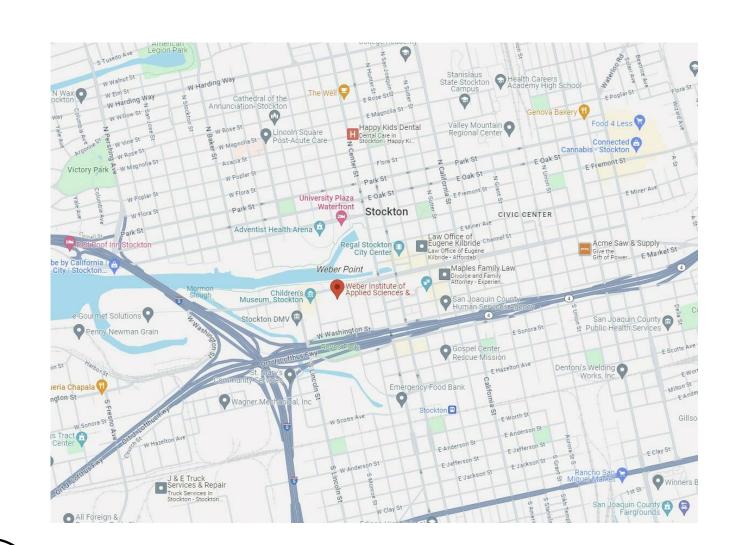
# WEBER INSTITUTE OF APPLIED SCIENCES AND TECHNOLOGY

302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT



# LCAP PRE-K PLAYGROUND PROJECT



#### APPLICABLE CODES [Effective January 1, 2023 (u.o.n.)]:

2022 NFPA 72, NATIONAL FIRE ALARM CODE

#### INSPECTOR CLASSIFICATION:

CLASS 3

**DEFERRED APPROVALS:** 

NONE

#### DSA PROJECT TRACKING NUMBER: 68676-278

FILE NUMBER: 39-H7

APPLICATION NUMBER: 02-122466

PLAY APPARATUS FOR AGES 2-5 INSTALLED OVER FALL PROTECTION

AREA, PROVIDE NEW CONCRETE WALKWAY, REPAINT TRIKE PATH GRAPHICS ON NEW CONCRETE WALKWAY, AND PROVIDE A NEW TREE AND NEW PICNIC TABLES. PROVIDE NEW BOLLARDS AT DROP OFF ZONE.

CLASSROOM BUILDING UPGRADES TO INCLUDE THE DEMOLITION OF TWO SMALL STORAGE ROOMS TO ALLOW FOR THE EXPANSION OF THE EXISTING PRESCHOOL CLASSROOM TOILET ROOM TO MAKE RESTROOM ACCESSIBILE. REMOVE AND SALVAGE EXISTING PLUMBING FIXTURES, TOILET PARTITIONS AND ACCESSORIES, AND CASEWORK TO BE REINSTALLED. REPLACE (E) DRINKING FOUNTAIN WITH NEW HI-LO DRINKING FOUNTAIN AND PROVIDE ACCESSIBLE GUARDRAILS AT EXTERIOR OF BUILDING.

#### **EXEMPTIONS**

PLAYGROUND EQUIPMENT IS NOT PART OF DSA/SSS & FLS REVIEW AS PER DSA IR A-22.

FENCING IS NOT PART OF DSA/SSS & FLS REVIEW AS PER DSA IR A-22.

NEW SHADE STRUCTURE TO COMPLY WITH DSA IR 31-1.

CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED. REFER TO DSA 103-22 IN THE PROJECT MANUAL

EPOXY SHEAR DOWELS IN SITE FLATWORK IS EXEMPT FROM STRUCTURAL TESTS & SPECIAL INSPECTIONS. REFER TO DSA 103-22 IN THE PROJECT MANUAL.

#### **OWNER**

STOCKTON UNIFIED SCHOOL DISTRICT

56 South Lincoln Street Stockton, CA 95203

SUPERINTENDENT: Michelle Rodriguez

P: (209) 933-7070 E: mrodriguez@stocktonusd.net

**DISTRICT FACILITIES PLANNING:** Vickie Brum P: (209) 933-7045 E: vbrum@stocktonusd.net

#### **CIVIL ENGINEER**

MVE INC.

1117 L. Street Modesto, CA 95354 P: (866) 536-4214 F: (866) 932-9683 E: dmartis@mve.net www.mve.net

**DESIGN TEAM:** 

Derek A. Martis, P.E. QSD/QSP I VP/Sr. Civil Engineer Ryan May, EIT I Sr. Project Manager / Assistant Civil Engineer

#### **ARCHITECT**

**ARCHITECHNICA** 

555 W. Benjamin Holt Drive, Suite 423 Stockton, CA 95207 P: (209) 952-5850 F: (209) 952-2442 E: hello@architechnica.net www.architechnica.net

**DESIGN TEAM:** Bob Machado, AIA - Principal Architect Tim Dearborn, AIA - Principal Architect Heidi Van Dyk, AIA - Project Architect Leilani Gnall-Gregory - Senior Project Manager Janelle Yang - Designer Haya Dajani - Designer Moises Torres - Designer Jevcy Satram - Designer

#### MECHANICAL ENGINEER

**ALEXANDER SCHEFLO & ASSOCIATES** 

2926 Pacific Ave Stockton, CA 95204 P: (209) 948-9761 ext. 1003 F: (209) 948-1258 E: mitch@aschefloeng.com www.aschefloeng.com

**DESIGN TEAM:** Mitch Scheflo, P.E. - Mechanical Engineer

#### **ELECTRICAL ENGINEER**

HCS ENGINEERING INC.

4512 Feather River Dr., Suite F Stockton, CA 95219 P: (209) 478-8270 F: (209) 478-2169 E: richard@hcs-eng.com www.hcs-eng.com

**DESIGN TEAM:** Richard Smith, P.E. - Principal Electrical Engineer

#### **ALL WORK SHALL CONFORM TO 2022 TITLE 24,** CALIFORNIA CODE OF REGULATIONS (CCR).

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

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 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).

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SUBSTITIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR.



**F**: (209) 952-2442





WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 

302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

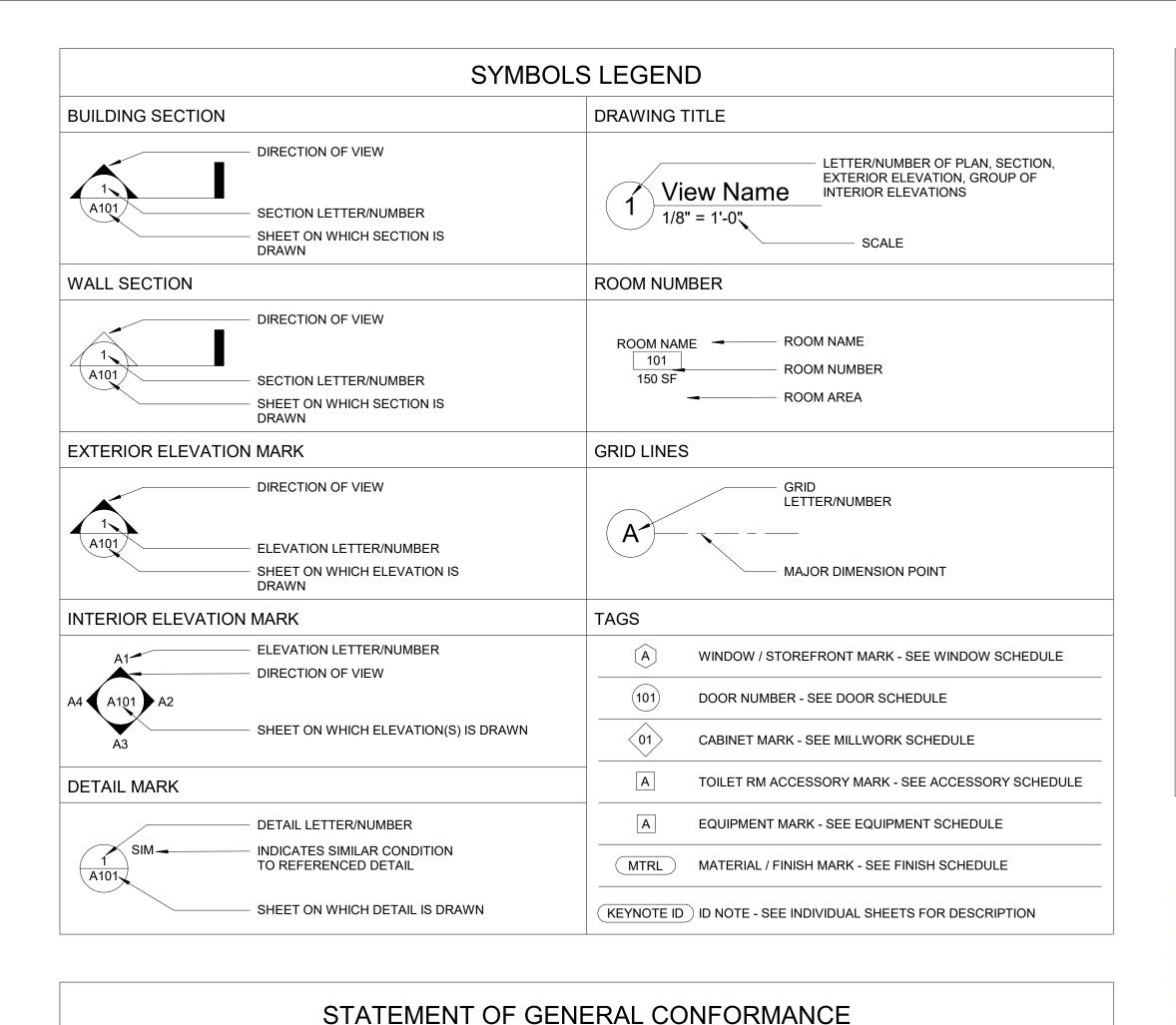
**REVISIONS** 

PROJECT NO: 2023-16 ISSUE SET: DSA SUBMITTAL ISSUE DATE: 07/17/2024

DRAWN BY: HD

**COVER SHEET** 

G0.0



(APPLICATION NO. 02-122466 FILE NO. 39-H7)

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH

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,

DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE

COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS

05/24/2024

12 / 2025

DEM DEMOLITION

**Expiration Date** 

Date

X THE DRAWINGS OR SHEETS LISTED ON THE SHEET INDEX

SECTION 4-317[b])

TIMOTHY DEARBORN, AIA

Signature

Print Name

C-25928

ADJ

AΠ

ACT

License Number

THIS DRAWING, PAGE OF SPECIFICATIONS / CALCULATIONS

DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

PROJECT SPECIFICATIONS PREPARED BY ME, AND

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

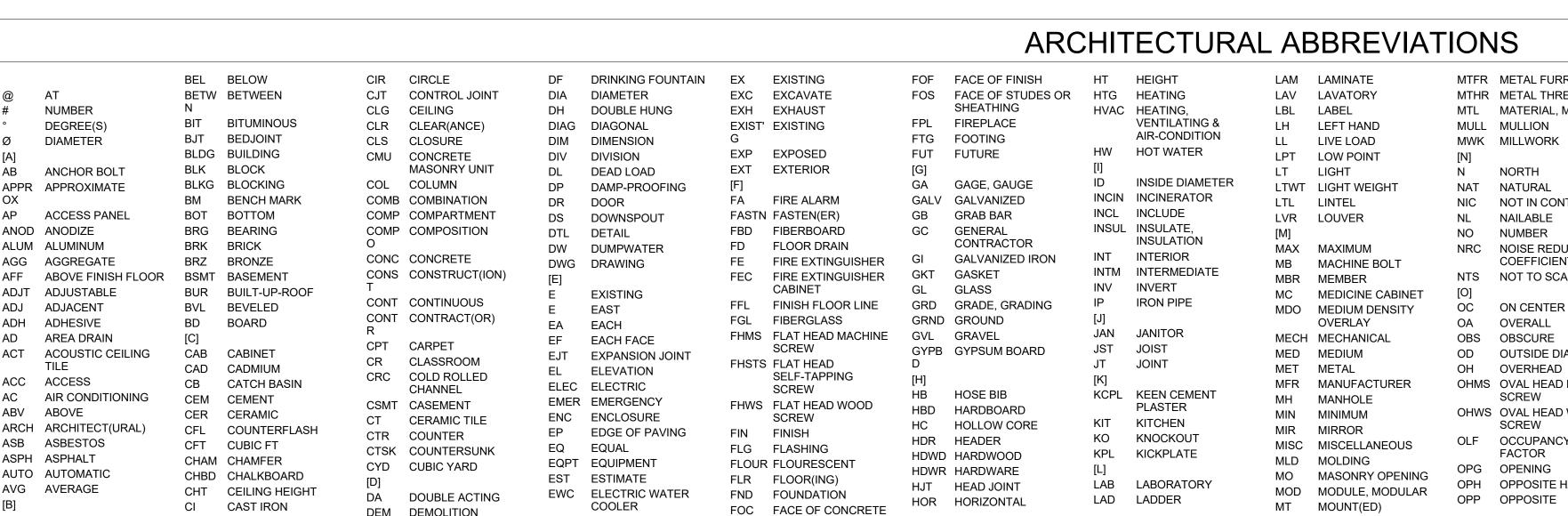
#### **DESIGN DATA** FOR USE BY THE DIVISION OF THE STATE ARCHITECT A - (EXISTING) GRACELLA WOODRUFF BUILDING 34954, 43947, 100546, 102235, 104653, 113624, 115559, 116693 OCCUPANCY GROUP A2.1, E-1 I-B, V-N (FIRE SPRINKLERED) CONSTRUCTION TYPE FLOOR AREA 74.854 SF #02-122466 (THIS APP. OCCUPANCY GROUP II-B (NON SPRINKLERED) CONSTRUCTION TYPE ALLOWABLE AREA 14,500 SF OCUPANT LOAD FACTOR 20 SF / PERSON TOTAL OCCUPANT **DESIGN CRITERIA** ASCE 7-16 SNOW = 0 PSF RISK CATEGORY = II V = 93 MPHVasd = 72 MPH SEISMIC RISK CATEGORY = II SITE CLASS = D (DEFAULT) Ss = 0.736SDS = 0.594SDC = DSOIL BEARING CAPACITY: 1,500 PSF CLIMATE ZONE: 12 TOTAL AREA 74,854SF EXISTING) SOLAR PANEL SHADE STRUCTURES (3 TOTAL)

# WEBER INSTITUTE OF APPLIED SCIENCE AND TECHNOLOGY

#### Cross Sections with 1% Annual Chance and does not represent an authoritative With BFE or Depth - - Coastal Transect HAZARD AREAS Regulatory Floodway Zune AE, AO, AH, VE, AF ..... Base Flood Elevation Line (BFE) Selected FloodMap Boundary Limit of Study 0.2% Annual Chance Flood Hazard, Areas Jurisdiction Boundary Digital Data Available of 1% annual chance flood with average depth less than one foot or with drainage - Coastal Transect Baseline No Digital Data Available areas of less than one square mile Zoon OTHER \_ \_ Profile Baseline Future Conditions 1% Annual Chance Flood Hazard Zone X MAP PANELS Hydrographic Feature NO SCREEN Area of Minimal Flood Hazard Zone: GENERAL --- Channel Culvert, or Storm Sewe Area with Reduced Flood Risk due to STRUCTURES | 111111 Levee, Dike, or Floodwall Levee. See Notes, Zone X Effective LOMRs FLOOD HAZARD Area with Flood Risk due to Levee Zone D Area of Undetermined Flood Hazard Zone D Otherwise Protected Area OTHER AREAS Coastal Barrier Resource System Area

#### FLOOD MAP

N.T.S.



SHEET INDEX CA ENERGY CODE **ACCEPTANCE TESTS GENERAL** G0.0 COVER SHEET G0.1 ABBREVIATIONS, DESIGN DATA, SYMBOL LEGEND & SHEET INDEX THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY G1.1 LOCAL FIRE AUTHORITY REVIEW SITE PLAN INSTALLED LIGHTING CONTROLS, MECHANICAL G1.2 ACCESSIBILITY SITE PLAN REVIEW SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT CIVIL COMPLETEION. AB ACCEPTANCE TEST IS A GN1 GENERAL NOTES AND SPECIFICATIONS FUNCTIONAL PERFORMANCE TEST TO HELP TO1 EXISTING TOPOGRAPHY AND DEMOLITION PLAN **ENSURE THAT NEWLY INSTALLED EQUIPMENT IS** OPERATING IN COPLIANCE WITH ENERGY CODE. CS1 CALCULATED SITE PLAN GP1 GRADING AND DRAINAGE PLAN LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE ER1 EROSION CONTROL PLAN PERFORMED BY A CERTIFIED LIGTING CONTROLS ER2 EROSION CONTROL NOTES AND DETAILS ACCEPTACE TEST TECHNICIAN (ATT). MECHANICAL SYSTEM ACCEPTANCE TESTS MUST ARCHITECTURAL BE PERFORMED BY A CERTIFIED ATT FOR A1.1 SITE PLAN - EXISTING

A1.2 SITE PLAN - (ENLARGED) EXISTING

A1.5.1 SITE PLAN - (ENLARGED) PROPOSED (ALL ABOUT PLAY)

A1.5.2 STE PLAN - ENLARGED DROP OFF / LOADING ZONE

A2.1 EXISTING STAFF RESTROOMS SERVING PROJECT

A2.2 PRESCHOOL TOILET ROOM SERVING PROJECT

A3.1 PRESCHOOL TOILET REFLECTED CEILING PLAN

A1.3 SITE PLAN - DEMO

A1.6 IRRIGATION PLAN

A1.7 SITE DETAILS

A1.8 SITE DETAILS

A1.9 SITE DETAILS

A1.10 SITE DETAILS

A1.4 SITE PLAN - PROPOSED

A10.1 MISCELLANEOUS DETAILS

A11.3 ACESSIBILITY DETAILS (PRE-K)

S1.1 STRUCTURAL GENERAL NOTES

S1.2 METAL STUD AND STRUCTURAL DETAILS

P2.2 DEMOLITION / NEW PLUMBING FLOOR PLAN

A11.2 ACCESSIBILITY DETAILS

A11.1 SIGNAGE DETAILS

MECHANICAL & PLUMBING

E0.1 GENERAL NOTES

ET24 COMPLIANCE

SHEET COUNT: 47

PLAYGROUND APPARATUS

FABRIC SHADE STRUCTURE S1 COVER SHEET

**ELEVATION DETAILS** 

S3 TYPICAL CANOPY DETAILS S4 REFERENCE TABLES

S5 SPECIFICATION INFORMATION

S6 EXAMPLE FORM DSA 103 - TEST & INSPECTIONS

M2.2 MECHANICAL FLOOR PLAN

E0.2 GENERAL NOTES, LEGEND E0.3 FIRE ALARM DETAILS

E0.4 COMMON ELECTRICAL DETAILS E1 OVERALL BUILDING PLAN

E2 DEMOLITION AND ELECTRICAL PLAN

P1 PLAYGROUND LAYOUT COMPLIANCE

P8.1 PLUMBING SCHEDULES

STRUCTURAL

**ELECTRICAL** 

PROJECTS SUBMITTED ON OR AFTER OCTOBER 1 **ENVELOPE AND PROCESS EQUIPMENT** ACCEPTANCE TESTS SHALL BE PERFORMED BY INSTALLING CONTRACTOR, ENGINEER/ARCHITECT

OF RECORD OR THE OWNER'S AGENT. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-

PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

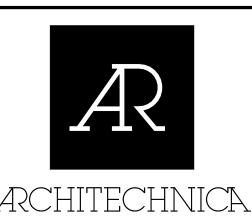
AL AE	BBREVIAT	101	IS										
LAM LAV LBL LH LL LPT LT LTWT LTL LVR [M] MAX MB MBR MC MDO	LAMINATE LAVATORY LABEL LEFT HAND LIVE LOAD LOW POINT LIGHT LIGHT WEIGHT LINTEL LOUVER  MAXIMUM MACHINE BOLT MEMBER MEDICINE CABINET MEDIUM DENSITY OVERLAY MECHANICAL MEDIUM METAL	MTFR MTHR MTL MULL MWK [N] N NAT NIC NL NO NRC NTS [O] OC OA OBS OD OH	METAL FURRING METAL THRESHOLD MATERIAL, METAL MULLION MILLWORK  NORTH NATURAL NOT IN CONTRACT NAILABLE NUMBER NOISE REDUCTION COEFFICIENT NOT TO SCALE  ON CENTER OVERALL OBSCURE OUTSIDE DIAMETER OVERHEAD	D PNL	PARALLEL PANIC BAR PARTICLE BOARD POUNDS PER CUBIC FOOT PEDESTAL PERFORMANCE PHILIPS HEAD WOOD SCREW PROPERTY LINE, PLATE PLASTER PLASTIC LAMINATE  POUNDS PER LINEAR FOOT PLYWOOD  PANEL PAINT	PTDF PTN PVC PVMT [Q] QT QUAN [R] RA RAD RCF RD REF REFG REG REINF RET	PRESSURE TREATED DOUGLAS FIR PARTITION POLY VINYL CHLORIDE PAVEMENT  QUART QUANTITY  RETURN AIR RADIUS REINFORCED CONCRETE FOOTING ROOF DRAIN REFERENCE REFRIGERATOR REGISTER REINFORCE RETURN	RWD RWL [S] S SC SCHE D SD SECT SER SH SHT SHTG SIM SPEC SPKR SQ SS SST ST	REDWOOD RAIN WATER LEADER  SOUTH SOLID CORE SCHEDULE  STORM DRAIN SECTION SERVICE SHELF SHEATHING SIMILAR SPECIFICATION SPEAKER SQUARE SERVICE SINK STAINLESS STEEL STEEL	TKBD TOPO TRANS TYP TO [U] UC	TOP OF CONCRETE TOP OF PAVING TOILET PARTITION TOUNGUE AND GROOVE TELEPHONE TERMINAL THICK(NESS) THRESHOLD TACKBOARD TOPOGRAPHICAL TRANSOM TYPICAL TOP OF UNDERCUT UNFINISHED URINAL	WC WD WF	VERTICAL GRAIN VERTICAL GRAIN DOUGLAS FIR VINYL TILE  WEST WAINSCOT WATER CLOSET WOOD WIDE FLANGE WIRE GLASS WALL HUNG, WATER HEATER WITH WROUGHT IRON WINDOW WITHOUT WEATHER PROOF WEATHER RESISTANT
MEI MFR MH MIN MIR	MANUFACTURER MANHOLE MINIMUM MIRROR	OHMS	OVERHEAD OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW	N PROP	PAINT PREFINISHED PROPERTY	REV RFG RFL RH	REVISION, REVISE ROOFING REFLECTANT(IVE) RIGHT HAND	STD STG STOR STRU	STEEL STANDARD SEATING STORAGE STRUCTURAL	VJ VAR VCT	VERTICAL JOINT VARNISH VINYL COMPOSITION TILE	WT WWF	WEIGHT WELDED WIRE FABRIC
MISC MLD MO MOD	MIRROR MISCELLANEOUS MOLDING MASONRY OPENING MODULE, MODULAR	OLF OPG OPH	OCCUPANCY LOAD FACTOR OPENING OPPOSITE HAND	PSF PSI PT	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT	RHWS RM RO	ROUND HEAD WOOD SCREW ROOM ROUGH OPENING	CT SUSP SYM SYN	SUSPENDED SYMBOL SYNTHETIC	VERT VF	VENEER VERTICAL VINYL FABRIC VINYL FABRIC TACK		

ROW RIGHT OF WAY

SYS SYSTEM

WALL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 08/12/2024



555 West Benjamin Holt Drive, Suite 423 Stockton, California 95207 **P**: (209) 952-5850 **F**: (209) 952-2442 E: hello@architechnica.net

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CONSULTAN



WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 

302 W. WEBER AVE.

STOCKTON, CA 95203

SCHOOL DISTRICT

STOCKTON UNIFIED

REVISIONS

PROJECT NO: 2023-16

ISSUE SET: DSA SUBMITTAL

ISSUE DATE: 07/17/2024 DRAWN BY: HD

ABBREVIATIONS, DESIGN DATA, SYMBOL LEGEND & SHEET INDEX

G0.1

#### FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for

#### PROJECT INFORMATION School District/Owner: STOCKTON UNIFIED SCHOOL DISTRICT Project Name/School: PRE-K PLAYGROUND PROJECT WEBER INSTITUTE OF APPLIED SCIENCES AND TECHNOLOGY Project Address: 302 W. WEBER AVE, STOCKTON, CA 95203

1.	Has a fire hydrant flow test been performed within the past 12 months?	Yes □	No X			
	(If yes, provide a copy of the test data.)					
2.	Was the fire hydrant water flow test performed as part of this LFA review? Yes □			No X		
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes □		No X		
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate □	High □	Very High □		
	Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)					

Page 1 of 4 STATE OF CALIFORNIA DGS DSA 810 (revised 12/29/20) DEPARTMENT OF GENERAL SERVICES DIVISION OF THE STATE ARCHITECT

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

COV	IDITION MEANS AND METHODS RESOLUTION	ALTE	RNATE A	ACCEPTE	D
4.	Emergency vehicle access roadways do not meet CFC requirements.	Yes	No	N/A X	N/R
4a.	Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	Fire Hydrants: Number and spacing does not meet CFC requirements.			X	
5a.	Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.			X	
6a.	Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			X	
7a.	Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

#### School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by:	Title:	
Signature:	Date:	

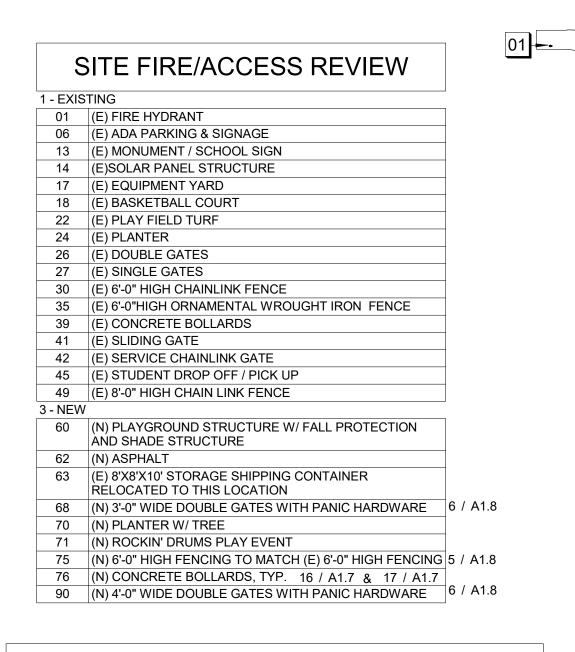
LOCAL FIRE AUTHORITY (LFA) INFORMATION						
LFA Agency Name:						
LFA Review Official:						
Title:	Work Phone:					
Work Email:						

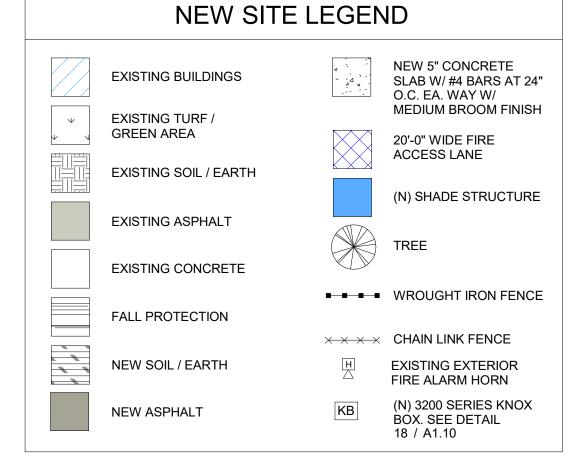
LFA Reviewer's Signature:

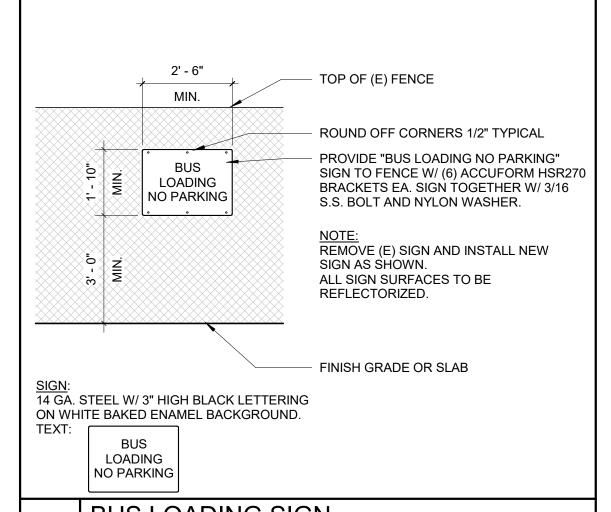
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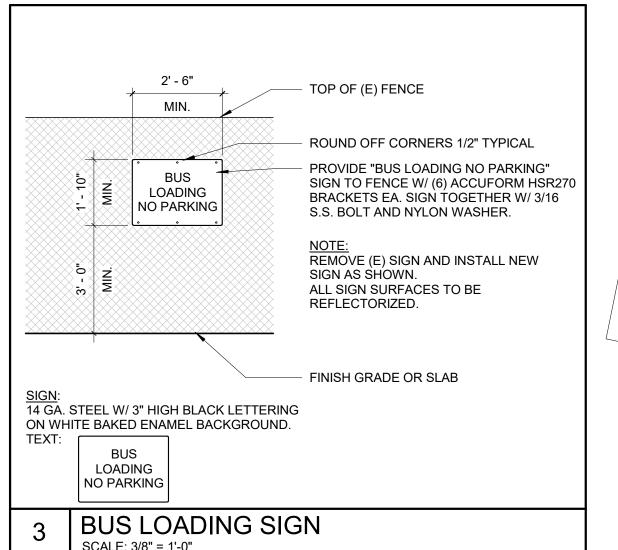
DEPARTMENT OF GENERAL SERVICES DIVISION OF THE STATE ARCHITECT

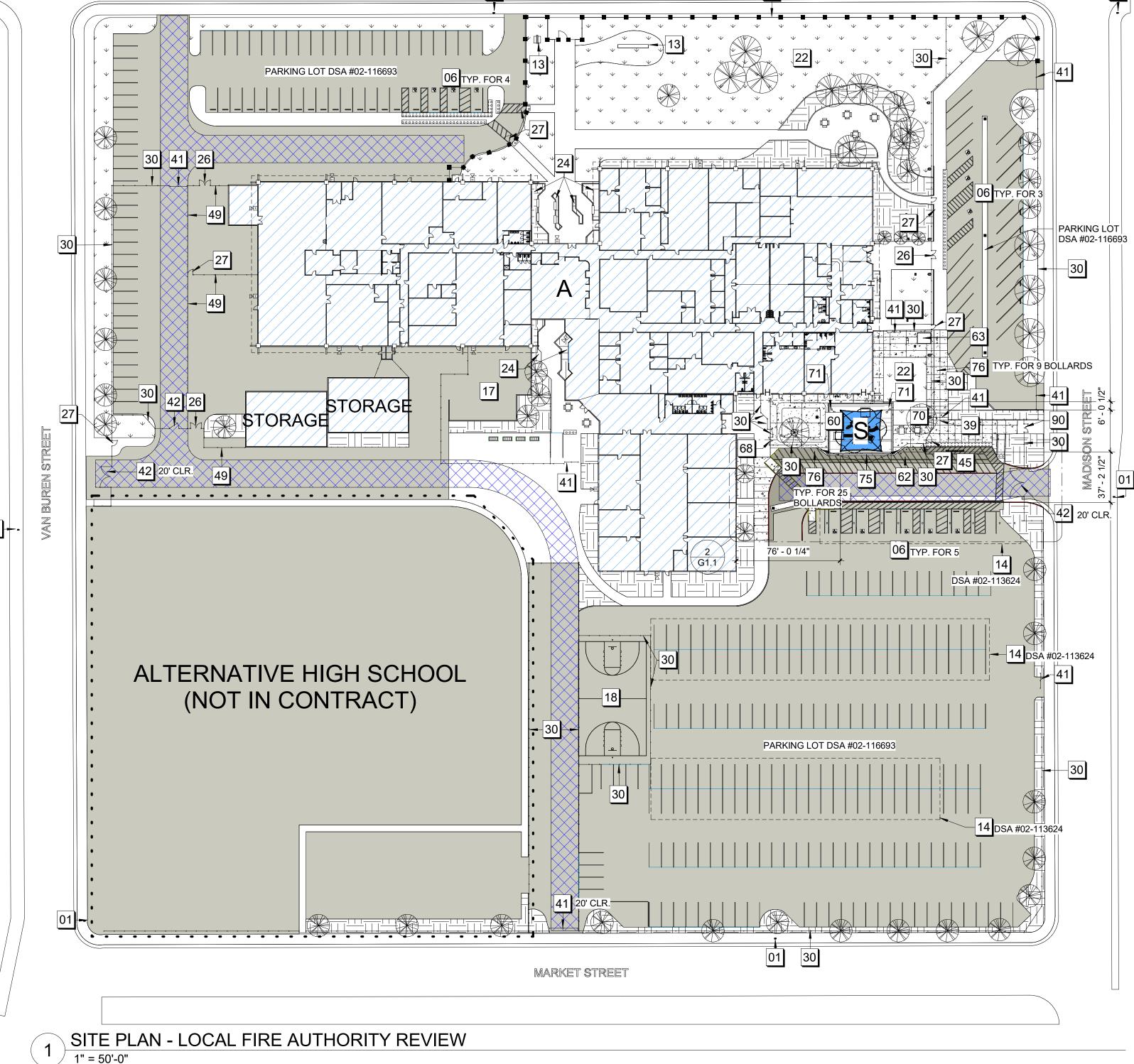
Page 2 of 4 STATE OF CALIFORNIA



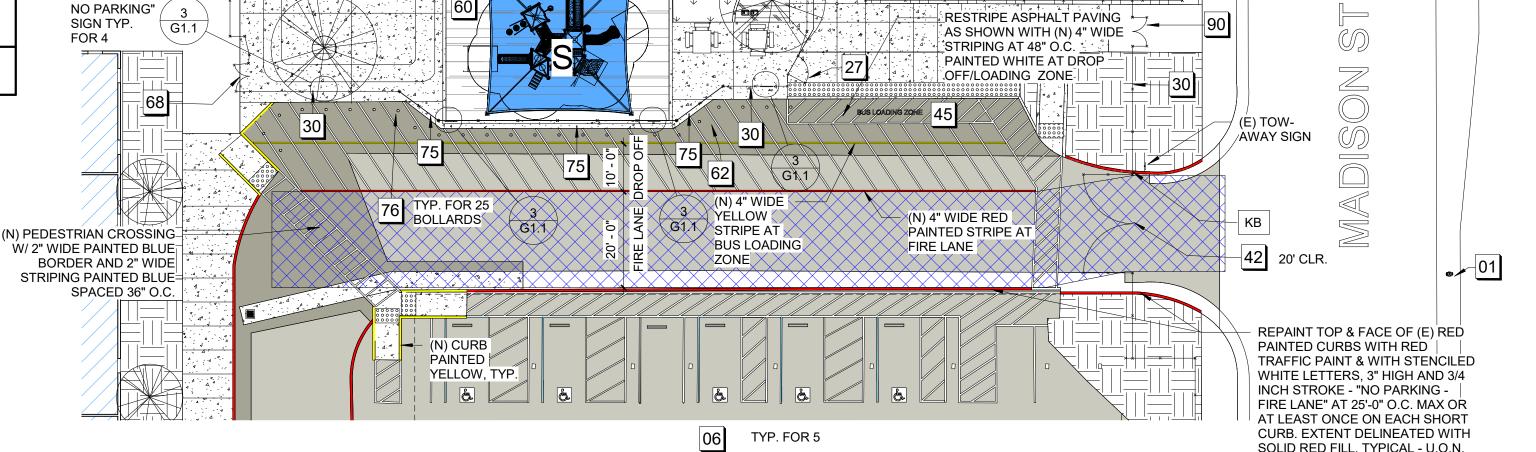








WEBER AVENUE



SOLID RED FILL. TYPICAL - U.O.N.

