALL PLATE SPLICES. AND CORNERS.
- 4. MEAN ROOF HEIGHT: 15'-11"
- 5. COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS: MEAN ROOF HGT: UP TO 30' 30'-1"TO 35' 35'-1"TO 40' 40'-1"TO 45' 16.5, -18.0 17.3, -18.9 18.0, -19.6 18.5, -20.2 16.5, -21.0 17.3, -22.1 18.0, -22.9 18.5, -23.5 ZONE 2 ZONE 3 16.5, -21.0 17.3, -22.1 18.0, -22.9 18.5, -23.5 ZONE 4 18.0, -19.5 18.9, -20.5 19.6, -21.3 20.2, -21.8 18.0, -24.1 18.9, -25.3 19.6, -26.3 20.2, -27.0 ZONE 5
- 6. MINIMUM VALUES FOR ENERGY COMPLIANCE: ZONE 3 7. MAXIMUM GLAZING U-FACTOR: 0.35
- 8. INSULATING VALUES: CEILING: R-30* / WALLS: R-15 / FLOOR: R-19 SLABS: R-O. CODE REFERENCE: TABLE NIIO2.1 (*R-30 ONLY IF UNCOMPRESSED, R-38 REQUIRED IF COMPRESSED)

FLOODS

FLOODS

GENERAL NOTES:

- I. ALL WORK IS TO BE DONE IN STRICT ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE, 2018 EDITION (HEREWITH SHOWN AS N.C.S.R.B.C.).
- 2. DIMENSIONS SHOWN ON DRAWINGS GOVERN OVER SCALE ..
- 3. STUD WALL DESIGN SHALL CONFORM TO ALL N.C.S.R.B.C. REQUIREMENTS.
- 4. CONTRACTOR SHALL USE TEMPERED SAFETY GLASS IN ALL LOCATIONS AS REQUIRED BY N.C.S.R.B.C., SECTION R308.4
- 5. ANY HABITABLE ROOM SHALL MEET ALL LIGHT/VENTILATION AND EGRESS AS REQUIRED BY N.C.S.R.B.C., SECTIONS R-303.1 AND R-310.1
- 6. ALL WALLS SHOWN ON FLOOR PLANS ARE 2x4 FRAME UNLESS NOTED
- 7. ALL ANGLED WALLS SHOWN ON FLOOR PLANS ARE 45° UNLESS NOTED OTHERWISE.
- 8. ALL MINDOWS SHALL HAVE A MINIMUM DPI RATING OF 25. BUILDER SHALL VERIFY WITH WINDOW MANUFACTURER THAT UNITS INSTALLED MEET THESE REQUIREMENTS AS PER N.C.S.R.B.C., TABLE 301.2(6).
- 9. ENERGY EFFICIENCY REQUIREMENTS FOR THE SPECIFIC CLIMATE ZONE WHERE STRUCTURE IS BEING BUILT SHALL BE IN ACCORDANCE WITH CHAPTER II OF THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, AS SHOWN IN TABLES NIIOI.2 AND NIIO2.1.
- 10. TERMITE TREATMENT BORATE APPLIED TO ALL FRAME MEMBERS WITHIN 24" AFF.

THE PURPOSE OF THESE DRAWINGS IS TO SHOW THE INTENT OF THE DESIGN AND CONSTRUCTION OF THIS HOME. CONTRACTOR SHOULD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. ONCE A PERMIT HAS BEEN ISSUED, CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY TO THE ACCURACY OF THE PLANS AND ANY CHANGES MADE DURING CONSTRUCTION.

ATTIC VENTILATION REQUIREMENTS

| NATURAL ROOF VENTILATION | MECHANICAL ROOF VENTILATOR |
|--------------------------------|--|
| 1966 SQ. FT. | 1966 SQ. FT. 300 = 6.55 SQ. FT. VENT REQ'D. |
| BUILDER TO PROVIDE APPROPRIATE | VENTILATING AS REQUIRED PER CODE |

AREA CALCULATIONS

FLOODS

| TOTAL: | 1966 |
|----------------|------|
| HEATED AREA: | 688 |
| COVERED PORCH: | 216 |
| GARAGE | 1062 |
| | |

FL00DS

NOTES:

ALL DOORS AND CASED OPENINGS TO BE 6'-8" TALL UNLESS NOTED OTHERWISE.

