ADDENDUM NO. 1

PROJECT NAME: **NE Soccer & Tennis Complex Scoreboards**
UNL PROJECT NUMBER: **C909P101/ 10186-SB**
BID INVITATION NUMBER: **2341-14-5216**

CONSULTANT: RDG Planning & Design
ADDRESS: 301 Grand Avenue
Des Moines, IA 50309

DATE OF ISSUANCE: April 3, 2014
DATE OF BID OPENING: Thursday, April 10, 2014
3:00 PM CDT

The bid documents, plans dated 3/14/14 and project manual dated 3/14/14, for the above referenced project are amended by this addendum.

NOTICE: This Addendum is issued to all interested prospective bidders as an amendment to the project manual or other parts of the bidding (contract) documents for the above named project. Reference to this Addendum must be included in the Bid proposal. The information contained herein shall be fully incorporated into the contract documents as though originally included therein.

PRE-BID MEETING QUESTIONS

The following questions were asked at the Pre-Bid Meeting held on 3/25/2014. Responses are noted in bold print. See attachment for Pre-Bid Meeting sign-in sheet.

2PB-1 Are there any contaminated soils on the site? Response: Some poor structural soil conditions have been encountered but the soil is not known to have contaminants such as chemicals or petroleum.

2PB-2 Where are scoreboard controls to be located? Response: In the Pressbox next to the time keeper and announcer positions. See clarification of location in this addendum.

2PB-3 There is a completion date listed in the bid documents. Is this an absolute date? Response: The date listed in the Bid Documents is an estimate based on the anticipated General Contractor's schedule. All Scoreboard work including completion must be coordinated with the General Contractor's schedule.

2PB-4 When can work on footings begin? Can scoreboard installation occur immediately afterward? Response: Sequence and duration of tasks is unknown and must be coordinated with the General Contractor.

2PB-5 Is conduit allowed to be run under the post-tensioned tennis court slab at Outdoor Tennis? Response: Conduit, when properly installed below the rock sub-base, is allowed but power and communications conduits are installed by others in the General Contractor scope of work.

GENERAL INFORMATION

The route of the electrical shall not pass under the soccer playing field.

ADDENDA TO THE PROJECT MANUAL

Landscape Specification Items

1GS-1 SECTION 07 42 43.13 – FORMED METAL PANELS

A. ADD Spec Section: SECTION 07 42 43.13 – FORMED METAL PANELS.

1GS-2 SECTION 11 66 43 – SCOREBOARDS

A. REVISE Section 2, Paragraph J. 1:

1. DELETE "NTSC and SDTV" and REPLACE with "HDTV 720P and 1080P".

B. REVISE Section 2, Paragraph J, 2, a to read as follows:

a. "Video input control with gamma correction and full Proc Amp control of video signal."

C. REVISE Section 2, Paragraph J, 3, A, 1 and 3 and ADD 11 to read as follows:

1. 1 GB Graphics Card, i7 Processor.

3. RAM MEMORY: 6 GB

11. 4 On Board USB 3.0 Ports, 2 – 9 pin serial ports for data.

D. REVISE Section 2, Paragraph J, 3, B, 5 by adding the following sentence:

1. "Accept and decode Stat Crew XML and receive data from Stat.com."

E. REVISE Section 2, Paragraph J, 3, B, 11 by adding the following sentence:

1. REPLACE "composite"" with "HD-SDI".

2. ADD the following sentence: "DVI delivered to the LED board via fiber optics transport."

F. REVISE Section 2, Paragraph J, 3, D, 1 by adding the following sentence:

1. ADD the following sentence: "Must play all available Quicktime codecs including H.264, Apple Pro Res, DVCPro HD, .m4v."

G. REVISE Section 2, Paragraph K, 2, A1, C1, and D8 as follows:

A, 1. ADD the following: "1080P."

C. 1. ADD the following: "Minimum 2 ports on rear of computer (9 pin connection)"

D. 8. ADD the following: "Fiber infrastructure from Controller to LED Board."

ADDENDA TO THE DRAWINGS

Landscape Drawing Items

1GD-1 DRAWING L2.04 – SITE LAYOUT PLAN – SCOREBOARDS

A. Revise per attached Drawing AD1-LA03.

1GD-2 DRAWING L5.07 – SITE DETAILS - SCOREBOARDS

A. Revise per attached Drawings AD1-LA01 and AD1-LA02.

Structural Drawing Items

1GD-3 DRAWING S7.32 – SCOREBOARD STRUCTURES

A. Revise per attached drawing S7.32. Modifies details 1 and 2.

End of Addendum No. 1

RDG...
PLANNING ● DESIGN

3/25/14

PREBID MEETING

UNL SOCCER & TENNIS COMPLEX · SCOREBOARDS

MARTY MILLER	RDG	mmiller@rdgusa.com	515.288.3141
Matt Wanke	Daktronics	Matt.wanke@daktronics.com	605-695-7598
KEVIN HERR	DBI	Kevin.herr.dbi@gmail.com	402-641-4880
Brad Mudling	UNL FPC		
John Ingram	Nu Athletics	jingram@huskers.com	472 1959
Pat Schosta	American Lift	Pats@amelift.com	402 572-1044
Nick Schulz	RDG		
Jason Biome	RDG		

SECTION 07 42 13.13 - FORMED METAL PANELS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Concealed-fastener, lap-seam metal wall panels.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.
   1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory.

B. Shop Drawings:
   1. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
   2. Accessories: Include details of the flashing, trim, and anchorage systems, at a scale of not less than 1-1/2 inches per 12 inches.

C. Samples for Verification: For each type of exposed finish, prepared on Samples of size indicated below:
   1. Metal Panels: 12 inches long by actual panel width. Include fasteners, closures, and other metal panel accessories.

1.4 INFORMATIONAL SUBMITTALS

A. Sample Warranties: For special warranties.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For metal panels to include in maintenance manuals.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver components, metal panels, and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.

B. Unload, store, and erect metal panels in a manner to prevent bending, warping, twisting, and surface damage.

C. Stack metal panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal panels to ensure dryness, with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting, or other surface damage.

D. Retain strippable protective covering on metal panels during installation.

1.8 FIELD CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal panels to be performed according to manufacturers' written instructions and warranty requirements.

1.9 COORDINATION

A. Coordinate metal panel installation with flashing, trim, construction of supporting structure, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.10 WARRANTY

A. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
   1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
      a. Color fading more than 5 Hunter units when tested according to ASTM D 2244.
      b. Chalking in excess of a No. 8 rating when tested according to ASTM D 4214.
      c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
   2. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Structural Performance: Provide metal panel systems, including but not limited to panel subframing and attachment clips and fasteners, capable of withstanding the effects of the following loads, based on testing according to ASTM E 1592 or as determined by a comprehensive engineering analysis by a qualified professional engineer:
   1. Wind, Dead and Live Loads: As determined from applicable code requirements.

B. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
   1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

2.2 CONCEALED-FASTENER, LAP-SEAM METAL WALL PANELS

A. General: Provide factory-formed metal panels designed to be field assembled by lapping and interconnecting side edges of adjacent panels and mechanically attaching through panel to supports using concealed fasteners. Include accessories required for weathertight installation.