**IDENTIFICATION STAMP** DIV. OF THE STATE ARCHITEC APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: \_\_\_\_\_08/12/2024



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WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 

> 302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

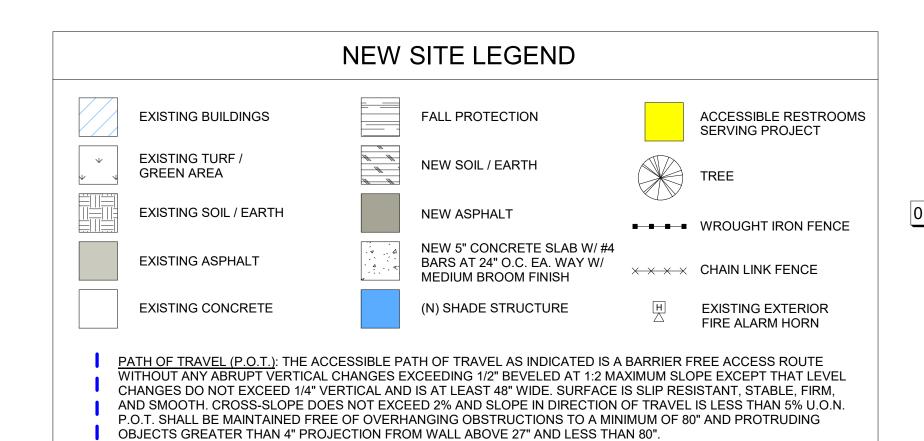
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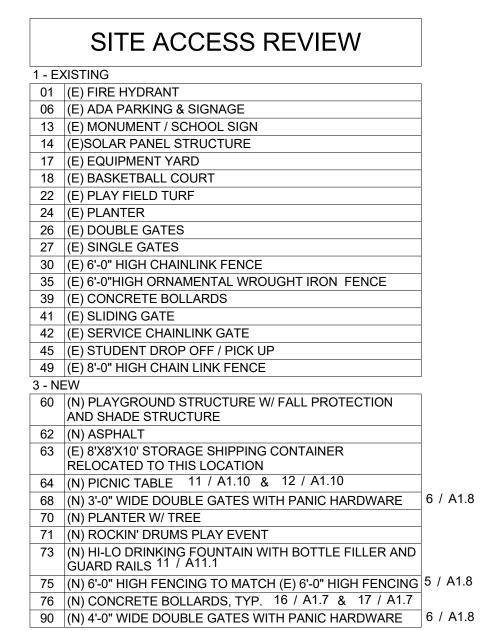
PROJECT NO: 2023-16

ISSUE SET: DSA SUBMITTAL ISSUE DATE: 5/24/2024 DRAWN BY: Author

LOCAL FIRE **AUTHORITY REVIEW** SITE PLAN

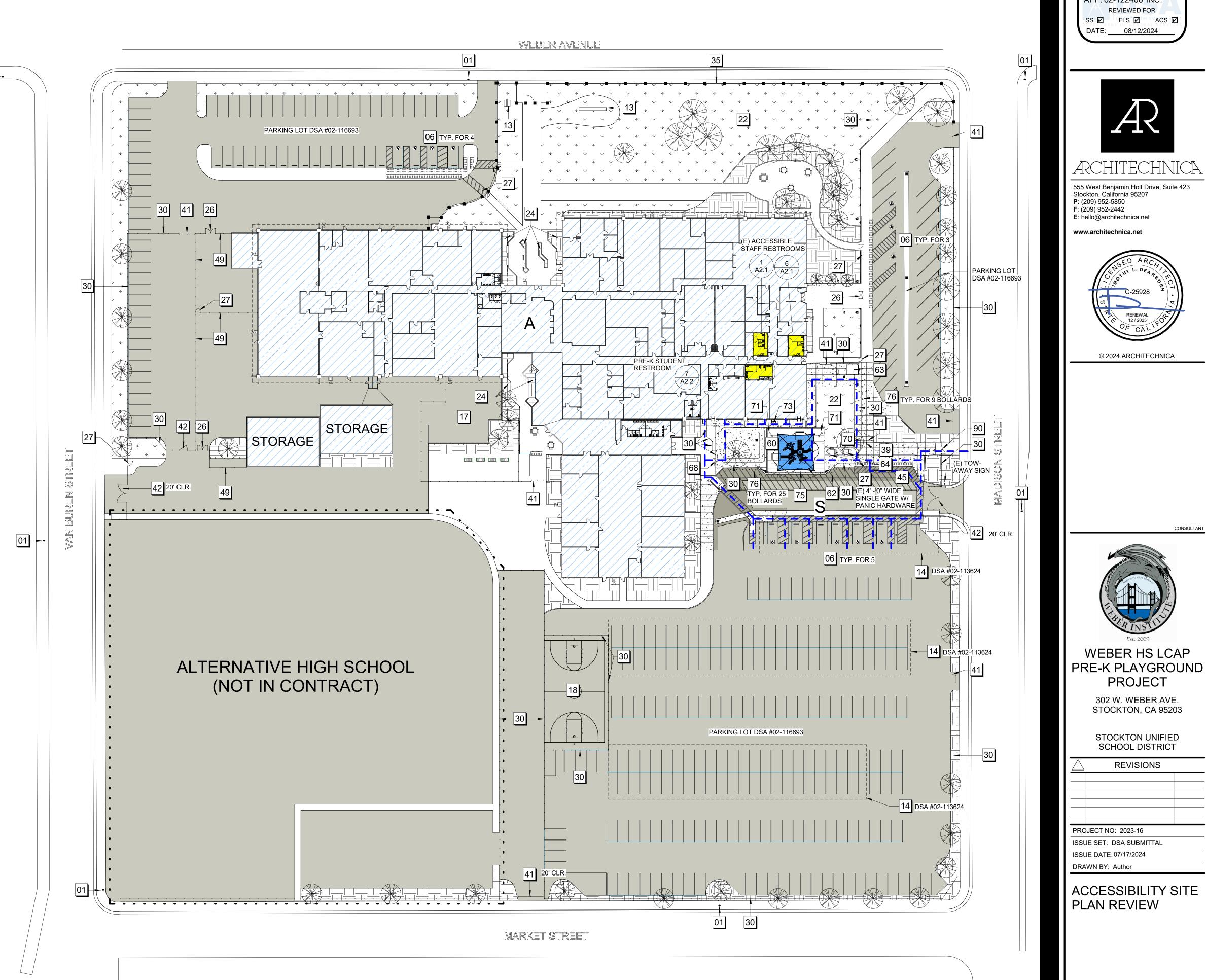
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**EXISTING TOW AWAY SIGN** 





IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

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WEBER HS LCAP

**PROJECT** 

302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

APP: 02-122466 INC:

#### MVE GENERAL CONSTRUCTION NOTES

- 1. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF STOCKTON STANDARDS AND SPECIFICATIONS AND ALL AMENDMENTS THERETO TO DATE AND THE LATEST EDITION OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (CALTRANS), WHERE APPLICABLE.
- 2. APPROVAL OF THE USE OF NON—APPROVED MATERIALS OR CONSTRUCTION TECHNIQUES MUST BE OBTAINED FROM THE CITY ENGINEER IN ADVANCE OF CONSTRUCTION.
- 3. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER AND/OR ENGINEER.
- 4. PRIOR TO STARTING ANY WORK, THE CONTRACTOR SHALL INVITE THE APPROPRIATE REGULATORY AGENCIES TO A PRE-CONSTRUCTION CONFERENCE.
- 5. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL SAFETY REGULATIONS PERTAINING TO HIS OPERATIONS. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY. THE CONTRACTOR'S ATTENTION IS CALLED TO THE REQUIREMENTS OF TITLE 8, CALIFORNIA ADMINISTRATION CODE, SUBCHAPTER 4, ARTICLE 6, "EXCAVATIONS, TRENCHES AND EARTHWORK."
- 6. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 7. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE CONSTRUCTION WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 8. APPROPRIATE DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, AND SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATIONS AND WITH LOCAL REQUIREMENTS.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SET OF "AS-BUILT" RED-LINED PLANS THAT SHOWS ANY CHANGES WHICH OCCUR DURING CONSTRUCTION. PRIOR TO FINAL ACCEPTANCE OF IMPROVEMENTS, THE CONTRACTOR SHALL SUBMIT THE AS-BUILT PLANS TO MVE.
- 10. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY WORK PERFORMED BY THE CONTRACTOR AND/OR OWNER BASED ON DRAWINGS, WHICH HAVE NOT BEEN SIGNED AND SEALED BY THE ENGINEER.
- 11. THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY STAKES AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.
- 12. EACH CONTRACTOR OR SUBCONTRACTOR SHALL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH PHASE OF WORK AND TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP, AND UNUSED MATERIAL IN A TIMELY MANNER, AT THEIR OWN EXPENSE.
- 13. WORK IN EASEMENTS AND/OR RIGHTS-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE REGULATORY AGENCY RESPONSIBLE FOR OPERATION AND/OR MAINTENANCE OF SAID EASEMENT AND/OR RIGHT-OF-WAY. FOR ALL WORK WITHIN PUBLIC RIGHTS-OF-WAY OR EASEMENTS, THE CONTRACTOR SHALL PRESERVE THE INTEGRITY AND LOCATION OF ANY AND ALL PUBLIC UTILITIES AND PROVIDE THE NECESSARY CONSTRUCTION TRAFFIC CONTROL. CONTRACTOR SHALL, THROUGH THE ENCROACHMENT PERMIT PROCESS, VERIFY WITH THE NECESSARY REGULATORY AGENCIES, THE NEED FOR ANY TRAFFIC ROUTING PLANS. IF A PLAN IS REQUIRED, CONTRACTOR SHALL PROVIDE PLAN AND RECEIVE PROPER APPROVALS PRIOR TO CONSTRUCTION.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER; ALL RE—TESTING AND/OR RE—INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL GIVE THE REVIEWING AGENCY 48 HOURS NOTICE PRIOR TO REQUIRING INSPECTION FOR ALL UNDERGROUND PIPELINES AND STREET CONSTRUCTION. BACKFILL SHALL NOT BE AUTHORIZED OVER UTILITY LINES UNTIL AFTER INSPECTION AND APPROVAL.
- 15. IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING REMAINING IMPROVEMENTS FROM DAMAGE. COSTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR REMOVAL AND/OR REPLACEMENT OF EXISTING IMPROVEMENTS. IF PLANS DO NOT DICTATE THAT RELOCATION OR REMOVAL MUST OCCUR, THEN A DESIGN CHANGE AND CHANGE ORDER SHALL BE PREPARED.
- 16. THE CONTRACTOR SHALL MAINTAIN A SET OF FULL—SIZE AS—BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL MECHANICAL; ELECTRICAL AND INSTRUMENTATION EQUIPMENT; PIPING AND CONDUITS; STRUCTURES AND OTHER FACILITIES. THE AS—BUILTS OF THE ELECTRICAL SYSTEM SHALL INCLUDE THE STREET LIGHT LAYOUT PLAN SHOWING LOCATION OF LIGHTS, CONDUITS, CONDUCTORS, POINTS OF CONNECTIONS TO SERVICES, PULL BOXES AND WIRE SIZES. AS—BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
- 17. PRIOR TO ACCEPTANCE OF THE PROJECT AND FINAL PROGRESS PAYMENT APPROVAL, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER (MVE, INC.) ONE SET OF CURRENT AS—BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE.
- 18. HISTORIC PRESERVATION: THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE PLANNING DEPARTMENT IN THE EVENT THAT HISTORIC OR PREHISTORIC ARCHAEOLOGICAL FEATURES ARE DISCOVERED DURING EXCAVATION. THE PLANNING DEPARTMENT SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICE. REMEDIAL ACTION SHALL BE PREPARED AND IMPLEMENTED BY THE DEVELOPER IN ACCORDANCE WITH IMPLEMENTATION MEASURES OF THE GENERAL PLAN.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND IMPLEMENT A TRAFFIC CONTROL PLAN AND SUBMIT TO THE CITY OF STOCKTON FOR APPROVAL A MINIMUM OF 3 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN TRAFFIC & ACCESS TO BUILDINGS AT ALL TIMES.
- 20. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE STATE OF CALIFORNIA, MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE ZONES. ANY PROPOSED DEVIATION OR MODIFICATIONS TO THESE TRAFFIC CONTROL REQUIREMENTS SHALL BE SUBMITTED TO THE CITY, COUNTY OR STATE, WHICHEVER IS APPROPRIATE, FOR APPROVAL.

#### GRADING & EARTHWORK:

- 1. EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF STOCKTON STANDARDS AND INDUSTRY STANDARDS.
- 2. ALL VEGETATION AND DELETERIOUS MATERIALS SHALL BE REMOVED FROM PROJECT AREA PRIOR TO CONSTRUCTION.
- 3. APPROPRIATE DUST CONTROL SHALL BE PROVIDED TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY.
- 4. ANY CHANGES IN PROPOSED GRADES REQUIRED IN ORDER TO ACHIEVE A BALANCE, MUST BE COORDINATED WITH THE ENGINEER.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE TO GRADE, MAINTAIN, AND PROVIDE PROPER DRAINAGE WITHOUT CAUSING SOIL EROSION OR DRAINING ONTO ADJACENT PROPERTIES.

#### **MONUMENT PRESERVATION NOTES:**

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY MONUMENTATION AND REFERENCE POINT WHICH MAY BE LOST OR DISTURBED AS RESULT OF THE WORK.
- 2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE LOCATION OF MONUMENTATION WHICH MAY BE DISTURBED, HE SHALL BE RESPONSIBLE FOR THE PRESERVATION OR REPLACEMENT OF ALL SUCH MONUMENTATION IN COMPLIANCE WITH 8771 OF THE BUSINESS AND PROFESSIONS CODE AND SECTIONS 732.5, 1492.5 AND 1810.5 OF THE CALIFORNIA STREETS AND HIGHWAY CODE
- 3. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO SET TIES TO ANY MONUMENT THAT MAY BE DISTURBED OR LOST DURING THE COURSE OF THE WORK. SUCH TIES SHALL BE SET IN LOCATIONS THAT WILL NOT OTHERWISE BE DISTURBED.
- 4. THE CONTRACTOR SHALL BEAR ALL COST OF SURVEY, RE—SURVEY, REFERENCE TIES, REPLACEMENT CORNERS, CORNER RECORDS, MAPPING, CHECKING AND RECORDING FEES WHICH MAY BE REQUIRED AS RESULT OF LOSS OR DISTURBANCE OF MONUMENTATION WHICH MAY OCCUR DURING THE COURSE OF THE WORK.

#### UTILITY NOTE

EXISTING UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM RECORD INFORMATION TO AID THE CONTRACTOR. CONTRACTOR SHALL VERIFY LOCATION (BOTH VERTICAL AND HORIZONTAL) OF ALL EXISTING UNDERGROUND LINES AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO THE START OF ANY WORK.

EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST FROM RECORDS BY OTHERS. THE OWNER AND ENGINEER DO NOT ACCEPT RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HAVE EACH UTILITY COMPANY ACCURATELY LOCATE IN THE FIELD THEIR MAINS AND SERVICE LINES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES, SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. CONTACT U.S.A. AT PHONE NO. 800–227–2600 OR 811.

NOTE: SECTION 1540(A)(1) OF THE CONSTRUCTION SAFETY ORDERS (TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540) ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973 AS AMENDED, WHICH STATES:

"PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATION I.E., SEWER, WATER, FUEL, ELECTRIC LINES, ETC. WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION."

#### CONSTRUCTION MATERIALS:

- UNLESS SPECIFICALLY NOTED HEREIN, ALL CONSTRUCTION MATERIALS INSTALLATION REQUIREMENTS, TESTING, AND INSPECTION REQUIREMENTS SHALL CONFORM TO CITY OF STOCKTON STANDARD SPECIFICATIONS AND DRAWINGS.
- 2. ASPHALT PAVING: ALL SUB-GRADE PREPARATION, BASE COURSE AND PAVING SHALL CONFORM TO THE STATE STANDARD SPECIFICATIONS. STRUCTURAL THICKNESSES ARE AS INDICATED IN THE PLANS. TESTS SHALL BE PERFORMED BY CONTRACTOR AS PER THE BELOW REQUIREMENTS:
- A. AGGREGATE BASE (A.B.) MATERIAL AND INSTALLATION SHALL BE PER SECTION 26 OF THE STATE STANDARD SPECIFICATIONS.
- B. ASPHALT CONCRETE (A.C.) MATERIAL AND INSTALLATION SHALL BE PER SECTION 39 OF THE STATE STANDARD SPECIFICATIONS.
- C. SUBGRADE PREPARATION SHALL CONFORM TO SECTION 25 OF THE STATE STANDARD SPECIFICATIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
- D. ALL ON—SITE NON—DECORATIVE AC PAVEMENTS SHALL RECEIVE A FOG SEAL IN ACCORDANCE WITH SECTION 37 OF THE CALTRANS STANDARD SPECIFICATIONS PRIOR TO STRIPING. DECORATIVE PAVEMENTS AND P.C.C. AREAS ADEQUATELY PROTECTED FROM OVERSPRAY, AND CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF OVER—APPLIED FOG SEAL.
- 3. THE PAVING CONTRACTOR SHALL ADJUST ALL UTILITY COVERS AND GRATES SUCH AS: MANHOLE, LAMPHOLE, WATER VALVE CASTINGS AND COVERS, TO FINISH GRADE AFTER PAVEMENT IMPROVEMENTS ARE COMPLETE.
- 4. CONCRETE: PORTLAND CEMENT CONCRETE MATERIAL AND INSTALLATION SHALL BE PER SECTION 40 OF THE STATE STANDARD SPECIFICATIONS.
- 5. UTILITY TRENCH EXCAVATION AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH THE STATE STANDARD SPECIFICATIONS.
- 6. UNLESS NOTED OTHERWISE, ALL APPURTENANCES INCLUDING, BUT NOT LIMITED TO, VALVES, HYDRANTS, BACKFLOW PREVENTERS, AND THRUST BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF STOCKTON STANDARDS.
- 7. CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS AND DEPTHS OF ALL PROPOSED TIE—INS TO EXISTING UTILITIES AND SHALL NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- 8. STORM DRAIN: ONSITE STORM DRAINAGE PIPING SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D-3034, SDR 35.

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APP: 02-122466 INC:

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DATE: 08/12/2024



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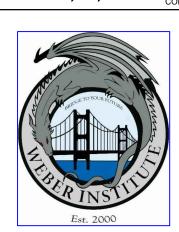
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07/17/24 CONSULTA



WEBER HS LCAP PRE-K PLAYGROUND PROJECT

302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

**REVISIONS** 

)	JECT NO: 2023-16, MVE NO:	NC23311
	IE SET: DSA SUBMITTAL	

ISSUE SET: DSA SUBMITTAL
ISSUE DATE: (07/17/2024

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GENERAL NOTES
AND SPECIFICATIONS

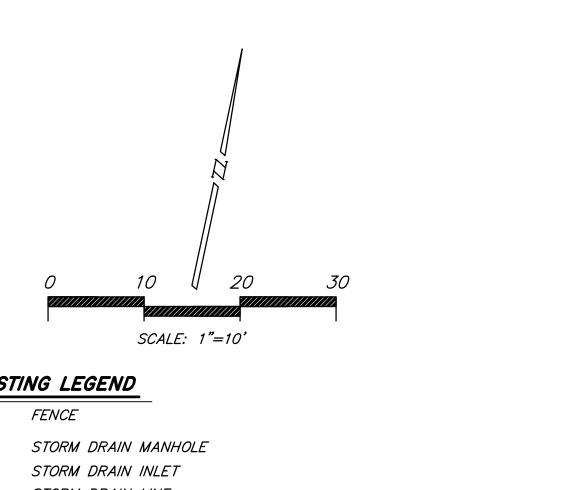


PRIOR TO CONSTRUCTION THE CONTRACTOR
SHALL CALL UNDERGROUND SERVICE ALERT
FOR UNDERGROUND CLEARANCE. USA WILL
PROVIDE INFORMATION ABOUT OR LOCATE
AND MARK UNDERGROUND FACILITIES.

#### UNAUTHORIZED CHANGES & USES

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

GN1



BUILDING

(SEE NOTE 1)

#### EXISTING LEGEND

STORM DRAIN LINE WATER VALVE □ /CV IRRIGATION CONTROL BOX CURB, GUTTER, & SIDEWALK · • · · • · · • CONCRETE SIGN(ADA PARKING ONLY) STREET LIGHT ELECTRIC BOX / PULL BOX SUPPORT POST

1. THERE IS A STORM DRAINAGE STORAGE AREA UNDER THE BUILDING. THE DI'S AROUND THE BUILDING DRAIN INTO THE STORAGE AREA.

BUILDING

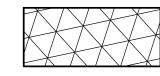
#### GENERAL NOTES

- ALL VEGETATION AND ROOTS, UNLESS OTHERWISE NOTED, TO BE REMOVED IN ACCORDANCE WITH INDUSTRY STANDARDS.
- 2. CONTRACTOR TO PROTECT ALL EXISTING UNDERGROUND UTILITIES IN PLACE UNLESS OTHERWISE NOTED.

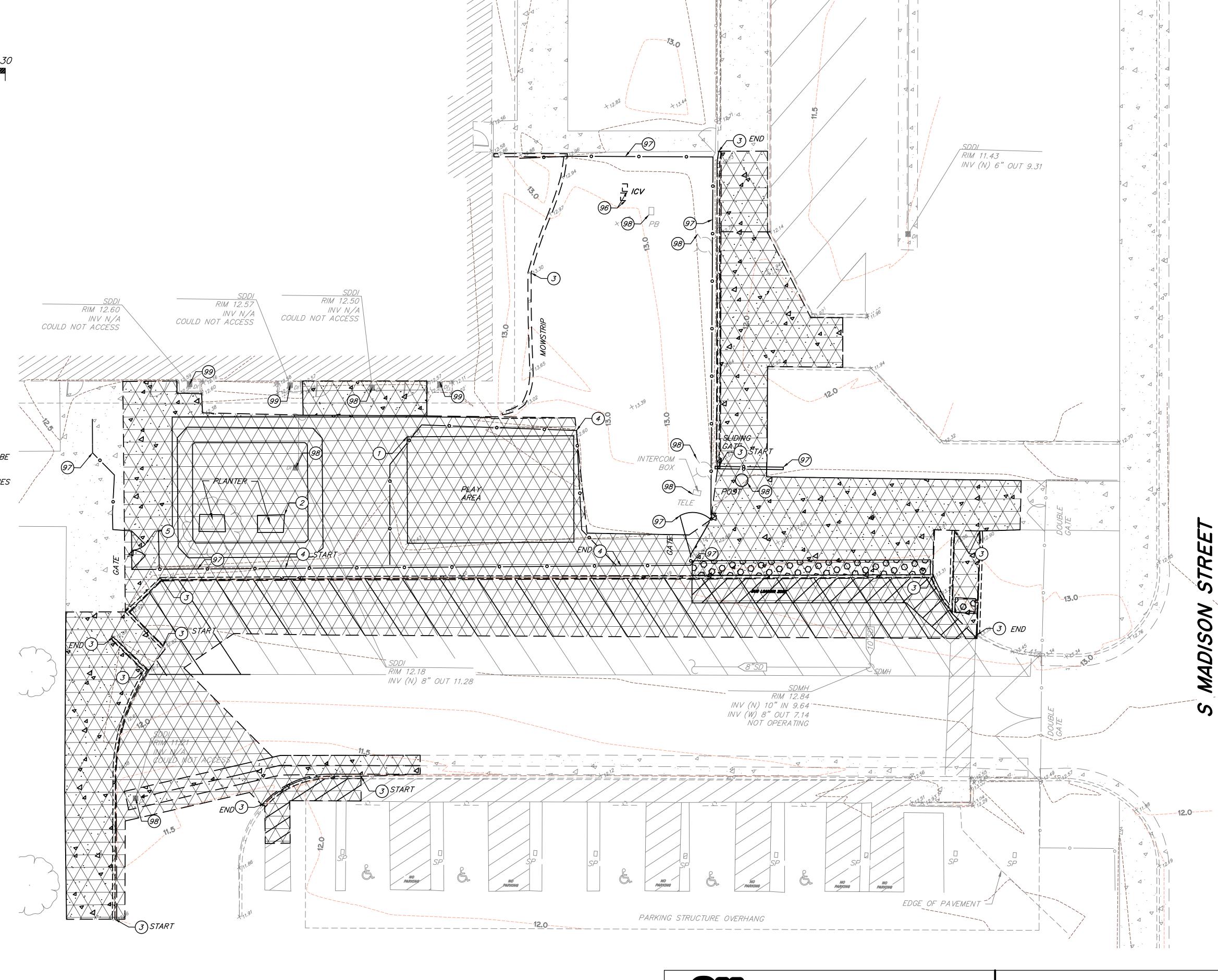
#### DEMOLITION NOTES

- (1) CONTRACTOR TO REMOVE THE PLAYGROUND STRUCTURE AND FALL PROTECTION SURFACE FROM SITE.
- 2 CONTRACTOR TO REMOVE THE PLANTER FROM SITE.
- (3) CONTRACTOR TO REMOVE THE CURB FROM SITE.
- (4) CONTRACTOR TO REMOVE THE FENCE FROM SITE.
- (5) CONTRACTOR TO REMOVE THE DOUBLE GATE FROM SITE.
- 6 CONTRACTOR TO REMOVE AND SALVAGE THE IRRIGATION VALVES FOR FUTURE USE
- (7) CONTRACTOR TO REMOVE AND SALVAGE THE EXISTING GATE AND FENCE.
- (98) CONTRACTOR TO PROTECT AREA DRAIN, PULL BOX, COMMUNICATION BOXES AND STREET LIGHT INSIDE DEMOLITION AREA IN PLACE.
- (9) CONTRACTOR TO PROTECT IN PLACE.

#### DEMOLITION LEGEND



CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT AND CONCRETE FROM SITE.





PROVIDE INFORMATION ABOUT OR LOCATE

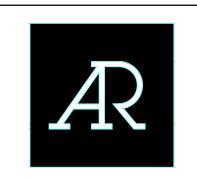
AND MARK UNDERGROUND FACILITIES.

Know what's below.

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NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

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WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 

> 302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

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	JECT NO. 2022 4C MVE NO.	NOOO

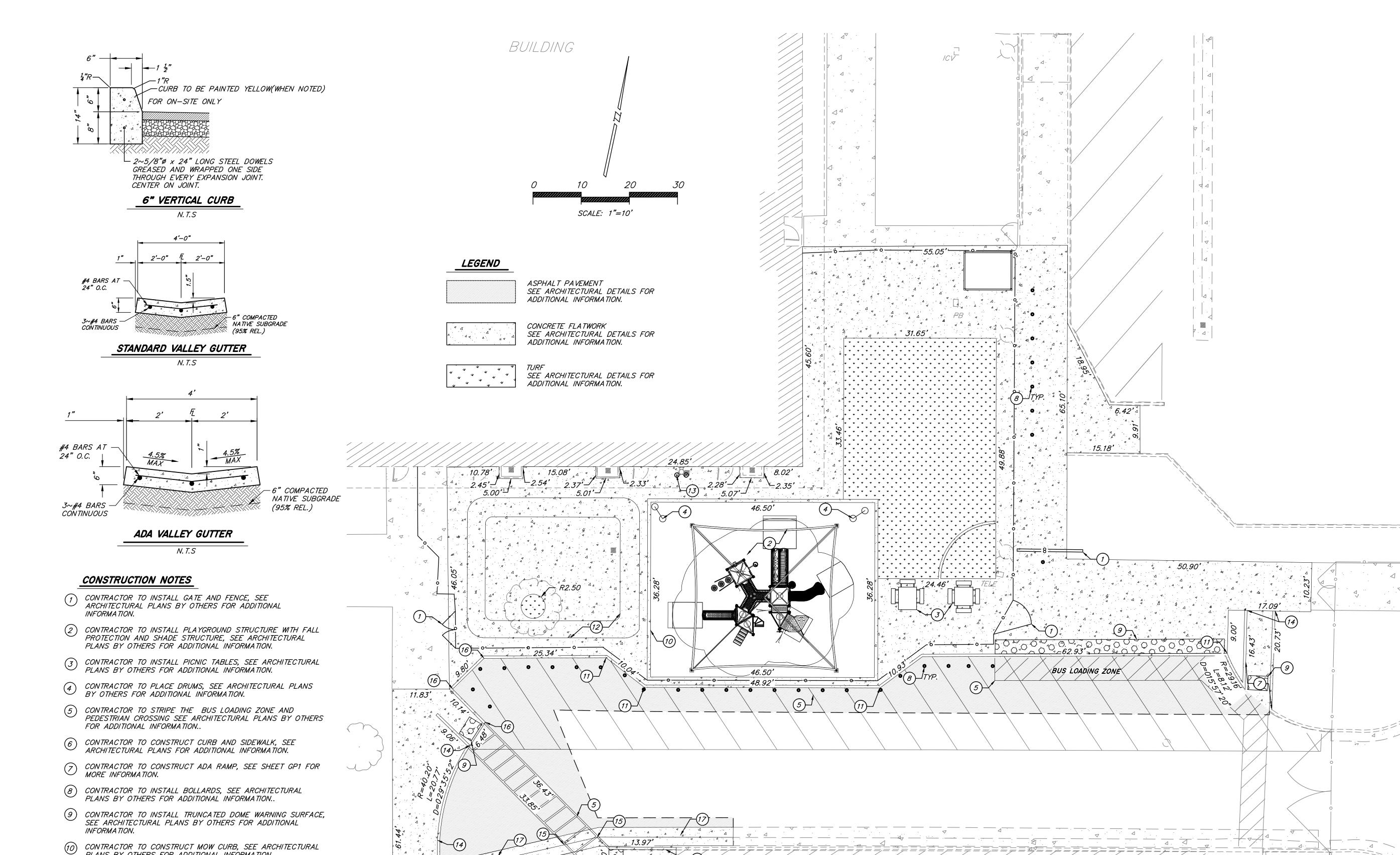
PROJECT NO: 2023-16, MVE NO: NC23311 ISSUE SET: DSA SUBMITTAL

ISSUE DATE: 07/17/2024 DRAWN BY: MS

**EXISTING** TOPOGRAPHY AND

DEMOLITION PLAN

**TO1** 



14.25

4.00' 14

PLANS BY OTHERS FOR ADDITIONAL INFORMATION.

(12) CONTRACTOR TO STRIPE TRIKE PATH, SEE ARCHITECTURAL

ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

(5) CONTRACTOR TO CONSTRUCT ADA VALLEY GUTTER. SEE ADA VALLEY GUTTER DETAIL THIS SHEET.

CONTRACTOR TO CONSTRUCT STANDARD VALLEY GUTTER, SEE STANDARD VALLEY GUTTER DETAIL THIS SHEET.

6 CONTRACTOR TO CONSTRUCT 6" VERTICAL CURB PAINTED YELLOW, SEE 6" VERTICAL CURB DETAIL THIS SHEET.

PLANS BY OTHERS FOR ADDITIONAL INFORMATION.

(13) CONTRACTOR TO INSTALL DRINKING FOUNTAIN, SEE

(14) CONTRACTOR TO CONSTRUCT 6" VERTICAL CURB, SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

(11) CONTRACTOR TO CONSTRUCT ZERO CURB, SEE ARCHITECTURAL PLANS BY OTHERS FOR ADDITIONAL INFORMATION.

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CALCULATED SITE

**PLAN** 

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT FOR UNDERGROUND CLEARANCE. USA WILL PROVIDE INFORMATION ABOUT OR LOCATE AND MARK UNDERGROUND FACILITIES.

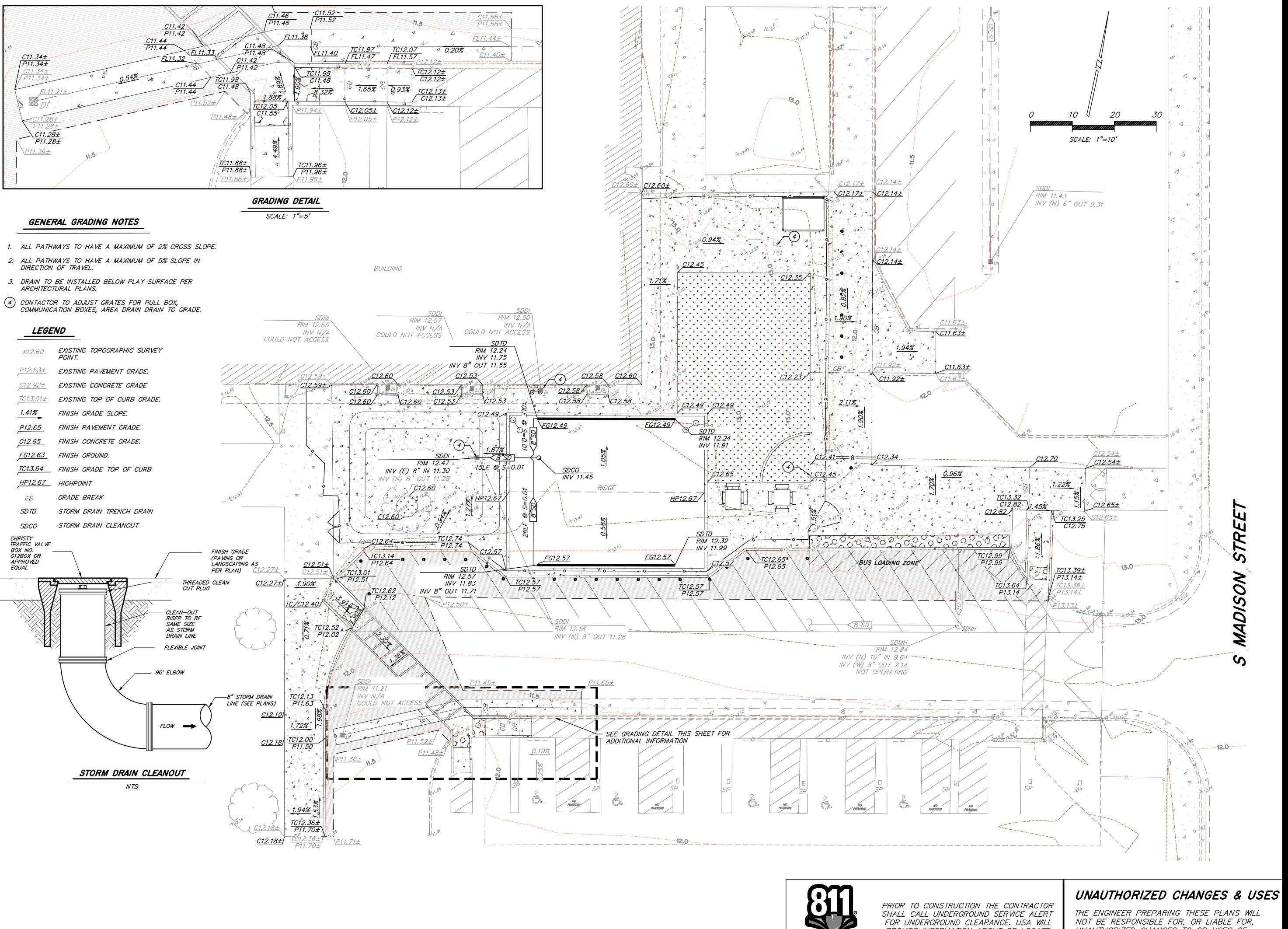
THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED

BY THE PREPARER OF THESE PLANS.

UNAUTHORIZED CHANGES & USES

CS1







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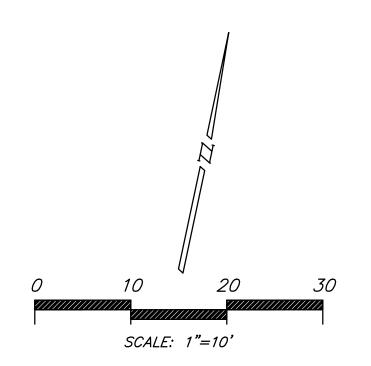
GRADING AND DRAINAGE PLAN



PROVIDE INFORMATION ABOUT OR LOCATE AND MARK UNDERGROUND FACILITIES.

