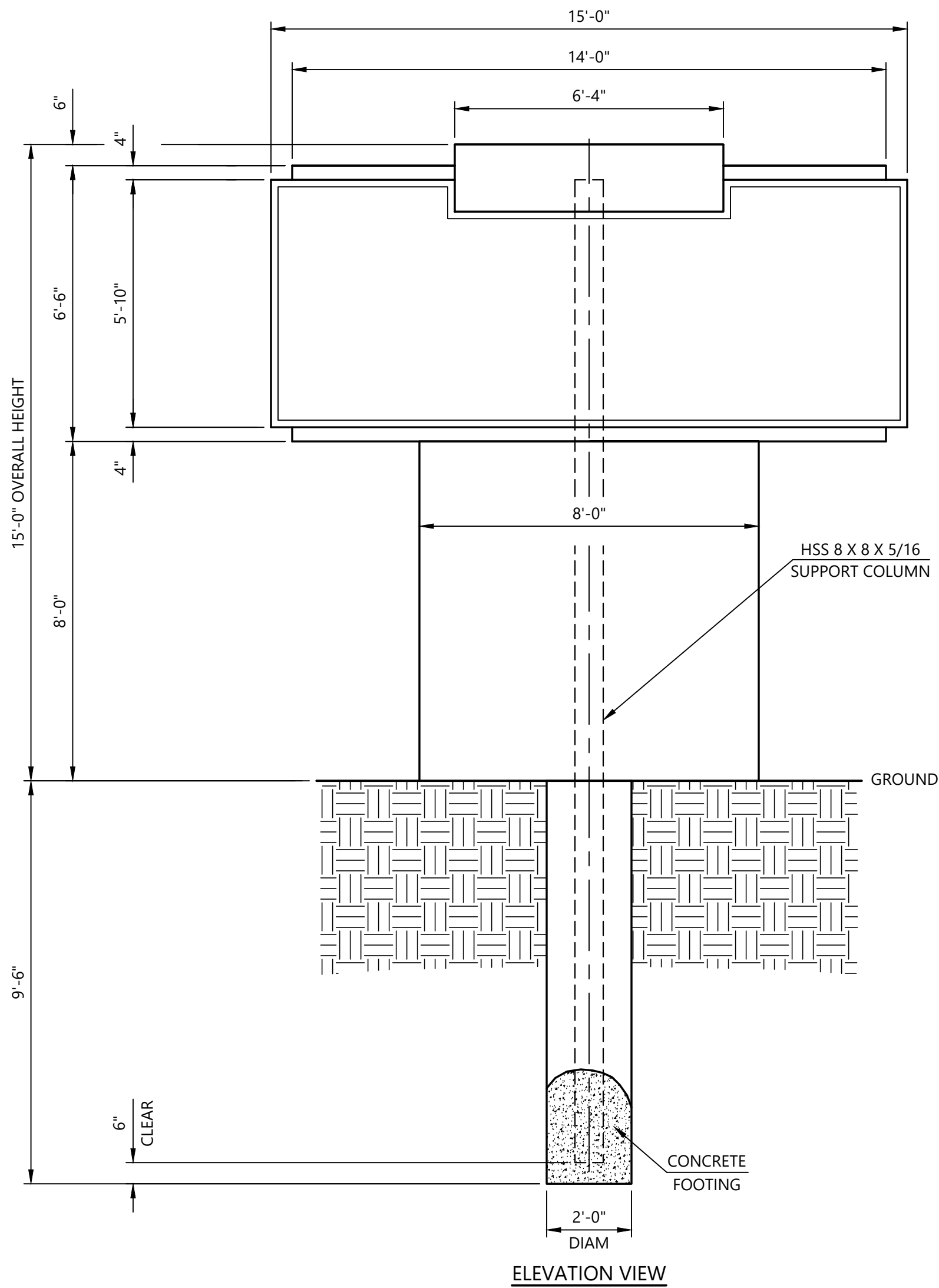
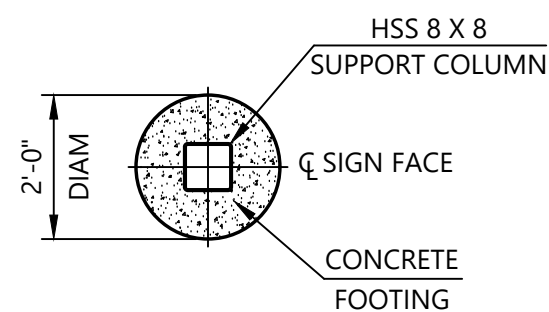