B. Flush-Profile, Concealed-Fastener Metal Wall Panels: Formed with vertical panel edges; with flush joint between panels.
   1. Basis of Design Product: CENTRIA Architectural Systems; Profile Series IW-10A Concealed Fastener Panel. Subject to compliance with requirements, provide the named product or a comparable product by one of the following:
      a. AEP Span; a BlueScope Steel company.
      b. Berridge Manufacturing Company.
      c. CENTRIA Architectural Systems.
      d. Fabral.
      e. IMETCO; a division of Innovative Metals Company, Inc.
      f. Morin; a Kingspan Group company.
      g. Petersen Aluminum Corporation.
   2. Metallic-Coated Steel Sheet: Zinc-coated (galvanized) steel sheet complying with ASTM A 653/A 653M, G90 coating designation, or aluminum-zinc alloy-coated steel sheet complying with ASTM A 792/A 792M, Class AZ50 coating designation; structural quality. Prepainted by the coil-coating process to comply with ASTM A 755/A 755M.
      a. Nominal Thickness: 0.0469 inch (18 gage).

b. Exterior Finish: Two-coat fluoropolymer.
c. Color: Black.

3. Panel Profile: Smooth face; without grooves. Provide perforated panels where indicated on Drawings for ventilation. Verify opening requirements with scoreboard manufacturer.
4. Panel Coverage: 12 inches.
5. Panel Height: 1.5 inches.

2.3 MISCELLANEOUS MATERIALS

A. Miscellaneous Metal Subframing: ASTM C 645, cold-formed, metallic-coated steel sheet, ASTM A 653/A 653M, G90 coating designation or ASTM A 792/A 792M, Class AZ50 aluminum-zinc-alloy coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of metal panel system.

B. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
1. Closures: Provide closures fabricated of same metal as metal panels.
2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer.
3. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin-foam or closed-cell laminated polyethylene; minimum 1-inch- thick, flexible closure strips; cut or premolded to match metal panel profile. Provide closure strips where indicated or necessary to ensure weathertight construction.

C. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, bases, drips, corners, endwalls, framed openings, caps, reveals, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.

D. Panel Fasteners: Self-tapping screws designed to withstand design loads. Provide exposed fasteners with heads matching color of metal panels by means of plastic caps or factory-applied coating. Provide EPDM or PVC sealing washers for exposed fasteners.

E. Panel Sealants: Provide sealant type recommended by manufacturer that are compatible with panel materials, are nonstaining, and do not damage panel finish.
1. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch wide and 1/8 inch thick.
2. Joint Sealant: ASTM C 920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in metal panels and remain weathertight; and as recommended in writing by metal panel manufacturer.
3. Butyl-Rubber-Based, Solvent-Release Sealant: ASTM C 1311.

2.4 FABRICATION

A. General: Fabricate and finish metal panels and accessories, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.

B. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.

C. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.

2. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
3. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
4. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
    a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal wall panel manufacturer for application but not less than thickness of metal being secured.

2.5 FINISHES

A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

C. Steel Panels and Accessories:
1. Two-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
2. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored acrylic or polyester backer finish consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal panel supports, and other conditions affecting performance of the Work.

B. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Miscellaneous Supports: Install miscellaneous panel support members and anchorages according to ASTM C 754 and metal panel manufacturer's written recommendations.

3.3 METAL PANEL INSTALLATION

A. General: Install metal panels according to manufacturer's written instructions in orientation, sizes, and locations indicated. Install panels perpendicular to supports unless otherwise indicated. Anchor metal panels and other components of the Work securely in place, with provisions for thermal and structural movement.
1. Shim or otherwise plumb substrates receiving metal panels.
2. Flash and seal metal panels at perimeter of all openings. Fasten with self-tapping screws. Do not begin installation until flashings that will be concealed by metal panels are installed.
3. Install screw fasteners in predrilled holes.
4. Install flashing and trim as metal panel work proceeds.

5. Fasten flashings and trim around openings and similar elements with self-tapping screws.
6. Provide weathertight escutcheons for pipe- and conduit-penetrating panels.

B. Fasteners:
1. Steel Panels: Use stainless-steel fasteners.

C. Metal Protection: Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by metal panel manufacturer.

D. Watertight Installation:
1. Apply a continuous ribbon of sealant or tape to seal lapped joints of metal panels, using sealant or tape as recommend by manufacturer on side laps of nesting-type panels; and elsewhere as needed to make panels watertight.
2. Provide sealant or tape between panels and protruding equipment, vents, and accessories.
3. At panel splices, nest panels with minimum 6-inch end lap, sealed with sealant and fastened together by interlocking clamping plates.

E. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
1. Install components required for a complete metal panel system including trim, copings, corners, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items. Provide types indicated by metal wall panel manufacturer; or, if not indicated, provide types recommended by metal panel manufacturer.

F. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that are permanently watertight.
1. Install exposed flashing and trim that is without buckling and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and achieve waterproof performance.
2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 feet with no joints allowed within 24 inches of corner or intersection. Where lapped expansion provisions cannot be used or would not be sufficiently waterproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).

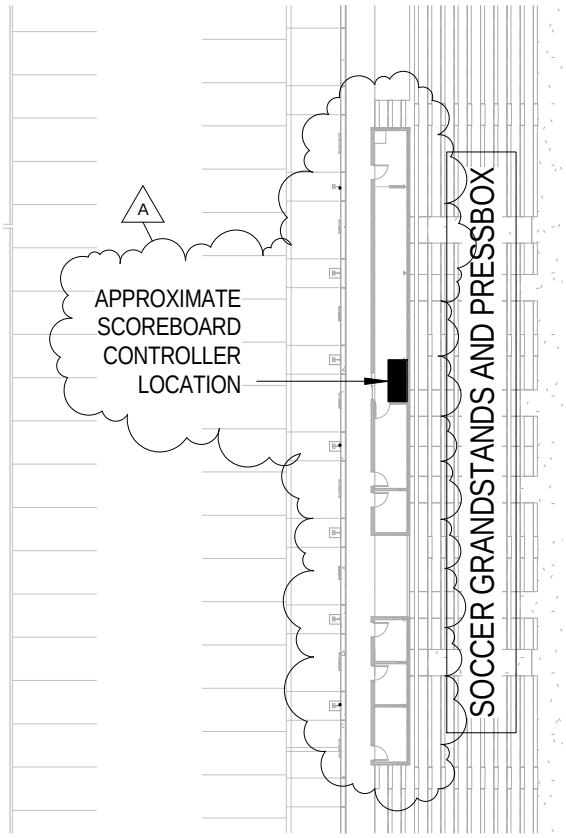
3.4 CLEANING AND PROTECTION

A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.

