

# McNair Soccer Complex Phase - 2

## CITY OF STOCKTON CR16024

9820 Ronald E. McNair Way Stockton CA 95210



Consultant

City Approvals

Public Works Department

Approved by *[Signature]* Date *1/22/21*

City Engineer, Stockton, CA

Issue: 100% CDs W/ PLAN CHECK  
CORRECTIONS 9-20-2021

No.	Date	Description

Project

**McNair Soccer Complex Phase - 2**

9820 Ronald E. McNair Way  
Stockton CA 95210

Architect of Record	JH
Project Architect	JH
Drafted By	AP
Checked By	PN
File Date	

Sheet Title

**COVER SHEET**

Project Number  
CR16024

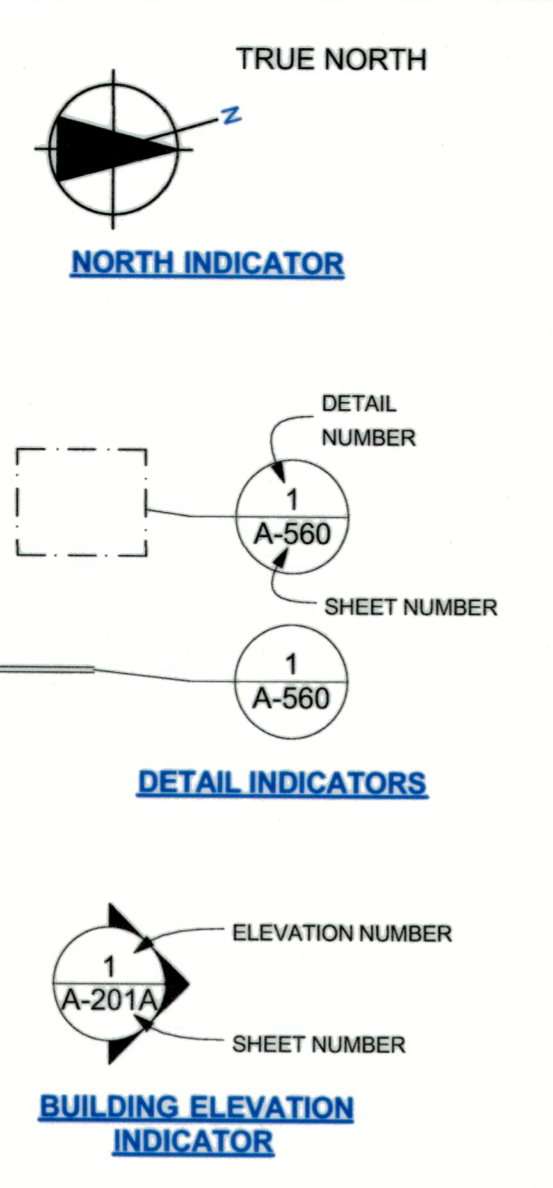
Reference North	Sheet Scale
	Sheet Number
	<b>G0.1</b>

5463C

### ABBREVIATIONS

<b>A</b> ABV ABOVE AB ANCHOR BOLT AB AGGREGATE BASE AD ACCESS DOOR ADD ADDITION ADDL ADDITIONAL ADJ ADJUST ADJ ADJACENT AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AG ABOVE GRADE ALT ALTERNATE APPD APPROVED APPROX APPROXIMATE ARCH ARCHITECT ARCHL ARCHITECTURAL ASPH ASPHALT	<b>B</b> BL BUILDING LINE BLDG BUILDING BLKG BLOCKING BFF BELOW FINISH FLOOR BO BOTTOM OF BOS BOTTOM OF STEEL BN BOUNDARY NAILING BP BASE PLATE BRG BEARING BTM BOTTOM	<b>C</b> CA CALIFORNIA CANTL CANTILEVERED CBA CONCRETE BONDING AGENT CBC CALIFORNIA BUILDING CODE CC CENTER TO CENTER CCR CA CODE OF REGULATIONS CD CONSTRUCTION DOCUMENT CEM CEMENT CFM CUBIC FEET PER MINUTE CL CENTER LINE CH CHANNEL CIP CAST IN PLACE CLG CEILING CLR CLEAR CMU CONCRETE MASONRY UNIT CO CLEAN OUT CO COUNTY COL COLUMN CONT CONTINUOUS CONTR CONTRACTOR CONC CONCRETE CJ CONTROL JOINT	<b>D</b> DBL DOUBLE DEMO DEMOLISH DIA DIAMETER DIM DIMENSION DL DEAD LOAD DN DOWN DO DO OVER (REPEAT) DR DOOR DWGS DRAWINGS	<b>E</b> (E) EXISTING EA EACH EF EACH FACE EJ EXPANSION JOINT EL ELEVATION ELEV ELEVATION ELECT ELECTRIC, ELECTRICAL EN EDGE NAILING EQ EQUAL EQUIP EQUIPMENT ES EDGE SCREWS EST ESTIMATE EW EACH WAY EXIST EXISTING EXT EXTERIOR	<b>F</b> FAB FABRICATE FDN FOUNDATION FND FOUNDATION FIN FINISH FL FLOOR (KEYNOTE) FLR FLOOR FLG FLOORING FN FIELD NAILING FP FULL PENETRATION WELD FRP FIBERGLASS REINFORCED PANEL FURN FURNACE	<b>G</b> GA GAUGE GALV GALVANIZED GC GENERAL CONTRACTOR GL GLASS GYP GYPSUM	<b>H</b> HDR HEADER HD HOLDDOWN HGT HEIGHT HOR HORIZONTAL HR HOUR HSS HOLLOW STRUCTURAL SECTION HT HEIGHT HTR HEATER HVAC HEATING, VENTING AND AIR CONDITIONING HW HOT WATER	<b>I</b> INCL INCLUSIVE, INCLUDING INSUL INSULATION INT INTERIOR	<b>J</b> JCT JUNCTION JST JOIST	<b>K</b> K KIPS KSI KIPS PER SQUARE INCH	<b>L</b> L ANGLE LFT LINEAR FEET LED LED LIGHTING LLV LONG LEG VERTICAL LSL LONG LEG VERTICAL LST LIGHTING LTG LIGHTING LVL LAMINATED VENEER LUMBER	<b>M</b> MANUF MANUFACTURE MAS MASONRY MATL MATERIAL MAX MAXIMUM MB MACHINE BOLT MECH MECHANICAL MECHL MECHANICAL MEP MECHANICAL, ELECTRICAL, PLUMBING MFG MANUFACTURING MFR MANUFACTURER MIN MINIMUM MTL METAL (STEEL)	<b>N</b> (N) NEW NCS NATIONAL CAD STANDARD NFC NOT FOR CONSTRUCTION NIC NOT IN CONTRACT NO NUMBER NTS NOT TO SCALE	<b>O</b> OC ON CENTER OD OUTSIDE DIAMETER OR OUTSIDE RADIUS OH OVERHEAD	<b>P</b> PAINT PART PARTITION PAV PAVEMENT PL PROPERTY LINE PLYWD PLYWOOD PSI POUND PER SQUARE INCH PSL PARALLAM PTD PAINTED PTDF PRESSURE TREATED DOUGLAS FIR PTHF PRESSURE TREATED HEM FIR PUE PUBLIC UTILITY EASEMENT PWR POWER	<b>Q</b> QTY QUANTITY	<b>R</b> RAD RADIUS RE REGISTERED ENGINEER REF REFERENCE REIN REINFORCED REV REVISION REQD REQUIRED RM ROOM	<b>S</b> SAN SANITARY SCHED SCHEDULE SDS SELF DRILLING SCREW SECT SECTION SF SQUARE FEET SGD SMOOTH, GREASED DOWEL SMS SHEET METAL SCREWS SHT SHEET SHT'G SHEATHING SIM SIMILAR SJI STEEL JOIST INSTITUTE SPECS SPECIFICATIONS SQ FT SQUARE FEET SQ IN SQUARE INCHES STD STANDARD STRUCT STRUCTURAL STL STEEL SYS SYSTEM	<b>T</b> TB THROUGH BOLT TBR TO BE REMOVED TC TENSION-CONTROL (BOLTS) TJI TRUSS JOIST MACMILLAN ("T" JOIST) TO TOP OF TOB TOP OF BEAM TOC TOP OF CURB TOF TOP OF FOOTING TOJ TOP OF JOIST TOP TOP OF PLYWOOD TOS TOP OF STEEL TOM TOP OF MASONRY TOW TOP OF WALL THK THICKNESS TYP TYPICAL	<b>U</b> UNF UNFINISHED UNO UNLESS NOTED	<b>V</b> VB VAPOR BARRIER VIF VERIFY IN FIELD VCT VINYL COMPOSITION TILE VWF VINYL WALL FABRIC	<b>W</b> W WITH WC TOILET WD WOOD WL WALL WT WEIGHT WPF WEAKENED PLANE JOIST WWF WELDED WIRE FABRIC
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### SYMBOL LEGEND



### AREA MAP



### PROJECT CONTACTS

**CLIENT**

**CITY OF STOCKTON**  
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**ARCHITECT**

**INDIGO | HAMMOND + PLAYE ARCHITECTS, LLP**  
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**STRUCTURAL ENGINEER**

**SIEGFRIED ENGINEERING**  
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**ELECTRICAL/DATA/TELECOM**

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email: mneils@mneilsengineering.com

### DEFERRED SUBMITTAL

SCOREBOARDS (TYP. OF 4) FURNISHED BY CITY AND INSTALLED BY CONTRACTOR.

- CONTRACTOR TO PROVIDE POSTS, FOUNDATIONS, ELECTRICAL & DATA CONNECTIONS, AND ALL REQUIRED TRENCHING, PATCHING & REPAIRING PER CONSTRUCTION DOCUMENTS.
- CONTRACTOR TO PROVIDE DEFERRED ENGINEERING AND SHOP DRAWINGS FOR ANY INSTALLATION REQUIREMENTS NOT ALREADY ADDRESSED IN THESE CONSTRUCTION DOCUMENTS.

### SPECIAL INSPECTION

SEE S1.1 FOR STATEMENT OF SPECIAL INSPECTION REQUIREMENTS.

### APPLICABLE CODES

CONSTRUCTION WILL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES AS AMENDED BY THE STATE OF CALIFORNIA AND LOCAL JURISDICTION.

2019 California Building Code (CBC)  
2019 California Electrical Code, California Code of Regulations Title 24, Part 3  
2019 California Fire Code  
2019 California Energy Code  
San Joaquin County Codes and Ordinances

CAD FILE: BIMcloud Basic for ARCHICAD 24/City of Stockton/Stockton McNair Soccer Stadium, 9/22/2021, 10:00 AM

**GENERAL NOTES**

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: CURENT CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS, INCLUSIVE OF ALL CURENT REVISIONS AND AMENDMENTS, CALIFORNIA DEPARTMENT OF TRANSPORTATION CURRENT STANDARD PLANS AND SPECIFICATIONS (CALTRANS), INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, AND CA-MUTCD LATEST EDITION, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS THERETO. WHERE THERE IS A CONFLICT BETWEEN THE PLANS AND THE CITY'S STANDARD SPECIFICATIONS AND PLANS, THE CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS SHALL PREVAIL. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE IMPROVEMENTS IN ACCORDANCE WITH THE ABOVE-MENTIONED STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE COMPLETE WORK SCOPE AND ALL RELATED CONDITIONS PRIOR TO BID. ANY QUESTIONS OR DISCREPANCIES WITH THE INFORMATION SHOWN HEREIN MUST BE DIRECTED TO THE ENGINEER PRIOR TO BID.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTIONS AND COMPLETION OF THE PROJECT AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY PERMITS AND/OR LICENSES ARE SECURED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF STOCKTON FOR ANY WORK DONE WITHIN CITY RIGHTS-OF-WAY OR ON CITY-OWNED FACILITIES WITHIN AN EASEMENT. CONTRACTOR SHALL CALL THE PERMIT CENTER AT (209) 937 - 8366 TO REQUEST A CONTROL NUMBER AND ACTIVATE THE PERMIT NO LESS THAN 24 HOURS, BUT NOT IN EXCESS OF 72 HOURS PRIOR TO START OF WORK.
- THE CONTRACTOR SHALL RECEIVE PRIOR APPROVAL FROM THE ENGINEER FOR ANY EXTRA WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER AT NO ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE ALL EXISTING AND NEWLY PLACED IMPROVEMENTS THAT ARE TO REMAIN. SUCH IMPROVEMENTS THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY AND SECURITY OF JOB SITE, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT DRAWINGS SHOWING THE FINAL LOCATION OF FINAL IMPROVEMENTS. AS-BUILT DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
- PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
- ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH SECTION 7 OF THE CITY OF STOCKTON STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKERS FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 5' OR MORE. EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATIONS PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR TRENCHES 8 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 7-1.02K(6)(b) OF THE CALTRANS STANDARDS, SECTION 6705 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.

- ATTENTION IS CALLED TO: SECTION 1541(b)(I) OF THE CONSTRUCTION SAFETY ORDERS (CALIFORNIA CODE OF REGULATIONS, TITLE 8), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, WHICH STATES: "THE APPROXIMATE LOCATION OF SUBSURFACE INSTALLATIONS, SUCH AS SEWER, TELEPHONE, FUEL, ELECTRIC, WATER LINES, OR ANY OTHER SUBSURFACE INSTALLATIONS THAT REASONABLY MAY BE EXPECTED TO BE ENCOUNTERED DURING EXCAVATION WORK, SHALL BE DETERMINED BY THE EXCAVATOR PRIOR TO OPENING AN EXCAVATION."
- PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE IN THE FIELD THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 227-2600.
- IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW OR MODIFIED STRUCTURES, UTILITIES AND SERVICES WITHIN THE PROJECT LIMITS.
- THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCHMARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY MONUMENTS, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERROR CAUSED BY HIS UNNECESSARY LOSS OR DISTURBANCE. THE CONTRACTOR SHALL CONSULT WITH A LICENSED LAND SURVEYOR OR CIVIL ENGINEER LICENSED TO PRACTICE LAND SURVEYING IN CALIFORNIA PRIOR TO BEGINNING CONSTRUCTION TO ENSURE THAT ANY PRECONSTRUCTION CORNER RECORDS, AS REQUIRED BY THE STATE OF CALIFORNIA PROFESSIONAL LAND SURVEYOR ACT HAVE BEEN FILED WITH THE COUNTY SURVEYOR, PURSUANT TO SECTION 8771(a-f) OF THE CALIFORNIA BUSINESS AND PROFESSION CODE.
- ALL WORK IN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE ENGINEER.
- PRIOR TO PLACEMENT OF ANY FINISH ASPHALT CONCRETE OR CONCRETE, THE CONTRACTOR SHALL VERIFY ALL FINISH GRADES AND SLOPES FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND OBTAIN APPROVAL AND ACCEPTANCE BY THE ENGINEER.
- THE CONTRACTOR SHALL LAYOUT IMPROVEMENTS FROM THE DIMENSIONS SHOWN ON THE PLANS. ANY CLARIFICATION OR CONFLICTS, DISCREPANCIES OR AMBIGUITIES SHALL BE DIRECTED TO THE ENGINEER PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS.
- DUST CONTROL SHALL BE PERFORMED AT ALL TIMES, AT THE CONTRACTORS' EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10-5 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF STOCKTON.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING WATER, SEWER, AND DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW IMPROVEMENTS ARE IN PLACE AND FUNCTIONING, EXCEPT WHERE OTHERWISE APPROVED.
- INGRESS AND EGRESS BY PROPERTY OWNERS, BUSINESSES, AND OTHERS SHALL BE PROVIDED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION UNLESS OTHERWISE APPROVED OR SPECIFIED.
- SIDEWALK REMOVAL SHALL BE TO THE NEAREST SCORE MARK OR AS DETERMINED BY THE ENGINEER. CONTRACTOR SHALL NEATLY SAW-CUT CONCRETE WHERE PULL BOXES ARE TO BE PLACED AND SHALL RESTORE THE SLAB TO MATCH THE EXISTING CONDITION.
- NEW SIDEWALK SHALL BE DOWELED INTO EXISTING SIDEWALK ACCORDING TO CITY STANDARD DRAWING NO. R-55.

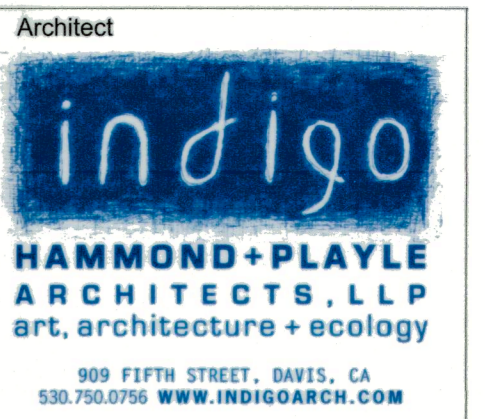
**TRAFFIC SIGNAL AND ELECTRICAL NOTES:**

- INSTALLATION OF NEW CONDUCTORS INTO EXISTING CONDUIT SHALL BE IN ACCORDANCE WITH SECTION 77-1.12 OF THE SPECIAL PROVISIONS. PRIOR TO INSTALLATION OF NEW CONDUCTORS/CABLES IN EXISTING CONDUITS, THE CONTRACTOR SHALL USE CABLE LOOSENER TO LOOSEN THE CONDUITS. THE CONTRACTOR SHALL ALSO USE PULLING LUBRICANT FOR PULLING WIRES, AND A PULL TAPE CONFORMING TO THE PROVISION DESCRIBED UNDER "CONDUIT", ELSEWHERE IN THE SPECIAL PROVISIONS.

- POLES, PULL BOXES, DETECTOR HANDHOLES, INDUCTIVE LOOPS AND CONTROLLER CABINET LOCATIONS SHALL BE LOCATED IN THE FIELD BY THE CONTRACTOR WITH THE APPROVAL OF THE CITY TRAFFIC ENGINEER. TYPICALLY, DETECTOR HANDHOLES SHOULD BE INSTALLED ON LANE LINES.
- CONTRACTOR SHALL MEET GENERAL ORDER (G.O.) 95 REQUIREMENTS AND LOCATE FOUNDATIONS SO AS TO PROVIDE A MINIMUM OF 6' RADIAL CLEARANCE FROM ALL EQUIPMENT TO OVERHEAD POWER LINES (PRIMARY) AND A MINIMUM OF 3' RADIAL CLEARANCE TO COMMON NEUTRAL LINES. SIGNAL POLES SHALL BE LOCATED TO PROVIDE A MINIMUM OF 10' RADIAL CLEARANCE TO PRIMARY LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH WORKING WITHIN THE 10' RADIAL CLEARANCE ZONE.
- CONDUIT ROUTING SHOWN IS DIAGRAMMATICALLY. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF UTILITIES OR ANY OTHER TRADES, AND TO THE SATISFACTION OF THE CITY OF STOCKTON. UPON COMPLETION OF CONDUIT INSTALLATION, THE ACTUAL LOCATION OF THE CONDUITS SHALL BE NOTED ON AN AS-BUILT SET OF PRINTS AND FURNISHED TO THE CITY.

**TRAFFIC STAGING NOTES:**

- THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC CONTROL DEVICES AT ALL TIMES.
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM VIEW WHEN NOT IN USE.
- THE ENGINEER HAS THE AUTHORITY TO INITIATE FIELD CHANGES AS NECESSARY IN THE INTEREST OF PUBLIC SAFETY.
- ROAD CLOSURES SHALL REQUIRE WRITTEN APPROVAL FROM THE ENGINEER.
- ALL NIGHT WORK WILL REQUIRE WRITTEN APPROVAL FROM THE ENGINEER. LANE CLOSURES, ROAD DETOURS, ROAD CLOSURES, AND TRAFFIC SIGNAL MODIFICATIONS ASSOCIATED WITH OVERNIGHT CONSTRUCTION ACTIVITIES WILL REQUIRE WARNING SIGNS BE PLACED AT LEAST ONE WEEK IN ADVANCE OF STARTING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY LIGHTING DURING THE COURSE OF ALL NIGHT WORK.
- ALL WORKERS SHALL BE EQUIPPED WITH AN ORANGE SAFETY VEST (OR REFLECTIVE VEST AT NIGHT).
- TRENCHES MUST BE BACKFILLED OR PLATED DURING NON-WORKING HOURS.
- REFER TO SECTION 12 OF THE SPECIAL PROVISIONS REGARDING TEMPORARY ACCESS ROUTES FOR PEDESTRIANS (INCLUDING ADA) AND BICYCLISTS.
- TEMPORARY "NO PARKING" SIGNS SHALL BE POSTED THREE (3) WORKING DAYS PRIOR TO COMMENCING WORK.
- ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHER ARRANGEMENTS ARE MADE. SIGNS ON ROADWAY SHALL NOT BLOCK DRIVEWAY.
- TRAFFIC CONTROL PLANS SHOWN HEREON ARE FOR GUIDANCE ONLY. CONTRACTOR SHALL PREPARE TRAFFIC CONTROL PLANS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. TO BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.