**GENERAL NOTES:**

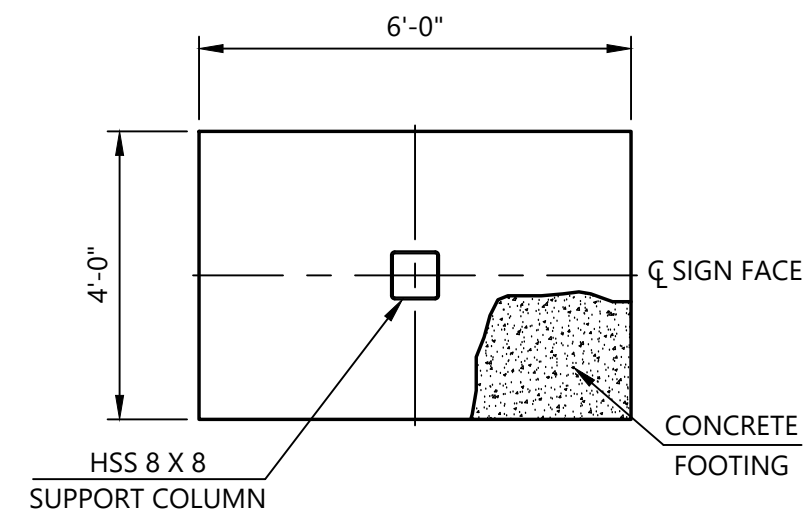
- All design, fabrication, installation and construction shall conform to the following specifications, unless specifically noted otherwise on the drawing:
  - The 2018 North Carolina Building Code
  - The 2015 International Building Code
  - American Concrete Institute Building Code Requirements for 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
- 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, Grade B, or shall meet the requirements of ASTM A252, Grade 2 or better, with a minimum yield stress and wall thickness that meets or exceeds the minimum values specified for that pipe on this drawing (ASTM A252 thickness tolerances are not allowed).
  - 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 exposed materials shall be properly protected from weathering and/or corrosion.
- 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.
- 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 maintained in accordance with ACI 318-14.
- No steel reinforcement is required in cube or auger style footings where the support column is embedded directly to the bottom of the footing.
- The structure has been designed to withstand a 115 mph (3-sec gust) design wind speed with a maximum design pressure of 38.4 psf according to ASCE 7-10. (Exposure C, Risk Cat II)
  - This design is not valid for areas with special wind requirements in excess of those listed above.
  - If the proposed structure is located in the proximity of a bluff, the top or base of a steep hill, or any other geographical feature that may affect the wind flow around the sign, the installer shall contact Cornerstone for potential redesign or re-evaluation.
- 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 footings as per IBC 1806.3.4.
  - 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.
- 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.
  - 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.
- 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.