B. After metal panel installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.

C. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 07 42 13.13



1 ADD 1 - LAYOUT PLAN - SCOREBOARDS

1" = 40'-0"

RDg... PLANNING ● DESIGN

Project Number:	Date:	Change to Sheet:	Drawing:
2013.512.00	04/02/14	L2.04	AD1-LA03

UNIVERSITY OF NEBRASKA - LINCOLN

ADDENDUM 1

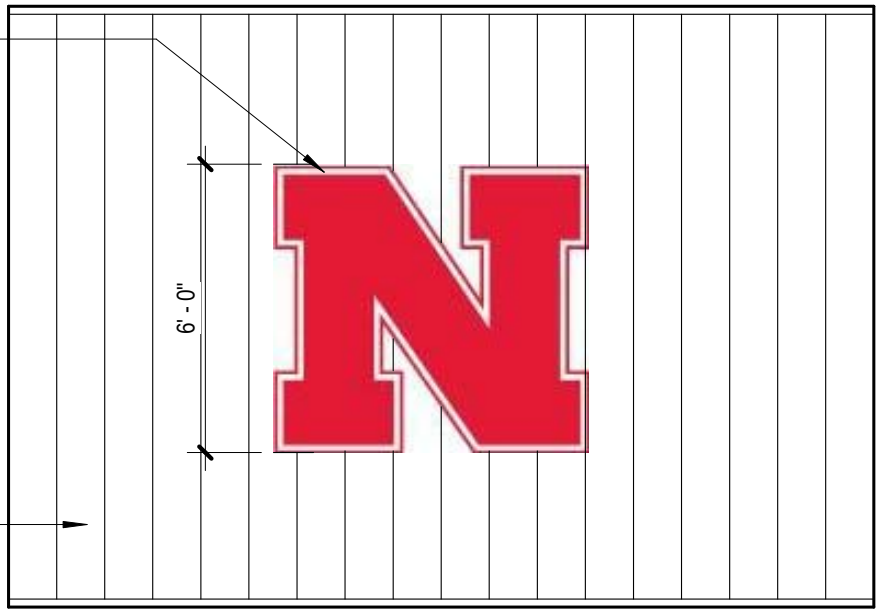
UNL SOCCER & TENNIS COMPLEX

BACK SIDE - OUTDOOR - MULTI-COURT - BASE BID

VINYL "N" LOGO. PMS 186 RED W/ RED AND WHITE TRIM. SUBMIT PANEL SAMPLE AND VINYL LOGO SAMPLE W/ COLOR FOR APPROVAL PRIOR TO FABRICATION.

PROVIDE CENTRIA WALL PANEL SYSTEM, BLACK ON BACK SIDE & SIDES OF SCOREBOARD. PROVIDE VENTILATION ON SIDES & TOP OF SCOREBOARD. SUBMIT DETAIL IN SHOP DRAWING SUBMITTAL.

A

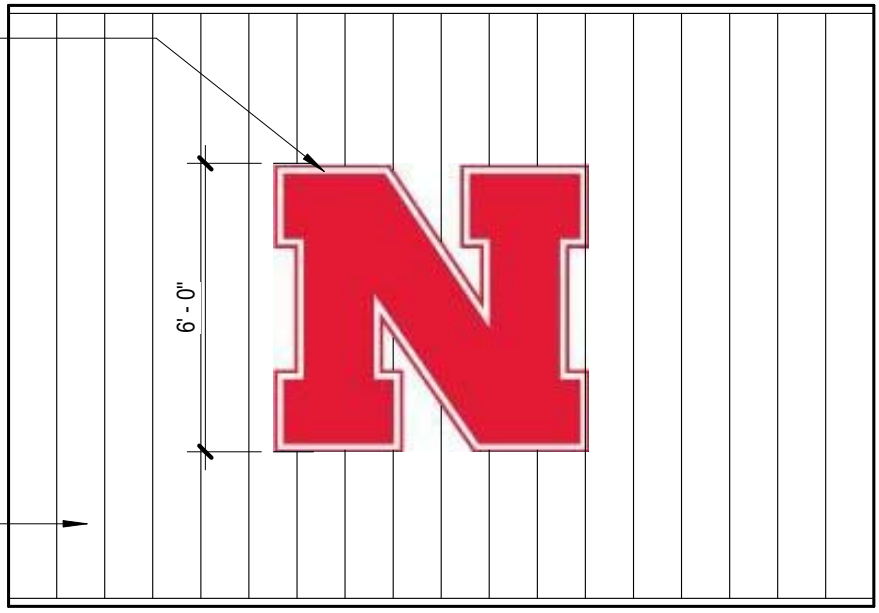


BACK SIDE - OUTDOOR - MULTI-COURT - BID ALTERNATE #2

VINYL "N" LOGO. PMS 186 RED W/ RED AND WHITE TRIM. SUBMIT PANEL SAMPLE AND VINYL LOGO SAMPLE W/ COLOR FOR APPROVAL PRIOR TO FABRICATION.

PROVIDE CENTRIA WALL PANEL SYSTEM, BLACK ON BACK SIDE & SIDES OF SCOREBOARD. PROVIDE VENTILATION ON SIDES & TOP OF SCOREBOARD. SUBMIT DETAIL IN SHOP DRAWING SUBMITTAL.

A



C3 ELEVATION - OUTDOOR TENNIS SCOREBOARDS

1/4" = 1'-0"

