May 19, 2026

BID ADDENDUM NO. 2
Tracy High School – Football Field Scoreboard – 2026
Tracy Unified School District

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1. CLARIFICATION ON DSA 140/ADDENDUM 1: For clarification the posted DSA 140 Form document is Addendum 1 (see attached)

2. BID SUMBISSION & OPENING CHANGE: Bid submission and opening is rescheduled from Thursday, May 21, 2026, 2:00 pm to Friday, May 22, 2026, 2:30 pm. Bid opening to take place immediately after submission deadline.

*** * * END OF ADDENDUM * * ***

DSA **140**

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval.This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☑ No ☐)

Deferred Submittal ☐	Addendum Number:	Revision Number:	CCD Number: 01	Category A ☑ or B ☐

2. PROJECT INFORMATION:

School District/Owner: Tracy Unified School District	DSA File Number: 39 H8
Project Name/School: Tracy High School football field Scoreboard	DSA Application Number 02 122844

3. APPLICANT INFORMATION:

Date Submitted: 12/09/25	Attached Pages? No ☐ Yes ☑ Number of pages? 24		
Firm Name: HMC Architects	Contact Name: Affifa Kadhim		
Work Email: affif.kadhim@hmcarchitects.com	Work Phone: (916) 340-7049		
Firm Address: 21010 Capitol Ave., Suite 100	City: Sacramento	State: CA	Zip Code: 95831

4. REASON FOR SUBMITTAL: (Check applicable boxes)

☑ For revision or addendum prior to construction. ☐ For a project currently under construction.

☐ For a project that has a form *DSA 301-N: Notification of Requirement for Certification*, *DSA 301-P: Posted Notification of Requirement for Certification* or a 90-Day Letter issued.

☐ To obtain DSA approval of an existing uncertified building or buildings.

☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge: Jeffery Grau

Professional License Number: C-14648 Discipline: Architecture

Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: _____

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX ☑ to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form *DSA 1: Application for Approval of Plans and Specifications* for this project. (For *Deferred Submittals*, refer to *IR A-18: Use of Construction Documents Prepared by Other Professionals,* and *IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents*, when applicable, for signature and seal requirements.)

Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

- (N) scoreboard to be installed at (N) location, (E) scoreboard to remain as is
- (N) scoreboard is a different model - Structural drawing and calcs have been updated to reflect the (N) model.
- Electrical sheets have been added to provide power and signal to the scoreboard at the (N) location.

List of DSA-approved drawings affected by this post-approval document:

G0.10, A1.10, A1.20 & S0.01. ADDED SHEETS E0.0, E0.1 & E1.0

DSA USE ONLY

SSS JN Date 02/05/2026 ☒ Approved ☐ Disapproved ☐ Not Required

Comments: Approved as corrected

FLS _____ Date _____ ☐ Approved ☐ Disapproved ☐ Not Required

Comments: _____

ACS _____ Date _____ ☐ Approved ☐ Disapproved ☐ Not Required

Comments: _____

Returned	DSA STAMP
Date:	APPROVED DIV. OF THE STATE ARCHITECT APP: 02-122844 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☐ DATE: 02/05/2026
By:	

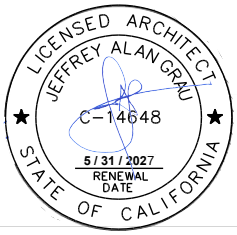
HMC DESIGN FOR GOOD Architects

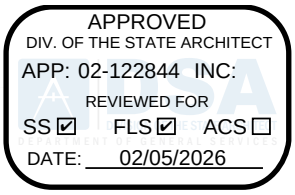
December 09, 2025

HMC Project No. 3595-003-000
DSA File and Application No. 02-122844
PTN # 75499-200

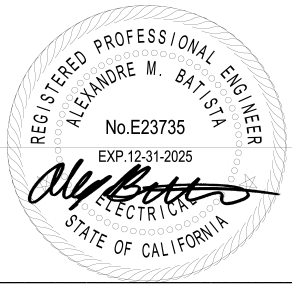
ADDENDUM NO.1

Tracy HS Football Field Scoreboard Replacement
Tracy, California





HMC Architects



Optimized Energy & Facilities Consulting, Inc.
Electrical Engineer

1. ALL WORKMANSHIP, MATERIALS, APPLIANCES AND EQUIPMENT which may be included in the following items shall be the same relative quantity as described for similar work set forth in the original or main specifications of which these Addendum items shall be considered a part.

2. ADDENDUM SECTIONS (included with this Addendum)

   NONE

3. ADDENDUM DRAWINGS (included with this Addendum)
   The following modify or supplement the issued bid documents.

AD1.00	REPLACE SHEET G0.10
AD1.01	REPLACE SHEET A1.10
AD1.02	REPLACE SHEET A1.20

AD1.03	REPLACE SHEET S0.01
AD1.04	ADD SHEET E0.0
AD1.05	ADD SHEET E0.1
AD1.06	ADD SHEET E1.0

4. PROJECT MANUAL

NONE

5. DRAWINGS

A. Sheet G0.10, Cover Sheet
   a. DELETE sheet in its entirety and REPLACE with Sheet AD1.00 included with this addendum.
B. Sheet A1.10, Project Site Plan
   a. DELETE sheet in its entirety and REPLACE with Sheet AD1.01 included with this addendum.
C. Sheet A1.20, Partial Site Plans – New & Demo
   a. DELETE sheet in its entirety and REPLACE with Sheet AD1.02 included with this addendum.
D. Sheet S0.01, Notes, Elevation & Section
   a. DELETE sheet in its entirety and REPLACE with Sheet AD1.03 included with this addendum.
E. Sheet E0.0, Electrical General Notes & One-Line Diagram
   a. Add Sheet AD1.04
F. Sheet E0.1, Electrical Schedules and Details
   a. Add Sheet AD1.05
G. Sheet E1.0, Electrical Site Plan
   a. Add Sheet AD1.06

6. ADDITIONAL INFORMATION:

A. Form DSA 103-22
   a. DELETE and REPLACE with form DSA 103-22 included with this addendum

* * * END OF ADDENDUM * * *

p:\sacramento\3595 tracy unified school district\003-000_tracy hs football scoreboard replacement\10 construction\03 bid\02 add\add 01\addendum 01.docx

THE LINE BROWN ABOVE IS 1" WHEN PLOTTED AT FULL SIZE
IF NOT 1" THIS SHEETS ORIGINAL PAGE SIZE

TRACY UNIFIED SCHOOL DISTRICT

TRACY HS FOOTBALL FIELD SCOREBOARD REPLACEMENT

315 E 11TH ST,
TRACY, CA 95376

SHEET INDEX

GENERAL SHEET		
G0.10	COVER SHEET	
ARCHITECTURE		
A1.10	PROJECT SITE PLAN	
A1.20	PARTIAL SITE PLANS - NEW & DEMO	
STRUCTURAL*		
S0.01	NOTES, ELEVATION & SECTION	
S4.11	DETAILS	
S4.12	DETAILS	
ELECTRICAL		
E0.0	ELECTRICAL GENERAL NOTES & ONE-LINE DIAGRAM	
E0.1	ELECTRICAL SCHEDULES AND DETAILS	
E1.0	ELECTRICAL SITE PLAN	
Grand total: 9		

PROJECT DATA

GENERAL DESCRIPTION OF WORK

REPLACING EXISTING SCOREBOARD ON FOOTBALL FIELD

EXEMPTIONS

NONE

GENERAL NOTES

1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT
2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.
3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.
4. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.
5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
6. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
7. DETAILS MARKED "TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
9. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS THAT CANNOT BE COORDINATED.
10. CONTRACTOR SHALL EXCERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
11. CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER.
12. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
13. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
14. THE LIMIT OF WORK LINE SHOWS THESE DRAWINGS IS AN APPROXIMATE LIMIT OF WORK ONLY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL WORK, INCLUDING BUT NOT LIMITED TO INSTALLATION OF CONDUIT, MANHOLES, PULLBOXES, ETC WHICH ARE TO BE PART OF THIS WORK, ALTHOUGH OCCURING OUTSIDE OF SHOWN LIMIT OF WORK LINES.
15. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
16. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR.
17. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. INSPECTOR TO BE CLASS 2 MINIMUM.
18. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. THE REPORTS SHALL BE SUBMITTED TO ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, OWNER, INSPECTOR OR RECORD, AND THE DSA FIELD ENGINEER. THE REPORTS OF ANY FAILURES OF TESTS AND INSPECTIONS ARE TO BE SUBMITTED TO DSA DISTRICT STRUCTURAL ENGINEER.
19. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
20. SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER 33 AND CBC CHAPTER 33.
21. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR., A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
22. CONTRACTOR IS TO REVIEW AND COMPLY WITH ALL REQUIREMENTS AND MITIGATION MEASURES SET FORTH IN BOTH THE ENVIRONMENTAL IMPACT REPORT (ADDENDUM TO THE ENVIRONMENTAL IMPACT REPORT | SCH NO. 2002071120) INCLUDING ATTACHED BIOLOGICAL RESOURCES TECHNICAL REPORT.
23. NO DUMPING OR PLACING OF ANY DIRT OR DEBRIS SHALL BE ALLOWED OUTSIDE OF THE CONTRACTORS LIMIT OF WORK AREA.

CODES

PARTIAL LIST OF APPLICABLE CODES

2022	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE VOLUMES 1 & 2 AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.	
2022	CALIFORNIA HISTORICAL BUILDING CODE (CHBC), PART 8, TITLE 24 C.C.R.	
2022	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R. (2021 INTERNATIONAL EXISTING CODE AND 2022 CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.	
2022	CALIFORNIA REFERENCED STANDARDS, PART 12,TITLE 24 C.C.R.	
TITLE 19	C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.	
2019	ASME A17.1/B44-19 SAFETY CODE FOR ELEVATORS AND ESCALATORS	
2020	ASME 18.1 - SAFETY STANDARD FOR PLATFORM LIFTS AND STAIRWAY CHAIR LIFTS	

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)	2022 ED.
NFPA 14	STANDARD FOR STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2019 ED.
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 ED.
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2021 ED.
NFPA 20	STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTION	2019 ED.
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2018 ED.
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2019 ED.
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2022 ED.
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 ED.
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 ED.
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2014)
UL 464	AUDIBLE SIGNAL APPLIANCES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 ED.
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 ED. (R2005)
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 ED. (R2018)
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING AND GRANDSTANDS	2017 ED.

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.
SEE CALIFORNIA BUILDING CODE, CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

SYMBOL LEGEND

- NORTH ARROW — TICK INDICATES PLAN NORTH; ARROW INDICATES TRUE NORTH
- ELEVATION CALLOUT (TYPICAL FOR EXTERIOR) — LOCATION ON SHEET; SHEET WHERE ELEVATION IS DRAWN
- ELEVATION CALLOUT (TYPICAL FOR INTERIOR) — LOCATION ON SHEET; SHEET WHERE ELEVATION IS DRAWN
- ELEVATION CALLOUT - ALT. (FOR EXTERIOR AND INTERIOR) — LOCATION & SHEET WHERE ELEVATION IS DRAWN
- SECTION CALLOUT — INDICATES A SIMILAR CONDITION; LOCATION ON SHEET; SHEET WHERE SECTION IS DRAWN
- DETAIL CALLOUT — INDICATES A SIMILAR CONDITION; LOCATION ON SHEET; SHEET WHERE SECTION IS DRAWN
- CONTROL OR DATUM POINT — NAME OF ELEVATION (IF APPLICABLE); ELEVATION ABOVE FINISHED FLOOR
- GRID BUBBLE — EXISTING BUILDING GRID SYMBOL; GRID NUMBER; NEW BUILDING GRID SYMBOL
- DOOR CALLOUT — DOOR NUMBER
- INTERIOR FINISH CALLOUT — MATERIAL FINISH TYPE (SEE FINISH SCHEDULE)
- WINDOW CALLOUT — WINDOW NUMBER (SEE WINDOW SCHEDULE)
- WALL TYPE CALLOUT — WALL TYPE MARK - SEE A10.11; WALL STC RATING; WALL FIRE RATING TYPE
- MATCHLINE REFERENCE — LOCATION ON SHEET; SHEET WHERE PLAN IS DRAWN
- KEYNOTE — KEYNOTE NUMBER (SEE LEGEND ON SHEET)
- ROOM EXITING INFORMATION — AREA (SQ FT); OCCUPANT LOAD (AREA DIVIDED BY LOAD FACTOR); OCCUPANT LOAD FACTOR (REFER TO TABLE 1004.5); OCCUPANCY TYPE; NUMBER OF EXITS REQUIRED (REFER TO TABLE 1006.2.1)
- WIC CASEWORK TAG — MANUFACTURER REFERENCE AND MODEL NUMBER; LOCK; CABINET DEPTH; CABINET HEIGHT; CABINET WIDTH

SHEET NUMBER SYSTEM

DISCIPLINE		SHEET TYPE		BUILDING LETTER, SEGMENT, (USER DEFINED)
G	GENERAL	0	CODE ANALYSIS, NOTES	USED ONLY IF REQUIRED IF NOT COLUMN IS OMITTED
C	CIVIL	1	SITE PLAN	
L	LANDSCAPE	2	FLOOR PLAN	
A	ARCHITECTURE	3	CEILING PLAN	
I	INTERIORS	4	ROOF PLAN	
Q	EQUIPMENT	5	EXTERIOR ELEVATIONS	
S	STRUCTURAL	6	SECTIONS	
P	PLUMBING	7	ENLARGED PLANS	
M	MECHANICAL	8	INTERIOR ELEVATIONS	
E	ELECTRICAL	9	SCHEDULES	
FA	FIRE ALARM	10	DETAILS	
T	TELECOM			
AV	AV EQUIPMENT			
K	KITCHEN			
FP	FIRE PROTECTION			

SERIES ORDER · SHEET TYPE · DISCIPLINE · SEGMENT (IF APPLICABLE) · BUILDING LETTER (IF APPLICABLE) · FLOOR LEVEL OR SEQUENTIAL ORDER · USER DEFINED (IF APPLICABLE)