Consultant

City Approvals  
**Public Works Department**  
 Approved by: *[Signature]* Date: 11/21/21  
*[Signature]*  
 City Engineer, Stockton, CA

Issue: 100% CDs W/ PLAN CHECK CORRECTIONS 9-20-2021

No.	Date	Description

Project  
**McNair Soccer Complex Phase - 2**  
 9820 Ronald E. McNair Way  
 Stockton CA 95210

Architect of Record	JH
Project Architect	JH
Drafted By	AP
Checked By	PN
File Date	

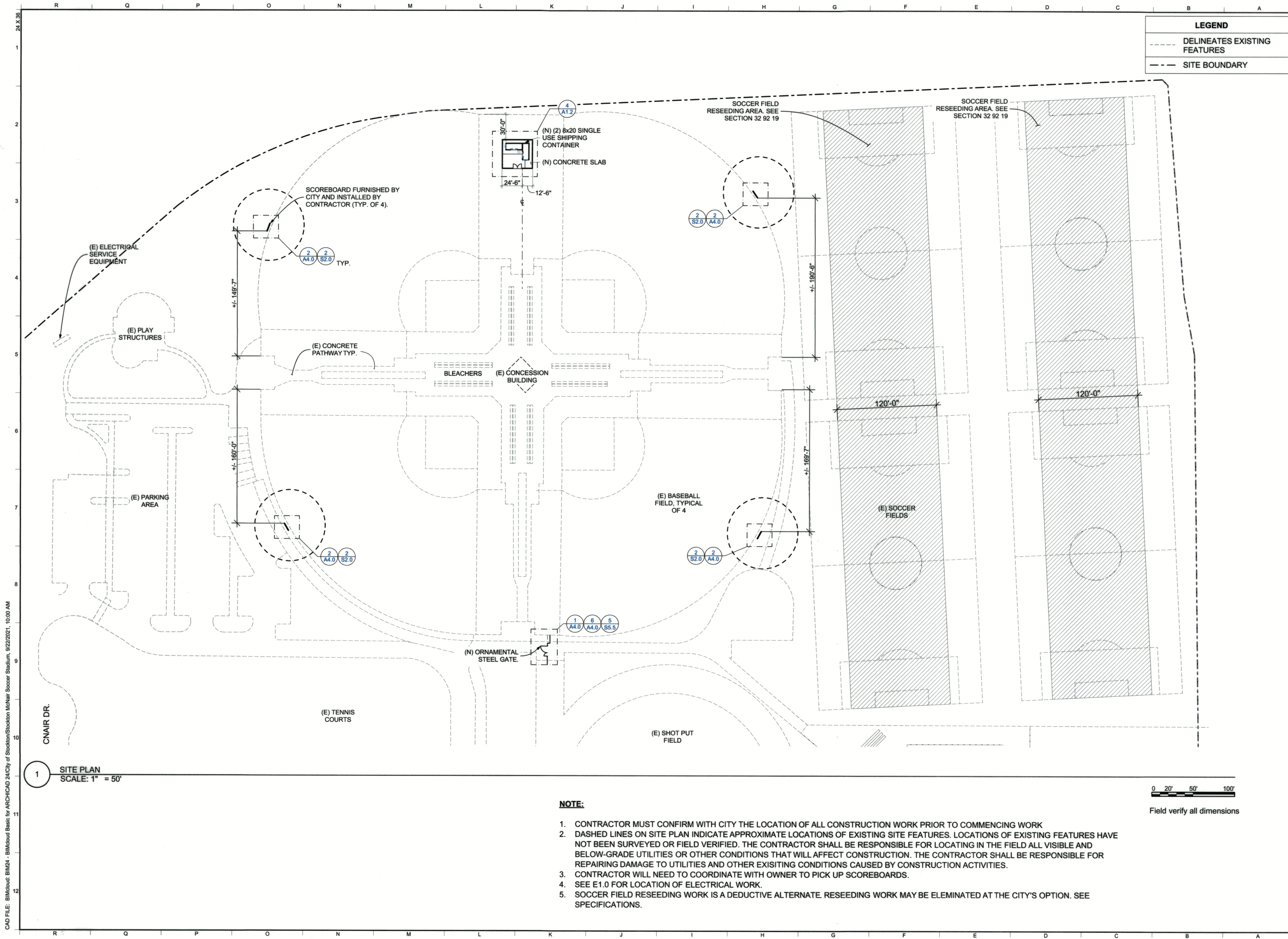
Sheet Title  
**GENERAL NOTES**

Project Number  
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Reference North	Sheet Scale
N	Sheet Number
	<b>G0.2</b>

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CAD FILE: BIMcloud BIM24 - BIMcloud Basic for ARCHICAD 24/City of Stockton/McNair Soccer Stadium, 9/22/2021, 10:00 AM



LEGEND	
---	DELINEATES EXISTING FEATURES
---	SITE BOUNDARY

Architect  
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**HAMMOND+PLAYLE**  
 ARCHITECTS . LLP  
 art, architecture + ecology  
 909 FIFTH STREET, DAVIS, CA  
 530.750.0756 WWW.INDIGOARCH.COM



Consultant

City Approvals  
**Public Works Department**  
 Approved by *[Signature]* / 11/2/21  
 Date  
 City Engineer, Stockton, CA

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Sheet Title

**SITE PLAN**

Project Number  
 CR16024

Reference North	Sheet Scale
N	Sheet Number
	<b>A0.1</b>

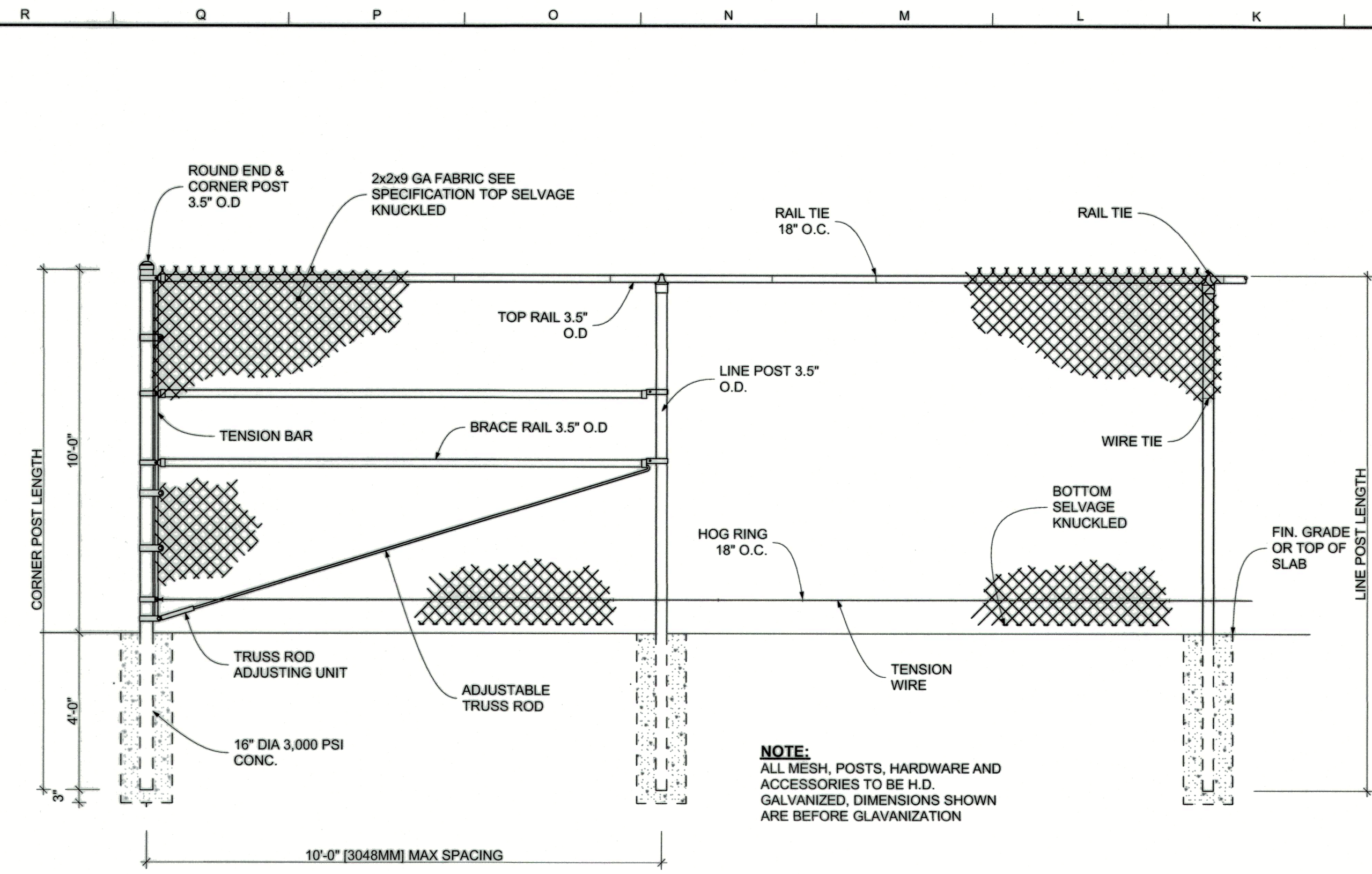
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CAD FILE: BIMcloud Basic for ARCHICAD 24/City of Stockton/Stockton McNair Soccer Stadium, 9/22/2021, 10:00 AM

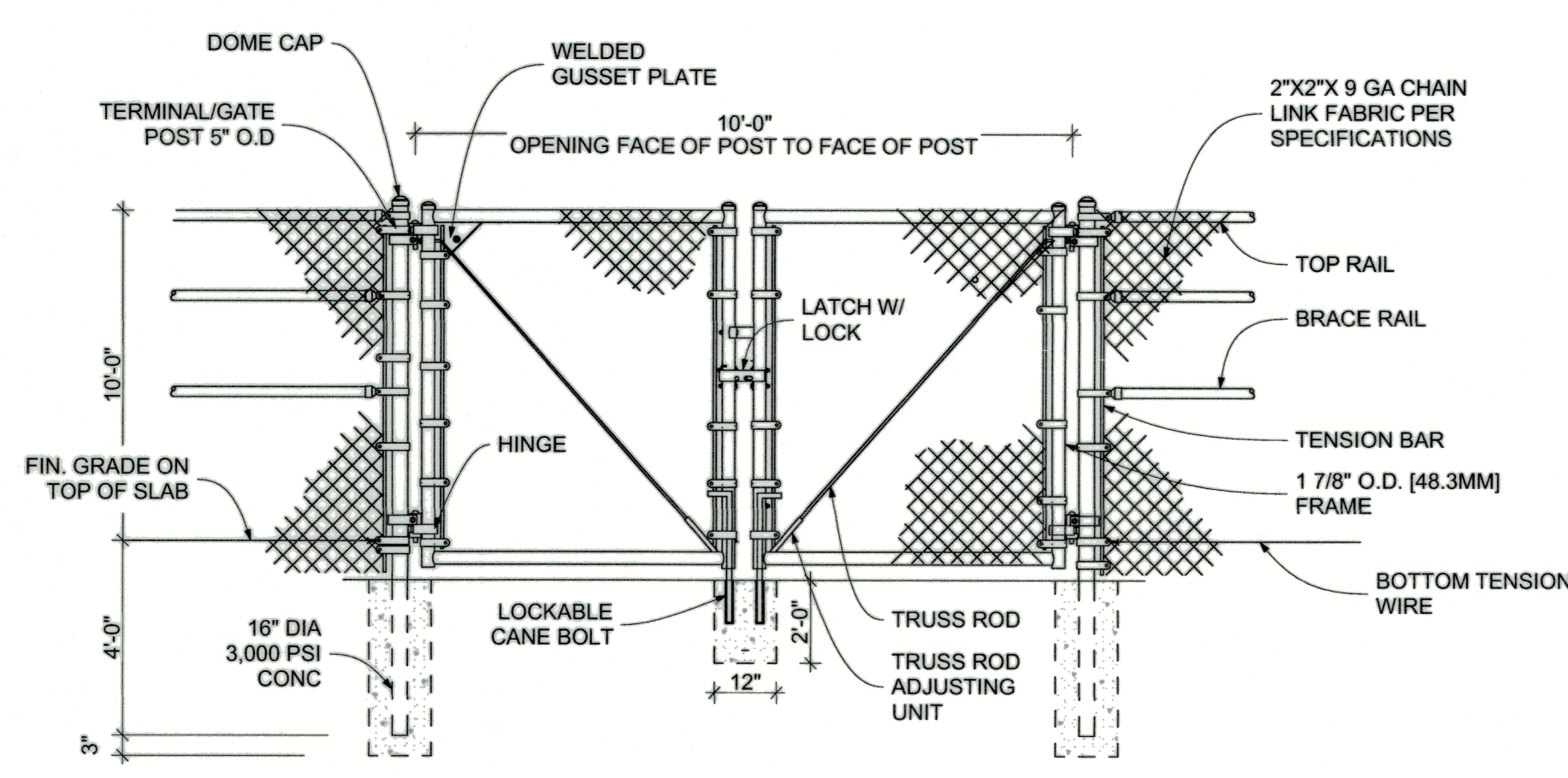
1 SITE PLAN  
 SCALE: 1" = 50'

**NOTE:**

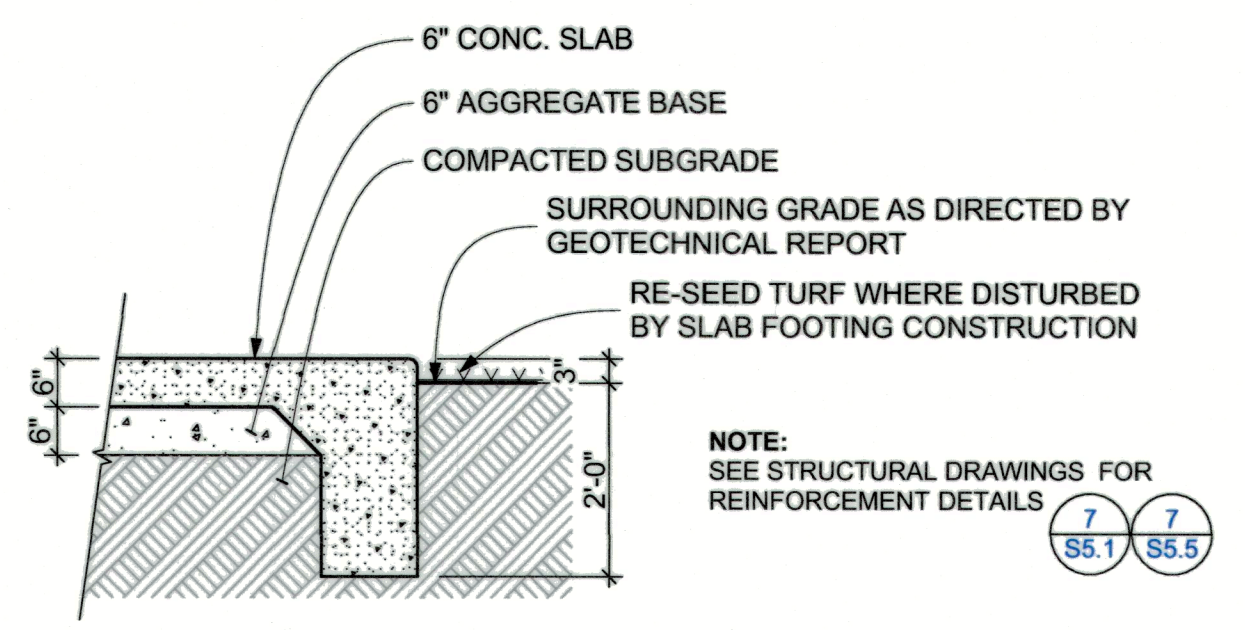
1. CONTRACTOR MUST CONFIRM WITH CITY THE LOCATION OF ALL CONSTRUCTION WORK PRIOR TO COMMENCING WORK
2. DASHED LINES ON SITE PLAN INDICATE APPROXIMATE LOCATIONS OF EXISTING SITE FEATURES. LOCATIONS OF EXISTING FEATURES HAVE NOT BEEN SURVEYED OR FIELD VERIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING IN THE FIELD ALL VISIBLE AND BELOW-GRADE UTILITIES OR OTHER CONDITIONS THAT WILL AFFECT CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE TO UTILITIES AND OTHER EXISTING CONDITIONS CAUSED BY CONSTRUCTION ACTIVITIES.
3. CONTRACTOR WILL NEED TO COORDINATE WITH OWNER TO PICK UP SCOREBOARDS.
4. SEE E1.0 FOR LOCATION OF ELECTRICAL WORK.
5. SOCCER FIELD RESEEDING WORK IS A DEDUCTIVE ALTERNATE. RESEEDING WORK MAY BE ELEMENATED AT THE CITY'S OPTION. SEE SPECIFICATIONS.