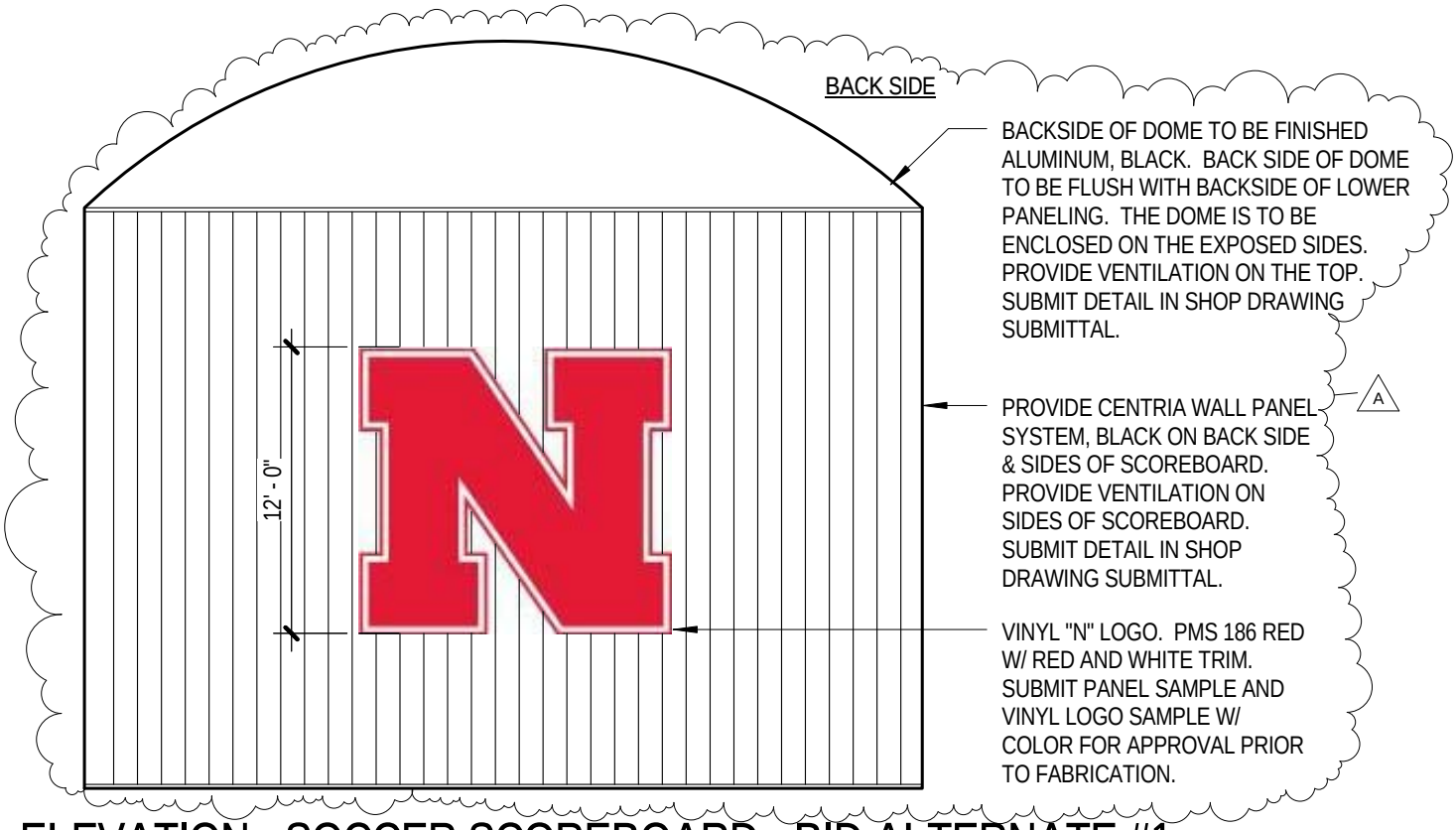
RDg... PLANNING ● DESIGN

Project Number:	Date:	Change to Sheet:	Drawing:
2013.512.00	04/02/14	C3/L5.07	AD1-LA01.

UNIVERSITY OF NEBRASKA - LINCOLN

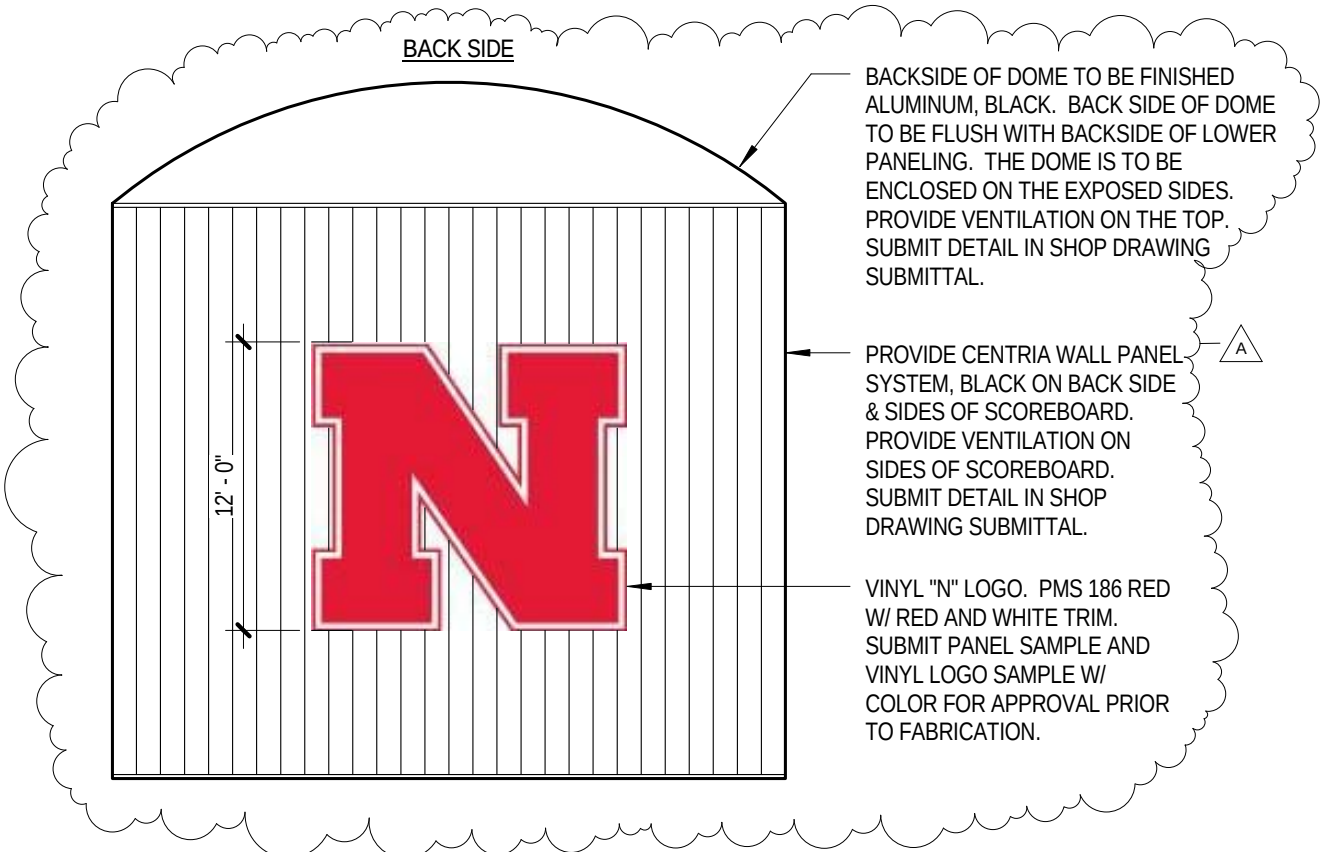
ADDENDUM 1

UNL SOCCER & TENNIS COMPLEX



B4 ELEVATION - SOCCER SCOREBOARD - BID ALTERNATE #1

1/8" = 1'-0"



A4 ELEVATION - SOCCER SCOREBOARD - BASE BID

1/8" = 1'-0"