ROUGH FRAME ALL CASED OPENINGS 2"

BIGGER THAN FINISHED OPENING CALL FOR

PROVIDE 2x4 BLOCKING FOR: TOILET PAPER HOLDER, TOWEL BARS, MEDICINE CABINETS

BOTTOM OF WINDOW CLEAR OPENINGS SHALL BE MORE THAN 24" ABOVE FINISH FLOOR OR A FALL PREVENTION DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R612.3 OF THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.

8'-0"



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amm

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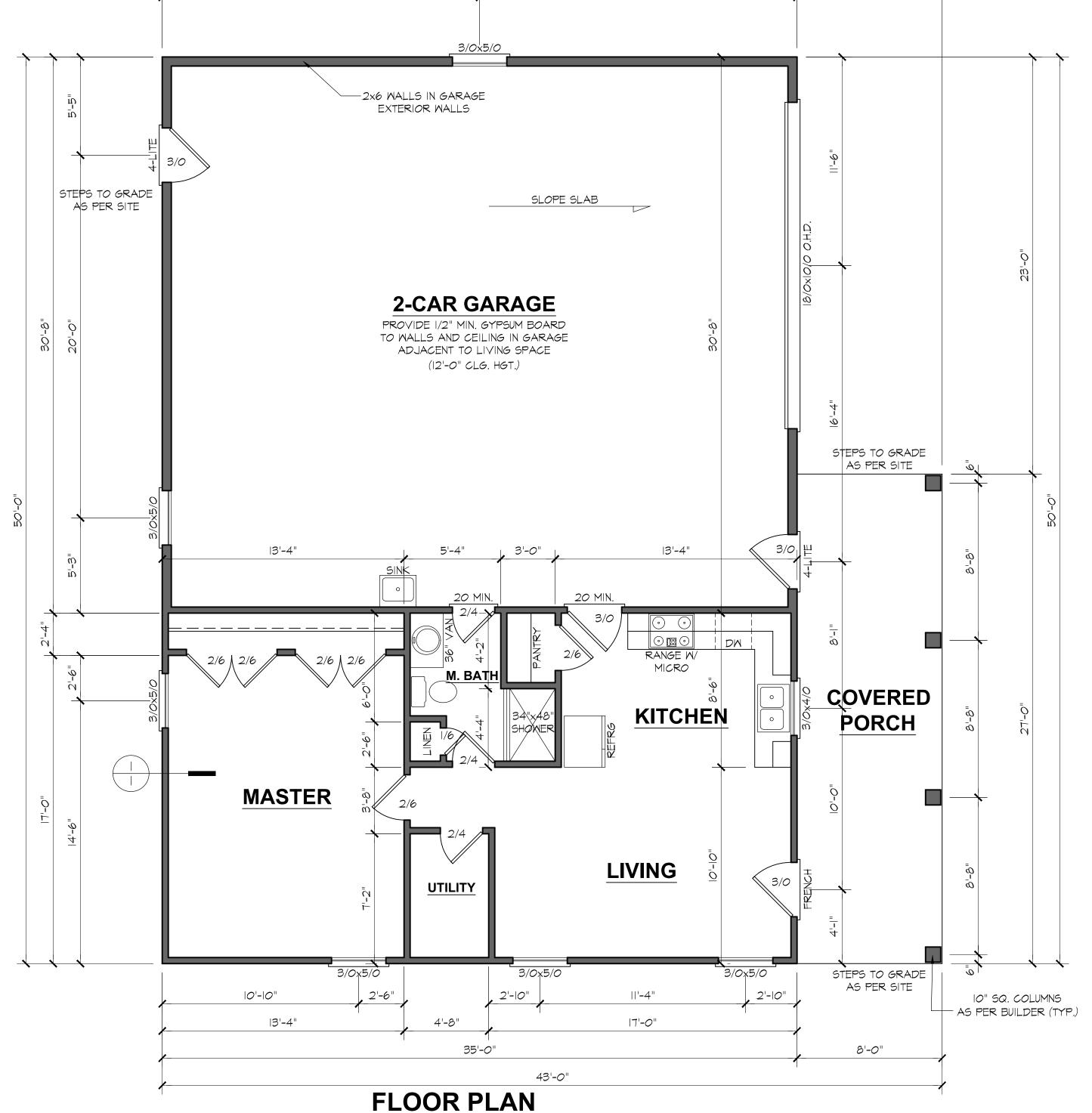
J.A.D.