A A 1.1 1 A.A

ABBREVIATIONS

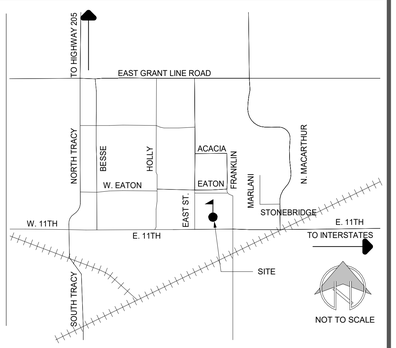
(E)	EXISTING
AB	ANCHOR BOLT
AC PAVING	ASPHALTIC CONCRETE PAVING
ACC	ACCESS/ACCESSIBLE
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT/ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ARCH	ARCHITECTURAL
ATT	ATTENUATION
AUTO	AUTOMATIC
BD	BOARD
BLCG	BLOCKING
BUR	BUILT UP ROOFING
CABT	CABINET
CF	CUBIC FEET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLF	CHAIN LINK FENCE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPRESSION / COMPOSITE
CF	CUBIC FEET
COORD	COORDINATE
CORR	CORRUGATED
CT	CERAMIC TILE
CTSK	COUNTER SKUNK
CW	CURTAINWALL
DEPR	DEPRESSED / DEPRESSION
DF	DRINKING FOUNTAIN
DIM	DIMENSION
DISP	DISPENSER
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
E/W	EACH WAY
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION / ELEVATOR
ENCL	ENCLOSE / ENCLOSURE
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EQ	EQUAL
ESC	EXCUTCHEON
EWC	ELECTRIC WATER COOLER
EXP	EXPOSED
FA	FIRE ALARM
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER W/ CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FSH	FLAT HEAD SCREW
FIN	FINISH
FLR	FLOOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPROOFING
FR	FIRE RATED
FRG	FIRE RATED GLASS
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FS	FINISH SURFACE
FTG	FOOTING
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS TYPE
GLB	GLUE LAMINATED BEAM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTIC
HB	HOSE BIBB
HD	HEAVY DUTY
HDR	HEADER
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HP	HIGH POINT
HSS	HOLLOW STEEL SECTION
ID	INSIDE DIAMTER
INT	INTERIOR
INV	INVERT
LANDS	LANDSCAPE
LAV	LAVATORY
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT WT	LIGHT WEIGHT
LVR	LOUVER
MACH	MACHINE
MB	MACHINE BOLT
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
NIC	NOT IN CONTRACT
NR	NON RATED
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O/	OVER
O/A	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFVI	OWNER FURNISHED, VENDOR INSTALLED
OH	OPPOSITE HAND
OPER	OPERABLE
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN
P/L	PROPERTY LINE
PA	PUBLIC ADDRESS
PAF	POWDER ACTUATED FASTENER
PCC	PORTLAND CEMENT CONCRETE PAVING
PED	PEDESTRIAN
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PH	PANIC HARDWARE
PIV	POST INDICATOR VALVE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLUMB	PLUMBING
PNL	PANEL
PNT	PAINT / PAINTED
POC	POINT OF CONNECTION
POLY ISO	POLYISOCYANURATE
PREFIN	PREFINISHED
PREP	PREP / PREPARATION
PTC	POST TENSIONED CONCRETE
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION / SYSTEM
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RECEPT	ECEPTACLE
REF	REFERENCE
REFL	REFLECT(ED), (IVE)
REFL	REFLECT(ED), (IVE)
REFR	REFRIGERATOR
REINF	REINFORCE/REINFORCED/ REINFORCEMENT
REM	REMOVE
RH	ROUND HEAD
RHS	ROUND HEAD SCREW
RO	ROUGH OPENING
ROW	RIGHT OF WAY
SCH	SCHEDULE (FOR PIPE)
SCHED	SCHEDULE / SCHEDULING
SD	STORM DRAIN / SOAP DISPENSER
SECT	SECTION
SG	SAFETY GLASS
SHT	SHEET
SHTG	SHEATHING
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPOSAL
SOV	SHUT OFF VALVE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STC	SOUND TRAMISSION CLASS
STL	STEEL
STSMS	SELF TAPPING SHEET METAL SCREW
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
TO	TOP OF
TOC	TOP OF CURB / CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TS	TACKABLE SURFACE
U/C	UNDER CABINET (OR COUNTER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VAC	VACUUM
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WGT	WEIGHT
WH	WATER HEATER
WP	WATERPROOFING/WALL PROTECTION
WR	WATER RESISTANT
WRGB	WATER RESISTANT GYPSUM BOARD
WS	WOOD SCREW
WSCT	WAINSCOT
WWF	WELDED WIRE FABRIC

NOTE:
OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR NECESSARY CLARIFICATION.

STATE MAP



VICINITY MAP



STATEMENT OF GENERAL CONFORMANCE

(X) THE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET WITH AN (*)
( ) THIS DRAWING PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344* OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 (B))

I CERTIFY THAT:

ALL DRAWINGS OR SHEETS LISTED ON THE SHEET INDEX WITH AN (*) IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN AND HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE — DATE: 12/03/2024
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE
JEFFREY GRAU
PRINT NAME

LICENSE NUMBER C-14648 EXPIRATION DATE

AGENCY APPROVAL:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-122844 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 02/05/2026

HMC Architects
3595-003-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT JEFFREY ALAN GRAU C-14648 5/31/2027 RENEWAL DATE STATE OF CALIFORNIA

PROJECT TEAM

OWNER
TRACY UNIFIED SCHOOL DISTRICT
18875 W LOWELL AVENUE TRACY, CA 95376
(209) 830-3200

ARCHITECT
HMC ARCHITECTS
2101 CAPITOL AVENUE, STE 100, SACRAMENTO, CA 95816
(916) 368-7990

STRUCTURAL ENGINEER
RW CONSULTING ENGINEERS INC.
1450 HARBOR BLVD, STE F, WEST SACRAMENTO, CA 95691
(916) 229-8345

FACILITY:
TRACY HIGH SCHOOL
315 E 11TH ST,
TRACY, CA 95376

PROJECT:
TRACY HS FOOTBALL FIELD SCOREBOARD REPLACEMENT

SHEET NAME:
COVER SHEET

DSA SUBMITTAL

DATE: **10/10/2024** CLIENT PROJ NO: **39-H8**

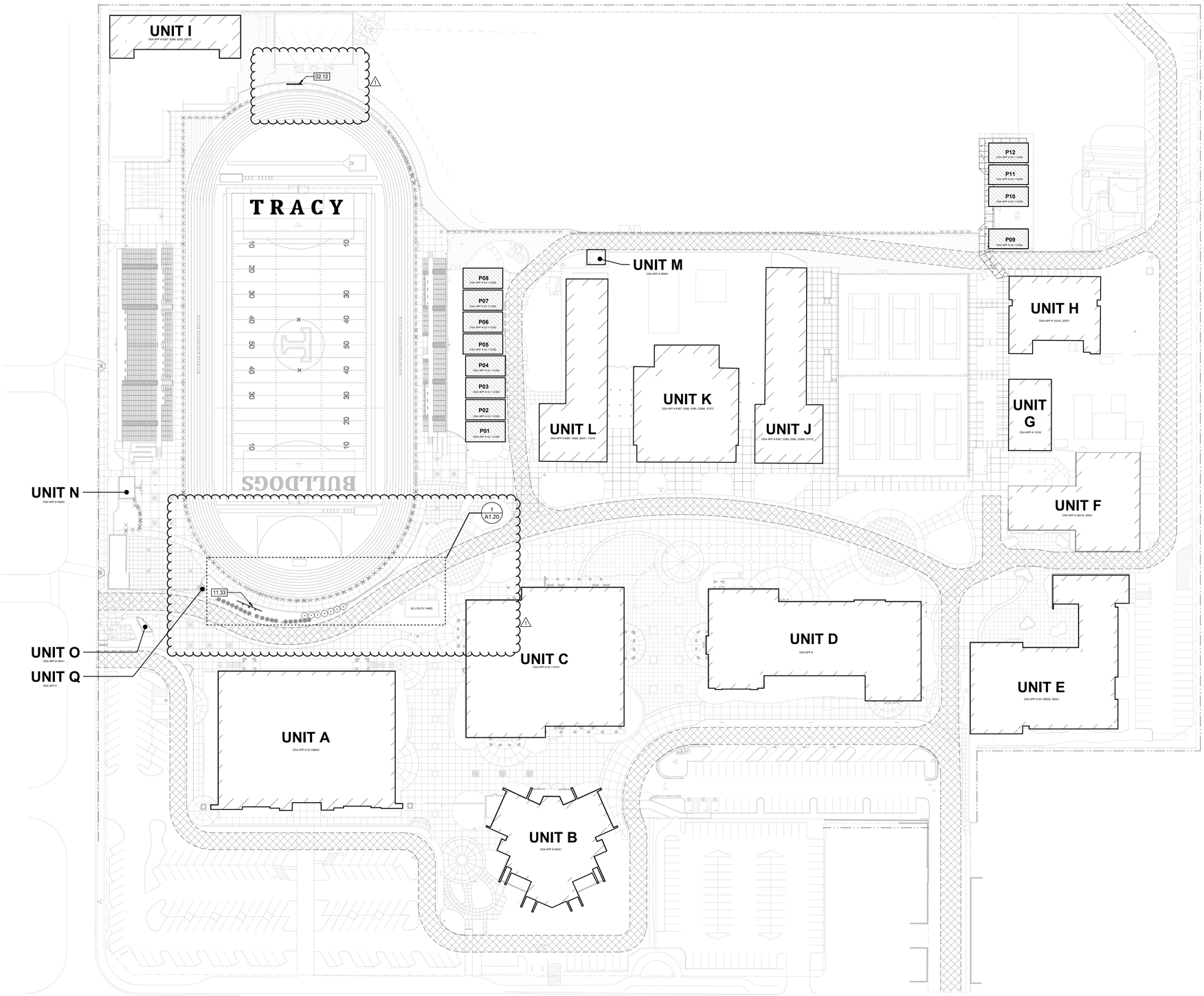
SHEET:

G0.10

PLEASE RECYCLE

Autodesk Docs://3595003000 TUSD TRACY HS FOOTBALL FIELD SCOREBOARD R22/3595003000-A-TUSD-SCORE BOARD.rvt
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THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SHEETS ORIGINAL PAGE SIZE



TN

PROJECT SITE PLAN 1
1" = 50'-0"

PLEASE RECYCLE

AGENCY APPROVAL:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-122844 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 02/05/2026

AGENCIES HERE

TRACY UNIFIED SCHOOL DISTRICT

HMC Architects
3595-003-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
JEFFREY ALAN GRAU
C - 14648
5 / 31 / 2027
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM 01	12/09/25

LEGEND

- APPROXIMATE LIMIT OF WORK. REFER TO ADDITIONAL DRAWINGS FOR WORK WHICH MAY EXTEND BEYOND THIS APPROXIMATE LIMIT OF WORK LINE.
- PROPERTY LINE
- FIRE LANE
- EXISTING BUILDINGS

KEYNOTES

02.12 (E) SCORE BOARD TO REMAIN
11.33 NEW SCOREBOARD | 3/A1.20; SEE STRUCTURAL
1

NOTES

1. REFER TO SHEET G0.10 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF ALL HARDSCAPE/PLANTING OUTSIDE OF LIMIT OFWORK LINE FOR CONNECTION OF UNDERGROUND UTILITIES

FACILITY:
TRACY HIGH SCHOOL
315 E 11TH ST,
TRACY, CA 95376

PROJECT:
TRACY HS FOOTBALL FIELD SCOREBOARD REPLACEMENT

SHEET NAME:
PROJECT SITE PLAN

DSA SUBMITTAL

DATE: **10/10/2024** | CLIENT PROJ NO: **39-H8**

SHEET:

A1.10
AD1.01

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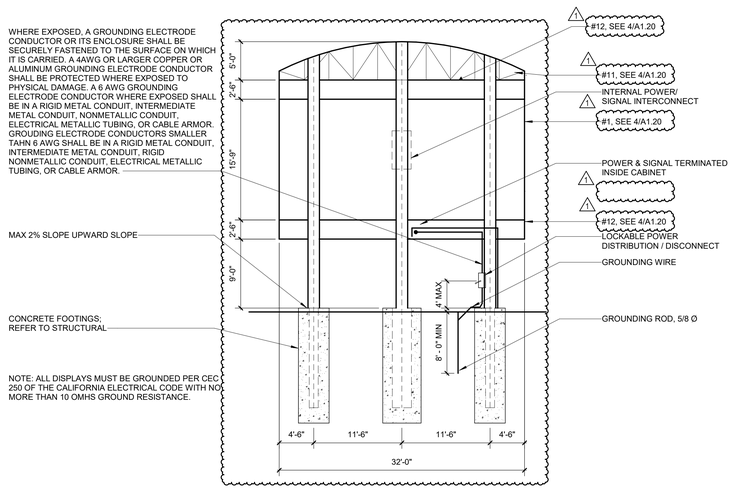
THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED ON THIS SHEET'S ORIGINAL PAGE SIZE