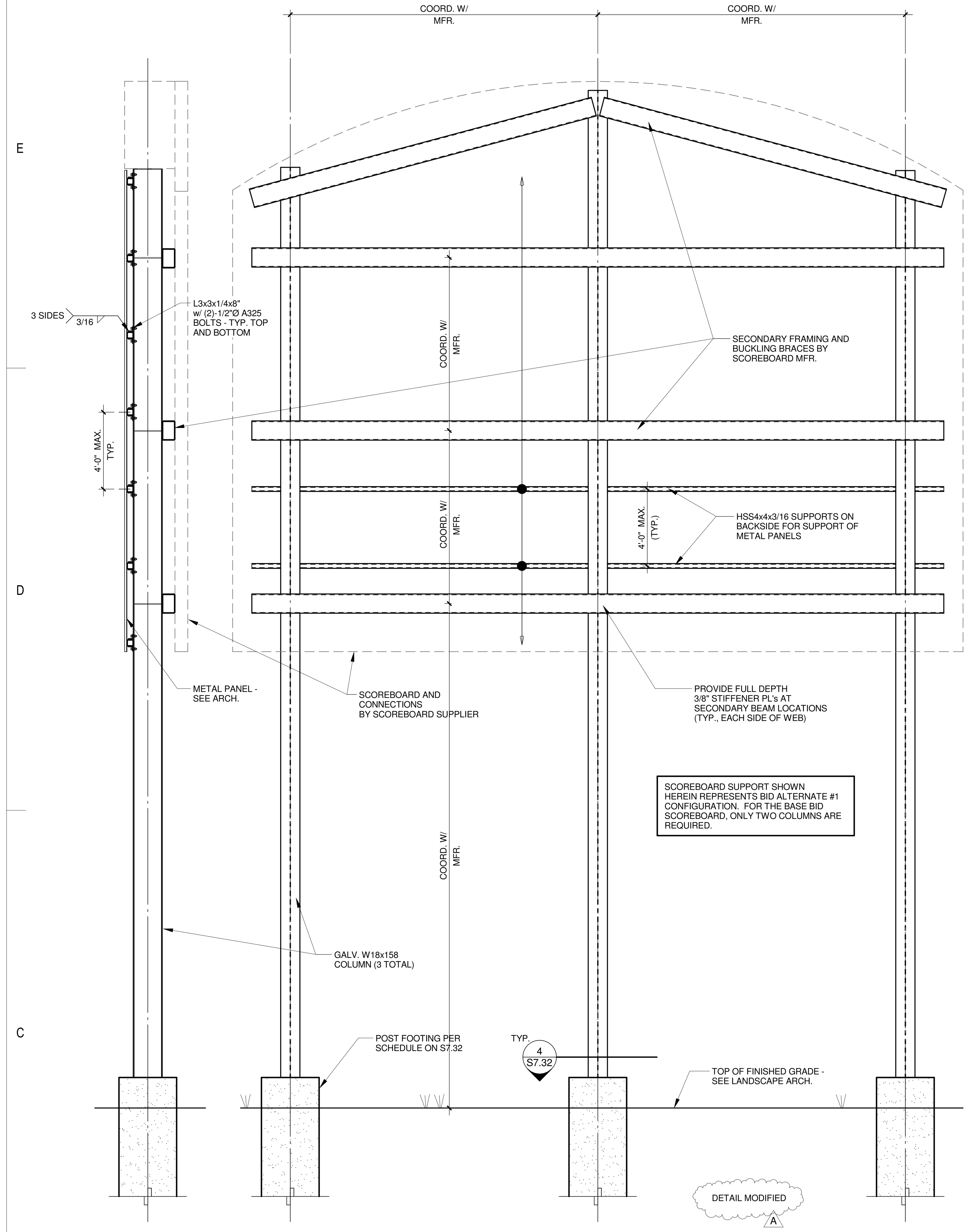
RDg... PLANNING ● DESIGN

Project Number:	Date:	Change to Sheet:	Drawing:
2013.512.00	04/02/14	A4 & B4/L5.07	AD1-LA02.1