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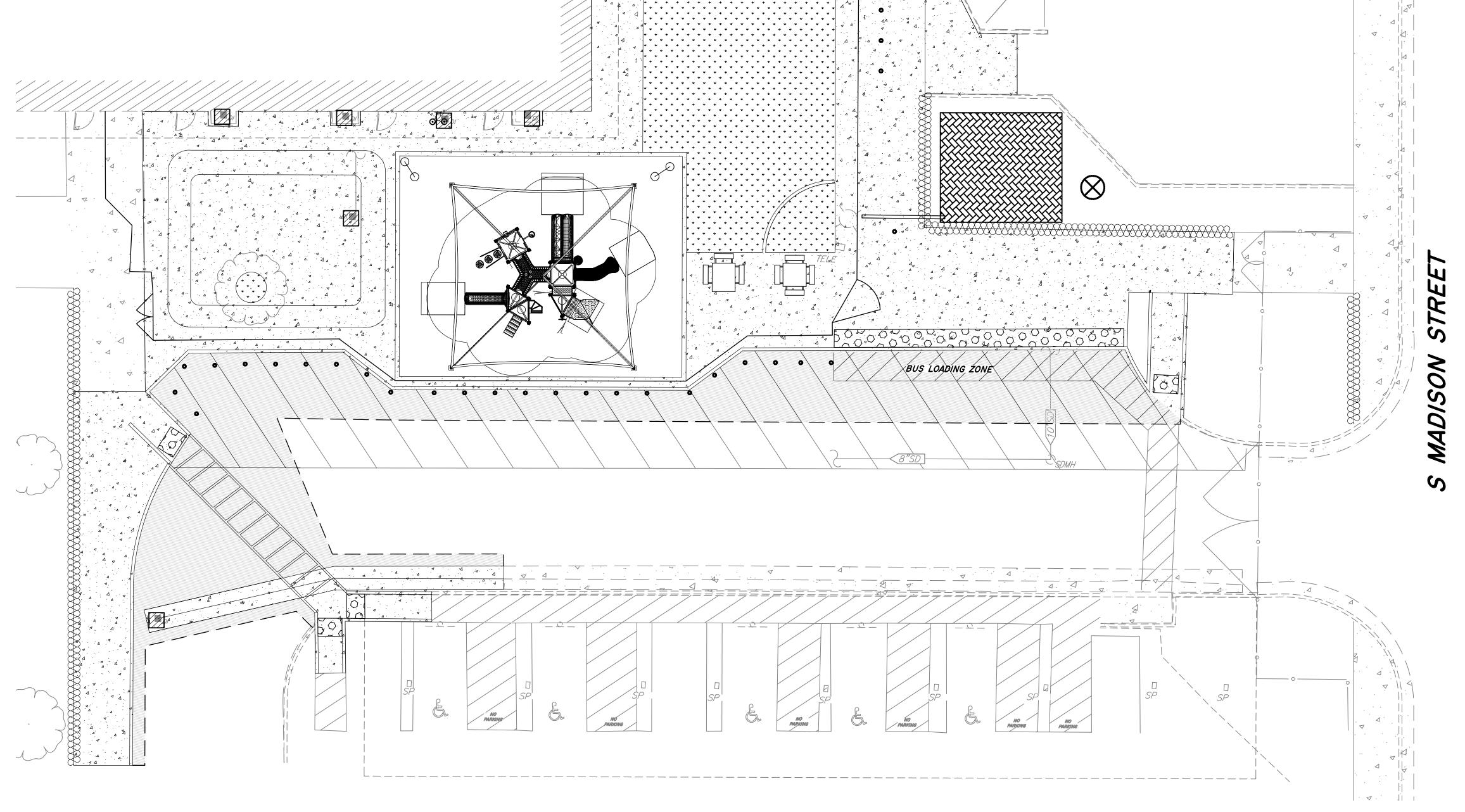
#### GENERAL NOTES

1. CONTRACTOR SHALL INSTALL INLET PROTECTION AT ALL STORM DRAIN INLETS THAT MAY BE SUSCEPTIBLE TO CONSTRUCTION INFLUENCE.

BUILDING

2. BMPS SHOWN SCHEMATICALLY. CONTRACTOR AND SITE QSP TO DETERMINE FINAL LOCATIONS IN THE FIELD.

	EROSION CONTROL LEGEND
SYMBOL	DESCRIPTION
$\otimes$	CONCRETE WASHOUT PER CASQA BMP WM-8.
	DRAINAGE INLET PROTECTION, TEMPORARY INLET INSERT, TYPICAL ALL DRAIN INLETS PER CASQA BMP SE-10.
	STORAGE / MAINTENANCE / AND FUELING AREA PER CASQA NS-8, 9, 10 WM-1 THROUGH WM-10
-XXXXXX	FIBER ROLL OR SILT FENCE, TYP. PER CASQA BMP SE-1 OR SE-5.
x	SAND BAG BERM TYP, PER CASQA BMP SE-6. SEE SHEET ER2 FOR DETAIL.



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PRIOR TO CONSTRUCTION THE CONTRACTOR
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UNAUTHORIZED C
UNAUTHORIZED CHANGES
THESE PLANS. ALL CHANGES

#### UNAUTHORIZED CHANGES & USES

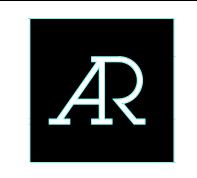
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APP: 02-122466 INC:

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DATE: 08/12/2024



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ISSUE SET: DSA SUBMITTAL

ISSUE DATE: 07/17/2024

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EROSION CONTROL PLAN

ER1

#### EROSION CONTROL NOTES

- 1. THE CONTRACTOR SHALL MAINTAIN AN EROSION CONTROL PLAN REFLECTING WORK COMPLETED/PROPOSED AND EROSION AND SEDIMENT CONTROL MEASURES TO BE TAKEN.
- 2. CONTRACTOR SHALL HAVE THE TRAINED PERSONNEL, TOOLS, EQUIPMENT, LABOR AND MATERIALS NEEDED TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES.
- 3. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN TIME TO BE 100% EFFECTIVE. SLOPE PROTECTIVE MATS, SEDIMENT TRAPS AND/OR DESILTING BASINS SHALL BE INSTALLED AS NEEDED TO CONTROL SEDIMENT TRANSPORTATION. GRADING SHALL COMPLY WITH THE REQUIREMENTS OF THE REGIONAL WATER QUALITY CONTROL
- 4. ALL EXISTING INLETS IN THE VICINITY SHALL BE PROTECTED BY THE INSTALLATION OF FILTER FABRIC, GRAVEL BAGS SILT BARRIERS AND OTHER SEDIMENT CONTROL MEASURE PER DETAILS HEREON SUCH MEASURES SHALL BE MAINTAINED UNTIL APPROVAL OF A NOTICE OF TERMINATION (NOT) BY THE STATE. CONTRACTOR SHALL PROVIDE AND MAINTAIN DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE VICINITY OF WORK. THIS INCLUDES ANY CATCH BASINS LOCATED IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY CATCH BASINS IN THE PARKING LOT.
- CONTRACTOR SHALL ENSURE THAT ALL DEVICES SHOWN SHALL BE IN PLACE THROUGHOUT THE DURATION OF THE 5. PROJECT BEFORE EACH WORKING DAY AND AT THE END OF THE WORKING DAY.
- 6. ALL EROSION AND SEDIMENT STRUCTURES SHALL BE INSPECTED AFTER EACH STORM AND AT THE END OF EACH WORKING DAY. STRUCTURES SHALL BE CLEANED OUT AND REPAIRED OR REPLACED AS NECESSARY, TO BE
- 7. ALL BASINS AND CHECK DAMS SHALL BE DRY AND ALL DEBRIS AND SOIL REMOVED WITHIN 24 HOURS AFTER EACH STORM EVENT.
- 8. ALL PAVED AREAS SHALL BE KEPT CLEAR OF ALL EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO THAT SEDIMENT RUNOFF DOES NOT ENTER THE STORM SYSTEM.
- 9. AS STORM DRAIN IMPROVEMENTS ARE CONSTRUCTED, ALL STRUCTURES AND INLET PIPES SHALL BE PROTECTED FROM INFLOW OF SILT BY THE INSTALLATION OF FILTER INSERTS, GRAVEL BAGS, SILT BARRIERS, AND OTHER SEDIMENT CONTROL MEASURES.
- 10. ADJACENT PROPERTIES SHALL BE PROTECTED FROM STORM WATER, MUD, SOIL, OR CONSTRUCTION MATERIALS
- 11. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EROSION CONTROL STRUCTURES AND DEVICES ON AND OFF SITE AT THE LOCATIONS SHOWN ON THE PLANS.
- 12. ALL COMPLETED DRAIN INLETS SHALL BE PROTECTED WITH SILT BARRIERS.
- 13. THE PERMITTEE OR CONTRACTOR SHALL ALERT STANDBY CREWS DURING RAINSTORMS.
- 14. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE GRADING PLAN, WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES. THE SWPPP SHALL BE UPDATED TO REFLECT ANY MODIFICATIONS.
- 15. CONTRACTOR SHALL REMOVE ALL LOOSE SOIL, SEDIMENT AND CONSTRUCTION DEBRIS FROM THE STREET AREAS UPON STARTING OPERATIONS AND AT THE END OF EACH WORKING DAY AND AS DIRECTED BY THE INSPECTOR. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
- 16. EXCEPT AS OTHERWISE DIRECTED BY THE INSPECTOR, CONTRACTOR SHALL INSTALL ALL BEST MANAGEMENT PRACTICE (BMP) DEVICES BEFORE EACH WORKING DAY AND THAT ALL BMP DEVICES SHALL BE DEPLOYED, INSPECTED, AND REPLACED THROUGHOUT THE COURSE OF THE PROJECT, REGARDLESS OF SEASON.
- 17. TO MINIMIZE EROSION OF GRADED BANKS, ALL GRADED BANKS STEEPER THAN 2.5:1 AND HIGHER THAN 5 FEET, SHALL BE HYDROSEEDED, LANDSCAPED OR SEALED IF THE PERMANENT STORM DRAIN SYSTEM IS NOT INSTALLED BY OCTOBER 1, TEMPORARY DITCHES SHALL BE CONSTRUCTED TO CONTAIN THE STORM WATER AND DIRECT IT, IN A MANNER THAT AVOIDS EROSION OF THE BANKS, TO THE EROSION AND SEDIMENT CONTROL FACILITIES. SEE SEED MIXTURE REQUIREMENT ON THIS SHEET.
- 18. AS A PART OF THE EROSION CONTROL MEASURES, THE UNDERGROUND STORM DRAIN FACILITIES SHOULD BE INSTALLED COMPLETE AS SHOWN ON IMPROVEMENT PLANS PREPARED BY MVE, INC.
- 19. ALL CUT AND FILL SLOPES ARE TO BE PROTECTED TO PREVENT OVER BANK FLOW.
- 20. THE CONTRACTOR SHALL PLACE DRAIN ROCK AS A GRAVEL ROADWAY (8" MIN. THICKNESS, 12 FEET MIN. WIDTH AND 50 FEET LONG) AT EACH ROAD ENTRANCE TO THE SITE. ANY MUD THAT IS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED THE SAME DAY.
- 21. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THESE PLANS IN THE FILED, SUBJECT TO APPROVAL OF THE INSPECTOR. ANY CHANGES WILL BE INDICATED IN THE SWPPP.
- 22. CONTROL MEASURES ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT. CONTACT PUBLIC WORKS CONSTRUCTION INSPECTION AT LEAST 48 HOURS PRIOR TO THE START OF ANY WORK TO ARRANGE FOR INSPECTION.
- 23. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES (SEEDED) TO THE SATISFACTION OF THE INSPECTOR.
- 24. SEDIMENT TRAPS SHALL BE CLEANED OUT WHENEVER SEDIMENT REACHES THE SEDIMENT CLEAN—OUT LEVEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN THE DESILTING BASINS AND THE SEDIMENT TRAPS. ALL MEASURES WILL BE INSPECTED DAILY BEFORE AND AFTER EACH STORM. BREACHES IN DIKES AND SWALES WILL BE REPAIRED AT THE CLOSE OF EACH DAY AND WHENEVER RAIN IS FORECAST.
- 25. EROSION CONTROL STRUCTURES SHALL BE ADJUSTED BY THE CONTRACTOR TO REFLECT ALL CHANGES IN DRAINAGE AS STREETS AND BUILDING PADS ARE INSTALLED.
- 26. CONTRACTOR SHALL SCHEDULE WORK THAT COULD LEAD TO EROSION OR SEDIMENT CONTROL ISSUES FOR DRY WEATHER DAYS WHEN NO RAIN IS IN THE IMMEDIATE FORECAST.

#### STRAW ROLLS CONSTRUCTION NOTES

- 27. FINISH THE SLOPE BEFORE THE STRAW ROLL INSTALLATION IS STARTED.
- 28. SHALLOW GULLIES SHOULD BE SMOOTHED AS WORK PROGRESSES.
- 29. DIG SMALL TRENCHES PARALLEL TO THE SLOPE CONTOUR, TO PLACE ROLLS IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE ROLL 2/3 OF ITS THICKNESS BECAUSE THE GROUND WILL SETTLE.
- 30. IT IS CRITICAL THAT ROLLS ARE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR.
- 31. START BUILDING TRENCHES AT CONTOUR INTERVALS OF 10 TO 25 FEET APART DEPENDING ON STEEPNESS OF SLOPE. THE STEEPER THE SLOPE, THE CLOSER TOGETHER THE TRENCHES.
- 32. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.
- 33. USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL FOR THE WILLOW OR **WOODEN STAKES.**
- 34. DRIVE THE STAKE THROUGH PREPARED HOLE INTO SOIL. LEAVE ONLY 1 TO 2 INCHES OF STAKE EXPOSED ABOVE THE ROLL
- 35. INSTALL STAKES AT A MAX DISTANCE OF 4 FEET APART ALONG THE WATTLE.
- 36. INSPECT ALL THE STRAW ROLLS AND THE SLOPES BEFORE AND AFTER STORMS. MAKE SURE THE ROLLS ARE IN CONTACT WITH THE SOIL. REPAIR ANY ROLLS OR GULLIES PROMPTLY. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL THE SLOPE IS STABILIZED.

#### GRAVEL CONSTRUCTION ENTRANCE SPECIFICATIONS

- 37. THE AGGREGATE SIZE FOR THE GRAVEL CONSTRUCTION ENTRANCE PAD SHALL BE 2-3 INCH DIAMETER STONE. PLACE THE PAD WHERE SHOWN ON THE PLANS AND WHERE NEEDED TO LIMIT SEDIMENT LEAVING THE SITE.
- 38. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 8 INCHES. USE GEOTEXTILE FABRICS, IF NECESSARY, TO IMPROVE STABILITY OF THE FOUNDATIONS IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.
- 39. THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 50 FEET AND NOT LESS THAN 12 FEET
- 40. THE PAD SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAVE AND/OR MAINTENANCE OF ANY MEASURES USED TO TRAP SEDIMENT.
- 41. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY. PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.
- 42. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO EXIT ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE THROUGH USE OF GRAVEL BAGS, STRAW WADDLES, OR OTHER APPROVED METHODS

#### SILT FENCE CONSTRUCTION SPECIFICATIONS

- 44. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. STORAGE HEIGHT AND PONDING HEIGHT SHALL NEVER EXCEED 9 INCHES.
- 45. THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE. THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. IF JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SLICED ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP AND BOTH ENDS SECURELY FASTENED TO
- 46. POSTS SHALL BE SPACED A MINIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA-STRENGTH FABRIC IS USED WITHOUT WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
- 47. TURN THE ENDS OF THE FENCE UPHILL TO PREVENT ESCAPE OF UNFILTERED FLOWS.
- 48. WHEN STANDARD—STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POST USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- 49. WHEN EXTRA—STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.
- 50. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE TOE OF THE FILTER FABRIC.
- 51. SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE IN ORDER TO INCREASE PONDING VOLUME.
- 52. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED AND ANY SEDIMENT STORED BEHIND THE SILT FENCE HAS BEEN REMOVED.
- 53. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED DAILY AND BEFORE AND AFTER EACH SIGNIFICANT RAINFALL ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- 54. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES MAXIMUM, WHICHEVER IS LESS.
- THE REMOVED SEDIMENT SHALL CONFORM WITH THE EXISTING GRADE AND BE VEGETATED OR OTHERWISE STABILIZED.

#### STORM DRAIN NPDES PERMIT

56. TO COMPLY WITH THE STATE OF CALIFORNIA'S STATEWIDE GENERAL NPDES PERMIT. REGULATING DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM SOIL DISTURBANCES OF 1 ACRE OR MORE. A NOTICE OF INTENT (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE FILED AND APPROPRIATE FEE PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE NOI CAN BE OBTAINED BY ENTERING THE PROJECT INFORMATION AND UPLOADING THE PROJECT SWPPP ONTO THE SMARTS WEBSITE. IN ADDITION, AT THE CONCLUSION OF THE PROJECT A NOTICE OF TERMINATION (NOT) MUST ALSO BE FILED. SUBMIT THE FEE, NOI, AND NOC TO THE STATE WATER RESOURCES CONTROL BOARD VIA THE SMARTS WEBSITE.

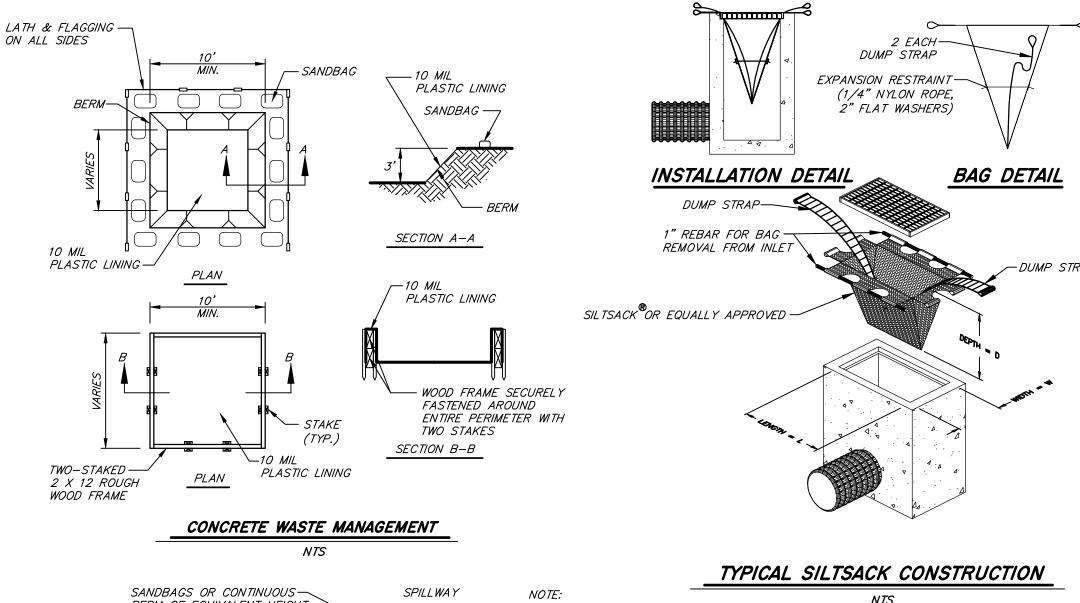
STATE WATER RESOURCES CONTROL BOARD SMARTS WEBSITE ADDRESS: HTTPS: //SMARTS. WATERBOARDS. CA. GOV/SMARTS/FACES/SWSMARTSLOGIN. JSP

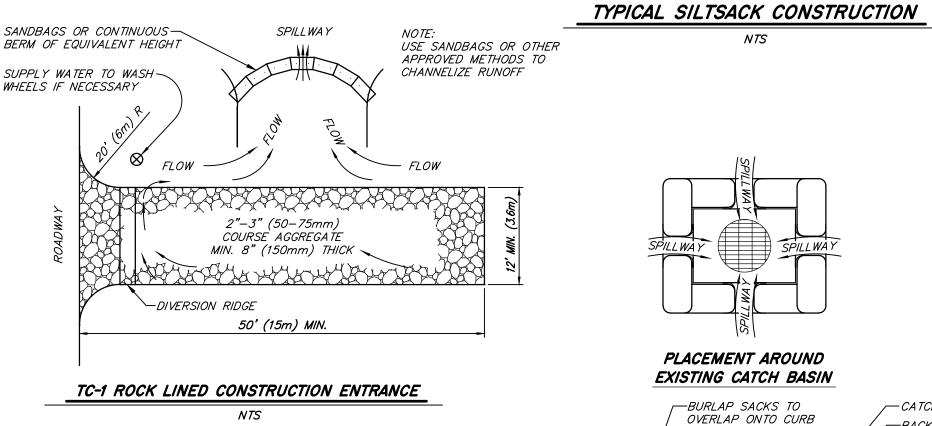
NOI FILE DATE: \_\_\_\_\_ WDID NO: \_\_\_\_\_

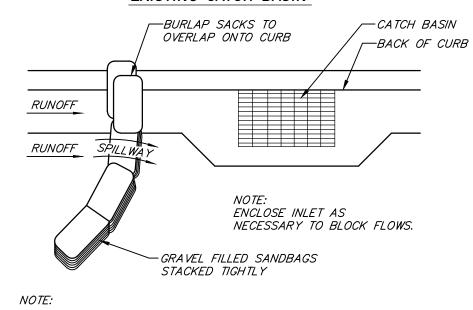
THIS PROJECT WILL DISTURB LESS THAN 1 ACRE; HOWEVER SHOULD THE CONTRACTOR OR OWNER CHOOSE TO FILE AN NOI AND OBTAIN A WOID NO. FROM THE STATE WATER BOARD, THAT INFORMATION SHALL BE ADDED HERE WHEN OBTAINED.

#### SWPPP GENERAL NOTES

- COMPACTED BACKFILL 57. ALL OPERATIONS SHALL LIMIT OR EXPEDITIOUSLY REMOVE THE ACCUMULATION OF MUD OR DIRT FROM ADJACENT PUBLIC STREETS AT LEAST ONCE EVERY 24 HOURS WHEN OPERATIONS ARE OCCURRING. (THE USE OF DRY ROTARY BRUSHES IS EXPRESSLY PROHIBITED EXCEPT WHERE PRECEDED OR ACCOMPÀNIED BY SUFFICIENT WETTING TO LIMIT THE VISIBLE DUST EMISSIONS
- 58. UPON COMPLETION OF PHASED CONSTRUCTION, SUBSEQUENT PHASES SHALL RE-VEGETATE ALL EXPOSED SOIL SURFACE WITHIN 30 DAYS, OR AS OTHERWISE APPROVED BY THE CITY, TO MINIMIZE POTENTIAL TOPSOIL EROSION. REASONABLE ALTERNATIVES TO RE-VEGETATION MAY BE EMPLOYED, ESPECIALLY DURING PEAK TEMPERATURE PERIODS OR TO AVOID NEGATIVE IMPACTS TO NEARBY AGRICULTURAL ACTIVITIES, SUBJECT TO THE APPROVAL OF THE CITY.
- 59. ALL BMPS USED DURING CONSTRUCTION SHALL COMPLY WITH THE MOST RECENT CASQA BMP MANUAL AND THE NPDES CONSTRUCTION GENERAL PERMIT. IF THIS SHEET DISAGREES WITH THE MOST RECENT CASQA BMP HANDBOOK, CONTACT THE ENGINEER FOR ADDITIONAL INSTRUCTIONS.



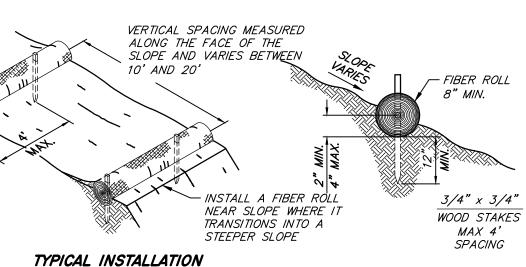




PLACE CURB TYPE SEDIMENT BARRIERS JUST UP SLOPE FROM INLETS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM

- 2. SANDBAGS OF EITHER BURLAP OR WOVEN 'GEOTEXTILE' FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
- 3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVED A SPILLWAY FOR OVERFLOW.
- 4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY





2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT

INSTALL FIBER ROLL ALONG A LEVEL CONTOUR.

FIBER ROLL NTS

WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT. 3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

SILT FENCE NTS

4. MAY BE USED IN LIEU OF SAND BAG BARRIER AT CONTRACTOR'S OPTION

ALTERNATIVE III

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING

-*STEEL OR WOOD POST-*

SILT 9" MAX

(225mm)

STORAGE H

*36" (1m) HIGH MAX.* 

TOP OF FABRIC

FLOW



EXTRA STRENGTH FILTER FABRIC-

NEEDED WITHOUT WIRE MESH

SUPPORT

SECURELY TO

4"X6" (100 X 150mm)+

EFFICIENCY.

TRENCH DETAIL

TRENCH WITH

ATTACH FILTER FABRIC-

UPSTREAM SIDE OF POS

·*STEEL OR* 

*WOOD POST* 

WIRE SUPPORT FENCE

WIRE SUPPORT FENCE

INSTALLATION WITHOUT TRENCHING

6' (1.8m) MAXIMUM SPACING WITHOUT

10' (3m) MAXIMUM SPACING WITH

TOP OF FABRIC

MIN. DRAIN ROCK

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT FOR UNDERGROUND CLEARANCE. USA WILL PROVIDE INFORMATION ABOUT OR LOCATE AND MARK UNDERGROUND FACILITIES.

UNAUTHORIZED CHANGES & USES

ENTRENCHMENT DETAIL

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR. OR LIABLE FOR. UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

**IDENTIFICATION STAMP** DIV. OF THE STATE ARCHITEC APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/12/2024



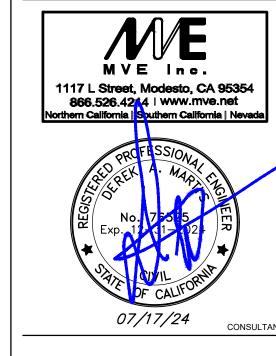
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WEBER HS LCAP PRE-K PLAYGROUND PROJECT

302 W. WEBER AVE.

STOCKTON, CA 95203

STOCKTON UNIFIED

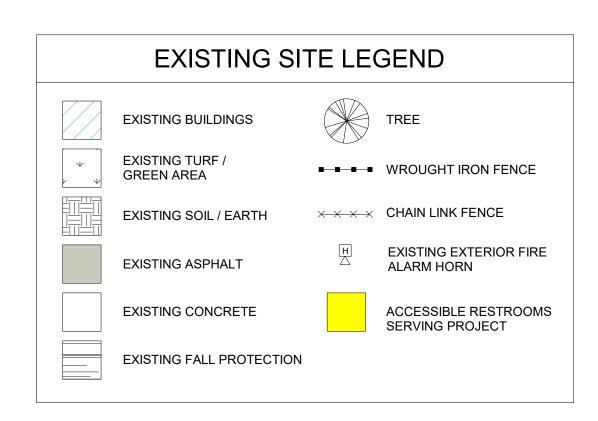
SCHOOL DISTRICT REVISIONS PROJECT NO: 2023-16, MVE NO: NC23311 SSUE SET: DSA SUBMITTAL

**EROSION CONTROL NOTES** AND DETAILS

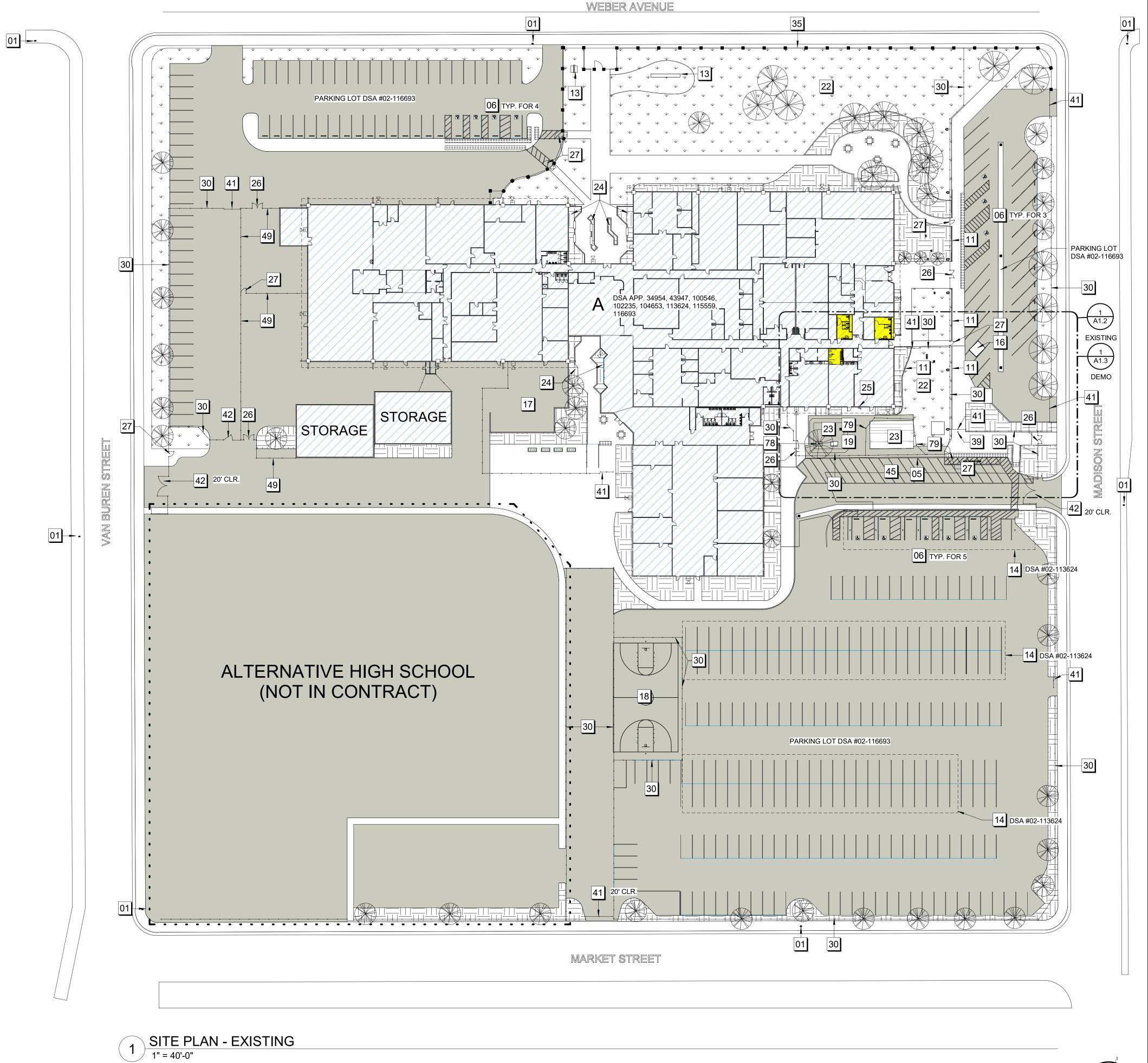
ISSUE DATE: 07/17/2024

DRAWN BY: MS

ER2



	SITE PLAN NOTES - A1.1
1 - EXIS	TING
01	(E) FIRE HYDRANT
05	(E) RED PAINTED CURB
06	(E) ADA PARKING & SIGNAGE
11	(E) CURB
13	(E) MONUMENT / SCHOOL SIGN
14	(E)SOLAR PANEL STRUCTURE
16	(E) 8'X8'X10' STORAGE SHIPPING CONTAINER
17	(E) EQUIPMENT YARD
18	(E) BASKETBALL COURT
19	(E) HARDSCAPE AREA WITH PLAY YARD PAINT
22	(E) PLAY FIELD TURF
23	(E) PLAYGROUND STRUCTURE
24	(E) PLANTER
25	(E) ACCESSIBLE DRINKING FOUNTAIN
26	(E) DOUBLE GATES
27	(E) SINGLE GATES
30	(E) 6'-0" HIGH CHAINLINK FENCE
35	(E) 6'-0"HIGH ORNAMENTAL WROUGHT IRON FENCE
39	(E) CONCRETE BOLLARDS
41	(E) SLIDING GATE
42	(E) SERVICE CHAINLINK GATE
45	(E) STUDENT DROP OFF / PICK UP
49	(E) 8'-0" HIGH CHAIN LINK FENCE
78	(E) PLANTER WITH TREE
79	(E) TEMPORARY CHAIN LINK FENCING



A1.1

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WEBER HS LCAP PRE-K PLAYGROUND

**PROJECT** 

302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16

DRAWN BY: MT, HD

SITE PLAN -

**EXISTING** 

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APP: 02-122466 INC:

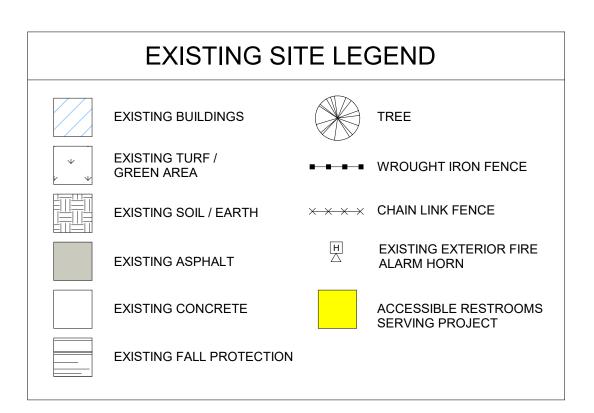
# SITE PLAN NOTES - A1.2 1 - EXISTING 04 (E) LIGHT POLE 05 (E) RED PAINTED CURB 11 (E) CURB 16 (E) 8'X8'X10' STORAGE SHIPPING CONTAINER 19 (E) HARDSCAPE AREA WITH PLAY YARD PAINT 22 (E) PLAY FIELD TURF 23 (E) PLAYGROUND STRUCTURE 25 (E) ACCESSIBLE DRINKING FOUNTAIN 26 (E) DOUBLE GATES 27 (E) SINGLE GATES 30 (E) 6'-0" HIGH CHAINLINK FENCE 39 (E) CONCRETE BOLLARDS 41 (E) SLIDING GATE 42 (E) SERVICE CHAINLINK GATE

