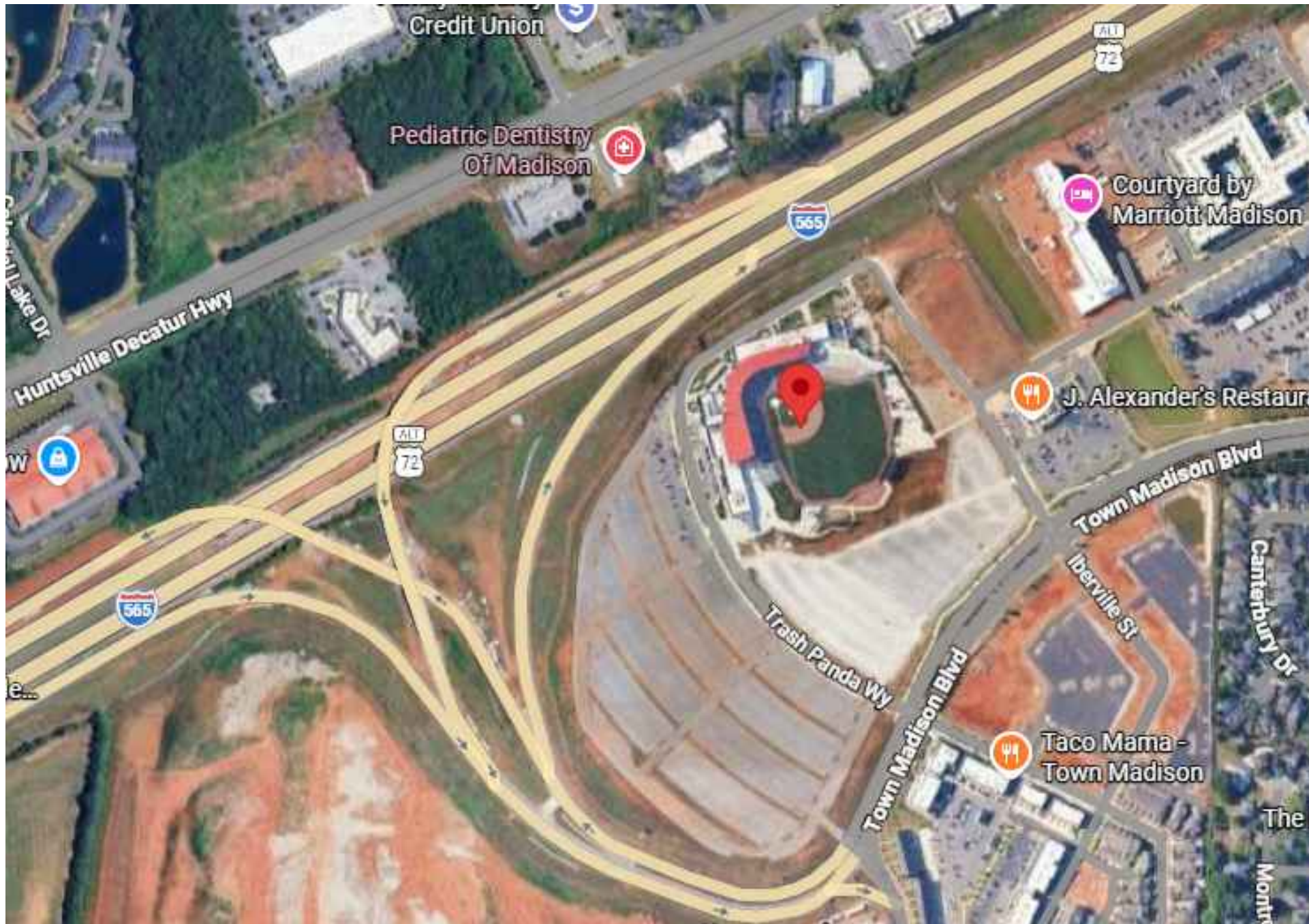


STRUCTURAL PLANS
FOR
MADISON SIGN

500 TRASH PANDA WAY
MADISON, AL 35758

JUNE 16, 2026

PROJECT LOCATION

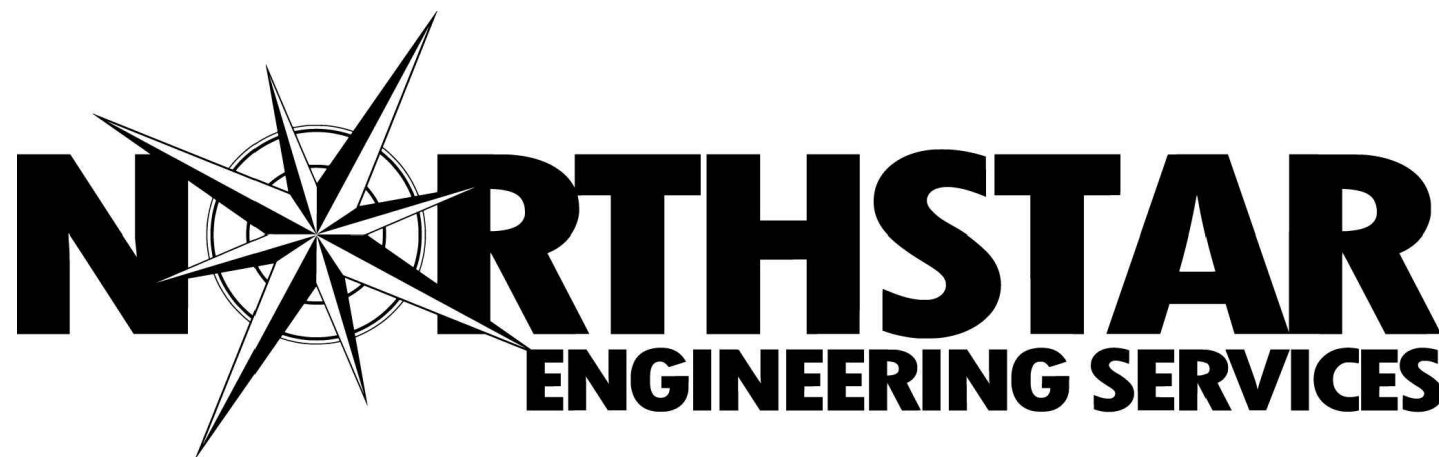


VICINITY MAP
NOT TO SCALE

INDEX TO SHEETS

COVER SHEET/INDEX	S0.1
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SIGN PLAN	S1.1

NES PROJECT NO. 37-2609



2431 HARTFORD HIGHWAY DOTHAN, ALABAMA 36305
(P) 334.673.9895 (F) 334.673.1846
www.northstarengineering.com



THIS ITEM HAS BEEN DIGITALLY SIGNED AND
SEALED BY PHILLIP E. SANTORA P.E. ON THE DATE
ADJACENT TO THE SEAL.

Phillip E. Santora
Professional Engineer
No. 22524-E
State of Alabama

STRUCTURAL NOTES:

GENERAL NOTES:

- PRECEDENCE: THE ARCHITECTURAL PLANS TAKE PRECEDENCE OVER THE STRUCTURAL PLANS REGARDING GENERAL OVERALL DIMENSIONS AND DISTANCES BETWEEN CONSTRUCTION LINES. IN CASE OF ANY DISCREPANCY, THE INFORMATION CONTAINED IN THE ARCHITECTURAL PLANS SHALL CONTROL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS AGAINST THE ARCHITECTURAL PROJECT, AND IF NECESSARY, ADJUSTING THE ELEVATIONS AS ANNOTATED IN THESE PLANS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ARCHITECT REGARDING ELEVATIONS PRIOR TO FABRICATION, ERECTION, AND/OR CONSTRUCTION.
- THESE STRUCTURAL DOCUMENTS WERE PREPARED ACCORDING TO THE 2021 INTERNATIONAL BUILDING CODE.
- ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED WITH THE ARCHITECT AND WITH THE STRUCTURAL ENGINEER BY THE CONTRACTOR AND/OR SUBCONTRACTOR, PRIOR TO SUBMISSION OF RELEVANT SHOP DRAWINGS FOR REVIEW AND PRIOR TO COMMENCEMENT OF FABRICATION AND CONSTRUCTION.
- THE CONTRACTOR AND/OR SUBCONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE STRUCTURAL ENGINEER IN WRITING OF FIELD CONDITIONS WHICH ARE IN CONFLICT WITH THE STRUCTURAL DOCUMENTS.
- THE NEW STRUCTURE ARE NOT TO BE CONSIDERED SELF-SUPPORTING FOR LATERAL EARTH, WIND OR SEISMIC LOADS UNTIL ALL FLOOR AND ROOF DIAPHRAGMS AND LOAD- BEARING ELEMENTS ARE INSTALLED AND THEIR CONNECTIONS COMPLETED AS INDICATED ON THE STRUCTURAL DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL AND ANY TEMPORARY SUPPORT AS REQUIRED.
- THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, AND OTHER MEANS AND METHODS OF CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUBCONTRACTOR. THIS INCLUDES INPUT FROM A REGISTERED ENGINEER HIRED BY THE CONTRACTOR AND/OR SUBCONTRACTOR IF THE CONTRACTOR AND/OR SUBCONTRACTOR LACKS RELEVANT EXPERIENCE IN SUCH MEANS AND METHODS OF CONSTRUCTION.
- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH CIVIL, ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, REFRIGERATION, ELECTRICAL, AND ANY OTHER DISCIPLINE DRAWINGS BEFORE COMMENCEMENT OF WORK AND SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS.