CHECKED BY: J.T.S.

REVISIONS:

11/10/2021

SHEET:



9'-0" (NOM.) CLG. HGT. U.N.O. SCALE: 1/4"=1'-0"

SET WINDOWS @ 8'-0" U.N.O.

43'-0"

17'-6"

35'-O"

17'-6"

ELECTRICAL LEGEND

S - FAN/LIGHT

MP- WATERPROOF OUTLET

- RECESSED LIGHTING

\$ - SINGLE PULL SWITCH

\$ - 3-MAY SMITCH \$ - 4-WAY SMITCH

\$ - DIMMER SWITCH

■ - SMOKE DETECTOR A - FLOOD LIGHTS

7 - EYEBALL SPOTS - DUPLEX RECEPTACLE (IIOV)

- 220 VOLT RECEPTACLE

- SWITCHED RECEPTACLE (TOP WIRE ONLY) - GROUND FAULT CIRCUIT INTERRUPTOR

- CLG FAN/LIGHTS - TRACK LIGHTS - FLUORESCENT LIGHTING

○ - CABLE OUTLET

▲ - TELEPHONE OUTLET Δ - COMPUTER DATA OUTLET

🛛 - BURGLAR ALARM

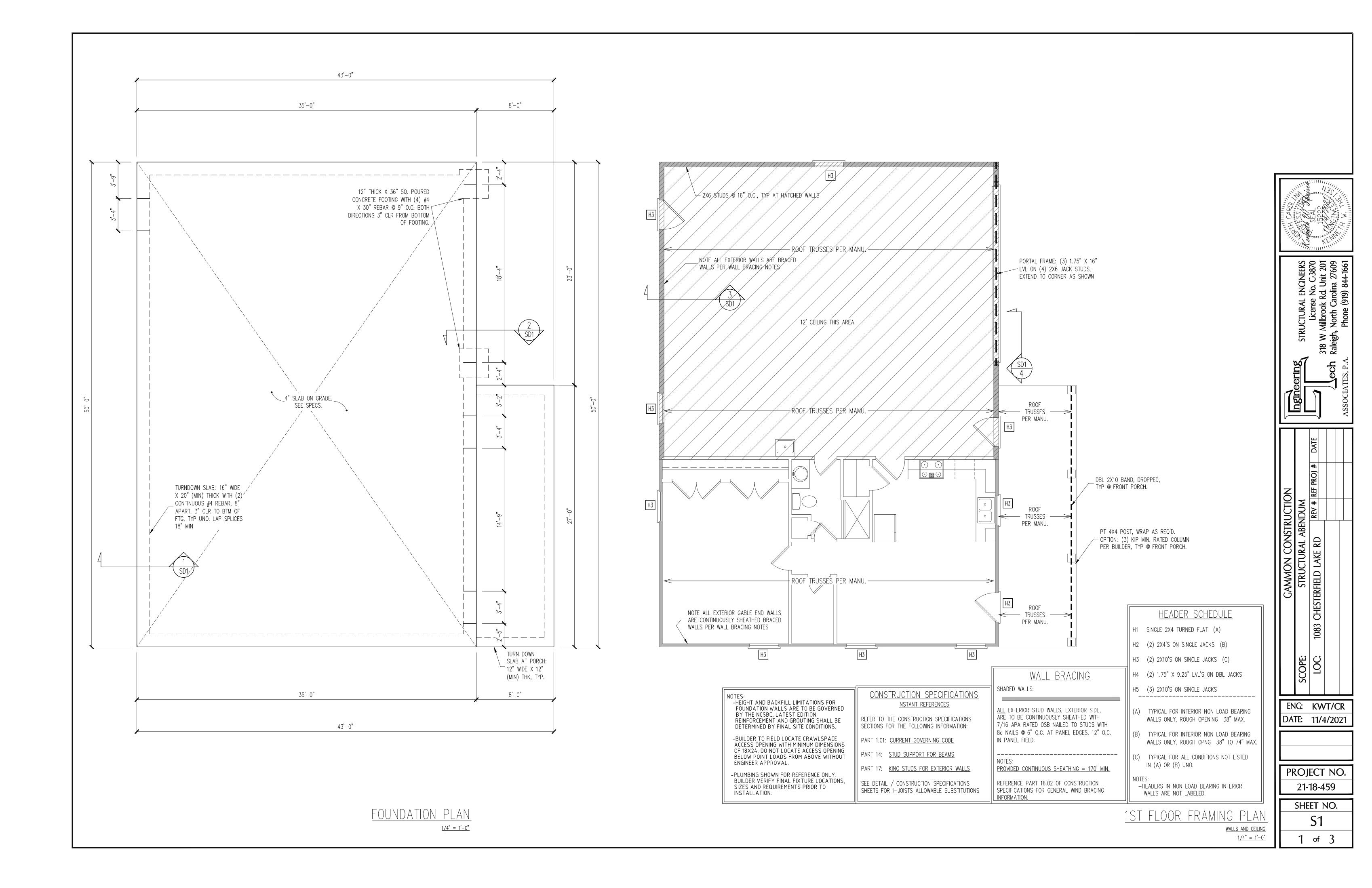
- INTERCOM NOTE: ALL ELECTRICAL TO BE VERIFIED BY OWNER/BUILDER BEFORE ROUGH-IN.