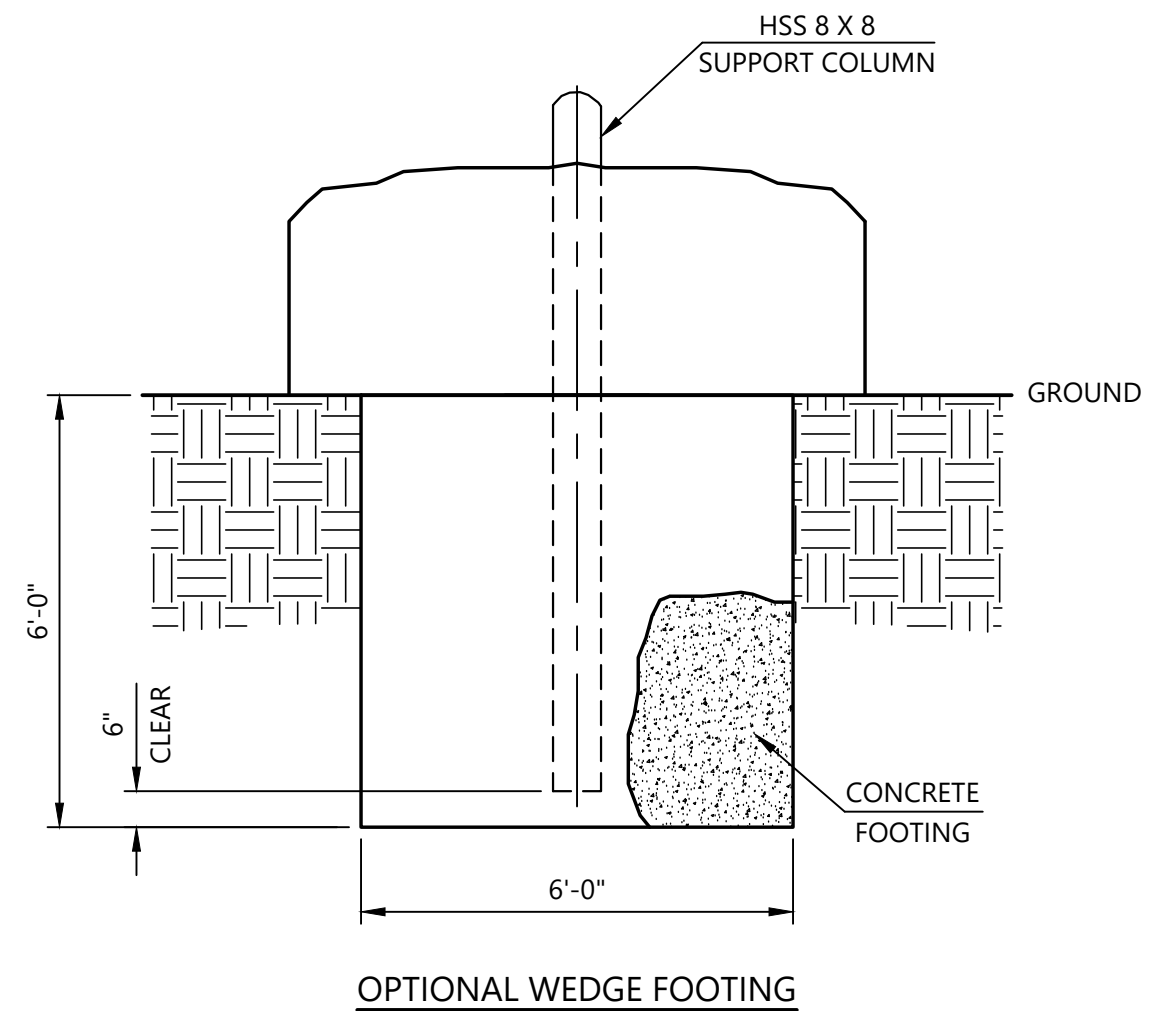
**ELEVATION VIEW**



**FOUNDATION PLAN VIEW**



**OPTIONAL WEDGE FOOTING PLAN VIEW**



**OPTIONAL WEDGE FOOTING**

This item has been electronically signed and sealed by Andrew K. Lewis, P.E. on the date shown on the time stamp using a digital signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

ANDREW K. LEWIS



NC P.E. # 027199  
NC FIRM # C-2064