

ADDENDUM NO. 4

December 7, 2023

**Armstrong Field
815 Jefferson Street
Three Rivers, MI 49093**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated October 12, 2023, by GMB. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 4-1 through ADD 4-4, attached Pre-Award Schedule and attached GMB Addendum No.4, dated December 6, 2023, consisting of three (3) pages, and Addendum No. 4 Drawings: B1191803R-3, G0.00, C1.03, C2.01, C2.03, C5.10, C5.11, C8.01, B1191803R-1, B1191803R-2, B1191804R, and B1191806R.

A. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

Paragraph 3.03 BID CATEGORIES

A. Bid Category No. 1 – General Trades

Add the following Clarifications:

10. For construction of Scoreboard structures, Daktronic Sheets issued in Addendum 2 have been updated and included in this Addendum 4. The Dakronic design for the Football scoreboard and Baseball scoreboard each show two foundation options of either deep column foundation or optional spread foundation. The optional spread foundation shall be used for each. The spread foundations are shown with top of concrete matching surrounding grass grade. **Bid Category No. 4 Concrete** is to provide concrete and reinforcement. Exposed topside surface of spread foundations to be hand troweled and broom finished. **Bid Category No. 05 Sitework** is to provide excavation, backfill and grading for the spread foundations. **Bid Category No. 01 General Trades** is to provide and install structural steel work and painting of structural steel supports.

11. Baseball Field is getting new scoreboard with foundation and supports. Softball Field is getting new scoreboard on existing foundation and supports. At Baseball Field, demolish existing scoreboard foundations, footings and structure in their entirety. At Softball Field, demolish existing scoreboard only; foundation and existing structure to be re-used for new scoreboard.
12. Refer to details on Daktronic Sheet B1191804R foundation and post details for the 25 second timeclock. These details replace foundation and post details of Detail 6/C5.10.
13. Paint color for all scoreboard and timeclock posts and supports is to be Black. Prine Coat: Kem Kromik Universal Metal Primer, B50 series. Finish Coat: (2) coats Pro Industrial Acrylic Semi-Gloss, B66 Series.
14. **Bid Category No. 05 Sitework** is to provide stonedust to a depth of 6" with 6x6 pressure treated lumber border. Refer to updated Sheet C1.03, Note 23 for salvage and re-use of stonedust. **Bid Category No. 1 General Trades** is to provide and install treated lumber borders.
15. For **Bid Category No. 01 General Trades**, Elite Storage Products is approved as supplier/manufacturer for lockers.
16. For **Bid Category No. 01 General Trades**, Page A7.01 shows details for the integral cove base at the lockers & showers but does not show the integral cove. A) Detail 1, 2 and 3 show the single tier lockers, include cove base along the front of them; B) Detail 4 for the open grid metal lockers, include cove base back against the wall; C) Detail 9 for the shower, refer to wall tile pattern A on A9.01; D) Refer to tile pattern A on A9.01 for epoxy requirements.

B. Bid Category No. 2 – Electrical

5. Baseball Field is getting new scoreboard with foundation and supports. Softball Field is getting new scoreboard on existing foundation and supports. At Baseball Field, demolish existing scoreboard foundations, footings and structure in their entirety. At Softball Field, demolish existing scoreboard only; foundation and existing structure to be re-used for new scoreboard.
6. Addendum 2 Clarifications incorrectly stated that *Bid Category No. 05 Sitework is to provide and install Underground Utility Access Boxes (Drawing detail 14/C5.10)*. **Bid Category No. 02 Electrical** is to provide and install Underground Utility Access Boxes (Drawing detail 14/C5.10).

C. Bid Category No. 3 – Mechanical

3. For **Bid Category No. 03 Mechanical**, the Make Up Air Unit Schedule (Sheet M9.01) calls for a Reznor CAUA 300 for MAU-2. If this model is no longer available, a Model 275 is preferred. In addition, Shoemaker is an approved manufacturer for the diffusers, grilles, and registers.
4. For **Bid Category No. 03 Mechanical**, fiberglass insulation is acceptable for pipe insulation on all systems, hot and cold.

D. Bid Category No. 4 – Concrete

8. For construction of Scoreboard structures, Daktronic Sheets issued in Addendum 2 have been updated and included in this Addendum 4. The Daktronic design for the Football scoreboard and Baseball scoreboard each show two foundation options of either deep column foundation or optional spread foundation. The optional spread foundation shall be used for each. The spread foundations are shown with top of concrete matching surrounding grass grade. **Bid Category No. 4 Concrete** is to provide concrete and reinforcement. Exposed topside surface of spread foundations to be hand troweled and broom finished. **Bid Category No. 05 Sitework** is to provide excavation, backfill and grading for the spread foundations. **Bid Category No. 01 General Trades** is to provide and install structural steel work and painting of structural steel supports.
9. Baseball Field is getting new scoreboard with foundation and supports. Softball Field is getting new scoreboard on existing foundation and supports. At Baseball Field, demolish existing scoreboard foundations, footings and structure in their entirety. At Softball Field, demolish existing scoreboard only; foundation and existing structure to be re-used for new scoreboard.
10. Refer to details on Daktronic Sheet B1191804R foundation and post details for the 25 second timeclock. These details replace foundation and post details of Detail 6/C5.10.
11. The concrete maintenance strip (Sheet C2.01, detail 8/C5.11 Concrete Turn Down at Edge of Track) is to stop at each end of the existing retaining wall and does not continue in front of the wall.

E. Bid Category No. 5 – Sitework

15. For construction of Scoreboard structures, Daktronic Sheets issued in Addendum 2 have been updated and included in this Addendum 4. The Daktronic design for the Football scoreboard and Baseball scoreboard each show two foundation options of either deep column foundation or optional spread foundation. The optional spread foundation shall be used for each. The spread foundations are shown with top of concrete matching surrounding grass grade. **Bid Category No. 4 Concrete** is to provide concrete and reinforcement. Exposed topside surface of spread foundations to be hand troweled and broom finished. **Bid Category No. 05 Sitework** is to provide excavation, backfill and grading for the spread foundations. **Bid Category No. 01 General Trades** is to provide and install structural steel work and painting of structural steel supports.
16. Baseball Field is getting new scoreboard with foundation and supports. Softball Field is getting new scoreboard on existing foundation and supports. At Baseball Field, demolish existing scoreboard foundations, footings and structure in their entirety. At Softball Field, demolish existing scoreboard only; foundation and existing structure to be re-used for new scoreboard.
17. Refer to details on Daktronic Sheet B1191804R foundation and post details for the 25 second timeclock. These details replace foundation and post details of Detail 6/C5.10.
18. **Bid Category No. 05 Sitework** is to provide stonedust to a depth of 6" with 6x6 pressure treated lumber border. Refer to updated Sheet C1.03, Note 23 for salvage and re-use of stonedust. **Bid Category No. 1 General Trades** is to provide and install treated lumber borders.

19. For **Bid Category No. 05 Sitework**, (refer to dashed line on Sheet C4.01) there is an underdrain located at the east end of the field that parallels the inside radius of the track. This underdrain is to be 6" perforated and connected to Leach Basins LB-101 and LB-201 respectively with South inverts to be determined. This underdrain is to have same cross-section of stone/pipe/geotextile as the other edges of the field, just as 6" diameter.
20. Addendum 2 Clarifications incorrectly stated that *Bid Category No. 05 Sitework is to provide and install Underground Utility Access Boxes (Drawing detail 14/C5.10)*. **Bid Category No. 02 Electrical** is to provide and install Underground Utility Access Boxes (Drawing detail 14/C5.10).
21. The concrete maintenance strip (Sheet C2.01, detail 8/C5.11 Concrete Turn Down at Edge of Track) is to stop at each end of the existing retaining wall and does not continue in front of the wall.

B. SPECIFICATION SECTION 01 21 00 ALLOWANCES

Paragraph 3.02 CONTINGENCY ALLOWANCES

Revise the following Allowance:

E.	Bid Category No. 5 Sitework	\$50,000
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INSTRUCTION TO PRIME BIDDERS

Date December 7, 2023

Re: **Armstrong Field**
815 Jefferson Street
Three Rivers, MI 49093

The Skillman Corporation Project No. 219050.81

Attention Bidders:

Bids are due **December 12, 2023, 9:00 am local time** at Three Rivers Community Schools Administration Building, 851 6th Avenue, Three Rivers, MI 49093.

Post-Bid/Pre-Award Conferences will be held with select bidders as follows:

POST-BID / PRE-AWARD CONFERENCE SCHEDULE					
	Bid Category	Bidder	Post-Bid Conference Date	Start	End
1	General Trades	Bidder 1	Wednesday, December 13, 2023	8:00 AM	9:15 AM
		Bidder 2	Wednesday, December 13, 2023	9:30 AM	10:45 AM
2	Electric	Bidder 1	Wednesday, December 13, 2023	11:00 AM	11:45 AM
		Bidder 2	Wednesday, December 13, 2023	12:00 PM	12:45 PM
3	Mechanical	Bidder 1	Wednesday, December 13, 2023	1:00 PM	1:45 PM
		Bidder 2	Wednesday, December 13, 2023	2:00 PM	2:45 PM
4	Concrete	Bidder 1	Thursday, December 14, 2023	8:00 AM	8:45 AM
		Bidder 2	Thursday, December 14, 2023	9:00 AM	9:45 AM
5	Sitework	Bidder 1	Thursday, December 14, 2023	10:00 AM	10:45 AM
		Bidder 2	Thursday, December 14, 2023	11:00 AM	11:45 AM
6	Artificial Turf	Bidder 1	Thursday, December 14, 2023	12:00 PM	12:45 PM
		Bidder 2	Thursday, December 14, 2023	1:00 PM	1:45 PM

Conference will be held in-person at Three Rivers Community Schools Administration Building, 851 6th Ave., Three Rivers, MI 49093. If you are unable to attend in person, attendance via Microsoft TEAMS will be allowed. Calendar invites with TEAMS link will be sent on Tuesday December 12, following the bid opening, to qualified bidders who have been selected for interviews.

THE SKILLMAN CORPORATION

ADDENDUM



OWNER

THREE RIVERS COMMUNITY SCHOOLS

PROJECT

ARMSTRONG FIELD

A/E Project 5-5136

PURPOSE

ADDENDUM 004

THIS ADDENDUM SHALL FORM PART OF THE BIDDING DOCUMENTS. CHANGES, ADDITIONS, CLARIFICATIONS OR DELETIONS HEREIN SUPERSEDE THE DRAWINGS AND SPECIFICATIONS. BIDDERS SHALL INCLUDE ON THE PROPOSAL FORM ACKNOWLEDGEMENT OF THE RECEIPT OF THIS ADDENDUM.

ATTACHMENTS

New Specifications: None

Reissued Specifications: None

New Sheets: B1191803R-3

Reissued Sheets: G0.00, C1.03, C2.01, C2.03, C5.10, C5.11, C8.01, B1191803R-1, B1191803R-2, B1191804R, B1191806R

ARCHITECT-ENGINEER

GMB

www.gmb.com

616.796.0200

CONSTRUCTION MANAGER

THE SKILLMAN CORPORATION

www.skillman.com

269.350.5757

SPECIFICATION CLARIFICATIONS / REVISIONS

None.

SHEET CLARIFICATIONS / REVISIONS

- ITEM NO. 1 SHEET G0.00 COVER (REISSUED)
Added sheet B1191803R-3 to the drawing index.
- ITEM NO. 2 SHEET C1.03 – SOFTBALL DEMOLITION PLAN – ALTERNATE C-2 (REISSUED)
Refer to plan for Note #23.
- ITEM NO. 3 SHEET C2.01 – STADIUM SITE PLAN (REISSUED)
Refer to plan for omitted dimension.
- ITEM NO. 4 SHEET C2.02 – BASEBALL SITE PLAN – ALTERNATE C-1 (REISSUED)
A. Refer to plan for updated notes and dimensions.
B. See new Detail 5.
- ITEM NO. 5 SHEET C2.03 – SOFTBALL SITE PLAN – ALTERNATE C-2 (REISSUED)
Refer to plan for updated notes and dimensions.
- ITEM NO. 6 SHEET C5.10 – TURF FIELD PLANS AND DETAILS (REISSUED)
Refer to plan for updated notes and dimensions.
- ITEM NO. 7 SHEET C5.11 – TRACK & FIELD DETAILS (REISSUED)
Refer to plan for updated notes.
- ITEM NO. 8 SHEET C8.01 – SITE DETAILS (REISSUED)
Refer to plan for Detail #12 for updated text and Power Cat logo.
- ITEM NO. 9 SHEET B1191803R-1 – DAKTRONICS SCOREBOARD STRUCTURAL DRAWING (REISSUED)
Sheet renamed.
- ITEM NO. 10 SHEET B1191803R-2 – DAKTRONICS SCOREBOARD STRUCTURAL DRAWING (REISSUED)
Sheet renamed.

ADDENDUM



ITEM NO. 11 SHEET B1191803R-3 – DAKTRONICS SCOREBOARD STRUCTURAL DRAWING
(NEW)

Sheet added to include optional spread footing for football field scoreboard structure.

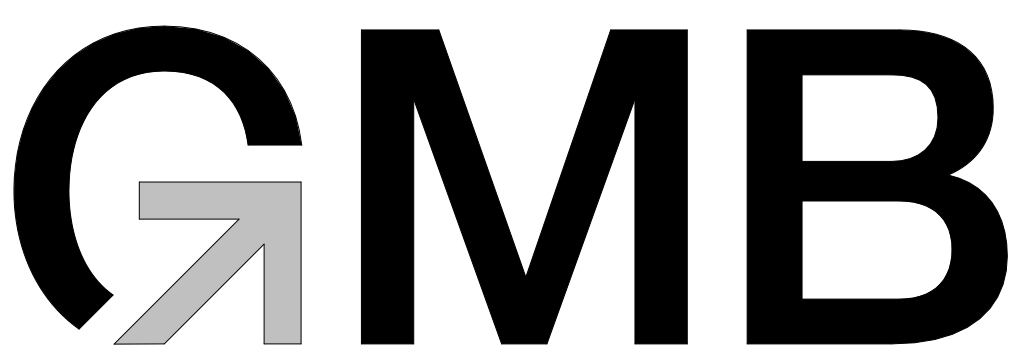
ITEM NO. 12 SHEET B1191804R – DAKTRONICS SCOREBOARD STRUCTURAL DRAWING
(REISSUED)

Sheet renamed.

ITEM NO. 13 SHEET B1191806R – DAKTRONICS SCOREBOARD STRUCTURAL DRAWING
(REISSUED)

Sheet revised to include optional spread footing for baseball scoreboard structure.

ARMSTRONG FIELD



THREE RIVERS COMMUNITY SCHOOLS

815-899 JEFFERSON STREET
THREE RIVERS, MICHIGAN

BIDS & CONSTRUCTION
10.12.2023
GMB PROJECT # 5-5136

<div>GENERAL INFORMATION</div> <div><div>G0.01GENERAL NOTES DIMENSIONS AND LEGENDS</div><div>G1.01FIELDHOUSE CODE COMPLIANCE PLAN</div></div> <div>CIVIL</div> <div><div>C0.00GENERAL NOTES</div><div>C0.01EXISTING SITE SURVEY</div><div>C1.01STADIUM DEMOLITION PLAN</div><div>C1.02BASEBALL DEMOLITION PLAN- ALTERNATE C-1</div><div>C1.03SOFTBALL DEMOLITION PLAN - ALTERNATE C-2</div><div>C2.00OVERALL SITE PLAN</div><div>C2.01STADIUM SITE PLAN</div><div>C2.02BASEBALL SITE PLAN - ALTERNATE C-1</div><div>C2.03SOFTBALL SITE PLAN - ALTERNATE C-2</div><div>C3.01STADIUM GRADING PLAN</div><div>C4.01STADIUM UTILITY PLAN</div><div>C5.10TURF FIELD PLANS AND DETAILS</div><div>C5.11TRACK & FIELD DETAILS</div><div>C6.00OVERALL LANDSCAPE PLAN</div><div>C7.00SESC PLAN</div><div>C8.01SITE DETAILS</div><div>C8.02SITE DETAILS</div></div>		<div>ARCHITECTURAL</div> <div><div>A1.01FIELDHOUSE DEMOLITION PLAN & FLOOR PLAN</div><div>A2.01FIELDHOUSE REFLECTED CEILING & ROOF PLAN</div><div>A2.80ENLARGED PLANS</div><div>A4.01FIELDHOUSE EXTERIOR ELEVATIONS</div><div>A5.01DOOR & FRAME SCHEDULE & DETAILS</div><div>A7.01DETAILS</div><div>A9.00ROOM SIGNAGE</div><div>A9.01FIELDHOUSE FINISH PLAN</div></div>		<div>PLUMBING</div> <div><div>P0.01PLUMBING GENERAL INFORMATION</div><div>P0.1AFIELDHOUSE FOUNDATION PLUMBING PLANS</div><div>P1.1AFIELDHOUSE PLUMBING PLANS</div></div> <div>MECHANICAL</div> <div><div>M0.01MECHANICAL GENERAL INFORMATION</div><div>M1.01MECHANICAL DEMOLITION PLAN</div><div>M2.01MECHANICAL PLAN</div><div>M4.1AFIELDHOUSE GAS PIPING PLAN</div><div>M7.01MECHANICAL DETAILS</div><div>M8.01MECHANICAL & CONTROL DIAGRAMS</div><div>M9.01MECHANICAL SCHEDULES</div></div> <div>ELECTRICAL</div> <div><div>E0.01ELECTRICAL SYMBOL LEGENDS & GENERAL NOTES</div><div>E1.1AFIELDHOUSE ELECTRICAL DEMOLITION PLAN</div><div>E2.1AFIELDHOUSE POWER & COMMUNICATIONS PLAN</div><div>E3.1AFIELDHOUSE LIGHTING PLAN</div><div>E4.01POWER DISTRIBUTION ONE-LINE DIAGRAM, SCHEDULES AND DETAILS</div><div>E7.01ELECTRICAL DETAILS, DISTRIBUTION EQUIPMENT SCHEDULES & FIXTURE SCHEDULE</div><div>ES1.01FOOTBALL FIELD SITE ELECTRICAL DEMOLITION PLAN</div><div>ES1.02BASEBALL SITE ELECTRICAL DEMOLITION PLAN</div><div>ES1.03SOFTBALL ELECTRICAL DEMOLITION PLAN</div><div>ES2.01FOOTBALL FIELD SITE ELECTRICAL PLAN</div><div>ES2.02BASEBALL SITE ELECTRICAL PLAN</div><div>ES2.03SOFTBALL SITE ELECTRICAL PLAN</div></div>		<div>VICINITY MAP</div> <div></div> <div>ALTERNATES</div> <div><div><div>G-1:</div><div>PROVIDE ALL COSTS TO PROVIDE TURF MAINTENANCE ANNUALLY. COST SHALL BE "PER YEAR" AND SHOULD ENCOMPASS ALL ELEMENTS OF YEAR MAINTENANCE, INCLUDING BUT NOT LIMITED TO, TURF-GROOMING, SANITATION, INFILL MONITORING AND REFILL AS REQUIRED, FIXING TURF WEAR AND ADDRESSING ANY VISIBLE ISSUES TO THE TURF SURFACE.</div></div><div><div>C-1:</div><div>ALL WORK ASSOCIATED WITH THE BASEBALL SCOPE OF WORK.</div></div><div><div>C-2:</div><div>ALL WORK ASSOCIATED WITH THE SOFTBALL SCOPE OF WORK.</div></div></div> <div>ALTERNATE SUMMARY, SEE SPECIFICATION SECTION 01 23 00 FOR FULL DESCRIPTIONS</div>	
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CONSTRUCTION MANAGER