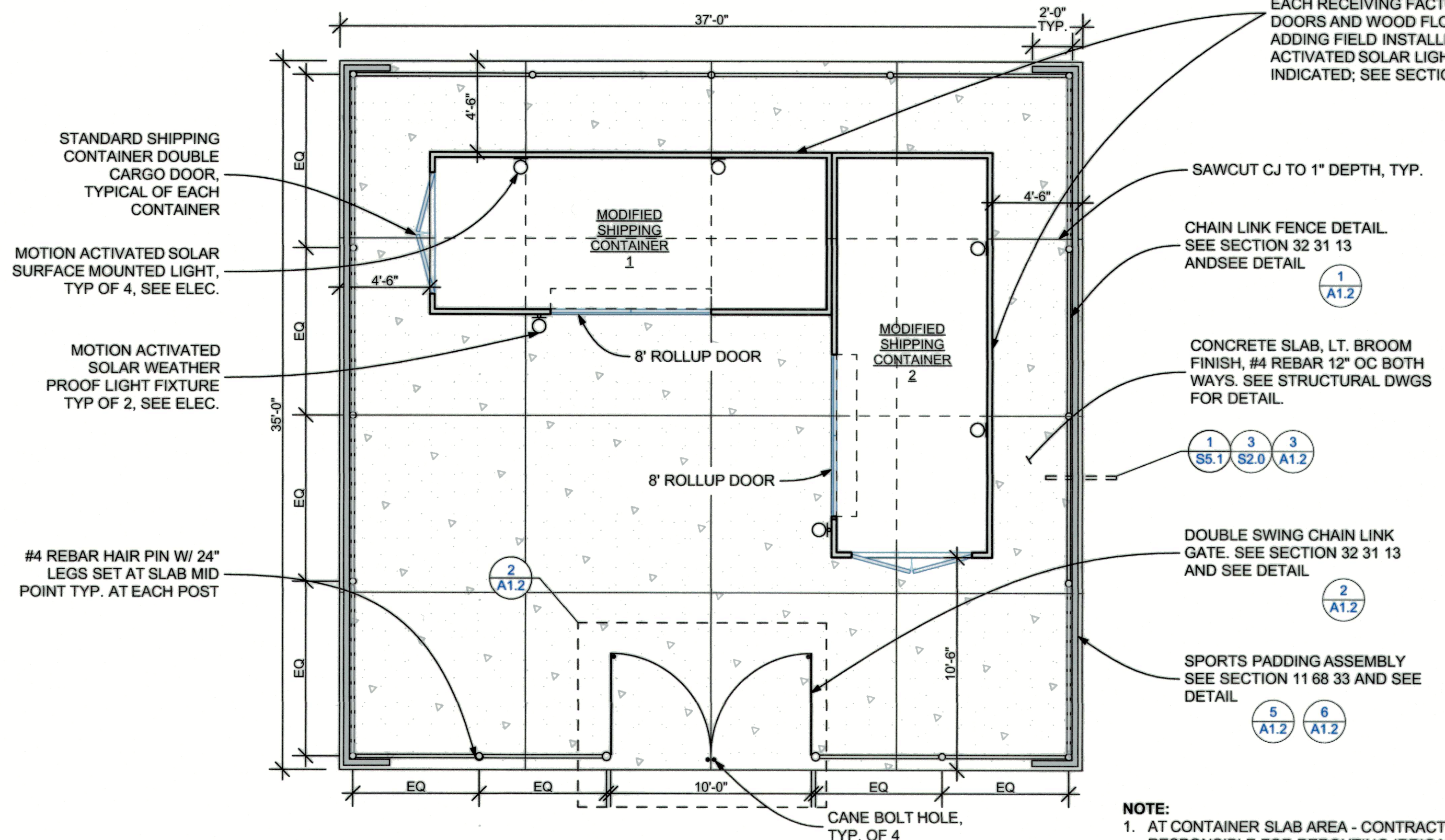
**1** TYPICAL FENCE ELEVATION/SECTION  
NOT TO SCALE TOP RAIL/TRUSSED BRACE RAIL BOTTOM TENSION WIRE



**2** TYPICAL DOUBLE SWING GATE ELEVATION/SECTION  
NOT TO SCALE TOP RAIL/TRUSSED BRACE RAIL BOTTOM TENSION WIRE

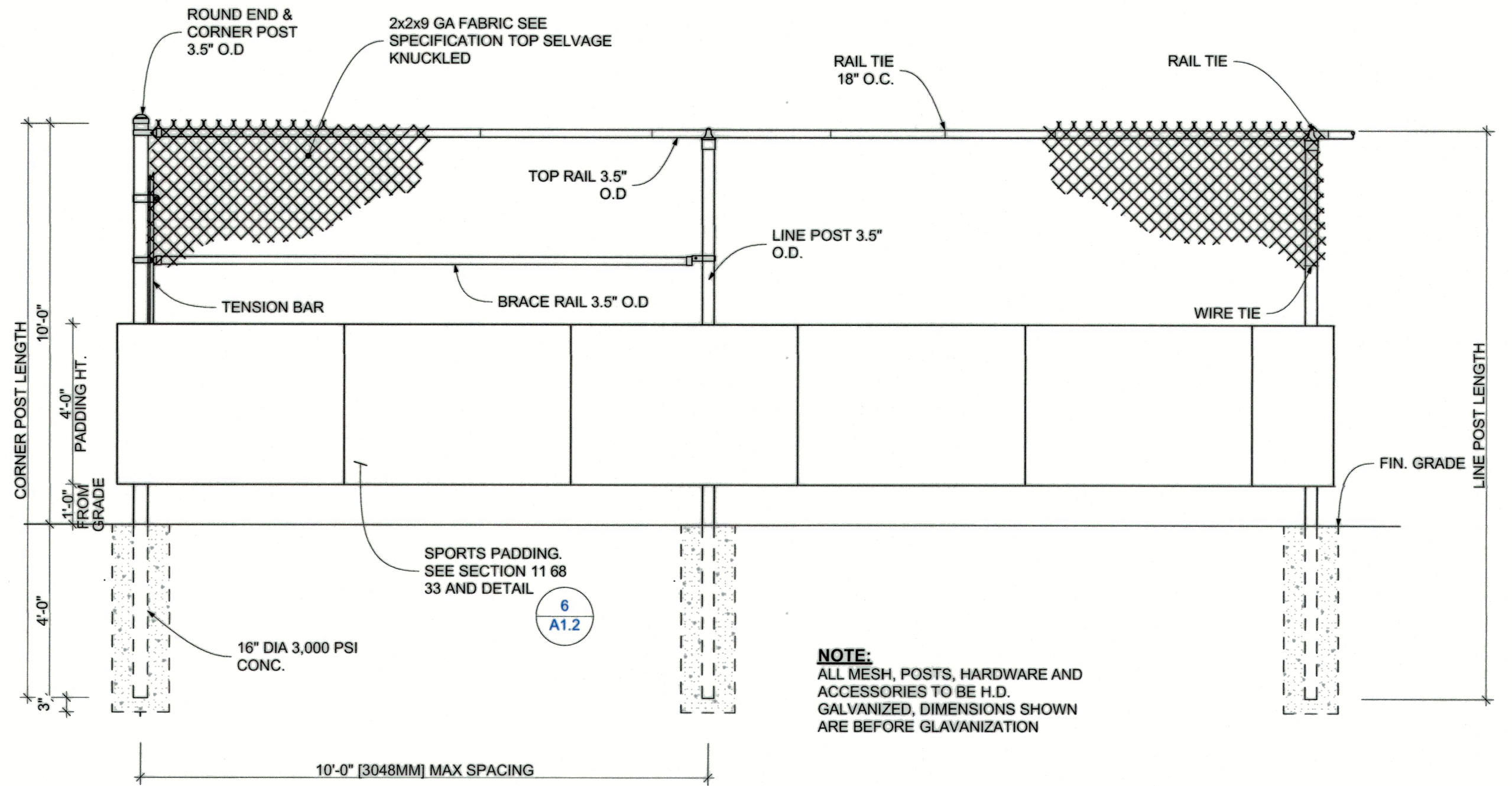


**3** SLAB EDGE DETAIL  
NOT TO SCALE

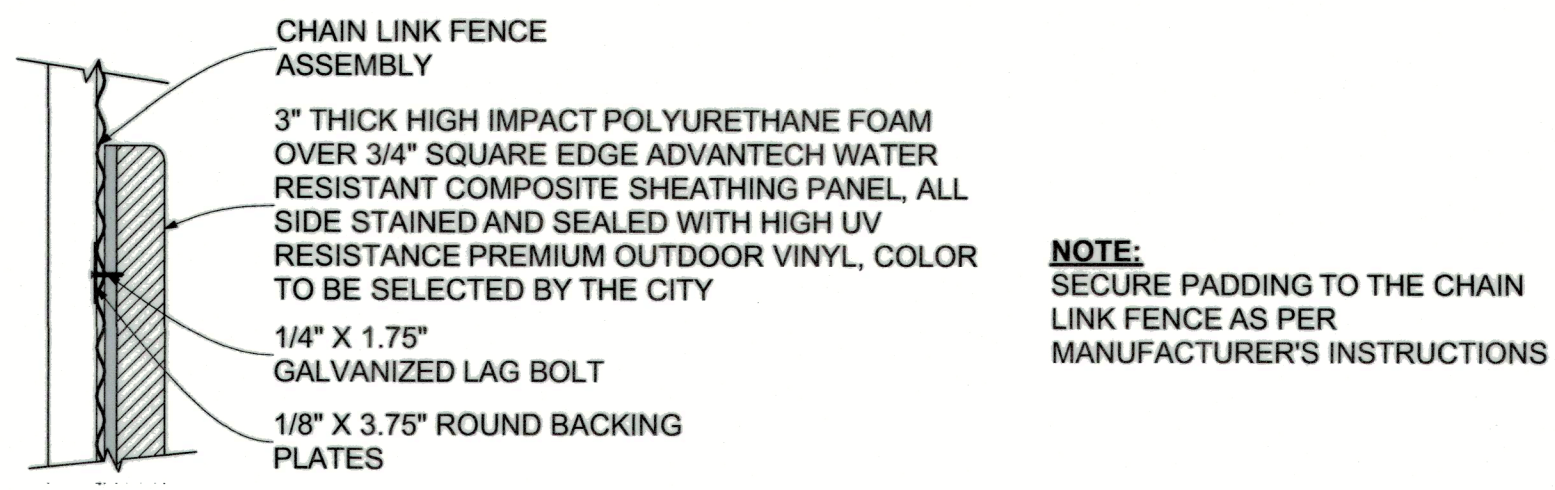


**4** CONTAINER LAYOUT PLAN  
SCALE: 1" = 5'

- NOTE:**
- AT CONTAINER SLAB AREA - CONTRACTOR SHALL RESPONSIBLE FOR REROUTING IRRIGATION LINES THAT RUN UNDER STORAGE AREA AND ADDING OR SUBTRACTING SPRINKLER HEADS AS REQUIRED TO ACHIEVE FULL COVERAGE OF TURF AREA.
  - NO NEW OR EXISTING IRRIGATION PIPES SHALL RUN UNDER THE SLAB.
  - RESEED TURF DAMAGED BY CONSTRUCTION OF SLAB AS DIRECTED BY CITY.
  - SLOPE SLAB 1% AS DIRECTED BY CITY ENGINEER.



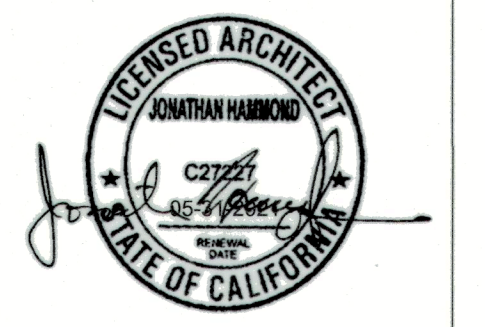
**5** TYPICAL FENCE ELEVATION W/ SPORTS PADDING  
NOT TO SCALE



**6** SPORTS PADDING OVER CHAINLINK FENCE DETAIL  
NOT TO SCALE TOP RAIL/TRUSSED BRACE RAIL BOTTOM TENSION WIRE

PROVIDE (2) 8X20 MODIFIED SINGLE USE SHIPPING CONTAINERS W/ BUILT-IN CARGO DOORS ONE SIDE; EACH RECEIVING FACTORY ROLLUP DOORS AND WOOD FLOORING; 8 ADDING FIELD INSTALLED MOTION ACTIVATED SOLAR LIGHTING AS INDICATED; SEE SECTION 11 68 31

Architect  
**indigo**  
**HAMMOND+PLAYLE**  
ARCHITECTS, LLP  
art, architecture + ecology  
909 FIFTH STREET, DAVIS, CA  
530.750.0756 WWW.INDIGOARCH.COM



Consultant

City Approvals

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Approved by *[Signature]* Date *11/2/21*  
*[Signature]*  
City Engineer, Stockton, CA

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Architect of Record: JH  
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Drafted By: AP  
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Sheet Title

**ENLARGED PLAN & FENCE DETAIL**

Project Number  
CR16024

Reference North

Sheet Scale

Sheet Number  
**A1.2**

5463.3C

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SECTION	DESCRIPTION	INSPECTION TYPE	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
7	WELDING PER AWS D1.1.					
(a)	FILLER MATERIAL PER AWS D1.1, MINIMUM CHARPY V-NOTCH TOUGHNESS 20 FT-LBS AT 20 DEGREES F AS FOLLOWS: i. SMAW-E7018 ii. FCAW-E70T-X LH iii. GMAW-E70S-X LH iv. SAW-F71-EL12 LH					
(a)	WELD METAL: i. FILLET WELDS AND PARTIAL JOINT PENETRATION GROOVE WELDS IN MATERIAL LESS THAN 1 1/2" THICK. MINIMUM CHARPY V-NOTCH TOUGHNESS. NO REQUIREMENT. ii. COMPLETE JOINT PENETRATION GROOVE AND PARTIAL JOINT PENETRATION GROOVE WELDS IN MATERIAL 1 1/2" THICK AND THICKER. MINIMUM CHARPY V-NOTCH TOUGHNESS 20 FT-LBS AT 0 DEGREES F, AND 40 FT-LB AT 70 DEGREES F.					
(a)	PAINT: PER ARCHITECTURAL SURFACE. PAINT PRIMER SSPC-PAINT 23 TO BE APPLIED OVER STEEL SURFACES WITH A MINIMUM SURFACE CLEANLINESS OF SSPC-SP6.					
9	GALVANIZING REQUIRED WHERE NOTED ON THE PLANS OR AT STRUCTURAL STEEL PERMANENTLY EXPOSED TO WEATHER UNLESS OWNER AND ENGINEER APPROVE AN ALTERNATE METHOD OF STEEL PROTECTION. (a) STRUCTURAL SHAPES, PLATE AND BAR: ASTM A133. (b) HARDWARE: ASTM A153. THE PURCHASE OF GALVANIZED NUTS AND BOLTS SHALL BE FROM THE SAME SUPPLIER WITH THE NUTS LUBRICATED AND TESTED WITH THE SUPPLIED BOLTS. NUTS SHALL BE OVER-TAPPED AFTER GALVANIZING IN ACCORDANCE WITH ANSI B 18.2.2 BOLT THREADS SHALL NOT BE RE-CUT AFTER GALVANIZING. NUTS AND BOLTS SHALL BE SHIPPED TOGETHER IN THE SAME SHIPPING CONTAINER. REPAIR OF THE DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS SHALL BE IN ACCORDANCE WITH ASTM A780. 10) STAINLESS STEEL REQUIRED WHERE NOTED ON THE PLANS. (a) SHAPES AND BAR: ASTM A276 TYPE 304 OR 316 ROCKWELL B HARDNESS 80 MIN. (b) PLATE: ASTM A240 TYPE 304 OR 316 ROCKWELL B HARDNESS OF 80 MINIMUM. (c) WELDING: PER AWS D1.6, FILLER MATERIAL AS FOLLOWS: i. TYPE 304 - E308-XX/ER308-XX ii. TYPE 316 - E316-XX/ER316-XX (a) BOLTS AND NUTS: ASTM F593 GROUP 2 ROCKWELL B HARDNESS 85 MINIMUM.					
C.	FABRICATION: 1) WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS ONLY IN AN AWS APPROVED WELD SHOP. 2) SHOP FABRICATION TO THE GREATER POSSIBLE EXTENT. 3) SHOP PRIME ALL STEEL EXCEPT GALVANIZED STEEL. DO NOT PRIME SURFACES TO BE WELDED OR WHICH WILL BE PLACED INTO OR COVERED WITH CONCRETE. 4) BOLT HOLES TO BE DRILLED MAXIMUM 1/16 INCH LARGER THAN BOLT DIAMETER UNLESS OTHERWISE NOTED ON PLANS. D. SHOP DRAWINGS: 1) SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND ARCHITECT FOR ALL STRUCTURAL STEEL MEMBERS. 2) CONTRACTOR TO COORDINATE SHOP DRAWINGS WITH ALL TRADES.					
E.	TESTING AND INSPECTION: 1) STRUCTURAL STEEL: SUBMIT MILL REPORTS AS PER AISC SPECIFICATIONS. 2) HIGH-STRENGTH NUTS BOLTS AN WASHERS: PROVIDE WRITTEN MILL CERTIFICATES. 3) ALL FIELD WELDING SHALL BE BY A CERTIFIED WELDER AND INSPECTED BY AN APPROVED WELDING INSPECTOR. 4) HIGH-STRENGTH BOLTS NOTED AS TENSION-CONTROL (TC) ON PLANS SHALL BE INSPECTED BY A QUALIFIED INSPECTOR APPROVED BY THE ENGINEER.					
8.	STATEMENT OF SPECIAL INSPECTION A. GENERAL: 1) USE OF THESE CONSTRUCTION DRAWINGS REQUIRES COMPLIANCE WITH SPECIAL INSPECTION PROGRAM AS OUTLINED IN THE CONSTRUCTION DOCUMENTS. FURTHER THE CONTRACTOR AND/OR OWNER MUST COMPLY WITH THE WITH ANY AND ALL SPECIAL INSPECTION REQUIREMENTS OF THE BUILDING OFFICIAL. 2) SPECIAL INSPECTIONS PER CBC CHAPTER 17 ARE REQUIRED FOR THIS PROJECT, THE FOLLOWING IS A STATEMENT OF SPECIAL INSPECTIONS: 8.1) THE OWNER OR OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY SPECIAL INSPECTION AND TESTING AGENCIES TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS. 8.2) SPECIAL INSPECTION SHALL BE PERFORMED IN ADDITION TO INSPECTION BY THE BUILDING OFFICIAL AS REQUIRED IN SECTION 110 OF THE BUILDING CODE. SPECIAL INSPECTION SHALL NOT BE A SUBSTITUTE FOR INSPECTION BY THE BUILDING OFFICIAL. 8.3) WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION OR TESTING IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE OBSERVED IN ACCORDANCE WITH THE STATEMENT OF SPECIAL INSPECTIONS AND SECTION 1704 OF THE BUILDING CODE, IT SHALL BE THE SPECIAL INSPECTION AGENCY'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT THE REQUIRED WORK IS INSPECTED. 8.4) THE SPECIAL INSPECTION AGENCY SHALL BE APPROVED BY THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. 8.5) THE CONSTRUCTION MATERIALS TESTING AGENCY SHALL BE APPROVED BY THE BUILDING OFFICIAL FOR THE TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND EQUIPMENT. 8.6) WORK REQUIRING SPECIAL INSPECTION OR TESTING THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL IS SUBJECT TO REMOVAL OR EXPOSURE AT THE CONTRACTOR'S EXPENSE. 8.7) THE SPECIAL INSPECTION AGENCY SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. 8.8) SPECIAL INSPECTION REPORTS SHALL INDICATE WHETHER THE WORK INSPECTED WAS, OR WAS NOT PERFORMED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. 8.9) THE CONSTRUCTION MATERIALS TESTING AGENCY SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. 8.10) MATERIAL TESTING REPORTS SHALL INDICATE WHETHER THE TESTED MATERIALS CONFORM, OR DO NOT CONFORM, TO THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS. 8.11) DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK. 8.12) A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS, MATERIAL TESTING AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON, PRIOR TO THE START OF WORK, BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL. 8.13) SPECIAL INSPECTION AND TESTING IS REQUIRED FOR THE OFF-SITE FABRICATION OF STRUCTURAL STEEL AND REINFORCING ASSEMBLIES, UNLESS THE FABRICATOR MEETS THE EXCEPTIONS OF CBC SECTION 1704.2.5. 8.14) STRUCTURAL OBSERVATIONS BY THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL BE NECESSARY FOR STRUCTURES ASSIGNED TO RISK CATEGORY III OR IV, SDC E OR F, OR FOR ANY BUILDING GREATER THAN 75 FEET FROM FINISHED GRADE. CONTACT SEOR TO SCHEDULE OBSERVATIONS FOR THE FOLLOWING WHERE REQUIRED: (a) AFTER REBAR PLACEMENT, BEFORE POURING FOUNDATIONS. (b) AFTER REBAR PLACEMENT, BEFORE CLOSING CONCRETE SHEAR WALL FORMS. (c) AFTER REBAR PLACEMENT, BEFORE CLOSING CONCRETE MOMENT FRAME FORMS. (d) AFTER REBAR PLACEMENT, BEFORE GROUTING MASONRY SHEAR WALLS. (e) AFTER ERECTION OF STEEL BRACED FRAMES, BEFORE BRACE IS HIDDEN BY OTHER CONSTRUCTION. (f) AFTER ERECTION OF STEEL MOMENT FRAMES, BEFORE FRAME IS HIDDEN BY OTHER CONSTRUCTION. 8.15) ADDITIONAL SUBMITTALS MAY BE REQUIRED BY THE CONTRACTOR TO THE BUILDING OFFICIAL AS OUTLINED IN CBC SECTIONS 1704.4 AND 1704.5 REGARDING COMPLIANCE WITH SPECIAL INSPECTION PROCEDURES. 8.16) WHERE PERIODIC SPECIAL INSPECTION IS REQUIRED, THE INSPECTOR SHALL BE INTERMITTENTLY PRESENT WHERE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED (NOT CONTINUOUS). 8.17) WHERE CONTINUOUS SPECIAL INSPECTION IS REQUIRED, FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION, BY INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. B. SOILS: 1) SPECIAL INSPECTIONS AND TESTS OF EXISTING SITE SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING CAPACITIES SHALL BE IN ACCORDANCE WITH CBC SECTION 1705.6 AND TABLE 1705.6. THE APPROVED GEOTECHNICAL REPORT AND CONSTRUCTION DOCUMENTS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL(S) SHALL BE USED TO DETERMINE COMPLIANCE. 2) IT IS ASSUMED THAT GEOTECHNICAL INSPECTIONS SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER OF RECORD, OR HIS OR HER QUALIFIED REPRESENTATIVE. CONSTRUCTION OF FOUNDATION, SLAB ON GRADE, PAVEMENT, ETC. SHALL BE IN SUBSTANTIAL CONFORMANCE WITH GEOTECHNICAL REPORT RECOMMENDATIONS. 3) A GEOTECHNICAL INSPECTION REPORT, SIGNED, STAMPED AND DATED BY THE GEOTECHNICAL ENGINEER OF RECORD, SHALL BE SUBMITTED TO AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION OR THE PLACEMENT OF FOUNDATION CONCRETE. THE REPORT SHALL STATE THAT: a. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. b. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED. c. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE GEOTECHNICAL REPORT. C. CONCRETE: 1) SPECIAL INSPECTIONS AND TEST OF CONCRETE CONSTRUCTION SHALL BE PER CBC SECTION 1705.3 AND TABLE 1705.3. 2) SPECIAL INSPECTION SHALL BE PRESENT DURING TAKING OF TEST SPECIMENS AND PLACING OF REINFORCED CONCRETE. 3) SPECIAL INSPECTION NEED NOT BE PRESENT CONTINUOUSLY DURING THE PLACING OF REINFORCING STEEL AND PRESTRESSING TENDONS, PROVIDED THE SPECIAL INSPECTOR HAS INSPECTED FOR CONFORMANCE TO THE APPROVED PLANS PRIOR TO THE CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE JOBSITE. D. STRUCTURAL STEEL: 1) SPECIAL INSPECTIONS OF STEEL CONSTRUCTION SHALL BE PER CBC SECTION 1705.2, CBC TABLE 1705A.2, AND CBC SECTION 12.2. 2) STRUCTURAL STEEL SPECIAL INSPECTIONS AND NON-DESTRUCTIVE TESTING SHALL BE PER AISC 360 CHAPTER N, AISC 341 CHAPTER J, AISC 358. 3) COLD-FORMED STEEL DECK SHALL HAVE SPECIAL INSPECTIONS IN ACCORDANCE WITH QA INSPECTION REQUIREMENTS OF SDI QA/QC. 4) OPEN-WEB JOISTS SHALL HAVE SPECIAL INSPECTIONS PER CBC SECTION 1705.2.3 AND TABLE 1705.2.3. 5) NON-STRUCTURAL COMPONENTS SHALL BE INSPECTED PER CBC SECTION 1705.13.2. 6) STRUCTURAL WELDING SHALL BE INSPECTED PER CBC TABLE 1705A.2.1. 7) THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING THE WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, QUALIFICATIONS OF WELDING PROCEDURES, AND WELDERS ARE VERIFIED PRIOR TO THE START OF WORK. PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS. VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING. E. MASONRY: SPECIAL INSPECTIONS AND TESTS OF MASONRY ELEMENTS SHALL BE IN ACCORDANCE WITH TMS 402/602 TABLE 3 AND TABLE 4 LEVEL 3 QUALITY ASSURANCE REQUIREMENTS. F. WOOD: SPECIAL INSPECTIONS OF WOOD STRUCTURAL ELEMENTS SHALL BE IN ACCORDANCE WITH CBC SECTIONS 1705.5, 1705.11.1 AND 1705.12.2. 1) SPECIAL INSPECTION OF PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2.5. 2) HIGH LOAD DIAPHRAGMS PER CBC SECTION 1705.5.1. 3) METAL PLATE CONNECTED WOOD TRUSSES PER CBC SECTION 1705.5.2. 4) MANUFACTURE RED TRUSSES PER CBC SECTION 1705.5.3. 5) STRUCTURAL GLULAM TIMBER PER CBC SECTION 1705.5.4. 6) MANUFACTURED OPEN WEB TRUSSES PER CBC SECTION 1705.5.5. G. DRIVEN DEEP FOUNDATIONS: SPECIAL INSPECTIONS AND TESTS SHALL BE PER CBC SECTION 1705.7 AND CBC TABLE 1705.7, AND MEET REQUIREMENTS OF APPROVED GEOTECHNICAL REPORT. H. CAST-IN-PLACE DEEP FOUNDATIONS: SPECIAL INSPECTIONS AND TESTS SHALL BE PER CBC SECTION 1705.8 AND TABLE 1705.8, AND MEET REQUIREMENTS OF APPROVED GEOTECHNICAL REPORT. I. HELICAL PILE FOUNDATIONS: SPECIAL INSPECTIONS AND TESTS SHALL BE PER CBC SECTION 1705.9 AND MEET REQUIREMENTS OF APPROVED GEOTECHNICAL REPORT. J. COLD-FORMED STEEL: PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WELDING OPERATIONS, SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF THE SEISMIC FORCE RESISTING SYSTEM PER CBC SECTIONS 1705.11.2 AND 1705.12.3. K. ARCHITECTURAL COMPONENTS: PERIODIC SPECIAL INSPECTION IS REQUIRED FOR THE ERECTION AND FASTENING OF EXTERIOR CLADDING, INTERIOR AND EXTERIOR NON-BEARING WALLS AND INTERIOR AND EXTERIOR VENEER, AND ACCESS FLOORS PER CBC SECTION 1705.12.5. L. MECHANICAL COMPONENTS: PERIODIC SPECIAL INSPECTION OF PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS SHALL BE REQUIRED FOR ANCHORAGE AND BRACING PER CBC SECTION 1705.12.6. M. STORAGE RACKS: PERIODIC SPECIAL INSPECTION IS REQUIRED FOR ANCHORAGE OF STORAGE RACKS THAT ARE 8 FEET OR GREATER IN HEIGHT PER CBC SECTION 1705.12.7. N. SPRAYED FIRE-RESISTANT MATERIALS: SPECIAL INSPECTIONS AND TESTS OF SPRAYED FIRE-RESISTANT MATERIALS APPLIED TO FLOOR, ROOF, WALL ASSEMBLIES, AND STRUCTURAL MEMBERS SHALL BE PERFORMED PER CBC SECTION 1705.14. O. SHOTCRETE: ALL SHOTCRETE WORK SHALL BE CONTINUOUSLY INSPECTED DURING PLACING BY AN APPROVED AGENCY PER CBC SECTION 1705.19.					