TO ALL FLOOD FAN W/ LIGHT FLOOD LIGHTS FAN W/ LIGHT

ELECTRICAL PLAN

NOTE - ELECTRICAL RECEPTACLE AND SWITCH QUANTITIES AND LOCATIONS SHOWN ON PLAN ARE FOR ILLUSTRATION PURPOSES ONLY. ACTUAL NUMBER AND LOCATIONS SHALL BE FIELD DETERMINED AS PER CLIENT AND BUILDER

EXCEPT WHERE CODE REQUIREMENTS APPLY.



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

TRUSS UPLIFT CONNECTORS

EXPOSURE B, 115 MPH, ANY PITCH 24" O.C. MAX ROOF TRUSS SPACING

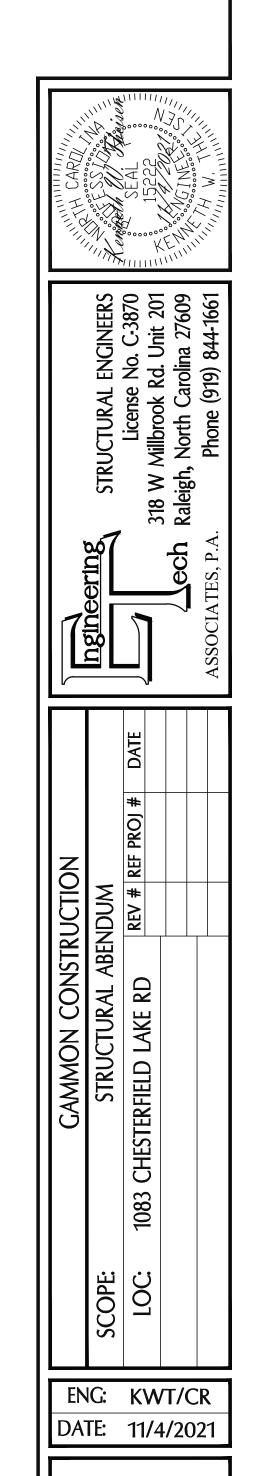
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE BELOW.