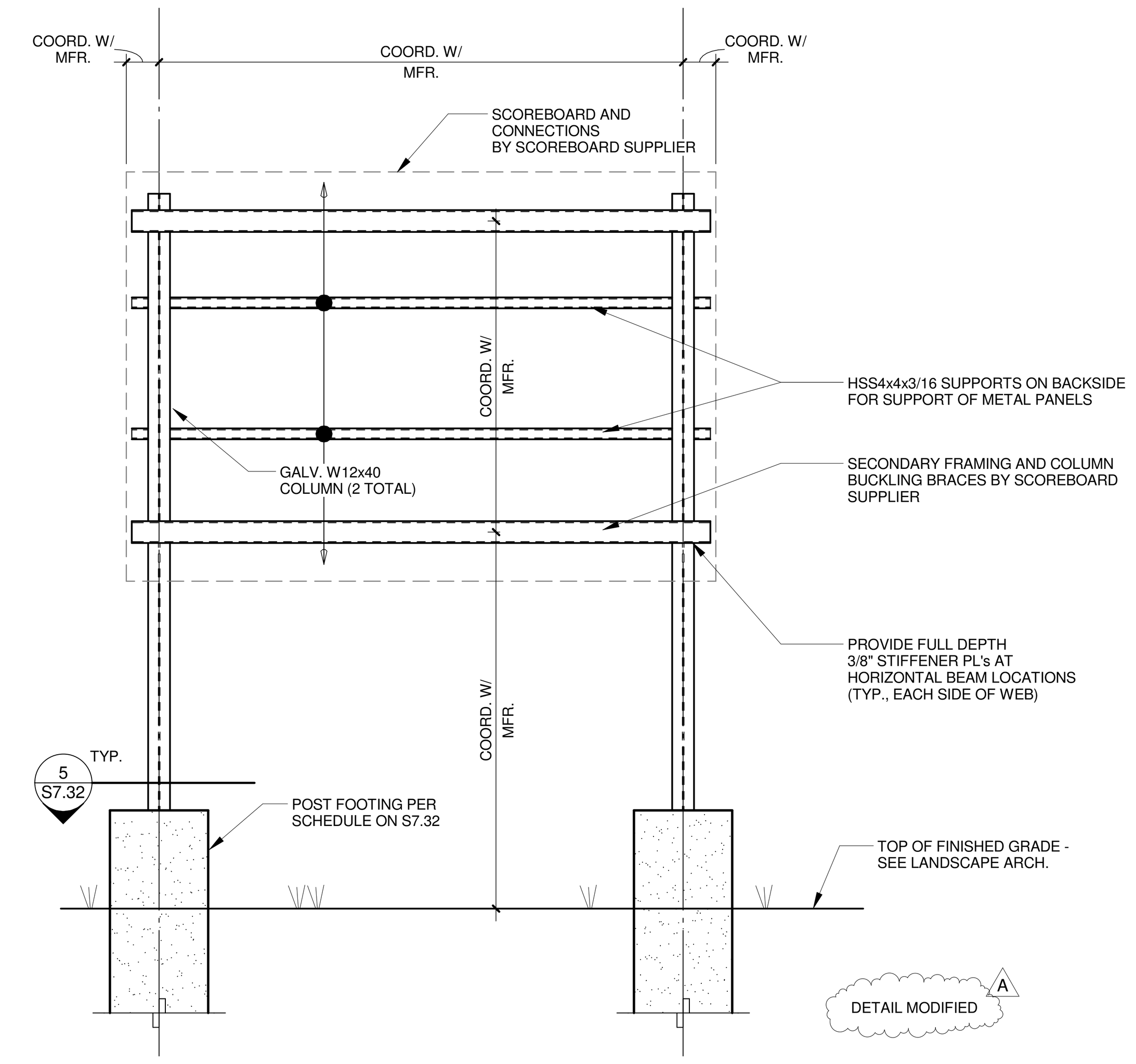
UNIVERSITY OF NEBRASKA - LINCOLN

ADDENDUM 1

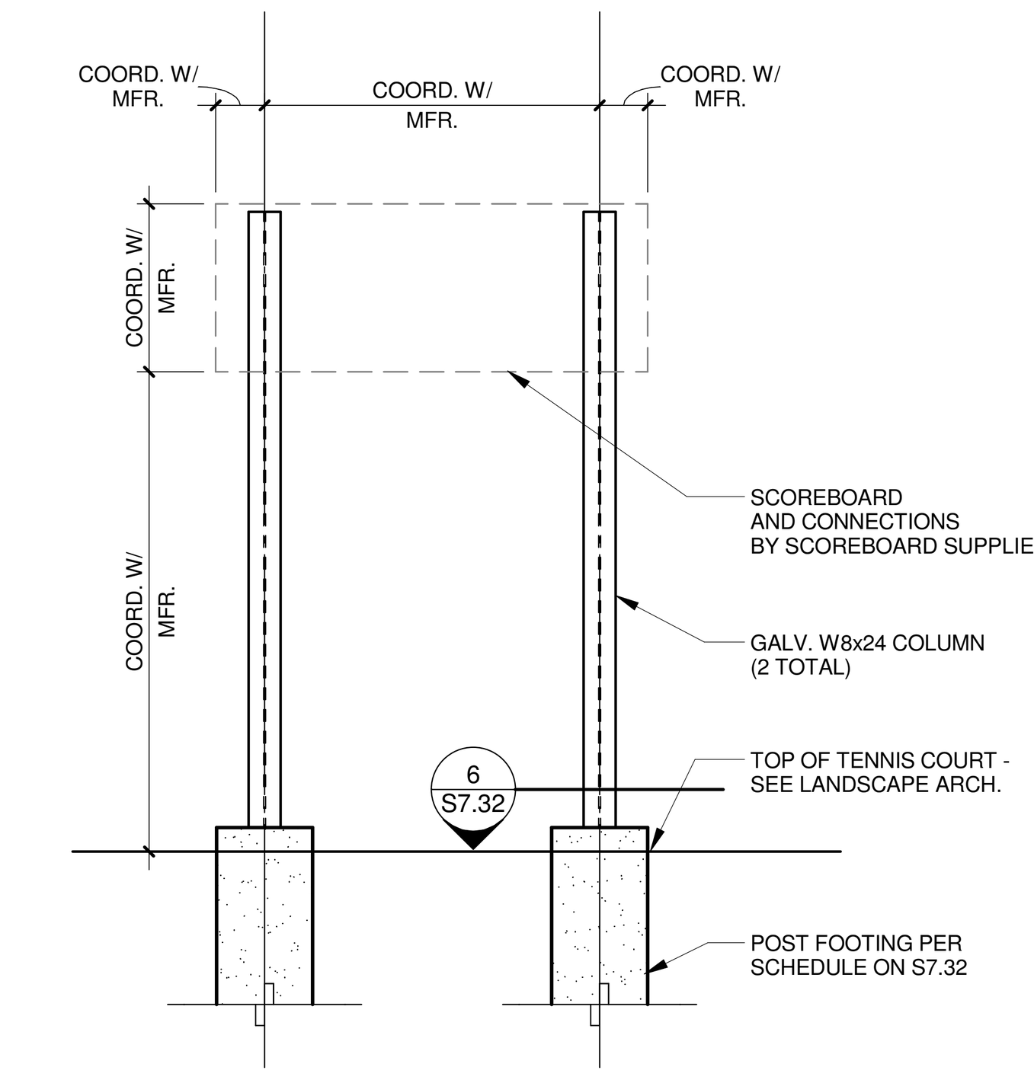
UNL SOCCER & TENNIS COMPLEX



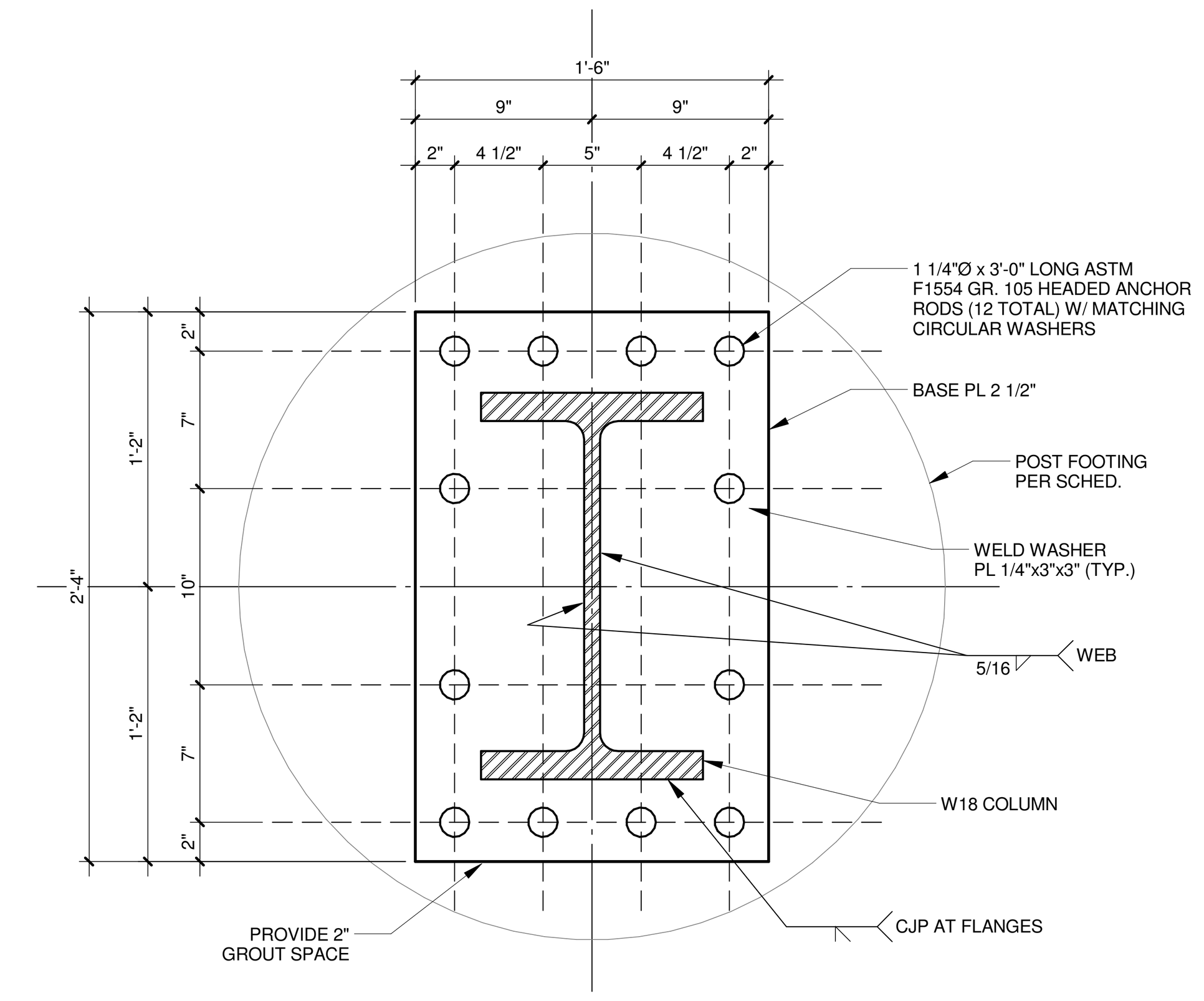
1 SOCCER SCOREBOARD SUPPORT
1/4" = 1'-0"