THE SKILLMAN CORPORATION
8120 MOORSBRIDGE ROAD
PORTAGE, MI 49024
P. 269.350.5757
WWW.SKILLMAN.COM

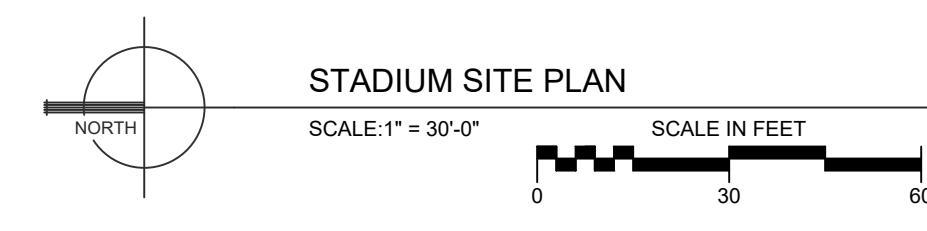
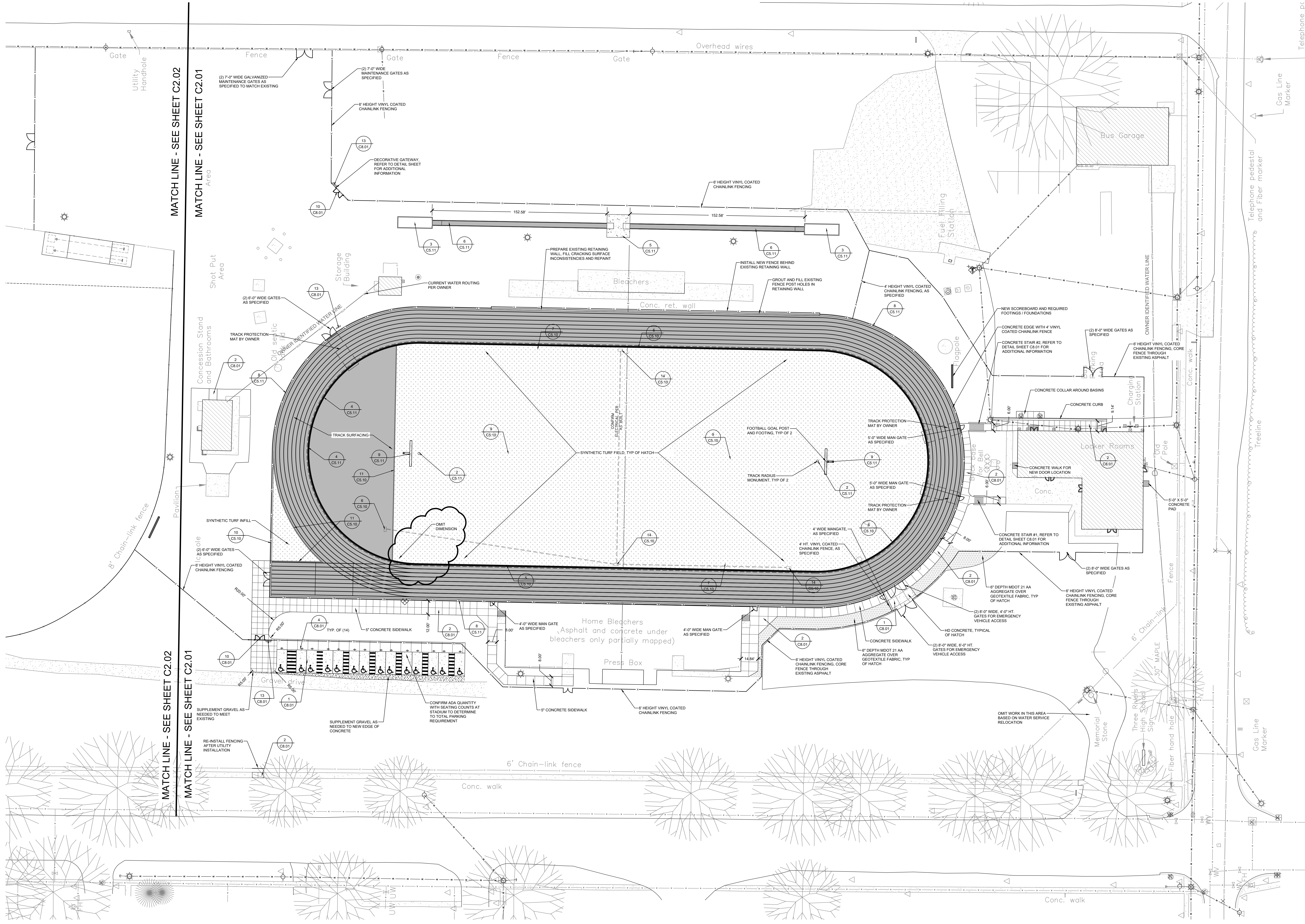
OWNER

THREE RIVERS COMMUNITY SCHOOLS
851 SIXTH AVENUE
THREE RIVERS, MI 49093
P. 269.279.1100
WWW.TRSCHOOLS.ORG

ARCHITECT + ENGINEER

GMB ARCHITECTURE + ENGINEERING
85 EAST EIGHTH STREET, SUITE 200
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P. 616.796.0200
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616.796.0200
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ARMSTRONG FIELD
THREE RIVERS COMMUNITY SCHOOLS
THREE RIVERS, MICHIGAN

ISSUANCES

10.12.2023	BIDS & CONSTRUCTION
11.13.2023	ADDENDUM 001
11.28.2023	ADDENDUM 002
12.06.2023	ADDENDUM 004

DRAWN
REVIEWED

ACB
NTB

PROJECT NO. 5-5136

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STADIUM SITE PLAN

C2.01

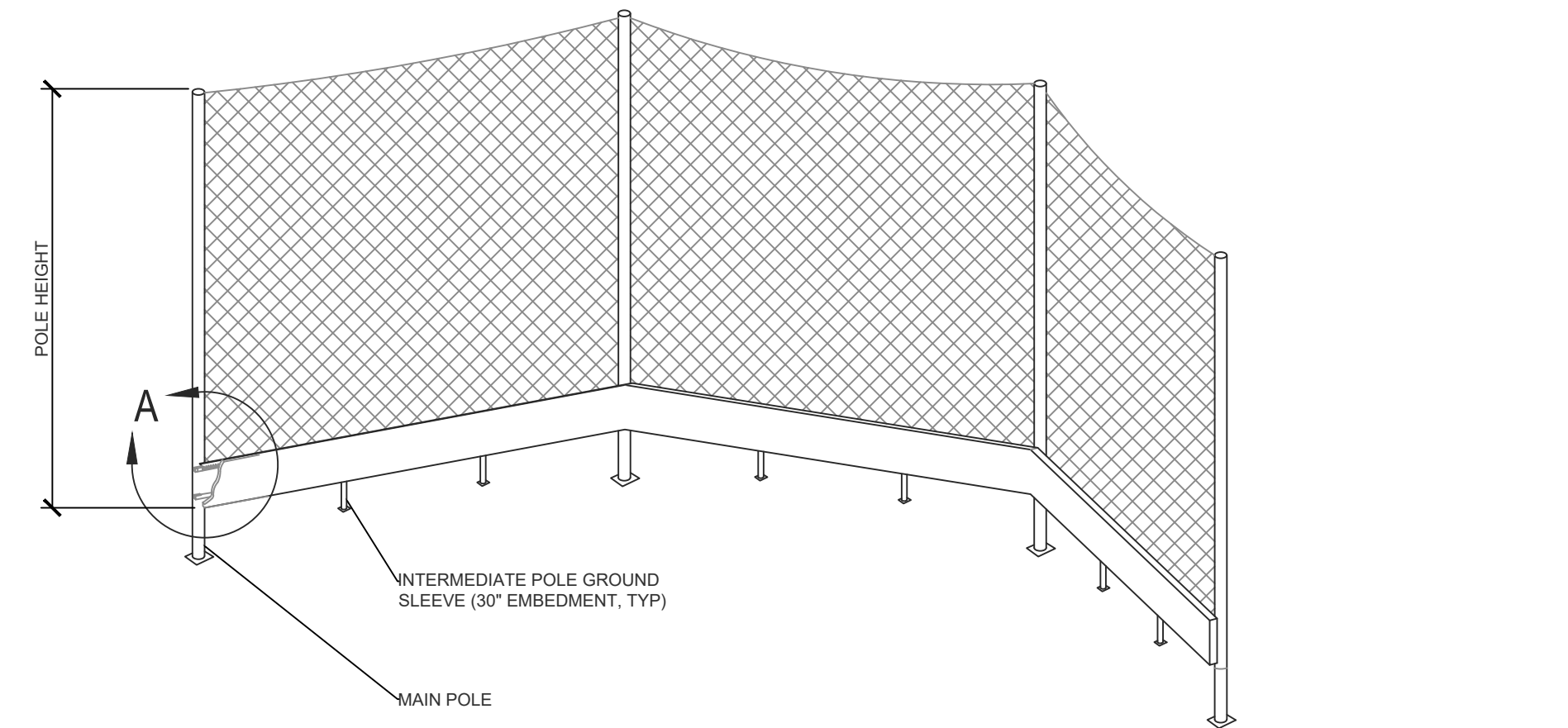
ISSUANCES		
10.12.2023	BIDS & CONSTRUCTION	
12.06.2023	ADDENDUM 004	

DRAWN	ACB
REVIEWED	NTB

PROJECT NO. 5-5136
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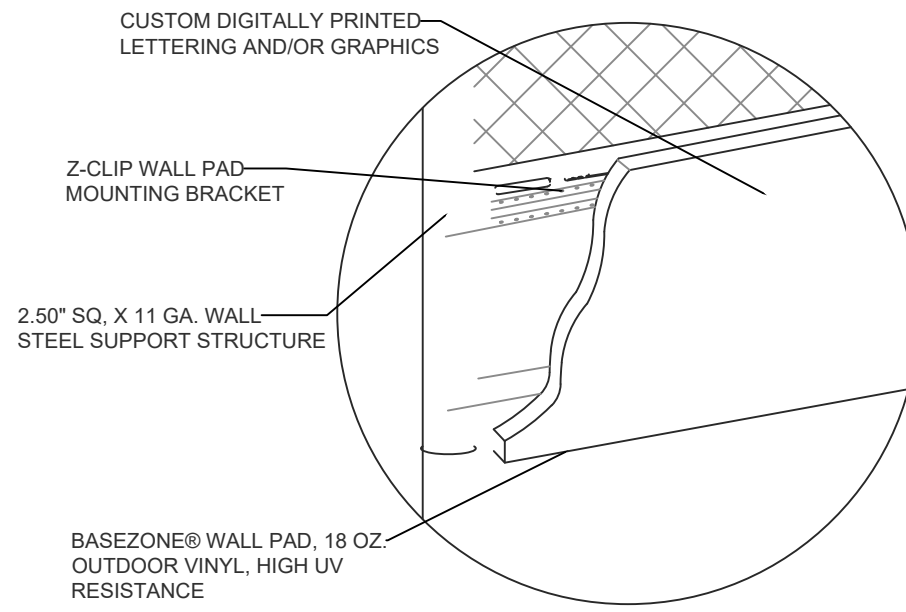
SOFTBALL SITE PLAN -
ALTERNATE C-2

C2.03

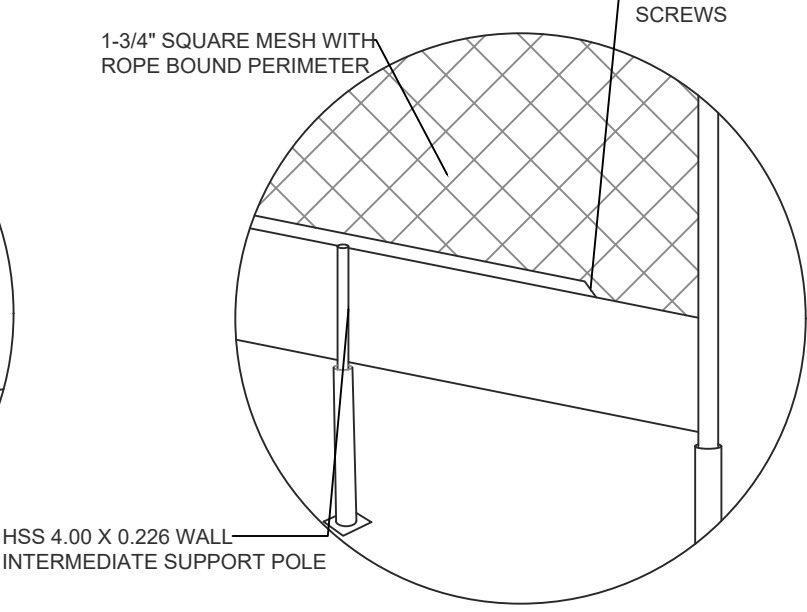


ISOMETRIC VIEW

1/2" SQUARE EDGE MDO WEATHER RESISTANT COMPOSITE SHEATHING PANEL. ALL SIDES STAINED AND SEALED WITH EXTERIOR GRADE BLACK FINISH. ATTACHED WITH #10-24 X 1-7/16" FLAT HEAD SELF-DRILLING SCREWS

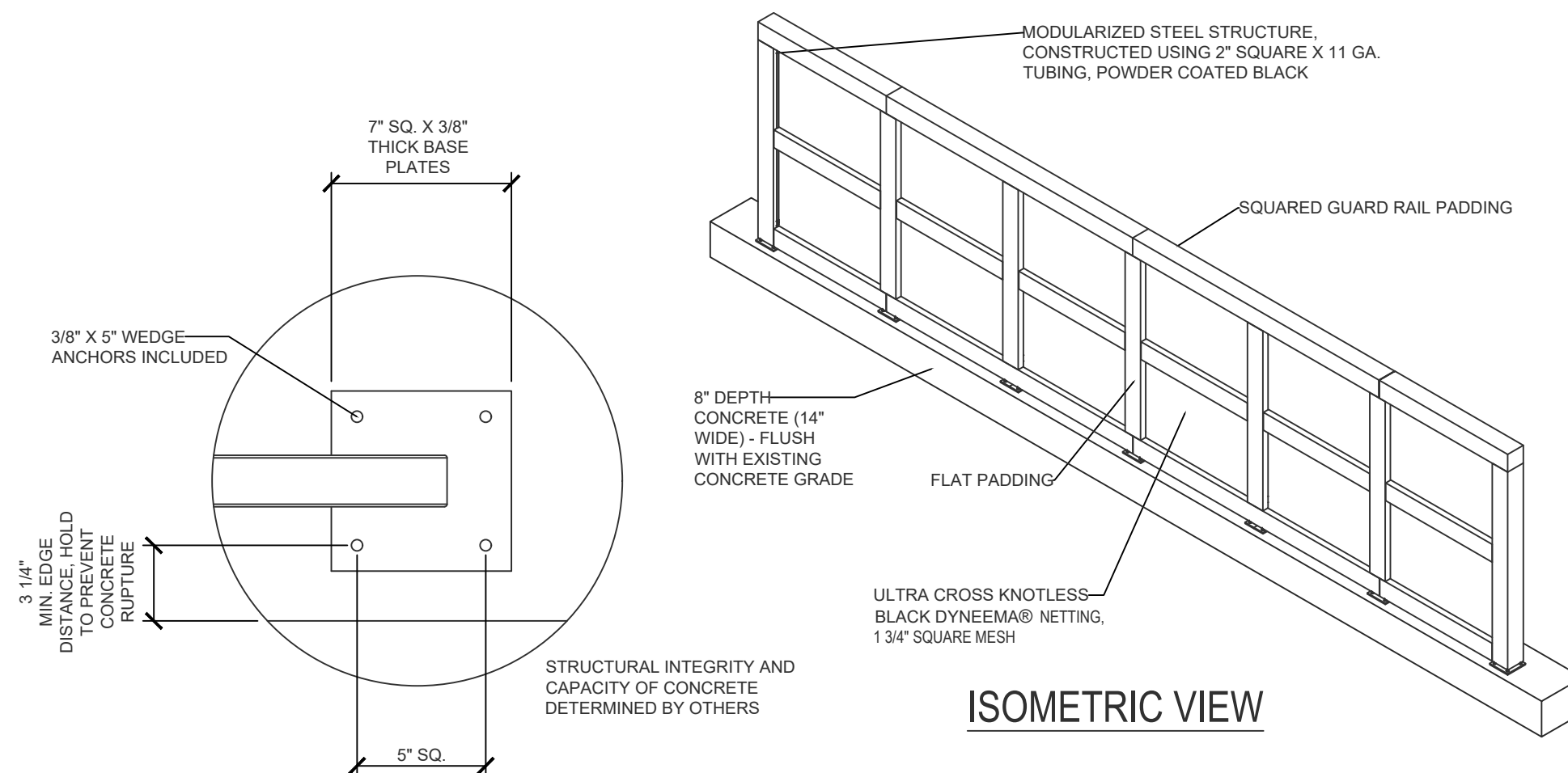


DETAIL A

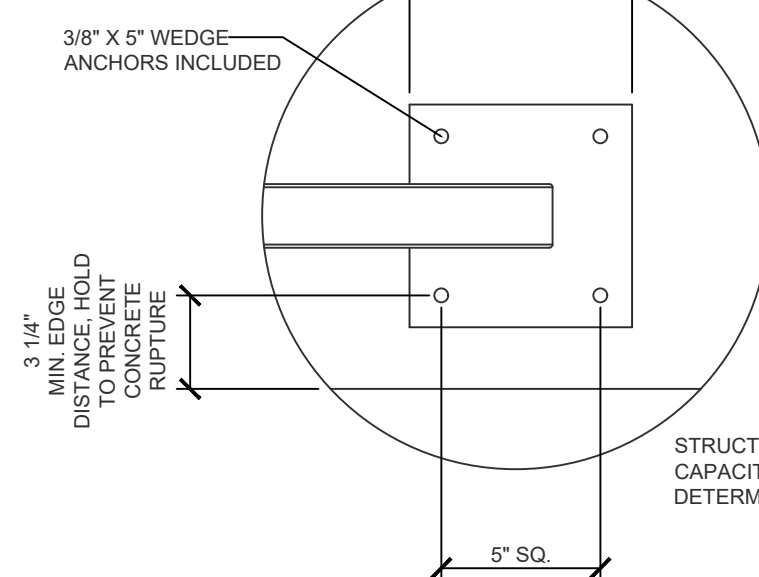


DETAIL REAR VIEW

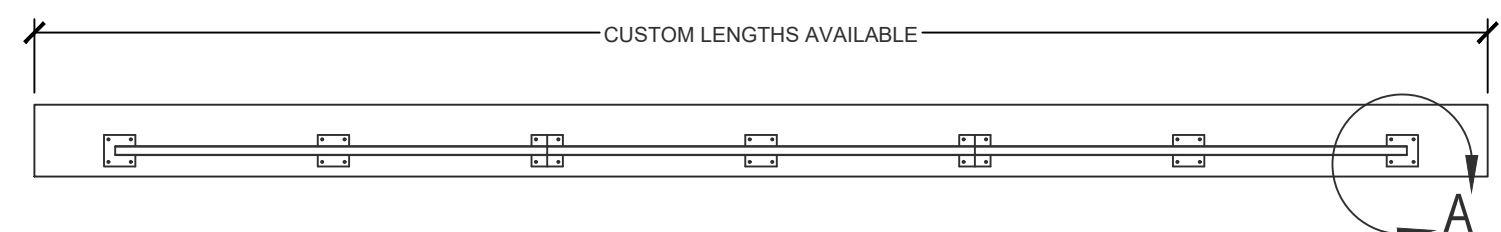
2 NET BACKSTOP DETAIL WITH PADDING
C2.03 NOT TO SCALE