PRODUCT INFO. SHEET:
DAKTRONICS LIVE VIDEO DISPLAY

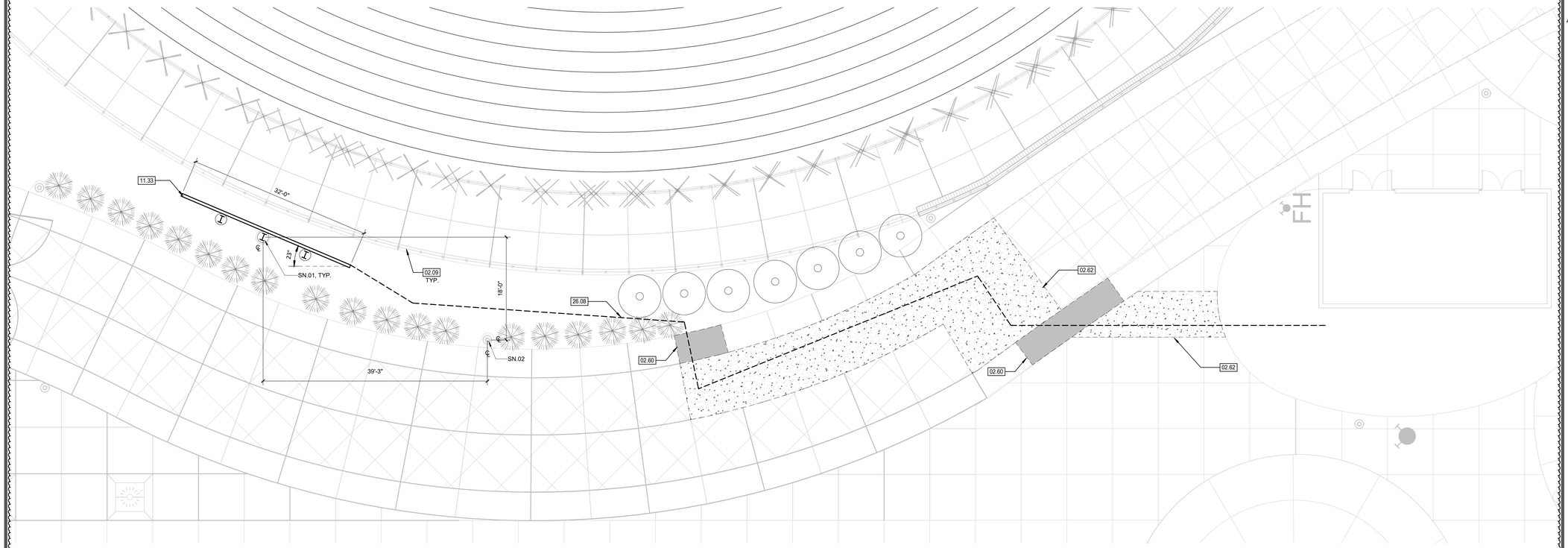
MODEL		DESCRIPTION	
1.	LVX-3000-480X840-10SMD-AP-32.0, 15.8'x2.2' AD PANELS	MATRIX: LINE SPACING: LED COLOR: CABINET DIMENSIONS: MAX POWER: WEIGHT:	480 LINES BY 840 COLUMNS 10 mm RGB - 281 TRILLION COLORS 15' 9" H X 32' 0" W X 0' 11" D (APPROX) 26910 WATTS/DISPLAY UNPACKAGED 4875 LBS PER DISPLAY; PACKAGED 6395 LBS PER DISPLAY
2.	CONTROL -1 VIDEO INPUT 1080P (PRIMARY/BACKUP PLAYER & PROCESSOR) w/LAPTOP	STANDARD DEFINITION OR HIGH DEFINITION (1080p); 1 VIDEO INPUT FOR ALL SPORT PRO	
3.	OUTDOOR SCORBOARD RADIO COMMUNICATION (TRANSMITTER)	FREQUENCY OF 2.4 GHz	
4.	ALL SPORT PRO KIT	HARDWARE AND SOFTWARE BUNDLE TO CONTROL VIDEO/ SCORING INFORMATION w/TABLET	
5.	ALL SPORT PRO WIRELESS ACCESS POINT	TP-LINK WIRELESS ACCESS POINT	
6.	W-1489	FIBER OPTIC CABLE; 50um MULTIMODE; 6 FIBER WITH NON TERMINATED ENDS	
9.	OUTDOOR SCOREBOARD RADIO COMMUNICATION TRANSMITTER	FREQUENCY OF 2.4GHz	
10.	STAND-ALONE 120 VAC TRUMPET HORN	FOR OUTDOOR SCOREBOARDS	
11.	DA-1001-32 WITH NON-BACKLIT LETTERING AND SCREEN BACKING	ARCH TRUSS; ALUM, 5' TALL X 32' LONG W 50% NON-BACKLIT LETTERING/LOGO & SCREEN BACKING. CABINET DIMENSIONS:	5' 0" H X 32' 0" W X 0' 3" D (APPROX) UNPACKAGED 465 LBS PER DISPLAY PACKAGED 1130 LBS PER DISPLAY
12.	OUTDOOR NON-BACKLIT 2'6" X 32' 0" HORIZONTAL	AD PANEL, ABOVE OR BELOW DISPLAY CABINET DIMENSIONS: WEIGHT:	2' 6" H X 32' 0" W X 0' 8" D PACKAGED 256 LBS PER DISPLAY (QTY: 2, ONE ABOVE AND ONE BELOW)
13.	WARRANTY & SERVICES	1 YEAR ON-SITE LABOR INCLUDES CUSTOMER CARE LEVEL 1,	
	G5C5-W - FIVE (5) YEAR PARTS ONLY - INCLUDES CUSTOMER CARE LEVEL 3		
	STANDAARD VIDEO WITH SCS ONE-ON-ONE WEBINAR TRAINING		
	CUSTOM RTD FRAMES -- SINGLE LOGO BACKGROUND	CUSTOM LOGO RTD FRAMES. 1-3 RTD FRAMES	
	TEAM SPIRIT VOL. 1 ANIMATIONS STARTER PACKAGE	PERSONALIZED PACKAGE - YOUR SCHOOL COLORS, MASCOT/LOGO - 20 PRE-SELECTED POPULAR/ ESSENTIAL ANIMATION INCLUDED	

DAKTRONICS PRODUCT INFO. SHEET 4 — 1/4" = 1'-0"

REAR VIEW



GROUNDING DETAIL 3 — 1/8" = 1'-0"



PARTIAL SITE PLAN - NEW 1 — 1/8" = 1'-0"

PLEASE RECYCLE

Autodesk Docs://3595003000 TUSD TRACY HS FOOTBALL FIELD SCOREBOARD R22/3595003000-A-TUSD-SCORE BOARD.rvt
1/30/2025 2:49:37 PM

AGENCY APPROVAL:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-122844 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 02/05/2026

AGENCIES HERE

TRACY UNIFIED SCHOOL DISTRICT

HMC Architects
3595-003-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT — JEFFREY ALAN GRAU — C-14648 — 5/31/2027 RENEWAL DATE — STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM 01	12/09/25

GENERAL NOTES

CONTRACTOR RESPONSIBLE FOR CONDUCTING RADAR UTITLITY UNDERGROUND INVESTIGATION PRIOR TO CONSTRCUTION. THIS INCLUDES IDENTIFYING AND MAPPING UNDERGROUND UTILITIES TO ENSURE SAFE AND ACCURATE EXCAVATION AND CONSTRUCTION PLANNING

SHEET NOTES

SN.01 NEW PIERS FOR SCOREBOARD, SEE STRUCTURAL
SN.02 EXISTING SITE LIGHT POLE

KEYNOTES

02.09 (E) CHAIN LINK FENCING TO REMAIN; PROTECT IN PLACE

02.60 PROTECT PORTION OF COLORED CONCRETE AND SLEEVE ELECTRICAL WORK UNDERNEATH.

02.62 REMOVE (E) FULL CONCRETE PANELS FOR ELECTRICAL WORK. REPLACE TO MATCH (E) PAVING (6" PCC O/ 6" AB W/#4 BARS @ 18" O.C.) NEW CONCRETE TO MEET FLUSH WITH (E) PAVING. CROSS SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION ALONG THE PATH OF TRAVEL.

11.33 NEW SCOREBOARD | 3/A1.20; SEE STRUCTURAL

26.08 COORDINATE CONDUIT PATH TO ENSURE THAT THE TREE ROOTS ARE NOT DAMAGED - REMOVE SHRUBS AS NEEDED

NOTES

1. REFER TO STRUCTURAL FOR SCOREBOARD SUPPORT & FOOTING DETAILS

FACILITY:
TRACY HIGH SCHOOL
315 E 11TH ST,
TRACY, CA 95376

PROJECT:
TRACY HS FOOTBALL FIELD SCOREBOARD REPLACEMENT

SHEET NAME:
PARTIAL SITE PLANS - NEW & DEMO

DSA SUBMITTAL

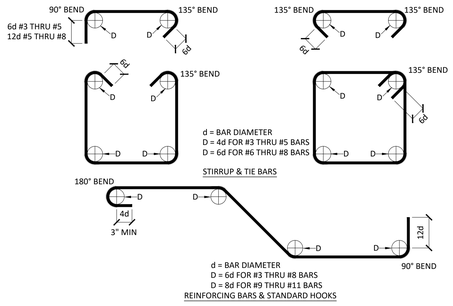
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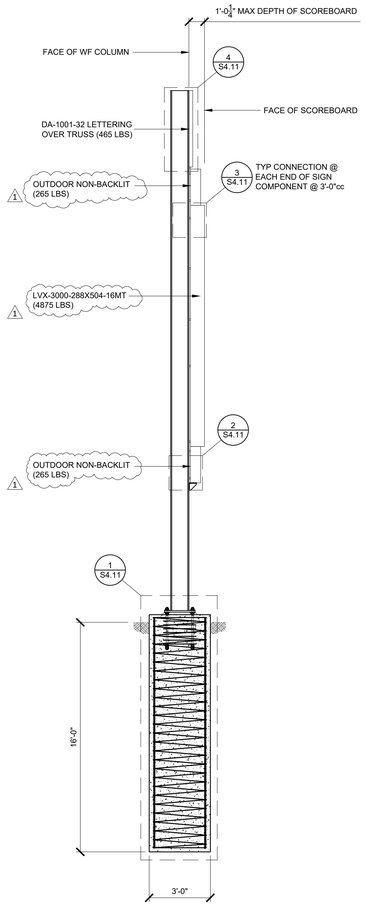
A1.20

AD1.02

THE LINE BROWN ABOVE IS EXACTLY 1" WHEN PLOTTED AT THIS SHEET'S ORIGINAL IMAGE SIZE

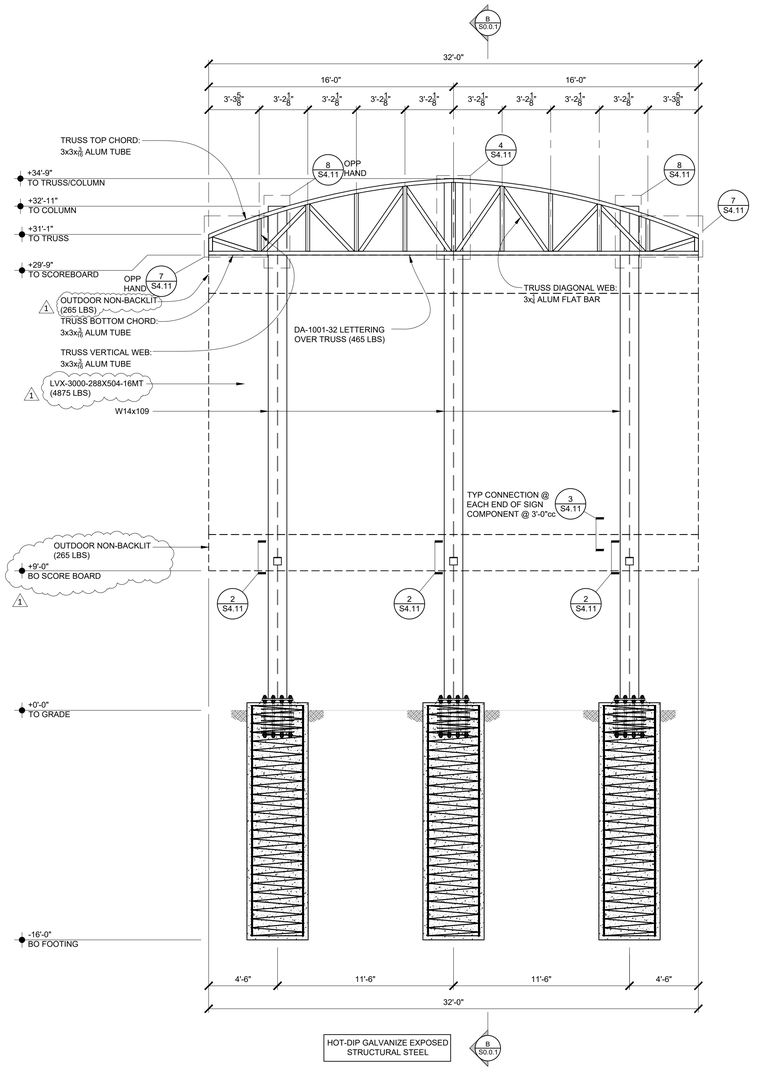


STANDARD REBAR BENDS 1



SECTION VIEW B

¼" = 1'-0"



ELEVATION VIEW A

¼" = 1'-0"

STRUCTURAL STEEL NOTES:

1. THE FABRICATION AND ERECTION OF ALL STEEL CONSTRUCTION SHALL CONFORM TO THE 2022 CBC AND THE AISC STEEL CONSTRUCTION MANUAL 16th EDITION.
2. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING
   - 2.1 WIDE FLANGE SHAPES ASTM A992, Fy = 50 KSI
   - 2.2 BARS AND PLATES-ASTM A572, Fy = 50 KSI
   - 2.3 ANGLES ASTM A36, Fy = 36 KSI
3. WELDING SHALL BE BY THE ELECTRIC ARC PROCESS (SHIELDED METAL ARC WELDING, FLUX CORE ARC WELDING, GAS METAL ARC WELDING) PER AWS STANDARDS AND BY CERTIFIED WELDERS. REFER TO "QUALIFICATION PROCEDURE" AWS D1.1.
4. ALL WELDED JOINTS AND ELECTRODES ARE TO BE "PREQUALIFIED." ALL WELDING ELECTRODES ARE TO BE E70XX UNO. FCAW FILLER METAL WIRE SHALL BE $\frac{0}{64}$" MAX DIAMETER AND SMAW FILLER METAL WIRE SHALL BE $\frac{5}{32}$" MAX DIAMETER.
5. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUM AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AS REQUIRED TO MAINTAIN STABILITY OF THE STRUCTURE UNTIL THE STRUCTURAL SYSTEM IS SUBSTANTIALLY COMPLETE.
6. ALL STRUCTURAL STEEL ITEMS EMBEDDED IN CONCRETE AND LOCATED BELOW GRADE SHALL HAVE 3" MINIMUM COVER. ALL STRUCTURAL STEEL ITEMS EMBEDDED IN CONCRETE AND LOCATED ABOVE GRADE AT CONCRETE EXPOSED TO WEATHER SHALL HAVE 1½" MINIMUM COVER.
7. ALL STEEL BOLTS ARE TO HAVE STANDARD GAGE AND PITCH PER AISC. ALL EMBEDDED ANCHOR BOLTS SHALL BE F1554 GRADE 105 UNO. HOLES AT STEEL-TO-STEEL CONNECTIONS ARE TO BE $\frac{1}{16}$" OVERSIZE AND HOLES AT STEEL COLUMN BASE PLATES ARE TO BE ¼" OVERSIZE, UNO.
8. STRUCTURAL STEEL IS TO BE SHOP PRIMED WITH ONE COAT, EXCEPT THE BELOW NOTED LOCATIONS, WHERE PRIMER SHALL BE HELD 2" CLEAR:
   - 8.1 STEEL SURFACES EMBEDDED IN CONCRETE
   - 8.2 SURFACES TO BE FIELD WELDED
   - 8.3 SURFACES TO BE FIREPROOFED
   - 8.4 SURFACES IN CONTACT WITH HIGH STRENGTH BOLTING
9. GALVANIZE EXPOSED EXTERIOR STRUCTURAL STEEL MEMBERS WHERE INDICATED TO MINIMUM COATING GRADE 80 (1.9 OZ/SQ.FT) IN ACCORDANCE WITH ASTM A123. STAINLESS STEEL FASTENERS DO NOT NEED TO GALVANIZED

ALUMINUM NOTES:

1. ALL ALUMINUM MEMBERS SHALL BE GRADE 6061-T6
2. CORROSION RESISTANT MATERIAL SHALL BE PROVIDED BETWEEN FERROUS METAL (STEEL) AND NON-FERROUS METAL (ALUMINUM)
3. WELD ALUMINUM PER WELDING CODE AWS D1.2

FOUNDATION NOTES:

1. FOUNDATIONS ARE DESIGNED ACCORDING TO THE 2022 CBC - SEE 'DESIGN CRITERIA' ITEM 4 FOR FURTHER INFORMATION.
2. FOOTINGS SHALL BEAR ON FIRM, DRY, COMPACTED. FOOTING DEPTHS INDICATED ARE MINIMUMS.
3. FOOTINGS MAY BE OVER-EXCAVATED AT CONTRACTOR'S OPTION FOR PLACEMENT OF LEAN MIX CONCRETE TO FACILITATE THE REMOVAL OF DEBRIS AND STANDING WATER.
4. ALL FOOTINGS NOT FORMED SHALL BE POURED IN NEAT EXCAVATIONS. BOTTOMS OF EXCAVATIONS SHALL BE LEVEL, WITH CHANGES IN ELEVATION ONLY AS NOTED IN THESE DRAWINGS.
5. SEOR SHALL BE NOTIFIED IMMEDIATELY WHERE JOB SITE CONDITIONS ARE DIFFERENT THAN THOSE SHOWN ON CONTRACT DRAWINGS.