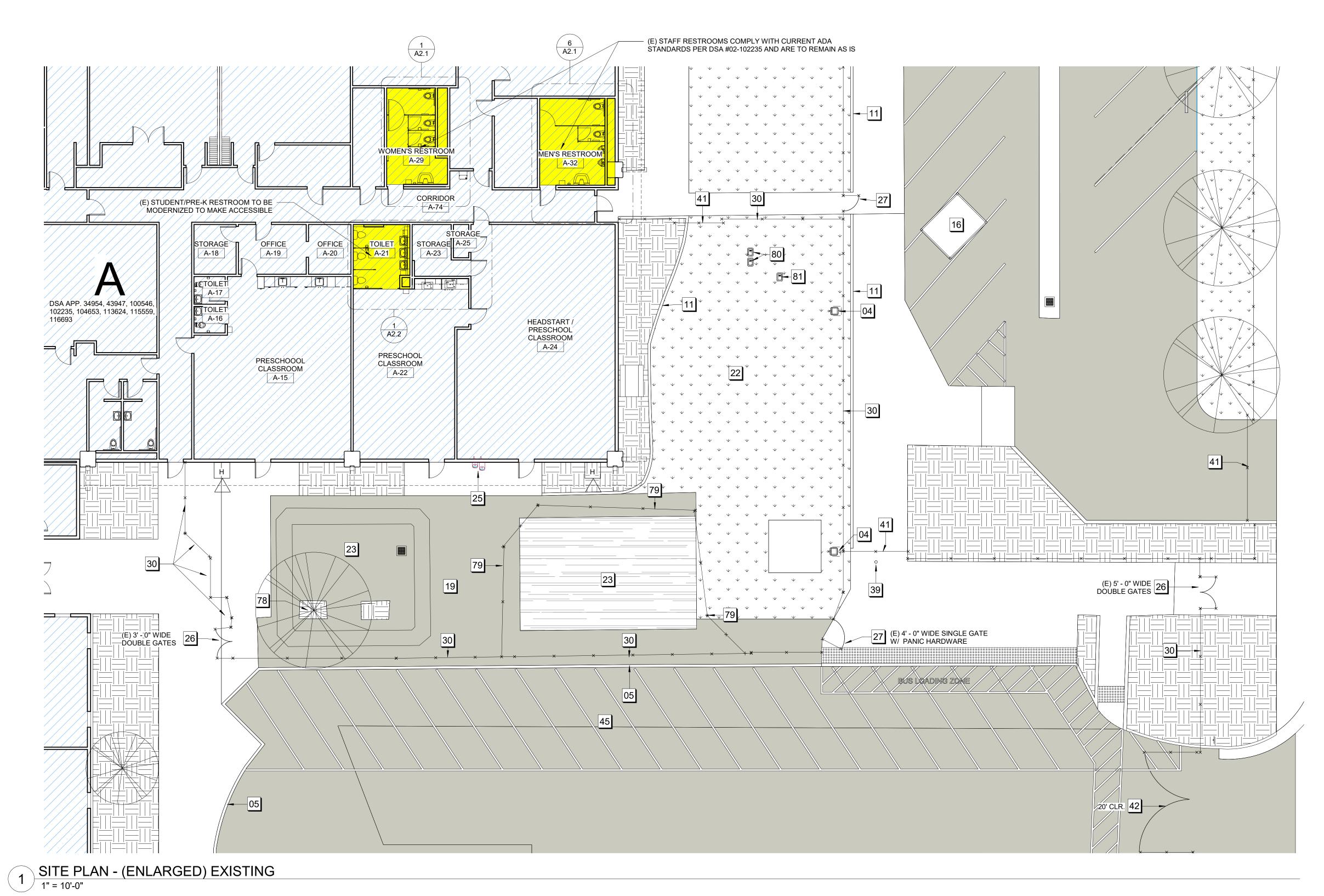
45 (E) STUDENT DROP OFF / PICK UP

79 (E) TEMPORARY CHAIN LINK FENCING 80 (E) IRRIGATION CONTROL VALVE

78 (E) PLANTER WITH TREE

81 (E) ELECTRICAL PULL BOX







CONSULTANT

WEBER HS LCAP

PRE-K PLAYGROUND

**PROJECT** 

302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

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PROJECT NO: 2023-16

ISSUE DATE: 07/17/2024

SITE PLAN -

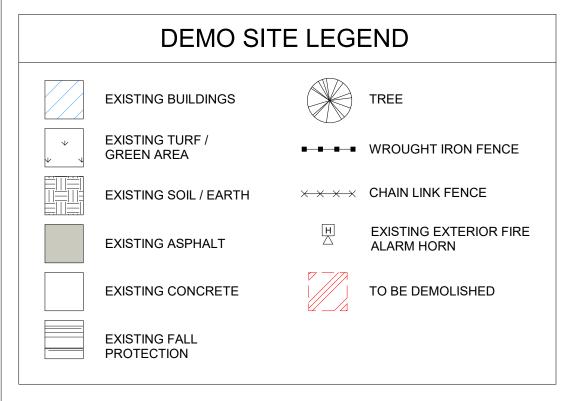
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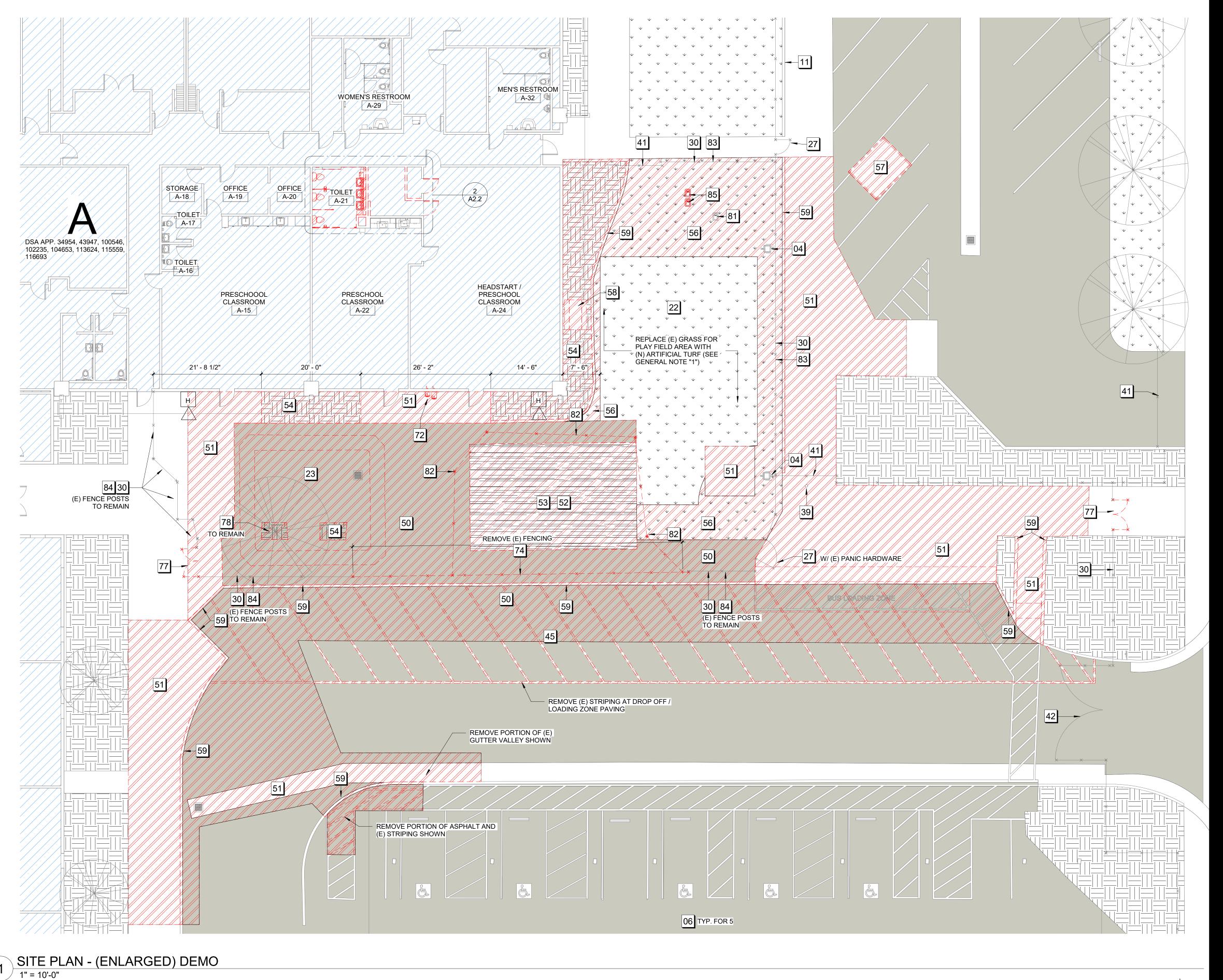
#### SITE PLAN NOTES - A1.3 1 - EXISTING 04 (E) LIGHT POLE 11 (E) CURB 22 (E) PLAY FIELD TURF 23 (E) PLAYGROUND STRUCTURE 26 (E) DOUBLE GATES 27 (E) SINGLE GATES 30 (E) 6'-0" HIGH CHAINLINK FENCE 39 (E) CONCRETE BOLLARDS 41 (E) SLIDING GATE 42 (E) SERVICE CHAINLINK GATE 45 (E) STUDENT DROP OFF / PICK UP 78 (E) PLANTER WITH TREE 81 (E) ELECTRICAL PULL BOX 2 - DEMOLITION 50 REMOVE (E) ASPHALT 51 REMOVE (E) CONCRETE 52 REMOVE (E) PLAYGROUND STRUCTURE 53 REMOVE (E) FALL PROTECTION SURFACE 54 REMOVE (E) EARTH/SOIL 56 REMOVE (E) TURF/GREEN AREA 57 RELOCATE (E) 8'X8'X10' STORAGE SHIPPING CONTAINER 58 REMOVE AGING PICNIC TABLE 59 REMOVE (E) CURB 72 REMOVE (E) DRINKING FOUNTAIN 74 REMOVE (E) FENCING, INCLUDING WIRE FABRIC AND FENCE POSTS. 77 REMOVE (E) DOUBLE GATE 82 REMOVE (E) TEMPORARY CHAIN LINK FENCING 83 REMOVE (E) FENCE FABRIC FOR INSTALLATION OF (N) CONCRETE FLATWORK. REINSTALL FABRIC AFTER (N) CONCRETE FLATWORK INSTALLATION.



84 REMOVE (E) FENCE FABRIC

#### **GENERAL NOTES:**

1. WORK TO REQUIRE REMOVAL OF (E) TURF AND 4" THICKNESS OF SOIL TO PROVIDE COMPACTED AGGREGATE BASE OF 90% ELEVATION WHICH SHALL BE SET TO ACCEPT THE THICKNESS OF (N) ARTIFICAIL TURF.



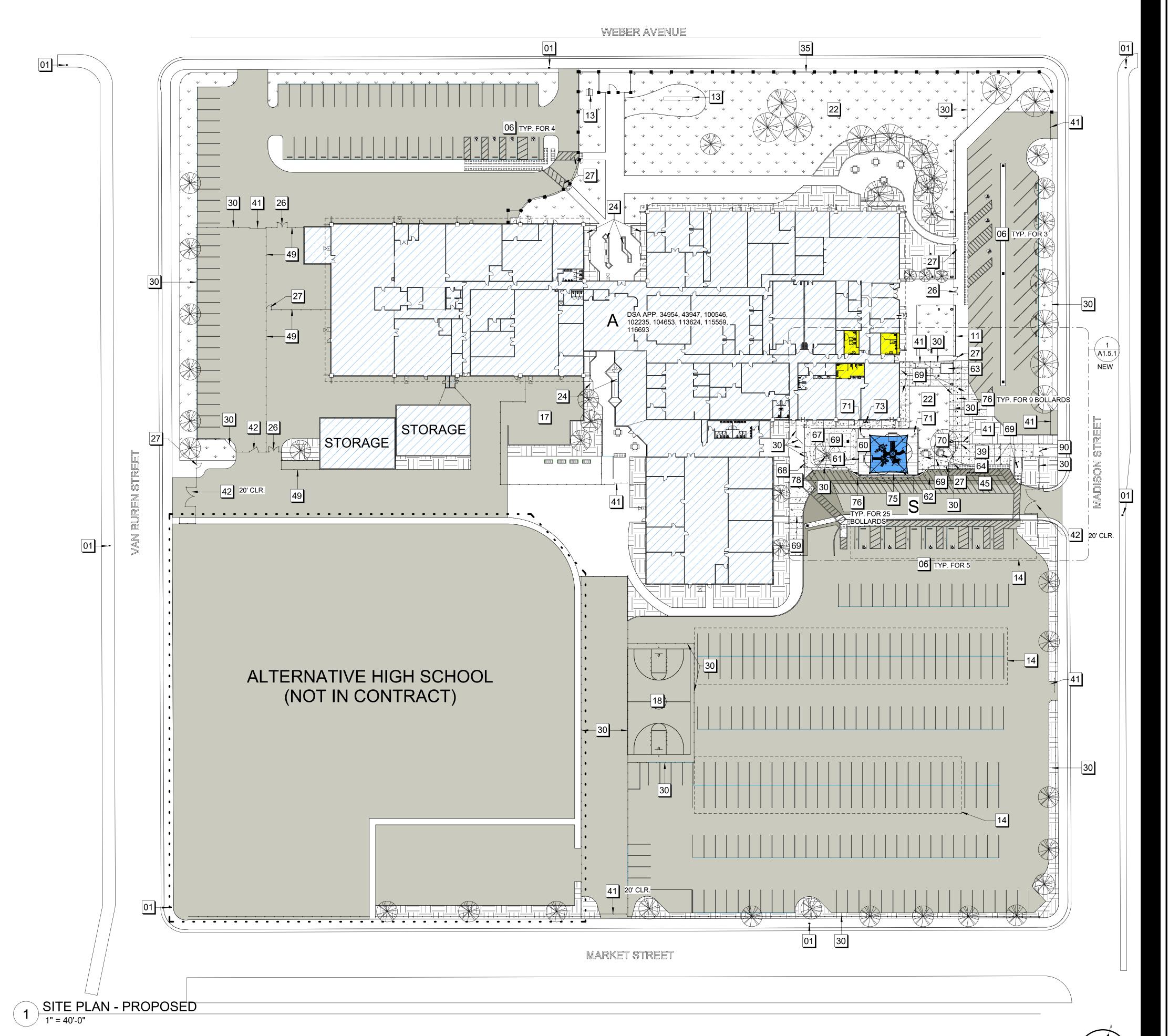
APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 ACHITECHNICA 555 West Benjamin Holt Drive, Suite 423 Stockton, California 95207 **P**: (209) 952-5850 **F**: (209) 952-2442 E: hello@architechnica.net www.architechnica.net © 2024 ARCHITECHNICA CONSULTANT WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 302 W. WEBER AVE. STOCKTON, CA 95203 STOCKTON UNIFIED SCHOOL DISTRICT REVISIONS PROJECT NO: 2023-16 ISSUE SET: DSA SUBMITTAL ISSUE DATE: 07/17/2024 DRAWN BY: Author SITE PLAN - DEMO

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	SITE PLAN NOTES - A1.4	
1 - EXI	STING	
01	(E) FIRE HYDRANT	]
06	(E) ADA PARKING & SIGNAGE	
11	(E) CURB	
13	(E) MONUMENT / SCHOOL SIGN	-
14	(E)SOLAR PANEL STRUCTURE	
17	(E) EQUIPMENT YARD	
18	(E) BASKETBALL COURT	
19	(E) HARDSCAPE AREA WITH PLAY YARD PAINT	-
22	(E) PLAY FIELD TURF	-
23	(E) PLAYGROUND STRUCTURE	
24	(E) PLANTER	-
25	(E) ACCESSIBLE DRINKING FOUNTAIN	
26	(E) DOUBLE GATES	-
27	(E) SINGLE GATES	
30	(E) 6'-0" HIGH CHAINLINK FENCE	
35	(E) 6'-0"HIGH ORNAMENTAL WROUGHT IRON FENCE	
39	(E) CONCRETE BOLLARDS	
41	(E) SLIDING GATE	
42	(E) SERVICE CHAINLINK GATE	
45	(E) STUDENT DROP OFF / PICK UP	
49	(E) 8'-0" HIGH CHAIN LINK FENCE	
78	(E) PLANTER WITH TREE	
3 - NEV	V	•
60	(N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE	
61	(N) CONCRETE CURB 18 / A1.9	
62	(N) ASPHALT	
63	(E) 8'X8'X10' STORAGE SHIPPING CONTAINER RELOCATED TO THIS LOCATION	
64	(N) PICNIC TABLE	
67	(N) TRIKE PATH	
68	(N) 3'-0" WIDE DOUBLE GATES WITH PANIC HARDWARE	6 / A1
69	(N) CONCRETE PAVING	
70	(N) PLANTER W/ TREE	
71	(N) ROCKIN' DRUMS PLAY EVENT	
73	(N) HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER AND GUARD RAILS 11 / A11.1	
75	(N) 6'-0" HIGH FENCING TO MATCH (E) 6'-0" HIGH FENCING 5 / A1.8	
76	(N) CONCRETE BOLLARDS, TYP. 16 / A1.7 & 17 / A1.7	
90	(N) 4'-0" WIDE DOUBLE GATES WITH PANIC HARDWARE	6 / A1.





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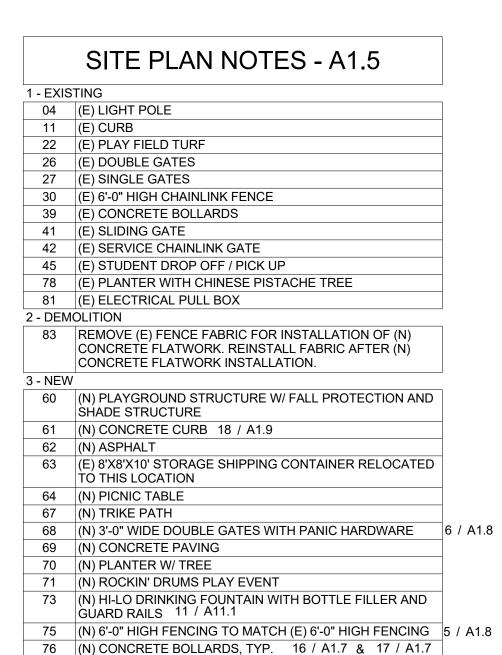
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ISSUE SET: DSA SUBMITTAL

ISSUE DATE: 07/17/2024

DRAWN BY: HD

SITE PLAN -PROPOSED



86 (N) IRRIGATION SHUT OFF VALVE & VALVE BOX
87 (N) IRRIGATION CONTROL VALVE & VALVE BOX
88 (N)COMMUNICATION BOX SIZED TO ACCOMMODATE (E)

IRRIGATION BOXES

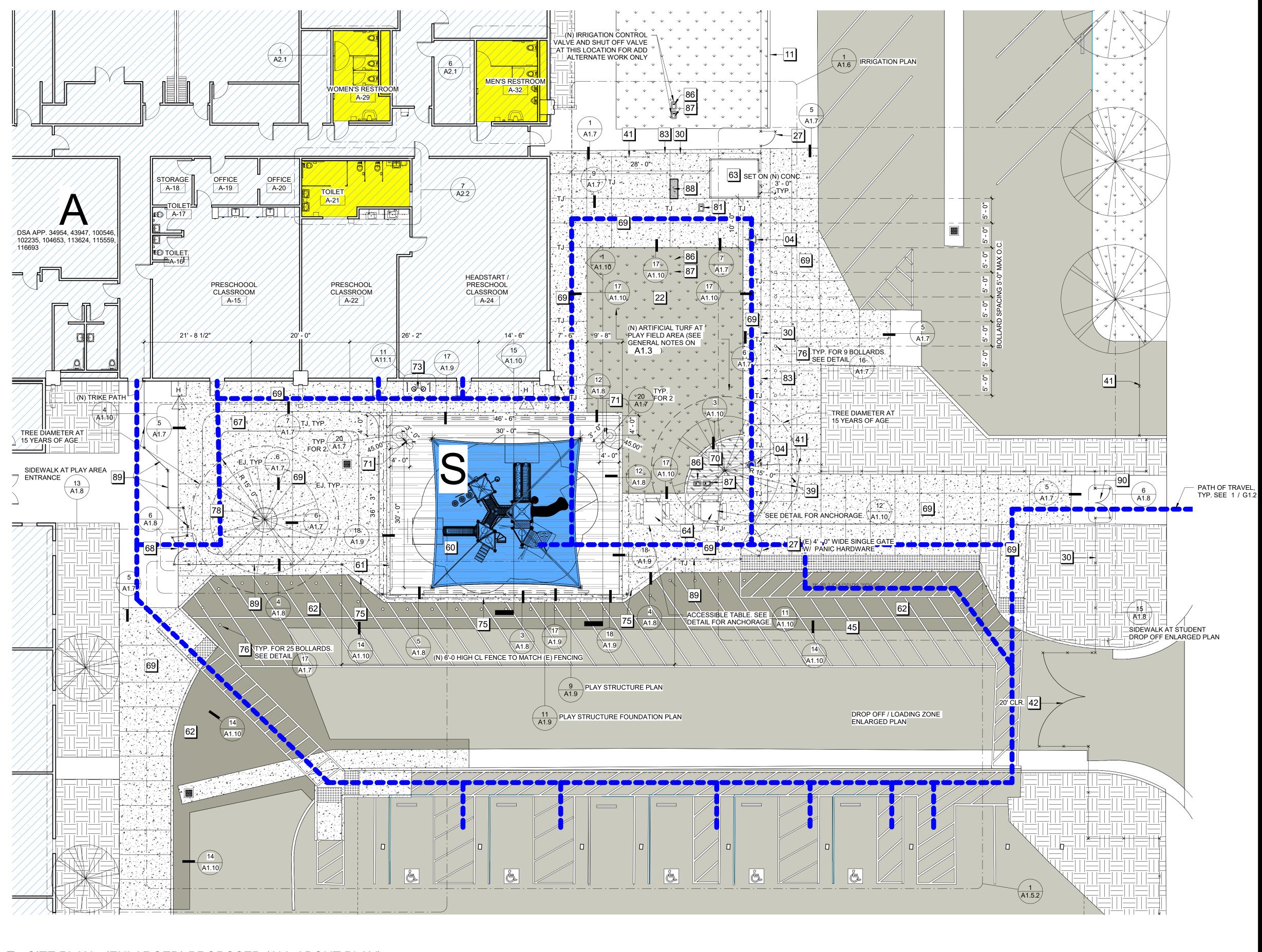
89 (N) CHAIN LINK FENCE FABRIC TO MATCH (E) FABRIC

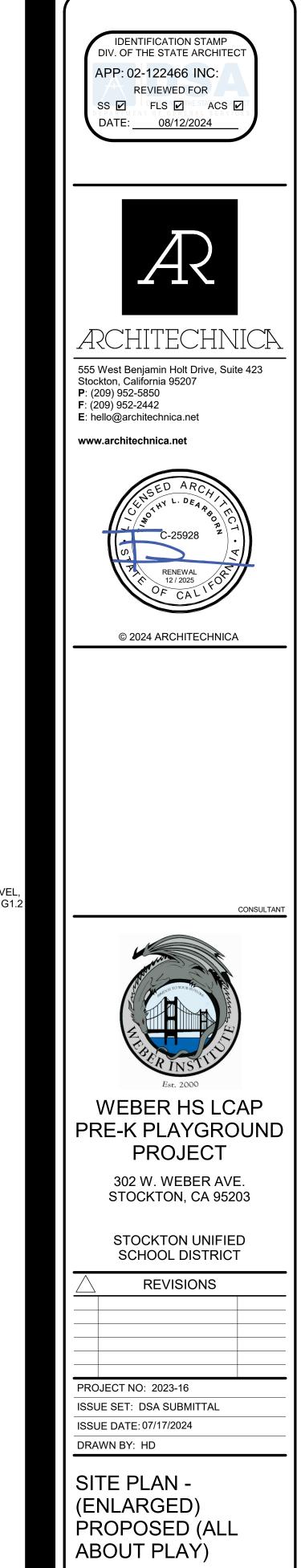
90 (N) 4'-0" WIDE DOUBLE GATES WITH PANIC HARDWARE

6 / A1.8

#### NEW SITE LEGEND **NEW ASPHALT EXISTING BUILDINGS** NEW 5" CONCRETE SLAB W/ #4 EXISTING TURF / BARS AT 24" O.C. EA. WAY W/ **GREEN AREA** MEDIUM BROOM FINISH NEW SHADE STRUCTURE EXISTING SOIL / EARTH **EXISTING ASPHALT** EXISTING CONCRETE ■ ■ ■ WROUGHT IRON FENCE $\times \times \times \times$ CHAIN LINK FENCE **NEW FALL** PROTECTION TILE EXISTING EXTERIOR **NEW SOIL/EARTH** FIRE ALARM HORN ACCESSIBLE RESTROOMS SPECIAL LANDSCAPE AREA -SERVING PROJECT ACTIVE PLAY (TURF)

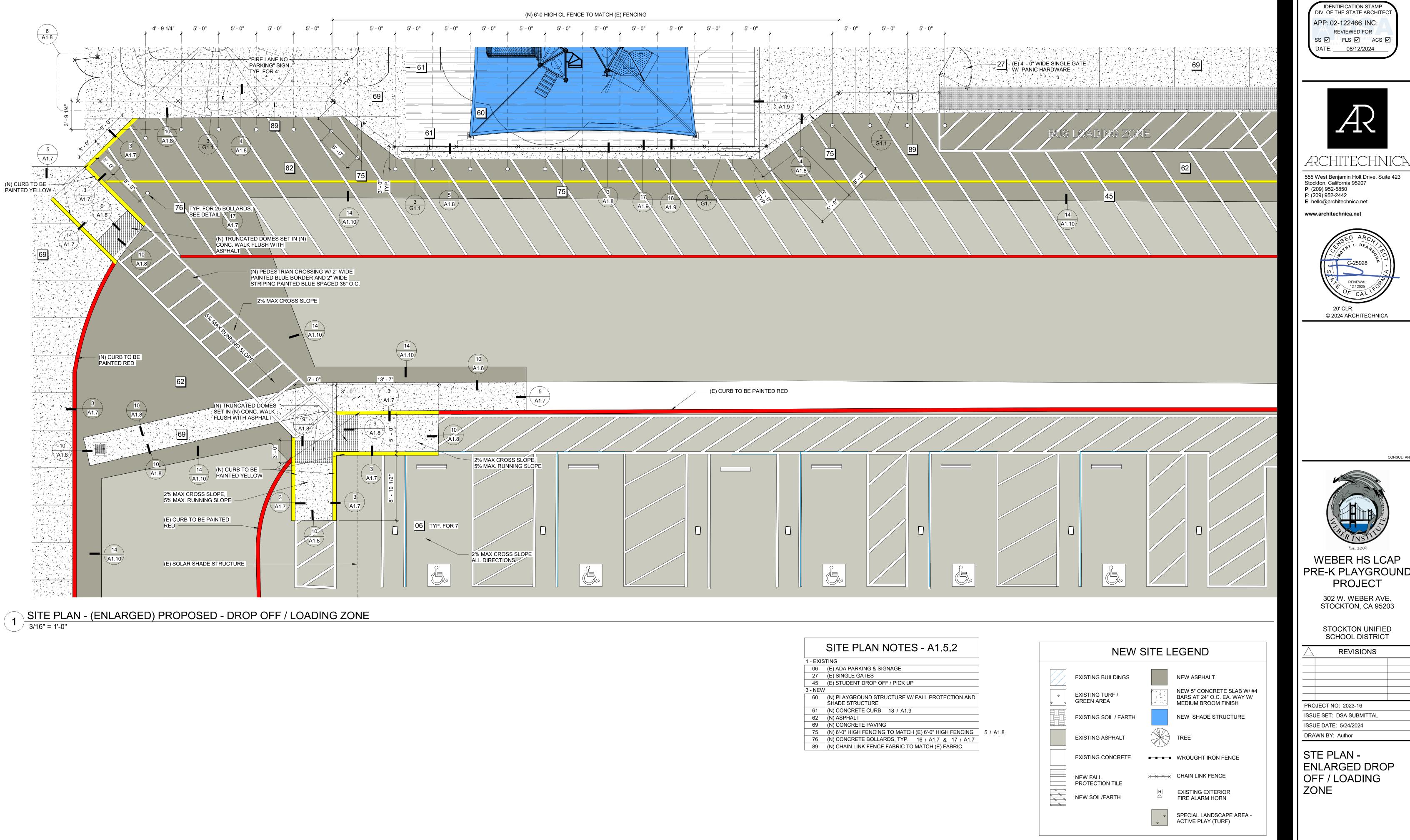
# PLAYGROUND/PLAYFIELD SHADING REQUIREMENTS Landscape Area: 1,450 sf Hardscape Area: 5,368 sf Total Area: 6,818 sf Shade Requirements (20%): 1,364 sf Shade Structure: 900 sf (N) Autumn Blaze Maple at 15 years: 530 sf (E) Chinese Pistache Tree at 15 years: 530 sf Total Provided Shade: 1,960 sf Tree shade data from City of Sacramento Parking Lot Tree Shading Design Guidelines. Due to site placement, utilized 75% of the shade value for tree.





1 SITE PLAN - (ENLARGED) PROPOSED (ALL ABOUT PLAY)





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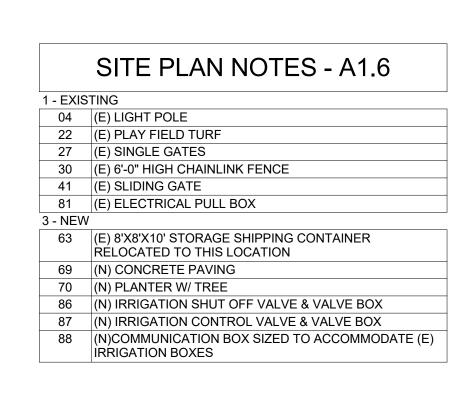
WEBER HS LCAP PRE-K PLAYGROUND

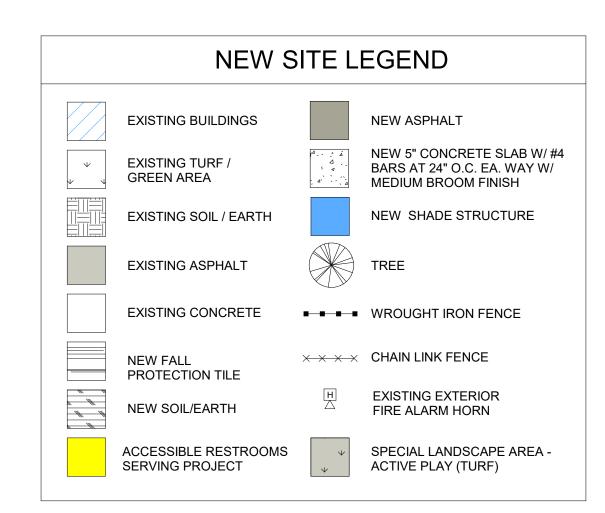
> 302 W. WEBER AVE. STOCKTON, CA 95203

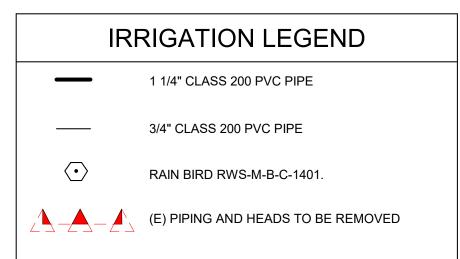
STOCKTON UNIFIED SCHOOL DISTRICT

**ENLARGED DROP** 

A1.5.2







All trees shall be guaranteed by the landscape

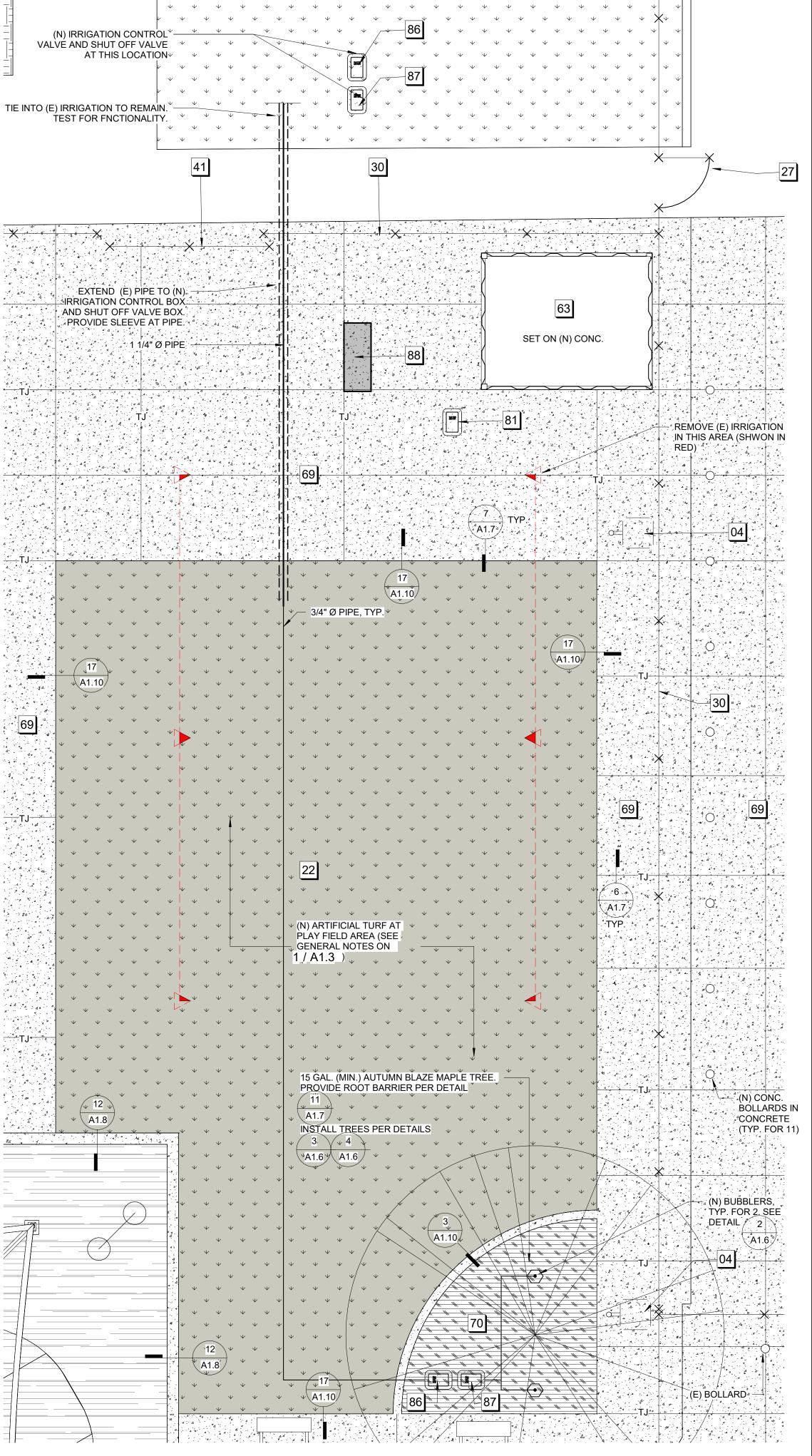
maintenance periods. Replacement material

shall be at the landscape contractor's expense

position during the establishment and

except if vandalized or stolen.

contractor to live and grow in a healthy upright





- Area of Landscape work shall have an aggregate area of 2,500 sf or less. Compost to be incorporated at a rate of four (4) cubic yards per 1,000 sf to a depth of 6" into the landscape area.
- Plant material shall be climate adapted and have a Low or Very Low rating for water use (per WUCOLS). Apply minimum 3" of mulch to landscape area, excluding "Active Play" areas.
- Turf is not allowed except for Special
- Landscape Areas such as areas dedicated to "Active Play."

1. POSITION 2 UNITS EVENLY

ROOT BALL.

GROUND SURFACE.

AROUND THE UNIT

3. WHEN INSTALLING IN

5. ONCE RWS HAS BEEN

SPACED AROUND PLANT, NEAR

Irrigation Systems shall:

power is interrupted. 6.2 Have pressure regulators to ensure dynamic pressure is within equipment manufacturer's recommended range. 6.3 Include manual shut-off valve(s) installed as close as possible to the

rain sensor, and does not lose

programing data when the primary

Use and automatic controller that uses

evapo-transpiration data and utilizes a

- point of connection. Use irrigation emission devices that meet ASABE/ICC 802-2014.
- 6.5 Use irrigation methods, in all landscape areas less than 10-feet in any direction that do not produce run-off or overspray. Include a sub-meter for non-residential projects in excess of 1,000 sf of landscape area.
- Contractor shall provide the district, at time of final inspection, a certificate of completion, certificate of installation, irrigation schedule, and a schedule of landscape and irrigation maintenance.

#### PLANTING NOTES

The landscape contractor shall inspect the planter areas for extreme compaction particularly around construction areas. Contractor shall provide means for ripping to a depth of 12 inches all compacted areas to insure proper root growth of new new trees. Cultivate top 6 inches of soil in all areas.

planting begins.

3" DEEP LAYER

**GORILLA HAIR** 

BARK MULCH

RWS PURPLE

ASSEMBLY-

ROOT

WATERING

ROOT BALL

TREE BUBBLER

LEGEND CONTINUED (FROM DET. 5)

(M) MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO

SCALE: 1" = 1'-0"

FACE NORTH AT THE SITE.

(N) "GRO STRAIT" 36" 'Z' STRAP OR EQUAL.

(O) SECURE W/ 1 1/2" GALVANIZED NAIL OR SCREW.

OUTSIDE THE EDGE OF THE ROOT BALL.