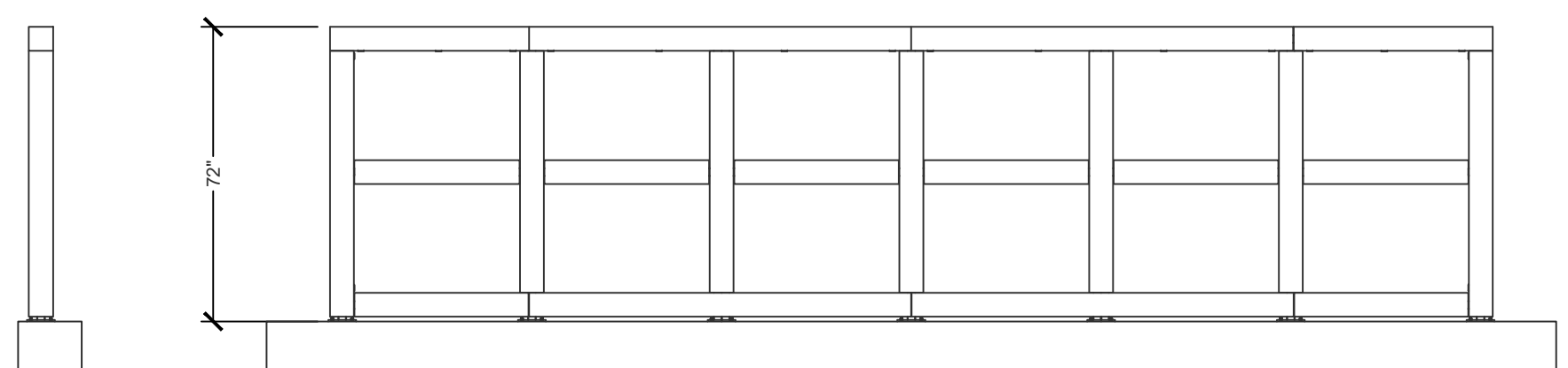
ISOMETRIC VIEW



DETAIL A



PLAN

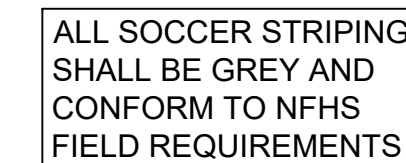
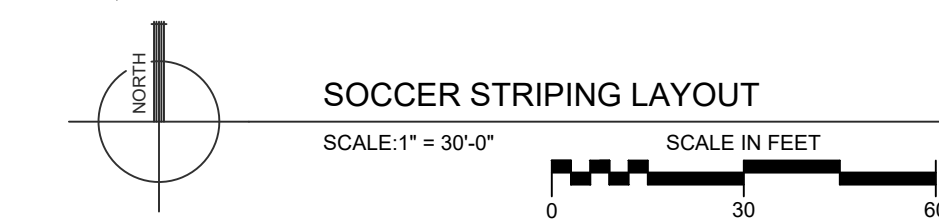
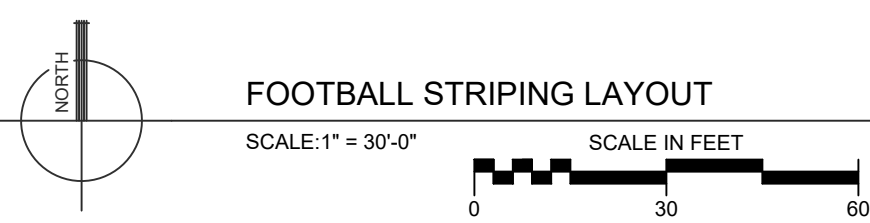


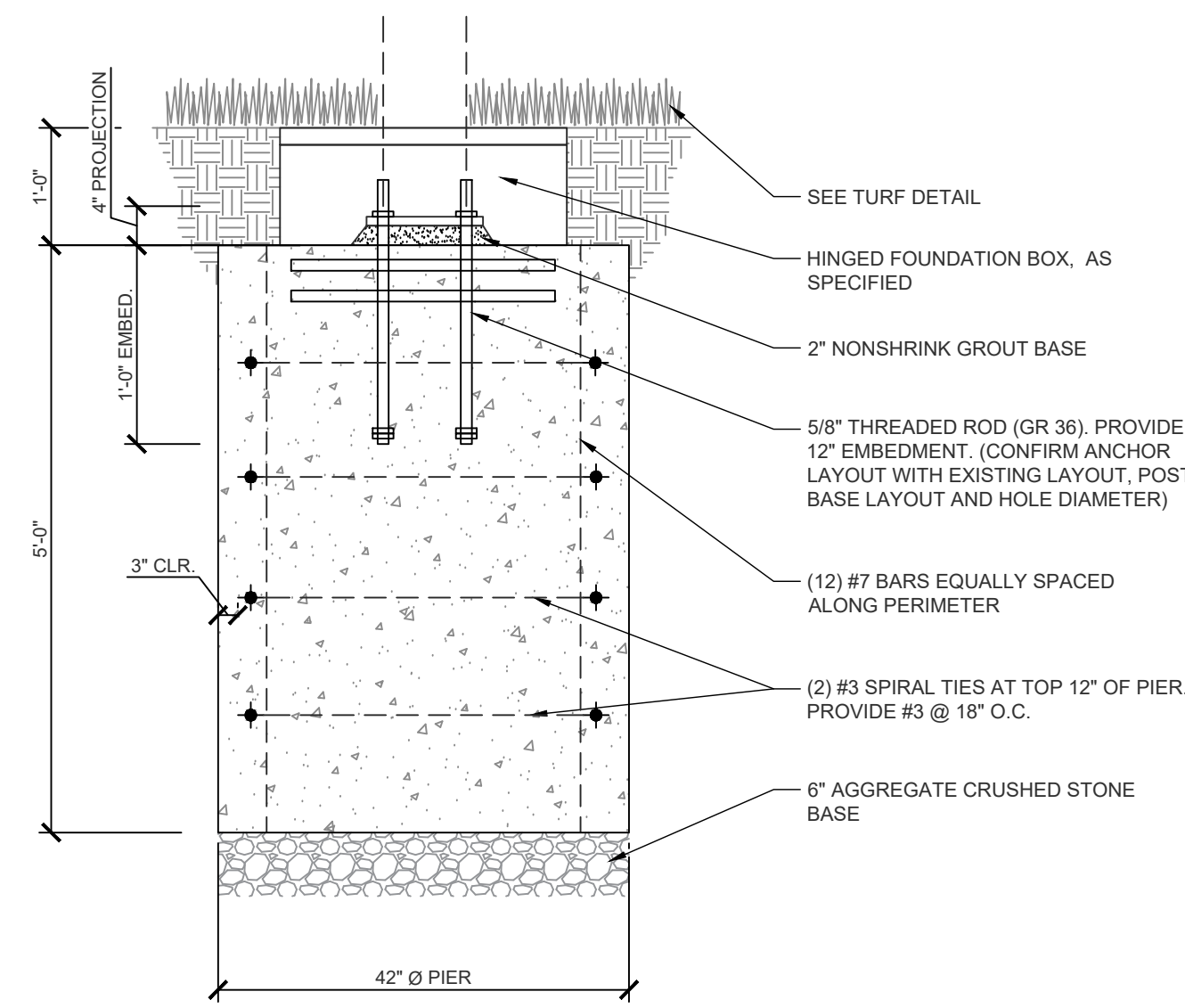
ELEVATION

1 GUARD RAIL SYSTEM FOR 6 FOOT HEIGHT
C2.03 NOT TO SCALE

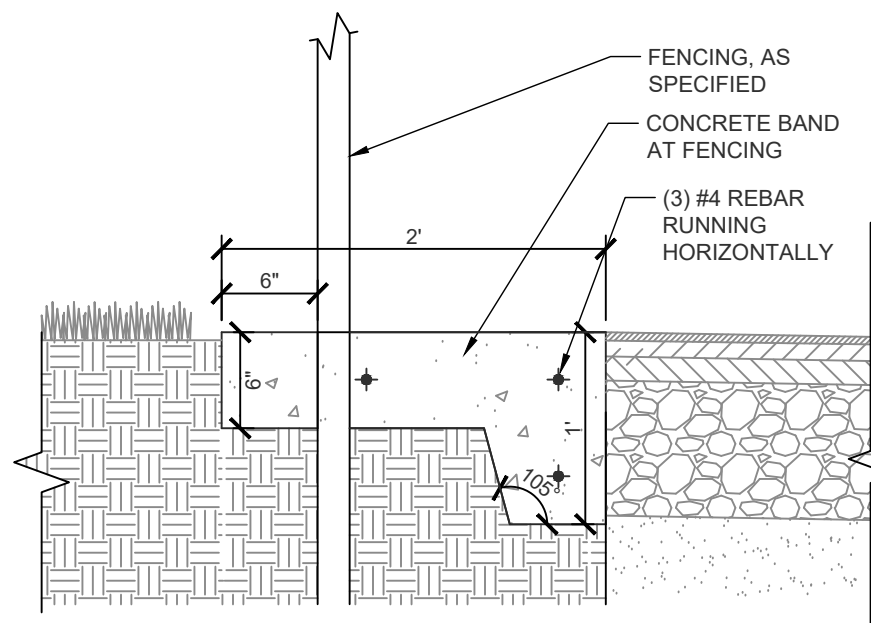


SOFTBALL SITE PLAN - ALTERNATE C-2
SCALE: 1" = 30'-0"
SCALE IN FEET
0 30 60

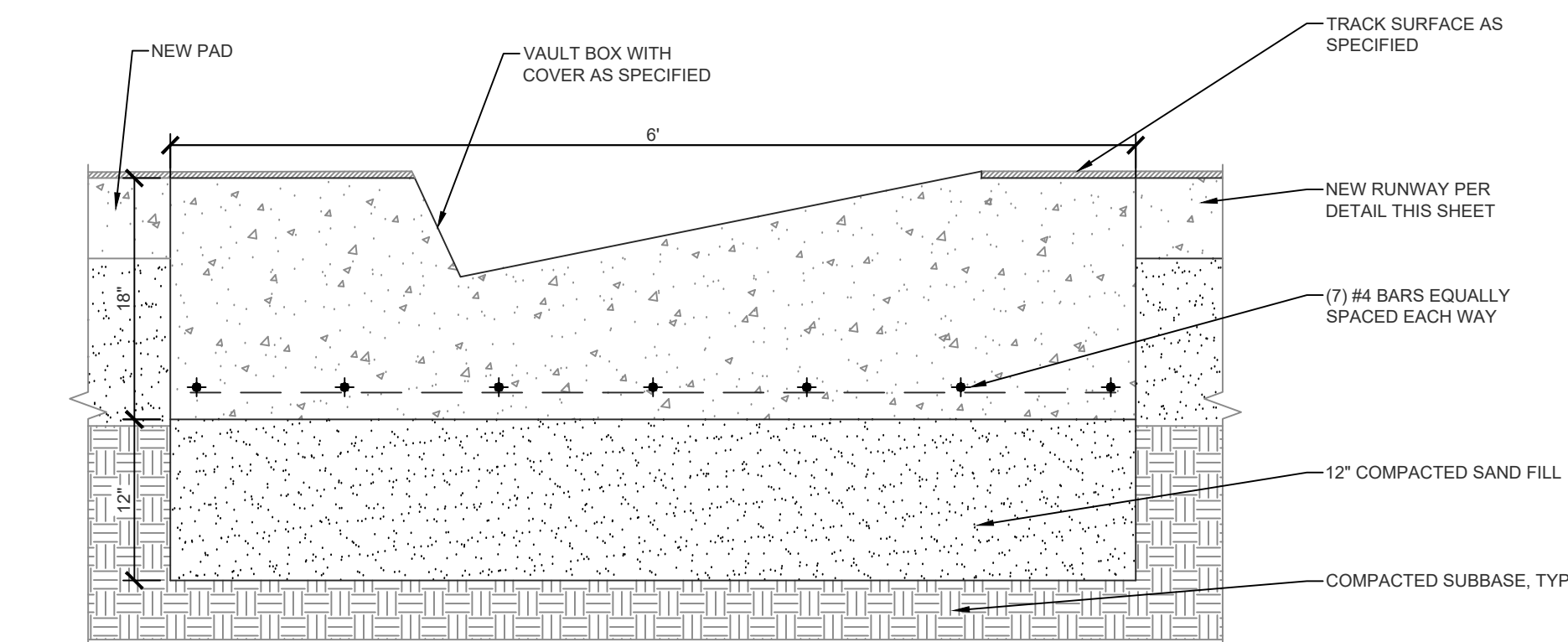




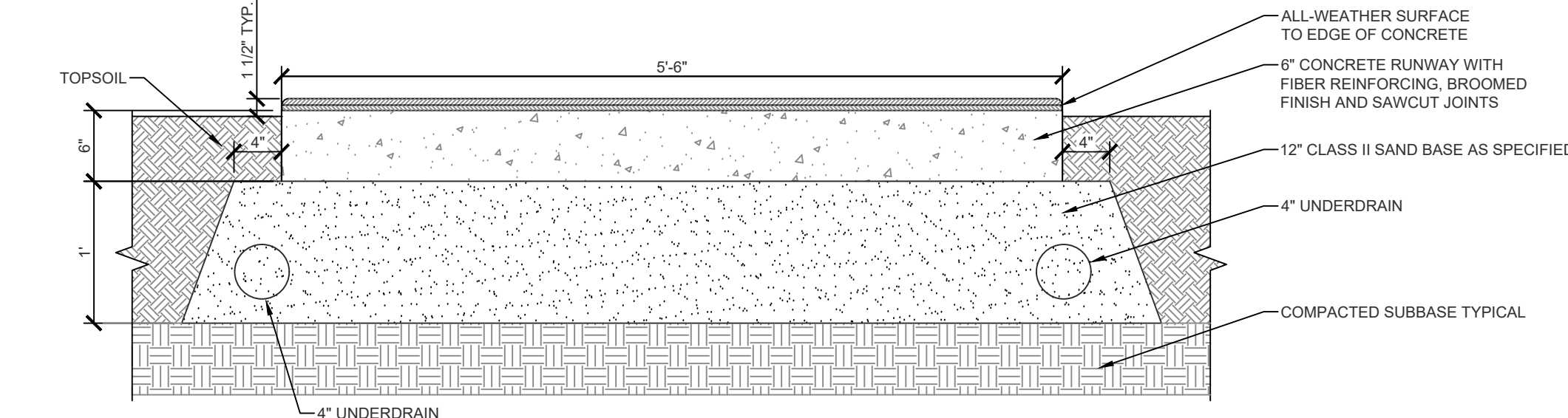
9 GOALPOST FOUNDATION
C5.11 NOT TO SCALE



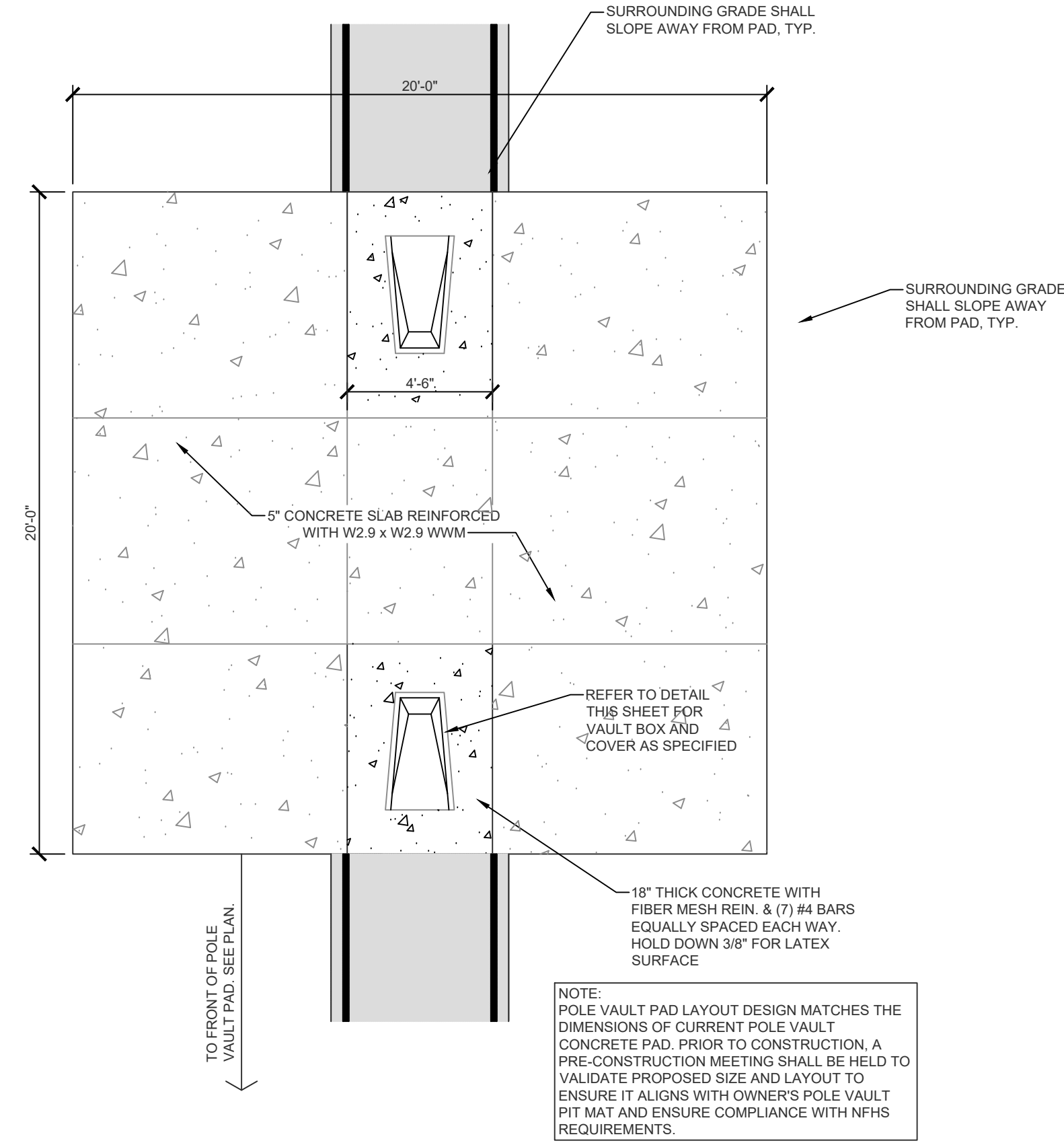
8 CONCRETE TURN DOWN AT EDGE OF TRACK
C5.11 NOT TO SCALE



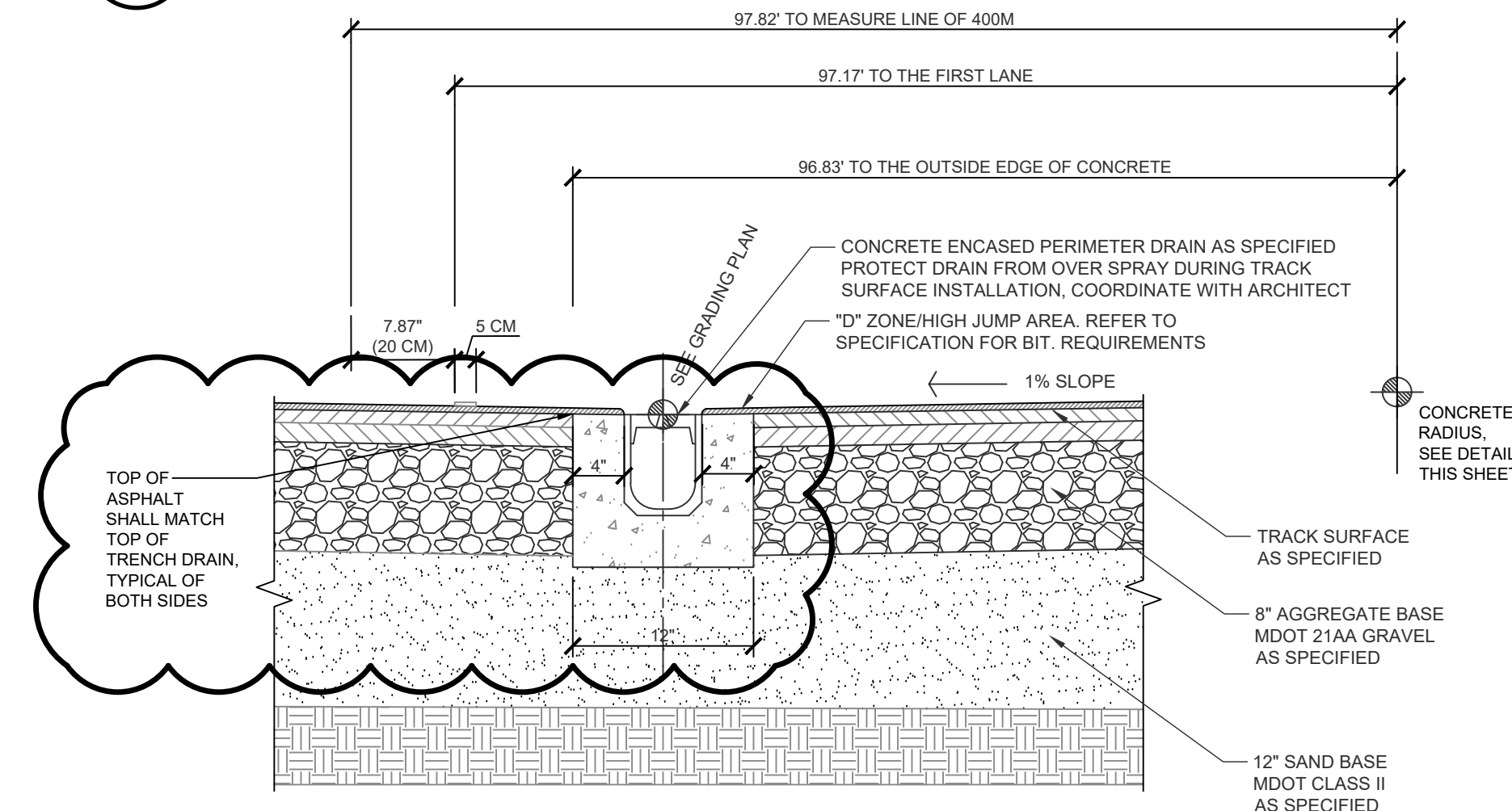
7 POLE VAULT PLANT BOX
C5.11 NOT TO SCALE