FOUNDATION:

- THE FOUNDATION WAS DESIGNED, WITH AN ASSUMED LOAD-BEARING CAPACITY OF 2,000 psf. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONDUCT ALL THE NECESSARY GEOTECHNICAL ENGINEERING STUDIES AND TAKE APPROPRIATE STEPS TO ENSURE THIS MINIMUM CAPACITY IS MET. THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE IF THIS ASSUMED DESIGN BEARING CAPACITY IS NOT MET.
- GENERAL CONTRACTOR SHALL PERFORM HAND PENETROMETER TEST IN ALL ISOLATED FOUNDATIONS AND AT A MINIMUM OF 20' APART IN CONTINUOUS FOUNDATIONS. ANY SOIL CONDITION ENCOUNTERED DURING EXCAVATION THAT IS CONTRARY TO THE CONDITIONS USED FOR DESIGN OF FOOTINGS AS OUTLINED IN THESE NOTES, ON THE DRAWINGS, OR GEOTECHNICAL REPORT SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER OF RECORD BEFORE PROCEEDING.
- NO FOOTINGS SHALL BE PLACED IN WATER.
- BACK FILL BOTH SIDES OF FOUNDATION WALLS AT THE SAME TIME TO PREVENT OVERTURNING.

COMPACTION: UNLESS NOTED OTHERWISE IN THE GRADING PLANS, ALL FILLS SHALL FOLLOW THE COMPACTION RECOMMENDATIONS SET FORTH IN THE REPORT FOR THE GEOTECHNICAL STUDY OF THE SITE, OR IN THE ABSENCE OF ONE, SHALL MEET A 98% STANDARD PROCTOR TEST COMPACTION.

CONCRETE:

- THE CONCRETE USED SHALL MEET THE REQUIREMENTS OF ACI 318-19, AND THE FOLLOWING SPECIFICATIONS:
- COMPRESSIVE STRENGTH AT 28 DAYS.
FOUNDATIONS $f'_c = 3,000$ psi
- MAXIMUM AGGREGATE SIZE OF 1"
- MAXIMUM SLUMP OF 4" UNLESS APPROVED OTHERWISE.
- ALL COLUMN ANCHOR RODS SHALL BE INSTALLED IN THEIR CORRECT LOCATION, WITH TEMPLATE, PRIOR TO POURING THE COLUMN FOUNDATION.
- DETAILS OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 315 (SP-66) "ACI DETAILING MANUAL" AND CRSI "MANUAL OF STANDARD PRACTICE".
- CONCRETE MIX DESIGNS SHALL BE ESTABLISHED BY THE SUPPLIER IN ACCORDANCE WITH ACI SPECIFICATIONS. MIX DESIGNS AND BACK-UP DATA SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE. RESULTS FOR ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON THE JOB SITE FOR REVIEW BY THE INSPECTOR.
- CONTROL JOINTS SHALL BE PLACED AND SHALL NOT EXCEED 10 FT AND SHALL BE AS SQUARE AS POSSIBLE WITHOUT EXCEEDING A LENGTH TO WIDTH RATIO OF 1.5 TO 1 OR AS SHOWN ON FOUNDATION PLAN.
- DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.01 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE STRUCTURAL ENGINEER.
- CONCRETE CONSTRUCTION SHALL COMPLY WITH ACI MNL-15(20). IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE COMPLIANCE.