CONCRETE NOTES:

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE 2022 CBC AND ACI 318-19.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT PER ACI 301 AND HAVE PROPORTIONS OF CEMENT, COARSE AND FINE AGGREGATE, WATER AND ADMIXTURES TO PRODUCE THE PROPERTIES SPECIFIED FOR EACH CONCRETE MIX TYPE PER ACI 301 ON THE BASIS OF PREVIOUS FIELD EXPERIENCE AND SUPPORTED BY PREVIOUS TEST RECORDS.
2. STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

   FOR USE AT FOUNDATIONS 28-DAY STRENGTH,
   F'C = 4,000 PSI MAX AGGREGATE SIZE = 3/4" MAX
   WATER TO CEMENT RATIO = 0.55
   SLUMP = 4" ± 1"

3. CONSTITUENTS OF STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:
   - 3.1 PORTLAND CEMENT PER ASTM C-150 TYPE I OR II
   - 3.2 COARSE AND FINE AGGREGATES PER ASTM C-33
   - 3.3 REINFORCING PER ASTM A615 GRADE 60, UNO
   - 3.4 FLY ASH PER ASTM C-618 CLASS N OR F
   - 3.5 ADMIXTURES PER PROJECT SPECIFICATIONS
4. ALL DEBRIS SHALL BE REMOVED FROM FORMS AND FOOTING EXCAVATIONS PRIOR TO POURING CONCRETE. NO WOOD STAKES OR FORM SPREADERS SHALL BE PERMITTED IN CONCRETE.
5. ALL REINFORCEMENT, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SECURED IN POSITION SHOWN ON DRAWINGS PRIOR TO PLACING CONCRETE.
6. FREE-FALL OF CONCRETE SHALL BE LIMITED TO 4'-0" MAX. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL SO AS TO CAUSE SEPARATION OF AGGREGATES.
7. CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION PER ACI 309 BY MEANS SUITABLE FOR ON SITE CONDITIONS. USE HAND RODDING OR TAMPING AS REQUIRED.
8. CONSTRUCTION JOINTS SHALL HAVE ALL LOOSE MATERIAL REMOVED AND SHALL BE INTENTIONALLY ROUGHENED TO ¼" AMPLITUDE PRIOR TO POURING CONCRETE. CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LOCATIONS TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
9. ALL FORMWORK TO REMAIN IN PLACE FOR DURATION AS REQUIRED BY LATEST EDITION OF ACI 318.
10. REFER TO ACI RECOMMENDATIONS FOR PLACING AND CURING CONCRETE IN COLD AND HOT WEATHER CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONCRETE MIX DESIGN WITH BATCH PLANT TO PROVIDE CONCRETE MIX APPROPRIATE FOR SITE CONDITIONS
11. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND IMPLEMENTING APPROPRIATE CURING PROCEDURES FOR ACTUAL SITE/WEATHER CONDITIONS AND SHALL INCLUDE PROVISIONS FOR INCLEMENT WEATHER. REFER TO ACI 308R.

STEEL REINFORCING NOTES:

1. ALL CONCRETE REINFORCING SHALL CONFORM TO THE 2022 CBC AND BE DETAILED, FABRICATED, AND PLACED PER ACI 318-19, AND PER THE LATEST EDITION OF ACI 315.
2. REINFORCEMENT SHALL BE DEFORMED BILLET STEEL PER ASTM A-615, GRADE 60. ALL REINFORCEMENT TO BE WELDED SHALL BE ASTM A-706, GRADE 60 (SEE NOTE 10 BELOW).
3. ALL BENDING OF REINFORCEMENT PER ACI. FIELD BENDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
4. REINFORCEMENT IN SLABS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS PROVIDED.
5. REINFORCING SHALL BE PLACED WITH THE FOLLOWING MINIMUM CLEAR COVERAGE, UNO:
   - 7.1 POURED AGAINST EXCAVATIONS/GROUND = 3"
   - 7.2 POURED AGAINST FORMS, EXPOSED TO SOIL = 2"
   - 7.3 CONCRETE EXPOSED TO WEATHER = 1½"
6. REINFORCING SHALL BE TIED IN PLACE. TACK WELDING OF REINFORCING IS NOT PERMITTED.
7. WHERE REINFORCING IS NOT SPECIFIED, REFER TO ACI 318 FOR MINIMUM REINFORCEMENT.
8. WELDING OF REINFORCING IS NOT PERMITTED UNLESS SHOWN ON THESE DRAWINGS OR WITH PRIOR WRITTEN APPROVAL FROM THE SEOR.

STRUCTURAL SHEET INDEX:

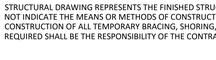
S0.01 NOTES, ELEVATION & SECTION
S4.11 DETAILS
S4.12 DETAILS

ABBREVIATIONS:

@	AT
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ALUM	ALUMINUM
APA	AMERICAN PLYWOOD ASSOCIATION
ARCH	ARCHITECT/ARCHITECTURAL
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B.O.	BOTTOM OF
CBC	CALIFORNIA BUILDING CODE
CFS	COLD-FORMED STEEL
CMU	CONCRETE MASONRY UNIT
Ø	DIAMETER
DWGS	DRAWINGS
DSA	DIVISION OF THE STATE ARCHITECT
ES	EDGE SCREW w/SPACING PER SHEAR WALL DIAGRAMS
F.O.	FACE OF
HD	HOLDOWN
HSS	HOLLOW STRUCTURAL SECTION
L	STEEL ANGLE
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MIN	MINIMUM
NTS	NOT TO SCALE
#	NUMBER OR POUNDS
oc	ON CENTER
OH	OPPOSITE HAND
PAF	POWDER-ACTUATED FASTENER
PJ	PANEL JOINT
PL	PLATE
SEOR	STRUCTURAL ENGINEER OF RECORD
SMS	SHEET METAL SCREW
T & B	TOP AND BOTTOM
THRU	THROUGH
T.O.	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
W	WIDE FLANGE
w/	WITH

DRAWING STANDARDS:

SYMBOLS



DESIGN CRITERIA:

1. PROJECT ADDRESS: 315 EAST 11th STREET, TRACY, CA 95376
2. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE
3. LATERAL LOADS: RISK CATEGORY II

   WIND LOADS (ASCE 7-16)
   BASIC WIND SPEED 93 MPH (72 MPH ASD)
   EXPOSURE C

   PRESSURE COEFFICIENTS
   TOPOGRAPHIC FACTOR, K_{zt} = 1.00
   WIND DIRECTIONALITY FACTOR, K_d = 0.85

   VELOCITY PRESSURES
   q (30'-40') = 11.7 PSF (ASD)

   SEISMIC LOADS (ASCE 7-16)
   SITE CLASS D
   SEISMIC DESIGN CATEGORY D
   IMPORTANCE FACTOR 1.00

   S_s = 1.115 S_1 = 0.391
   F_v = 1.200 F_v = NA
   S_{ms} = 1.338 S_{m1} = NA
   S_{ds} = 0.892 S_{d1} = NA

   LATERAL SYSTEM: GROUND-SUPPORTED CANTILEVER WALL (ASCE 7-16 TABLE 15.4-2).

   R = 3.00 $C_s = \frac{S_{DS}}{(R / I)}$
   Ω_0 = 1.75 = 0.297
   C_s = 3.00 V(ASD) = 0.7 x C_s x W
   = 0.208 x W
4. SOILS CRITERIA:
   FOUNDATIONS ARE DESIGNED IN ACCORDANCE W/ THE CODE MINIMUM AS PRESENTED BY 1806.2.

   ALLOWABLE BEARING PRESSURE (D+L) = 1,500 PSF
   LATERAL BEARING PRESSURE (PSF/FT) = 200 PSF

GENERAL NOTES:

1. ALL NEW WORK SHALL CONFORM TO TITLE 24 2022 EDITIONS WITH AMENDMENTS AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
2. THIS STRUCTURAL DRAWING IS APPLICABLE ONLY TO THE LISTED PROJECT AND SITE LOCATION. NOTES ON THIS SHEET ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, EXISTING CONDITIONS, AND OTHER RELATED ITEMS. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CONFLICTS ARE SHOWN OR NOTED.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO RELEVANT SECTIONS OF THE CALIFORNIA "CONSTRUCTION SAFETY ORDERS" AND ALL OSHA REQUIREMENTS. THE ENGINEER OF RECORD ACCEPTS NO RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY W/ THESE REQUIREMENTS.
5. STRUCTURAL DRAWING REPRESENTS THE FINISHED STRUCTURE, AND DOES NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. DESIGN AND CONSTRUCTION OF ALL TEMPORARY BRACING, SHORING, FORMING, ETC REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-122844 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 02/05/2026

HMC ARCHITECTS
3595-003-000
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SACRAMENTO, CA 95816
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ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM 01	12/09/25

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1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER GREGORY T. REITMEIER 24550 STRUCTURAL STATE OF CALIFORNIA

12/8/2025

FACILITY:

TRACY HIGH SCHOOL
315 EAST 11TH STREET
TRACY, CA 95376

PROJECT:

TRACY HS FOOTBALL FIELD SCOREBOARD REPLACEMENT

SHEET NAME:

NOTES, ELEVATION & SECTION

DSA SUBMITTAL

DATE: **10/04/2024** CLIENT PROJ NO: **39-H8**

SHEET:

S0.01

AD1.03

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY 1" LONG ON ANSI SHEETS ORIGINAL PAGE SIZE

ELECTRICAL GENERAL NOTES

1) ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS AMENDED AND ADOPTED BY THE AUTHORITY(IES) HAVING JURISDICTION: 2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), 2022 CALIFORNIA BUILDING CODE (CBC), 2022 CALIFORNIA FIRE CODE (CFC), 2022 CALIFORNIA MECHANICAL CODE (CMC), 2022 CALIFORNIA PLUMBING CODE (CPC), 2022 CALIFORNIA ELECTRICAL CODE (CEC), 2022 CALIFORNIA ENERGY CODE (CENC), 2022 CALIFORNIA GREEN BUILDING CODE (CGC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS, AND ANY OTHER LOCAL CODES, ORDINANCES, REGULATIONS, OR AUTHORITIES HAVING JURISDICTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. THESE CODES SHALL DETERMINE MINIMUM REQUIREMENTS FOR MATERIALS, METHODS, AND LABOR PRACTICES NOT OTHERWISE DEFINED IN THESE SPECIFICATIONS.

2) ALL CONDUCTORS SHALL BE PER DESIGN SHEETS. CEC AND MAXIMUM VOLTAGE DROP OF 5% WILL DEFINE CONDUCTOR SIZING.

3) ALL CONDUCTORS SHALL BE IN CONDUITS, U.O.N. CONDUITS SHALL BE USED IN THE FOLLOWING METHODS:
   - POLYVINYL CHLORIDE (PVC) CONDUITS ALLOWED FOR UNDERGROUND OTHERWISE PROVIDE RMC OR IMC, INSTALL PER CEC TABLE 300.5 BURIAL DEPTH REQUIREMENTS
   - ELECTRICAL METALLIC TUBING (EMT) WITH COMPRESSION FITTINGS MAY BE USED IN OR ON WALLS OR CEILINGS WHERE NOT SUBJECT TO MECHANICAL DAMAGE, DAMP CONDITIONS OR CORROSIVE CONDITIONS;
   - LIQUID TIGHT FLEXIBLE METAL CONDUIT WHERE REQUIRED;
   - FLEXIBLE METALLIC CONDUIT, WHERE REQUIRED BY CEC, IN DRY LOCATIONS. NOTE: ALL CONDUITS IN HAZARDOUS LOCATIONS (PER CEC) SHALL MEET THE REQUIREMENTS OF CEC CHAPTER 5.
   - CONNECTION TO LIGHT FIXTURES ABOVE LAY-IN CEILING MAY USE 3/8" FLEXIBLE METAL CONDUIT PER CEC 348.20(A)(2)
   - ALL EXPOSED CONDUIT SUBJECT TO WEAR OR COLLISION SHALL BE RIGID GALVANIZED STEEL (RGS) OR INTERMEDIATE METALLIC TUBING (IMT). APPLY BITUMASTIC COATING TO ALL METALLIC CONDUITS IN SLABS OR UNDERGROUND.
   - PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL RACEWAY PENETRATIONS OF FIRE RATED CEILINGS, PARTITIONS, WALLS AND STRUCTURAL SLABS.

4) FOR TELEPHONE SYSTEM: PROVIDE GROUNDING FOR ALL TELEPHONE BACKBOARDS, TERMINAL CABINETS AND EQUIPMENT PER REQUIREMENTS OF CEC 800 AND TELEPHONE COMPANY.

5) ALL EQUIPMENT SHALL BE PROVIDED WITH AN APPROVED DISCONNECTING MEANS PER CEC. ALL DISCONNECT SWITCHES SHALL BE SIZED PER CEC TO ACCOMMODATE EQUIPMENT SERVED, INCLUDING REQUIRED FUSES, U.O.N. SWITCHES SHALL BE HORSE POWER RATED, OF HEAVY DUTY TYPE. PROVIDE MEANS FOR PAD LOCKING IN THE OPEN POSITION.

6) ALL CIRCUIT BREAKERS SHALL BE INVERSE TIME (THERMAL MAGNETIC) "PERMANENT TRIP" TYPE. TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP. AMPACITY IS EQUAL TO OR GREATER THAN CIRCUIT BREAKER FRAME AMPERE RATING.

7) ALL CONNECTIONS TO GROUND RODS AND GRID, ETC., SHALL BE MADE WITH U.L. APPROVED WELDED CONNECTIONS, UNLESS NOTED OTHERWISE.