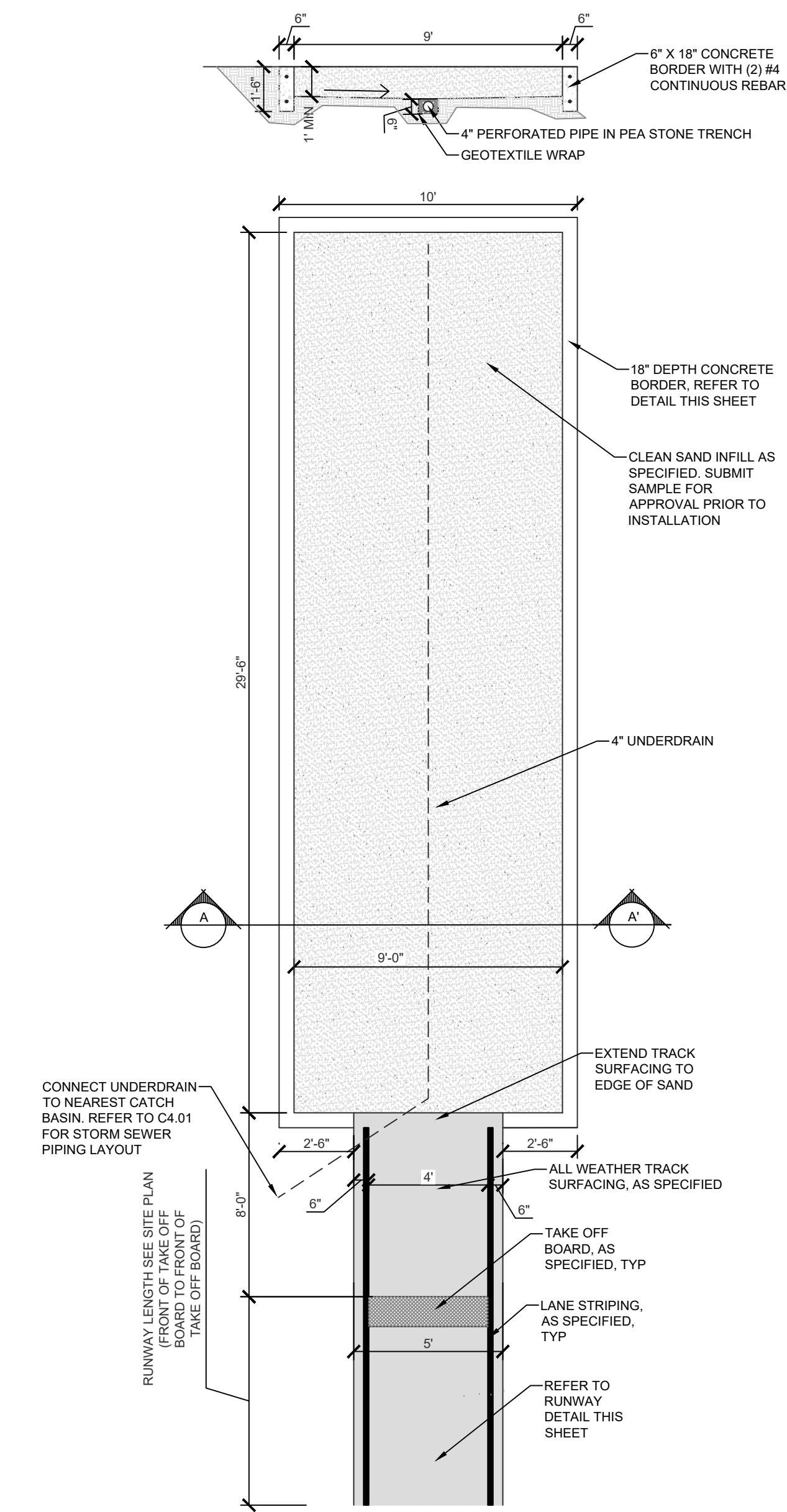
6 RUNWAY SECTION
C5.11 NOT TO SCALE



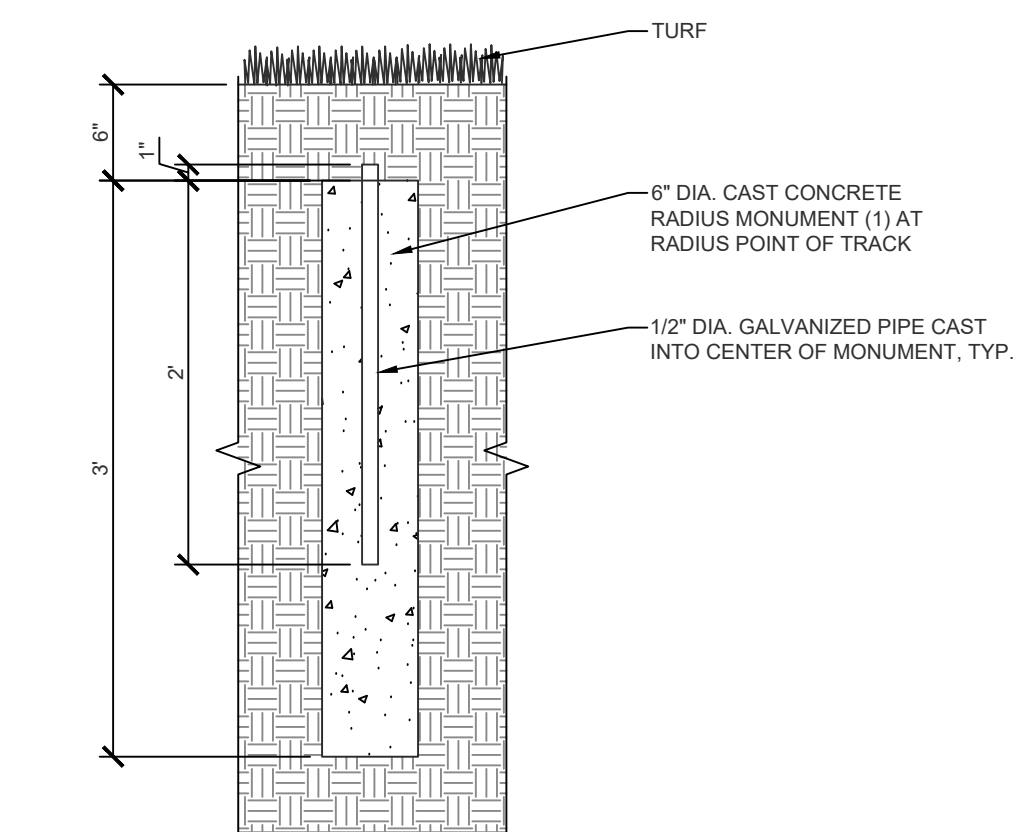
5 POLE VAULT DETAIL
C5.11 NOT TO SCALE



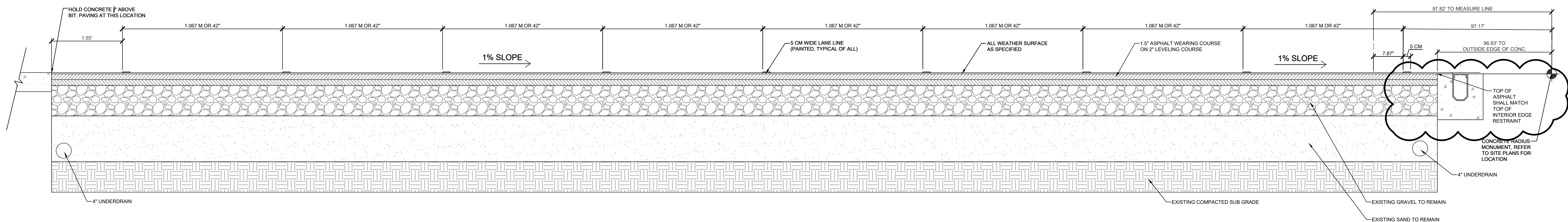
4 PERIMETER TRENCH DRAIN SYSTEM AT TRACK - HIGH JUMP
C5.11 NOT TO SCALE



3 LONG JUMP DETAIL WITH 6 INCH BORDER
C5.11 NOT TO SCALE



2 CONCRETE RADIUS MONUMENT
C5.11 NOT TO SCALE



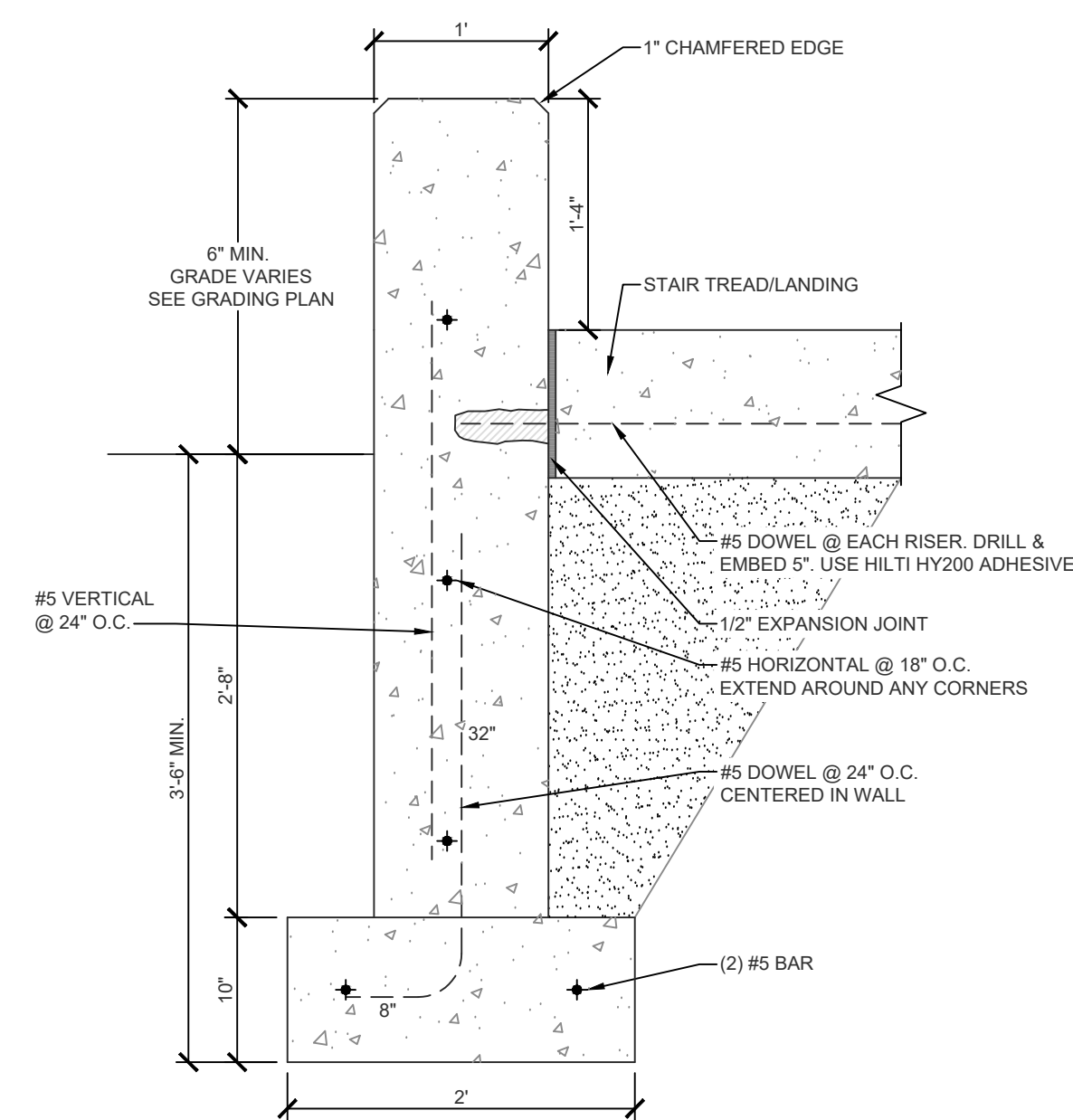
1 TRACK CROSS SECTION
C5.11 NOT TO SCALE

STAIR LAYOUT						
STAIR	# OF TREADS	TOTAL RUN	# OF RISERS	TOTAL RISE	ELEVATIONS	
					TOP TREAD	BOTTOM TREAD
STAIR 1 (SOUTH)	8	8'-0"	8	4'-0"	814.00	811.46
STAIR 2 (NORTH)	13	13'-0"	13	6'-6"	817.93	811.43

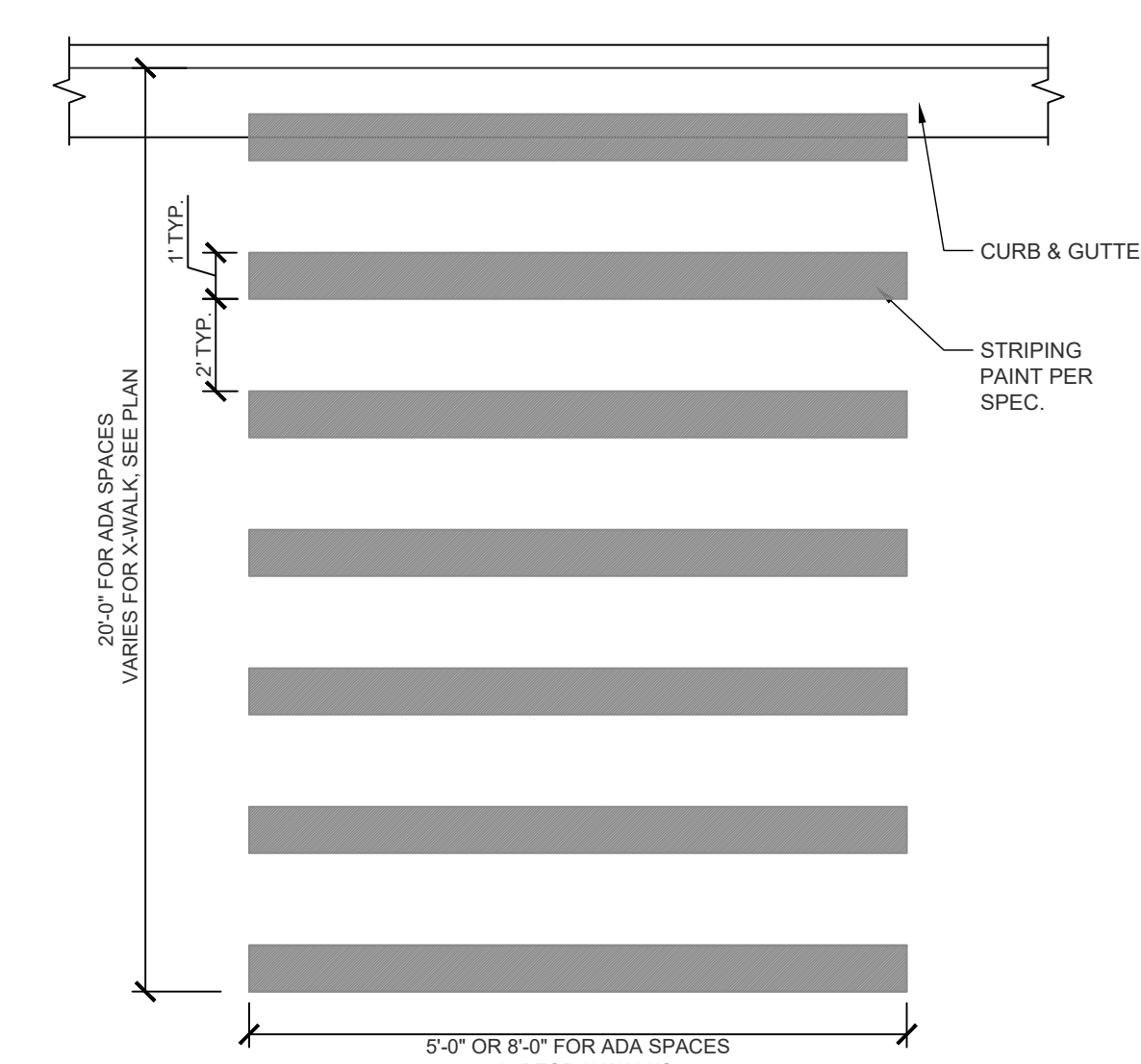
GENERAL NOTES:

- HANDRAILS SHALL EXTEND MIN. 1'-0" BEYOND THE NOSING OF THE TOP STEP AND MIN. 1'-0" PLUS A TYP. TREAD WIDTH PAST THE NOSING OF THE BOTTOM STEP.
- ALL REINFORCING MUST BE EMBEDDED MIN. 1'-0" IN CONCRETE.
- ALL HANDRAILS 1'-0" ONLY. PIPE HANDRAIL PAINTED BLACK.
- TYPICAL STEP FOOTING NOTE.
- DISTANCE BETWEEN VERTICAL HANDRAIL SUPPORTS MUST NOT EXCEED 4'. SPACING MUST BE EQUAL.