9. CBC 2019 (TABLE 1705.6 - SOILS SPECIAL INSPECTION)

TYPE	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	—	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	—	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	—	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	—
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	—	X

10. CBC 2019 (TABLE 1705.3 - CONCRETE SPECIAL INSPECTION)

TYPE	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	—	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706. B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" AND C. INSPECT ALL OTHER WELDS	—	X	AWS D1.4 ACI 318: 26.5.4	—
3. INSPECT ANCHORS CAST IN CONCRETE	X	—	ACI 318: 17.6.2	—
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS A. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	—	X	ACI 318: 17.6.2.4	—
5. VERIFY USE OF REQUIRED DESIGN MIX	—	X	ACI 318 Ch. 19: 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	—	ASTM C172 ASTM C31 ACI 318: 26.5, 28.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	—	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	X	ACI 318: 26.5.3, 26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES; AND B. GROUTING OF BONDED PRESTRESSING TENDONS	X	—	ACI 318: 26.10	—
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	—	X	ACI 318: 26.9	—
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	—	X	ACI 318: 26.11.2	—
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	X	ACI 318: 26.11.2(b)	—

11. CBC 2019 (TABLE 1705A.2.1 - STEEL SPECIAL INSPECTION)

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	X	RSCC: 1.5 AISC360: A3.3, A3.1 AND APPLICABLE ASTM MATERIAL STANDARDS	2202A.1, [DSA-SSCC] 2202.1
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	X	RSCC: 1.5 & 2.1; AISC360: A3.3 & N3.2	—
C. TESTING OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS.	—	—	RSCC: 7.2 APPLICABLE ASTM MATERIAL STANDARDS	2213A.1, [DSA-SSCC] 2213.1
D. TESTING OF UNIDENTIFIED STEEL.	—	—	APPLICABLE ASTM MATERIAL STANDARDS	2202A.1, [DSA-SSCC] 2202.1
E. IDENTIFICATION MARKINGS TO CONFORM TO AISC360.	—	X	AISC360: A3.1	2202A.1, [DSA-SSCC] 2202.1
F. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	X	APPLICABLE ASTM MATERIAL STANDARDS	2202A.1, [DSA-SSCC] 2202.1
G. MANUFACTURER'S CERTIFIED TEST REPORTS.	—	X	AISC360: A3.1 & N3.2	2202A.1, [DSA-SSCC] 2202.1
H. TESTING OF UNIDENTIFIED STEEL.	—	—	APPLICABLE ASTM MATERIAL STANDARDS	2202A.1, [DSA-SSCC] 2202.1
I. IDENTIFICATION MARKINGS TO CONFORM TO AISC360, A3.5 & N3.2 AND APPLICABLE AISC DOCUMENTS.	—	X	AISC360: A3.5 & N3.2	—
J. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	X	AISC360: N3.2	—
K. NONDESTRUCTIVE TESTING OF WELDED JOINTS.	—	—	AISC360: N5.5	—

12. CBC 2019 (TABLE 1705.8 - DEEP FOUNDATION - CIP)

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	—
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS. CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ACCURATE EMBEDEDMENT STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	—
3. FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.	—	—

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DATE SIGNED: 10/01/21

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City Approvals  
Public Works Department  
Approved by: [Signature]  
Date: [Signature]  
City Engineer, Stockton, CA

Issue: 100% CDs W/ PLAN CHECK CORRECTIONS 9-20-2021

No.	Date	Description

Project  
**McNair Soccer Complex Phase - 2**  
9550 Ronald E. McNair Way Stockton CA 95210

Architect of Record	JH
Project Architect	JH
Drafted By	ATL
Checked By	FM

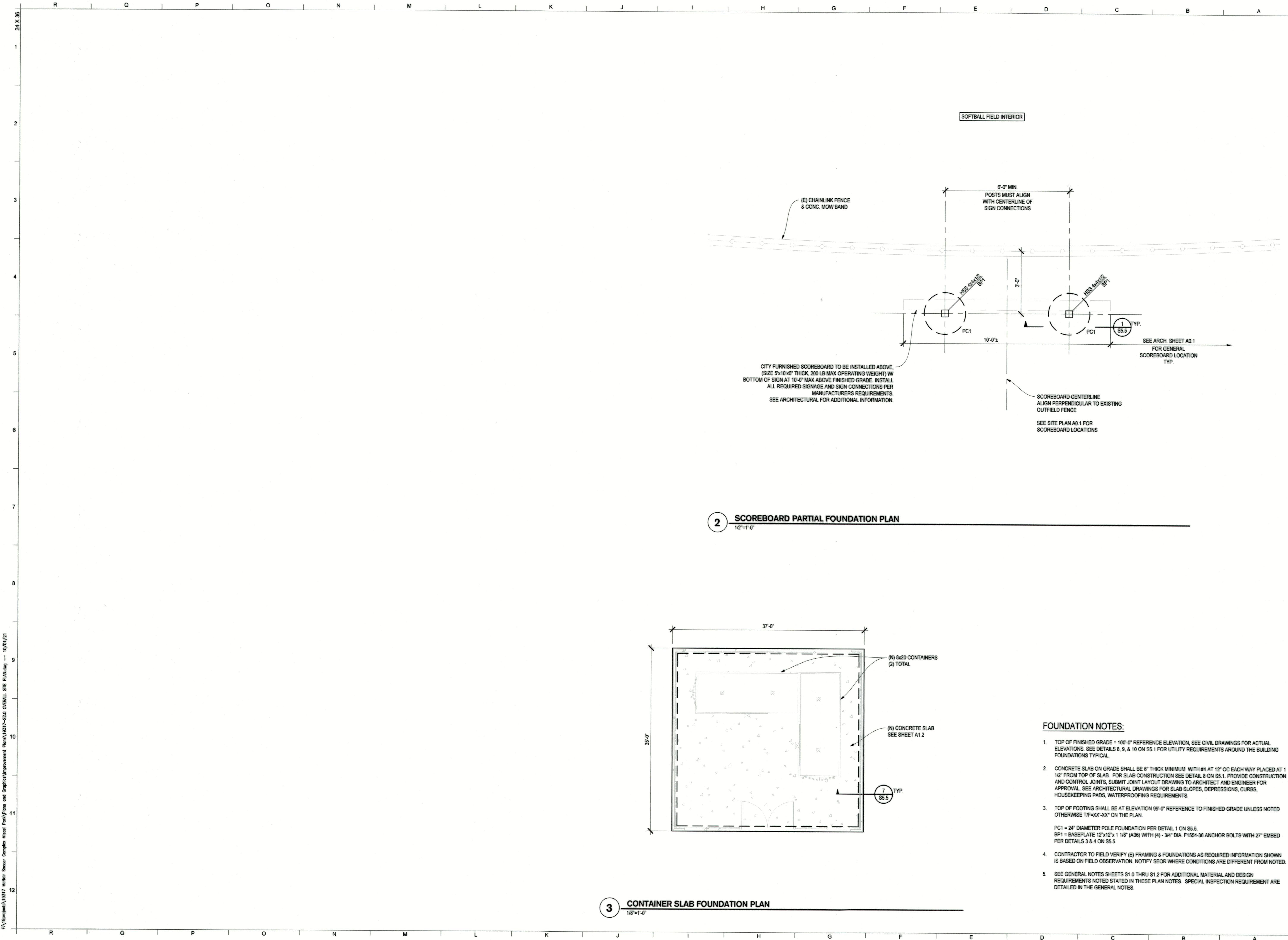
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Sheet Title  
**GENERAL NOTES**

Project Number  
CR 16024

Reference North	Sheet Scale
N	Sheet Number
	<b>S1.1</b>

5463.6C



**2 SCOREBOARD PARTIAL FOUNDATION PLAN**  
1/2"=1'-0"

**3 CONTAINER SLAB FOUNDATION PLAN**  
1/8"=1'-0"

**FOUNDATION NOTES:**

- TOP OF FINISHED GRADE = 100'-0" REFERENCE ELEVATION, SEE CIVIL DRAWINGS FOR ACTUAL ELEVATIONS. SEE DETAILS 8, 9, & 10 ON SS.1 FOR UTILITY REQUIREMENTS AROUND THE BUILDING FOUNDATIONS TYPICAL.
- CONCRETE SLAB ON GRADE SHALL BE 6" THICK MINIMUM WITH #4 AT 12" OC EACH WAY PLACED AT 1 1/2" FROM TOP OF SLAB. FOR SLAB CONSTRUCTION SEE DETAIL 8 ON SS.1. PROVIDE CONSTRUCTION AND CONTROL JOINTS, SUBMIT JOINT LAYOUT DRAWING TO ARCHITECT AND ENGINEER FOR APPROVAL. SEE ARCHITECTURAL DRAWINGS FOR SLAB SLOPES, DEPRESSIONS, CURBS, HOUSEKEEPING PADS, WATERPROOFING REQUIREMENTS.
- TOP OF FOOTING SHALL BE AT ELEVATION 99'-0" REFERENCE TO FINISHED GRADE UNLESS NOTED OTHERWISE TYP. ON THE PLAN.  
PC1 = 24" DIAMETER POLE FOUNDATION PER DETAIL 1 ON SS.5.  
BP1 = BASEPLATE, 12"x12"x 1 1/8" (A36) WITH (4) - 3/4" DIA. F1554-36 ANCHOR BOLTS WITH 27" EMBED PER DETAILS 3 & 4 ON SS.5.
- CONTRACTOR TO FIELD VERIFY (E) FRAMING & FOUNDATIONS AS REQUIRED INFORMATION SHOWN IS BASED ON FIELD OBSERVATION. NOTIFY SEOR WHERE CONDITIONS ARE DIFFERENT FROM NOTED.
- SEE GENERAL NOTES SHEETS S1.0 THRU S1.2 FOR ADDITIONAL MATERIAL AND DESIGN REQUIREMENTS NOTED STATED IN THESE PLAN NOTES. SPECIAL INSPECTION REQUIREMENT ARE DETAILED IN THE GENERAL NOTES.

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DATE SIGNED: 10/01/21

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City Approvals  
**Public Works Department**  
Approved by *[Signature]*  
Date *[Signature]*  
City Engineer, Stockton, CA

Issue: 100% CDs W/ PLAN CHECK CORRECTIONS 9-20-2021

No.	Date	Description

Project  
**McNair Soccer Complex Phase - 2**  
9550 Ronald E. McNair Way Stockton CA 95210

Architect of Record	JH
Project Architect	JH
Drafted By	ATL
Checked By	FM
File Date	

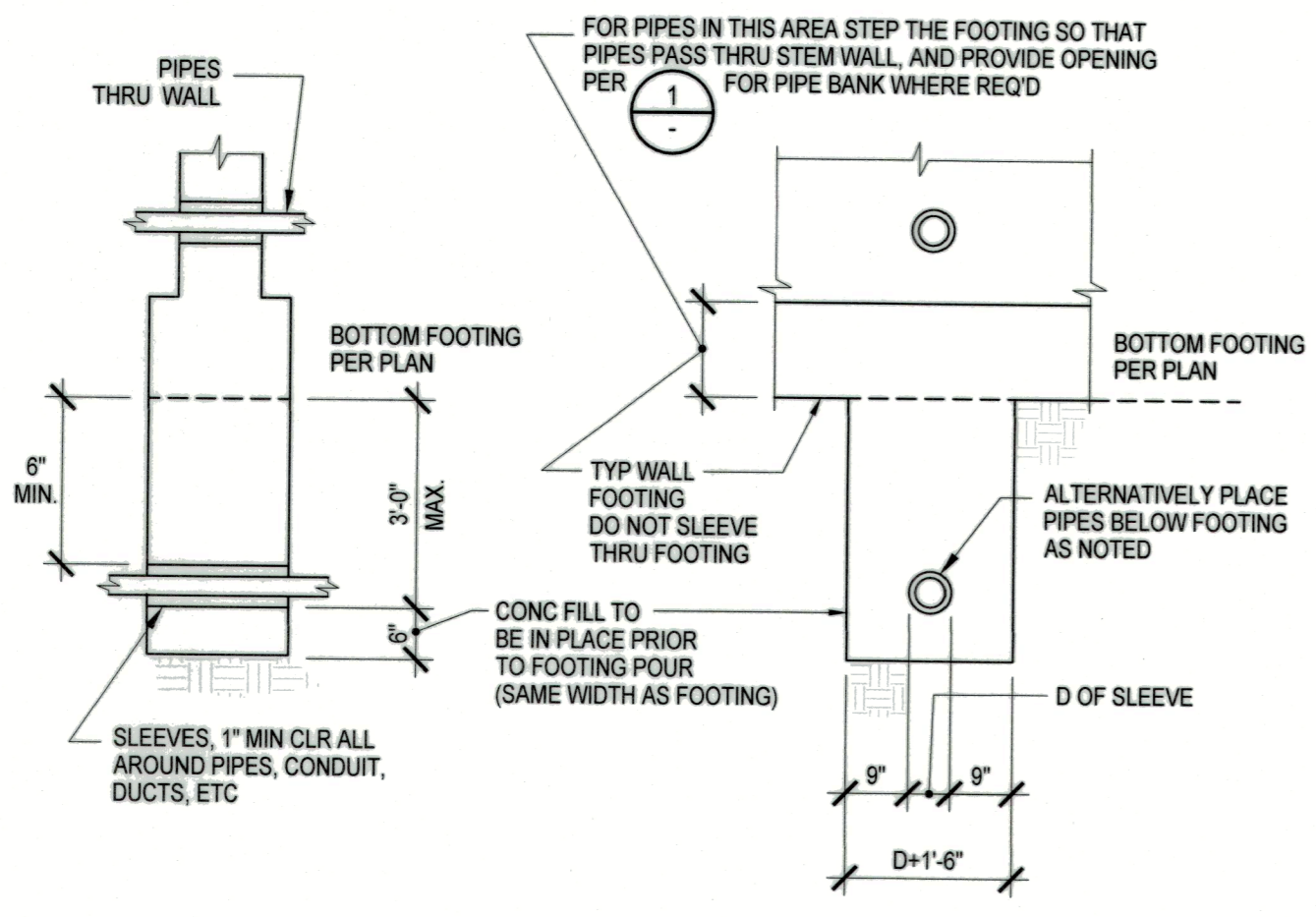
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**PARTIAL PLAN-STRUCTURAL**

