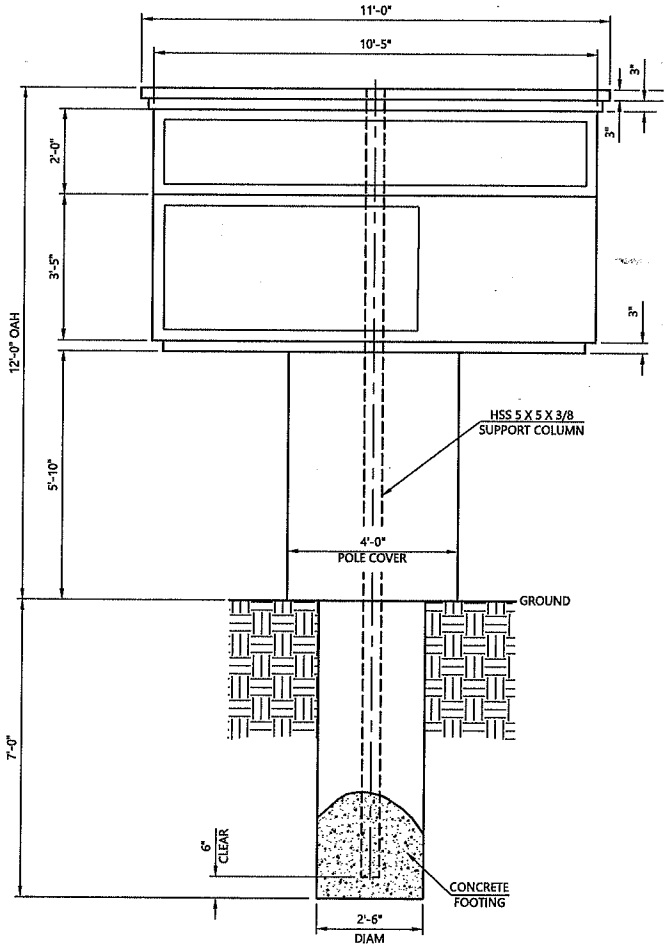
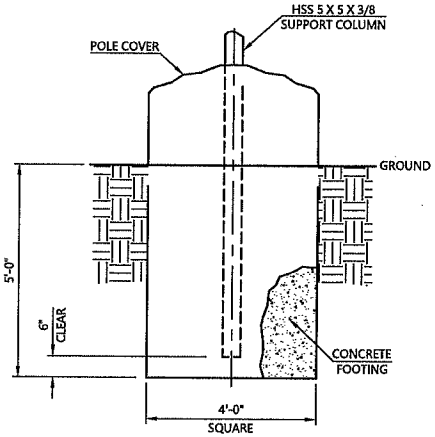
GENERAL NOTES:

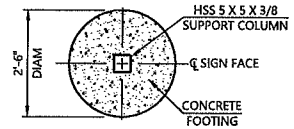
1. All design, fabrication, installation and construction shall conform to the following specifications, unless specifically noted otherwise on the drawing:
   - The 2018 North Carolina Building Code
     The 2015 International Building Code
   - American Concrete Institute Building Code Requirements for Reinforced Concrete (318-14).
   - American Institute of Steel Construction, Inc Manual of Steel Construction (13th Edition).
   - American Welding Society ANSI/AWS D1.1 Structural Welding Code - Steel
2. All steel components shall be as listed below, unless noted otherwise:
   - All rolled shapes, plates and bars shall be ASTM A36, or equal.
   - All pipe shall meet the requirements of ASTM A53, Type S or E, Gr B, or ASTM A500, Gr B.
   - All structural tubing shall be ASTM A500, Grade B, or equal.
   - All bolted connections shall be made with ASTM A325 Bolts and shall be installed as per AISC Specifications.
   - All anchor bolts shall be ASTM A307 Gr C or ASTM F1554 Gr 36 and shall be galvanized and installed as per AISC Specifications
   - Mechanical anchors shall be installed following manufacturer's specifications.
   - All exposed materials shall be properly protected from weathering and/or corrosion.
3. All field welds shall be made by a welder certified in the specified position.
   - All welds shall be made with E70XX electrode, or equal.
   - All welds shall be made in a sequence that will balance the applied heat of welding while the welding progresses.
4. All concrete shall have a minimum compressive strength at 28 days of 3000 psi.
   - Signage may be installed on the structure after a minimum curing time of 3 days, provided the curing process has been properly maintenanced in accordance with ACI 318-14.
5. No steel reinforcement is required in cube or auger style footings where the support column is embedded directly to the bottom of the footing.
6. The structure has been designed to withstand a 120 mph (3-sec gust) design wind speed with a maximum design pressure of 39.6 psf according to ASCE 7-10. (Exposure C - Risk Cat. II)
   - Seismic design was considered as per ASCE 7-10 assuming Sds=0.192, I=1.0, and Site Class D.
7. The foundation has been designed assuming the following average soil conditions:
   - Allowable Lateral Bearing Pressure of 150 psf/ft (This value is used for cube and auger footings) The soil allowable is multiplied by two for isolated footing as per IBC 1804.3.1.
   - 150 psf/ft corresponds to sand, silty sand, clayey sand, silty gravel, clayey gravel or equal.
   - If soil conditions other than those assumed are encountered (including soft soils, unstable or collapsing soils, expansive soils, organic materials, groundwater, adjacent utilities, or any other condition of potential concern) cease excavation immediately and contact Cornerstone so that the foundation design can be re-evaluated.
   - If the structure is to be located in the proximity of a building or any other structure, Cornerstone shall be contacted prior to installation to evaluate any potential impact on the adjacent footings.
   - If the structure is located on the side or top of a slope in excess of 3:1, the installer shall contact Cornerstone for re-evaluation. The foundation shall not be placed in or near a fill slope without Cornerstone's approval.
   - All concrete shall be placed in direct contact with undisturbed soil. There shall be no backfilled soil placed in or around the foundation without written approval from Cornerstone.
8. Cornerstone is in no way responsible for the safety of the work site during installation. The installer shall take appropriate measures to make sure that the installation of the foundation and the erection of the structure is performed using methods in compliance with applicable OSHA regulations.
9. If existing and proposed conditions are not as detailed in this design drawing the installer shall cease work and notify Cornerstone immediately.
   - Cornerstone will not be performing on-site inspections or verification of conditions. It is the responsibility of the installer, the structure owner, and the property owner to identify the on-site conditions and to contact Cornerstone with any discrepancies or concerns. It is the owner's responsibility to locate and mark all underground utilities.
10. Any deviation from these plans or non-compliance with the general notes without written approval from Cornerstone will render the entire design to be void.



ELEVATION VIEW



OPTIONAL CUBE FOOTING



FOUNDATION PLAN VIEW

NOTICE:
CORNERSTONE ENGINEERING, INC IS RESPONSIBLE FOR COLUMN AND FOOTING DESIGN ONLY. SIGN CABINET COMPONENTS AND ATTACHMENT ARE THE RESPONSIBILITY OF THE SIGN MANUFACTURER.

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PREPARED FOR:
PARISH SIGN & SERVICE, INC.
627 Laurinburg Road - Raeford, NC 28376

Full Gospel Tabernacle & Youth Camp @ 12'-0" Overall Height
3661 NC Highway 55 East - Dunn, North Carolina

Project #: 240249	Drawn By: MwM	
Dwg #: CA28967	Date: 04/15/2024	
Scale: 1/2"=1'-0"	Sheet: 1 of 1	

JAMES E. WRIGHT, JR.

James Wright — Digitally signed by James Wright 2024.04.15 14:04:00

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NC P.E. # 024322
NC FIRM # C-2064