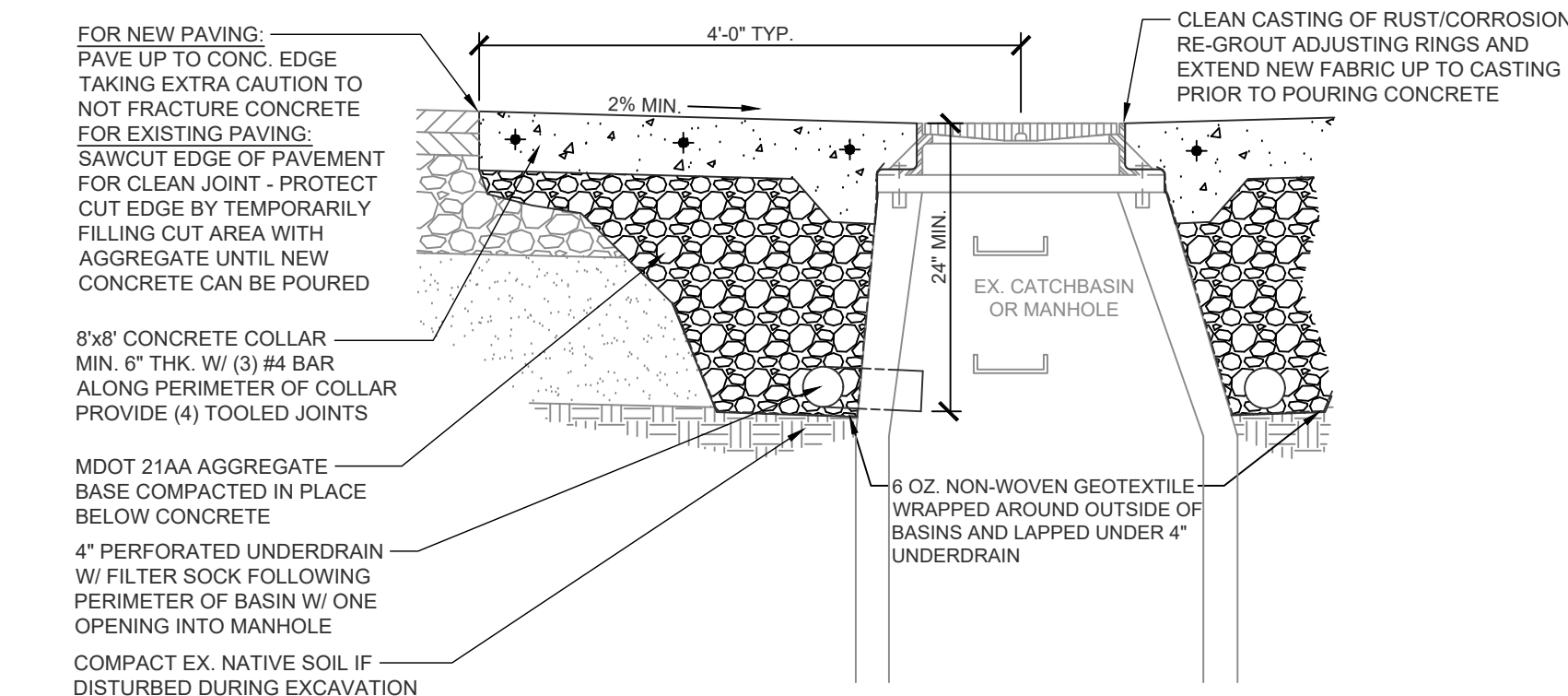
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C8.01
STAIR LAYOUT TABLE
NOT TO SCALE



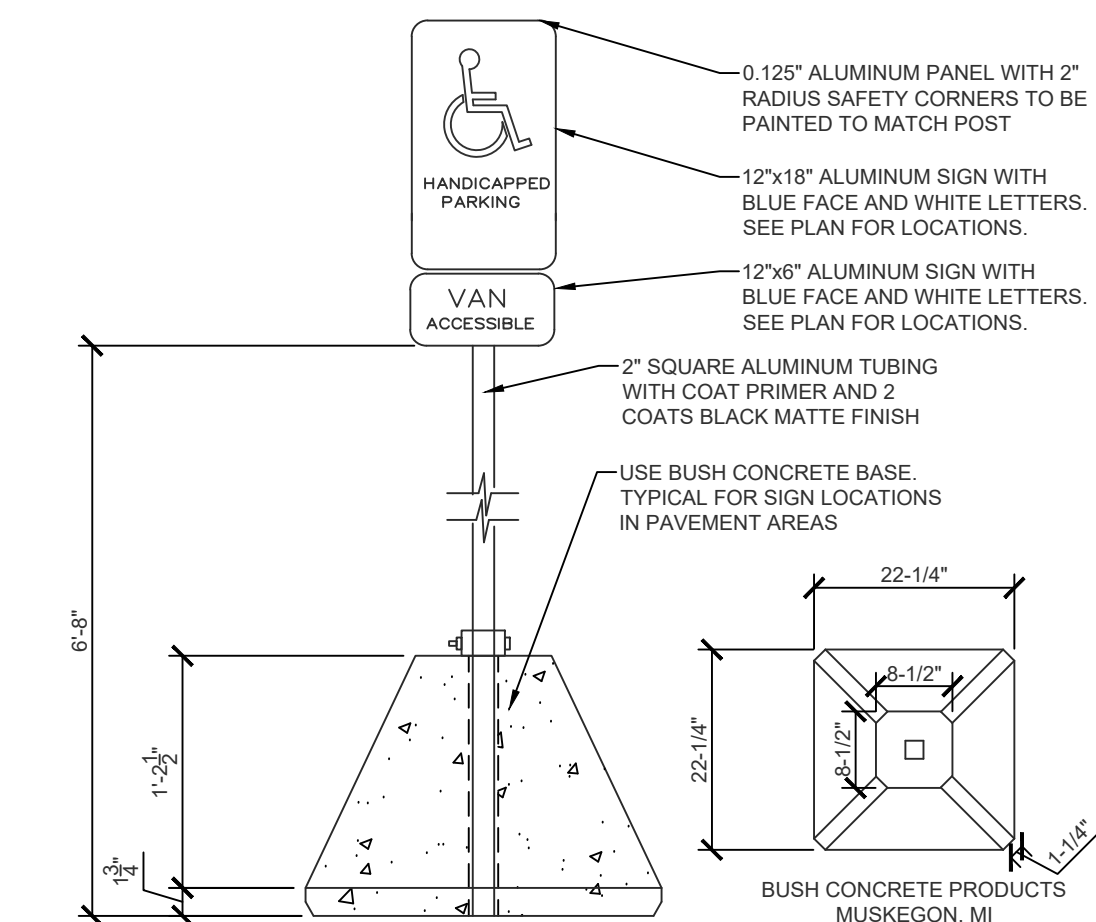
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C8.01
CHEEK WALL SECTION
NOT TO SCALE



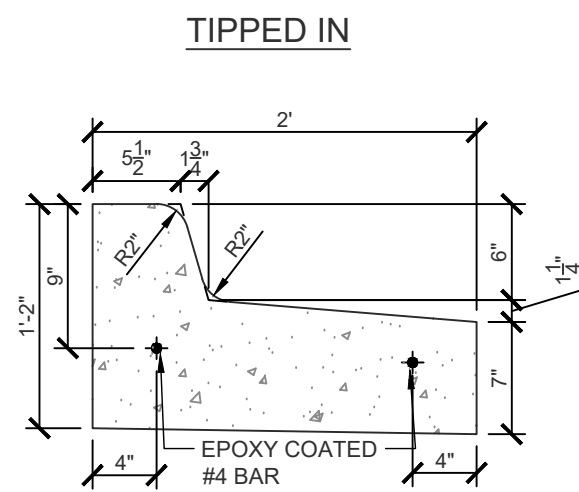
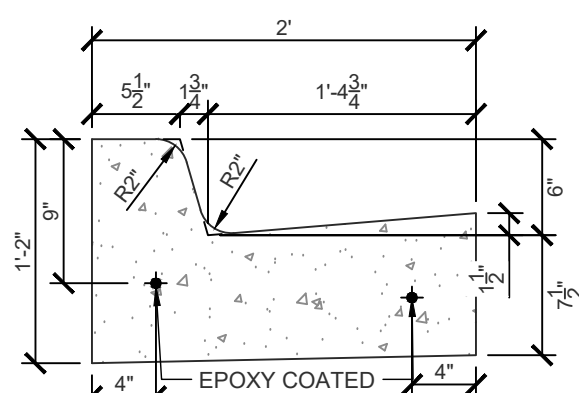
6
C8.01
BARRIER FREE SPACE - X-WALK STRIPING
NOT TO SCALE



5
C8.01
CONCRETE - BASIN COLLAR
NOT TO SCALE

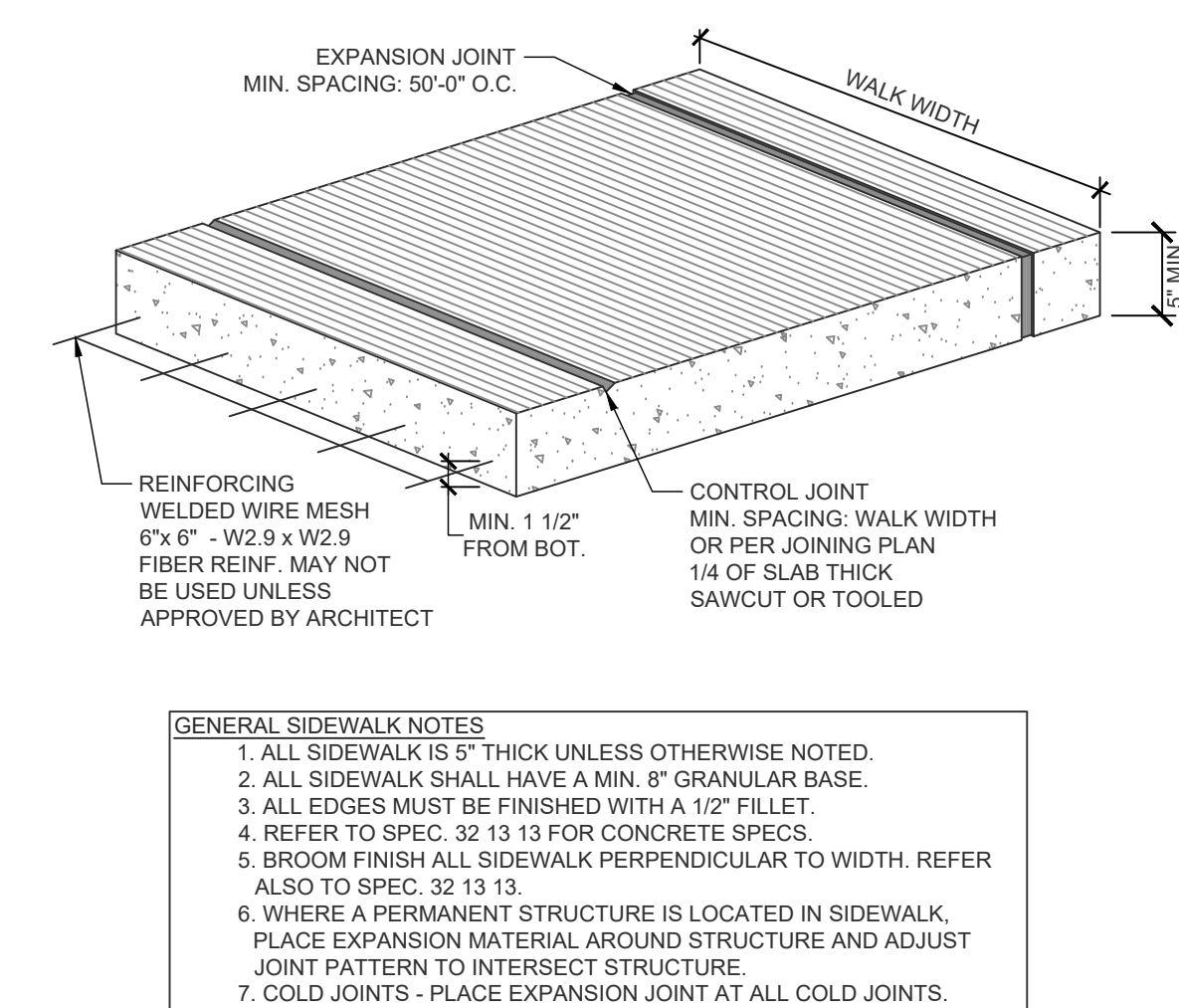


4
C8.01
SIGN - PARKING - BARRIER FREE SIGN
NOT TO SCALE

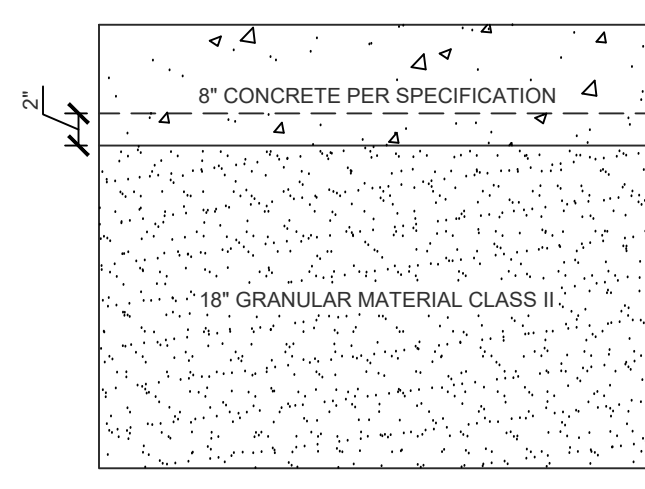


TIPPED OUT

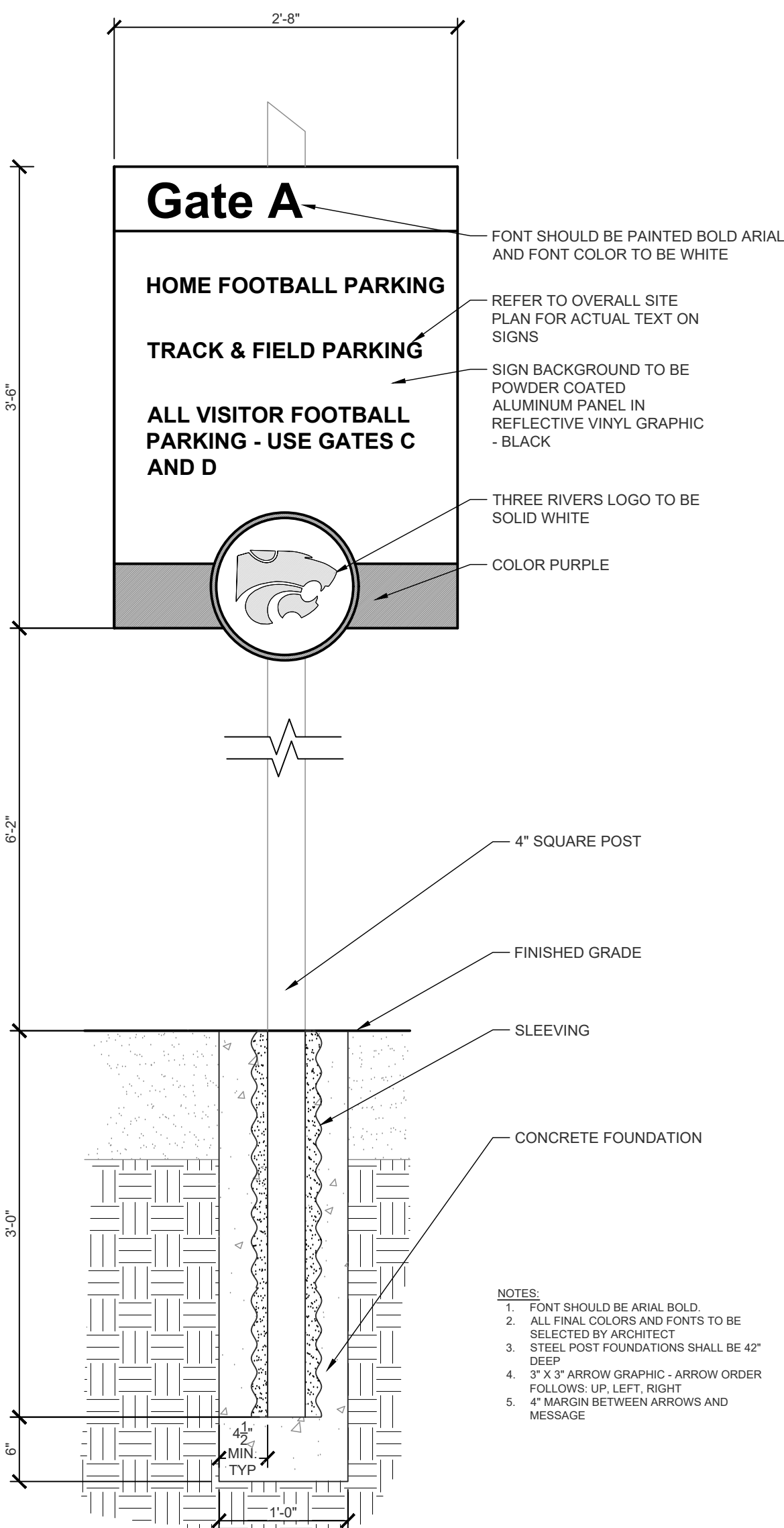
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MDOT F4 MODIFIED CURB
NOT TO SCALE



2
C8.01
CONCRETE - PAVEMENT - TYPICAL WALK
NOT TO SCALE



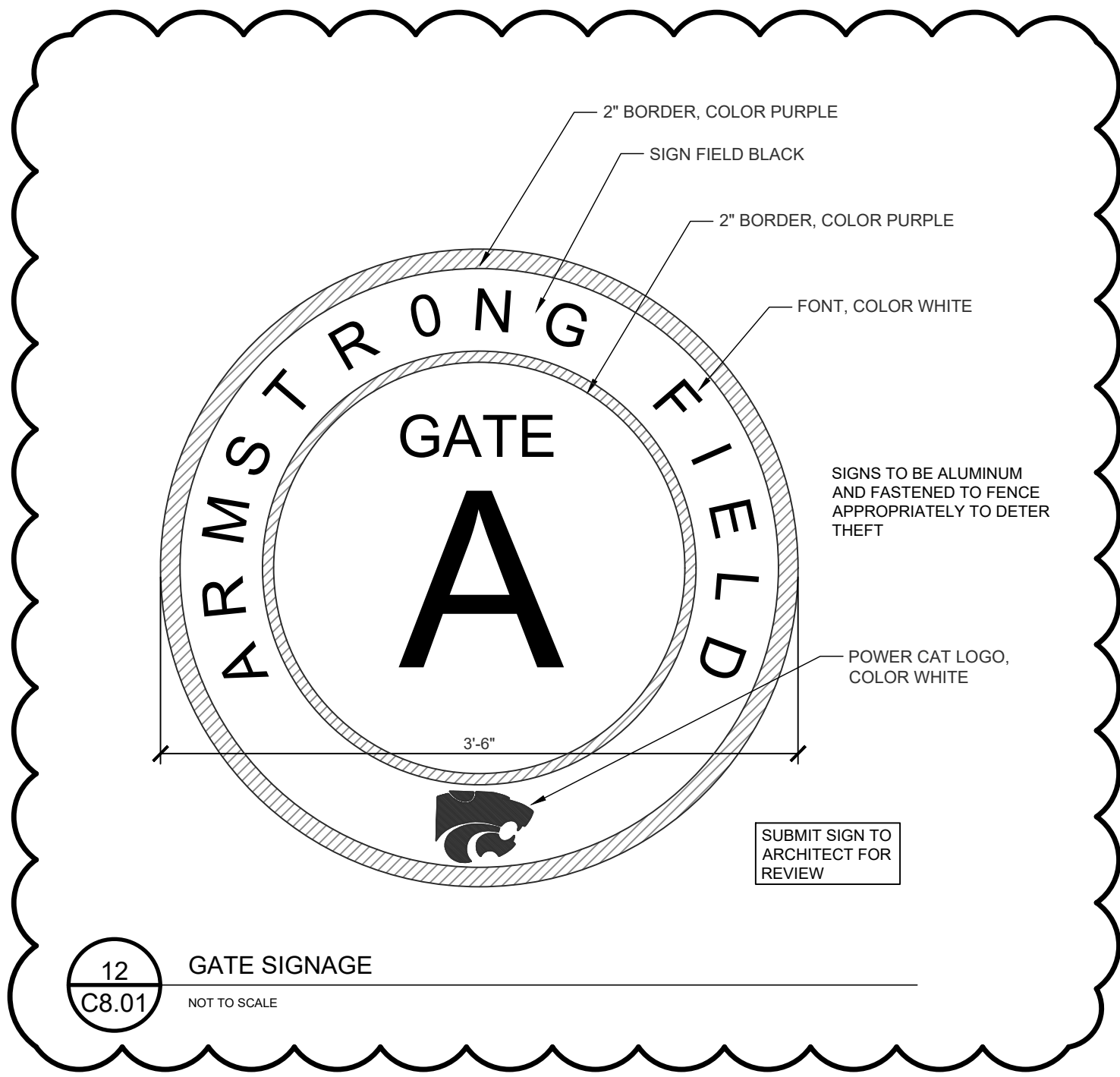
1
C8.01
CONCRETE - PAVEMENT - HEAVY DUTY
NOT TO SCALE



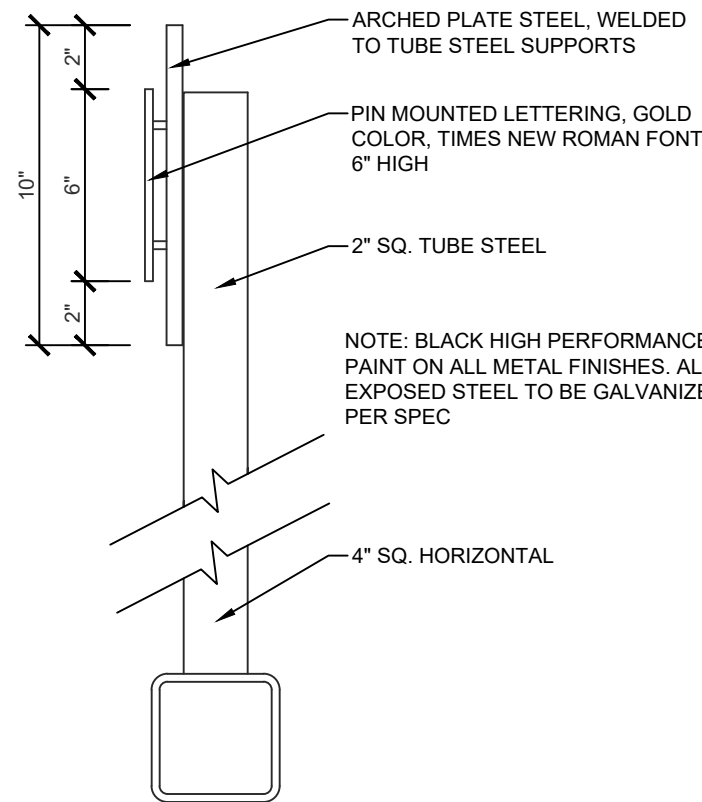
14
C8.01
LOT WAYFINDING SIGN
NOT TO SCALE