8) LIGHTING SYSTEMS SHALL COMPLY WITH CENC. ALL LIGHTING FIXTURES, LAMPS, BALLASTS, DIMMER SWITCHES, AND CONTROLS SHALL BE CERTIFIED WITH THE CALIFORNIA ENERGY COMMISSION AS MEETING ALL CENC REQUIREMENTS AND BE LISTED IN THE APPLICABLE ENERGY COMMISSION DIRECTORY. ALL SUCH DEVICES AND EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. LIGHT FIXTURES IN SUSPENDED CEILINGS SHALL BE SUPPORTED IN STRICT ACCORDANCE WITH CBC SEISMIC REQUIREMENTS.

9) LIGHT POLLUTION REDUCTION: OUTDOOR LIGHTING SYSTEMS SHALL BE INSTALLED TO COMPLY WITH THE FOLLOWING:
   1) THE MINIMUM REQUIREMENTS IN CENC FOR LIGHTING ZONES 0-4 AS DEFINED IN CH. 10 OF CAC
   2) BACKLIGHT RATINGS AS DEFINED IN IES TM-15-11
   3) UPLIGHT AND GLARE RATINGS AS DEFINED IN CEC TABLES 130.2-A AND 130.2B
   4) ALLOWABLE BUG RATING NOT EXCEEDING THOSE SHOWN IN TABLE 5.106.8, OR

   COMPLY WITH A LOCAL ORDINANCE LAWFULLY ENACTED PURSUANT TO SECTION 101.7, WHICHEVER IS MORE STRINGENT.

10) ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR THE INTENDED USE, WITH UNDERWRITER'S LABORATORIES, INC., (U.L.), WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL. ALL EQUIPMENT SHALL BE RAIN TIGHT WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE METALLIC LIQUID TIGHT. ALL EQUIPMENT IN HAZARDOUS LOCATIONS, PER CEC, CHAPTER 5, SHALL BE IN ACCORDANCE WITH THE CEC. ALL EQUIPMENT IN CORROSIVE ENVIRONMENTS SHALL BE IN ENCLOSURES (SUCH AS NEMA 4X) RATED FOR THE ENVIRONMENT.

11) RECEPTACLES AND SWITCHES INTENDED TO BE ACCESSIBLE TO THE PUBLIC SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-308. INSTALLATION HEIGHT ABOVE FINISHED FLOOR OR GROUND SHALL BE AS FOLLOWS: TOP OF UNOBSTRUCTED OUTLET BOXES SHALL BE NO MORE THAN 48 INCHES, BOTTOM OF UNOBSTRUCTED OUTLET BOXES SHALL BE NO LESS THAN 15 INCHES, ETC.

12) UTILITY SERVICE AND REQUIREMENTS SHALL BE COORDINATED WITH POWER SERVICE WITH POWER COMPANY; PROVIDE FOR ALL STANDARD POWER COMPANY REQUIREMENTS. FAULT CURRENT RATINGS SHALL BE PROVIDED BY UTILITY.

13) THE LAYOUTS OF THE CONTRACT DRAWINGS ARE DIAGRAMMATIC. IT IS NOT INTENDED TO SHOW EVERY OFFSET AND FITTING, NOR EVERY STRUCTURAL DIFFICULTY THAT WILL BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK. ALIGNMENT OF EQUIPMENT AND ROUTING OF RACEWAYS MAY BE VARIED SLIGHTLY TO ACCOMMODATE ARCHITECTURAL CONDITIONS OR TO AVOID THE WORK OF OTHER TRADES. IF ANY CONFLICTS OCCUR NECESSITATING DEPARTURES FROM CONTRACT DRAWINGS, DETAILS OF DEPARTURES AND REASONS THEREFORE SHALL BE SUBMITTED AS SOON AS PRACTICABLE FOR WRITTEN APPROVAL OF THE ENGINEER.

14) THE WORD "CONTRACTOR", AS USED IN THE ELECTRICAL CONTRACT DOCUMENTS, SHALL MEAN THE PRIME (I.E. GENERAL) CONTRACTOR AND HIS/HER SUBCONTRACTORS FOR THE APPROPRIATE TRADE. WHERE THE OWNER ACTS AS HIS OWN CONTRACTOR, THE WORD CONTRACTOR APPLIES TO THE OWNER.

15) CONTRACTOR SHALL PROVIDE EVIDENCE OF LICENSING, BONDING, AND INSURANCE, AND PROVIDE OTHER NECESSARY ADMINISTRATIVE FUNCTIONS FOR CONTRACTOR'S WORK.

16) CONTRACTOR SHALL PROCURE AND PAY FOR ALL REQUIRED PERMITS AND SERVICE CHARGES.

17) COORDINATION: CONFORM TO GENERAL CONSTRUCTION CONTRACT DOCUMENTS EXCEPT AS MODIFIED HEREIN. REFER ALSO TO STRUCTURAL AND MECHANICAL CONTRACT DOCUMENTS. COORDINATE ALL WORK WITH OTHER TRADES.

18) CUTTING AND PATCHING: ANY CUTTING, ATTACHING, OR WELDING TO BUILDING STRUCTURE SHOULD BE COORDINATED AND APPROVED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER. PATCHING SUBJECT TO ACCEPTANCE BY OWNER.

19) SAW CUT TRENCHES IN SLAB SHALL BE FULLY RESTORED AND REINFORCED TO PREVENT SAGGING. ROUGHEN SAW CUT EDGES PRIOR TO RE-POURING CONCRETE.

20) COORDINATE ALL WORK WITH OTHER TRADES TO PROVIDE A COMPLETE INSTALLATION. CONNECT ALL EQUIPMENT FURNISHED BY OTHERS AS REQUIRED. INSTALL ALL WORK TO CLEAR ARCHITECTURAL AND STRUCTURAL MEMBERS. INSTALL ALL ABOVE GRADE (OVERHEAD) PIPING AS HIGH AS PRACTICAL.

21) RESTORE ALL DAMAGE RESULTING FROM THE WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK. ADJUST, CLEAN, REPAIR, OR REPLACE PRODUCTS, WHICH HAVE BEEN DAMAGED.

22) PROVIDE FLASHING AND COUNTER FLASHING FOR ALL WALL AND ROOF PENETRATIONS.

23) WARRANTY: ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL, AND WORKMANSHIP DEFECTS FOR A MINIMUM OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE PREMISES CAUSED BY WORK UNDER THIS CONTRACT, AS WELL AS ANY DAMAGE FROM LEAKS VIA ROOF PENETRATIONS MADE AND SEALED UNDER CONTRACTOR'S SCOPE.

MEP ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS, OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

MEP BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

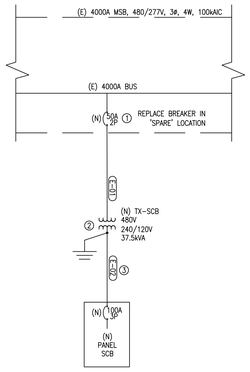
MECHANICAL PIPING (MP), MECHANICAL DUCTWORK (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP☐ MD☐ PP☐ E☒ OPTION 1: PROJECT-SPECIFIC DESIGN

MP☐ MD☐ PP☐ E☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP☐ MD☐ PP☐ E☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

PARTIAL ONE-LINE DIAGRAM



ONE-LINE KEY NOTES:

① PROVIDE LOCKABLE BREAKER FOR TRANSFORMER TX-SCB PRIMARY SIDE DISCONNECT

② MINIMUM #8 AWG CU GEC TO GROUND ELECTRODE SYSTEM, PROVIDE #8 AWG CU SBJ PER CEC 250.30(A)(1)(6)

③ SECONDARY CONDUCTORS MAX LENGTH SHALL BE 25' PER CEC 240.21(C)(6)

FEEDER SCHEDULE

TAG	# OF SETS	CONDUIT (PER SET)	CONDUCTORS (PER SET)		REMARKS
			PHASE/NEUTRAL	GROUND	
E-01	1	3/4"ø	(2) #6 AWG CU	(1) #8 AWG CU	
E-02	1	1-1/4"ø	(3) #3 AWG CU	(1) #8 AWG CU SSBJ	

ELECTRICAL LEGEND

	2X4 LIGHT FIXTURE (SURFACE, RECESSED)
	2X2 LIGHT FIXTURE (SURFACE, RECESSED)
	FIXTURE W/ BATTERY BACKUP (TYP. ALL SHADED FIXTURES)
	RECESSED DOWNLIGHT
	ROUND SURFACE MOUNT LIGHT
	PENDANT LIGHT
	TRACK LIGHT
	SIGNLIGHT
	WALL MOUNT LIGHT
	POLE MOUNT LIGHT – 2 HEAD
	POLE MOUNT LIGHT – 1 HEAD
	EXIT/EMERGENCY COMBO LIGHT
	EMERGENCY FIXTURE
	EXIT LIGHT
	CEILING EXHAUST FAN
S_{x}	WALL MOUNTED SWITCH
$S_{3,x}$	WALL MOUNTED 3-WAY SWITCH
(P)	PHOTOCELL
	PRIMARY AND SECONDARY DAYLIT ZONES
"X"	CEILING MOUNTED SENSOR
	RECEPTACLE – DUPLEX
	RECEPTACLE – QUADRUPLEX
	RECEPTACLE – DEDICATED
	RECEPTACLE – 2-POLE
	RECEPTACLE – SPECIALTY, SEE PLANS FOR TYPE
	RECEPTACLE WITH USB PORT
	FLOOR MOUNTED RECEPTACLE
	CEILING MOUNTED RECEPTACLE
	PHONE-DATA PORT
(S)	SMOKE DETECTOR
(C)	CARBON MONOXIDE DECTECTOR
(J)	JUNCTION BOX
3P	DISCONNECT – POLES (CAPACITY/FUSE)
"x"-1,3,5	HOME RUN – PANEL-CIRCUIT(S)
	WIRE/CONDUIT – OVERHEAD
	WIRE/CONDUIT – UNDERGROUND
	POWER PANEL
T	TRANSFORMER
AFF	ABOVE FINISHED FLOOR
+XX"	HEIGHT (INCHES) AFF
D	DIMMER
M	OCCUPANCY SENSOR
V	VACANCY SENSOR
GFCI	GROUND FAULT CURRENT INTERRUPTER
WP	WEATHERPROOF
HP	HORSEPOWER
BHP	BRAKE HORSEPOWER
NTS	NOT TO SCALE
GND	GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
MSB	MAIN SWITCHBOARD
SBJ	SYSTEM BONDING JUMPER
SSBJ	SUPPLY SIDE BONDING JUMPER
BCPM	BRANCH CIRCUIT POWER METER
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

PLEASE RECYCLE

AGENCY APPROVAL:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-122844 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
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TRACY UNIFIED SCHOOL DISTRICT

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ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM 01	12/09/25

OPTIMIZED ENERGY & FACILITIES CONSULTING, INC.
5734 Lonetree Boulevard, Rocklin, CA 95765
Office: (916) 626 5518 www.oefcinc.com

REGISTERED PROFESSIONAL ENGINEER ALLEN W. BATTISTA No.E23735 EXP.12-31-2027 STATE OF CALIFORNIA

FACILITY:
TRACY HIGH SCHOOL
315 E 11TH ST,
TRACY, CA 95376

PROJECT:
TRACY HS FOOTBALL FIELD SCOREBOARD REPLACEMENT

SHEET NAME:
ELECTRICAL GENERAL NOTES & ONE-LINE DIAGRAM

CONSTRUCTION DOCUMENTS

DATE: **12/02/25** CLIENT PROJ NO: **39-H8**

SHEET:

Δ1 **E0.0**
AD1.04

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ANSI SHEETS ORIGINAL IMAGE SIZE

EQUIPMENT SCHEDULE

TAG	TYPE	MANU.	MODEL	SERVES	RATINGS	DIMENSIONS (L"xW"xH")	WEIGHT (LBS)	REMARKS
TX-SCB	TRANSFORMER	SQUARE D	EE37S3H	PANEL SCB	37.5 kVA, 1-PHASE 480V -> 240/120V, NEMA 3R	20"x20"x37"	340	UL LISTED, PROVIDE WEATHERHELD ACCESSORY FOR TYPE 3R RATING

PANEL 'SCB' SCHEDULE

Panel Name:	SCB	Bus Rating:	125A
Voltage & Phase:	120/240V - 1Ø - 3W	AIC Rating:	22kAIC
Mounting:	Surface	Main Type:	Circuit Breaker
Enclosure Rating:	NEMA 3R	MCB Rating:	100A

Code	VA	Description	BRK	Ckt	PHASE	Ckt	BRK	Description	VA	Code
O	2953	Scoreboard Power 1	30/2	1	A	2	30/2	Scoreboard Power 2	2953	O
O	2953		-	3	B	4	-		2953	O
				5	A	6				
				7	B	8				
				9	A	10				
				11	B	12				
				13	A	14				
				15	B	16				

Largest Motor VA	0
Largest Motor Phases:	A,B
Subfeed Breaker to Panel:	

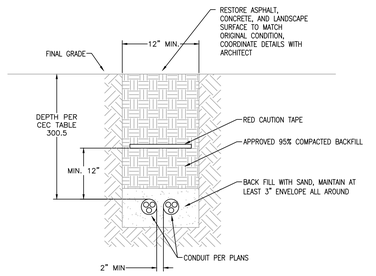
Load Code	VA Load per Phase A	B	C	Calculation Total VA	Mult.	VA Load
R = Recept	0	0	0	0	1.00	0
K = Kitchen	0	0	0	0	1.00	0
M = Motor	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
H = Heat	0	0	0	0	1.25	0
PV = Solar	0	0	0	0	1.25	0
EV = Elec. Vehicle	0	0	0	0	1.25	0
O = Other	5906	5906	0	11812	1.00	11812
Load Totals	5906	5906	0	11812	1.00	11812
VA of Largest Motor				0	0.25	0
Subfeed VA Loads	0.0	0.0	0.0			
Total VA Loads	5906.0	5906.0	0.0			
Load Balance	100.0%	100.0%	0.0%			
VA Load This Panel						11812.0
Amperage This Panel Per Largest Phase VA						49.2

VOLTAGE DROP SUMMARY

Total Feeder Voltage Drop		Worst Case Branch Circuit		Worst Case Voltage Drop
MSB-->TX-SCB-->SCB	0.20%	SCB-1,3	3.20%	3.41%