SYSTEM

REDWOOD

No soil shall be handled or worked wihen in a muddy condition Finish grade shall be approved by the

district's landscape department before any

- An even finish grade with no ridges or dpresssions shall be carefully maintained during Contractor shall perform soils analysis and laboratory prior to beginning work and after tilled into the soil to a depth of 6 to 12 inches. 2/3 soil amendment. Trees shall be planted, staked, and tied
- operations to ensure proper surface drainage. obtain amendment recommendations from soil backfill soil has been placed. Soil amendments shall be incorporated into all planted areas and Backfil mix shall be 1/3 native soil, mixed with

NPT INLETS

PVC SCH

40 TEE OR

BELOW - LATERAL

LINE

FILENAME: 31\_00\_00

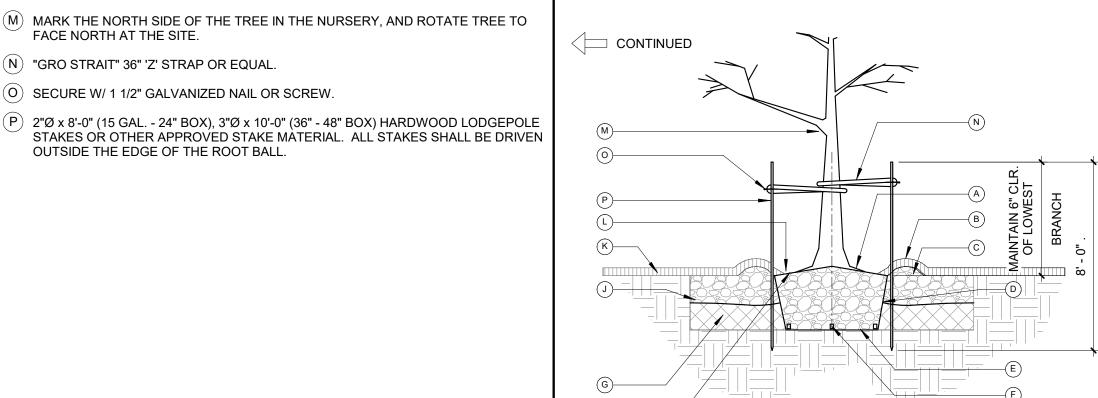
- according to these plans.
- Stake trees at the lowest point where the tree can support itself.
- Thoroughly water trees immediately after All trees shall be pruned to remove broken and
- damaged limbs and branches. No other pruning is approved. Fetilizer tablets shall be Best-Paks (20-10-5) planter packets placed in all planting pits per
- 12. The Landscape Contractor shall provide an establishment period of 30 days commencing at completion of plant material installation.
- Following project acceptance, the Landscape Contractor shall maintain the installation for 30 days including maintenance of trees, fertilization, control of weeds. Adjustment to the irrigaiton system for time and durationof flows and replacement and adjustment to heads and
- emitters are also required. The Landscape Contractor shall be responsible for disease and pest control during th establishment and maintenance periods. Coordinate chemical treatments with SUSD prior to application to allow for required notifications to

the school community.

- 1. DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LINES, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN. 2. INSTALL PRODUCT FLUSH W/ 2. SEE STAKING DETAIL FOR STAKING INFORMATION 3. AMENDED SOIL MUST NOT BE SO COMPACTED AS TO IMPEDE ROOT GROWTH OR DRAINAGE. THE SOIL STRUCTURE SHALL NOT BE PLATY OR MASSIVE. EXTREMELY HARD OR CLAY SOILS, 4. TREES W/ POOR QUALITY ROOTS OR ROOT BALLS THAT HAVE BEEN CRACKED OR 4. ADD 3/4" GRAVEL UNDER AND DAMAGED SHALL BE REJECTED. 5. TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAK TRUNKS SHALL BE REJECTED. INSTALLED FILL THE BASKET W/ PEA GRAVEL BEFORE LOCKING LID. A ) EACH TREE SHALL BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL. (B) 3" HIGH EARTH BERM BEYOND EDGE OF ROOT BALL.  $(\mathsf{C})$  SEE PLANTING NOTES FOR SOIL AMENDMENT MIXTURE
  - D) REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP HALF OF ROOT BALL.  $(\mathsf{E})$  PLACE ROOT BALL ON UNEXCAVATED OR TAMPERED SOIL.
  - F) 21-GRAM FERTILIZER PLANT TABS: 5 PER 15 GAL TREE, 8 PER 24" BOX TREE, 12 PER G) TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE IN 9" LIFTS SO
  - THAT ROOT BALL DOES NOT SHIFT. NATIVE SOIL (H) SET TOP OF ROOT BALL FLUSH TO GRADE OR (1"-2") HIGHER IN SLOWLY DRAINING SOILS.
    - $\mathsf{J}\,)$  NATIVE SOIL
    - (K) MULCH RINGS, 36"Ø MIN. 48"Ø PREFERRED. L) DO NOT PLACE MULCH IN CONTACT W/ TREE TRUNK. MAINTAIN THE MULCH WEED-

TREE PLANTING

SCALE: 1" = 1'-0"



GRO STRAIT - 36" 'Z' FREE DURING THE 30 DAY ESTABLISHMENT AND 30 MAINTENANCE PERIODS. STRAP OR EQUAL SECURE W/ 1" GALVANIZED SCREW 2" DIA. x 8' (15 GAL. --24 BOX), 3"Ø x 10' (36"-48" BOX) HARDWOOD LODGEPOLE STAKES OR OTHER APPROVED STAKE MATERIAL. ALL STAKES SHALL BE DRIVEN OUTSIDE THE \* SECURE TREE 6" TO 12" EDGE OF THE ROOT ABOVE LOWEST POINT NECESSARY TO KEEP TREE UPRIGHT AND TOP OF STAKE SHALL BE CUT OFF NO MORE

TREE STAKING

FILENAME: 31\_00\_0

WIND DIRECTION GRO STRAIT - 36" 'Z' STRAP OR EQUAL SECURE W/ 1" GALVANIZED

THAN 3" ABOVE THE HIGHEST

FILENAME: 31\_00\_02

IRRIGATION PLAN

1/4" = 1'-0"

1. FASTEN STRAP TIGHT ENOUGH TO KEEP FROM SLIPPING WHILE

3. TREES W/ POOR QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE

4. TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY

2. REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN

BEEN CRACKED OR DAMAGED SHALL BE REJECTED.

RESULTING IN WEAK TRUNKS SHALL BE REJECTED.

ALLOWING FOR SOME TRUNK MOVEMENT.

SUFFICIENT ROOTS.

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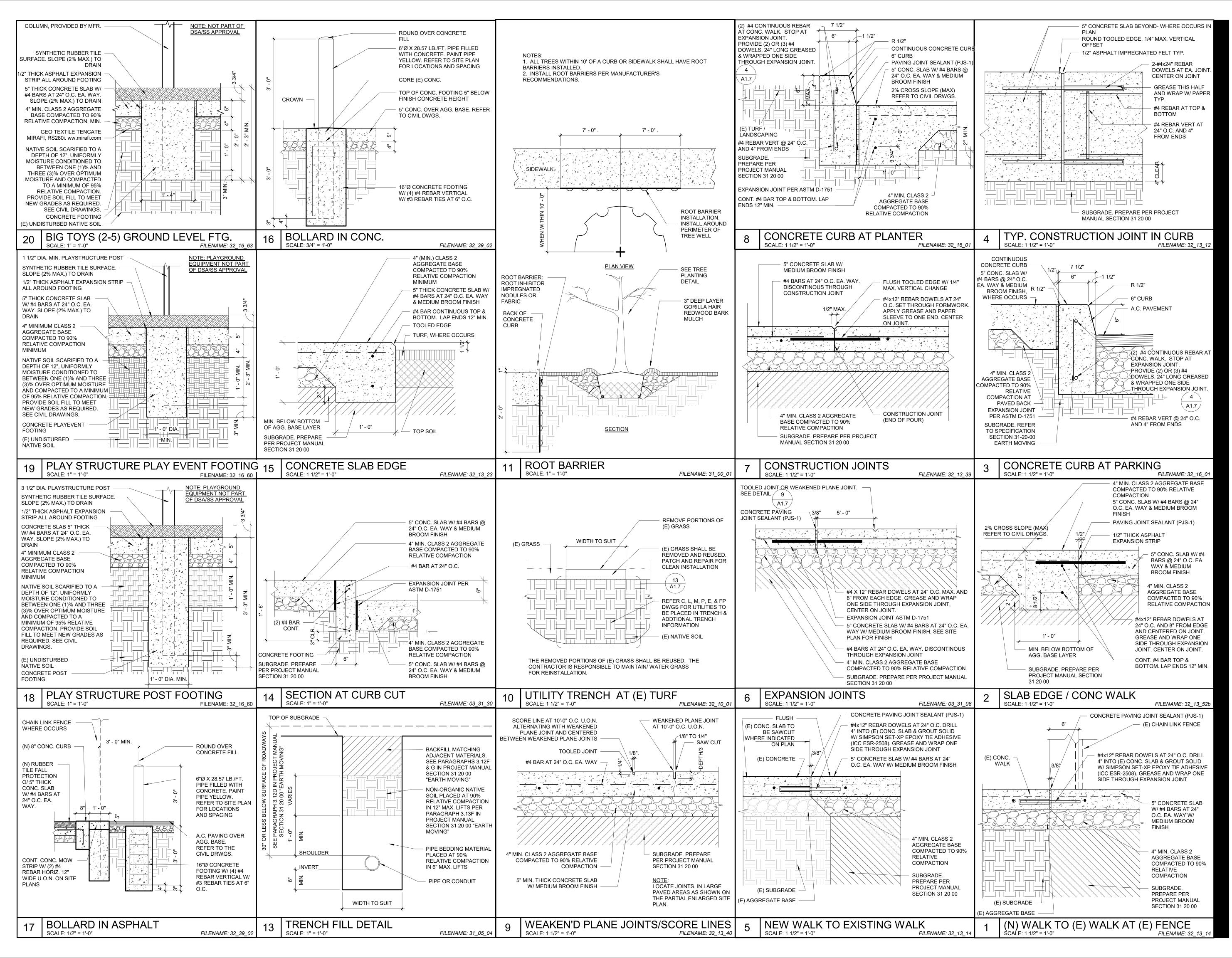
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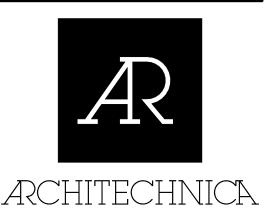
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**IRRIGATION PLAN** 





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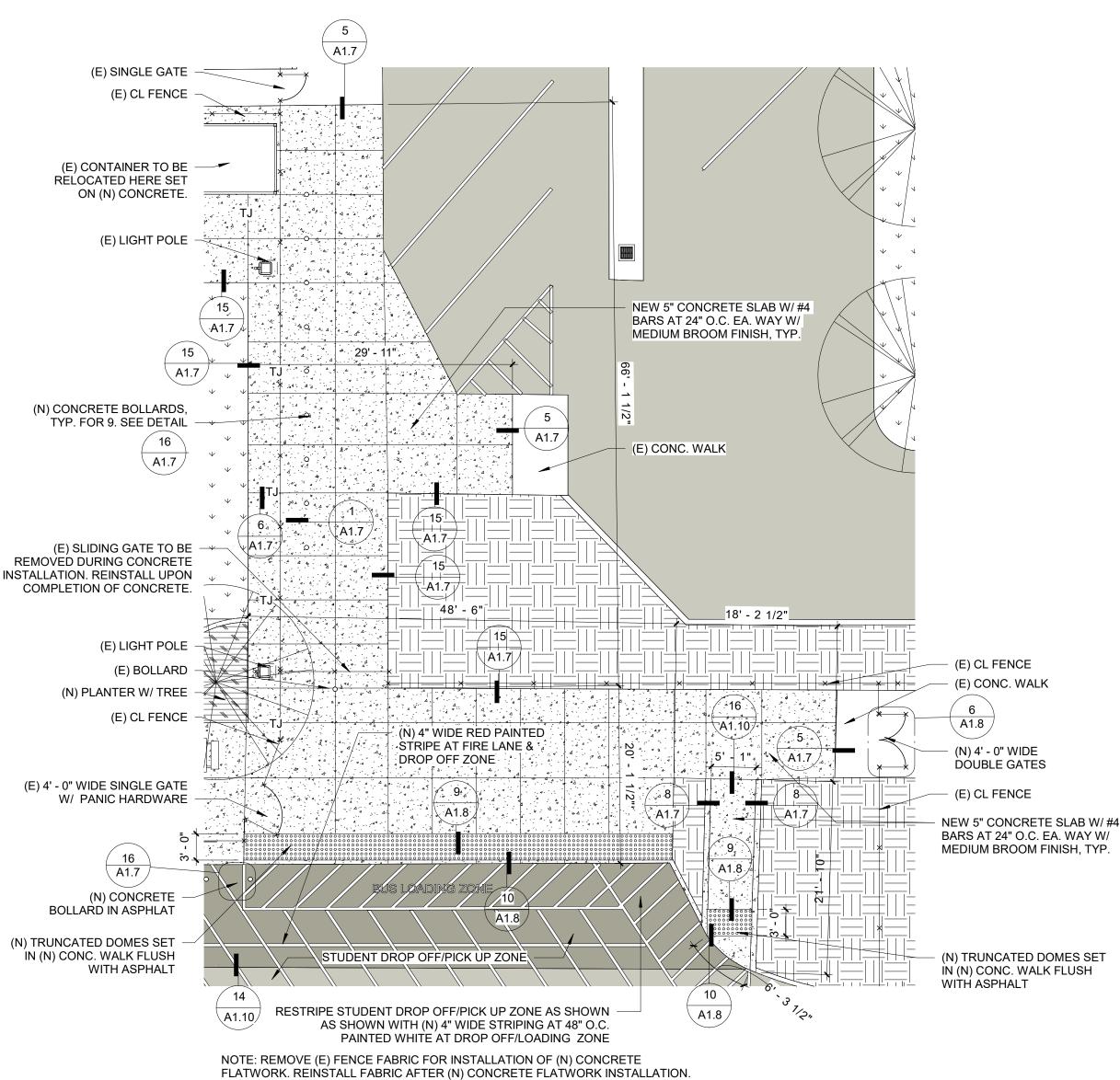
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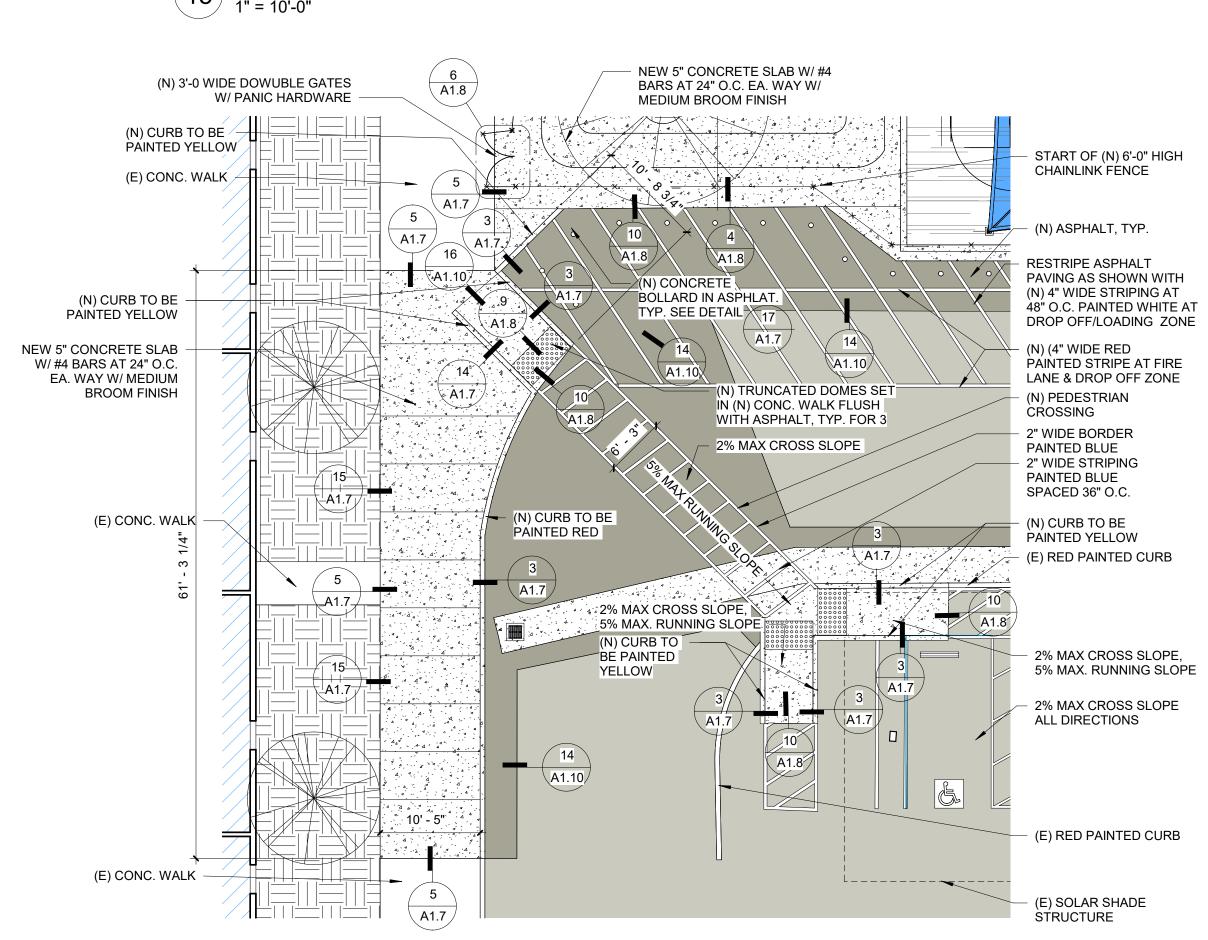
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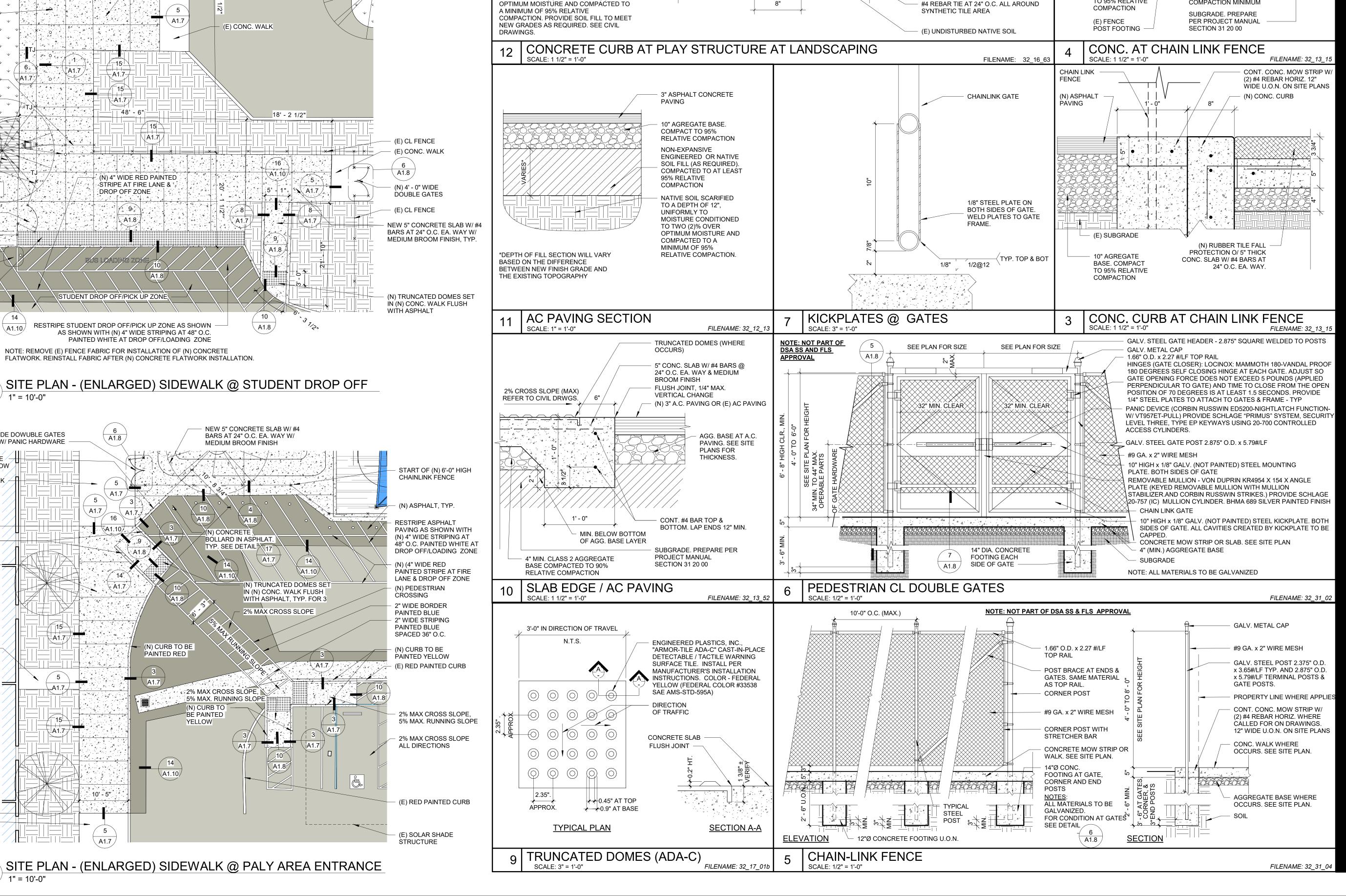
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SITE DETAILS



### SITE PLAN - (ENLARGED) SIDEWALK @ STUDENT DROP OFF





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CONT. CONC. MOW STRIP W.

5" CONC. SLAB W/ #4 BARS

(2) #4 REBAR HORIZ. 12" WIDE U.O.N. ON SITE PLANS

@ 24" O.C. EA. WAY W/

MEDIUM BROOM FINISH

4" (MIN.) CLASS 2

RELATIVE

AGGREGATE BASE

COMPACTED TO 90%

COMPACTION MINIMUM

CHAIN LINK

N) ASPHALT

(E) SUBGRADE

10" AGREGATE

BASE. COMPACT

TO 95% RELATIVE

PÁVING

**FENCE** 

CONCRETE CURB

LAP ENDS 12" MIN.

**ASTM F1951** 

COMPACTION

TO 25 LBS.

6" MIN. EMBED.

SYNTHETIC RUBBER TILE SURFACE.

1/2" THICK ASPHALT EXPANSION STRIP

CONCRETE SLAB 5" THICK W/ #4 BARS

AT 24" O.C. EA. WAY. SLOPE (2% MAX.)

4" MINIMUM CLASS 2 AGGREGATE BASE

NATIVE SOIL SCARIFIED TO A DEPTH OF 12",

BETWEEN ONE (1)% AND THREE (3)% OVER

UNIFORMLY MOISTURE CONDITION TO

COMPACTED TO 90% RELATIVE

COMPACTION MINIMUM

SLOPE (2% MAX.) TO DRAIN

TO DRAIN

CONT. #4. LAP ENDS 12" MIN.

**6D GALVANIZED PENNY NAIL** 

FLUSH JOINT (1/4" MAX. VERTICAL LIP)

CONT. #4 TOP & BOTTOM AT REBAR TIE.

SAND INFILL (INSTALLED INTO THATCH

MAX PLAY 1.625" TURF. MUST MEET

4" MIN. CLASS 2 AGGREGATE BASE COMPACTED TO 90% RELATIVE

PREPARE SUBGRADE. REFER TO SPECIFICATION SECTION 31 00 00

2x4 P.T.D.F. LEDGER AT PERIMETER

ATTACH WITH 3/8" DIAMETER HILTI

STAINLESS STEEL KB-TZ2 WITH 2" MIN.

EACH END. ICC ESR-4266. TORQUE TEST

EMBEDMENT@ 24" OC MAX 6" FROM



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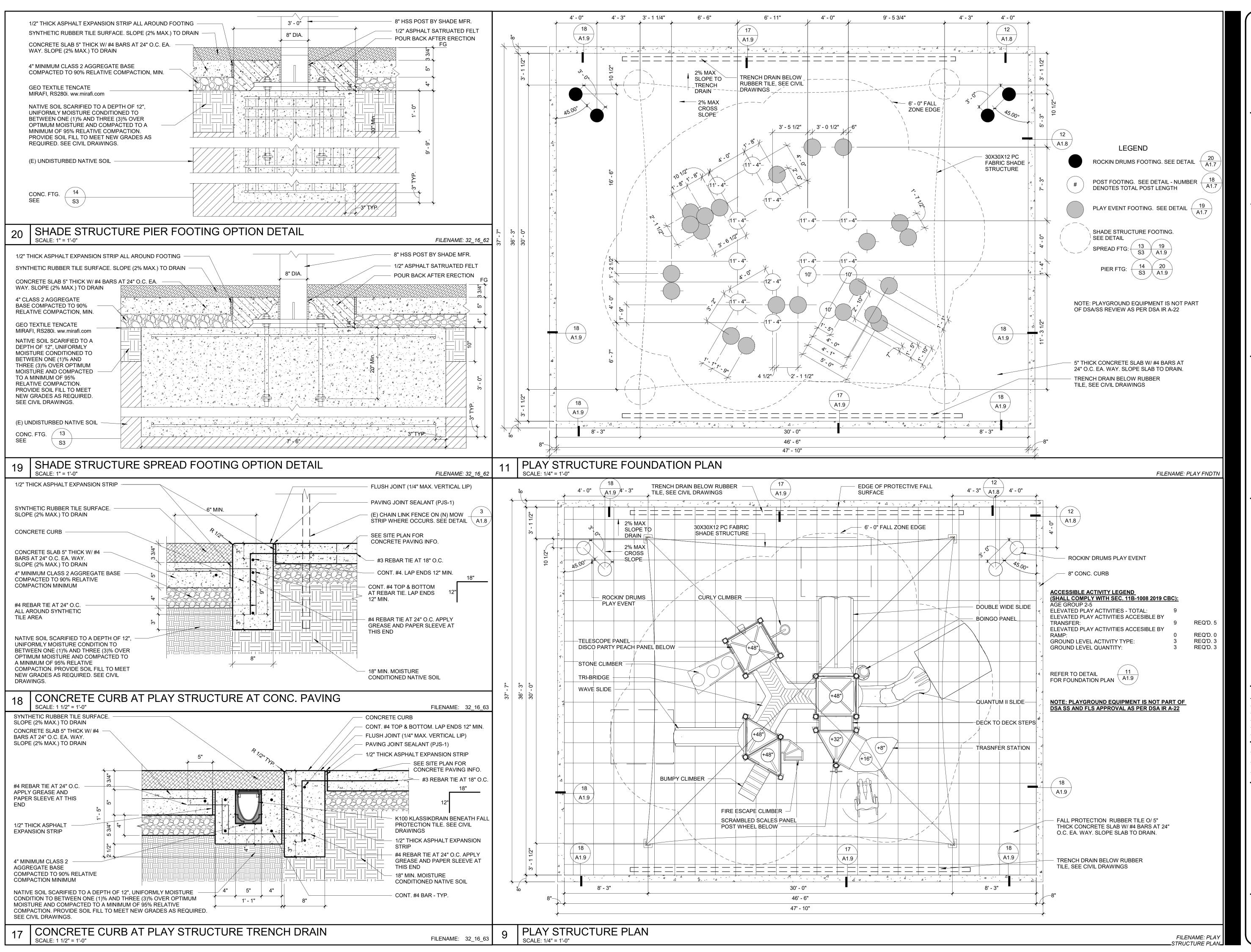
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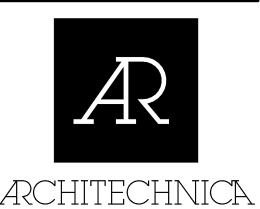
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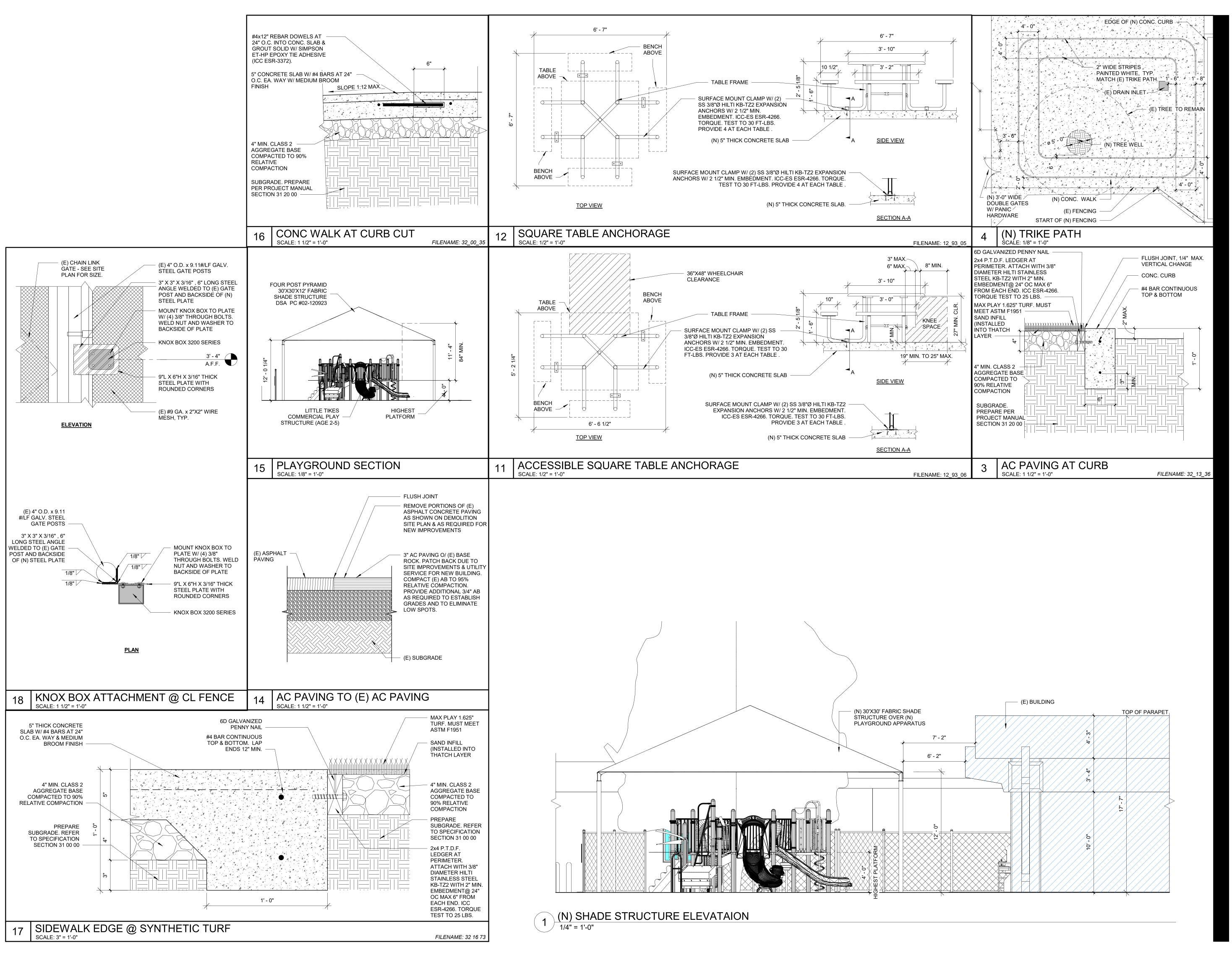
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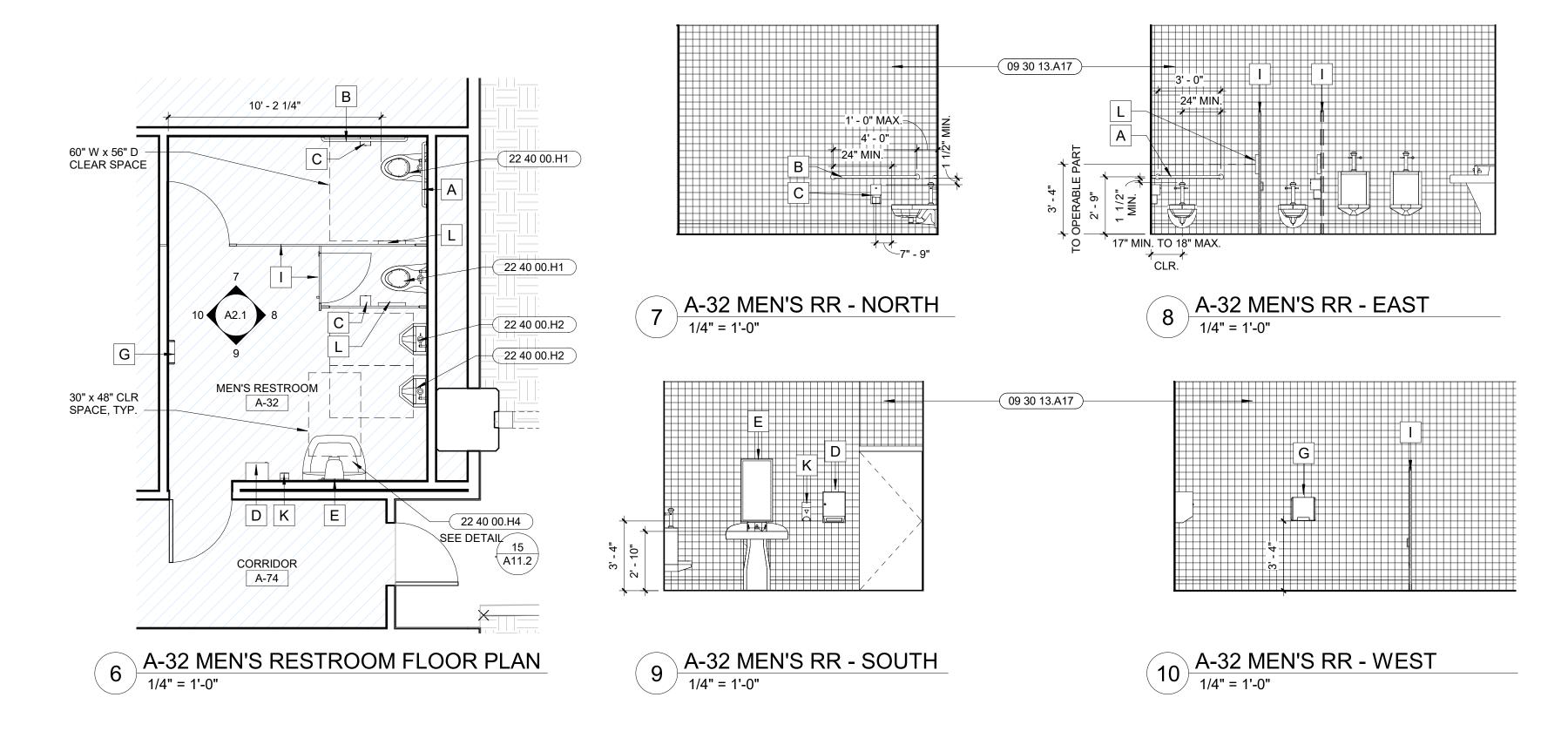
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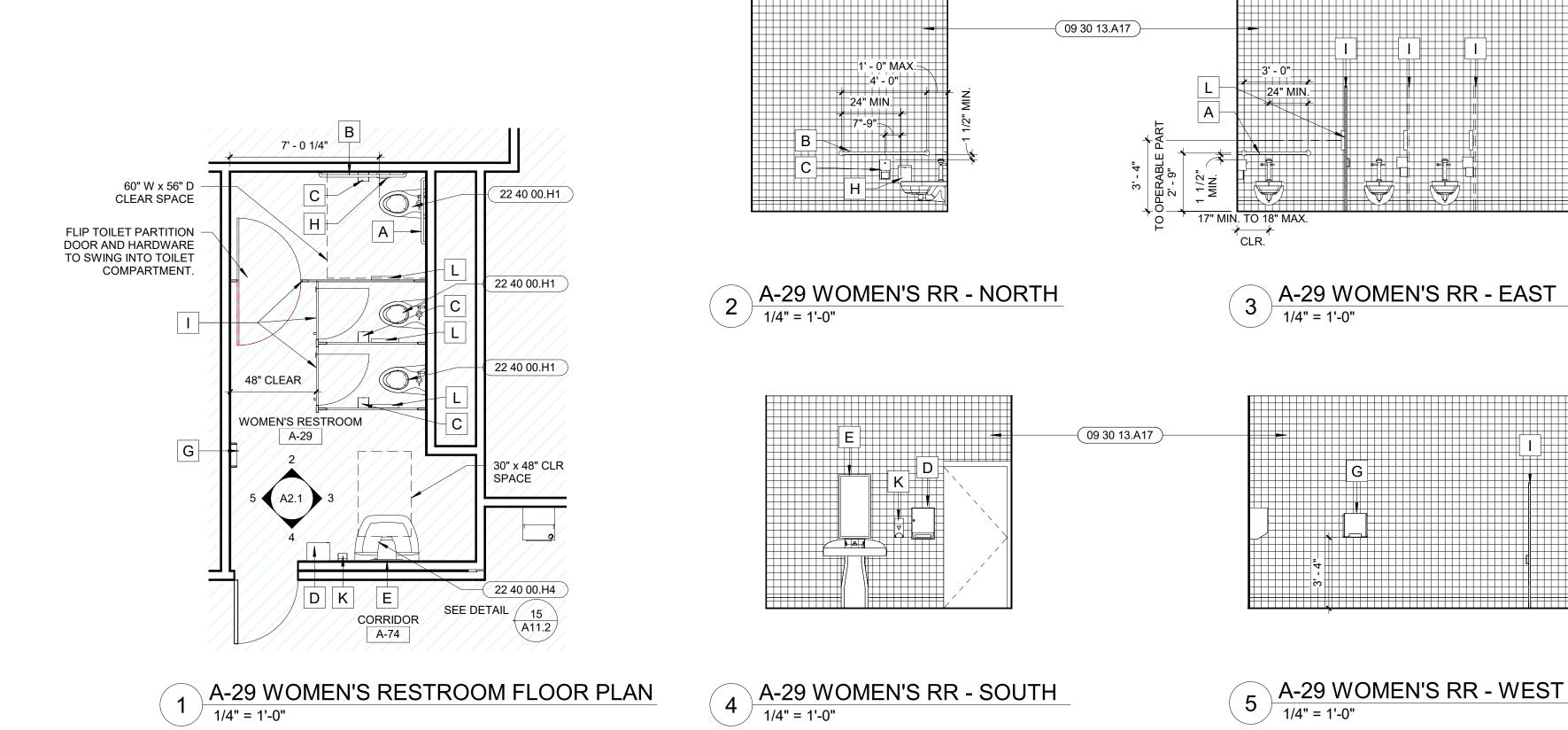
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SITE DETAILS