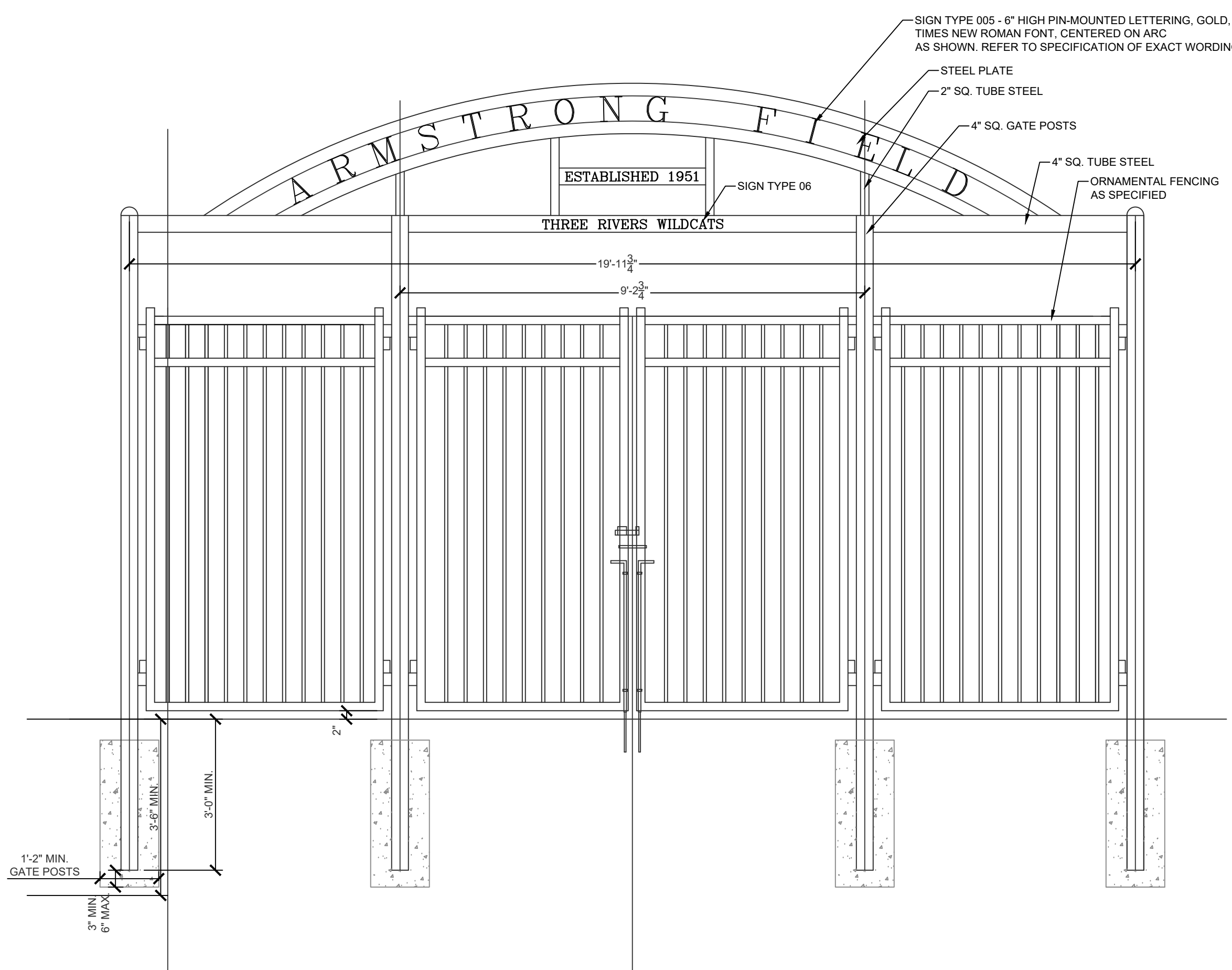
13
C8.01
TRACK & TURF RULES SIGNAGE
NOT TO SCALE



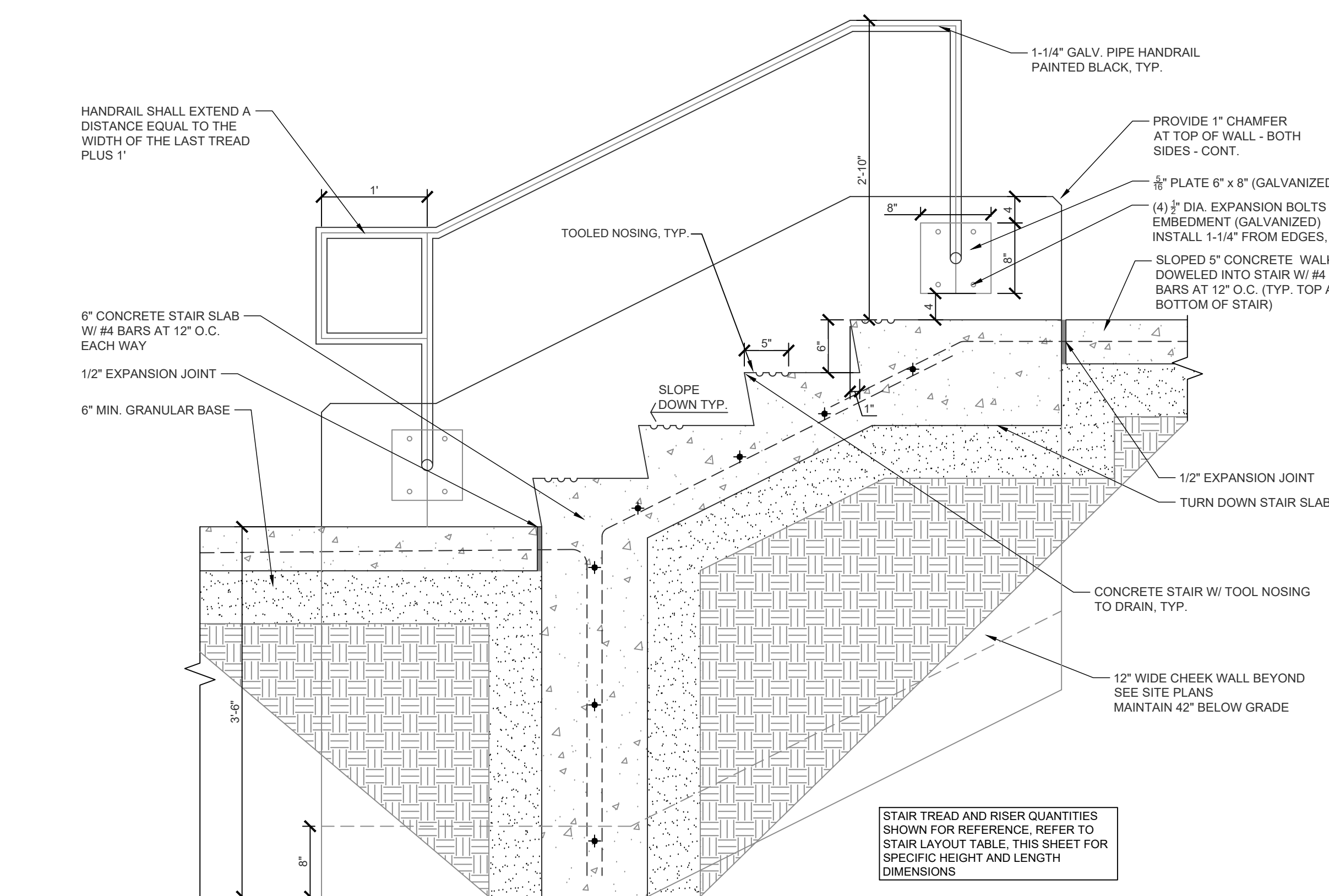
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GATE SIGNAGE
NOT TO SCALE



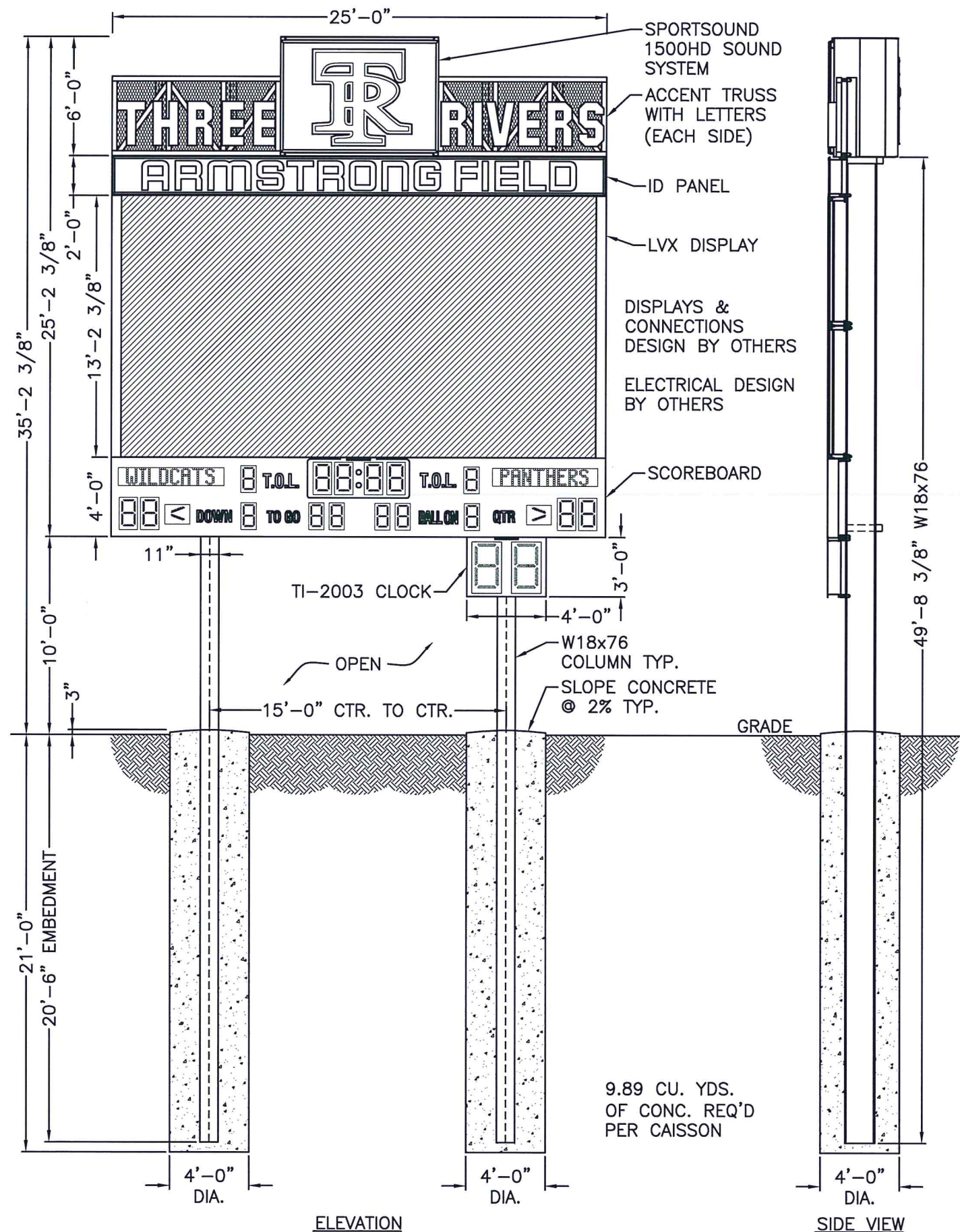
11
C8.01
ENTRY ARCH LETTERING SCHEMATIC DIAGRAM
NOT TO SCALE



10
C8.01
ENTRANCE GATE
NOT TO SCALE



9
C8.01
GENERAL STAIR DETAIL
NOT TO SCALE



NOTES:

1.0 REFERENCE

- 1.1 REFER TO DAKTRONICS PROPOSAL DRAWING FOR DISPLAY COMPONENT SPECIFICATIONS.
- 1.2 REFER TO DAKTRONICS RISER DIAGRAM FOR ALL ELECTRICAL POWER AND SIGNAL SPECIFICATIONS.
- 1.3 REFER TO INSTALLATION AND MAINTENANCE MANUAL FOR COMPLETE INSTALLATION INSTRUCTIONS.
- 1.4 ALL DIMENSIONS ARE IN FEET AND INCHES.

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- 2.1 THIS DESIGN IS INTENDED TO BE INSTALLED AT THE ADDRESS SHOWN AND SHOULD NOT BE USED AT ANY OTHER LOCATIONS.
- 2.2 DAKTRONICS IS RESPONSIBLE FOR CERTIFYING ALL NEW STRUCTURE.
- 2.3 FOOTING DESIGN COMPLETED BY DAKTRONICS' ENGINEER. SURVEYING COMPLETED BY CUSTOMER'S SUBCONTRACTOR. SOIL SAMPLE WAS COLLECTED AND ANALYZED BY DRIESENGA & ASSOCIATES, INC.; PROJECT NO. 2350354.3A; DATED: JUNE 20, 2023.
- 2.4 DAKTRONICS' AND CUSTOMER'S SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO INSTALLATION.
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- 2.6 ALL ACCESS STRUCTURE MUST MEET ALL APPLICABLE LOCAL, FEDERAL, AND STATE SAFETY REGULATIONS.
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- 2.9 EACH SUBCONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF WASTE MATERIALS ON THE JOBSITE.

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- 3.1 DAKTRONICS DISPLAYS ARE ALUMINUM AND STEEL CONSTRUCTION.
- 3.2 ELECTRICAL COMPONENTS ARE ACCESSED FROM THE FRONT AND/OR REAR FOR THE VIDEO DISPLAY, FRONT FOR THE SCOREBOARD, FRONT FOR THE BACKLIT AD PANELS, AND REAR FOR THE SPEAKER CABINET.
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- 3.5 DAKTRONICS LVX VIDEO DISPLAYS ARE SUPPLIED WITH T-CLIPS ATTACHED TO DISPLAY SECTIONS WITH 1/2" GRADE 5 HARDWARE AT ALL PREDETERMINED LOCATIONS.
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- 3.8 DAKTRONICS ACCENT TRUSSES ARE SUPPLIED WITH CLIP ANGLES OR ROCKER CLAMPING HARDWARE THAT ATTACHES TO DISPLAY SECTIONS WITH 1/2" GRADE 5 HARDWARE AT PREDETERMINED LOCATIONS.
- 3.9 DEPTH OF CABINET MAY VARY DEPENDING ON DISPLAY TECHNOLOGY.

4.0 STRUCTURAL NOTES

- 4.1 COMPLY WITH THE PROVISIONS OF THE FOLLOWING LATEST EDITIONS BUT NOT LIMITED TO THESE ONLY:
 - ALL FEDERAL, STATE AND LOCAL LAWS THAT GOVERN SAFETY REQUIREMENTS FOR STEEL ERECTION.
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
 - AMERICAN WELDING SOCIETY (AWS) STANDARD CODE D1.1 "STRUCTURAL WELDING CODE"
 - AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM F3125 GR. A325 OR A490 BOLTS" APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.
 - ACI-318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY"
- 4.2 STRUCTURAL STEEL GRADE:
 - PLATE, ANGLE, AND CHANNEL SHALL BE ASTM A36 (Fy=36 ksi)
 - HOLLOW STRUCTURAL STEEL TUBE SHALL BE ASTM A500-C (Fy=50 ksi)
 - WIDE FLANGE AND WT SHALL BE ASTM A992-50 (Fy=50 ksi)
- 4.3 BOLTS AND NUTS
 - ALL BOLTS SHALL BE HEAVY HEX STRUCTURAL BOLTS ASTM F3125 GR. A325 TYPE 1 U.N.O.
 - ANCHOR BOLTS SHALL MEET ASTM F1554 GRADE 55
 - STRUCTURAL HEX NUTS SHALL BE MINIMUM ASTM A563-DH
 - STRUCTURAL WASHERS SHALL BE MINIMUM ASTM F436
 - GRADE 5 HARDWARE SHALL BE ACCEPTABLE WHERE SPECIFIED ON DRAWINGS
 - ALL HEAVY HEX STRUCTURAL BOLTS, ANCHOR RODS, NUTS & WASHERS SHALL BE GALVANIZED PER THE LATEST EDITION OF ONE OF THE FOLLOWING ASTM STANDARDS: ASTM A153 (CLASS C) OR ASTM B995 (CLASS 50)
 - ALL BOLTS IN CONTACT WITH ALUMINUM SHALL BE ZINC PLATED GALVANIZED AND SHALL BE MINIMUM ASTM A325
 - ALL BOLTS SHALL BE FULLY PRETENSIONED PER APPROVED METHODS LISTED IN AISC STANDARDS U.N.O.
- 4.4 CONCRETE AND GROUT
 - CONCRETE SHALL BE PLACED TO ACI CODES AND STANDARDS OF PRACTICE. CONSTRUCTION JOINTS ARE NOT ALLOWED. INDIVIDUAL FOUNDATIONS SHALL BE POURED IN A CONTINUOUS POUR.
 - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,000 psi.
 - NON-SHRINK GROUT SHALL CONFORM TO ASTM C-1107. NON-SHRINK GROUT SHALL HAVE A MINIMUM STRENGTH AT 28 DAYS OF 8,000 PSI AND SHALL BE SLOPED AWAY FROM COLUMNS IN ALL DIRECTIONS AT A MINIMUM 2.0% SLOPE.
 - FOR ANCHOR BOLTED COLUMNS, EQUIPMENT CAN BE INSTALLED ON STRUCTURE AFTER A MINIMUM CURING TIME OF 14 DAYS, PROVIDED THE CURING PROCESS HAS BEEN PROPERLY MAINTAINED IN ACCORDANCE WITH ACI-318.
 - FOR DIRECTLY EMBEDDED COLUMNS, EQUIPMENT CAN BE INSTALLED ON STRUCTURE AFTER A MINIMUM CURING TIME OF 7 DAYS, PROVIDED THE CURING PROCESS HAS BEEN PROPERLY MAINTAINED IN ACCORDANCE WITH ACI-318.
- 4.5 STRUCTURAL STEEL WELDING
 - ALL WELDING (SHOP & FIELD) SHALL BE PERFORMED BY A WELDER CERTIFIED FOR THE SPECIFIED TYPE AND POSITION OF THE REQUIRED WELD.
 - ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1
 - SHIELDED METAL ARC WELDING PROCESSES SHALL BE USED TO PERFORM WELDS
 - LOW HYDROGEN E70 SERIES ELECTRODES TO BE USED WITH SMAW PROCESS
- 4.6 PAINT
 - ALL STRUCTURE STEEL SHALL BE PREPARED TO MEET CUSTOMERS SPECIFICATIONS OR A MINIMUM OF SSPC-SP2
 - ALL STEEL MUST BE COATED AND PROTECTED BY SPECIFIED PRIMER AND THEN FINISHED PER COLOR INDICATED BY THE CUSTOMER
 - IMMEDIATELY AFTER SURFACE PREPARATION APPLY SPECIFIED PRIMER AT A RATE TO PROVIDE A UNIFORM DRY THICKNESS OF 2 MILS
 - TOUCH UP PAINT AFTER INSTALLATION
- 4.7 ALL HOLLOW STRUCTURAL STEEL SECTIONS SHALL BE CAPPED AND WELDED ALL AROUND TO PREVENT WATER FROM ENTERING THE SECTION
 - SELF-DRILLING TEK SCREWS SHALL NOT BE USED FOR ATTACHMENT INTO HOLLOW STRUCTURAL STEEL SECTIONS UNLESS A THREAD SEALANT IS USED TO PREVENT WATER FROM ENTERING SECTION
 - ANY OTHER PENETRATIONS INTO HOLLOW STRUCTURAL STEEL SECTIONS SHALL BE PROPERLY SEALED TO PREVENT WATER INTRUSION
- 4.8 MICHIGAN BUILDING CODE 2015 (IBC 2015), ASCE 7-10, DESIGN CRITERIA:
 - EXPOSURE C, CATEGORY II
 - WIND SPEED = 115 MPH
 - SEISMIC DESIGN CATEGORY = B; S_{DS} = 0.10
 - ALLOWABLE LATERAL SOIL BEARING PRESSURE = 200 PSF PER FOOT OF DEPTH
 - ALLOWABLE VERTICAL SOIL BEARING PRESSURE = 1500 PSF
 - DESIGN WIND PRESSURE = 24.43 PSF (ASD)

