JS CONSULTING & DESIGN ENGINEERING AND CONSULTING 11703 DURANT RD RALEIGH, NC 27614 P (919) 675-1680 F (919) 324-3681

CERTIFICATE NUMBER: P-1513

Client:

Tarheel Metal Structures

8314 US Hwy 220 Bus. North

Randleman, NC 27317

(o) 336-476-4955 (f) 336-476 4934

Project:

30'x40'x10'

Randy Davis

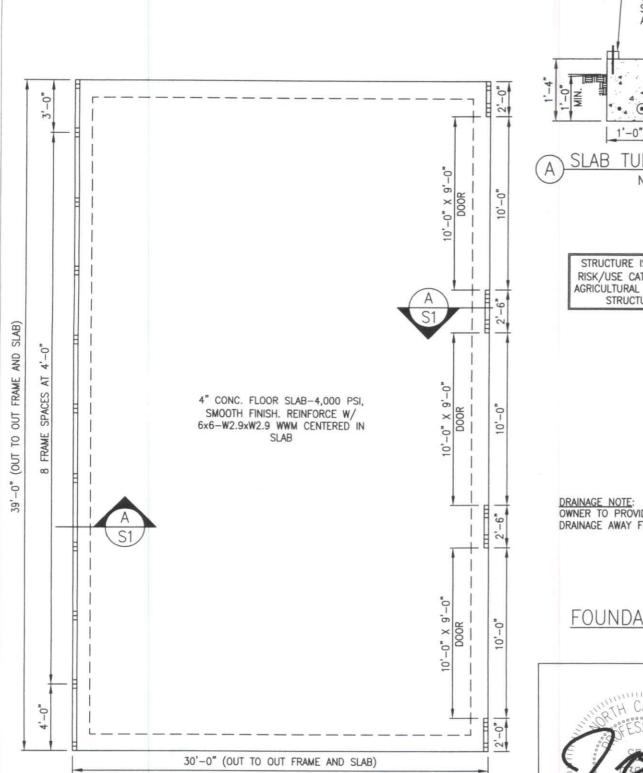
1418 Cypress Church Rd

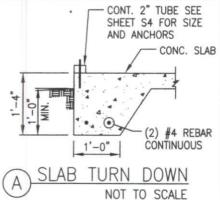
Cameron, NC 28326

Job No: 2501-048

Date: 02/21/25

Sheet: S1





STRUCTURE IS DESIGNED AS RISK/USE CATEGORY 1 ONLY. AGRICULTURAL OR UNOCCUPIED STRUCTURE ONLY.

DRAINAGE NOTE: OWNER TO PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. PAD.

FOUNDATION PLAN NOT TO SCALE



B

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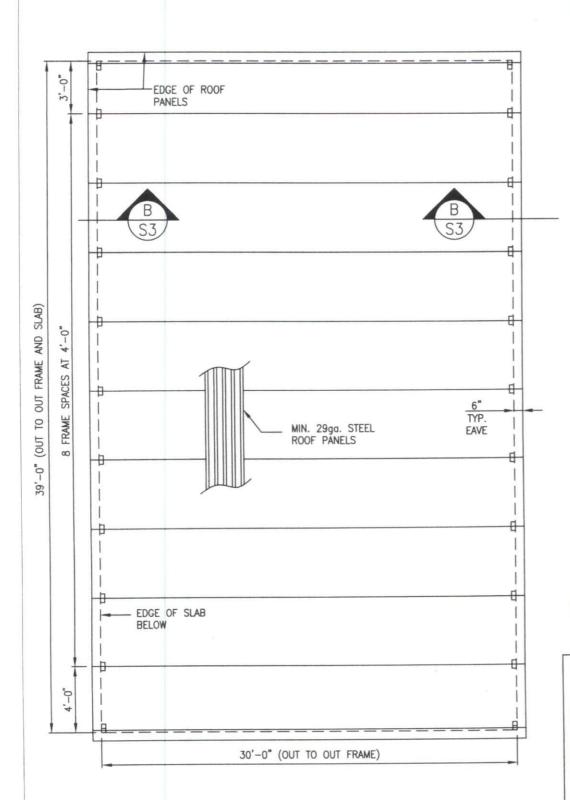
1418 Cypress Church Rd

Cameron, NC 28326

Job No: 2501-048

Date:

02/21/25 Sheet: S2



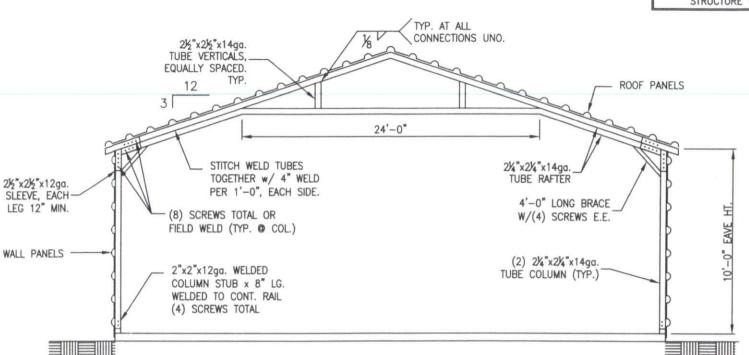
STRUCTURE IS DESIGNED AS RISK/USE CATEGORY 1 ONLY. AGRICULTURAL OR UNOCCUPIED STRUCTURE ONLY.

FRAMING PLAN

NOT TO SCALE

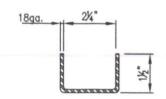


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TYPICAL CROSS SECTION B-B NOT TO SCALE

GABLE END WALL FRAMING GABLE END WALLS SHALL BE FRAMED @ 4' O.C. USING 21/4"x21/4"x14ga TUBES TO THE BOTTOM RAIL AND RAFTERS W/ L-CLIPS AND (2) SCREWS IN EACH LEG OF THE CLIP. ANY STUDS OVER 13'-0" IN LENGTH SHALL BE (2) 24"x24"x14ga AND ATTACHED W/ (2) L-CLIPS AND (2) SCREWS IN EACH LEG OF THE CLIP.



TYP. WIND COLLAR/BRACE NOT TO SCALE

CERTIFICATE NUMBER: P-1513

(0) 336-476-4955

(f) 336-476 4934

703 DURANT RD

Tarheel Metal Structures

8314 US Hwy 220 Bus. North Randleman, NC 27317

Project: 30'x40'x10' Randy Davis

1418 Cypress

Cameron, NC 28326 Church R

Job No: 2501-048 Date: 02/21/25 Sheet: S3



STRUCTURE IS DESIGNED AS RISK/USE CATEGORY 1 ONLY. CERTIFICATE NUMBER: P-1513 AGRICULTURAL OR UNOCCUPIED STRUCTURE ONLY. JS CONSULTING & DESIGN
ENGINEERING AND CONSULTING
11703 DURANT RD
RALEIGH, NC 27614
P (919) 675-1680
F (919) 324-3681 SEE FRAMING PLAN FOR SPACING 11 11 11 11 11 8314 US Hwy 220 Bus. North Randleman, NC 27317 (0) 336-476-4955 Randleman, NC Tarheel Metal Structures 11 %"x18ga. CONTINUOUS HAT CHANNEL Н 田 BLOCKING. CONNECT W/ SCREWS @ EACH FRAME, @ EAVE AND 21/4"x14ga. HEADER 12" BELOW EAVE (f) 336-476 4934 ATTACH W/ ANGLE TUBE AND JACK HEADER CLIPS & SCREWS CONNECT W/ANGLE WELDED CLIPS & SCREWS HEADER PER TO SCHEDULE STITCH COLUMN WELDED TOGETHER E.E. 21/4"x21/4"x14ga. FULL HEIGHT COLUMN 1/3" EXPANSION BOTTOM RAIL EACH SIDE PER ANCHORS @ 18" O.C. (CONTINUOUS) SCHEDUEL, STITCH AND MAX. 12" FROM WELDED TOGETHER ENDS. 21/4" MIN. EMBEDMENT INTO Project: 30'x40'x10' Randy Davis 1418 Cypress Cameron, CONCRETE MIN. 29aa. SIDING PANELS COLUMN CONNECTOR 36" X 80" MAX DOOR OPENING LOCATED BY ROLL UP DOOR HEADER SCHEDULE BUILDER, ANCHOR 28326 Church 10'-0" X 9'-0": (3) 2¼"X2¼"X12ga BOLTS MAY BE OMITTED @ DOOR. (3) 2¼"X2¼"X12ga COLUMNS E.E. Rd SIDE ELEVATION NOT TO SCALE DOOR OPENING NOTE: FOR DOORS PLACED IN GABLE END WALLS ONLY. EXACT LOCATION TO BE DETERMINED BY BUILDER. MINIMUM HEADER SIZE (2) 2-1/4" 14ga SQUARE TUBES ATTACHED TOGETHER W/ Job No: 2501-048 Date: 02/21/25 Sheet: S4 CLIPS AND SCREWS @ 1'-0" O.C. MINIMUM (1) 2-1/4" KING STUD EACH SIDE, ATTACH USING ANGLE CLIPS AND SCREWS