#### NOTE: EXISTING STAFF RESTROOMS COMPLY WITH CURRENT ADA STANDARDS PER APPROVED EXISTING RESTROOM PLANS SHOWN (DSA #02-102235)



1/4" = 1'-0"



#### TOILET ROOM ACCESSORIES SCHEDULE PER DSA #02-102235

	•	LIVEON	1102 1022	.00
MARK	ITEM	MANUF.	MANUF. NUMBER	NOTES
А	36" GRAB BAR	AMERICAN SPECIALTIES (ASI)	TYPE-01(36")	MOUNTING HEIGHT TO CENTERLINE: +33" A.F.F.
В	48" GRAB BAR	ASI	TYPE-02 (48")	MOUNTING HEIGHT TO CENTERLINE: +33" A.F.F. W/ 24" MIN. PROJECTION IN FRONT OF TOILET
С	TOILET PAPER DISPENSER	PIONEER CHEMICAL COMPANY	EC-200-DL-2-NC	CENTER DISPENSER 12" IN FRONT OF TOILET WITH TOP 3" BELOW GRAB BAR. OWNER SUPPLIED UNIT. CONTRACTOR TO INSTALL
D	PAPER TOWEL DISPENSER	FT. HOWARD	562-01	MOUNT ON WALL WITH DISPENSER OPENING 40" ABOVE THE FLOOR. OWNER SUPPLIED UNIT CONTRACTOR TO INSTALL
Е	MIRROR	ASI	0600-C 18X36	MOUNT ON WALL AS SHOWN ON DRAWING
G	HAND DRYER	ASI	0180	MOUNT ON WALL WITH BOTTOM OF UNIT AT 40" ABOVE THE FLOOR
Н	NAPKIN / TAMPON DISPOSAL	ASI	0852	MOUNT ON TOILET PARTITION OR WALL WITH BOTTOM OF UNIT AT 16" ABOVE THE FLOOR
I	TOILET PARTITIONS	SEE PROJECT MANUAL SECTION 10_16_00		24" WIDE DOOR TO STANDARD STALL 36" WIDE DOOR TO ACCESSIBLE STALL WITH SELF CLOSING HINGES 34" WIDE DOOR AT ALTERNATE ACCESSIBLE STALL WITH SELF CLOSING HINGES
К	SOAP DISPENSER	ASI	0343	MOUNT ABOVE SINK W/ CENTER OF CONTROLS AT 40" ABOVE FLOOR
L	TOILET SEAT COVER DISPENSER	ASI	0477SM	MOUNT ON WALL W/ TOP OF OPENING AT 40" ABOVE FLOOR

#### **KEYNOTE LEGEND**

09 30 13.A17 CERAMIC TILE WALL FINISH W/ CERAMIC TILE BASE
22 40 00.H1 (E) WATER CLOSET TO REMAIN
22 40 00.H2 (E) URINAL TO REMAIN
22 40 00.H4 (E) SINK TO REMAIN

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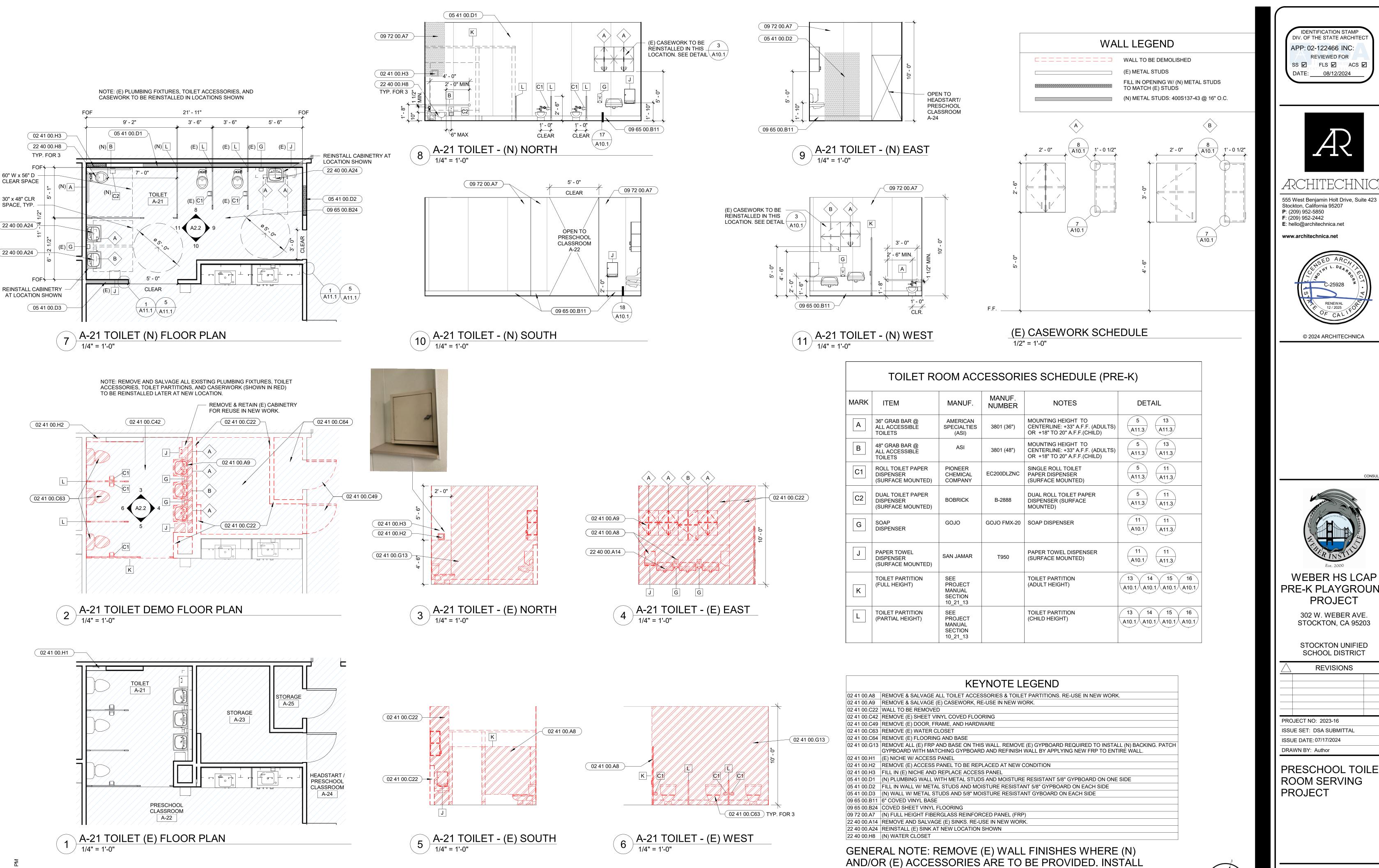
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**EXISTING STAFF** RESTROOMS **SERVING PROJECT** 

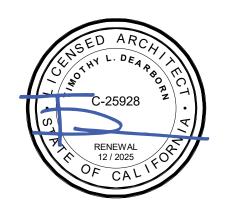
A2.1





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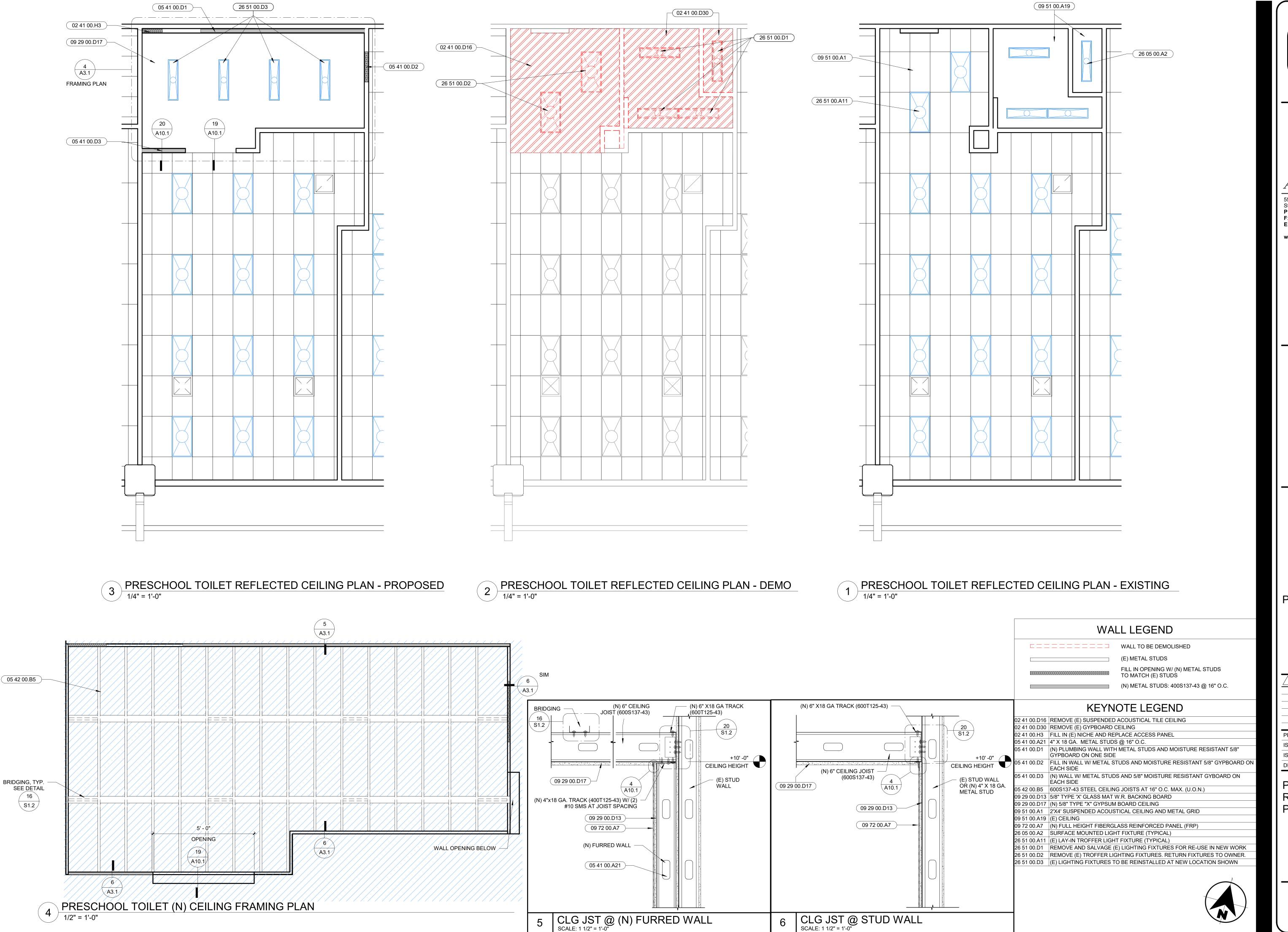
PRESCHOOL TOILET **ROOM SERVING PROJECT** 

NECESSARY BLOCKING TO BE USED FOR ATTACHING NEW

ACCESSORIES. REPLACE WALL FINISHES AND INSTALL

ACCESSORIES AS CALLED FOR ON SCHEDULE.

A2.2



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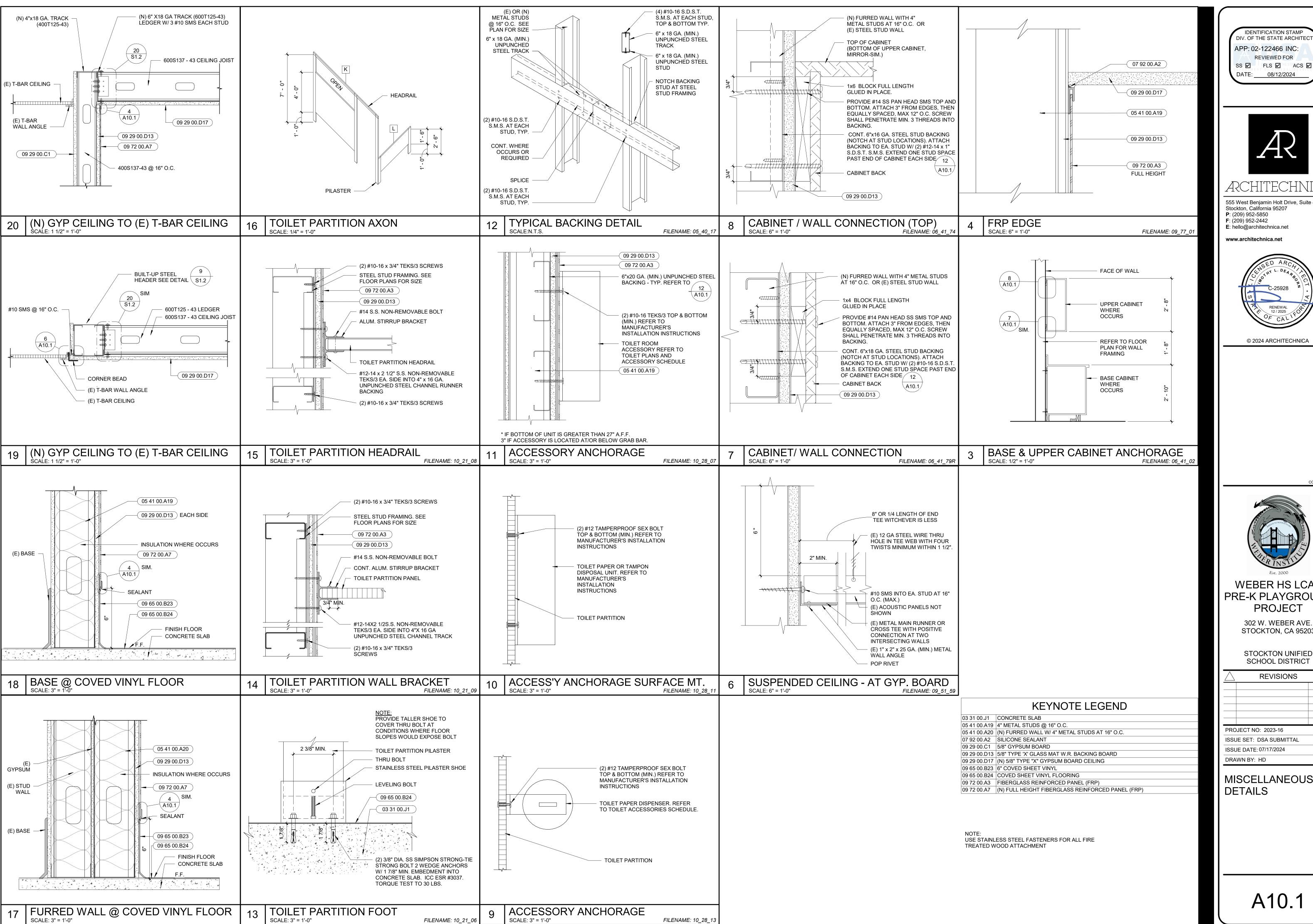
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PRESCHOOL TOILET REFLECTED CEILING PLAN

A3.1





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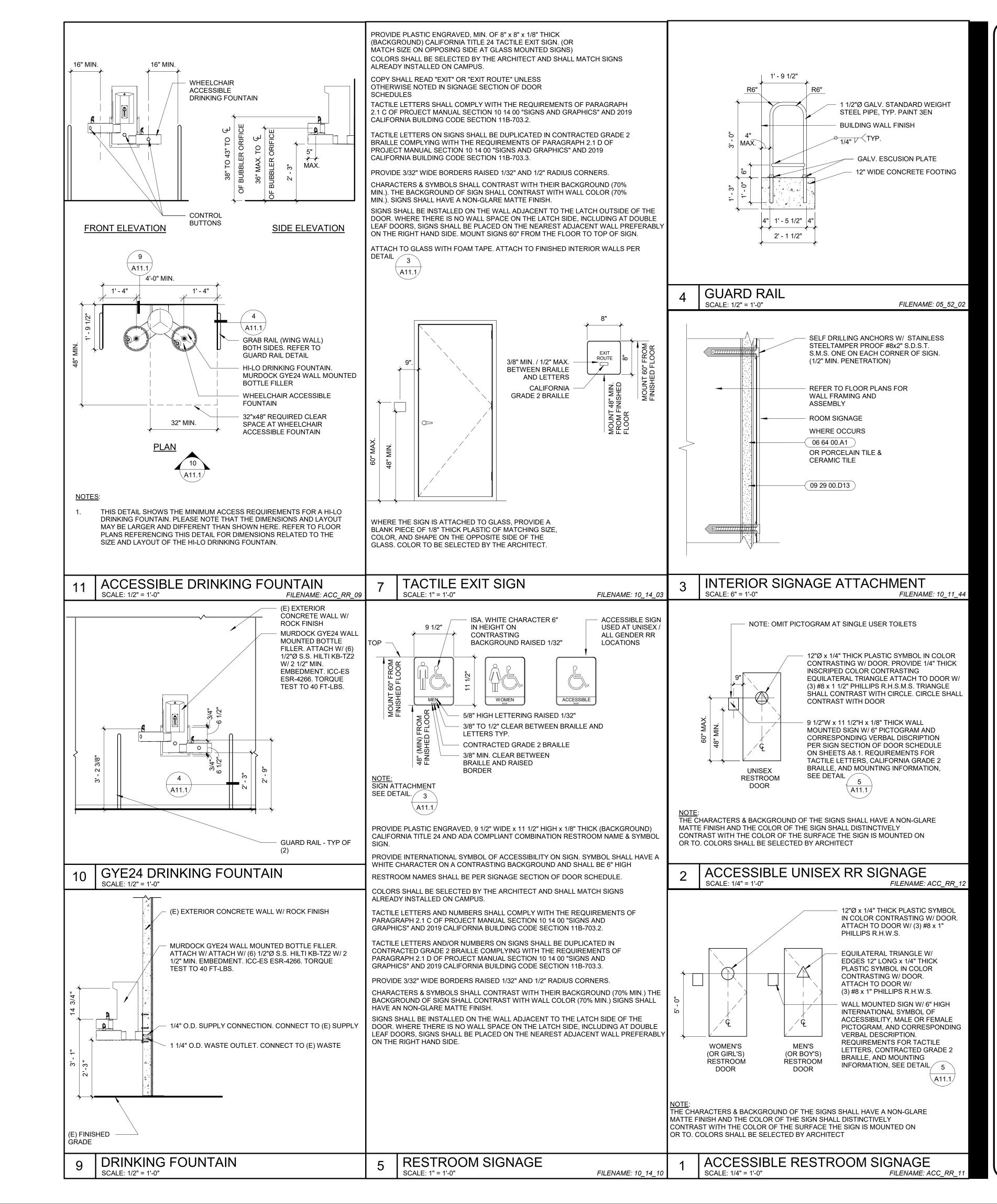
SCHOOL DISTRICT REVISIONS

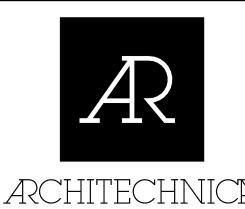
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**MISCELLANEOUS DETAILS** 

A10.1





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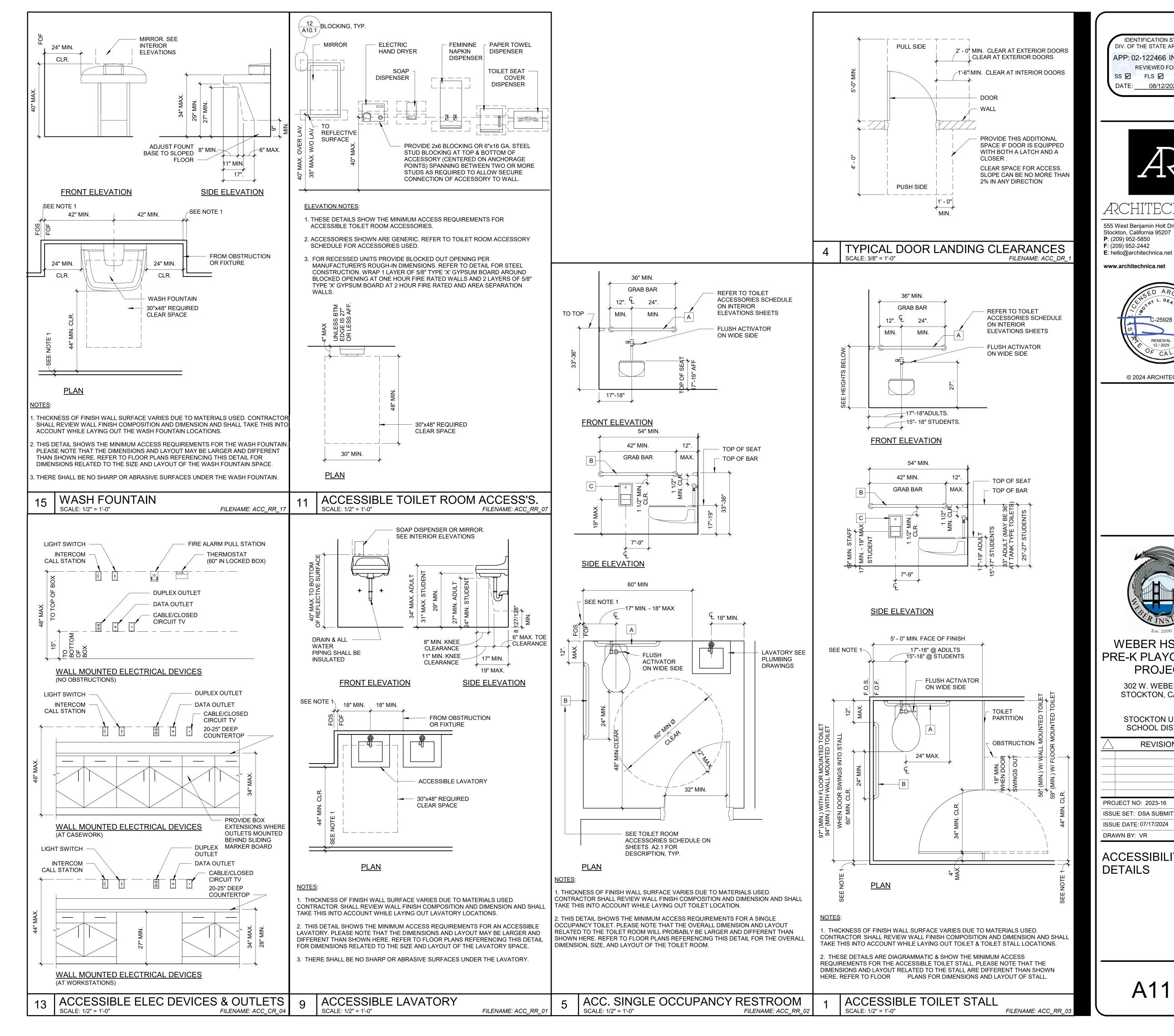
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SIGNAGE DETAILS

A11.1





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**ACCESSIBILITY DETAILS** 

A11.2

KEYNOTE LEGEND REFER TO INT. ELEVATIONS FOR MOUNTING HEIGHTS 09 29 00.D13 5/8" TYPE 'X' GLASS MAT W.R. BACKING BOARD HAND DRYER SOAP PAPER TOWEL DISPENSER BLOCKING, TYP REFLECTIVE SURFACE PROVIDE 2x6 BLOCKING OR 6"x16 GA. STEEL STUD BLOCKING AT TOP & BOTTOM OF ACCESSORY (CENTERED ON ANCHORAGE POINTS) SPANNING BETWEEN TWO OR MORE STUDS AS REQUIRED TO ALLOW SECURE CONNECTION OF ACCESSORY TO WALL **ELEVATION NOTES**: 1. THESE DETAILS SHOW THE MINIMUM ACCESS REQUIREMENTS FOR ACCESSIBLE TOILET ROOM ACCESSORIES. 2. ACCESSORIES SHOWN ARE GENERIC. REFER TO TOILET ROOM ACCESSORY SCHEDULE FOR ACCESSORIES USED. 3. FOR RECESSED UNITS PROVIDE BLOCKED OUT OPENING PER MANUFACTURER'S ROUGH-IN DIMENSIONS. REFER TO DETAIL FOR STEEL CONSTRUCTION. WRAP 1 LAYER OF 5/8" TYPE 'X' GYPSUM BOARD AROUND BLOCKED OPENING AT ONE HOUR FIRE RATED WALLS AND 2 LAYERS OF 5/8" 36" MIN. 36" MIN. TYPE 'X' GYPSUM BOARD AT 2 HOUR FIRE RATED AND AREA SEPARATION GRAB BAR GRAB BAR WALLS. REFER TO TOILET ACCESSORIES SCHEDULE ON 12". L INTERIOR ELEVATIONS SHEETS TO TOP MIN. FLUSH ACTIVATOR ON WIDE SIDE OF TOILET STALL STALL 12" CLEAR 12" CLEAR FRONT ELEVATION FRONT ELEVATION 54" MIN. 54" MIN. - 30"x48" REQUIRED 42" MIN. CLEAR SPACE GRAB BAR GRAB BAR MAX. 48" GRAB BAR -- TO TOP OF BAR 30" MIN. TOILET PAPER <u>PLAN</u> DISPENSER ACCESSIBLE TOILET ACCESS'S. (PRE-K) SCALE: 1/2" = 1'-0" FILENAME: ACC RR 6" MAX. 6" MAX. SOAP DISPENSER OR MIRROR. SIDE ELEVATION SIDE ELEVATION SEE INTERIOR ELEVATIONS REFER TO INT. ELEVATIONS FOR MOUNTING HEIGHTS REMOVE & REPLACE (E) FRP AS REQUIRED TO INSTALL BLOCKING 5' - 0" MIN. FACE OF FINISH SEE NOTE 1 REMOVE & REPLACE (E) 5/8" GYPSUM WALL SEE NOTE 1 BOARD AS REQUIRED TO INSTALL BLOCKING ACTIVATOR ON WIDE SIDE FLUSH ACTIVATOR ON WIDE SIDE (E) STEEL STUD FRAMING AT 16" O.C. 6" MAX. TOE DRAIN & ALL 8" MIN. KNEE CLEARANCE (09 29 00.D13) WATER CLEARANCE PIPING SHALL BE TOILET 11" MIN. KNEE STAINLESS STEEL PARTITION INSULATED CLEARANCE COVER PLATE (SNAP ON) 19" MAX. ATTACH GRAB BAR HANDRAIL FLANGE SIDE ELEVATION FRONT ELEVATION OBSTRUCTION TO BACKING W/ (4) #1/4-14 x 2 1/2" S.D.S.T. S.M.S. SCREWS

FROM OBSTRUCTION

OR FIXTURE

ACCESSIBLE LAVATORY

30"x48" REQUIRED

<u>PLAN</u>

1. THICKNESS OF FINISH WALL SURFACE VARIES DUE TO MATERIALS USED.

TAKE THIS INTO ACCOUNT WHILE LAYING OUT LAVATORY LOCATIONS.

CONTRACTOR SHALL REVIEW WALL FINISH COMPOSITION AND DIMENSION AND SHALL

2. THIS DETAIL SHOWS THE MINIMUM ACCESS REQUIREMENTS FOR AN ACCESSIBLE

LAVATORY. PLEASE NOTE THAT THE DIMENSIONS AND LAYOUT MAY BE LARGER AND

DIFFERENT THAN SHOWN HERE. REFER TO FLOOR PLANS REFERENCING THIS DETAIL FOR DIMENSIONS RELATED TO THE SIZE AND LAYOUT OF THE LAVATORY SPACE.

3. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER THE LAVATORY

ACCESSIBLE LAVATORY (PRE-K)

FILENAME: ACC RR 01

NOTES:

CLEAR SPACE

STAINLESS STEEL

1 1/2"

**FLANGE ELEVATION** 

B-6806 SERIES

4"x18 GA. UNPUNCHED STEEL CHANNEL FULL

S.D.S.T. S.M.S. SCREWS AT EA. STUD. A10.1/

LENGTH OF GRAB BAR (MIN.). NOTCH & ATTACH TO STUDS W/ (2) #10-16 x 1 3/4"

6" COVED SHEET VINYL

1 1/4" TO 1 1/2" GRAB BAR BY BOBRICK

INSULATION WHERE OCCURS

- FRP EDGE TRIM. SEE DETAIL (A10.1)

44 44 44 44

FRP, FULL HEIGHT

GRAB BAR / FRP / COVED BASE

GRAB BAR

MABSOLUTE \

PROVIDE (4)

FLANGE 18 GA. S.S.

S.M.S. SCREWS

(4) LOCKING

DIMPLES

STAINLESS STEEL W/ SNAP FLANGE

SHEET VINYL FLOOR

FILENAME: 10 28 15

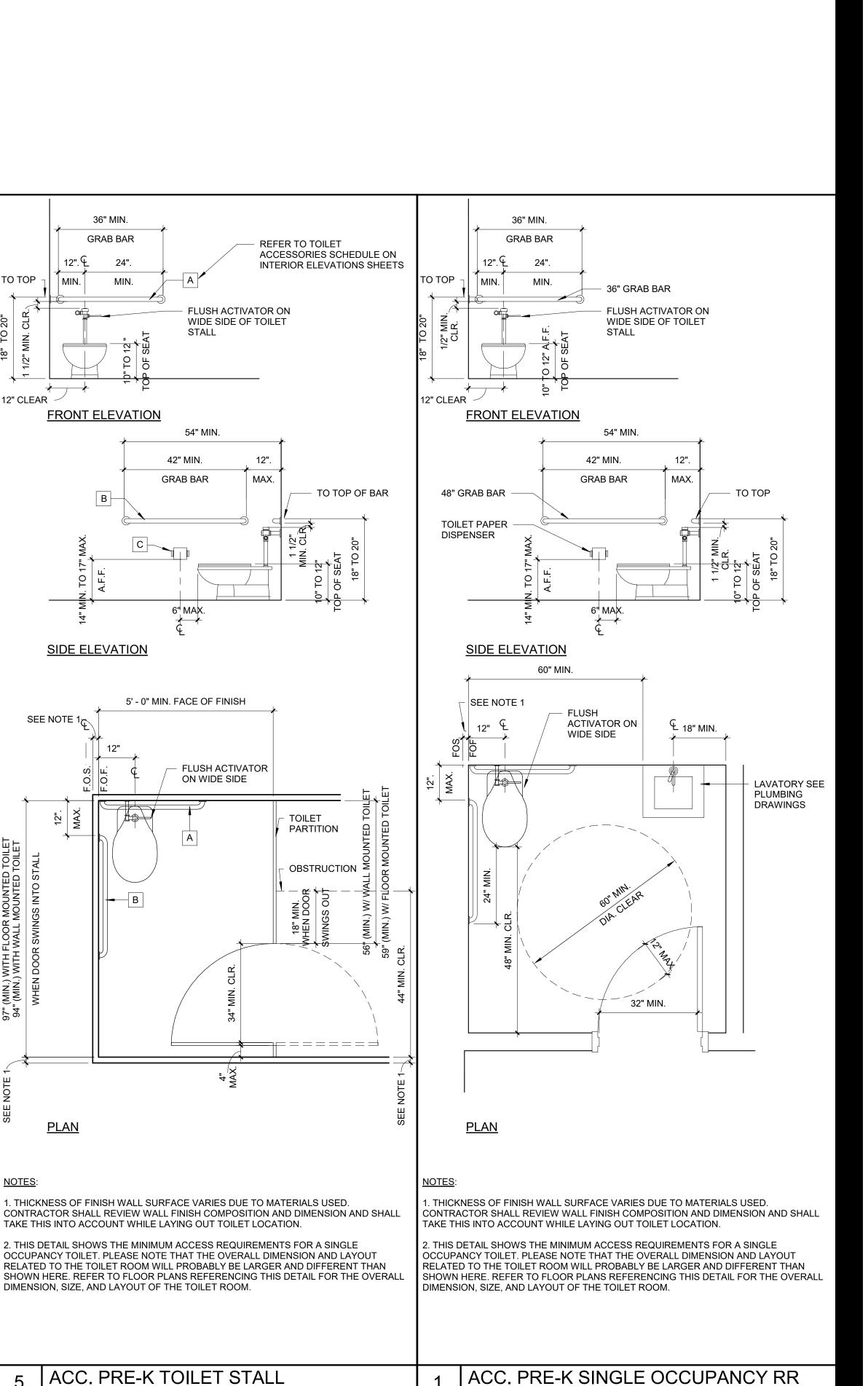
CONCRETE SLAB

11 GAUGE S.S.

MOUNTING HOLES FOR

#1/4-14 x 2 1/2" S.D.S.T.

HANDRAIL TUBING



FILENAME: ACC\_RR\_02

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122466 INC:

REVIEWED FOR
SS FLS ACS D

DATE: 08/12/2024



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CONSULTAN



WEBER HS LCAP PRE-K PLAYGROUND PROJECT

> 302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16

ISSUE SET: DSA SUBMITTAL

ISSUE DATE: 07/17/2024

DRAWN BY: Author

ACESSIBILITY DETAILS (PRE-K)

A11.3

1. Interpretation of drawings & specifications

A. For convenience, specifications have been prepared for this project and are arranged in several sections, but such separation shall not be considered as the limits of the work required by any separate trade. The terms and conditions of

such limitations are wholly between the contractor and his subcontractors. In general, the working details will indicate dimensions, positions and kind of construction, and the specifications will indicate qualities and methods. Any work indicated on the working details mentioned but not in the specifications, or vice versa, shall be furnished as though fully set forth in both. Work not particularly detailed, marked, or specified, shall be the same as similar parts that are detailed, marked, or specified. If conflicts occur between drawings and specifications, the most expensive materials or methods will prevail.