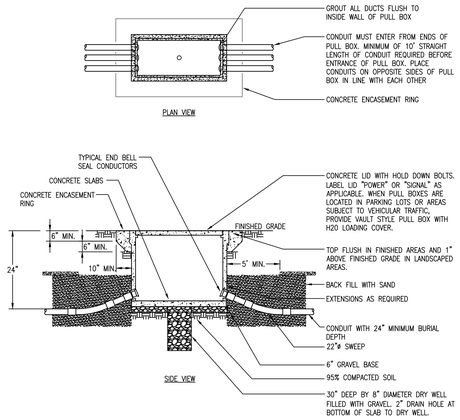
CABLE SCHEDULE

TAG	DESCRIPTION	USE
F	12 STRAND SINGLE MODE FIBER OPTIC CABLE	MDF TO VIDEO CONTROL, VIDEO CONTROL TO SCOREBOARD VIDEO DISPLAY

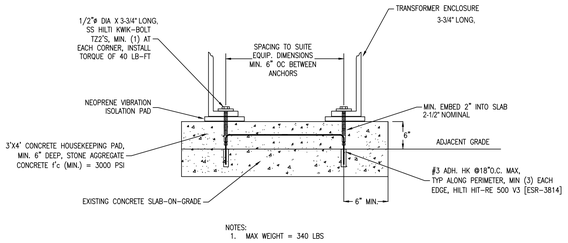


NOTES:
1. BOTTOM OF TRENCH SHALL BE SQUARE AND CLEAN
2. REFER TO PLANS FOR QUANTITY AND SIZES OF CONDUITS
3. SAND SHALL BE FINE GRANULAR MATERIAL, FREE OF ORGANIC MATTER, MICA, LOAM OR CLAY
4. PROVIDE MIN. 12" CLEARANCE ELECTRICAL AND OTHER UTILITIES (GAS, WATER, ETC.)
5. CONTRACTOR SHALL TRENCH FOR NEW UNDERGROUND CONDUIT(S). PRIOR TO TRENCHING COORDINATE EXISTING UTILITIES AND ALL FIELD CONDITIONS. NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES OR CONFLICTS

ELECTRICAL TRENCH — 1 / E0.1

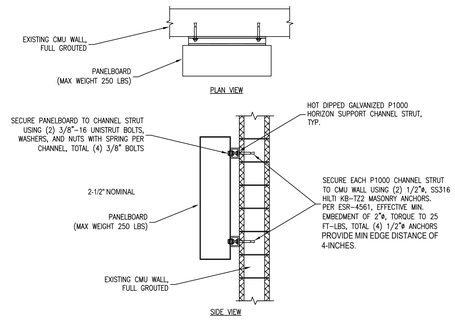


PULL BOX — 2 / E0.1



NOTES:
1. MAX WEIGHT = 340 LBS

TRANSFORMER MOUNTING — 3 / E0.1



PANELBOARD MOUNTING TO CMU WALL — 4 / E0.1

AGENCY APPROVAL:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-122844 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 02/05/2026

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OPTIMIZED ENERGY & FACILITIES CONSULTING, INC.
5734 Lonetree Boulevard, Rocklin, CA 95765
Office: (916) 626 5518 www.oeficnc.com

REGISTERED PROFESSIONAL ENGINEER ALEX W. BATTISTA No.E23735 EXP.12-31-2027 ELECTRICAL STATE OF CALIFORNIA

FACILITY:
TRACY HIGH SCHOOL
315 E 11TH ST,
TRACY, CA 95376

PROJECT:
TRACY HS FOOTBALL FIELD SCOREBOARD REPLACEMENT

SHEET NAME:
ELECTRICAL SCHEDULES AND DETAILS

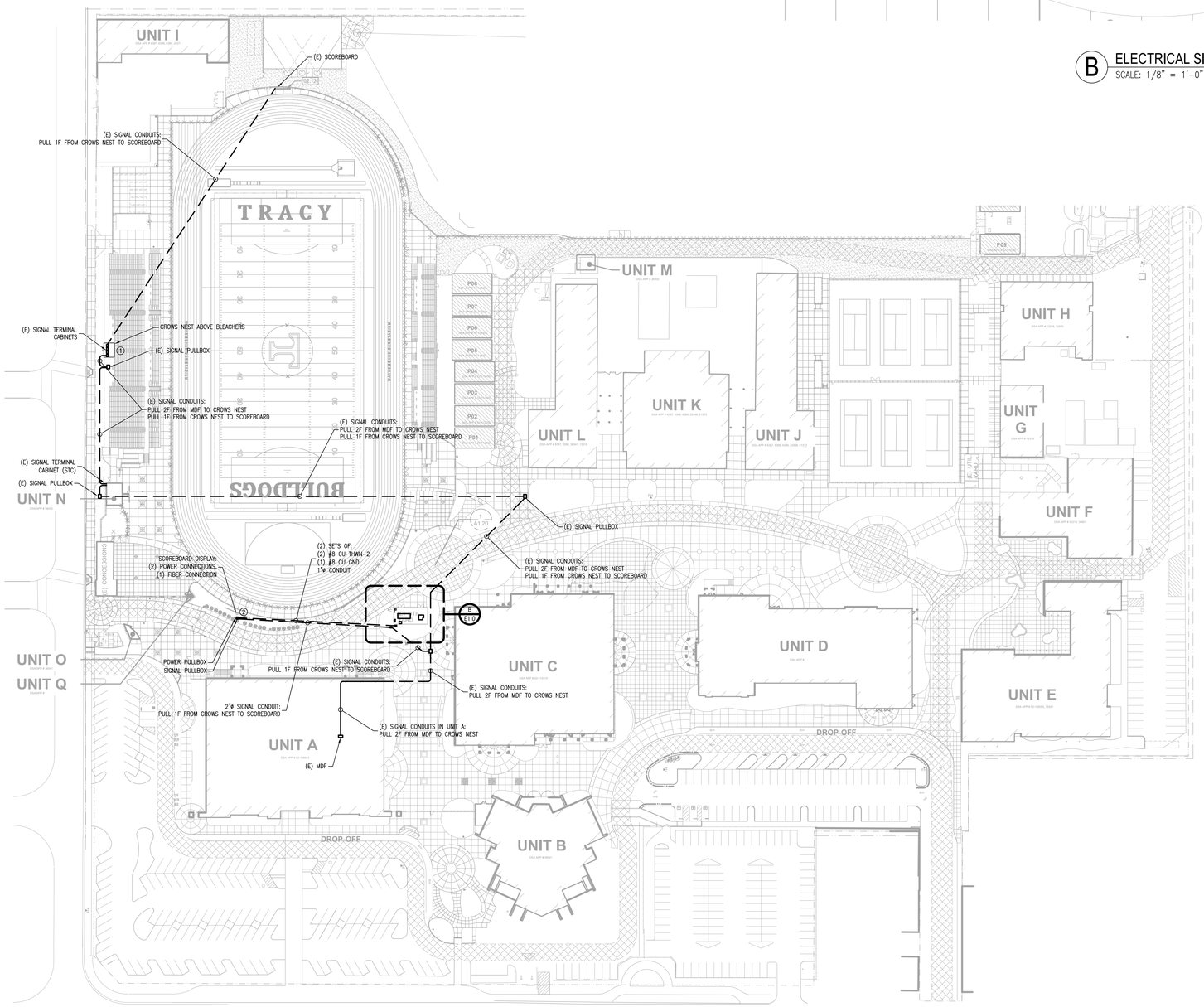
CONSTRUCTION DOCUMENTS

DATE: **12/02/25** | CLIENT PROJ NO: **39-H8**

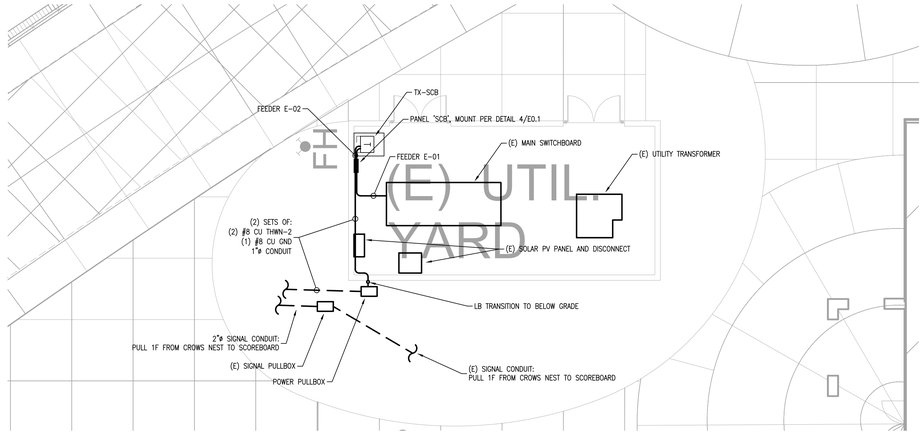
SHEET:
E0.1
AD1.05

PLEASE RECYCLE

THE LINE BROWN ABOVE IS EXACTLY 1" LONG ON ALL PLOTS SHEETS ORIGINAL IMAGE SIZE



A ELECTRICAL SITE PLAN - OVERALL
SCALE: 1" = 60'-0"



B ELECTRICAL SITE PLAN - ENLARGED ELEC YARD
SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. (E) EXISTING
   (N) NEW
   (R) RELOCATED
   (D) DEMO
2. ALL EQUIPMENT, PULL BOXES, AND POWER/CABLES/ CONDUIT SHOWN ARE (N) AND CONTRACTOR FURNISHED--CONTRACTOR INSTALLED (CFCI) U.O.N.
3. ALL UNDERGROUND CONDUIT SHALL BE PVC U.O.N. AND HAVE A MINIMUM BURIAL DEPTH PER CEC TABLE 300.5
4. PULL BOX LOCATIONS ARE DIAGRAMMATIC AND NOT DIMENSIONED. LOCATE NEW PULL BOXES IN CLOSEST LANDSCAPED AREA WHEREVER POSSIBLE. COORDINATE WITH EXACT FIELD CONDITIONS
5. PULL BOXES FOR POWER DISTRIBUTION SHALL BE TYPE NO9 MINIMUM, LID SHALL BE ENGRAVED "POWER", U.O.N.
6. PULL BOXES FOR SIGNAL DISTRIBUTION SHALL BE TYPE NO9 MINIMUM, LID SHALL BE ENGRAVED "SIGNAL", U.O.N.
7. PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS
8. PRIOR TO COMMENCING TRENCHING OPERATIONS, CONTACT THE UTILITIES UNDERGROUND SERVICE ALERT BUREAU AND DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITY LINES WHICH MIGHT BE DAMAGED DURING THE INSTALLATION OF THIS WORK. HAND TRENCH, BACKFILL, AND COMPACT IN AREAS OF EXISTING UTILITY LINES TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL CUSTOMER SIDE UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO, DOMESTIC WATER PIPING, FIRE PROTECTION PIPING, STORM DRAINAGE PIPING, GAS PIPING, SEWER PIPING, ELECTRICAL CONDUIT, ETC. CONDUIT PATHWAYS SHOWN ARE SCHEMATIC IN NATURE AND SHALL BE FIELD VERIFIED TO AVOID EXISTING UTILITIES, TREES, AND MINIMIZE THE AMOUNT OF HARDSCAPE REPAIR AS MUCH AS POSSIBLE
9. RESTORE ASPHALT, CONCRETE, AND LANDSCAPE SURFACE TO MATCH ORIGINAL CONDITION.

KEY NOTES:

1. PULL FIBER CABLES THRU EXISTING SIGNAL CONDUITS UP TO THE EXISTING CROWS NEST ABOVE BLEACHERS. FURNISH AND INSTALL A DAKTRONICS VIDEO CONTROL (120V, 184 WATTS), COORDINATE POWER WITH EXISTING CIRCUITRY/RECEPTACLES. COORDINATE FIBER CONNECTIONS WITH DISTRICT FOR NEW AND EXISTING SCOREBOARDS
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL POWER, SIGNAL, AND GROUNDING REQUIREMENTS FOR THE NEW SCOREBOARD PER MANUFACTURER REQUIREMENTS

NORTH

PLEASE RECYCLE

AGENCY APPROVAL:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-122844 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 02/05/2026

TRACY UNIFIED SCHOOL DISTRICT

HMC Architects
3595-003-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM 01	12/09/25

OPTIMIZED ENERGY & FACILITIES CONSULTING, INC.
5734 Lonetree Boulevard, Rocklin, CA 95765
Office: (916) 626 5518 www.oefcinc.com

REGISTERED PROFESSIONAL ENGINEER
ALEXIS M. BATISTA
No. E23735
EXP. 12-31-2027
ELECTRICAL
STATE OF CALIFORNIA

FACILITY:
TRACY HIGH SCHOOL
315 E 11TH ST,
TRACY, CA 95376

PROJECT:
TRACY HS FOOTBALL FIELD SCOREBOARD REPLACEMENT

SHEET NAME:
ELECTRICAL SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: **12/02/25** | CLIENT PROJ NO: **39-H8**

SHEET:

1 **E1.0**
AD1.06

DSA

103-22

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

☐ Project has a geotechnical report or construction documents require special inspection by a geotechnical engineer.
☑ Project does NOT have and does NOT require a geotechnical report.

	TYPE	BY
S1 | SOILS - GENERAL		
☑ S1a: Site Preparation	See Notes	PI
S2 | COMPACTION AND FILL		
☐ S2a: Fill Materials	Test	LOR*
☐ S2b: Fill Placement	Continuous	LOR*
☐ S2c: Compaction	Test	LOR*
S3 | DRIVEN DEEP FOUNDATIONS (PILES)		
☐ S3a: Materials and Members	Continuous	GE*
☐ S3b: Pile Capacity	Test	LOR*
☐ S3c: Driving Operations	Continuous	GE*
☐ S3d: Pile Installation	Continuous	GE*
☐ S3e: Specialty Piles	*	*
S4 | CAST-IN-PLACE DEEP FOUNDATIONS (PIERS)		
☐ S4a: Drilling Operations	Continuous	PI
☐ S4b: Pier Construction	Continuous	PI
☐ S4c: Bearing Strata	Continuous	GE*
S5 | RETAINING WALLS		
☐ S5a: Backfill Placement	Continuous	GE*
☐ S5b: Soil Reinf. and Drainage	Continuous	GE*
☐ S5c: Segmental Retaining Walls	Continuous	GE*
S6 | OTHER SOILS		
☐ S6a: Soil Improvement Test	Test	GE*
☐ S6b: Soil Improvement Inspection	Continuous	GE*
☐ S6c: Not used.	N/A	N/A
☐ S6d: Not used.	N/A	N/A
☐ S6e: Not used.	N/A	N/A
☐ S6f: Not used.	N/A	N/A
☐ S6g: Not used.	N/A	N/A
☐ S6h: Not used.	N/A	N/A
☐ S6i: Not used.	N/A	N/A
☐ S6j: Not used.	N/A	N/A
☐ S6k: Not used.	N/A	N/A
☐ S6l: Not used.	N/A	N/A
☐ S6m: Not used.	N/A	N/A
☐ S6n: Not used.	N/A	N/A

* See Appendix for additional information.