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

OVER 28'

<u>CONNECTOR</u> NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION

(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM

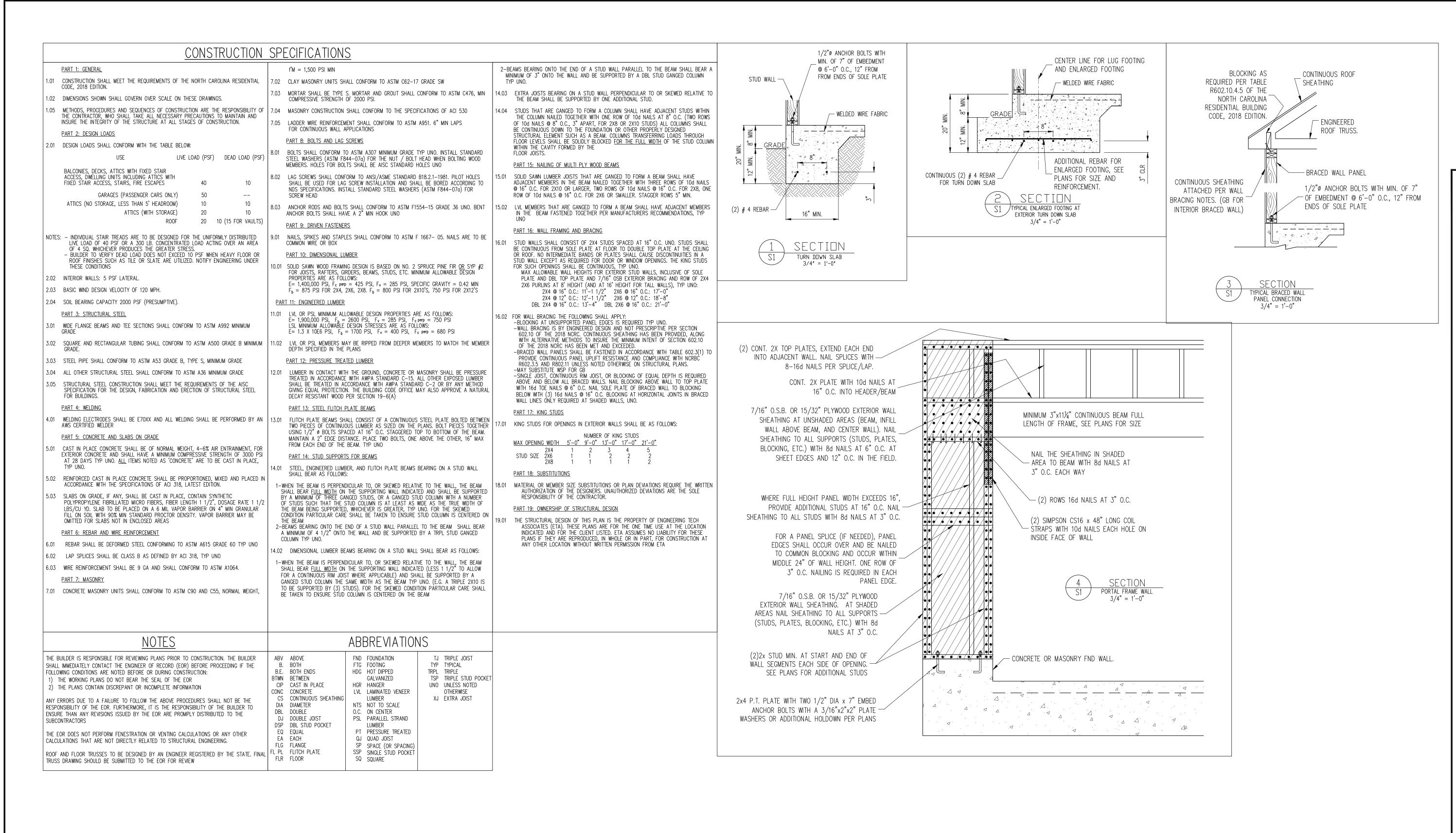


PROJECT NO.

21-18-459

SHEET NO.

2 of 3



ENG: KWT/CR DATE: 11/4/2021

PROJECT NO. 21-18-459

> SHEET NO. of 3