Should an error appear in the working details or specifications or in work done by others affecting this work, the contractor shall notify the architect at once and in writing. If the Contractor proceeds with the work so affected without having given such written notice and without receiving the necessary approval, decision or instruction in writing from the owner, then he shall have no valid claim against the owner, for the cost of so proceeding and shall make good any resulting damage or defect. No verbal approval, decision, or instruction shall be valid or be the basis for any claim against the owner, its officers, employees or agents. The foregoing includes typical errors in the specifications or notational errors in the working details where the interpretation is doubtful or where the error is sufficiently apparent as to place a reasonably prudent contractor on notice that, should he elect to proceed, he is doing so at is own risk.

#### Construction shall conform to all applicable codes and regulations. Shop Drawing Note:

Shop drawings shall be submitted in the form of one reproducible and two

copies of each sheet The purpose of shop drawing submittals by the Contractor is to demonstrate to the Architect that he understands the design concept by indicating which materials he intends to furnish and install, and by detailing the fabrication and installation methods he intends to use.

Prior to fabrication, shop drawings shall be submitted for review to the Architect. Shop drawing submittals shall include, but are not necessarily limited to structural steel, reinforcing steel, glued laminated beams, and pre-fabricated wood roof framing items such as I-joists and trusses

Prior to submission the Contractor shall review all submittals for conformance with the contract documents and shall stamp submittals as being "Reviewed for Conformance" Shop drawing submittals processed by the Architect are not change orders. Any detail on the shop drawing that deviates from the contract documents shall

clearly be marked with the note "This is a Change" Shop drawings or calculations submitted for review that require resubmittalfor re-review shall be billed hourly for such time to the General Contractor. Re-review will not proceed without written approval from the General

It is the Contractors responsibility to comply with the pertinent sections, as they apply to this project, of the "Construction Safety Orders" issued by the State of California latest edition, and all OSHA requirements

Contractor for additional engineering review services.

The owner and the Structural Engineer do not accept any responsibility for the Contractor's failure to comply with these requirements.

The Contractor shall be responsible for adequate design and construction of all forms and shoring required

The Contractor shall notify the Architect where a conflict or a discrepancy occurs between the structural drawings and any other portion of the contract documents or existing field conditions. Such notification shall be given in due time so as not to affect the construction schedule. In case of a conflict between structural drawings and specifications, the more restrictive condition shall take precedence unless written approval has been given for the least restrictive. Contractor shall verify all dimensions with architectural and structural drawings prior to commencing any work. Where no specific detail is shown, the construction shall be identical or similar to that indicated for like cases of construction on this project. Should there be any question,

contact the Architect prior to proceeding. When construction attaches to an existing building, a complete set of drawings of the existing building shall be kept on the job site. Contractor to obtain these drawings from

the owner Contractor shall provide an allowance equal to 2% of the bid for structural steel, misc. iron, light gauge framing, and reinforcing steel to be used at the discretion of the Architect. Unused amount to revert to the owner upon completion of the job.

Any substitutions for structural members, hardware, or details shall be reviewed by the Architect . Such review will be billed on a time and materials basis to the General Contractor with no guarantee that the substitution will be allowed.

Do not scale drawings. Contact the Architect for any dimensions not shown. These drawings are not complete until reviewed and accepted by DSA and signed by

All drawings and written material appearing herein constitutes the original and unpublished work of the Architect and the same may not be duplicated, used or disclosed without written consent of the Architect.

The structure shown on these drawings is structurally sound only in its completed form. The stability of this structure depends on the diaphragms and the bracing members shown. The Contractor is to provide for the design and construction of shoring for all earth, forms, concrete, steel, wood, and masonry to resist gravity, earth, wind, seismic, and construction loads. Shoring shall remain in place until all diaphragms and lateral resisting elements are in place in their entirety. Construction materials shall be spread out if placed on framed floors or roofs. Load shall not exceed the design live load per

#### STRUCTURAL OBSERVATION

This structure requires "Structural Observation" per 2022 CBC section 1709A. The Architect or Engineer of record responsible for the structural design shall perform the structural observation. Observed deficiencies shall be reported In writing. In addition, final written documentation shall be issued stating that the necessary site visits have been made and identifying any reported deficiencies that, to the best of the structural observer's knowledge, have not been resolved.

At a minimum, structural observations are required at the following stages of

construction: A. Prior to concrete placement of first footing pour when all reinforcing steel is in place. B. When 75% percent of the rough framing is in place.

C. When 100% of the roof framing is in place It is the Contractor's responsibility to notify the Architect and Project Inspector

at least 48 hours in advance of these Structural Observations. Structural Observations do not constitute special inspections of any type.

#### LIGHTGAUGE METAL FRAMING

All metal framing shall be formed from corrosion resistant steel conforming to ASTM A653 or ASTM A1011 with minimum yield strength of 33 ksi for 18 ga and lighter and 50 ksi for 16 ga and heavier.

Metal framing shown on the structural drawings shall have channel type sections with stiffened flanges.

Metal tracks shall be the same gauge as framing which it supports, unless

noted otherwise, with minimum flange width of 1 1/4".

Galvanized coating must meet the ASTM C955 specification. Factory punch-outs to be located along the centerline of the webs of the members and have a minimum center-to-center spacing of 24". Punch-outs to have a maximum width=half the member depth (d/2) or 2 1/4", whichever is less, and a maximum length=4 I/2". Lightgauge framing members shall be cut such that the minimum distance between the end of the member and the near

edge of the web punch-out=10". All header members shall be un-punched.

Design properties of metal framing studs, channels & tracks shall conform to (or exceed) the Steel Stud Manufacturer's Association (SSMA) Product Technical Information catalog & ICC Report # ESR-3064P.

#### **CONCRETE**

Structural concrete shall attain 28-day compressive strength as required in note #30. Maximum slump shall not exceed 4".

Concrete mix designs shall be prepared by a registered Civil Engineer, reviewed by Owner's testing laboratory, submitted to the Structural Engineer for review, and accepted by DSA. Selection of concrete mix proportions shall be per ACI 318-14 Cementitious materials:

Cement shall conform to ASTM C-150 type I or II. Fly ash shall conform to ASTM C-618. Max quantity of fly ash shall be as given in specs (15% max u.n.o.)

Concrete aggregates shall conform to ASTM C-33 for normal weight concrete and ASTM C-330 for light weight concrete Water shall be clean and free from injurious amounts of oils, acids, alkalis, salts, organic materials or other substances deleterious to concrete or reinforcement.

Non-shrink grout or drypack shall consist of a premixed nonmetallic formula. See note #27 for additional information. Reinforcing steel shall conform to ASTM A615-grade 60 for #4 and larger, and ASTM A615-grade 40 for #3 and smaller, except reinforcing steel to be welded shall conform to ASTM A706. Contractor shall submit rebar mill certificates.

Welded Wire fabric shall conform to ASTM A-1064. All preheating and welding of reinforcing bars shall be done in accordance with the 2017 edition of the AWS D1.4 and shall be continuously inspected by a qualified laboratory. Contractor shall furnish WPS for all rebar welding to the laboratory. Reinforcing steel shall be fabricated according to "Manual of Standard Practice

for Reinforced Concrete Construction". Dimensions shown for location of reinforcing are to the face of bars listed and denote clear coverage. Non-prestressed, cast-in-place concrete coverage shall

be as follows, u.n.o.: Cast against earth (except slabs) Cast in forms and exposed to earth or weather #6 & larger 1 1/2" #5 & smaller Beams & columns (ties) 1 1/2" Beams & columns (main reinf) Cast-in-place walls (exterior face & soil side) see above Cast-in-place walls 3/4" (interior face - #11 & smaller) Tilt-up walls see details Slabs (on forms) Slabs (on ground) 2" clr from top u.n.o. Splices in continuous reinforcement shall be lapped u.n.o., lap bars 48 bar

diameters u.n.o. Splices in adjacent bars shall be greater than 5 '-0" apart. Splice continuous bars in soil-bearing grade beams, structural slabs on grade and mat foundations as follows u.n.o.: top bars at centerline of support; bottom bars at mid-span. Splice continuous bars in elevated slabs and beams, etc. as follows u.n.o.: top bars at mid-span; bottom bars at centerline of support. All bars size #14 and larger shall be continuous for full length shown or spliced with mechanical couplers as noted in details. Splices in WWF shall overlap 2 squares minimum. The minimum clear spacing between parallel bars in a layer shall not be less than the larger of bar diameter, 1", or 33% greater than the maximum aggregate size (nominal), whichever is greatest. This requirement also applies to the clear spacing between different layers of parallel bars and to the clear distance between a contact lap splice and adjacent splices or bars.

All hooks shall be standard hooks unless otherwise shown or noted. At walls, provide hooks at ends of all reinforcing ends, corners and intersections, u.n.o. Provide construction/control joints at all slabs on grade as noted on plan. Proposed joint plan shall be submitted to the Architect for approval prior to construction. Concrete surface at construction joints shall be thoroughly cleaned and laitance removed. Where indicated on drawings, roughen concrete surface to 1/4" amplitude. Concrete may be roughened by chipping the entire surface, sand blasting, or raking the surface to provide 1/4" deep deformations. Remove all debris from forms before casting any concrete.

Reinforcing, dowels, bolts, anchors, sleeves, etc., to be embedded in concrete shall be securely positioned in forms before placing concrete. Pipes and electrical conduits shall not be embedded in structural concrete or concrete fill over metal decking except where specifically approved by the

Structural Engineer. Anchor bolts (AB's) cast in concrete or masonry for wall sill and ledger/ applications shall be headed bolts with cut threads conforming to ASTM A307 or FI554 u.n.o. Refer to "Wood notes" for additional requirements for bolts in contact with pressure treated or fire retardant material. Refer to 'Structural steel' note

for requirements for anchor rods cast in concrete for column base plate and steel embed applications. Walls shall be cast in horizontal layers of 2-0" maximum depth. Concrete in walls, piers or columns shall set at least 2 hours before placing concrete in beams, spandrels, or slabs supported thereon.

Consolidate concrete placed in forms by mechanical vibrating equipment supplemented by hand-spading, rodding or tamping. Use equipment and procedures for consolidation of concrete in accordance with the recommended practices of ACI 309 to suit the type of concrete and project conditions. Concrete shall not be dropped through reinforcing steel (as in walls) so as to cause segregation of aggregates, in such cases hoppers and chutes or trunks of variable lengths shall be used so that the free unconfined fall of concrete shall not exceed 6 feet. Drill through steel columns, beams and plates to pass continuous reinforcing, u.n.o. No wood spreaders allowed. No wood stakes allowed in areas to be concreted.

Additional reinforcing in precast or tilt-up panels required for lifting stresses shall be supplied by Contractor. Provide #5x4'-0" diagonal reinforcing at mid-depth of slab at all re-entrant corners typical. This applies to slab on grade, concrete over metal deck, and

damage by the saw blade, but before initial shrinkage has occurred.

elevated structural slab conditions. Place non-shrink grout under base plates, sill plates, etc as indicated on the drawings. Non-shrink grout shall be Masterflow 928 Grout by Master Builders Technologies or approved equal with a minimum f'c of 7500 psi @ 28 days. All saw cutting shall be done after initial set has occurred to avoid tearing or

Notify Architect a minimum of 48 hours before placing any concrete. Concrete strength: (max slump 4")

Use	f'c @ 28 days	Max Aggregate Size	Density (lbs/ft³)	Max W/A Ratio
Foundations @ PC Shade Structure	4500 psi	1 1/2"	145	0.58
Foundations	3000 psi	1"	145	0.58
Slab-on-grade	3500 psi	1"	145	0.45
Extr. flatwork	2500 psi	1"	145	0.60

Continuous batch plant inspection may be waived if the requirements of CBC Section

1705A.3.3 are met. When continuous batch plat inspection is waived; 1. Qualified technician of testing lab shall check the first batch at start of day.

2. Licensed Weighmaster to positively identify materials and verify each load. 3. Batch tickets shall accompany each load and shall be transmitted to the PI

who shall keep a daily record of placements. 32. Development lengths shall be provided per the table below unless noted otherwise.

Straight Bars		With Standard Hooks			
Bar	f'c		Bar	f'c	;
Dai	3000 psi	4000 psi	Dai	3000 psi	4000 psi
#3	15"	21"	#3	6"	6"
#4	29"	25"	#4	11"	10"
#5	36"	31"	#5	14"	12"
#6	43"	37"	#6	17"	15"
#7	63"	54"	#7	20"	17"
#8	72"	62"	#8	22"	19"
#9	80"	70"	#9	25"	22"

#### TEST AND INSPECTIONS

Tests and Inspections shall be provided as required per DSA Test & Inspection Form DSA 103 and shall conform to the requirements of 2022 CBC. Chapter 17. All Test and Inspections shall be performed by a certified special inspector from an established Testing & Inspection Company, unless noted otherwise. Jobsite visits by the Structural Engineer do not constitute inspections and are not a substitute for special

The special inspector shall observe the work indicated for conformance with the approved construction documents

The special inspector shall furnish inspection reports to the Division of the State Architect (DSA), the engineer or architect of record, and other designated persons. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority and to DSA.

The special inspector shall submit a final signed report stating whether the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved construction documents and the applicable workmanship provisions of the 2022

It is the contractor's sole responsibility to see that these tests and inspections are performed.

Continuous notation indicates the full-time observation of work requiring special inspection by an approved special inspector who is present at the work area. Periodic notation indicates the intermittent observation of work.

As noted in form DSA 103, the following work Is exempt from DSA requirements for structural tests /

inspection

Post-Installed anchors for the following: A) exempt non-structural components (e.g.mechanical, electrical, plumbing equipment - see Item 7 for "Welding") given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt Item 3 for "Welding". 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.

Epoxy shear dowels In site flatwork and/or other non-structural concrete. Testing of reinforcing bars Is not required for Items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

Non-structural interior cold-formed steel framing spanning less than 15-0", such as in interior partitions, interior soffits, etc. supporting only self weight and lightweightfinishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that

occurring from a 10'x10' opening in a 15' tall wall for a header or king stud. 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 as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).

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 as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing

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 as noted In selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).

Any support for exempt non-structural components given In CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and 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, <20# for discrete units or <5 plf for distributed

#### ADHESIVE ANCHORS-CONCRETE

Where "Hilti" or "Simpson" post-installed adhesive anchors in concrete are called out on plan, the following Hilti or Simpson adhesive products shall be used, respectively. Substitutions between or for other products shall be approved by the engineer prior to use:

Hilti HIT-HY 200 V3 Epoxy Adhesive as manufactured by Hilti, Inc. ICC Report No. ESR-4868 revised March 2023.

Simpson "SET-XP" Adhesive Anchors as manufactured by Simpson Strong-Tie, Inc. ICC-ES Report No. ESR-2508 reissued July 2023. Installation, inspection & testing of anchors shall be in accordance with the

manufacturer's recommendations, ICC-ES report and these notes. Threaded rod anchors shall be FI554, Grade 36 u.n.o.

Continuous special inspection is required In accordance with CBC Section 1701. Special inspector must verify product, expiration date, concrete type and strength, anchor diameter and steel grade, compliance of drill bit, hole diameter and location, cleanliness of hole and anchor, adhesive application, and anchor embedment. See "Test and Inspections" section of plans for additional information. Where pull-test loads are designated on plan, each anchor type (loaded In either

pullout or shear) shall have 50% of the anchors (alternate in each group arrangement) tested in tension to the tension load shown. If any anchor fails testing, all anchors of the same type not previously tested shall be tested until 20 consecutive anchors pass, then initial testing frequency may be resumed. Where pull-test loads are not shown, pull-testing is not required.

The testing of the anchors shall be done by the Testing Laboratory and a report of the test results shall be submitted to the Building Dept, and the Architect/Structural Engineer. Testing shall occur after full epoxy cure time has elapsed (24 hours min). Where the number of anchors of a specific size and type exceed 100, the following testing procedure may be used. The first 40 anchors shall be tested as specified in note 5 above, then 10% of the additional anchors shall be tested. Any failure shall be handled in the same manner as specified in note 5 above.

When installing anchors in existing concrete do not cut or damage existing reinforcing bars. Locate existing reinforcing bars with pachometer or x-ray if

#### POWDER ACTUATED FASTENERS (SHOT PINS) - HILTI

These notes govern all conditions called out on the plans as a "PAF" or "shot pins", unless otherwise noted.

Installation, testing & inspection of all PAFs shall be in accordance with the applicable

evaluation report, these plans, and any project specifications.

PAFs specified in these notes shall be used for dry, interior applications only. All PAFs shall be manufactured by Hilti, inc. Tulsa, Oklahoma in accordance with the ICC evaluation report reference below.

Base Material	Base Material Thickness "T"	Minimum Penetration into Base Material <sup>(b)</sup>	Hilti Fastener	Evaluation Report (Issue Date)
Steel (all	3/16" ≤ "T" < 1/2"	Full		
grades)	1/2" & thicker	1/2"		
normal weight concrete (including concrete fill over metal decking) (a)	3x penetration min.	1"	X-U w/ P8 washer	ESR-2269 (01/2020)
	Steel (all grades)  normal weight concrete (including concrete fill over metal	Material  Thickness "T"  Steel (all grades)  3/16" ≤ "T" < 1/2"  1/2" & thicker   normal weight concrete (including concrete fill over metal	Material     Thickness "T"     Penetration into Base Material (b)       Steel (all grades)     3/16" ≤ "T" < 1/2"	Material       Thickness "T"       Penetration into Base Material (b)       Fastener         Steel (all grades)       3/16" ≤ "T" < 1/2"

#### **TABLE FOOTNOTES:**

3" minimum edge distance & 4" minimum spacing required. Installations in concrete over metal decj may be installed either from underneathe through the metal deck or from above directly into concrete. For fasteners into the botom of metal deck, spacing parallel to the deck flutes shall be 5.1" minimum.

Full penetration means the entire lenth of the tapered tip shall penetrate completely through the base material.

#### EXPANSION ANCHORS-CONCRETE (Carbon and Stainless Steel)

Use Hilti Kwik Bolt-TZ2 Expansion Anchors as manufactured by Hilti Inc., Tulsa Oklahoma. ICC-ES Report No. ESR-4266 reissued December 2023. Installation of anchors shall be in accordance with the manufacturer's recommendations, ICC-ES Report, and these notes

Special inspection is required in accordance with the 2022 CBC Sections 1705A.1.1.3 and 1910A.5. Special Inspector must verify product, expiration date, concrete type and strength, anchor diameter and steel grade, compliance of drill bit, hole diameter and location, cleanliness of hole and anchor, and anchor embedment,

Each anchor type (loaded in either pullout or shear) shall be torque tested in accordance with CBC Section 1910A.5 to the appropriate test load shown in the table. If any anchor fails testing, all anchors of the same type not previously tested shall be tested until 20 consecutive anchors pass, then initial testing

When installing anchors in existing concrete do not cut or damage existing reinforcing bars. Locate existing reinforcing bars with pachometer or x-ray if

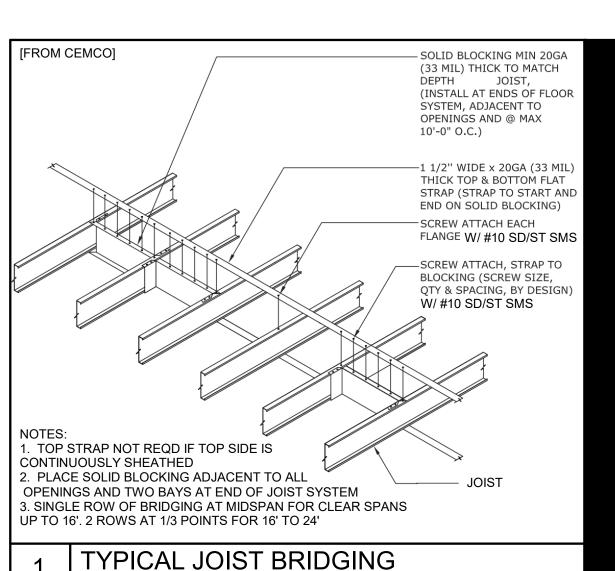
frequency may be resumed.

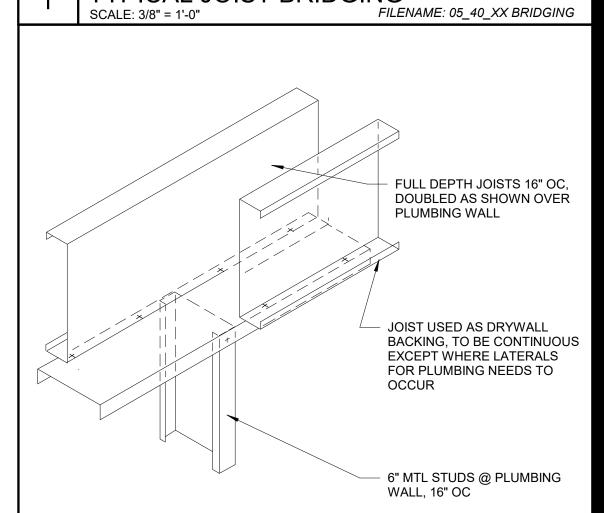
The testing of the anchors shall be done by the Testing Laboratory and a report of the test results shall be submitted to DSA, Architect, and Project Inspector. Anchors installed up into the bottom of metal deck with concrete fill shall be

installed in the center of the low flute of the decking. The decking shall have a minimum thickness of 20 gauge. The minimum depth of embedment above the top of the deck shall be 1 1/2". The effective depth of embedment is considered to be one-third of the metal deck height plus the depth of embedment above the top of the deck. There shall be a minimum concrete cover of 1" between the top surface of the concrete and the end of the bolt.

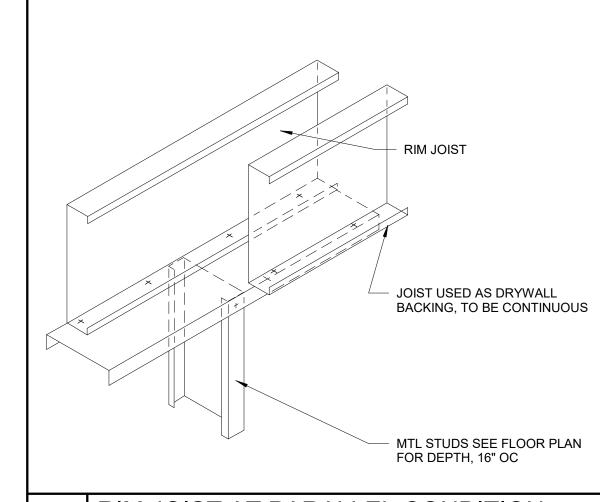
Normal Weight Concrete fc = 3000 psi Hilti Kwik Bolt-TZ2 Expa		Carbon Steel Anchors
Anchor Diameter	Embed	Installation Torque Torque Test Load (ft-lbs)
3/8"	2"	30
1/2"	31/4"	50
5/8"	4"	40
3/"	43/4"	110

Normal Weight Concrete f'c = 3000 psi Hilti Kwik Bolt-TZ2 Expar		Stainless Steel Anchor
Anchor Diameter	Embed	Installation Torque Torque Test Load (ft-lbs)
3/8"	2"	30
1/2"	31/4"	40
5/8"	4"	60
3/"	43/4"	125

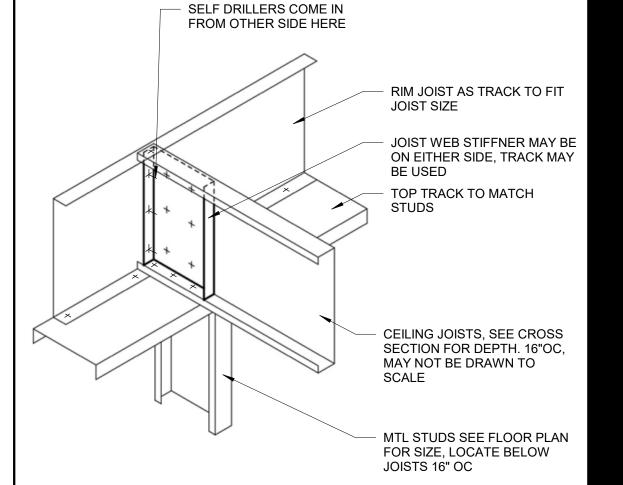




PLUMBING WALL CONDITION FILENAME: 05 40 XX



RIM JOIST AT PARALLEL CONDITION FILENAME: 05 40 XX



WEB STIFFNERS @ JOIST TO PLATE FILENAME: 05 40 XX SCALE: 1 1/2" = 1'-0"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122466 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: \_\_\_\_\_08/12/2024\_



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CONSULTAN



WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 

> 302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

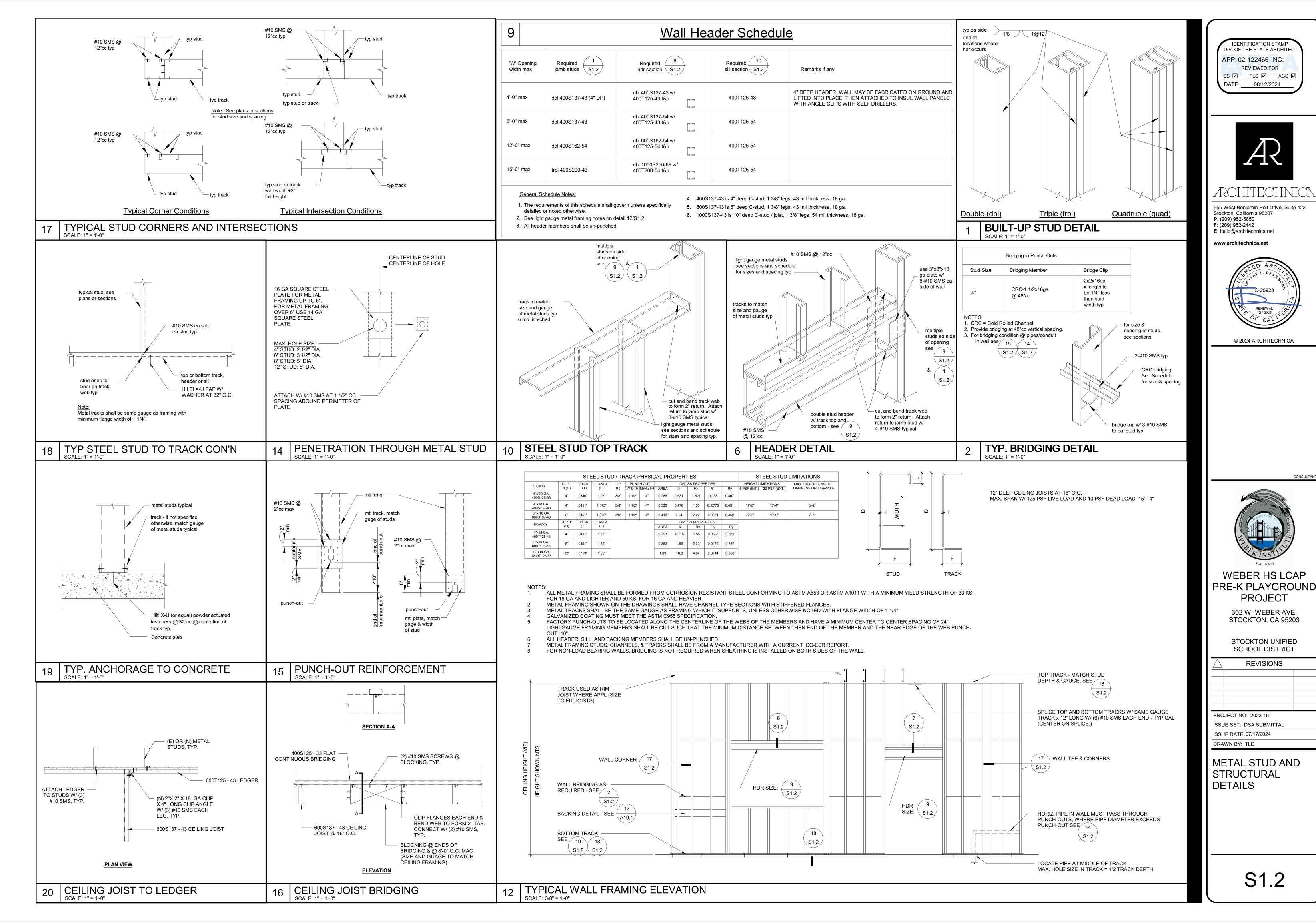
**REVISIONS** PROJECT NO: 2023-16

STRUCTURAL **GENERAL NOTES** 

ISSUE SET: DSA SUBMITTAL

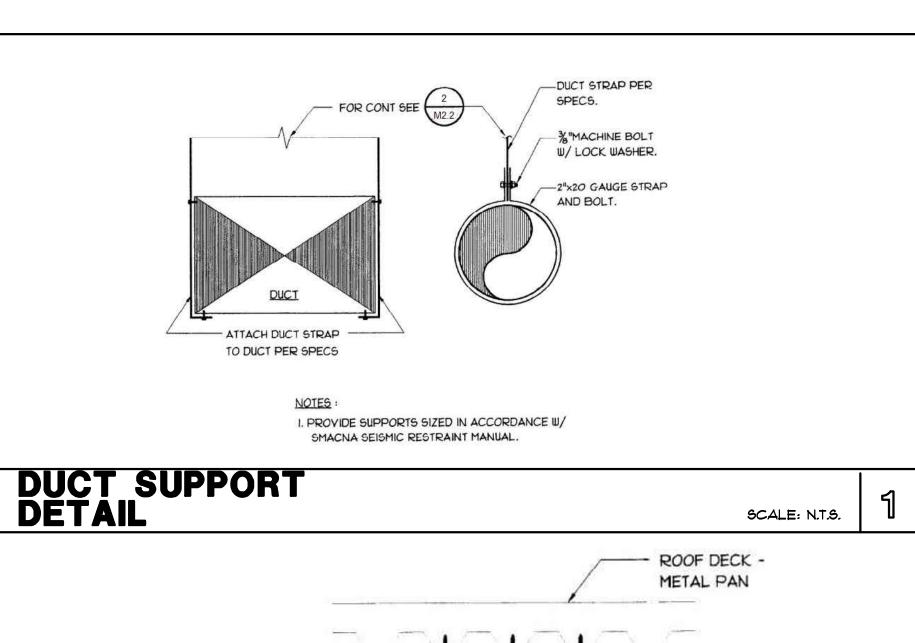
ISSUE DATE: 07/17/2024

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S1.2

CONSULTAN

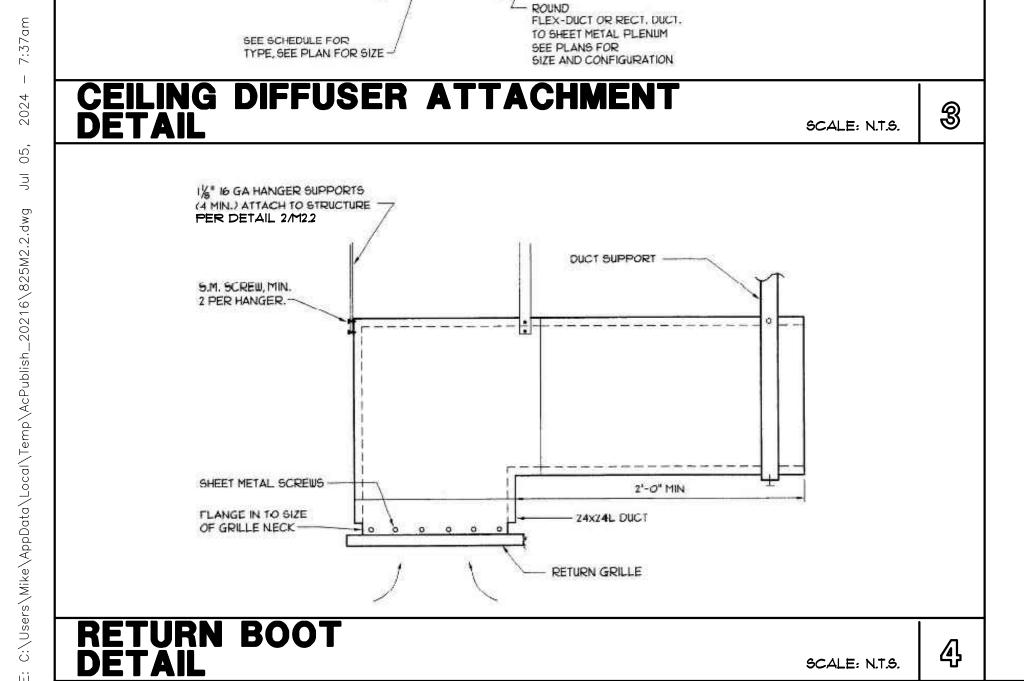


ATTACH STRUT TO PAN B-LINE P-42 STRUT TO AT EA FLUTE W/#10 TEK SPAN MIN 3 FLUTES SCREW MIN. —2"x2"x¼" WASHER. DUCT BRACING 浅" # SPRING NUT (WHERE OCCURS) AND BOLT. DUCT STRAP.