Project Number  
**CR 16024**

Reference North	Sheet Scale
N	
Sheet Number	<b>S2.0</b>

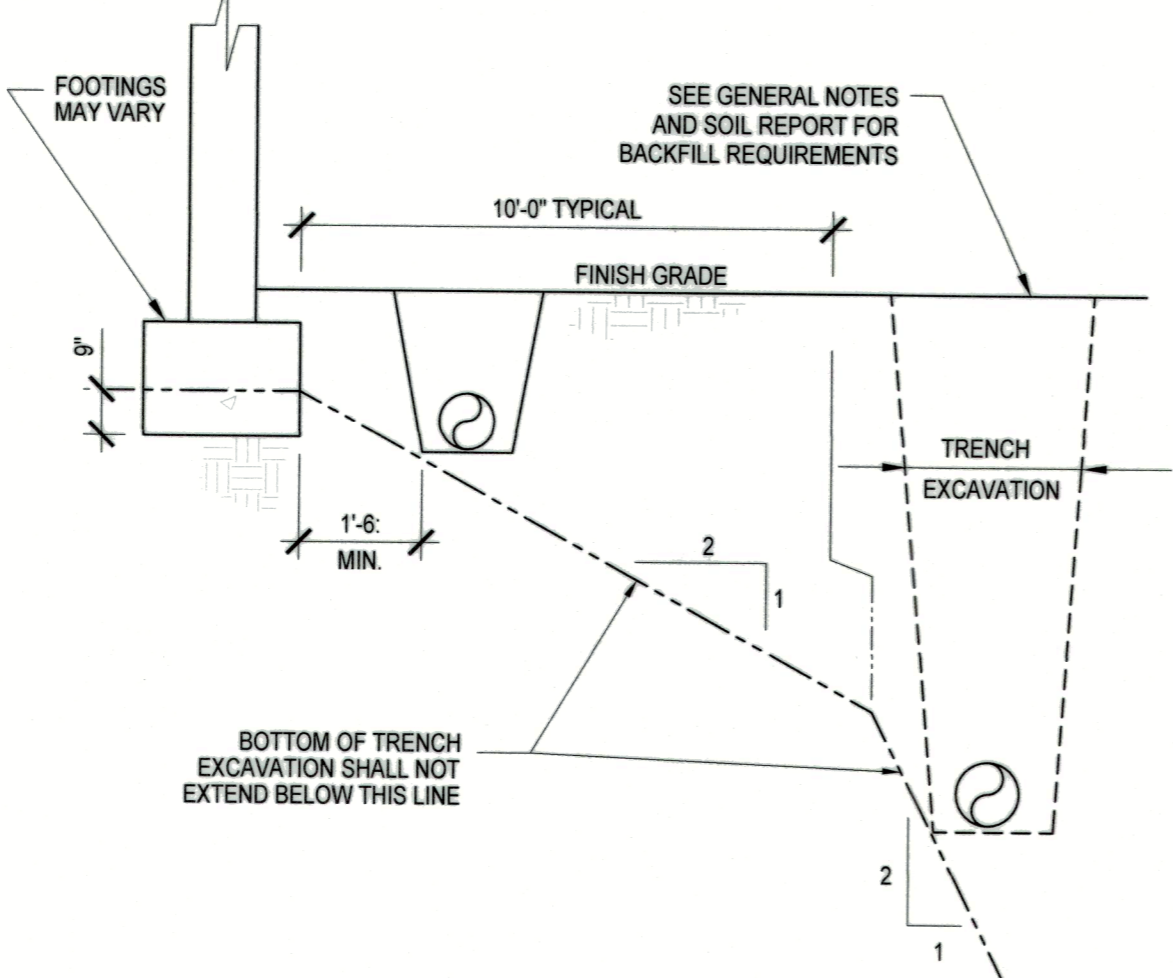
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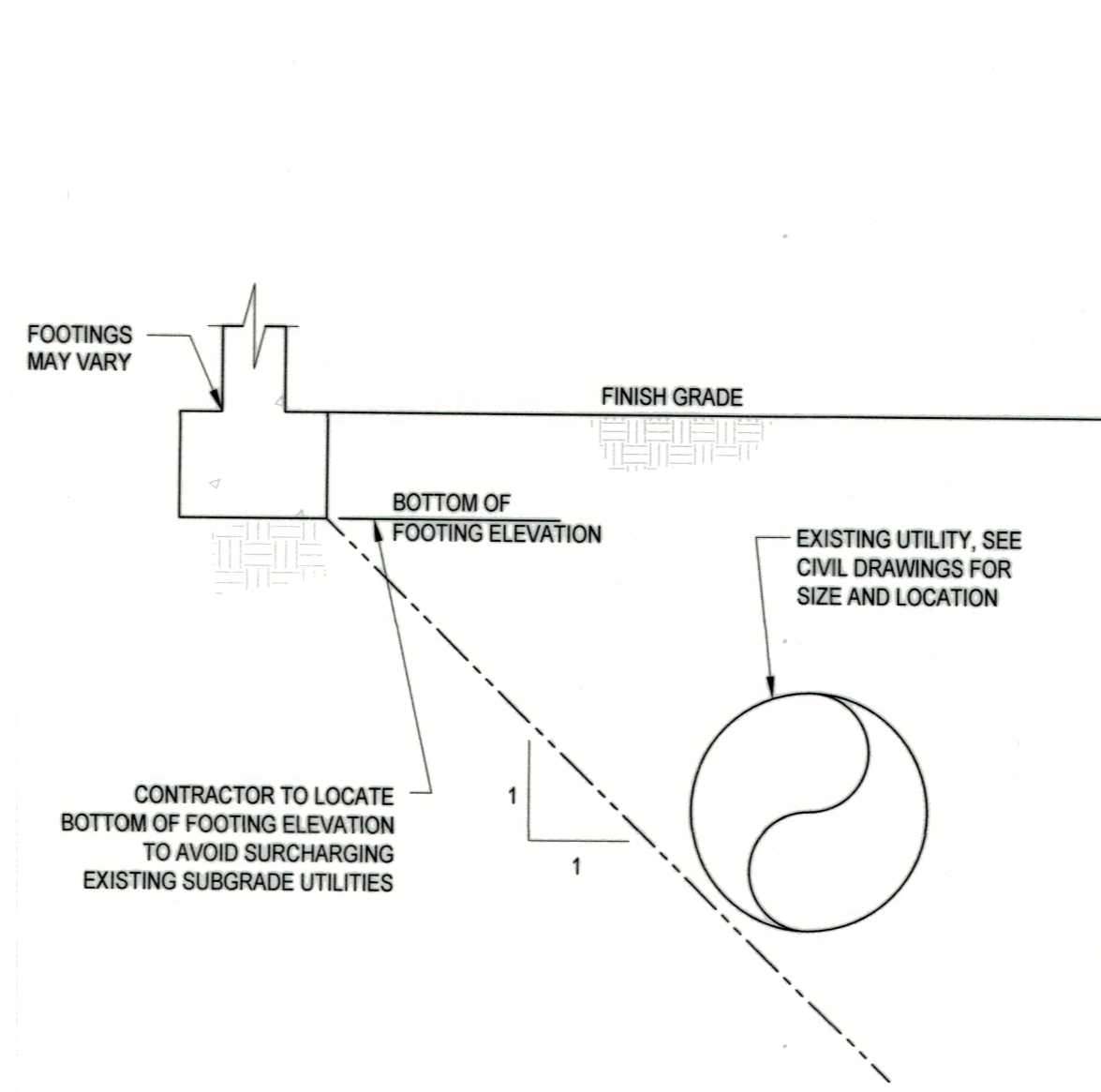
- NOTES:**
- FOR PIPES 3/4" OR LESS BELOW BOTTOM OF FOOTINGS PROVIDE SLEEVE AND CONCRETE AS SHOWN.
  - FIRE SERVICE LINES SHALL HAVE 2" MIN. CLR. ALL AROUND
  - TRENCHES FOR PIPES/CONDUITS WITH INVERT ELEVATION GREATER THAN SHOWN SHALL BE BACKFILLED PER GEOTECH RECOMMENDATIONS.

**10 EXCAVATION PERPENDICULAR TO FOOTING**  
NTS

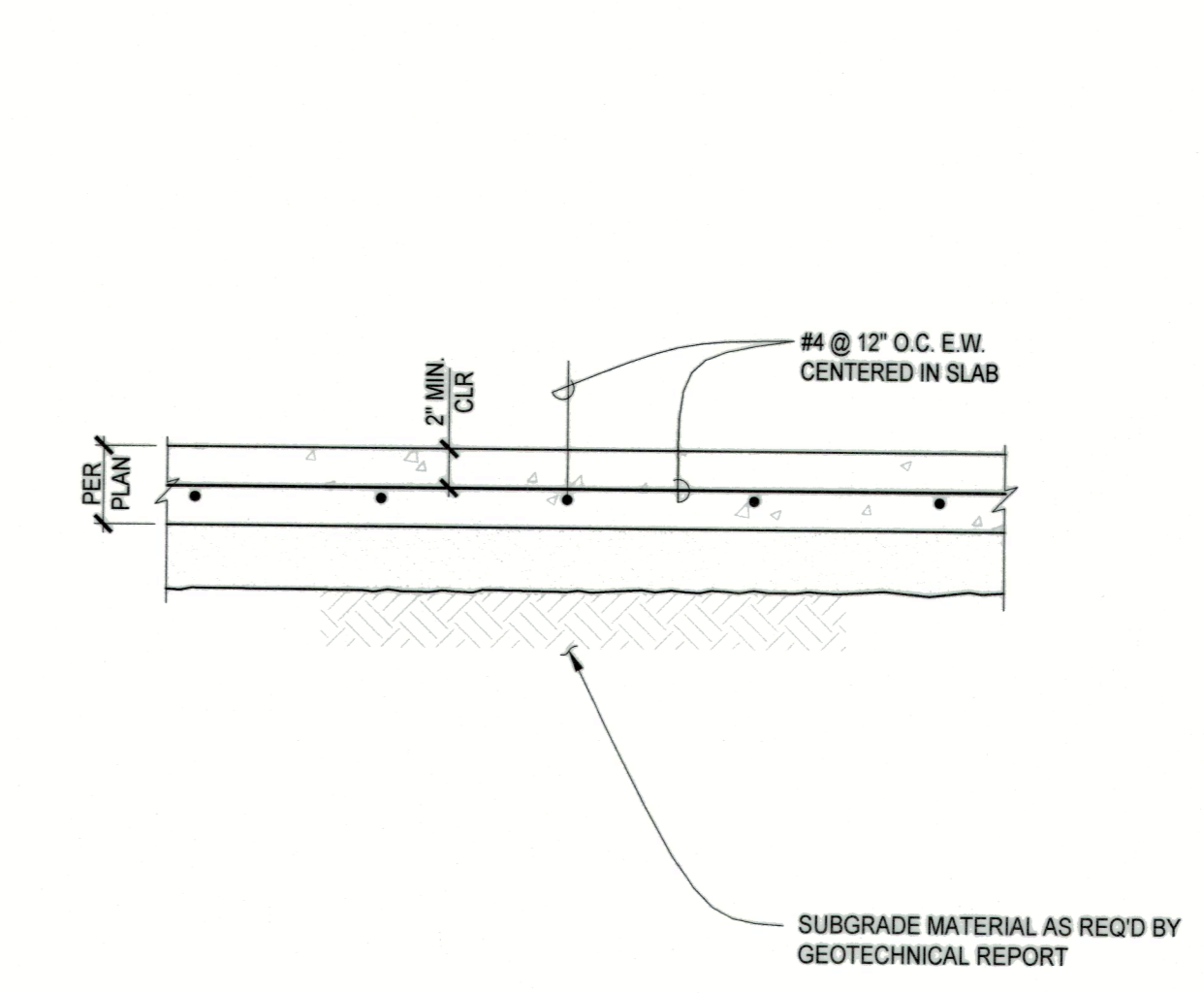


- NOTES:**
- THE CONTRACTOR SHALL COORDINATE ALL EXCAVATION OPERATIONS WITH BUILDING FOUNDATION REQUIREMENTS.

**9 EXCAVATION PARALLEL TO NEW FOUNDATION**  
NTS



**8 FOOTING PARALLEL TO (E) UTILITY**  
NTS

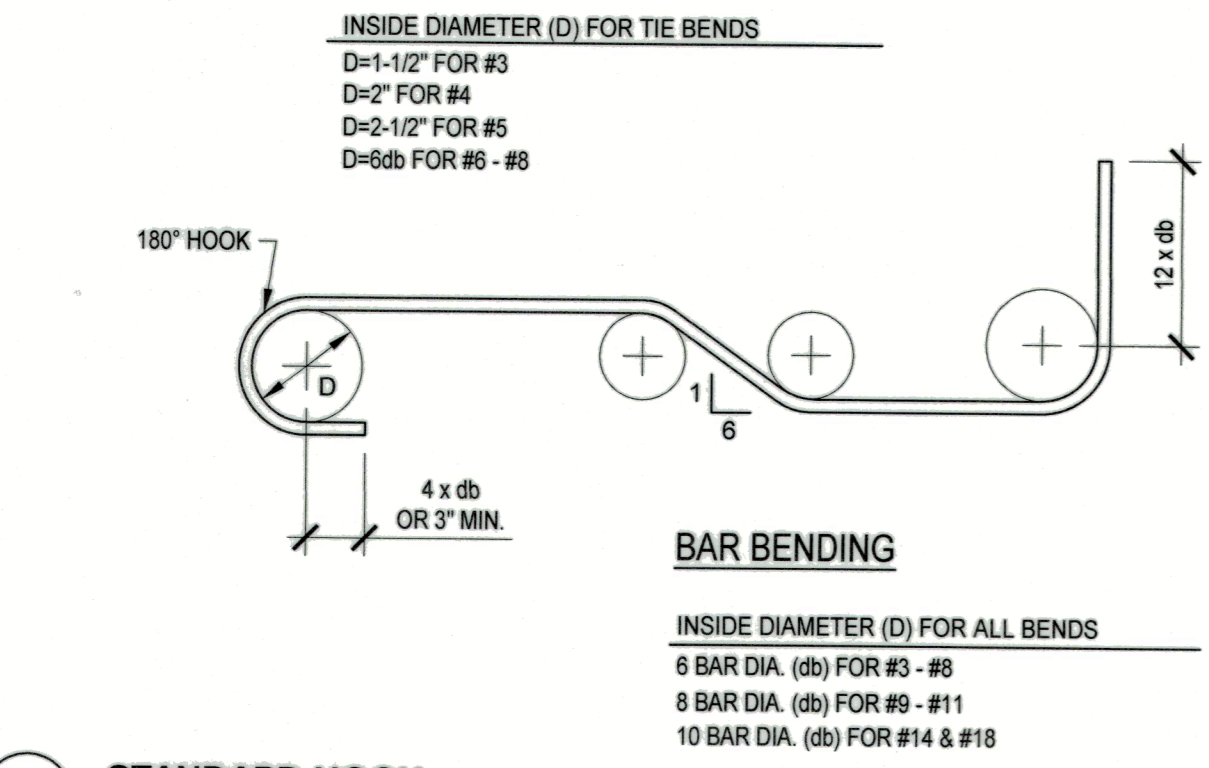
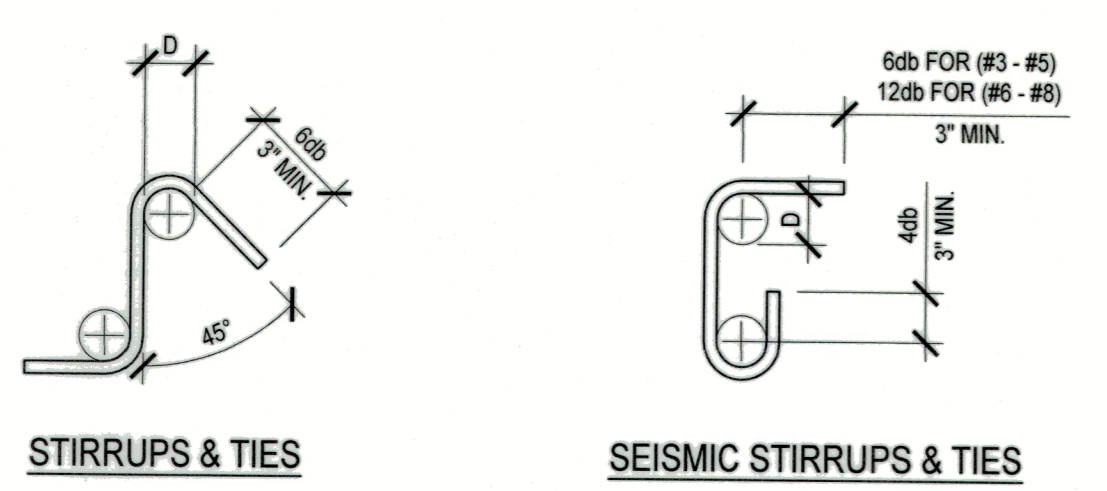


**7 TYPICAL CONCRETE SLAB ON GRADE**  
NTS

CONCRETE EXPOSURE	MEMBER	REINFORCEMENT	SPECIFIED COVER (IN) UNO
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	ALL	3
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	#6 THROUGH #18 BARS	2
		#5 BARS AND SMALLER	1-1/2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLAB, JOIST, AND WALLS	#14 AND #18 BARS	1-1/2
		#11 BARS AND SMALLER	3/4
TILT UP PANELS	BEAMS, COLUMNS, PEDESTALS AND TENSION TIES	PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	1-1/2
		MAIN REINF. (INSIDE/OUTSIDE FACE)	1
TILT UP PANELS	TIES/STIRRUPS (INSIDE/OUTSIDE FACE)	MAIN REINF. EDGE OF PANEL	2
		TIES/STIRRUPS EDGE OF PANEL	1-1/2
		TIES/STIRRUPS EDGE OF PANEL	1-1/2

- NOTES:**
- MINIMUM SPECIFIED COVER ABOVE IS BASED ON CAST-IN-PLACE CONSTRUCTION (NON-PRESTRESSED).
  - PROVIDE 1-1/2" CLEAR FROM TOP OF SLAB FOR SLAB ON GRADE.
  - FOR PRECAST, PRE-STRESSED USE ALTERNATE SCHEDULE.
  - REINFORCING BARS SHALL EXTEND AS FAR AS POSSIBLE AND END IN EITHER A STANDARD HOOK OR TENSION LAP SPlice UNLESS DETAILED OTHERWISE.

**6 CONCRETE CLEAR COVER**  
NTS



**4 STANDARD HOOK**  
NTS

**3 STANDARD HOOK**  
NTS

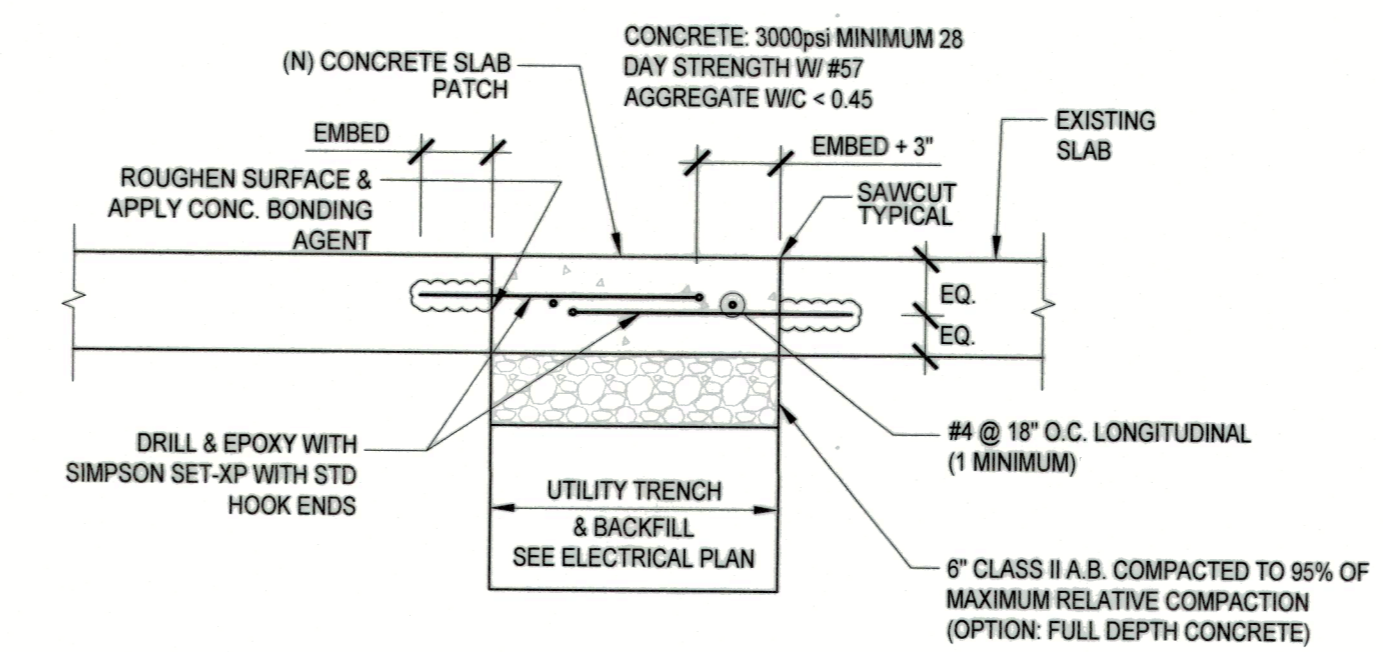
GENERAL USE  
1. SIDE COVER ≥ 2 1/2 IN. ANCHOR BOLTS  
2. END COVER (90° HOOKS) ≥ 2 IN.