	TYPE	BY
C1 | CAST-IN-PLACE CONCRETE		
☑ C1a: Mix Design	Continuous	SI
☑ C1b: Reinforcing Steel	Test	LOR
☑ C1c: Concrete Material	Test	LOR
☑ C1d: Strength Test	Test	LOR
☑ C1e: Batch Plant Inspection	Not Required	SI
C2 | PRESTRESSED CONCRETE		
☐ C2a: Tendons and Anchorage	Test	LOR
☐ C2b: Tendon Placement	Periodic	SI
☐ C2c: Concrete Strength	Periodic	SI
☐ C2d: Stressing Operations	Continuous	SI
C3 | PRECAST CONCRETE		
☐ C3a: General Fabrication	Continuous	SI
☐ C3b: General Erection	Periodic	SI*
☐ C3c: Diaphragm Connections	Continuous	SI
☐ C3d: Diaphragm Tolerances	Periodic	SI
C4 | SHOTCRETE		
☐ C4a: Placement	Continuous	SI
☐ C4b: Shotcrete Material	Test	LOR
C5 | POST-INSTALLED ANCHORS		
☑ C5a: Inspection	See notes	SI*
☑ C5b: Test	Test	LOR
C6 | OTHER CONCRETE		
☐ C6a: Not used.	N/A	N/A
☐ C6b: Not used.	N/A	N/A
☐ C6c: Not used.	N/A	N/A
☐ C6d: Not used.	N/A	N/A
☐ C6e: Not used.	N/A	N/A
☐ C6f: Not used.	N/A	N/A
☐ C6g: Not used.	N/A	N/A
☐ C6h: Not used.	N/A	N/A
☐ C6i: Not used.	N/A	N/A
☐ C6k: Not used.	N/A	N/A
☐ C6l: Not used.		
Not used.		

* See Appendix for additional information.

Project Name: **Tracy High School**
School District: **Tracy Unified School**

Application No.: **02-122844** Increment:
File No.: **39-H8**

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

	TYPE	BY
M1 | STRUCTURAL MASONRY f'm PSI:		
☐ M1a: Mill Certificates - Reinf.	Periodic	SI*
☐ M1b: Material Certificates	Test	LOR
☐ M1c: Strength Test	Test	LOR
☐ M1d: Mortar Proportions	Periodic	SI
☐ M1e: Grout Proportions	Periodic	SI
☐ M1f: Batch Plant Inspection		SI
☐ M1g: Core Tests	Test	LOR
☐ M1h: Prisms	Continuous	SI
☐ M1i: Dowels and Supports	Periodic	SI
☐ M1j: Reinforcement and Members	Periodic	SI
☐ M1k: Reinforcement Placement	Continuous	SI
☐ M1l: Grout Placement	Continsuous	SI
☐ M1m: Unit Layup and Joints	Periodic	SI*
☐ M1n: Cold/Hot Weather Work	Periodic	SI
☐ M1o: Anchors and Embeds	Continuous	SI
☐ M1p: Grout Cavity	Continuous	SI
M2 | VENEER OR GLASS BLOCK PARTITIONS		
☐ M2a: Mortar and Grout	Periodic	SI
☐ M2b: Unit Layup and Joints	Periodic	SI
☐ M2c: Wires and Connector	Periodic	SI
☐ M2d: Anchors and Embeds	Periodic	SI
☐ M2e: Cold/Hot Weather Work	Periodic	SI*
☐ M2f: Adhered Veneer Bond	Test	LOR
M3 | POST-INSTALLED ANCHORS		
☑ M3a: Inspection	Varies*	SI*
☑ M3b: Test	Test	LOR
M4 | OTHER MASONRY		
☐ M4a: Not used.	N/A	N/A
☐ M4b: Not used.	N/A	N/A
☐ M4c: Not used.	N/A	N/A
☐ M4d: Not used.	N/A	N/A
☐ M4e: Not used.	N/A	N/A
☐ M4f: Not used.	N/A	N/A
☐ M4g: Not used.	N/A	N/A
☐ M4h: Not used.	N/A	N/A
☐ M4i: Not used.	N/A	N/A
☐ M4j: Not used.	N/A	N/A
☐ M4k: Not used.		
☐ M4l: Not used.		
☐ M4m: Not used.		
* See Appendix for additional information.		

	TYPE	BY
S/A1 | STEEL AND ALUMINUM		
☑ S/A1a: Material Identification	Periodic	*
☑ S/A1b: Unidentified Material	Test	LOR
☑ S/A1c: Steel Fabrication	Periodic	SI
☐ S/A1d: Buckling Restrained Brace	Test*	LOR
S/A2 | HIGH-STRENGTH BOLTS		
☐ S/A2a: Product Verification	Periodic	SI
☐ S/A2b: Bolts, Nuts, and Washers	Test	LOR
☐ S/A2c: Snug Tight	Periodic	SI
☐ S/A2d: Pretensioned / Slip-Critical	*	SI
S/A3 | WELDING		
☑ S/A3a: Weld Material	Periodic	SI
☑ S/A3b: Certificate of Compliance	Periodic	SI
☑ S/A3c: WPS and Qualifications	Periodic	SI
S/A4 | SHOP WELDING		
☑ S/A4a: Weld Category A	Continuous	SI
☑ S/A4b: Weld Category B	Periodic	SI
☐ S/A4c: Stairs and Railing	Periodic	SI
☐ S/A4d: Reinf. Steel Weldability	Periodic	SI
☐ S/A4e: Reinforcing Steel	Continuous	SI
S/A5 | FIELD WELDING		
☐ S/A5a: Weld Category A	Continuous	SI
☑ S/A5b: Weld Category B	Periodic	SI
☐ S/A5c: End Welded Studs	Periodic	SI
☐ S/A5d: Deck Welds	Periodic	SI
☐ S/A5e: Cold-Formed Steel	Periodic	SI
☐ S/A5f: Stairs and Railing	Periodic	SI
☐ S/A5g: Reinf. Steel Weldability	Periodic	SI
☐ S/A5h: Reinforcing Steel	Continuous	SI
S/A6 | NONDESTRUCTIVE TESTING		
☑ S/A6a: Ultrasonic	Test	LOR
☐ S/A6b: Magnetic Particle	Test	LOR
☐ S/A6c:Not used.	N/A	N/A
☐ S/A6d:Not used.	N/A	N/A
☐ S/A6e:Not used.	N/A	N/A
S/A7 | STEEL JOISTS AND TRUSSES		
☐ S/A7a: Fabrication	Continuous	SI
S/A8 | SPRAYED FIRE-RESISTANT MATERIALS		
☐ S/A8a: Surface and Installation	Periodic	SI
☐ S/A8b: Density	Test	LOR
☐ S/A8c: Bond: Adhesion/Cohesion	Test	LOR
* See Appendix for additional information.		

Project Name: **Tracy High School** Application No.: **02-122844** Increment:
School District: **Tracy Unified School** File No.: **39-H8**

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

	TYPE	BY
S/A9 | ANCHOR BOLTS AND ANCHOR RODS		
☑ S/A9a: Anchor Rods and Bolts	Test	LOR
☐ S/A9b: Other Threaded Rods	Test	LOR
S/A10 | STORAGE RACK SYSTEMS		
☐ S/A10a: Material Verification	Periodic	SI
☐ S/A10b: Fabrication	Periodic	SI
☐ S/A10c: Anchorage	Periodic	SI
☐ S/A10d: Completed System	Periodic	SI*
S/A11 | OTHER STEEL AND ALUMINUM		
☐ S/A11a: Not used.	N/A	N/A
☐ S/A11b: Not used.	N/A	N/A
☐ S/A11c: Not used.	N/A	N/A
☐ S/A11d: Not used.	N/A	N/A
☐ S/A11e: Not used.	N/A	N/A
☐ S/A11f: Not used.	N/A	N/A
☐ S/A11g: Not used.	N/A	N/A
☐ S/A11h: Not used.	N/A	N/A
☐ S/A11i: Not used.	N/A	N/A
☐ S/A11j: Not used.	N/A	N/A
W1 | PREFABRICATED WOOD TRUSSES		
☐ W1a: Open Web Truss Fabrication	Continuous	SI
☐ W1b: Metal Plate Truss Fabrication	Continuous	SI
W2 | MANUFACTURED WOOD ELEMENTS		
☐ W2a: GL Timber Fabrication	Continuous	SI
☐ W2b: CLT Fabrication	Continuous	SI
☐ W2c: Mass Timber Erection	Periodic	SI
☐ W2d: Connections Type A	Periodic	SI
☐ W2e: Connections Type B	Continuous	SI
☐ W2f: Sealants	Periodic	SI
W3 | OTHER WOOD		
☐ W3a: Not used.	N/A	N/A
☐ W3b: Not used.	N/A	N/A
☐ W3c: Not used.	N/A	N/A
☐ W3d: Not used.	N/A	N/A
☐ W3e: Not used.	N/A	N/A
☐ W3f: Not used.	N/A	N/A
☐ W3g: Not used.	N/A	N/A
☐ W3h: Not used.	N/A	N/A

* See Appendix for additional information.

	TYPE	BY
X | OTHER		
☐ X01: Product Load Test*	Test	LOR
☐ X02: Non-HSB Installation Torque	Continuous	SI*
☐ X03: Not used.	N/A	N/A
☐ X04: Not used.	N/A	N/A
☐ X05: Not used.	N/A	N/A
☐ X06: Not used.	N/A	N/A
☐ X07: Not used.	N/A	N/A
☐ X08: Not used.	N/A	N/A
☐ X09: Not used.	N/A	N/A
☐ X10: Not used.	N/A	N/A

EXEMPTIONS

Those items identified on the DSA-approved construction documents with a note indicating they are not part of the DSA approval or those items checked below are exempt from test and special inspection requirements. The project inspector shall verify all construction complies with the approved construction documents.

- ☐ Soils: Eligible shallow foundation elements**.
- ☑ Soils: Eligible deep foundation elements - type 1**.
- ☐ Soils: Eligible deep foundation elements - type 2**.
- ☐ Concrete/Masonry: Eligible post-installed anchors**.
- ☑ Concrete: Batch plant inspection for items listed in and complying with CBC Section 1705A.3.3.2.
- ☐ Concrete: Epoxy shear dowels in nonstructural slab-on-grade per CBC Section 1910A.5.4, Exception #4.
- ☐ Concrete/Masonry: Reinforcing bar testing for items listed in and complying with CBC Section 1910A.2.
- ☐ Masonry: Freestanding site walls and retaining walls per DSA IR 21-1.
- ☐ Concrete: Eligible precast elements**.
- ☐ Welding: Eligible fences and gates**.
- ☐ Welding: Eligible railing and ramps**.
- ☐ Welding: Eligible interior cold-formed steel framing**.
- ☐ Welding: Eligible equipment curbs**.
- ☐ Welding: Eligible components supporting MEP distribution systems**.
- ☐ Welding: Eligible mounts and recreational equipment**.
- ☐ Welding: Eligible nonstructural components**.

** See Appendix for eligibility requirements.

Project Name: **Tracy High School** Application No.: **02-122844** Increment:
School District: **Tracy Unified School** File No.: **39-H8**

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Any items indicated on the approved construction documents with a note stating that the items are not part of the DSA approval are not considered in this form. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The exemption appendix at the end of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of nonstructural components, etc., per Title 24, Part 2, Chapter 17A.

Legend to TYPE and BY Columns:

Continuous - Indicates continuous special inspection is required.

Periodic - Indicates periodic special inspection is required.

Test - Indicates a test is required.

GE – Indicates special inspection shall be performed by a registered geotechnical engineer or his/her authorized representative, usually associated with the Laboratory of Record.

LOR – Indicates test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program (i.e., the Laboratory of Record for the project). See CAC Section 4-335.

PI - Indicates special inspection may be performed by a project inspector when specifically approved by DSA.

SI - Indicates special inspection shall be performed by an appropriately qualified/approved special inspector.

Required Verified Reports:

1. Structural Testing and Inspection: Form DSA 291
2. Post-installed Anchors: Form DSA 291 or DSA 292
3. Shop Welding Inspection: Form DSA 291 or DSA 292
4. Field Welding Inspection: Form DSA 291 or Form DSA 292

Verified reports are required on the following DSA forms:

DSA 291: Laboratory of Record Verified Report

DSA 292: Special Inspectors Employed Directly by the District Verified Report

DSA 293: Geotechnical Verified Report

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

Name of Design Professional in General Responsible Charge:

Micheal C. Rath

Name of Structural Engineer of Record (when applicable):

Greg I. Richards

Signature of Architect or Structural Engineer: Greg Richards **Date:** 1-21-26

DSA STAMP

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-122844 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 02/05/2026

Project Name: **Tracy High School**
School District: **Tracy Unified School**

Application No.: **02-122844** Increment:
File No.: **39-H8**

Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

NOTE: Undefined sections and table references found in this appendix are from the CBC, or California Building Code

S1. GENERAL:	
Test or Special Inspection	**Code References and Notes**
S1a: Site Preparation | Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

S2. SOIL COMPACTION AND FILL:	
Test or Special Inspection	**Code References and Notes**
S2a: Fill Materials | Perform classification and testing of fill materials.	* Under the supervision of the geotechnical engineer.
S2b: Fill Placement | Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the end of this form listing exemptions for limitations.
S2c: Compaction | Compaction testing.	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

S3. DRIVEN DEEP FOUNDATIONS (PILES):	
Test or Special Inspection	**Code References and Notes**
S3a: Materials and Members | Verify pile materials, sizes and lengths comply with the requirements.	* By geotechnical engineer or his or her qualified representative.
S3b: Pile Capacity | Determine capacities of test piles and conduct additional load tests as required.	* Under the supervision of the geotechnical engineer.
S3c: Driving Operations | Inspect driving operations and maintain complete and accurate records for each pile.	* By geotechnical engineer or his or her qualified representative.

S3d: Pile Installation | Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	* By geotechnical engineer or his or her qualified representative.
S3e: Specialty Piles | For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	* As defined on drawings or specifications.

S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):	
Test or Special Inspection	**Code References and Note**
S4a: Drilling Operations | Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix (end of this form) listing exemptions for limitations.
S4b: Pier Construction | Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable); record concrete or grout volumes.	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix (end of this form) listing exemptions for limitations.
S4c: Bearing Strata | Confirm adequate end strata bearing capacity.	Provide tests and inspections per CONCRETE section below.

S5. RETAINING WALLS:	
Test or Special Inspection	**Code References and Notes**
S5a: Backfill Placement | Placement, compaction and inspection of backfill.	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section S2 above).
S5b: Soil Reinf. and Drainage | Placement of soil reinforcement and/or drainage devices.	* By geotechnical engineer or his or her qualified representative.
S5c: Segmental Retaining Walls | Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.

Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

C1. CAST-IN-PLACE CONCRETE	
Test or Special Inspection	**Code References and Notes**
C1a: Mix Design | Verify use of required design mix.	**Table 1705A.3 Item 5, 1903A.5, 1903A.7, 1904A.1, 1904A.2, 1910A.1 ; ACI 318 Ch. 19, 26.4, 26.13.3.2.**
C1b: Reinforcing Steel | Identify, sample, and test reinforcing steel.	**Table 1705A.3 Item 1, 1705A.3.9, 1908A.1, 1910A.2; ACI 318 Ch. 20 and Sections 25.2, 25.3, 25.5.1, 26.6.1; DSA IR 17-10 and BU 24-02. (See Appendix (end of this form) for exemptions.)**
C1c: Concrete Material | During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Table 1705A.3 Item 6, 1705A.3.9, 1905A.1.17; ASTM C31, ASTM C172; ACI 318 Sections 26.4, 26.5 & 26.12.**
C1d: Strength Test | Test concrete (f'c).	**1905A.1.17; ACI 318 Section 26.12.**
C1e: Batch Plant Inspection | Batch plant inspection: Continuous	**Default of "Continuous" per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to "Periodic" subject to requirements in Section 1705A.3.3.1, or not required per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)**

C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	**Code References and Notes**
C2a: Tendons and Anchorage | Sample and test prestressing tendons and anchorages.	**1705A.3.4 Table 1705A.3 Item 1, 1910A.3; ACI 318 Ch. 20 and Sections 25.2, 26.6.1.**
C2b: Tendon Placement | Inspect placement of prestressing tendons.	**1705A.3.4, Table 1705A.3 Items 1 & 9; ACI 318 Ch. 20 and Sections 25.2, 26.6.1-26.6.3.**
C2c: Concrete Strength | Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Table 1705A.3 Item 13; ACI 318 Sections 26.10.2, 26.11.2, 26.13.3.3. Special inspector to verify specified concrete strength test prior to stressing.**
C2d: Stressing Operations | Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**1705A.3.4, Table 1705A.3 Item 9; ACI 318 Sections 26.10.2, 26.13.1, 26.13.3.2.**

C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	**Code References and Notes**
C3a: General Fabrication | 1. Inspect fabrication of precast concrete members. * 2. Inspect reinforcement of the following precast concrete elements or system(s): a. special moment frames. b. boundary elements of special structural walls. c. coupling beams.	**1705A.3 Item 1, 7.** See Appendix for exemptions. *May be periodic where fabrication occurs in a PCI-certified plant. For underground structures, NPCA plant certification is acceptable. PCI MNL-116-21; PCI MNL-117-13; NPCA Quality Control Manual (QCM) 17th Edition. See IR A-15.

C3b: General Erection | Inspect erection of precast concrete members.	**Table 1705A.3 Item 10**.
C3c: Diaphragm Connections | For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts. 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	**Table 1705A.3 Item 11**.
C3d: Diaphragm Tolerances | Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	**Table 1705A.3 Item 12**

C4. SHOTCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	**Code References and Notes**
C4a: Placement | Inspect shotcrete placement for proper application techniques.	**1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2 Section 3.4, and ACI 506R.**
C4b: Shotcrete Material | Sample and test shotcrete (f'_c).	**1908A.2 and 1705A.3.9.**

C5. POST-INSTALLED ANCHORS:	
Test or Special Inspection	**Code References and Notes**
C5a: Inspection | Inspect installation of post-installed anchors	**1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8** (See Appendix (end of this form) for exemptions). ACI 318 Sections 26.7.2, 26.13.1, 26.13.3.2, 26.13.3.3. * May be performed by the project inspector when specifically approved by DSA.
C5b: Test | Test post-installed anchors.	**1910A.5.** (See Appendix (end of this form) for exemptions.)

to structural members, frames and other construction.	
M1p: Grout Cavity | Inspect grout space, including mortar protrusions, prior to placement of grout.	TMS 602 Table 4 Item 2a.

M2. VENEER OR GLASS BLOCK PARTITIONS:	
Test or Special Inspection	**Code References and Notes**
M2a: Mortar and Grout | Verify proportions of site prepared mortar and grout and/or verify certification of premixed mortar.	TMS 602 Table 3 (row 5) and Table 4 Items 1a & 2d.
M2b: Unit Layup and Joints | Inspect placement of units and construction of mortar joints.	TMS 602 Table 4 Item 3b.
M2c: Wires and Connector | Inspect placement of wire, connectors and anchors	TMS 602 Table 4 Item 2c.
M2d: Anchors and Embeds | Inspect type, size and location of anchors and all other items to be embedded in masonry veneer including details of anchorage of masonry to veneer backing, frames and other construction.	TMS 602 Table 4 Item 3d.
M2e: Cold/Hot Weather Work | Verify preparation, construction and protection of masonry during cold weather (temperature below 40º F) or hot weather (above 90º F).	TMS 602 Table 4 Item 3f. * May be performed by the project inspector when specifically approved by DSA.
M2f: Adhered Veneer Bond | Test adhered veneer bond strength.	**1410.2.1 (Field-constructed mock-up using specified unit, mortar, and substrate, laboratory tested in accordance with ASTM C1823).**

M3. POST-INSTALLED ANCHORS IN MASONRY:	
Test or Special Inspection	**Code References and Notes**
M3a: Inspection | Inspect installation of post-installed anchors	**1617A.1.19, 1705A.4, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic);** ACI 318 Section 26.13. * May be performed by the project inspector when specifically approved by DSA. (See Appendix (end of this form) for exemptions.)
M3b: Test | Test post-installed anchors.	**1705A.4, 1910A.5.** (See Appendix (end of this form) for exemptions.)

Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES	
Test or Special Inspection	**Code References and Notes**
S/A1a: Material Identification | Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	**Table 1705A.2.1 Item 3a–3c.** 2202A.1**;** AISI S100 Section A3.1 & A3.2, AISI S240 Section A3 & A5, AISI S220 Sections A4 & A6. *By special inspector or qualified technician when performed off-site.
S/A1b: Unidentified Material | Test unidentified materials	**2202A.1.**
S/A1c: Steel Fabrication | Verify and document steel fabrication per DSA- approved construction documents.	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).
S/A1d: Buckling Restrained Brace | Verify and document steel fabrication per DSA-approved construction documents.	Testing and special inspections in accordance with IR 22-4. For DSA accepted fabrication shops, BRB manufacturer's Certificate of Compliance in lieu of testing and special inspections. See IR 22-4.

S/A2. HIGH-STRENGTH BOLTS:	
Test or Special Inspection	**Code References and Notes**
S/A2a: Product Verification | Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	**Table 1705A.2.1 Items 1a & 1b, 2202A.1;** AISC 360 Section A3.3, J3.1, and N3.2; RCSC Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
S/A2b: Bolts, Nuts, and Washers | Test high-strength bolts, nuts and washers.	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC Section 7.2; DSA IR 17-8.
S/A2c: Snug Tight | Bearing-type ("snug tight") connections.	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360 J3.1, J3.2, M2.5 & N5.6; RCSC Section 9.1; DSA IR 17-9.
S/A2d: Pretensioned / Slip-Critical | Pretensioned and slip-critical connections.	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2;** AISC 360 J3.1, J3.2, M2.5 & N5.6; RCSC Sections 9.2 & 9.3; DSA IR 17-9 *"Continuous" or "Periodic" depends on the tightening method used.

S/A3. WELDING:	
Test or Special Inspection	**Code References and Notes**
S/A3a: Weld Material | Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
S/A3b: Certificate of Compliance | Verify weld filler material manufacturer's certificate of compliance.	DSA IR 17-3.
S/A3c: WPS and Qualifications | Verify WPS, welder qualifications and equipment.	DSA IR 17-3.

S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):	
Test or Special Inspection	**Code References and Notes**
S/A4a: Weld Category A | Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Table 1705A.2.1 Items 5a.1–4;** AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
S/A4b: Weld Category B | Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
S/A4c: Stairs and Railing | Inspect welding of stairs and railing systems.	**1705A.2.1**; AISC 360 (and AISC 341 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
S/A4d: Reinf. Steel Weldability | Verification of reinforcing steel weldability other than ASTM A706.	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
S/A4e: Reinforcing Steel | Inspect welding of reinforcing steel.	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):	
Test or Special Inspection	**Code References and Notes**
S/A5a: Weld Category A | Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Table 1705A.2.1 Items 5a.1–4;** AISC 360 (AISC 341 as applicable); DSA IR 17-3.
S/A5b: Weld Category B | Inspect single-pass fillet welds ≤ 5/16".	**Table 1705A.2.1 Item 5a.5;** AISC 360 (AISC 341 as applicable); DSA IR 17-3.
S/A5c: End Welded Studs | Inspect end-welded studs (ASTM A-108) installation (including bend test).	**2213A.2**; AISC 360 (AISC 341 as applicable); AWS D1.1; DSA IR 17-3.
S/A5d: Deck Welds | Inspect floor and roof deck welds.	**1705A.2.2, Table 1705A.2.1 Item 5a.6;** AISC 360 (AISC 341 as applicable); AWS D1.3; DSA IR 17-3.
S/A5e: Cold-Formed Steel | Inspect welding of structural cold-formed steel.	**1705A.2.5;** AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
S/A5f: Stairs and Railing | Inspect welding of stairs and railing systems.	**1705A.2.1;** AISC 360 (AISC 341 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
S/A5g: Reinf. Steel Weldability | Verification of reinforcing steel weldability.	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
S/A5h: Reinforcing Steel | Inspect welding of reinforcing steel.	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

S/A6. NONDESTRUCTIVE TESTING:	
Test or Special Inspection	**Code References and Notes**
S/A6a: Ultrasonic | Ultrasonic	**1705A.2.1, Table 1705A.2.1 Item 4c, 1705A.2.5;** AISC 341 J6.2, AISC 360 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
S/A6b: Magnetic Particle | Magnetic Particle	**1705A.2.1, Table 1705A.2.1 Item 4c, 1705A.2.5;** AISC 341 J6.2, AISC 360 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
S/A6c: Not used.	N/A
S/A6d: Not used.	N/A
S/A6e: Not used.	N/A

S/A7. STEEL JOISTS AND TRUSSES:	
Test or Special Inspection	**Code References and Notes**
S/A7a: Fabrication | Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	**1705A.2.3, Table 1705A.2.3;** AWS D1.1; DSA IR 22-3 for steel joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

S/A8. SPRAYED FIRE-RESISTANT MATERIALS:	
Test or Special Inspection	**Code References and Notes**
S/A8a: Surface and Installation | Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	**1705A.15, 1705A.15.1, 1705A.15.2, 1705A.15.3, 1705A.15.4, 1705A.15.5, 1705A.15.6.**
S/A8b: Density | Test density.	**1705A.15.1, 1705A.15.5, ASTM E605**
S/A8c: Bond: Adhesion/Cohesion | Bond strength adhesion/cohesion.	**1705A.15.1, 1705A.15.6, ASTM E736**

S/A9. ANCHOR BOLTS AND ANCHOR RODS:	
Test or Special Inspection	**Code References and Notes**
S/A9a: Anchor Rods and Bolts | Anchor Bolts and Anchor Rods	Identify, sample and test anchor bolts and anchor rods **not** meeting exemptions identified in Section 1 of IR 17-11.
S/A9b: Other Threaded Rods | Threaded rod not used for foundation anchorage.	Identify, sample and test threaded rods **not** meeting exemptions identified in Section 1 of IR 17-11.

S/A10. STORAGE RACK SYSTEMS:	
Test or Special Inspection	**Code References and Notes**
S/A10a: Material Verification | Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Table 1705A.13.7
S/A10b: Fabrication | Fabricated storage rack elements.	1704A.2.5; Table 1705A.13.7
S/A10c: Anchorage | Storage rack anchorage installation.	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
S/A10d: Completed System | Completed storage rack system to indicate compliance with the approved construction documents.	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

EXEMPTIONS

SOILS - EXEMPTIONS:
Soils: Eligible shallow foundation elements | Shallow foundations, are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception Item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC, Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill with depth not exceeding 12". These exempt structures shall be identified on the approved construction documents.
Soils: Eligible deep foundation elements, Type 1 | Deep foundation acting as cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report are exempt from special inspection and testing by a Geotechnical Engineer for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.). These exempt structures shall be identified on the approved construction documents.
Soils: Eligible deep foundation elements Type 2 | Deep foundation acting as cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report are exempt from special inspection and testing by a Geotechnical Engineer for the following cases: A) single-story open fabric shade structure, or B) covered walkway structure with an apex height less than 10'-0" above adjacent grade. These exempt structures shall be identified on the approved construction documents.

CONCRETE/MASONRY - EXEMPTIONS:
Concrete/Masonry: Eligible post-installed anchors | Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment – see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below.
Concrete: Batch plant inspection for items listed in and complying with CBC Section 1705A.3.3.2. | Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
Concrete: Epoxy shear dowels in nonstructural slab-on-grade per CBC Section 1910A.5.4, Exception #4. | Epoxy shear dowels in site flatwork and/or other nonstructural concrete.
Concrete/Masonry: Reinforcing bar testing for items listed in and complying with CBC Section 1910A.2. | Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section. These exempt structures shall be identified on the approved construction documents.
Masonry: Freestanding site walls and retaining walls per DSA IR 21-1. | Freestanding and site retaining masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1.
Eligible precast elements | Structural tests and special inspections are not required for the following concrete precast elements. Provide a certificate of compliance at delivery. Exemptions shall be identified on the approved construction documents. 1. Underground vaults no greater than 5 feet x 5 feet x unlimited height and pipe manufactured to an ASTM standard, 5 foot or less in diameter. 2. Elements manufactured in a PCI or NPCA certified manufacturing plant:

A. Underground vaults no greater than 16 feet in both length and width, of unlimited height, not subject to loading greater than HS 20-44.
B. Pipe.
C. Stair treads, landing planks.

WELDING - EXEMPTIONS:
Welding: Eligible fences and gates | Fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade.
Welding: Eligible railing and ramps | Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade; fillet welds shall not be ground flush.
Welding: Eligible interior cold-formed steel framing | Non-bearing non-shearwall interior cold-formed steel framing spanning less than 15'-0" in height and header less than 10'-0" in opening width, such as in interior partitions, interior soffits, etc.
Welding: Eligible equipment curbs | Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection.)
Welding: Eligible components supporting MEP distribution systems | Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection.)
Welding: Eligible mounts and recreational equipment | TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection.)
Welding: Eligible nonstructural components | Any support for exempt non-structural components given in CBC Section 1617A.1.18 meeting the following: A) when supported on a floor/roof, <400# or resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, and <20# for discrete units or <5 plf for distributed systems.