REINFORCING STEEL:

- REINFORCING BARS SHALL BE ASTM A615 GRADE 60 AND CONFORM TO THE ACI 318-19 AND MEET THE FOLLOWING REQUIREMENTS.
- MINIMUM COVER DISTANCE SHALL CONFORM TO CHAPTER 20 OF ACI 318-19.
- ALL REINFORCING BARS IN CONCRETE SHALL USE CLASS "B" TENSION SPLICES, AND BE IN CONFORMANCE WITH CHAPTER 20 OF ACI 318-19, UNLESS INDICATED OTHERWISE.
- LONGITUDINAL REINFORCING IN FOOTINGS AND WALLS SHALL BE CONTINUOUS AT CORNERS AND INTERSECTIONS, UNLESS INDICATED OTHERWISE.
- STEEL REINFORCEMENT SHALL COMPLY WITH ACI SP-66 (04) "DETAILING MANUAL".
- PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH ACI 318 AND CRSI "MANUAL OF STANDARD PRACTICE". ALL BAR SUPPORTS IN AREAS WHERE CONCRETE WILL BE EXPOSED SHALL HAVE PLASTIC TIPPED FEET. THE CONTRACTOR IS CAUTIONED THAT CARE MUST BE EXERCISED TO PREVENT EXPOSURE OF TIE WIRE OR OTHER MATERIAL WHICH MAY CAUSE STAINING OF EXPOSED CONCRETE. PROPER COVER SHALL BE MAINTAINED ON ALL REINFORCEMENT.

STRUCTURAL METALS:

- DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISC 360-16, 15TH EDITION OF THE AISC MANUAL AND SPECIFICATION OF STEEL CONSTRUCTION, AND THE STRUCTURAL WELDING CODE (AWS D1.1), LATEST EDITION, BY THE AMERICAN WELDING SOCIETY.
- FABRICATOR SHALL PREPARE SHOP DRAWINGS IN ACCORDANCE WITH THESE DESIGN DRAWINGS. THE SHOP DRAWINGS SHALL PROVIDE ERECTION DRAWINGS SHOWING PLACEMENT OF EACH MEMBER. EACH MEMBER IS TO BE INDIVIDUALLY LABELED AND DETAILED.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 GRADE 50 EXCEPT CHANNELS, PLATES, ANGLES AND TENSION RODS SHALL CONFORM TO ASTM GRADE 36. RECTANGULAR HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO ASTM A500 GRADE C. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE 36.
- ALL STRUCTURAL SHOP AND FIELD WELDING SHALL BE MADE WITH ELECTRODES DESIGNATED BY E70XX LOW HYDROGEN, IN ACCORDANCE WITH AWS D1.1 PERFORMED BY CERTIFIED WELDERS.