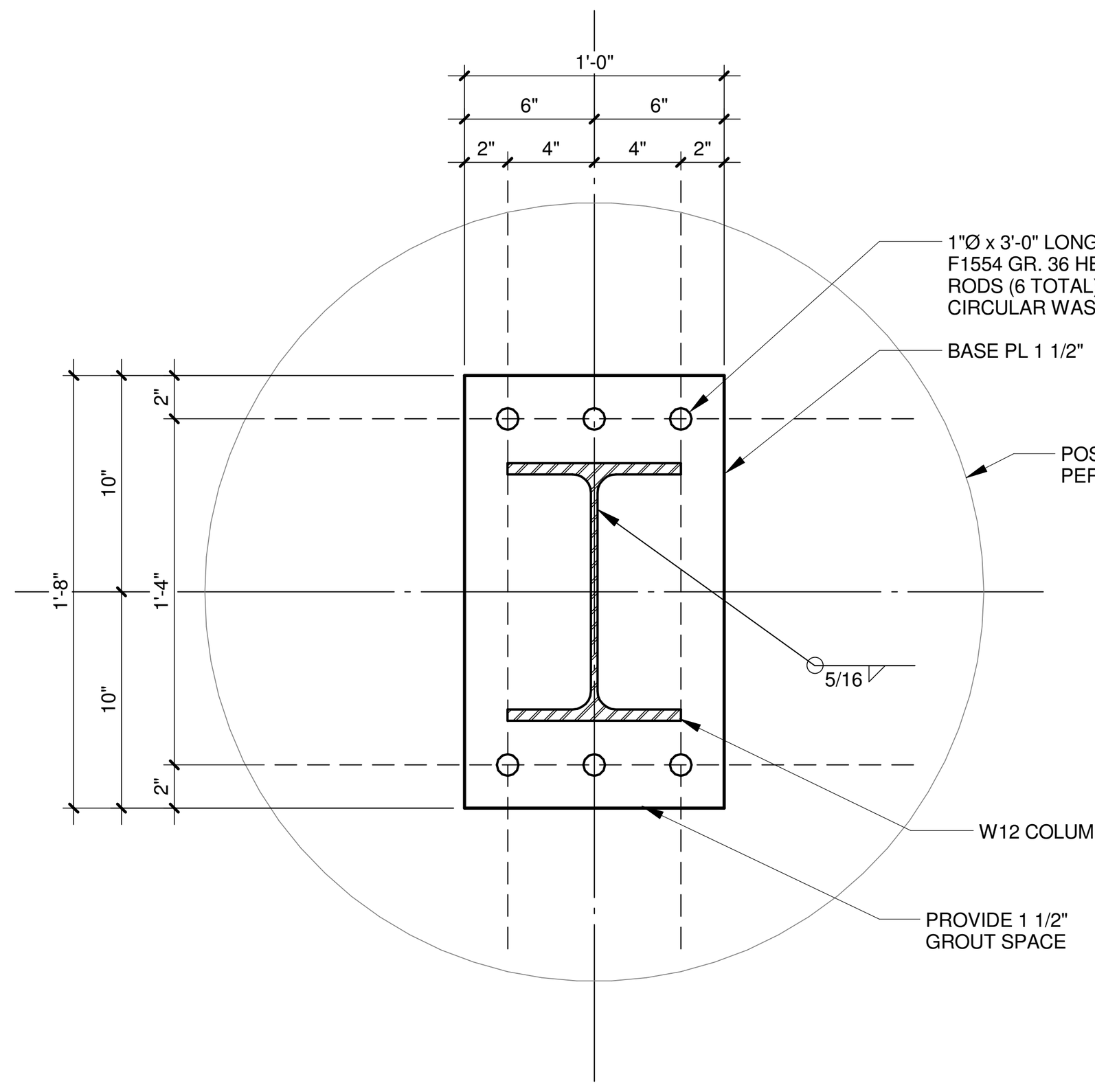
2 TENNIS MULTI-COURT SCOREBOARD SUPPORT
1/4" = 1'-0"



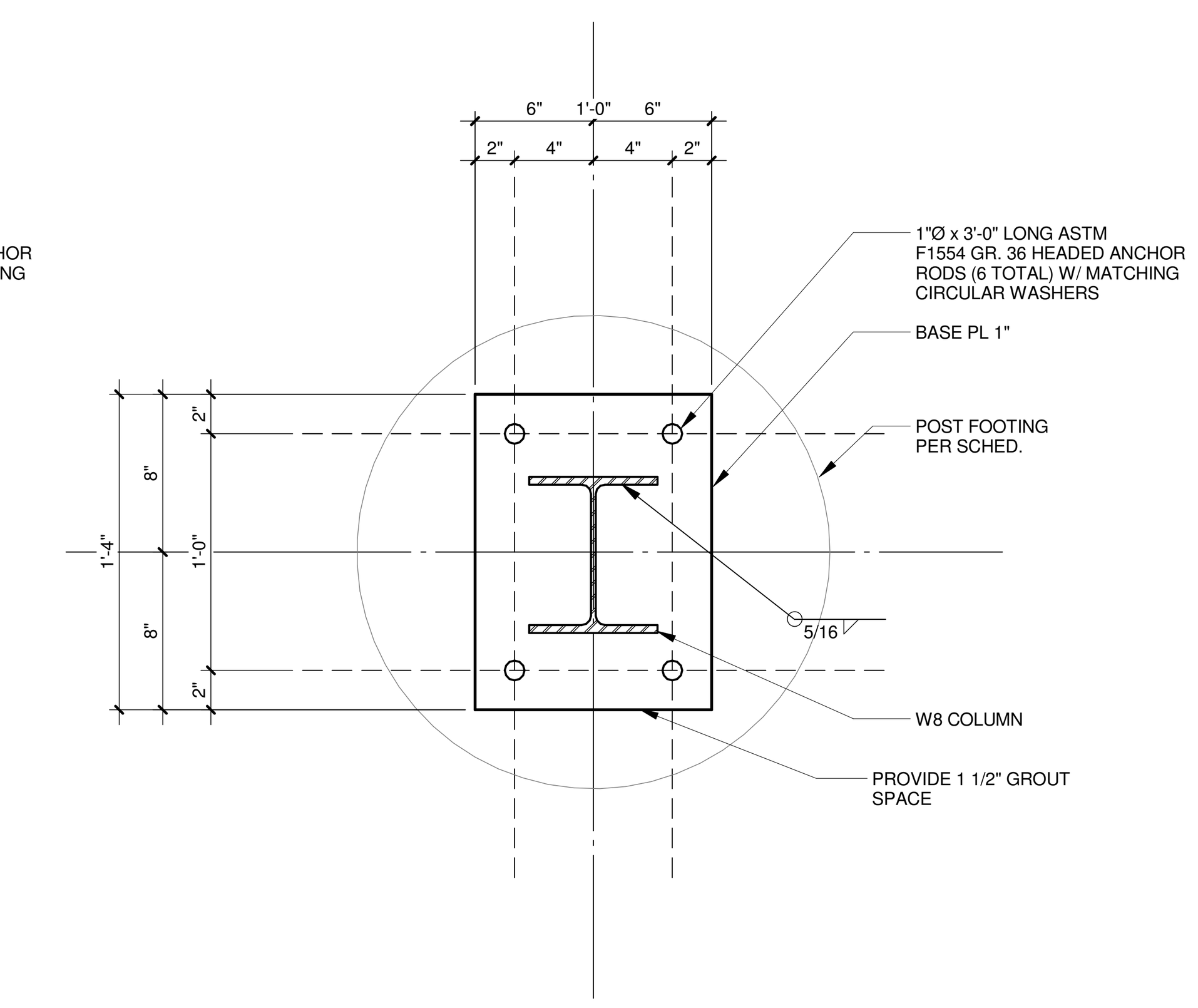
3 TENNIS SINGLE-COURT SCOREBOARD SUPPORT
1/4" = 1'-0"



