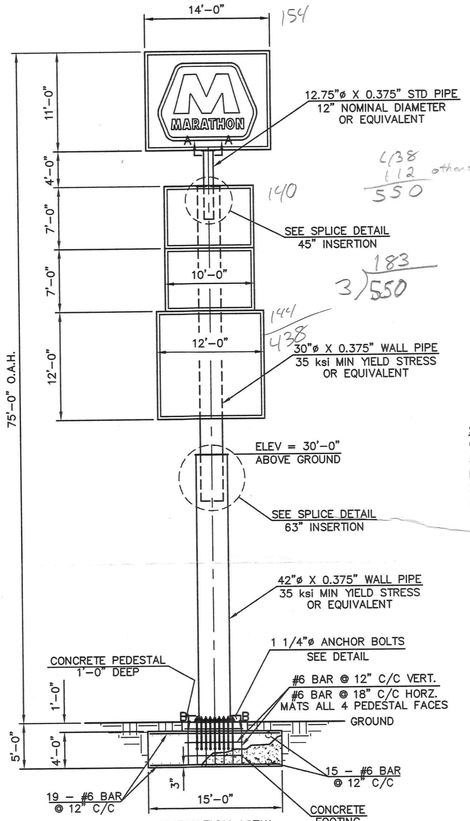
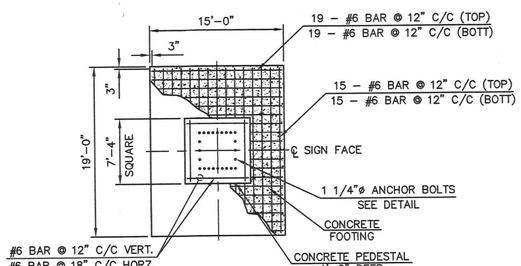
GENERAL NOTES:

1. All design, fabrication, installation and construction shall conform to the following specifications, unless specifically noted otherwise on the drawing:
   - The 2005 Ohio Building Code
   - The 2003 International Building Code
   - American Concrete Institute Building Code Requirements for Reinforced Concrete (318–02).
   - American Institute of Steel Construction, Inc Manual of Steel Construction (9th Edition).
   - American Welding Society ANSI/AWS D1.1–2002 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, 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 anchor bolts shall be ASTM A307, or equal and shall be installed as per AISC 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 7 days, provided the curing process has been properly maintenanced in accordance with ACI 318–02.
5. All reinforcement steel shall have a minimum yield strength of 60,000 psi and shall conform to ASTM A615. All reinforcement steel shall be placed in accordance with ACI 318–02.
   - All reinforcement steel shall be provided with a minimum concrete cover of 3" when concrete is cast against earth.
   - Reinforcement steel shall not be 'tack' welded at crossing points.
6. The structure has been designed to withstand a 90 mph (3–sec gust) design wind speed with a maximum design pressure of 21.4 psf according to ASCE 7–98. (Exposure C)
   - 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.
7. The foundation has been designed assuming the following average soil conditions:
   - Allowable Vertical Bearing Pressure of 2000 psf (This value is used for spread type footings.)
   - 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.

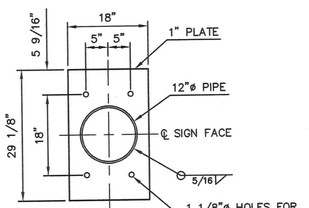


ELEVATION VIEW



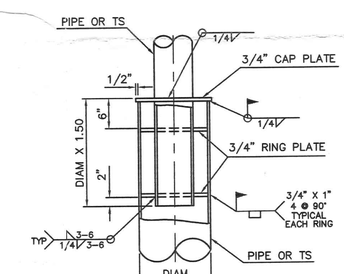
FOUNDATION PLAN VIEW

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

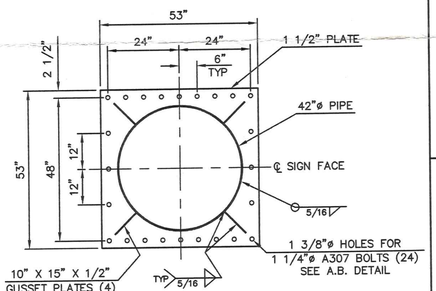


SECTION A–A
3/4"=1'–0"

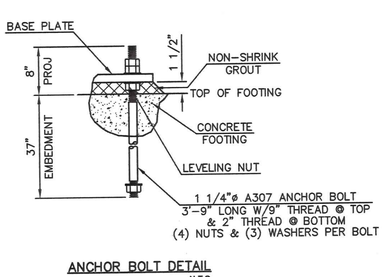
SPLICE NOTE:
GAPS LARGER THAN 1/8" BETWEEN RINGS AND LOWER PIPE ARE UNACCEPTABLE.
FIELD MODIFICATIONS ARE PROHIBITED WITHOUT CORNERSTONE'S APPROVAL.
SEE NOTE 3.



TYPICAL SPLICE DETAIL
N.T.S.



SECTION B–B
1/2"=1'–0"



ANCHOR BOLT DETAIL
N.T.S.

CORNERSTONE ENGINEERING, INC.
302 College Street, P.O. Box 1029 - Madisonville, TN 37354
(423) 420-1741 Fax (423) 420-1747

PREPARED FOR:
EVERBRITE
315 Marion Ave. - South Milwaukee, WI 53172-9977

11' X 14' Marathon @ 75'–0" Height
905 American Rd. – Napoleon, Ohio

Project #: 051458	Drawn By: CRS	Scale: 1/4"=1'–0"
Dwg #: C9289	Date: 07/27/05	Sheet: 1 of 1

ANDREW K. LEWIS

STATE OF OHIO
ANDREW K. LEWIS
E-65216
REGISTERED PROFESSIONAL ENGINEER
1-27-05

OH P.E. # E-65216