BAR SIZE NO.	NORMAL WEIGHT CONCRETE, Fc (PSI)				
	3,000	3,500	4,000	5,000	6,000
#3	9	8	8	7	6
#4	11	11	10	9	8
#5	14	13	12	11	10
#6	17	16	15	13	12
#7	20	18	17	15	14
#8	22	21	19	17	16
#9	25	23	22	20	18
#10	28	26	25	22	20
#11	31	28	27	24	22
#14	38	36	33	29	27

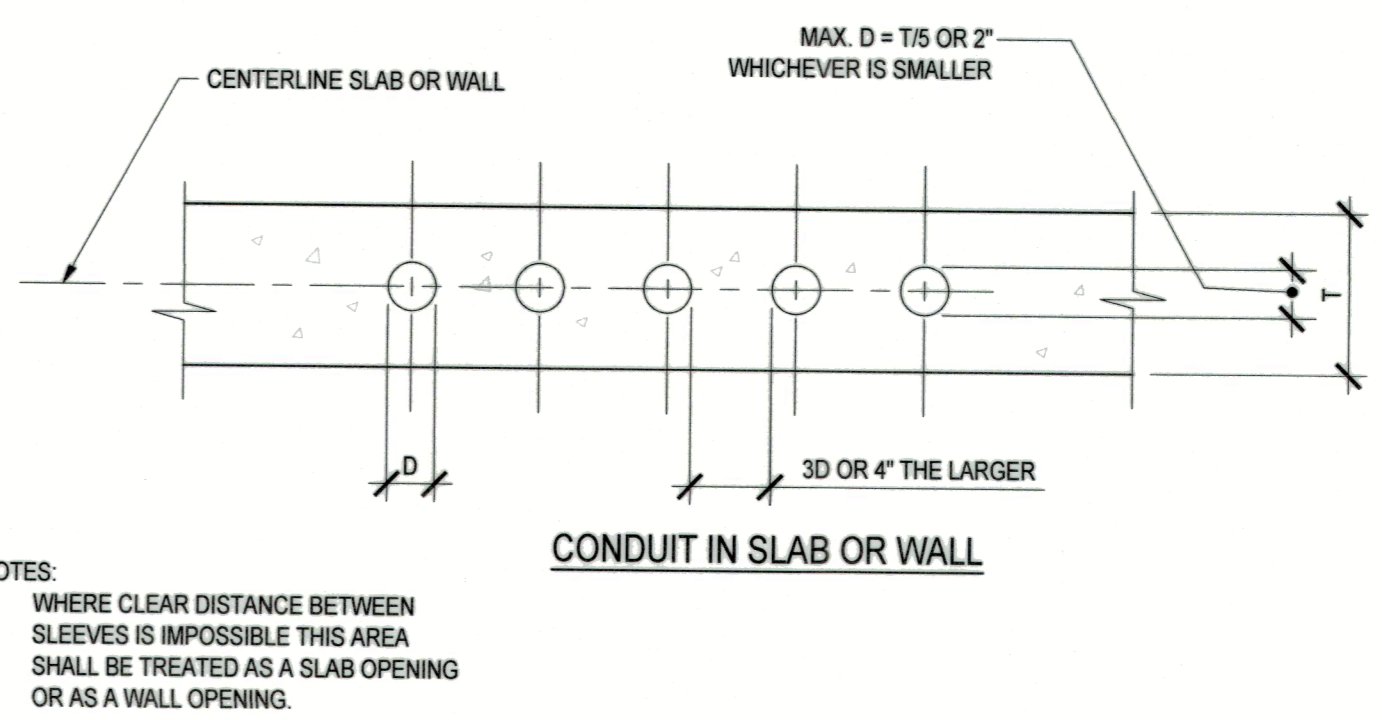
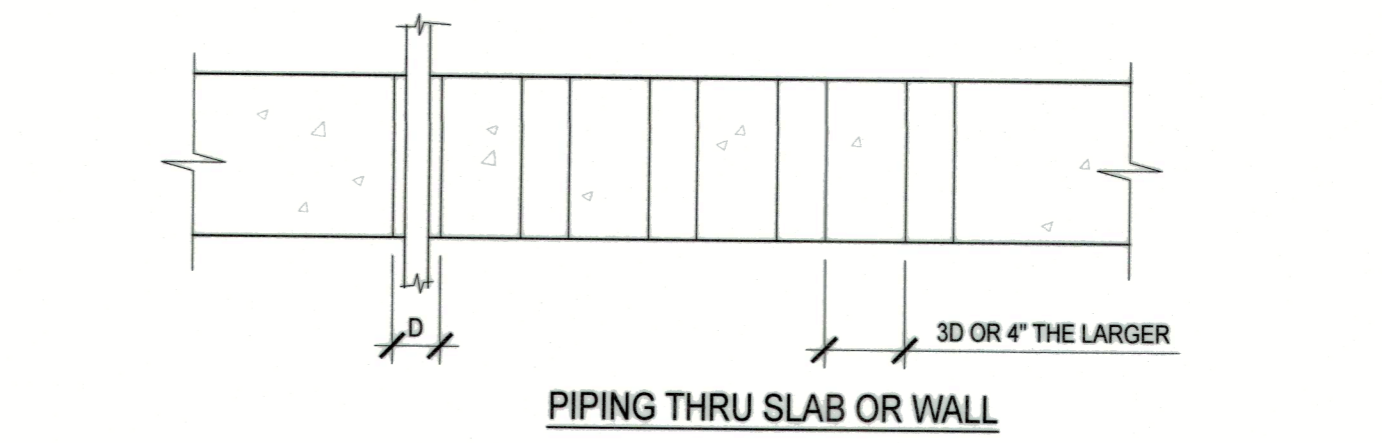
**5 REINFORCING STEEL TENSION DEVELOPMENT & LAP SPlice**  
NTS

**DOWEL SCHEDULE**

(E) SLAB THICKNESS	DOWEL SIZE	SPACING	EMBED
4"	#4	24"	4"
5"	#4	24"	4"
6"	#6	24"	6"
8"	#6	18"	6"



**2 UTILITY TRENCH SLAB REPAIR**  
NTS



**1 CONDUIT IN SLAB OR WALL**  
NTS

Architect  
**indigo**  
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530.750.0796 WWW.INDIGOARCH.COM

REGISTERED PROFESSIONAL ARCHITECT  
FRANK MICHAEL MARIUCCI  
S5380  
STATE OF CALIFORNIA  
DATE SIGNED: 10/01/21

Consultant  
**SIEGFRIED**  
3428 Brookside Road  
Stockton, California 95219  
209-943-2021  
Fax: 209-942-0214  
www.siegfriedeng.com

City Approvals  
**Public Works Department**  
Approved by: [Signature]  
Date: 11/2/21  
City Engineer, Stockton, CA

Issue: 100% CDs W/ PLAN CHECK CORRECTIONS 9-20-2021

No.	Date	Description

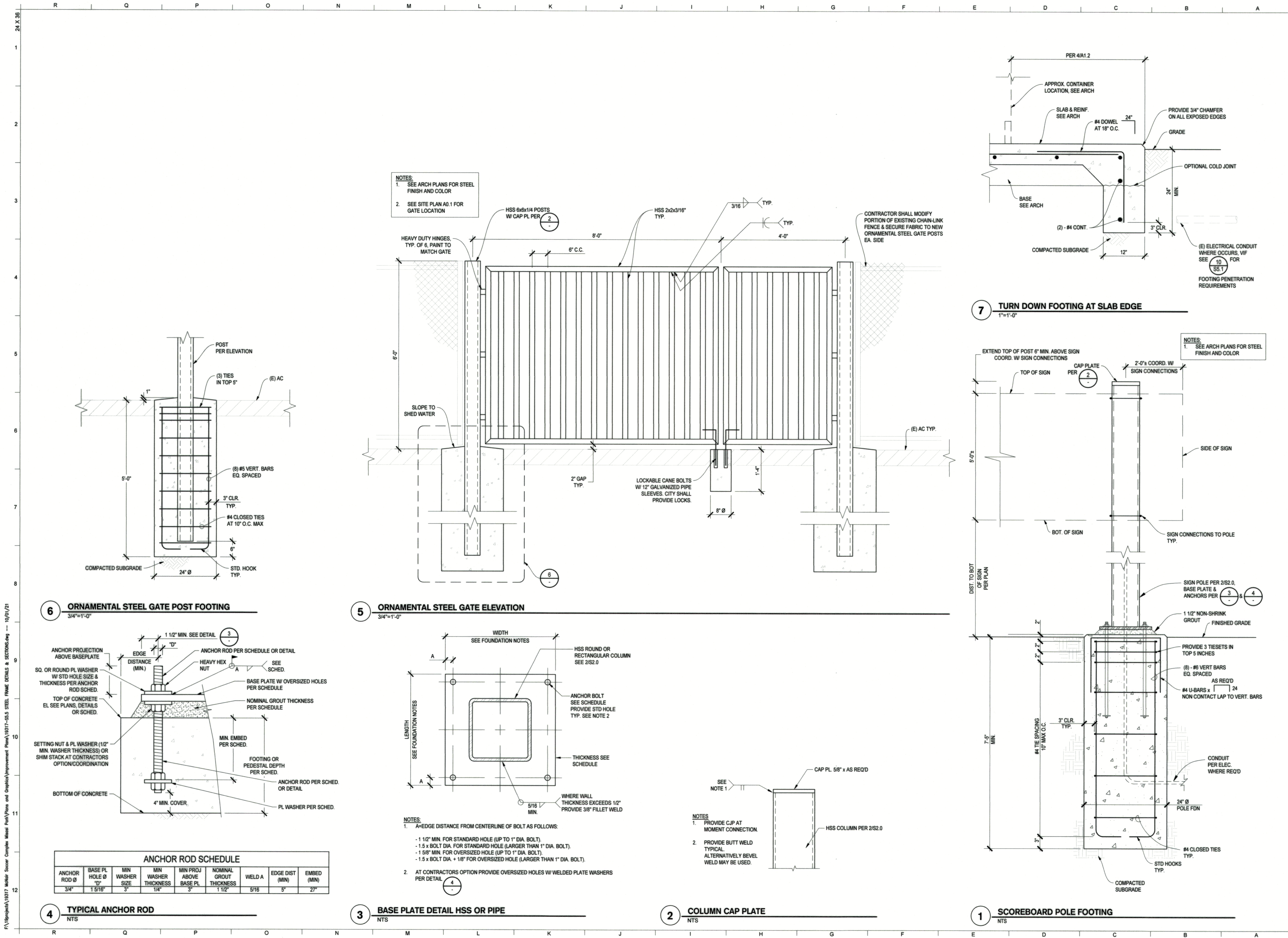
Project  
**McNeil Soccer Complex Phase - 2**  
9550 Ronald E. McNeil Way Stockton CA 95210

Architect of Record: JH  
Project Architect: JH  
Drafted By: ATCL  
Checked By: FM  
File Date:     

Sheet Title  
**FOUNDATION DETAILS & SECTIONS**

Project Number  
CR 16024

Reference North  
Sheet Scale  
Sheet Number  
**S5.1**



**6 ORNAMENTAL STEEL GATE POST FOOTING**  
3/4"=1'-0"

**5 ORNAMENTAL STEEL GATE ELEVATION**  
3/4"=1'-0"

ANCHOR ROD SCHEDULE								
ANCHOR ROD Ø	BASE PL HOLE Ø	MIN WASHER SIZE	MIN WASHER THICKNESS	MIN PROJ ABOVE BASE PL	NOMINAL GROUT THICKNESS	WELD A	EDGE DIST (MIN)	EMBED (MIN)
3/4"	1 5/16"	3"	1/4"	3"	1 1/2"	5/16"	5"	27"

**4 TYPICAL ANCHOR ROD**  
NTS

**3 BASE PLATE DETAIL HSS OR PIPE**  
NTS

**2 COLUMN CAP PLATE**  
NTS

**1 SCOREBOARD POLE FOOTING**  
NTS

No.	Date	Description

24 X 36  
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
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### ABBREVIATIONS

A	AMPERES	MFR.	MANUFACTURER
AC	ALTERNATING CURRENT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
A.F.F.	ABOVE FINISHED FLOOR	PFB	PROVISIONS FOR FUTURE CIRCUIT BREAKER
A.I.C.	AMPERE INTERRUPTING CAPACITY	PH	PHASE
AMP	AMPERE	RCPT.	RECEPTACLE
AWG	AMERICAN WIRE GAUGE	S.M.S	SHEET METAL SCREW
BKR	BREAKER	SYS	SYSTEM
C.	CONDUIT	TYPICAL	
C.B.	CIRCUIT BREAKER	UGPB	UNDERGROUND PULLBOX
CKT	CIRCUIT	UL	UNDERWRITERS LABORATORY
C.O.	CONDUIT ONLY, WITH PULL WIRE	V	VOLT
EMT	ELECTRICAL METALLIC CONDUIT	VA	VOLT-AMPERES
GA.	GAUGE	W	WIRE, WATT
GND	GROUND	WP	WEATHER PROTECTED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	XFMR	TRANSFORMER
Isc	SHORT CIRCUIT AMPERES		
KVA	KILO VOLT AMPERE		

### APPLICABLE CODES AND REGULATIONS

THE FOLLOWING ARE THE ENFORCEABLE CODES FOR FACILITIES UNDER THE AUTHORITY OF THE ALFRED E. ALQUIST HOSPITAL FACILITIES SEISMIC SAFETY ACT OF 1983:

2019	CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)).
2019	CALIFORNIA BUILDING CODE - PART 2, TITLE 24, CCR (2015 IBC AND 2016 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR (2014 NEC AND 2014 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR (2015 UMC AND 2016 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA PLUMBING CODE - PART 5, TITLE 24, CCR (2015 UPC AND 2016 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR (2015 IFC AND 2016 CALIFORNIA AMENDMENTS)
2019	CALIFORNIA GREEN BUILDING STANDARDS CODE - PART 11, TITLE 24
2015	N.F.P.A. 101 LIFE SAFETY CODE
2015	N.F.P.A. 99 STANDARD FOR HEALTH CARE FACILITIES
2016	N.F.P.A. 72 NATIONAL FIRE ALARM CODE
2016	EDITION TITLE 19, CALIFORNIA CODE OF REGULATIONS, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS. TITLE 8, CALIFORNIA CODE OF REGULATIONS, INDUSTRIAL STANDARDS. TITLE 22, CALIFORNIA CODE OF REGULATIONS, SOCIAL SECURITY DIVISIONS 5, 7. THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT (OSHPD) REGULATIONS. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). FACTORY MUTUAL SYSTEM (FM) REQUIREMENTS. ALL APPLICABLE STATE AND LOCAL CODES AND REGULATIONS

### ELECTRICAL SYMBOL LIST

	LUMINAIRE, WITH POLE AND BASE
	SINGLE POLE TOGGLE SWITCH, +45° A.F.F. - "a" LETTER DENOTES SWITCH FUNCTION, TYPICAL FOR ALL SWITCHES UNLESS NOTED OTHERWISE
	JUNCTION BOX - SIZE AS REQUIRED BY CODE
	NEW UNDERGROUND PULL BOX
	EXISTING CONDUIT AND WIRING
	CONDUIT RUN UNDERFLOOR OR UNDERGROUND MINIMUM 1" DIAMETER.
	CONDUIT HOMERUN TO PANELBOARD
	CONDUIT TURNED AND RISED UP
	CONDUIT TURNED AND DROPPED DOWN
	CONDUIT WITH CAP
	CONDUIT STUB WITH INSULATED BUSHING
	DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAME SHEET
	DRAWING PLAN OR DETAIL DESIGNATION - "1" OR "A" DENOTES PLAN OR DETAIL NUMBER, "E-1" DENOTES SHEET NUMBER
	FEEDER TAG, DENOTES SIZE OF CONDUIT AND WIRE. SEE FEEDER SCHEDULE.

#### SYMBOL LIST NOTES:

- EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.
- VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.
- WHERE CONDUIT STUB IS INDICATED, PROVIDE CONDUIT WITH BUSHING AT THE END OF CONDUIT AND PULL ROPE INTO ACCESSIBLE CEILING AREA.

### LUMINAIRE SCHEDULE

TYPE	MANUFACTURER CATALOG NO.	VOLTAGE DESCRIPTION	LIGHT SOURCE (LED, WATTS, LUMENS, COLOR TEMPERATURE, CRI, R9 IF AVAILABLE)	MOUNTING	REMARK NOTE No.
A	GUARDCCO SIGNIFY BRP710-LED-WW-MR-35MO-PDIM50-SOLAR	12V SOLAR POWERED LED FLOODLIGHT	LED, 17W, 2000L, 4000K*	POLE MOUNT	
	EATON ALL-PRO LED	12V SOLAR POWERED LED FLOODLIGHT	LED, 90W, 1000L	SURFACE	
B	MST800L	12V SOLAR POWERED LED FLOODLIGHT	LED, 90W, 1000L	SURFACE	
P	EATON ALL-PRO LED	4" STRAIGHT STEEL SQ POLE, 110 MPH RATED	N/A		
	SSS-12-4-11-T2X6	4" STRAIGHT STEEL SQ POLE, 110 MPH RATED	N/A		

#### LUMINAIRE SCHEDULE REMARK NOTES:

GENERAL NOTE:  
REFER TO PLAN FOR LOCATION, QUANTITIES, AND SWITCH FUNCTION.

### ELECTRICAL SHEET INDEX

No. OF SHEETS	DRAWING No.	DRAWING DESCRIPTIONS
1	E0.1	ELECTRICAL SHEET INDEX, SYMBOL LIST, AND ABBREVIATIONS
2	E1.0	ENLARGED SITE PLAN - POWER AND LIGHTING
3	E1.1	ENLARGED SITE PLAN - ELECTRICAL
4	E2.0	ONE-LINE POWER DIAGRAM, PANEL SCHEDULE, AND DETAILS

### \*\* UNDERGROUND DIGGING CAUTION \*\*

USE EXTREME CAUTION WHEN DIGGING TO AVOID BURIED UTILITY CABLES, CONDUITS, AND PIPING. CALL "UNDERGROUND SERVICE ALERT" (U.S.A.):

## 1-800-642-2444

TWO WORKING DAYS BEFORE DIGGING TO VERIFY UNDERGROUND UTILITIES.

### BRANCH CIRCUIT VOLTAGE DROP TABLE

VOLTAGE DROP VALUES NOT EXCEEDING 2% FOR FEEDERS HAVE BEEN SHOWN ON THE ONE LINE DIAGRAM. IN LIEU OF VOLTAGE DROP CALCULATIONS FOR EACH BRANCH CIRCUIT IN SCOPE OF WORK, THE GENERAL DESIGN STANDARD BELOW HAS BEEN FOLLOWED TO ENSURE A VOLTAGE DROP OF 3% IS NOT EXCEEDED. WHERE THE CIRCUIT LOAD OR CIRCUIT LENGTH LISTED HAS BEEN EXCEEDED, A DETAILED VOLTAGE DROP CALCULATION FOR THAT CIRCUIT HAS BEEN PROVIDED WITH THE TITLE 24 COMPLIANCE DOCUMENTATION.