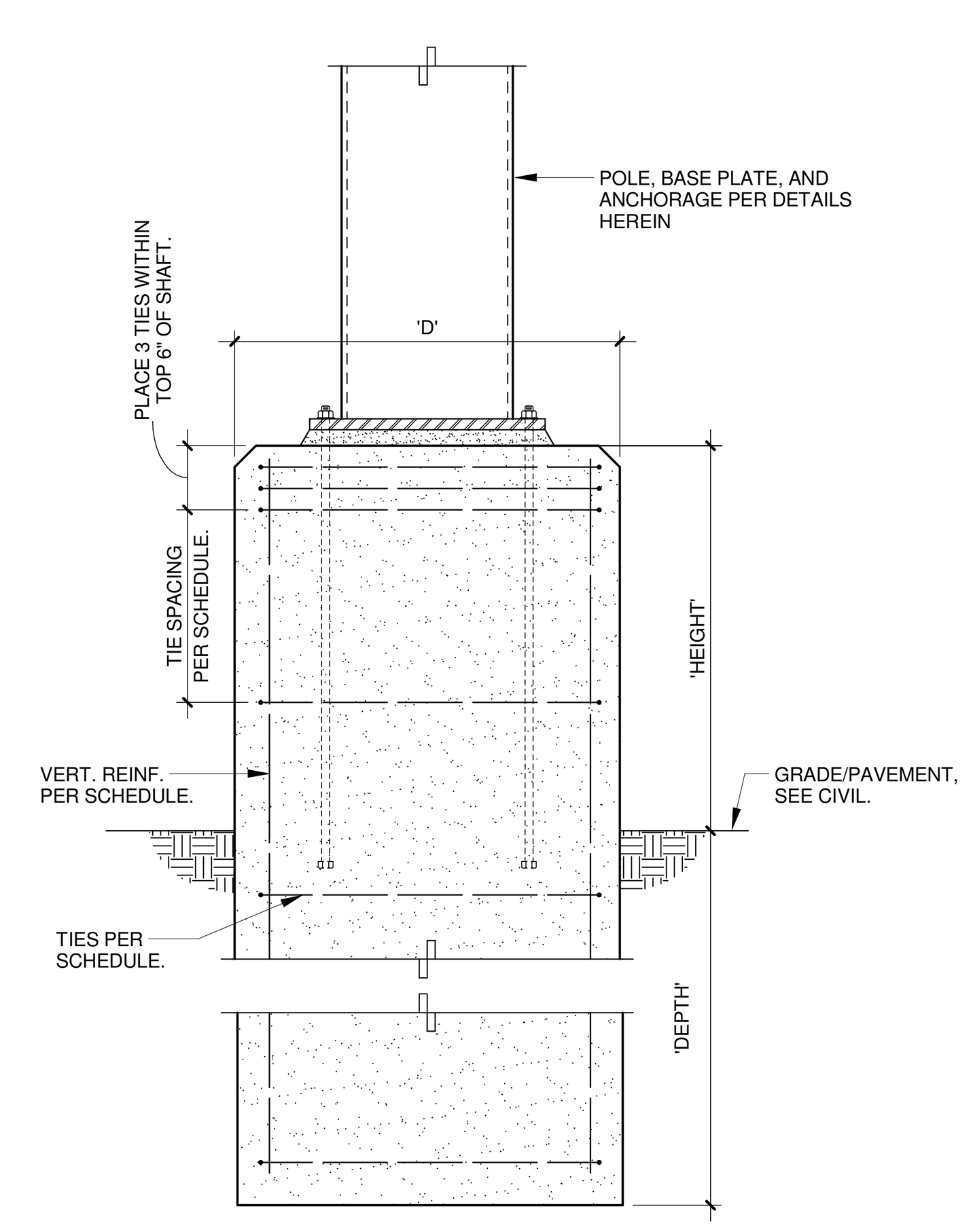
4 SCOREBOARD BASEPLATE
1 1/2" = 1'-0"



5 SCOREBOARD BASEPLATE
1 1/2" = 1'-0"



6 SCOREBOARD BASEPLATE
1 1/2" = 1'-0"



7 TYP. POST FOOTING DETAIL
3/4" = 1'-0"

SCOREBOARD POST FOOTING SCHEDULE

MARK	DIAMETER	DEPTH (Below Grade)	HEIGHT (Above Grade)	VERTICAL REINFORCEMENT	TIES	NOTES
PF-7	3'-0"	22'-0"	0'-6"	(12)-#8's w/ STD. 90° HK AT TOP	#4's @ 10"	- SOCCER SCOREBOARD (EACH POST) - SEE LANDSCAPE
PF-8	3'-0"	12'-0"	0'-6"	(12)-#7's w/ STD. 90° HK AT TOP	#3's @ 10"	- TENNIS MULTI-COURT SCOREBOARD (EACH POST) - SEE LANDSCAPE
PF-9	2'-0"	7'-0"	0'-6"	(6)-#6's	#3's @ 12"	- TENNIS SINGLE-COURT SCOREBOARD (EACH POST) - SEE LANDSCAPE

POST FOOTING SCHEDULE NOTES:

1. SEE L2.01 & L2.02 FOR LOCATION OF SITE ELEMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.
2. SEE 7/S7.32 FOR TYPICAL POST FOOTING DETAIL.

CONSTRUCTION DOCUMENTS

RDG PLANNING • DESIGN
www.rdgusa.com • Omaha NE • Des Moines IA

ARCHITECT
RDG Planning & Design
301 Grand Avenue
Des Moines, Iowa 50309
Phone: 515-288-3141
Fax: 515-288-8631

LANDSCAPE ARCHITECT
RDG Planning & Design
301 Grand Avenue
Des Moines, Iowa 50309
Phone: 515-288-3141
Fax: 515-288-8631

STRUCTURAL
Thompson, Dreessen & Dorner, Inc. TD2
10836 Old Mill Road
Omaha, NE 68154
Phone: 402-330-8860
Fax: 402-330-5866

TENNIS CONSULTANT
loudermilkgroup
4001 W. 105th St. #121
Overland Park, KS 66207
Phone: 913-488-6225

MECH/ ELEC/ TECHNOLOGY
Alvine Engineering
1800 O Street, Suite 104
Lincoln, NE 68508
Phone: 402-477-6161
Fax: 402-477-9616

CIVIL
Lamp Rynearson & Associates
14710 West Dodge Road, Suite 100
Omaha, NE 68154
Phone: 402-496-2498

PROFESSIONAL ENGINEER ANDREW W. JOHNSON E-13560 STATE OF NEBRASKA
03.07.2014

TD2 engineering & surveying
TD2 PROJECT # 919-421

NEBRASKA SOCCER & TENNIS COMPLEX SCOREBOARDS

2400 NORTH 14TH STREET
LINCOLN, NEBRASKA

UNIVERSITY OF NEBRASKA LINCOLN

REVISION	DATE	DESCRIPTION
A	04/02/2014	ADDENDUM #1

ISSUED: 03/14/14

PROJECT NO: 2013.512.00

SCOREBOARD STRUCTURES

S7.32