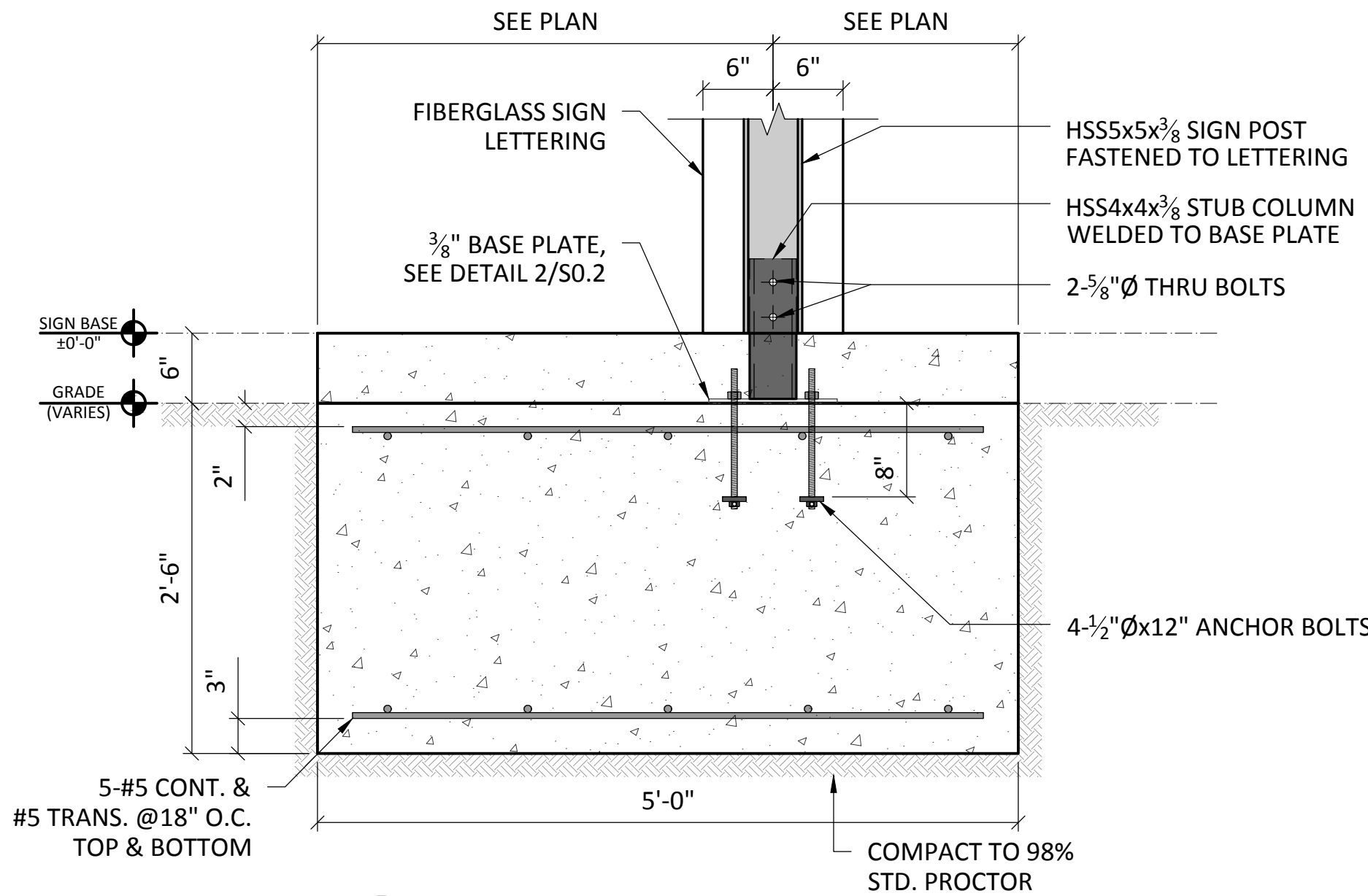
- PRIMER FOR STRUCTURAL STEEL SHALL BE TNEMEC 10-99 SHOP APPLIED TO A MINIMUM OF 2 MILS DRY FILM THICKNESS.

STRUCTURAL SUBMITTALS:

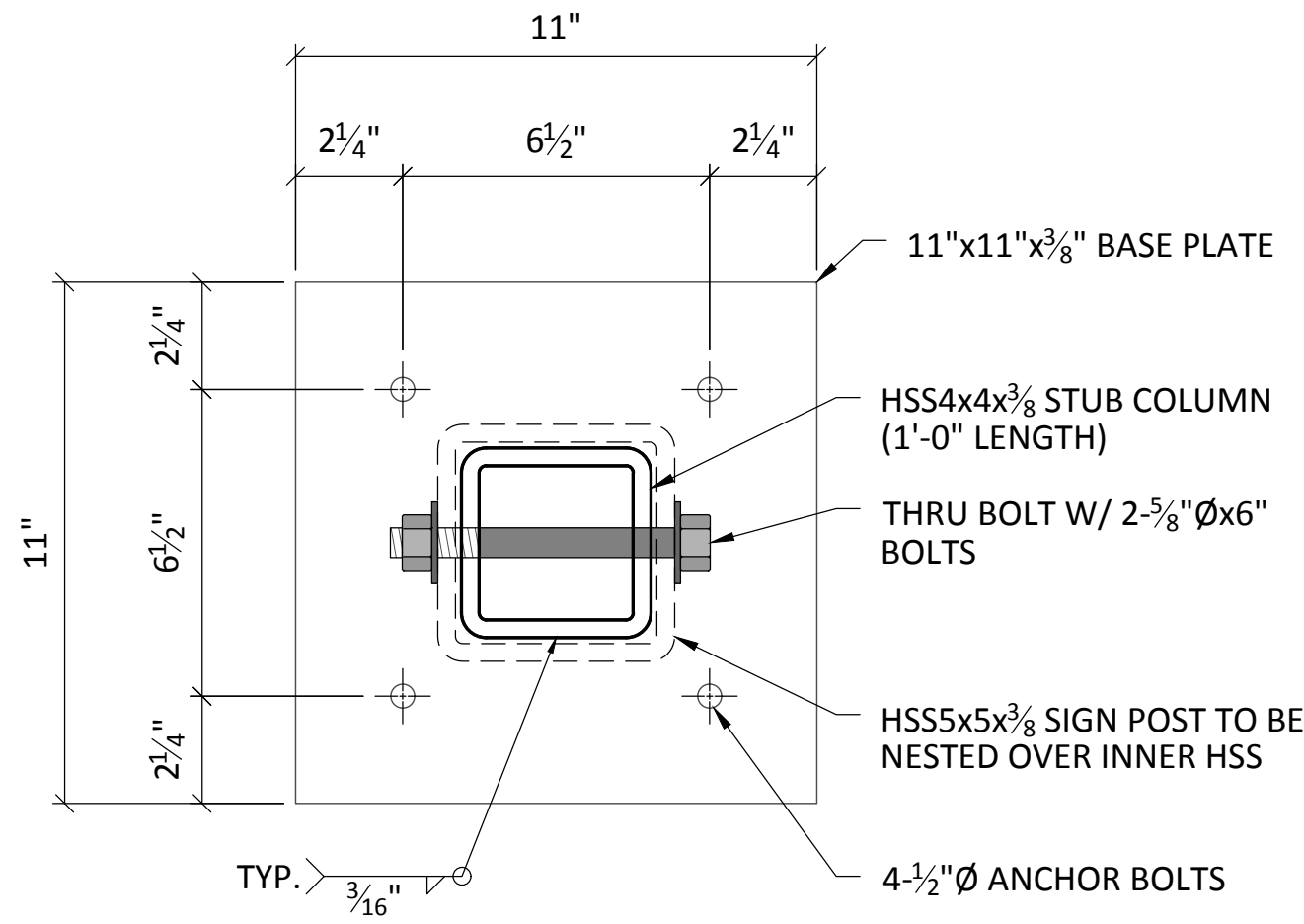
- CONTRACTOR IS TO FURNISH ELECTRONIC COPIES OF ALL SHOP DRAWING TRANSMITTALS TO THE STRUCTURAL ENGINEER OF RECORD.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW THE SHOP DRAWINGS BEFORE SUBMITTING THEM TO NORTHSTAR ENGINEERING SERVICES, FOR REVIEW. NORTHSTAR ENGINEERING SERVICES WILL REVIEW THE SHOP DRAWINGS TO ENSURE THEY FOLLOW THE DESIGN INTENT OF THESE DESIGN DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERRORS OR OMISSIONS OF THE SHOP DRAWINGS.
- STRUCTURAL SUBMITTALS THAT MUST BE SUBMITTED TO THE ENGINEER OF RECORD INCLUDE: STRUCTURAL STEEL, WOOD ROOF TRUSSES, CONCRETE REINFORCING BARS, ANCHOR BOLTS OR ANCHORING SYSTEMS, CONCRETE MIX DESIGNS

DESIGN LOADS:

WIND LOADING ASCE 7-16
RISK CATEGORY = I
BASIC WIND SPEED (ULTIMATE) = 99 MPH
EXPOSURE CATEGORY = B



1
S0.2 FOUNDATION SECTION
(SCALE: 1" = 1'-0")



2
S0.2 BASE PLATE DETAIL
(SCALE: 3" = 1'-0")

PROJECT No.
37-2609

DATE: JUN 16, 2026
SCALE: AS INDICATED

DRAWN BY:

N. PARRISH

APPROVED BY:

P. SANTORA

REVISIONS:

STRUCTURAL PLANS FOR
MADISON SIGN
500 TRASH PANDA WY
MADISON, AL 35758
STRUCTURAL NOTES & DETAILS

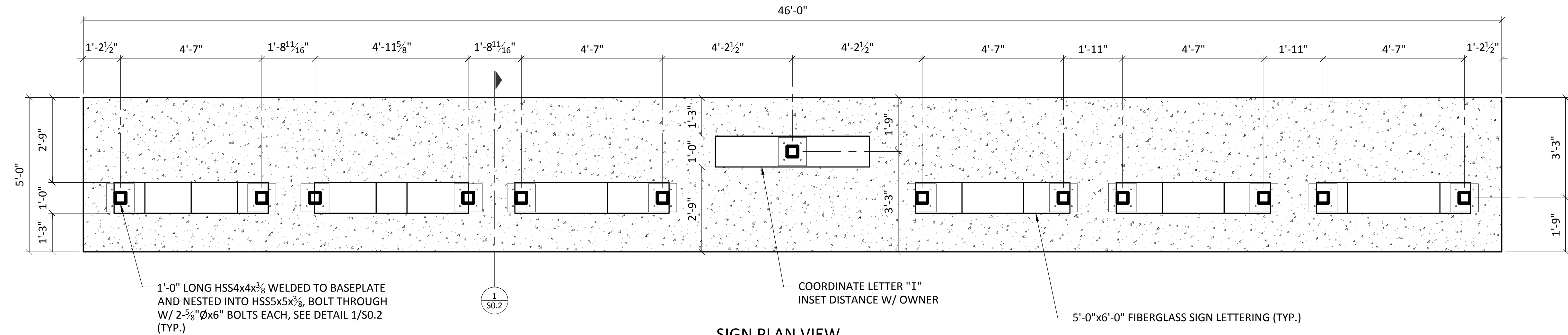


AL CERT. OF AUTH.
CA-1896E, CA-0621LS
FL CERT. OF AUTH.
26312-E, 7858-S
GA CERT. OF AUTH.
003129, LSF001156
MS CERT. OF AUTH.
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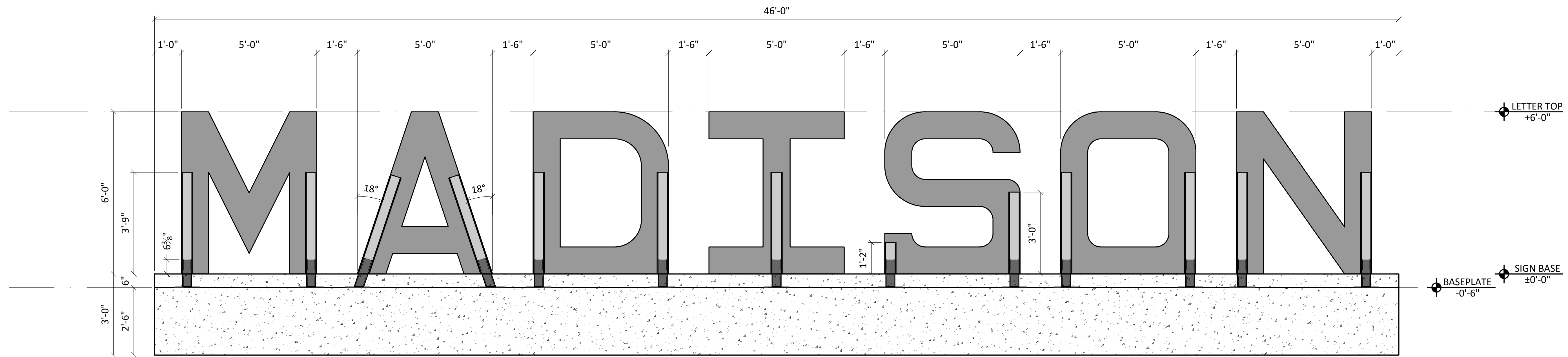
Phillip E Santora

SHEET **S0.2**
OF **3**



SIGN PLAN VIEW

(SCALE: 1/2" = 1'-0")



SIGN ELEVATION VIEW

(SCALE: 1/2" = 1'-0")

PROJECT No.

37-2609

DATE: JUN 16, 2026

SCALE: 1/2" = 1'-0"

DRAWN BY:

N. PARRISH

APPROVED BY:

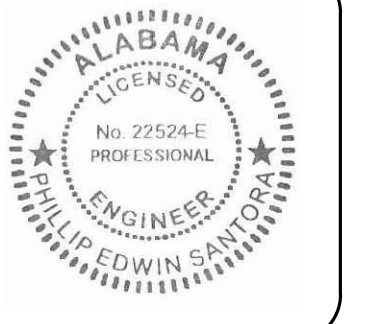
P. SANTORA

REVISIONS:

STRUCTURAL PLANS FOR
MADISON SIGN
500 TRASH PANDA WY
MADISON, AL 35758
SIGN PLAN



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Phillip E Santora

SHEET **S1.1**
OF **3**