VOLTAGE	MAXIMUM CIRCUIT LOAD FOR 20 AMP CIRCUIT BREAKER	CONDUCTOR SIZE	MAXIMUM BRANCH CIRCUIT LENGTH
120 VOLT	9 AMPS (1.08 KVA)	#8 AWG	285 FEET
		#10 AWG	180 FEET
	12 AMPS (1.44 KVA)	#8 AWG	210 FEET
		#10 AWG	135 FEET
	16 AMPS (1.92 KVA)	#8 AWG	85 FEET
		#10 AWG	55 FEET
240 VOLT	9 AMPS (2.16 KVA)	#8 AWG	510 FEET
		#10 AWG	330 FEET
	12 AMPS (2.88 KVA)	#8 AWG	200 FEET
		#10 AWG	250 FEET
	16 AMPS (3.84 KVA)	#8 AWG	150 FEET
		#10 AWG	185 FEET
		#12 AWG	110 FEET

**HAMMOND+PLAYLE**  
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---

Agency approval

City Approvals

**Public Works Department**  
 Approved by   
 Date \_\_\_\_\_  
 City Engineer, Stockton, CA

---

Issue: **100% CDs W/ PLAN CHECK CORRECTIONS 9-20-2021**

No.	Date	Description

---

Project

## McNair Soccer Complex Phase - 2

**9820 Ronald E. McNair Way Stockton CA 95210**

---

Architect of Record	JH
Project Architect	JH
Checked By	AP
Checked By	PH

File Date \_\_\_\_\_

---

Sheet Title

### ELECTRICAL SHEET INDEX, SYMBOL LIST, AND ABBREVIATIONS

Project Number  
CR16024

---

Reference North	Sheet Scale
N	Sheet Number
	<b>E0.1</b>

---

**5463.10 C**

**M. NEILS ENGINEERING, INC.**  
 Electrical Engineers | Lighting Designers  
100 Howe Ave., Suite 230N  
 Sacramento, CA 95825-9217  
 www.mneilsengineering.com  
 Tel: (916) 623-4430 Fax: (916) 623-4419  
 PROJECT #: 201625.21

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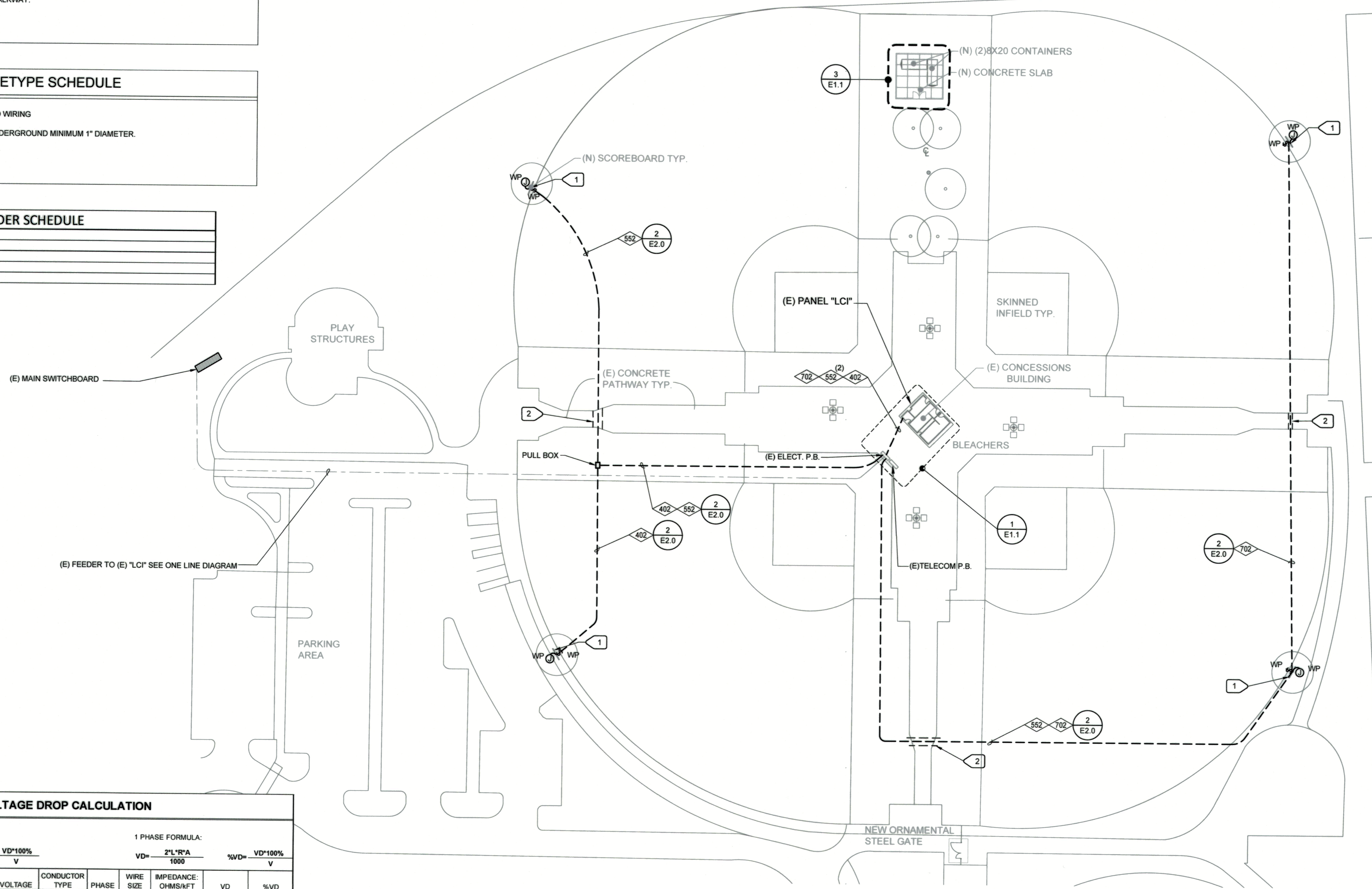
NUMBERED NOTES	
1	PROVIDE 120V, 20A SIGN DISCONNECT ON SUPPORT POLE. PROVIDE 120V CIRCUIT CONNECTION TO THE SCOREBOARD.
2	BORE UNDER (E) CONCRETE WALKWAY.

LINETYPE SCHEDULE	
---	EXISTING CONDUIT AND WIRING
---	NEW CONDUIT RUN UNDERGROUND MINIMUM 1" DIAMETER.

FEEDER SCHEDULE	
TAG	DESCRIPTION
402	1" C., 2 #8, AND 1 #10 GND.
552	1" C., 2 #6 AND 1 #10 GND.
702	1-1/4" C., 2 #4 AND 1 #8 GND.

VOLTAGE DROP CALCULATION										
CEC 215.2(A)(3) FPN No. 2										
3 PHASE FORMULA:					1 PHASE FORMULA:					
$VD = \frac{\sqrt{3} \cdot L \cdot R \cdot A}{1000}$					$VD = \frac{2 \cdot L \cdot R \cdot A}{1000}$					
$\%VD = \frac{VD \cdot 100}{V}$					$\%VD = \frac{VD \cdot 100}{V}$					
PANEL - CKT	DISTANCE (FT)	AMPS	VOLTAGE	CONDUCTOR TYPE	PHASE	WIRE SIZE	IMPEDANCE: OHMS/KFT	VD	%VD	
LC1 - 25	552	5.8	120	CU	1	#6	0.450	2.88	2.40%	
LC1 - 27	402	5.8	120	CU	1	#8	0.700	3.26	2.72%	
LC1 - 29	567	5.8	120	CU	1	#6	0.450	2.96	2.47%	
LC1 - 31	975	5.8	120	CU	1	#4	0.300	3.39	2.83%	

1. CONDUCTOR IMPEDANCE VALUES BASED ON CEC CHAPTER 9 TABLE 9 - EFFECTIVE IMPEDANCE FOR UNCOATED COPPER WIRES IN STEEL CONDUIT @ 0.85 PF (OHM/KFT)  
 2. PER CEC 210.19(A)(1) FPN NO. 4: BRANCH CIRCUITS ARE ALLOWED 3% VOLTAGE DROP AND THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST OUTLET DOES NOT EXCEED 5%



**1**  
**E1.0**

## SITE PLAN - ELECTRICAL

SCALE : 1" = 40'-0"

**M. NEILS ENGINEERING INC.**  
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 PROJECT #: 20125.21

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---

Agency approval  
 City Approvals  
**Public Works Department**  
 Approved by *[Signature]* Date *10/21*  
 City Engineer, Stockton, CA

---

Issue: **100% CDs W/ PLAN CHECK CORRECTIONS 9-20-2021**

No.	Date	Description

---

Project  
**McNair Soccer Complex Phase - 2**  
 9820 Ronald E. McNair Way Stockton CA 95210

---

Architect of Record: JH  
 Project Architect: JH  
 Drafted By: JHP  
 Checked By: JPN  
 File Date:

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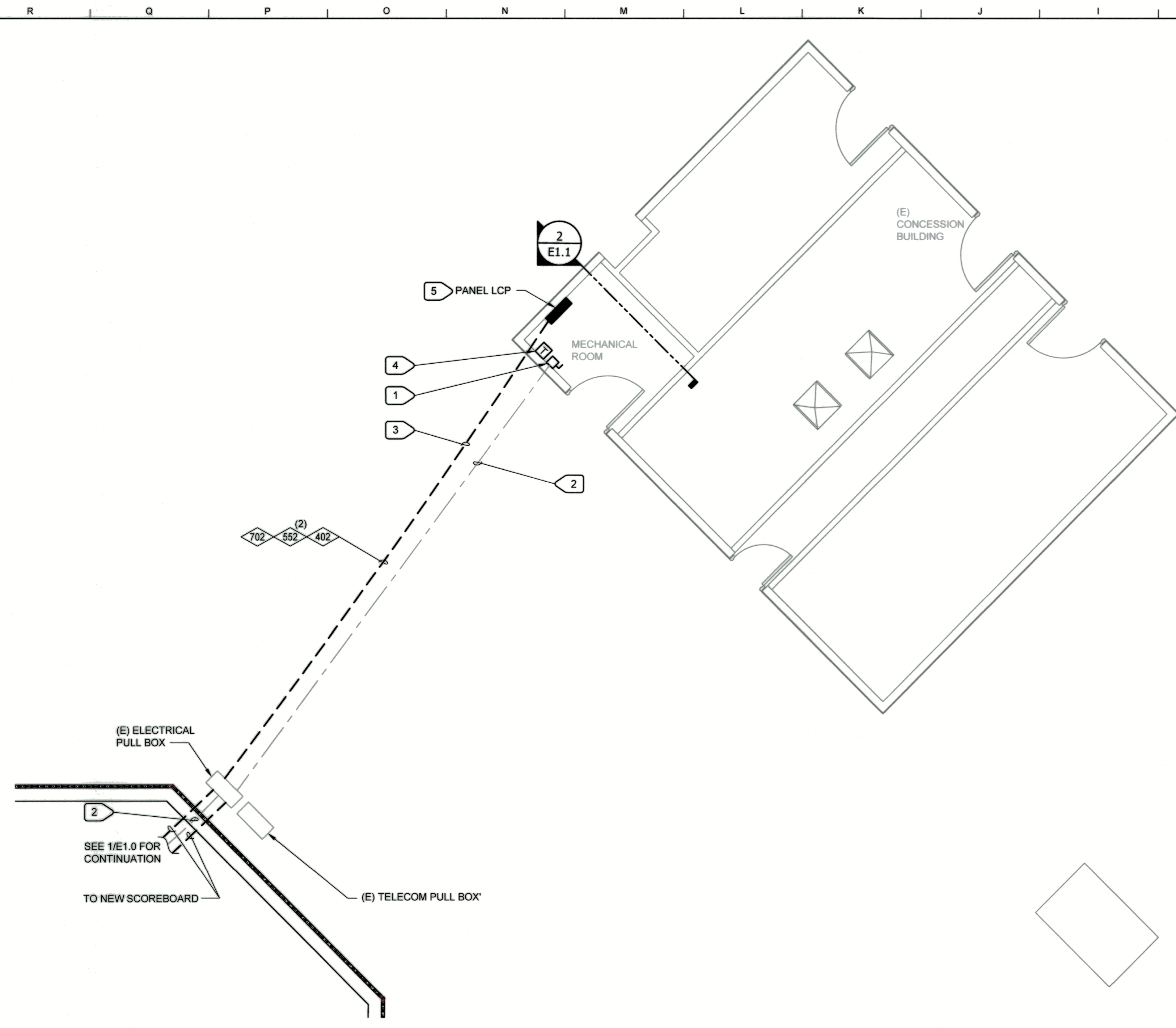
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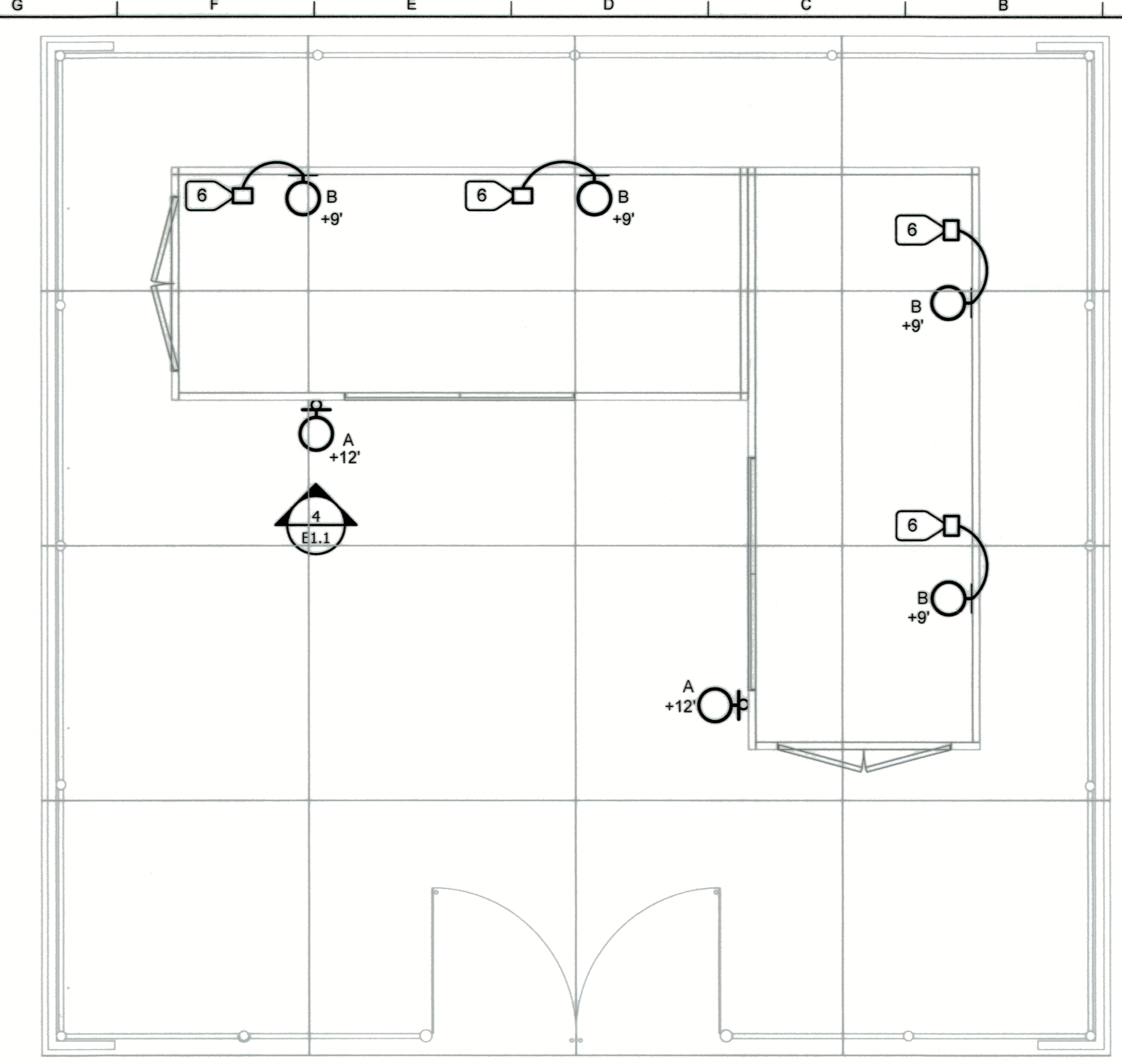
Project Number: CR16024  
 Reference North  
 Sheet Scale  
 Sheet Number: **E1.0**

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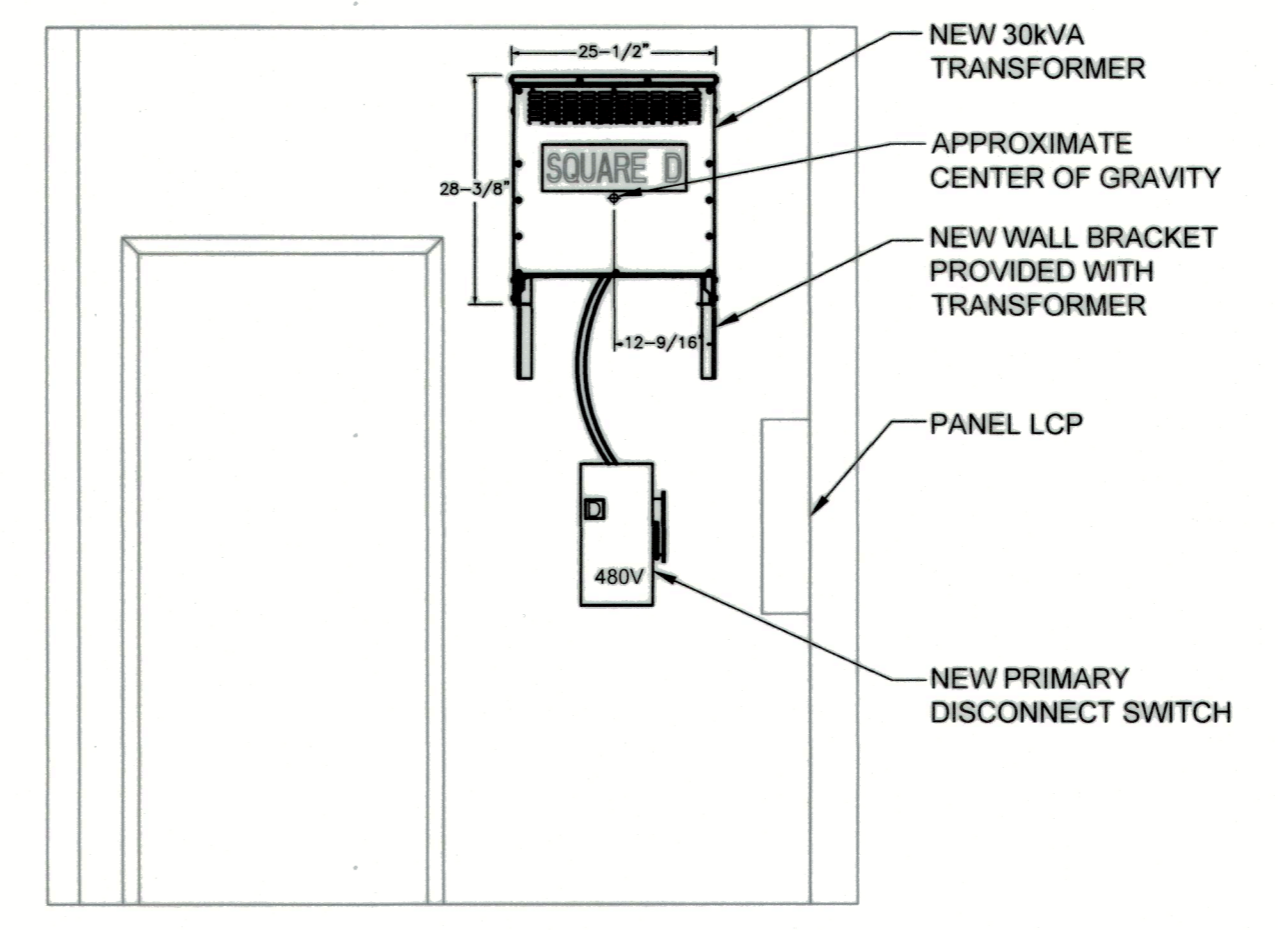
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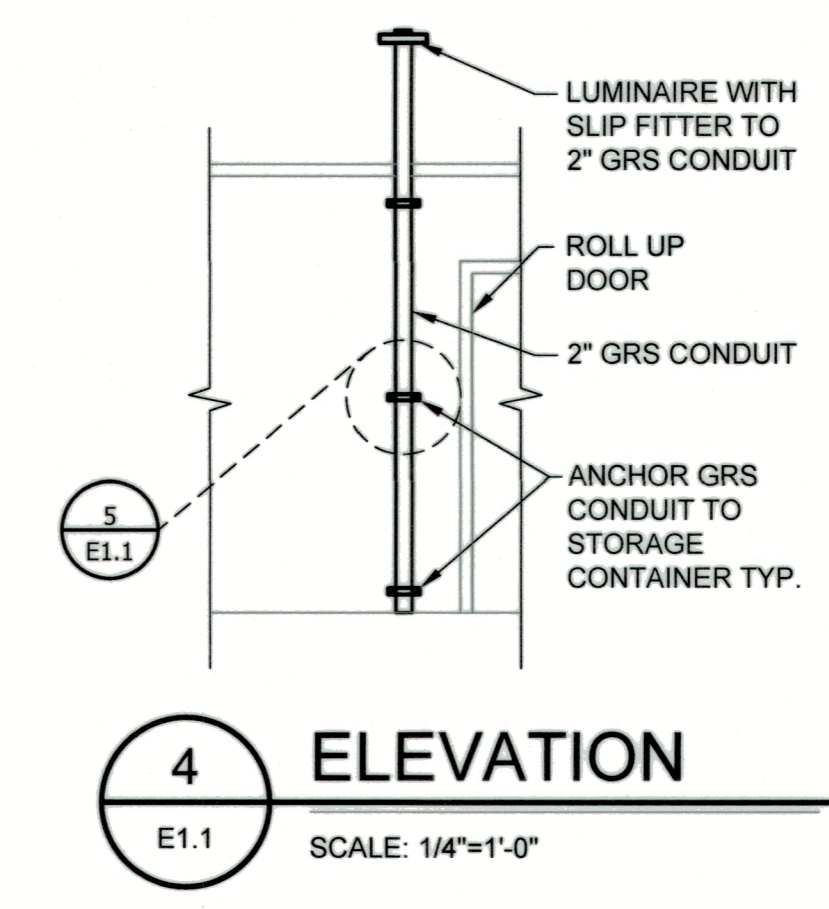
**1 CONCESSIONS & OFFICE PLAN - ELECTRICAL**  
 E1.1 SCALE: 1/4" = 1'-0"