INSTALLATION ADDRESS:

THREE RIVERS
HIGH SCHOOL

700 6th AVENUE
THREE RIVERS, MI 49093

CLIENT:

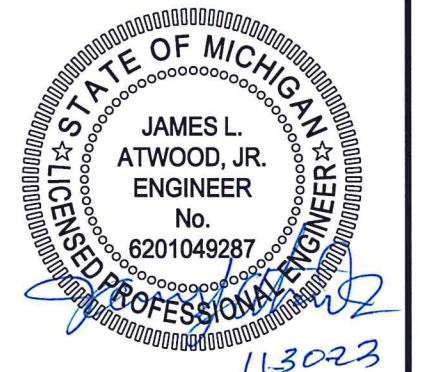


331 32nd AVENUE
BROOKINGS, SD 57006

REV	DATE	DESCRIPTION
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2	-/-/-	-----
3	-/-/-	-----

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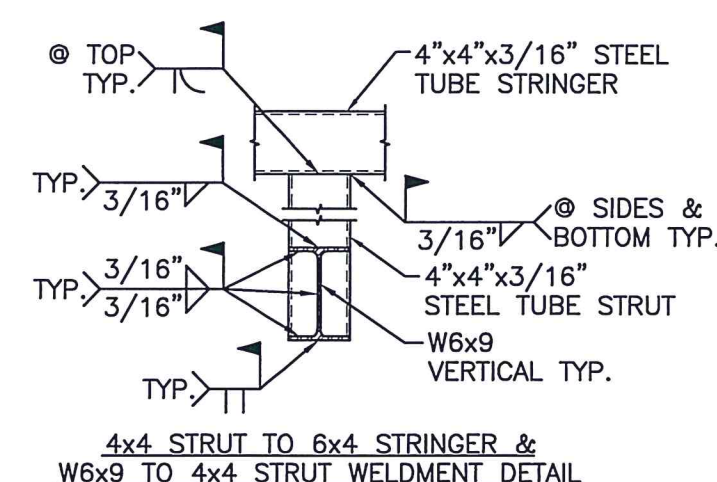
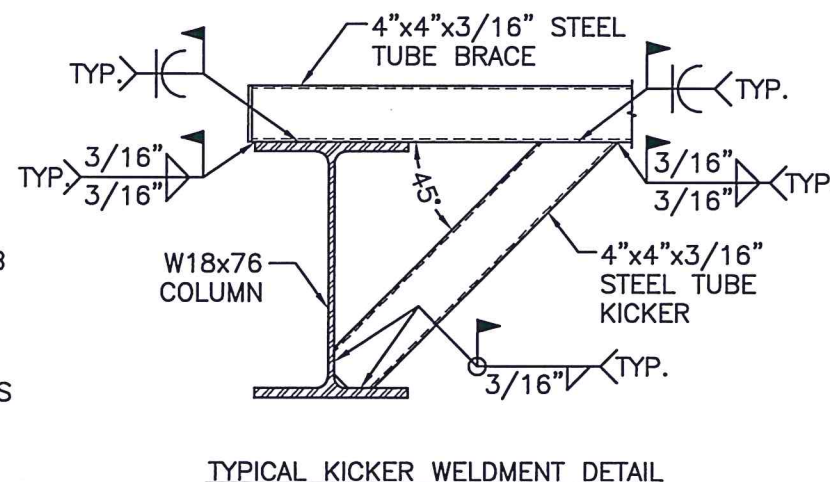
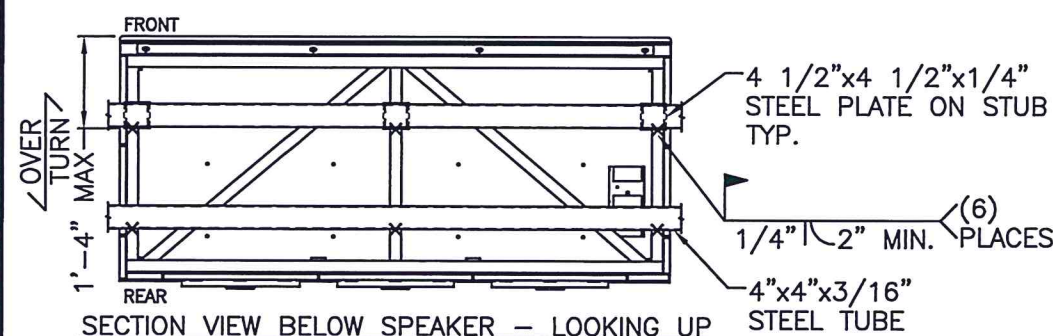
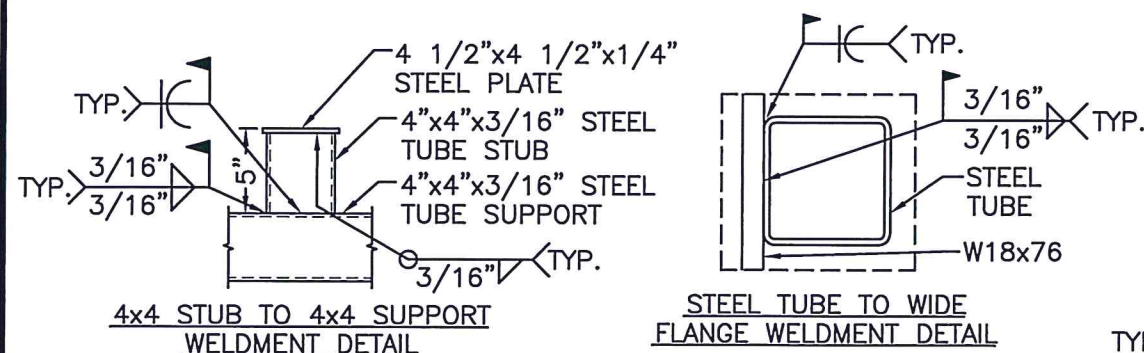
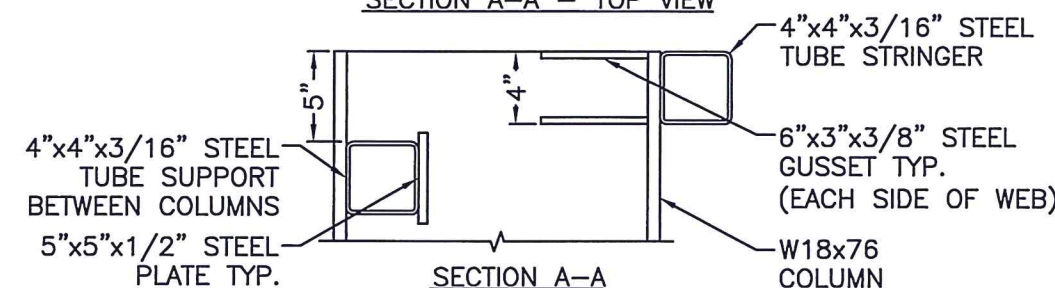
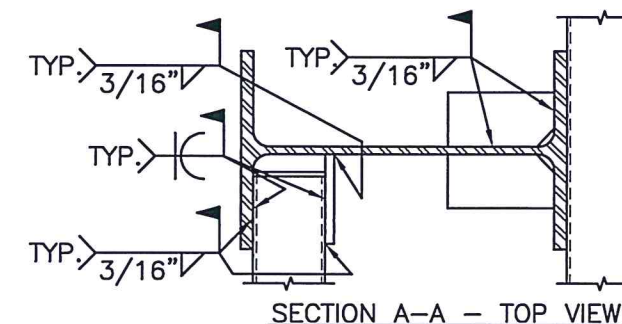
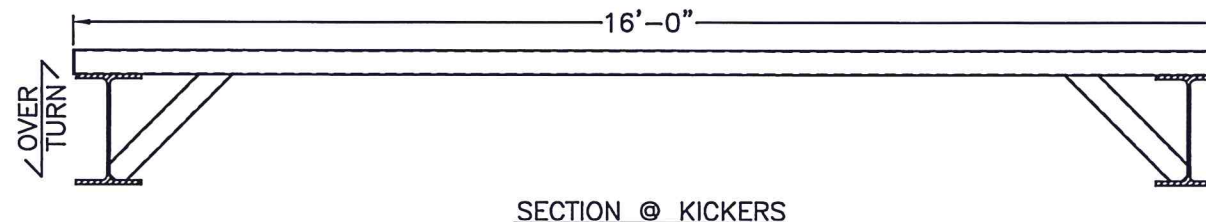
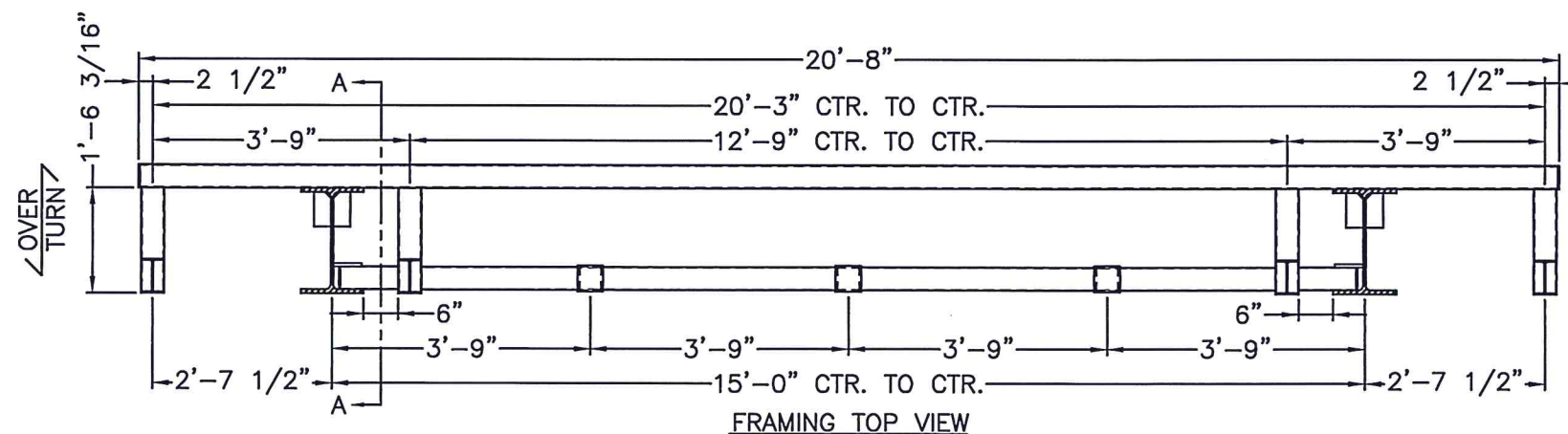
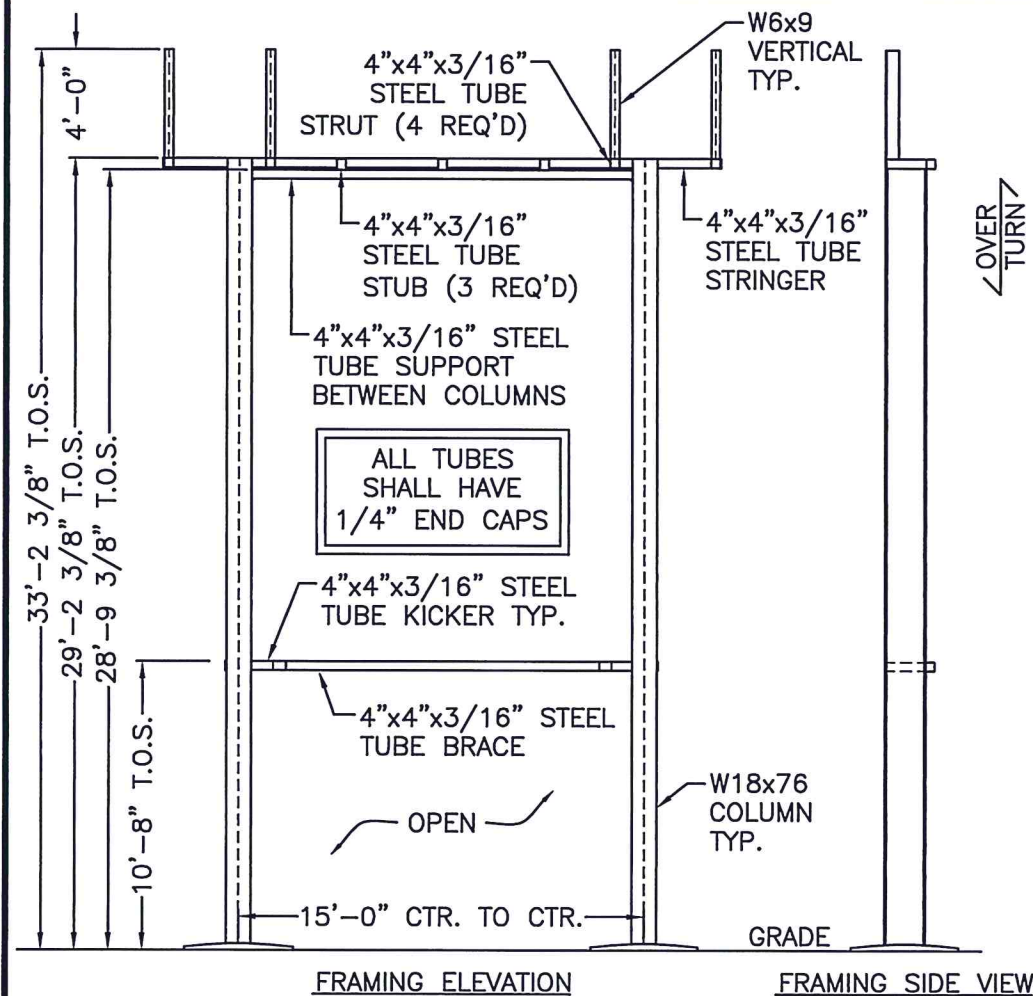
SEAL & SIGNATURE:



LINK Engineering, L.L.C.

135 South David Lane • Knoxville, Tennessee 37922
Phone: (865) 538-4001 • www.linkengr.com

Project Number: 23-0541R2		Drawing Number: B1191803R	
SHT. 1	OF 3	DATE: 11/29/23	BY: TR



INSTALLATION ADDRESS:

THREE RIVERS
HIGH SCHOOL

700 6th AVENUE
THREE RIVERS, MI 49093

CLIENT:

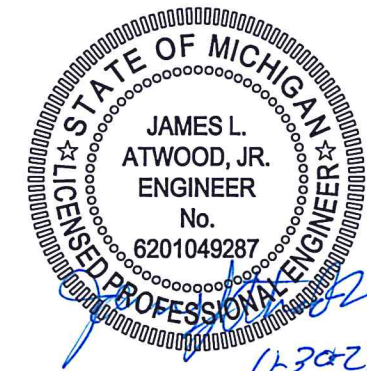
DAKTRONICS

331 32nd AVENUE
BROOKINGS, SD 57006

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3	-/-/-	-----

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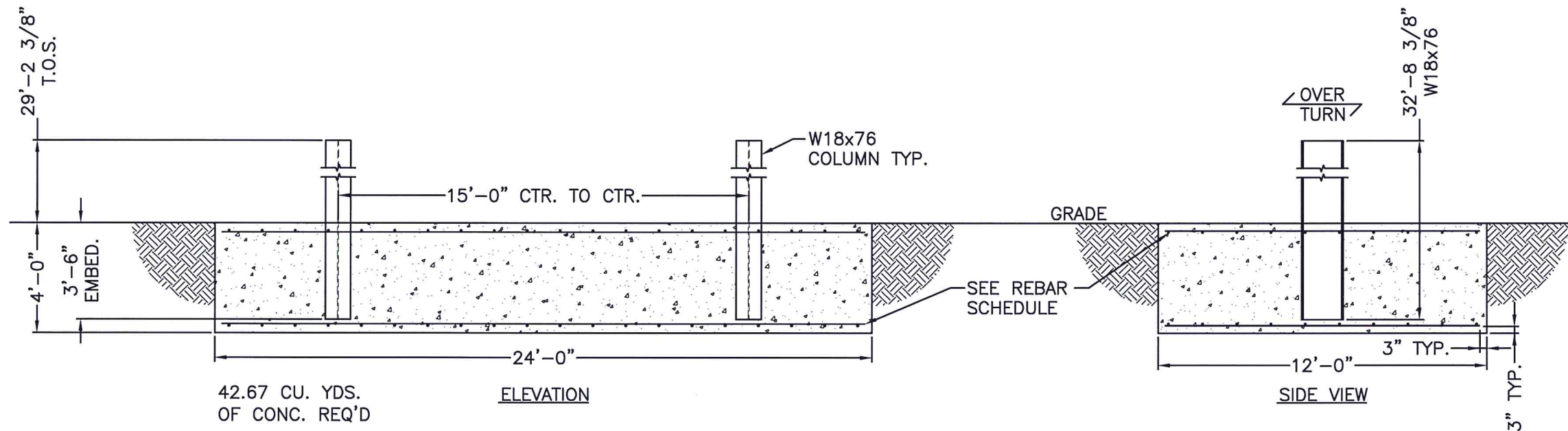
SEAL & SIGNATURE:



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Project Number:	Drawing Number:
23-0541R2	B1191803R
SHT. 2	OF 3
DATE: 11/29/23	BY: TR

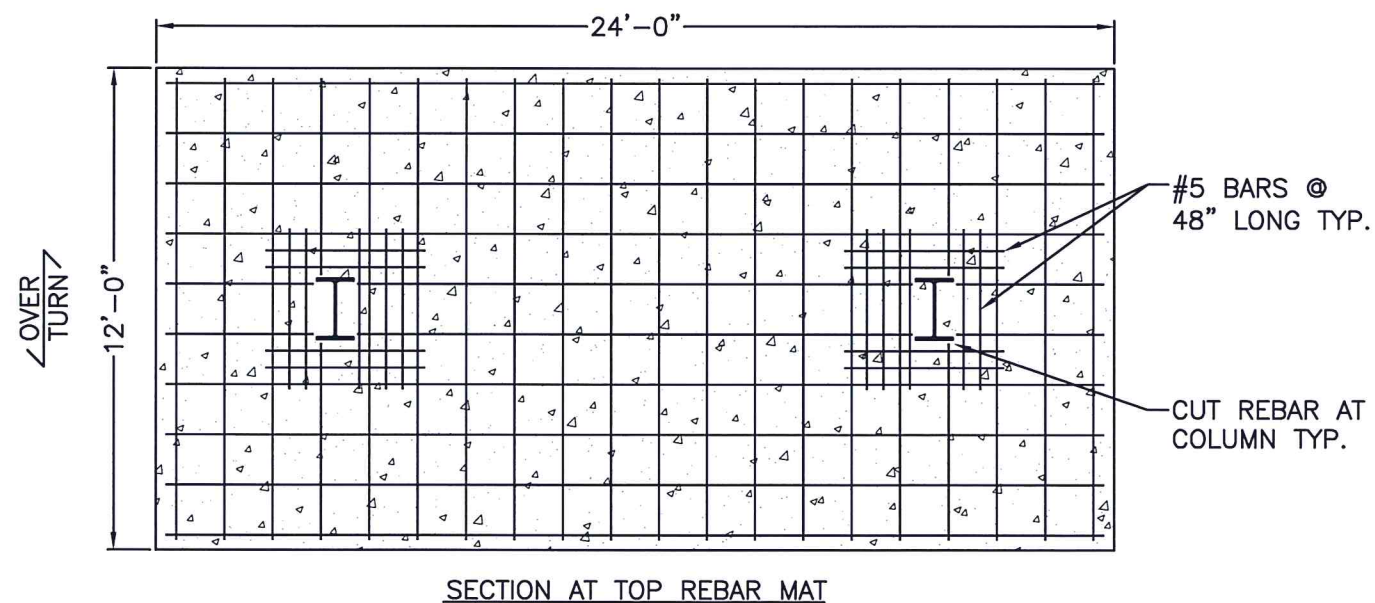


42.67 CU. YDS.
OF CONC. REQ'D

ELEVATION

OPTIONAL SPREAD FOUNDATION

REBAR SCHEDULE		DO NOT WELD REBAR		
SPREAD FOUNDATION				
PLACEMENT	SIZE	SPACING	QUANTITY	
BOTTOM OVERTURN STEEL	#6	14 1/2"	20	
TOP OVERTURN STEEL	#5	14 1/2"	20	
BOTTOM CROSS STEEL	#5	15"	10	
TOP CROSS STEEL	#5	15"	10	