CERTIFICATE NUMBER: P-1513

DECICAL CRITERIA

Client:

Tarheel Metal Structures

8314 US Hwy 220 Bus. North

Randleman, NC 27317

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Project: 30'x40'x10' Randy Davis

1418 Cypress Church Rd Cameron, NC 28326 Job No: 2501-048 Date: 02/21/25 Sheet: S5

NOTES

BUILDING CODE2018 NORTH CAROLINA BUILDING CODE
2. IMPORTANCE FACTORS SNOW (Is) 0.80 SEISMIC (Iw) 1.0
3. GROUND SNOW LOAD10 PSF
4. ROOF LL
5. FLOOR LL40 PSF (UNOCCUPIED STORAGE ONLY)
6. WIND A) ULTIMATE WIND SPEED (IBC)
7. SEISMIC A) SEISMIC DESIGN CATEGORY A COMPLIANCE WITH SECTION 1616.4 ONLY?YES _X_NO YES _X_NO YESX_NO
B) SEISMIC DESIGN CATEGORYBCX_D
SEISMIC USE GROUP

OTHER NOTES

- PRESUMPTIVE SOIL PRESSURE = 2,000 PSF.
- WHERE A DETAIL IS SHOWN ON STRUCTURAL DRAWINGS FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR OR LIKE CONDITIONS, UNLESS NOTED OR SHOWN OTHERWISE.
- IF CONTRACTOR FINDS A DIFFERENCE BETWEEN THESE DRAWINGS AND EXISTING ELEVATIONS, OR OTHER CONDITIONS
 WHICH PROHIBIT EXECUTION OF THE WORK AS DIRECTED ON THESE DRAWINGS, CONTRACTOR SHALL NOTIFY ENGINEER
 IMMEDIATELY.
- 4. ALL ITEMS SHALL BE TIGHTLY ANCHORED OR ATTACHED SQUARE, PLUMB AND TRUE, OR IN OTHER PLANES OR SHAPES AS SHOWN ON THE DRAWINGS. JOINTS SHALL BE TIGHT, EVEN, AND FREE OF OFFSETS. NO FIELD ALTERING OF ANY MEMBERS WILL BE ALLOWED THAT WILL CAUSE THEM NOT TO BE IN ACCORDANCE WITH THE DRAWINGS AND THEM NOT TO BE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, WITHOUT WRITTEN APPROVAL OF THE DESIGN ENGINEER.
- GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ADEQUATE SHORING, BRACING OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR DAMAGE TO THE STRUCTURE DURING CONSTRUCTION PROCEDURES ASSOCIATED WITH THIS PROJECT.
- CONCRETE: CONCRETE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI.
- CONCRETE WORK SHALL COMPLY WITH ACI "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING (ACI 301)
 AND APPLICABLE PROVISIONS OF ACI 318. KEEP A COPY OF ACI FIELD REFERENCE MANUAL (ACI—SP—15) WHICH
 INCLUDES ACI 301 AND OTHER ACI AND ASTM REFERENCES ON THE JOB.
- 8. ALL FOOTING FOUNDATIONS SHALL BE PLACED ON COMPETENT SOIL.
- 9. FIBER MESH MAY BE SUBSTITUTED FOR WWM PER MANUFACTURER'S RECOMMENDATIONS.
- REINFORCING STEEL: ASTM A615, GRADE 60. PROVIDE 3" CLEARANCE TO EARTH SURFACES. LAP BARS 30 DIAMETERS.
- 11. ALL GALVANIZING SHALL BE PERFORMED AFTER FABRICATION, AND IN ACCORDANCE WITH ASTM A123 AND/OR A153.
- THE MINIMUM YIELD STRENGTH OF THE STEEL USED IN THE LIGHT GAUGE METAL FRAMES SHALL BE 55,000 PSI, FOR RAW OR GALVANIZED TUBES.
- 13. THE MINIMUM YIELD STRENGTH OF THE STEEL USED FOR THE LIGHT GAUGE METAL DECK SHALL BE 80,000 PSI, DECKING PANELS SHALL COVER THREE SPANS, MINIMUM.
- 14. THE LIGHT GAUGE METAL FRAMES AND DECK SHALL BE OF THE GAUGE INDICATED ON THE PLAN/DETAILS.
- 15. ALL SCREWS FOR ASSEMBLING FRAMES SHALL BE #12 SIZE.
- ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1.
- 17. ALL WELDS SHALL BE COATED WITH GALVANIZE PRIMER & PAINT AFTER WELDING.