**3 STORAGE YARD PLAN**  
 E1.1 SCALE: 1/4" = 1'-0"



**2 SECTION**  
 E1.1 SCALE: 1/2" = 1'-0"



**4 ELEVATION**  
 E1.1 SCALE: 1/4" = 1'-0"

**NUMBERED NOTES**

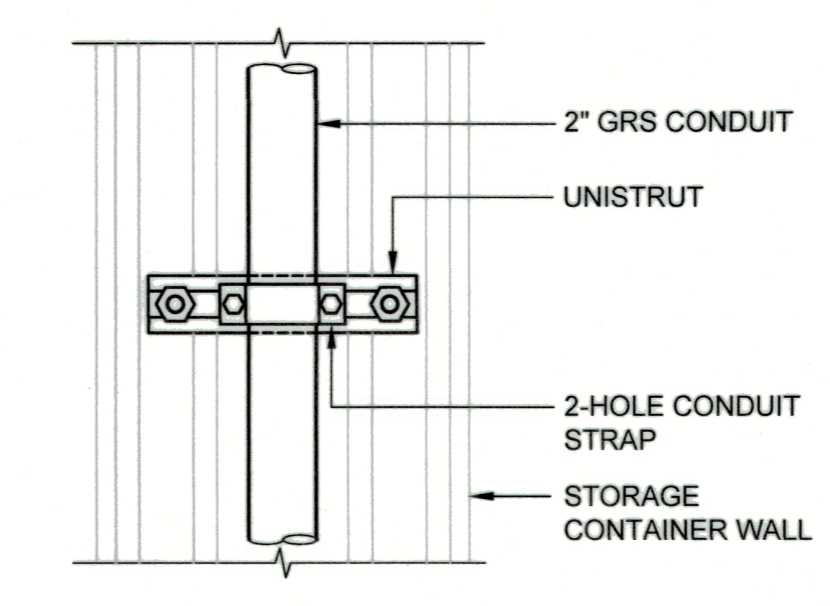
- 1 REMOVE EXISTING 30A, 3PH DISCONNECT SWITCH AND REPLACE WITH NEW 50A, 3PH PRIMARY DISCONNECT.
- 2 EXISTING 1 1/2" CONDUIT. REMOVE EXISTING CONDUCTORS AND PULL IN NEW CONDUCTORS. SEE PARTIAL ONE-LINE DIAGRAM ON SHEET E2.0.
- 3 SAW CUT (E) CONCRETE HARDSCAPE FOR INSTALLATION OF NEW BRANCH CIRCUIT CONDUITS AND CONDUCTORS PATCH TO MATCH EXISTING. SEE DETAIL "2/E2.0." CONFIRM LAYOUT OF SAWCUT WITH ENGINEER BEFORE STARTING WORK.
- 4 REMOVE EXISTING 15KVA WALL MOUNTED TRANSFORMER AND REPLACE WITH NEW 30KVA, 480V -120/208V, 3PH, 4W TRANSFORMER. PROVIDE WITH FACTORY WALL MOUNTING BRACKETS.
- 5 REMOVE EXISTING 100AMP, 120/208V, 3PH, 4W, 30 CIRCUIT PANEL BOARD AND REPLACE WITH NEW 100AMP, 120/208V, 3PH, 4W 42 CIRCUIT PANEL BOARD. TRANSFER ALL EXISTING BRANCH CIRCUITS FROM THE EXISTING PANEL BOARD TO THE NEW PANEL BOARD AND RECONNECT.
- 6 6" X 8" SOLAR PANEL (INCLUDED WITH LUMINAIRE) MOUNTED ON ROOF.

**LINETYPE SCHEDULE**

---	EXISTING CONDUIT AND WIRING
---	NEW CONDUIT RUN UNDERGROUND MINIMUM 1" DIAMETER.

**FEEDER SCHEDULE**

TAG	DESCRIPTION
402	1" C., 2 #8, AND 1 #10 GND.
552	1" C., 2 #6 AND 1 #10 GND.
702	1-3/4" C., 2 #4 AND 1 #8 GND.



**5 ENLARGED DETAIL**  
 E1.1 NO SCALE

Architect  
**indigo**  
**HAMMOND + PLAYLE**  
 ARCHITECTS . LLP  
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 909 FIFTH STREET, SAN JOSE, CA  
 95128-0776 WWW.INDIGOARCH.COM

Agency approval  
  
 City Approvals  
**Public Works Department**  
 Approved by *[Signature]*  
 Date: *[Date]*  
 City Engineer, Stockton, CA

Issue: **100% CDs W/ PLAN CHECK CORRECTIONS 9-20-2021**

No.	Date	Description

**McNair Soccer Complex Phase - 2**  
 9820 Ronald E. McNair Way  
 Stockton CA 95210

Architect of Record: JH  
 Project Architect: JH  
 Drafted By: AP  
 Checked By: PN  
 File Date:

Sheet Title  
**ENLARGED SITE PLAN - ELECTRICAL**

Project Number  
 CR16024

Reference North	Sheet Scale
N	Sheet Number
	<b>E1.1</b>

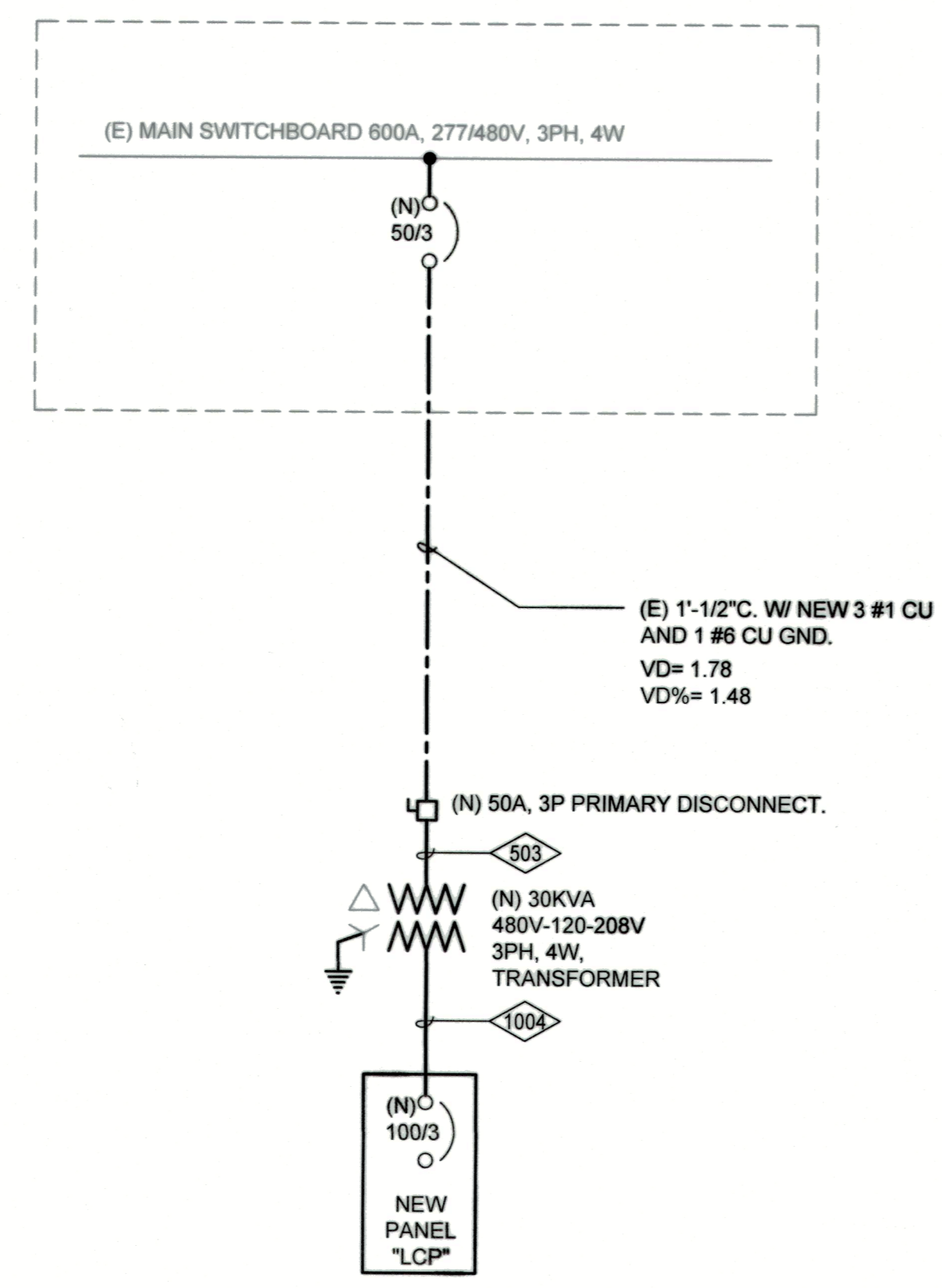
REGISTERED PROFESSIONAL ENGINEER  
 JESSE D. BASTYAN  
 No. E20229  
 Exp. 02-31-23  
 Electrical  
 STATE OF CALIFORNIA  
**M. NEILS ENGINEERING INC.**  
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 PROJECT #: 20125.21

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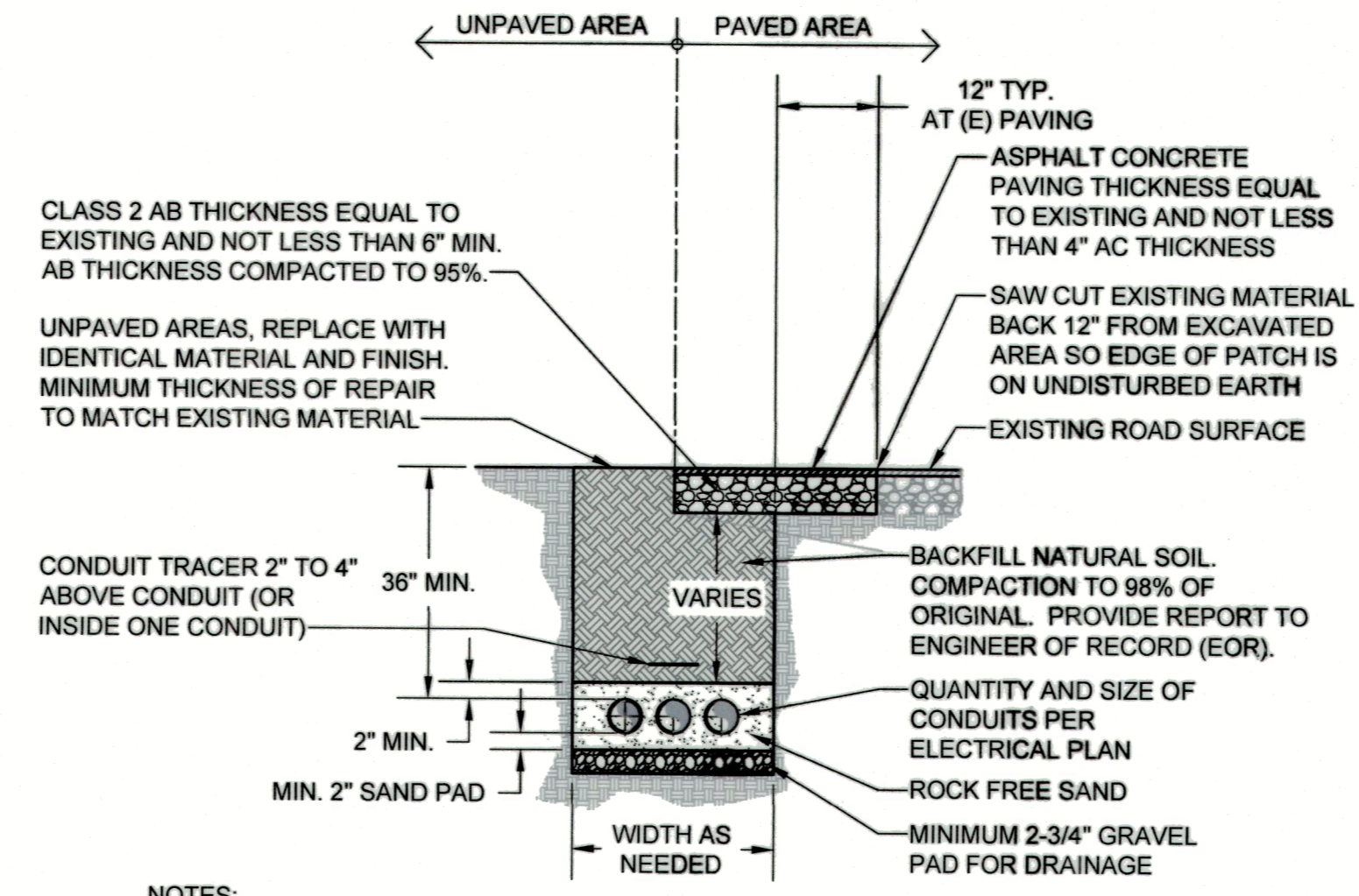
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FEEDER SCHEDULE	
TAG	DESCRIPTION
503	1-1/4" C, 3 #6, AND 1 #10 GND.
1004	1-1/4" C, 4 #2, AND 1 #8 GND.

NEW PANEL "LCP" SCHEDULE									
POWER SOURCE: PANEL "QHD1A"					LOCATION:				
TYPE:	BUS:	MAIN BKR:	VOLTAGE: 480Y/277 VOLT.		MOUNTING:		REMARKS:		
1	100A	SUB FD: 100A	3 PHASE, 4 WIRES		SURFACE		10K AIC MIN. SYMM.		
LOAD SERVED	kVA	CB	CKT	PHASE	CKT	CB	kVA	LOAD SERVED	
(E) IRRIGATION SPRINKLER	20/1	1	A	2	20/1			(E) EXISTING LIGHTING	
(E) FACP	20/1	3	B	4	20/1			(E) INTERIOR LIGHTING	
(E) RECEPT. RM H3	20/1	5	C	6	20/1			(E) INTERIOR LIGHTING	
(E) RECEPT. RM H3	20/1	7	A	8	20/1			(E) WATER HEATER	
(E) TTP	20/1	9	B	10	20/1			(E) LTG CONT. "LCP"	
(E) WATER HEATER	20/1	11	C	12	20/1			(E) IRRIGATION OUTLETS	
(E) LOAD	20/1	13	A	14	20/1			(E) LOAD	
(E) LOAD	20/1	15	B	16	20/1			(E) LOAD	
(E) LOAD	20/1	17	C	18	20/1			(E) LOAD	
(E) LOAD	20/1	19	A	20	20/1			(E) LOAD	
(E) LOAD	20/1	21	B	22	20/1			(E) LOAD	
(E) LOAD	20/1	23	C	24	20/1			(E) LOAD	
NEW SCOREBOARD	0.7	20/1	25	A	26	20/1		(E) LOAD	
NEW SCOREBOARD	0.7	20/1	27	B	28	20/1		(E) LOAD	
NEW SCOREBOARD	0.7	20/1	29	C	30	20/1		(E) LOAD	
NEW SCOREBOARD	0.7	20/1	31	A	32	PFB		SPACE	
NEW PA SYSTEM	1.0	20/1	33	B	34	PFB		SPACE	
SPACE			PFB	35	C	36	PFB	SPACE	
SPACE			PFB	37	A	38	PFB	SPACE	
SPACE			PFB	39	B	40	PFB	SPACE	
SPACE			PFB	41	C	42	PFB	SPACE	

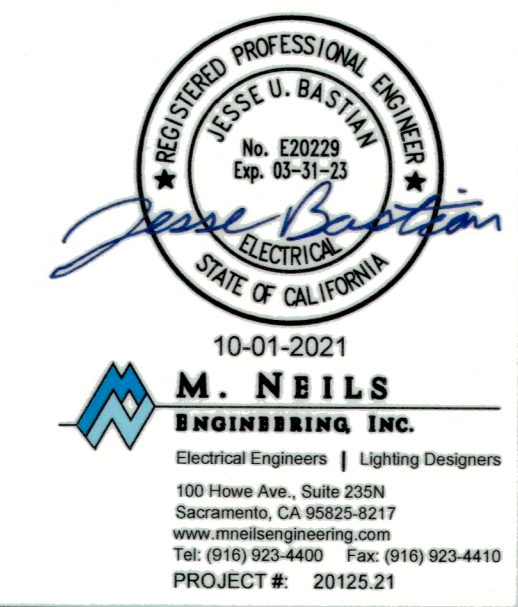


**1 PARTIAL ONE LINE DIAGRAM**  
E2.0

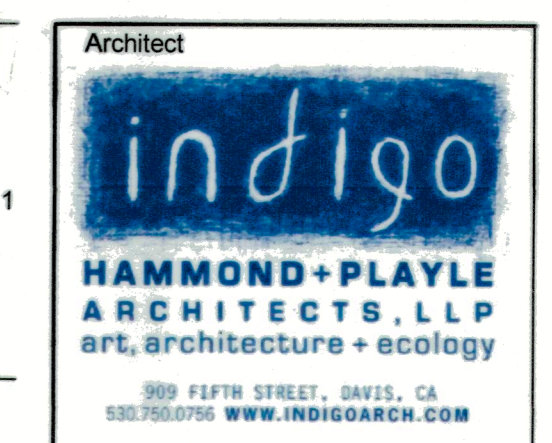


- NOTES:**
- 12" MIN. RADIAL CONDUIT SEPARATION FROM EXISTING UTILITIES AND CONDUITS.
  - IN THE CASES WHERE THERE ARE EXISTING CONDUITS AT 36" DEPTH, THE NEW CONDUITS ARE TO GO UNDER WITH THE MINIMUM SPACING INDICATED.
  - NEW SURFACE (ASPHALT, CONCRETE, TURF, DIRT, ETC.) TO MATCH EXISTING IN QUALITY AND COLOR (FOR DIRT RESEED). PROVIDE EXPANSION JOINTS AT CONCRETE WALK TO ALIGN WITH EXISTING.

**2 CONDUIT TRENCH DETAIL**  
E2.0 NO SCALE



10-01-2021  
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 100 Howe Ave., Suite 235N  
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 Tel: (916) 923-4400 Fax: (916) 923-4410  
 PROJECT #: 20125.21



Agency approval  
 City Approvals  
**Public Works Department**  
 Approved by: *[Signature]*  
 Date: *[Date]*  
 City Engineer, Stockton, CA

Issue: 100% CDs W/ PLAN  
CHECK CORRECTIONS  
9-20-2021

No.	Date	Description

Project  
**McNair Soccer Complex Phase - 2**  
 9820 Ronald E. McNair Way Stockton CA 95210

Architect of Record	JH
Project Architect	JH
Drawn By	PF
Checked By	PN
File Date	

Sheet Title  
**ONE LINE DIAGRAM, PANEL SCHEDULE, AND DETAILS**  
 Project Number  
 CR16024  
 Reference North  
 Sheet Scale  
 Sheet Number  
**E2.0**

5463.13C