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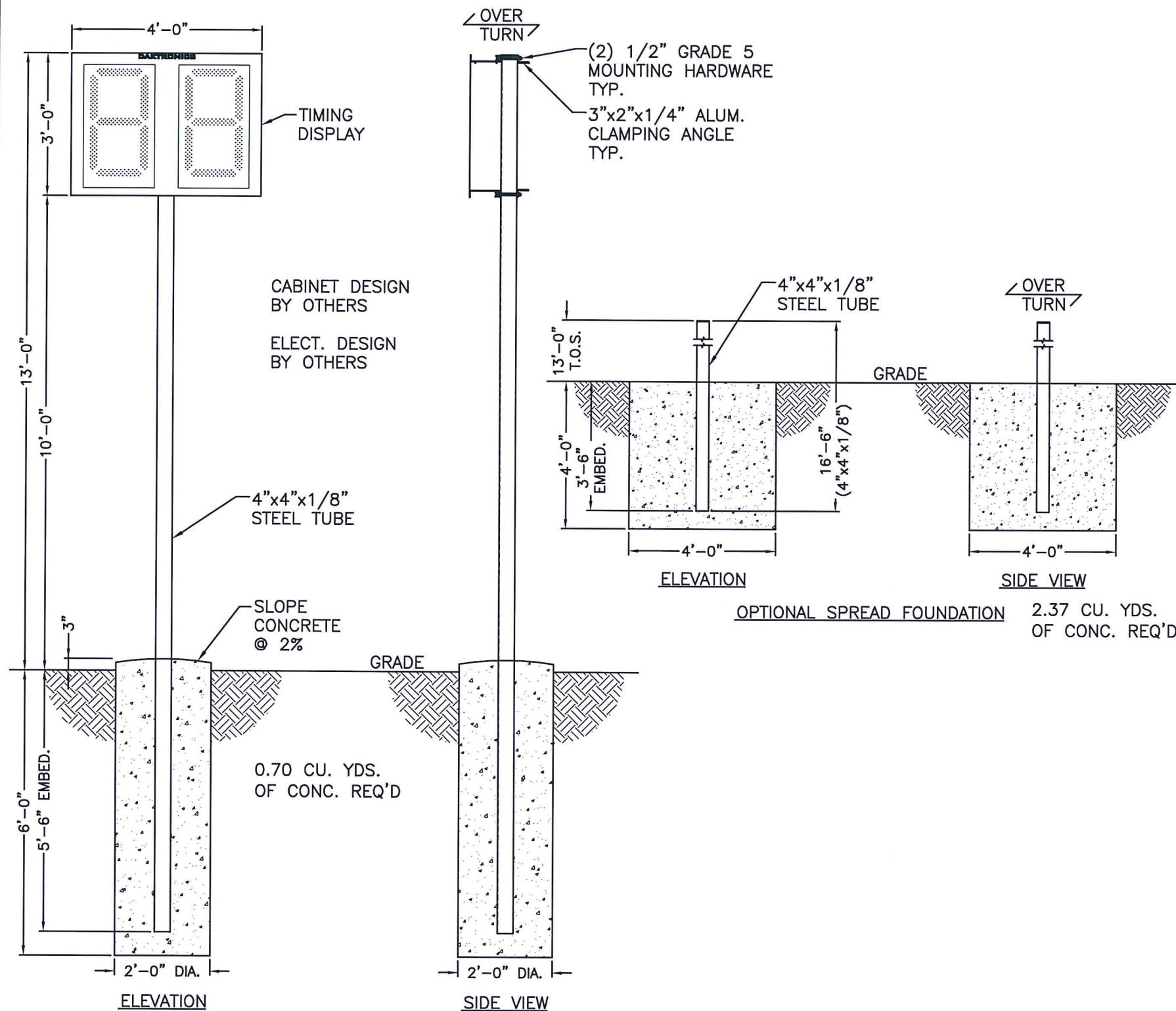
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Project Number:		Drawing Number:	
23-0541R2		B1191803R	
SHT.	OF	DATE:	BY:
3	3	11/29/23	TR



A COATING TYPE BARRIER SHALL BE APPLIED BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC REACTION

TUBE SHALL HAVE A 1/4" END CAP

NOTES:

1.0 REFERENCE

- 1.1 REFER TO DAKTRONICS PROPOSAL DRAWING FOR DISPLAY COMPONENT SPECIFICATIONS.
- 1.2 REFER TO DAKTRONICS RISER DIAGRAM FOR ALL ELECTRICAL POWER AND SIGNAL SPECIFICATIONS.
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 - ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1
 - SHIELDED METAL ARC WELDING PROCESSES SHALL BE USED TO PERFORM WELDS
 - LOW HYDROGEN E70 SERIES ELECTRODES TO BE USED WITH SMAW PROCESS
- 4.6 PAINT:
 - ALL STRUCTURE STEEL SHALL BE PREPARED TO MEET CUSTOMERS SPECIFICATIONS OR A MINIMUM OF SSPC-SP2
 - ALL STEEL MUST BE COATED AND PROTECTED BY SPECIFIED PRIMER AND THEN FINISHED PER COLOR INDICATED BY THE CUSTOMER
 - IMMEDIATELY AFTER SURFACE PREPARATION APPLY SPECIFIED PRIMER AT A RATE TO PROVIDE A UNIFORM DRY THICKNESS OF 2 MILS
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 - ANY OTHER PENETRATIONS INTO HOLLOW STRUCTURAL STEEL SECTIONS SHALL BE PROPERLY SEALED TO PREVENT WATER INTRUSION
- 4.8 MICHIGAN BUILDING CODE 2015 (IBC 2015), ASCE 7-10, DESIGN CRITERIA:
 - EXPOSURE C, CATEGORY II
 - WIND SPEED = 115 MPH
 - SEISMIC DESIGN CATEGORY = B; S_{MS} = 0.10
 - ALLOWABLE LATERAL SOIL BEARING PRESSURE = 200 PSF PER FOOT OF DEPTH
 - ALLOWABLE VERTICAL SOIL BEARING PRESSURE = 1500 PSF
 - DESIGN WIND PRESSURE = 22.43 PSF (ASD)

INSTALLATION ADDRESS:

THREE RIVERS
HIGH SCHOOL

700 6th AVENUE
THREE RIVERS, MI 49093

CLIENT:



331 32nd AVENUE
BROOKINGS, SD 57006

REV	DATE	DESCRIPTION
1	-/-/-	-----
2	-/-/-	-----
3	-/-/-	-----

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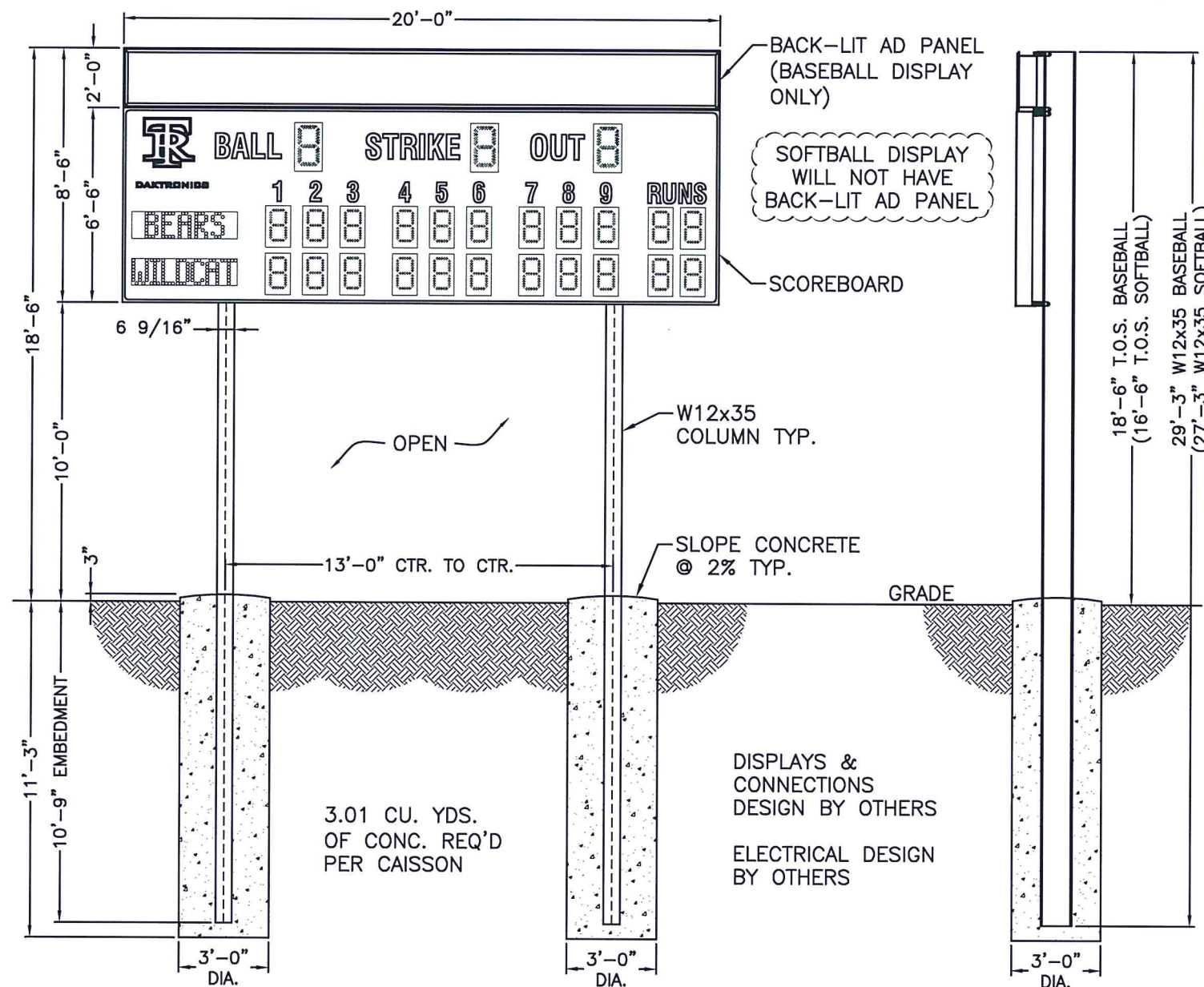
SEAL & SIGNATURE:



LINK Engineering, L.L.C.

135 South David Lane • Knoxville, Tennessee 37922
Phone: (865) 539-4001 • www.linkengr.com

Project Number: 23-0541R2		Drawing Number: B1191804R	
SHT. 1	OF 1	DATE: 11/29/23	BY: TR

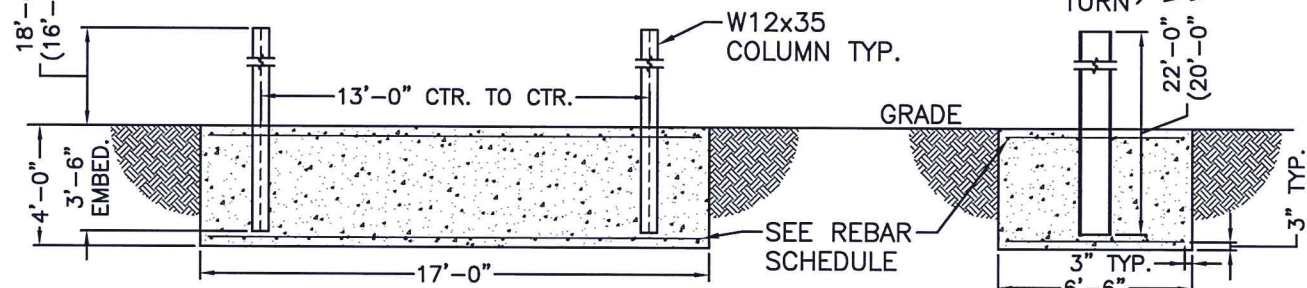


ELEVATION

SIDE VIEW

18'-6" T.O.S. BASEBALL
(16'-6" T.O.S. SOFTBALL)

REBAR SCHEDULE		DO NOT WELD REBAR		
PLACEMENT	SIZE	SPACING	QUANTITY	
BOTTOM OVERTURN STEEL	#4	13"	16	
TOP OVERTURN STEEL	#4	13"	16	
BOTTOM CROSS STEEL	#4	14"	6	
TOP CROSS STEEL	#4	14"	6	



ELEVATION

SIDE VIEW

16.37 CU. YDS.
OF CONC. REQ'D

OPTIONAL SPREAD FOUNDATION

NOTES:

1.0 REFERENCE

- 1.1 REFER TO DAKTRONICS PROPOSAL DRAWING FOR DISPLAY COMPONENT SPECIFICATIONS.
- 1.2 REFER TO DAKTRONICS RISER DIAGRAM FOR ALL ELECTRICAL POWER AND SIGNAL SPECIFICATIONS.
- 1.3 REFER TO INSTALLATION AND MAINTENANCE MANUAL FOR COMPLETE INSTALLATION INSTRUCTIONS.
- 1.4 ALL DIMENSIONS ARE IN FEET AND INCHES.

2.0 PROJECT RESPONSIBILITY

- 2.1 THIS DESIGN IS INTENDED TO BE INSTALLED AT THE ADDRESS SHOWN AND SHOULD NOT BE USED AT ANY OTHER LOCATIONS.
- 2.2 DAKTRONICS IS RESPONSIBLE FOR CERTIFYING ALL NEW STRUCTURE.
- 2.3 FOOTING DESIGN COMPLETED BY DAKTRONICS' ENGINEER. SURVEYING COMPLETED BY CUSTOMER'S SUBCONTRACTOR. SOIL SAMPLE WAS COLLECTED AND ANALYZED BY DRIESSEN & ASSOCIATES, INC.; PROJECT NO. 2350354.3A; DATED: JUNE 20, 2023.
- 2.4 DAKTRONICS' AND CUSTOMER'S SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO INSTALLATION.
- 2.5 ALL SUBCONTRACTORS SHALL PERFORM WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND OR LOCAL REGULATIONS.
- 2.6 ALL ACCESS STRUCTURE MUST MEET ALL APPLICABLE LOCAL, FEDERAL, AND STATE SAFETY REGULATIONS.
- 2.7 EACH SUBCONTRACTOR IS RESPONSIBLE FOR JOBSITE SAFETY.
- 2.8 ERECTION SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGNING AND PROVIDING TEMPORARY BRACING FOR STABILITY OF UNINSTALLED EQUIPMENT AND STRUCTURE.
- 2.9 EACH SUBCONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF WASTE MATERIALS ON THE JOBSITE.

3.0 DISPLAY NOTES

- 3.1 DAKTRONICS DISPLAYS ARE ALUMINUM AND STEEL CONSTRUCTION.
- 3.2 ELECTRICAL COMPONENTS ARE ACCESSED FROM THE FRONT AND/OR REAR FOR THE VIDEO DISPLAY, FRONT FOR THE SCOREBOARD, FRONT FOR THE BACKLIT AD PANELS, AND REAR FOR THE SPEAKER CABINET.
- 3.3 LIFT POINTS ARE PROVIDED BY DAKTRONICS IN EACH SECTION (ALL REMOVABLE LIFT POINTS SHALL BE REMOVED AFTER THE INSTALLATION OF EACH SECTION).
- 3.4 WHEN LIFTING SECTIONS THE PREFERRED METHOD IS TO USE A SPREADER BEAM TO DISTRIBUTE WEIGHT AMONG ALL LIFT POINTS PROVIDED. FOR ALTERNATE METHOD OF RIGGING REFER TO INSTALLATION MANUAL.
- 3.5 DAKTRONICS LXV VIDEO DISPLAYS ARE SUPPLIED WITH T-CLIPS ATTACHED TO DISPLAY SECTIONS WITH 1/2" GRADE 5 HARDWARE AT ALL PREDETERMINED LOCATIONS.
- 3.7 DAKTRONICS SCOREBOARD DISPLAYS ARE SUPPLIED WITH ROCKER CLAMP MOUNTING HARDWARE THAT ATTACHES TO THE DISPLAY SECTIONS WITH 1/2" GRADE 5 HARDWARE AT ALL PREDETERMINED LOCATIONS.
- 3.8 DAKTRONICS ACCENT TRUSSES ARE SUPPLIED WITH CLIP ANGLES OR ROCKER CLAMPING HARDWARE THAT ATTACHES TO DISPLAY SECTIONS WITH 1/2" GRADE 5 HARDWARE AT PREDETERMINED LOCATIONS.
- 3.9 DEPTH OF CABINET MAY VARY DEPENDING ON DISPLAY TECHNOLOGY.

4.0 STRUCTURAL NOTES

- 4.1 COMPLY WITH THE PROVISIONS OF THE FOLLOWING LATEST EDITIONS BUT NOT LIMITED TO THESE ONLY:
 - ALL FEDERAL, STATE AND LOCAL LAWS THAT GOVERN SAFETY REQUIREMENTS FOR STEEL ERECTION.
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
 - AMERICAN WELDING SOCIETY (AWS) STANDARD CODE D1.1 "STRUCTURAL WELDING CODE"
 - AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM F3125 GR. A325 OR A490 BOLTS" APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.
 - ACI-318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY"
- 4.2 STRUCTURAL STEEL GRADE:
 - PLATE, ANGLE, AND CHANNEL SHALL BE ASTM A36 (Fy=36 ksi)
 - HOLLOW STRUCTURAL STEEL TUBE SHALL BE ASTM A500-C (Fy=50 ksi)
 - WIDE FLANGE AND WT SHALL BE ASTM A992-50 (Fy=50 ksi)
- 4.3 BOLTS AND NUTS
 - ALL BOLTS SHALL BE HEAVY HEX STRUCTURAL BOLTS ASTM F3125 GR. A325 TYPE 1 U.N.O.
 - ANCHOR BOLTS SHALL MEET ASTM F1554 GRADE 55
 - STRUCTURAL HEX NUTS SHALL BE MINIMUM ASTM A563-DH
 - STRUCTURAL WASHERS SHALL BE MINIMUM ASTM F436
 - GRADE 5 HARDWARE SHALL BE ACCEPTABLE WHERE SPECIFIED ON DRAWINGS
 - ALL HEAVY HEX STRUCTURAL BOLTS, ANCHOR RODS, NUTS & WASHERS SHALL BE GALVANIZED PER THE LATEST EDITION OF ONE OF THE FOLLOWING ASTM STANDARDS: ASTM A153 (CLASS C) OR ASTM B 695 (CLASS 50)
 - ALL BOLTS IN CONTACT WITH ALUMINUM SHALL BE ZINC PLATED GALVANIZED AND SHALL BE MINIMUM ASTM A325
 - ALL BOLTS SHALL BE FULLY PRETENSIONED PER APPROVED METHODS LISTED IN AISC STANDARDS U.N.O.
- 4.4 CONCRETE AND GROUT
 - CONCRETE SHALL BE PLACED TO ACI CODES AND STANDARDS OF PRACTICE. CONSTRUCTION JOINTS ARE NOT ALLOWED. INDIVIDUAL FOUNDATIONS SHALL BE POURED IN A CONTINUOUS POUR.
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 - ALLOWABLE VERTICAL SOIL BEARING PRESSURE = 1500 PSF
 - DESIGN WIND PRESSURE = 24.07 PSF (ASD)

INSTALLATION ADDRESS:

THREE RIVERS
HIGH SCHOOL

700 6th AVENUE
THREE RIVERS, MI 49093

CLIENT:



331 32nd AVENUE
BROOKINGS, SD 57006

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