I. PROVIDE SUPPORTS SIZED IN ACCORDANCE W/

SMACNA SEISMIC RESTRAINT MANUAL. UPPER ATTACHMENT DETAIL SCALE: N.T.S. CEILING-MOUNTED AIR TERMINALS OR SERVICES IN T-BAR TYPE CEILING SYSTEMS SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR TO CROSS RUNNERS WITH THE SAME CARRYING CAPACIT AS THE MAIN RUNNERS. 1. TERMINALS OR SERVICES WEIGHING NOT MORE THAN 56 POUNDS SHALL HAVE TWO NO. 12 GAUGE HANGERS CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK. 2. SUPPORT TERMINALS OR SERVICES WEIGHING MORE THAN 56 POUNDS DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS. PROVIDE 4 TAUT 12 GAUGE WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE. THE 4 TAUT 12 GAUGE WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT. 1%" 16 GA HANGER SUPPORTS 3. SECURE AIR INLETS AND OUTLETS TO MAIN RUNNERS OF CEILING (4 MIN.) ATTACH TO STRUCTURE SUSPENSION SYSTEM WITH 2 SHEET METAL SCREWS. PER 2/M2.2---- LINED SHEET METAL PLENUM SIZED 2" LARGER THAN S.M. SCREW, MIN. 2 PER HANGER. -DIFFUSER NECK SHEET METAL SCREWS-

> FLANGE IN TO SIZE OF DIFFUSER NECK -

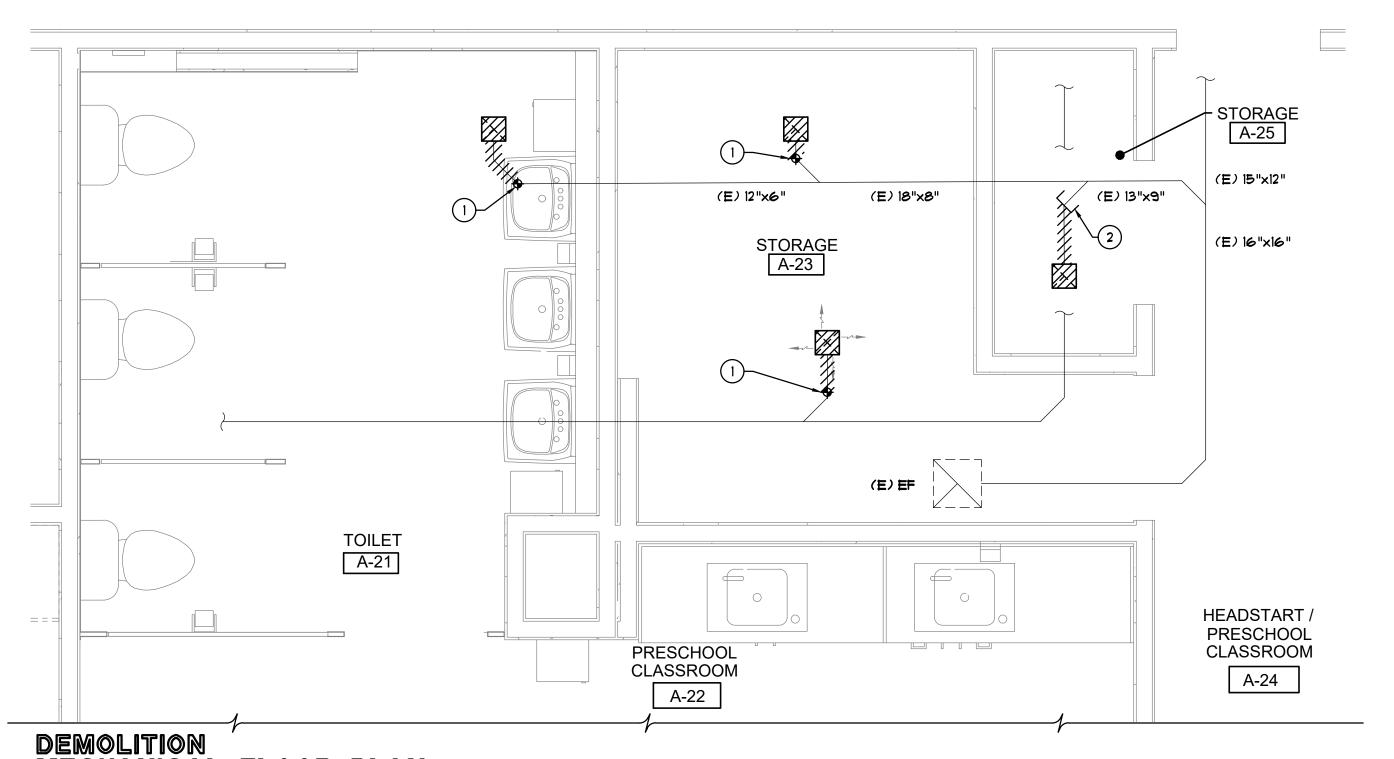


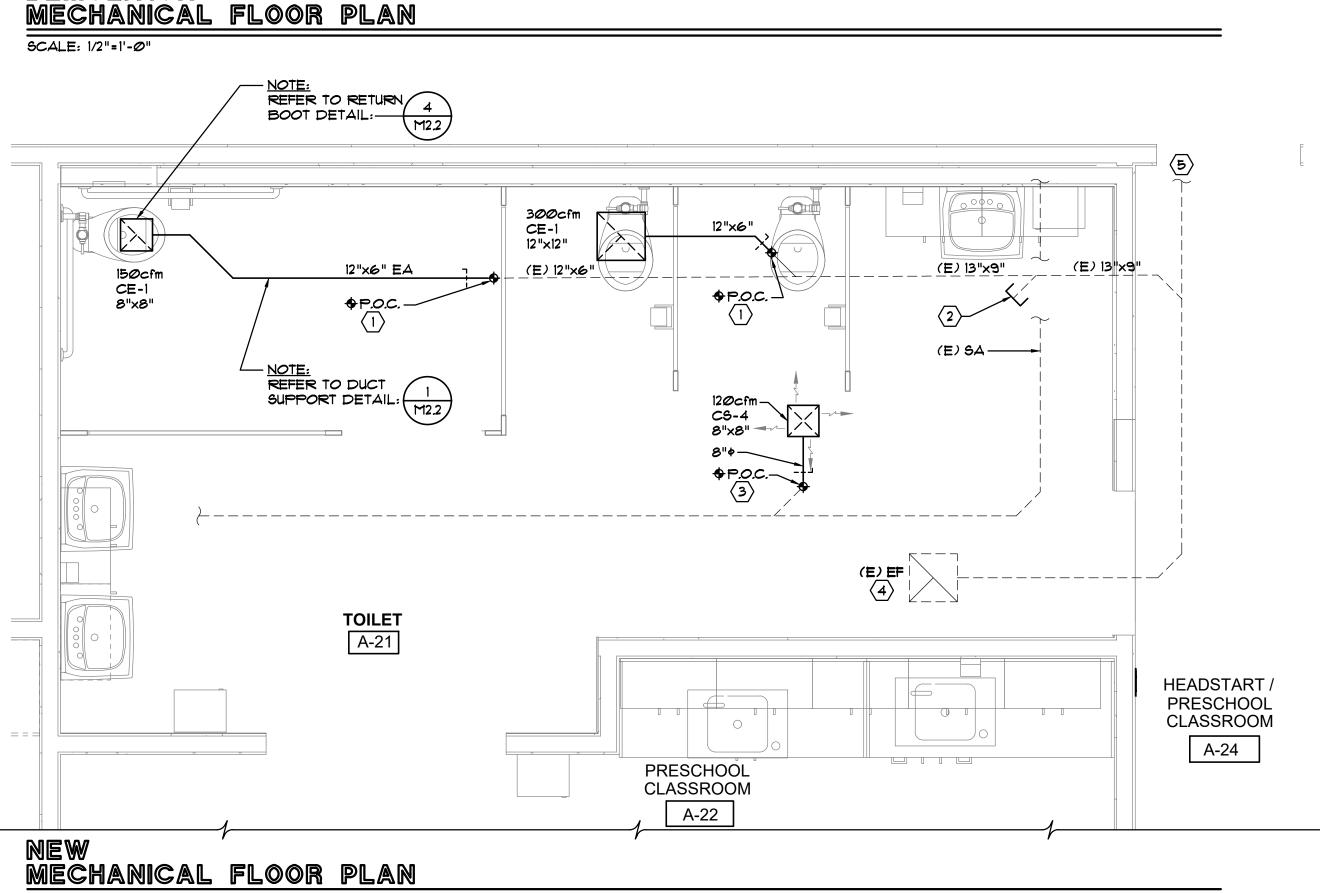
MECHANICAL LEGEND DESCRIPTION CS-4 1ST LETTER-LOC --C-CEILING F-FLOOR CS-4 300cfm 2ND LETTER-SERVICE · { S-SUPPLY R-RETURN E-EXHAUST 4-SEE SCHED. 300cfm = CUBIC FEET PER MINUTE 14"x6" = NECK SIZE KEY NOTE DESIGNATION CEILING SUPPLY REGISTER CEILING RETURN REGISTER CEILING EXHAUST REGISTER EXHAUST FAN

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

SCALE: N.T.S.

GRILLE, REGISTER & DIFFUSER SCHEDULE T-BAR OBD REMARKS SIZE DEFLECTION MOUNTING MODEL MARK MAKE **PANEL** (SEE BELOW) W/ AW APPLIANCE CS-4 7500-0--S | SEE PLAN NO YES NAILOR WHITE FINISH W/ AW APPLIANCE NO CE-1 NAILOR 5145H CEILING WHITE FINISH





## DEMOLITION MECHANICAL KEYNOTES

- REMOVE (E) DUCT AND DIFFUSER SHOWN AS CROSS HATCHED BACK TO \$ P.O.C. INDICATED. REFER TO MECHANICAL FLOOR EXTENSION OF (E) DUCT.
- ig(2ig) CAP (E) EXHAUST DUCT AND REMOVE DUCT AND DIFFUSER SHOWN AS CROSSHATCHED.

#### **NEW MECHANICAL KEYNOTES**

- I > ♦ P.O.C. CONNECT (N) EXHAUST DUCT TO (E) EXHAUST DUCT AND EXTEND AS INDICATED.
- (2) CAPPED DUCT
- (3) \$P.O.C. (N) SUPPLY DUCT TO (E) SUPPLY DUCT AND EXTEND AS INDICATED.
- $\langle$ 4angleRE-BALANCE (E) EXHAUST FAN TO 1390cfm
- (5) RE-BALANCE (E) EXHAUST DUCT SERVING ADJACENT RESTROOMS TO 190cfm

#### DSA MEP COMPONENT ANCHORAGE NOTES

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS OF 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 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
- RECEPTORS 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 THE 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

- 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 DISTRIBUTING SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, 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 ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g. OSHPD OPM FOR 2013 CBC OR LATERS) COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO START OF AND DURING THE HANGING AND BRACING OF DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

> OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

#### **KEY PLAN**

AREA OF WORK

**TITLE 24 DOCUMENTATION** 

SCALE: N.T.S.

TITLE-24 WILL NOT BE REQUIRED FOR ENVELOPE OR MECHANICAL SYSTEMS AS THERE IS NO CHANGE TO ENVELOPE OR MECHANICAL SYSTEM. ALL WORK IS MAINTENANCE COSMETIC.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹



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WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 

> 302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED

	SCHOOL DISTRICT	-
$\overline{\triangle}$	REVISIONS	
PRO	JECT NO: SCHEFLO #24-825	
ISSL	JE SET: DSA SUBMITTAL	

MECHANICAL FLOOR PLAN

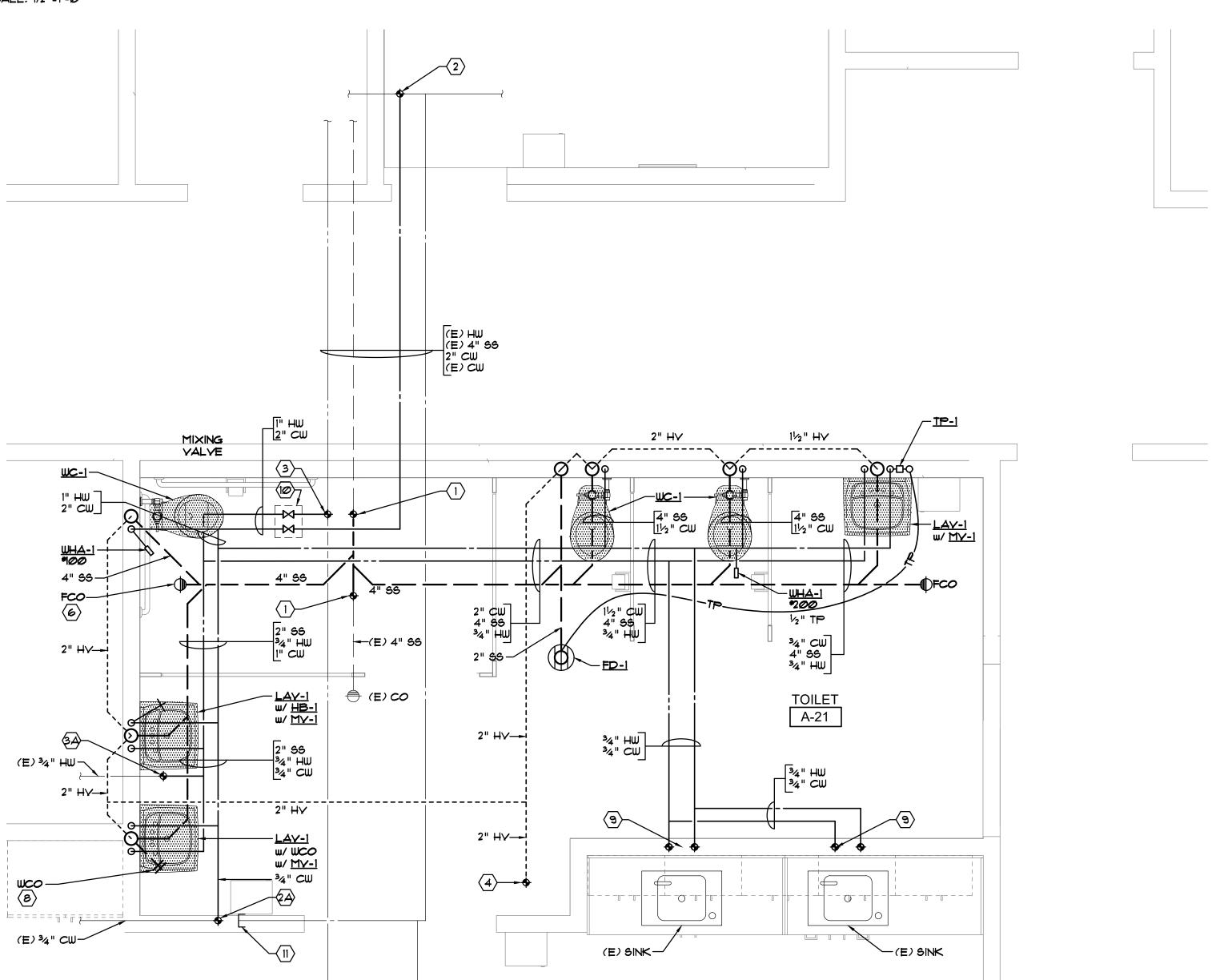
ISSUE DATE: 07/17/2024

DRAWN BY:

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### DEMOLITION PLUMBING FLOOR PLAN

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



#### PLUMBING FLOOR PLAN

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

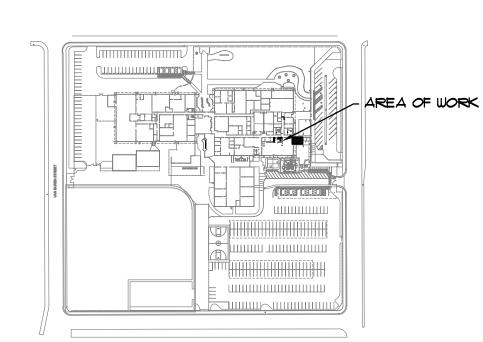
# DEMOLITION PLUMBING KEYNOTES

- REMOVE (E) LAVATORY. CAP (E) PLUMBING SERVICES BEHIND FINISHED SURFACE.
- 2 REMOVE (E) WATER CLOSET CAP (E) PLUMBING SERVICES BEHIND FINISHED SURFACE.

# NEW PLUMBING KEYNOTES

- $\uparrow$  P.O.C. CONNECT (N) 4" SS TO (E) 4" SS AND EXTEND AS INDICATED.  $\langle 5 \rangle$
- (2) \$P.O.C. CONNECT (N) 2" CW TO (E) 3" CW AND EXTEND AS INDICATED. (5)
- AS INDICATED. (5)
- (3) + P.O.C. CONNECT (N) I" HW TO (E) HW MAIN AND EXTEND AS INDICATED. (5)
- (A) + P.O.C. CONNECT (N) 34" HW TO (E) 34" HW AND EXTEND AS INDICATED. (5)
- 4 P.O.C. CONNECT (N) 2" HY TO (E) 2" YTR AND EXTEND AS INDICATED. (5)
- 5 PLUMBING CONTRACTOR TO FIELD VERIFY SIZE AND LOCATION OF (E) SERVICE. PLUMBING CONTRACTOR TO MAKE NECESSARILY ADJUSTMENTS TO CARRY OUT INTENT OF DESIGN.
- 6 FCO, FLOOR CLEANOUT. REFER TO FLOOR CLEANOUT DETAIL:-
- (1) FD-1, FLOOR DRAIN. REFER TO FLOOR DRAIN DETAIL: \_\_
- (8) WCO, WALL CLEANOUT. REFER TO WALL CLEANOUT DETAIL:-
- 9 P.O.C. CONNECT (N) 34" HW & (N) 34" CW TO (E) SINKS WATER SERVICES. 5
- (PROVIDE SOV'S ON CW & HW LINE WITH ACCESS PANEL IN CEILING.
- (II) CAP (E) CW LINE SERVING (E) SINK.

#### **KEY PLAN**



#### PLUMBING GENERAL NOTES

- FOR FIX. CONNECTION SIZES TO THE VARIOUS FIXTURES, REFER TO THE FIX. CONNECTION SCHEDULE ON PS.I.
- 2. PER 2022 CPC SECTION 407.3 HOT WATER DELIVERED FROM PUBLIC USE LAYATORIES SHALL BE LIMITED TO A TEMPERATURE OF 120°F. THE WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED A CONTROL FOR MEETING THIS PROVISION, THEREFORE ALL PUBLIC USE LAYATORIES WITH HOT WATER SHALL HAVE MIXING YALVES, MY-1, OR BE ASSE
- 1070 CERTIFIED.

  3. SLOPE ALL SANITARY SEWER LINES WITHIN BUILDING AT 1/4"/FT.
- 4. ALL HOT WATER PIPING SHALL BE COPPER. 1/2" THRU 1" REQUIRES 1" INSULATION. 1/4 PIPE REQUIRES 1/4" INSULATION. 1/2" PIPE REQUIRES 1/4" INSULATION. 2" PIPE AND LARGER REQUIRES 2" INSULATION
- 5. PLUMBING CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND ELECTRICAL CONTRACTOR TO ELIMINATE ANY SPACE CONFLICTS.
- 6. INSTALLATION OF NEW WASTE LINE REQUIRES SAW CUTTING OF FLOOR.

#### TITLE 24 DOCUMENTATION

TITLE-24 WILL NOT BE REQUIRED FOR ENVELOPE OR MECHANICAL SYSTEMS AS THERE IS NO CHANGE TO ENVELOPE OR MECHANICAL SYSTEM. ALL WORK IS MAINTENANCE COSMETIC.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-122466 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 08/12/2024



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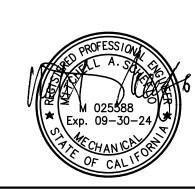
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MPS.I

(4)

MP8.I





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WEBER HS LCAP PRE-K PLAYGROUND PROJECT

> 302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED

SCHOOL DISTRICT

REVISIONS

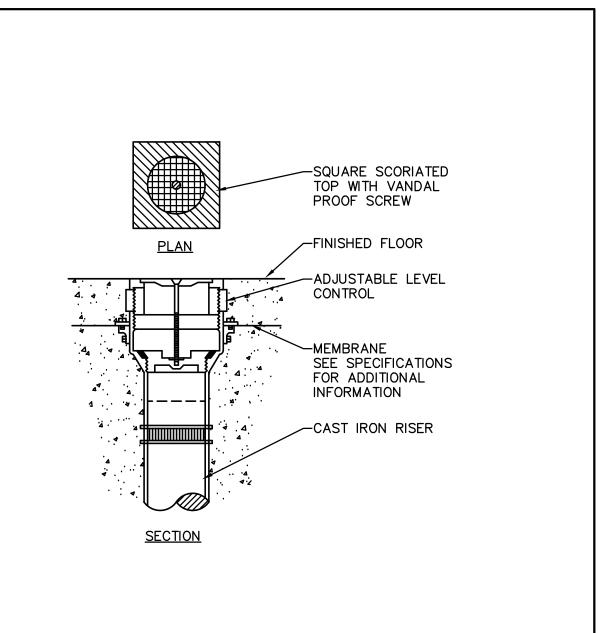
PROJECT NO: SCHEFLO #24-825

ISSUE SET: DSA SUBMITTAL
ISSUE DATE: 07/17/2024

ISSUE DATE: 07/17/2024
DRAWN BY: S. PRUITT

DEMOLITION / NEW PLUMBING FLOOR PLAN

P2.2



FLOOR DRAIN

WALL CLEANOUT

FLOOR DRAIN

DETAIL

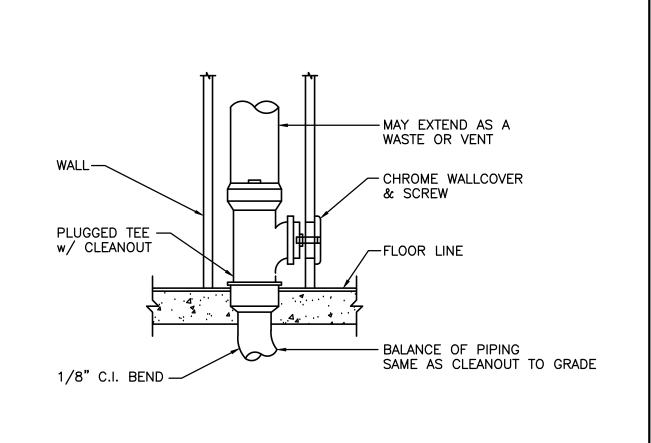
DETAIL

NOT TO SCALE

2

PIPE SUPPORT

NOT TO SCALE



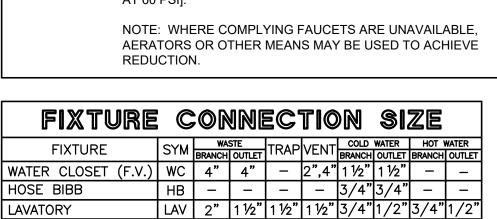
2022 COMMERCIAL CALIF GREEN CODE NOTES	
CODE REQUIREMENTS	LOCATION FOUND
5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH THE FOLLOWING:  5.303.3.1 WATER CLOSETS. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.	REFER TO PLUMBING FIXTURE SCHEDULE ON THIS SHEET FOR REQUIRED FLOW RATES.
NOTE: THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.	
5.303.3.4 FAUCETS AND FOUNTAINS.  5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS. LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT 60 PSI.	REFER TO PLUMBING FIXTURE SCHEDULE ON THIS SHEET FOR REQUIRED FLOW RATES.
5.303.3.4.2 KITCHEN FAUCETS. KITCHEN FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.	
5.303.4.4.3 WASH FOUNTAINS. WASH FOUNTAINS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE/20 [RIM SPACE (INCHES) AT 60 PSI].	
5.303.4.4.4 METERING FAUCETS. METERING FAUCETS SHALL NOT DELIVER MORE THAN .20 GALLONS PER CYCLE.	
5.303.4.4.5 METERING FAUCETS FOR WASH FOUNTAINS. METERING FAUCETS FOR WASH FOUNTAINS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.20 GALLONS PER CYCLE/20 [RIM SPACE (INCHES) AT 60 PSI].	
NOTE: WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE USED TO ACHIEVE REDUCTION.	

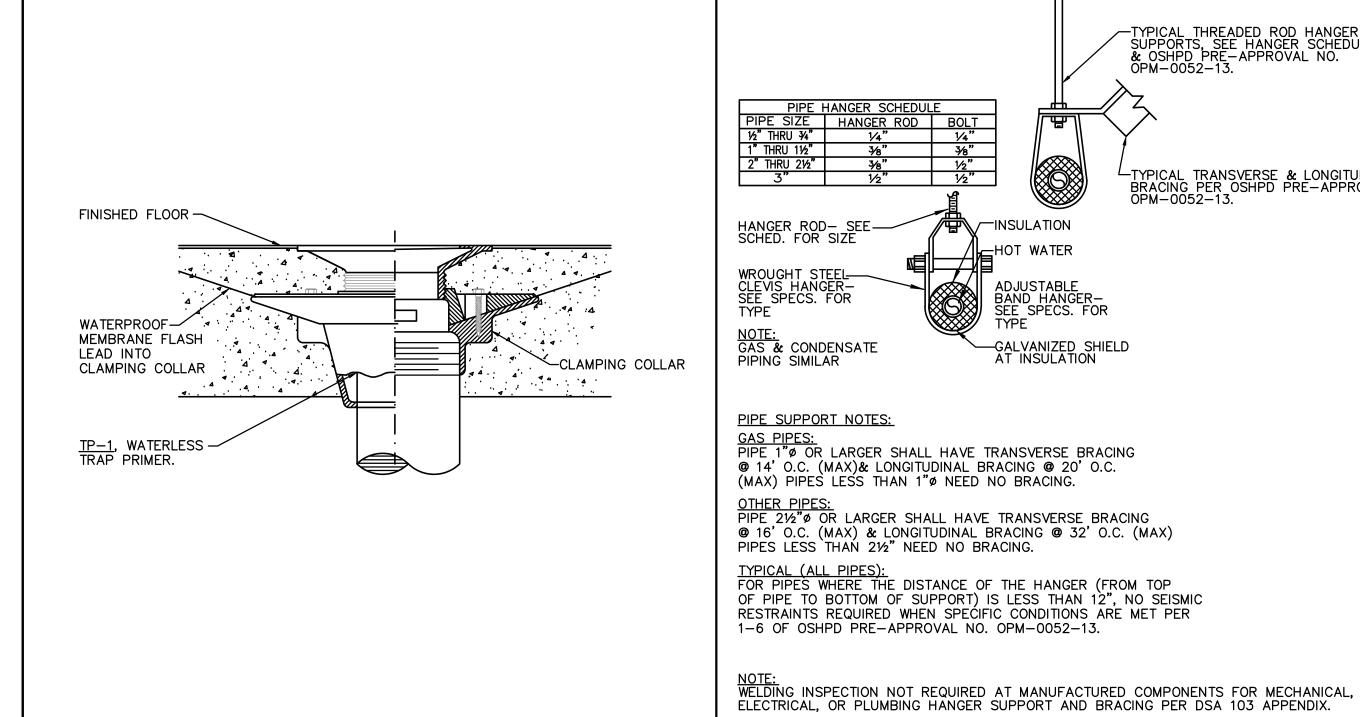
-TYPICAL THREADED ROD HANGER SUPPORTS, SEE HANGER SCHEDULE & OSHPD PRE-APPROVAL NO. OPM-0052-13.

L-TYPICAL TRANSVERSE & LONGITUDINAL BRACING PER OSHPD PRE-APPROVAL OPM-0052-13.

NOT TO SCALE

FIXTURE CONNECTION SIZE									
FIXTURE	SYM		STE	TRAP	VFNT		WATER		VATER
TIXTORE	3111	BRANCH	OUTLET			BRANCH	OUTLET	BRANCH	OUTLET
WATER CLOSET (F.V.)	WC	4"	4"	_	2",4"	1 ½"	1 ½"	_	-
HOSE BIBB	НВ	_	-	_	ı	3/4"	3/4"	-	-
LAVATORY	LAV	2"	1 ½"	1 ½"	1 ½"	3/4"	1/2"	3/4"	1/2"
FLOOR DRAIN 2"& 3"	FD	2",4"	2",3"	2",3"	2"	-	ı	-	-





NOT TO SCALE

	Plumbing fixture schedule					
MARK	MAKE & MODEL	DESCRIPTION	TRIM	REMARKS	CAL GREEN REDUCED DEMAND (GPM)	SPECIFIED FIXTURE DEMAND (GPM)
WC-1	AMERICAN STANDARD BABY DEVERO 2282.001	1.28 GPF FV WATER CLOSET FLOOR MOUNTED	SLOAN ROYAL 111-1.28 GPF	CHURCH 1580C WHITE TOILET SEAT	1.28 GPF	1.28 GPF
LAV-1	AMERICAN STANDARD LUCERNE 0356.421	ACCESSIBLE LAVATORY WALL HUNG SINGLE HOLE	CHICAGO 3502-E2805ABCP	ZURN Z1231 CARRIER PROVIDE WITH Z8746 DRAIN, Z8996-3-PC OFFSET P-TRAP, Z8804LRLK-PC SUPPLY KIT AND Z8946-3-NT OFFSET TRAP PROVIDE WITH MV-1	.2 GPM / CYCLE	.08 GPM / CYCLE
WHA-1	ZURN Z-1700	WATER HAMMER ARRESTOR	SEE PLAN FOR SIZE	PROVIDE ELMDOR DW-SS-CL 12"X12" STAINLESS STEEL ACCESS PANEL WITH CYLINDER LOCK		
FCO	ZURN ZN-1400	FLOOR CLEANOUT		SEE SPECIFICATIONS FOR TOP		
wco	ZURN ZS-1446	WALL CLEANOUT		SEE SPECIFICATIONS FOR TOP		
HB-1	ACORN 8121CP-LF	HOSE BIBB (INTERIOR)	POLISHED CHROME FINISH	PROVIDED WITH VACUUM BREAKER		
MV-1	BRADLEY S59-4000	NAVIGATOR THERMOSTATIC MIXING VALVE		PROVIDE ELMDOR DW-SS-CL 12"X12" STAINLESS STEEL ACCESS PANEL WITH CYLINDER LOCK		
FD-1	ZURN ZN-415-S-P	SQUARE FLOOR DRAIN	w/ TRAP PRIMER CONNECTION	NICKEL BRONZE HEEL-PROOF STRAINER		
TP-1	ZURN Z-1022	AUTOMATIC TRAP PRIMER	PROVIDE w/ STAINLESS STEEL ACCESS DOOR w/ CYLINDER LOCK	PROVIDE WITH ACCESS PANEL. ZURN Z-1023 TRAP PRIMER CONNECTION AT FLOOR DRAIN		

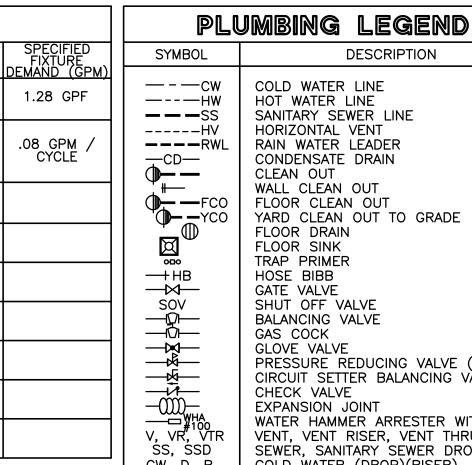
	-1 -1	
CPC APPENDIX 'A' CALCULAT		
PRESSURE AVAILABLE AT METER		40 PSI
PRESSURE LOSS THRU METER		3 <b>P</b> SI
PRESSURE LOSS DUE TO HEIGHT	3 FT	1.3 PSI
PRESSURE LOSS FROM BACKFLOW PREVENTER		0.0 PSI
PRESSURE LOSS FROM WATER SOFTENER		0.0 PSI
PRESSURE LOSS FROM OTHER DEVICES		0.0 PSI
TOTAL PRESSURE LOSS		4.3 PSI
PRESSURE REQUIRED AT HIGHEST FIXTURE		20.0 PSI
PRESSURE AVAILABLE FOR FRICTION LOSS		15.7 PSI
TOTAL DEVELOPED LENGTH OF RUN		4 <i>0</i> 5.0 FT
LENGTH OF PIPE + 15% FOR FITTINGS		465.7 FT
MAXIMUM ALLOWABLE FRICTION LOSS		3.4 PSI/IØØ FT

DOMESTIC COLD (	NATER SIZIN	IG CHART		
PIPE SIZE	F.U.			
	F.T.	F.Y.		
l <sub>/2</sub> "	Ø			
3/4"	4			
1"	13			
11/4"	24			
11/2"	46	10		
2"	155	63		
21/2"	38Ø	245		

THE SIZING CHART IS BASED ON THE 2022 CPC APPENDIX 'A' WITH A AP OF 3.4 PSI PER 100 FT W/ MAXIMUM VELOCITY OF Sft/SEC.

DOMESTIC HOT W	ATER SIZING	G CHART	
PIPE SIZE	F.U.		
	F.T.	F.Y.	
l <sub>/2</sub> "	Ø		
3/4"	4		
1"	13		
11/4"	24		
11/2 "	46		
2"	119		
21/2"	245		

THE SIZING CHART IS BASED ON THE 2022 CPC APPENDIX 'A' WITH A AP OF 3.4 PSI PER 100 FT W/ MAXIMUM VELOCITY OF 5ft/SEC.



YARD CLEAN OUT TO GRADE SS, SSD HW, D, R THW LPG CA DL DS BG LAV SINK FHC

FLOOR DRAIN FLOOR SINK TRAP PRIMER HOSE BIBB GATE VALVE SHUT OFF VALVE BALANCING VALVE GAS COCK GLOVE VALVE PRESSURE REDUCING VALVE (PRV) CIRCUIT SETTER BALANCING VALVE CHECK VALVE EXPANSION JOINT WATER HAMMER ARRESTER WITH SIZE VENT, VENT RISER, VENT THRU ROOF SEWER, SANITARY SEWER DROP COLD WATER (DROP)(RISER) HW SUPPLY (DROP)(RISER) HOT WATER RETURN TEMPERED HOT WATER NATURAL GAS LOW PRESSURE MEDIUM PRESSURE GAS HIGH PRESSURE GAS PROPANE GAS COMPRESSED AIR DRAIN LINE DOWN SPOUT ROOF DRAIN AREA DRAIN ABOVE CEILING BELOW GRADE MIXING VALVE WATER CLOSET URINAL LAVATORY SERVICE SINK WASHING MACHINE DRINKING FOUNTAIN GARGABE DISPOSAL FIRE PROTECTION LINE FIRE HOSE CABINET FHS FIRE HOSE STANDPIPE INVERT ELEVATION FINISHED GARDE FUEL GAS **◆**P.O.C. POINT OF CONNECTION

ACCESS PANEL

VITRIFIED CLAY CENTER LINE HEADER

THOUSANDS OF BTU PER HOUR NOT IN PLUMBING CONTRACT

UNDER PLUMBING CONTRACT

DEVELOPED LENGTH

CAST IRON

DN

MBH

DESCRIPTION

COLD WATER LINE

HORIZONTAL VENT

RAIN WATER LEADER

CONDENSATE DRAIN

WALL CLEAN OUT

FLOOR CLEAN OUT

CLEAN OUT

SANITARY SEWER LINE

HOT WATER LINE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/12/2024



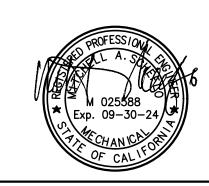
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ALEXANDER SCHEFLO and ASSOCIATES. Inc. Mechanical Engineers (209) 948-9761 2926 Pacific Ave. Stockton, Ca. 95204 ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF THE CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF THE DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEE C. Alexander Scheflo & Assoc., Inc



WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 

302 W. WEBER AVE.

STOCKTON UNIFIED

SCHOOL DISTRICT

STOCKTON, CA 95203

**REVISIONS** PROJECT NO: SCHEFLO #24-825 ISSUE SET: DSA SUBMITTAL

PLUMBING SCHEDULES

ISSUE DATE: 07/17/2024 DRAWN BY: S. PRUITT

P8.1

- 1. ELECTRICAL INSTALLATION SHALL COMPLY WITH TITLE 24, CALIFORNIA
- CODE OF REGULATIONS, INCLUDING THE FOLLOWING: TITLE 24, CCR, PART 2, 2022 CBC
- TITLE 24, CCR, PART 3, 2022 CEC
- TITLE 24, CCR, PART 4, 2022 CMC
- TITLE 24, CCR, PART 9, 2022 CFC TITLE 24, CCR, PART 6, 2022 CALIFORNIA ENERGY CODE
- TITLE 24, CCR, PART 11, 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE ALL APPLICABLE LOCAL CODES
- 2. THE ELECTRICAL SERVICES ARE EXISTING. THE ELECTRICAL CONTRACTOR SHALL FAMILIZE THEMSELVES WITH THE EXISTING CONDITONS, DISTRIBUTION AND SIGNAL SYSTEMS PRIOR TO BID.
- 3. CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, LICENSES, ETC. REQUIRED TO CARRY ON AND COMPLETE THE WORK.
- 4. PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR ANY REASONABLE INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" WHETHER SPECIFICALLY MENTIONED OR NOT; ALL AS INDICATED, SPECIFIED HEREIN, AND/OR IMPLIED THEREBY TO CARRY OUT THE APPARENT INTENT THEREOF.
- 5. ALL MATERIALS SHALL BE NEW AND LISTED WITH THE UNDERWRITERS' LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
- 6. ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND INSTALLING HIS WORK TO AVOID INTERFERENCE WITH OTHER TRADES.
- 7. WORK SHOWN ON THE DRAWINGS TO BE INSTALLED UNDERGROUND SHALL BE INSTALLED AT LEAST 24" BELOW GRADE UNLESS OTHERWISE NOTED. BACKFILL IN 6" THICK, PROPERLY MOISTENED LAYERS, SOLIDLY PACKED AND IRON TAMPED TO A DENSITY NOT LESS THAN THAT OF ADJACENT, UNDISTURBED EARTH. RESTORE SURFACES, ROADWAYS, WALKS, CURBS, WALLS AND EXISTING UNDERGROUND INSTALLATIONS TO ORIGINAL CONDITION IN AN ACCEPTABLE MANNER.
- 8. ALL ELECTRICAL EQUIPMENT EXPOSED TO THE WEATHER SHALL BE LISTED FOR EXTERIOR USE.
- 9. ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER THEIR LISTING OR LABELING.
- 10. IN LOCATIONS WHERE ELECTRICAL EQUIPMENT WOULD BE EXPOSED TO PHYSICAL DAMAGE. ENCLOSURES OR GUARDS SHALL BE SO ARRANGED AND OF SUCH STRENGTH AS TO PREVENT SUCH DAMAGE.
- 11. CONFLICTS BETWEEN SPECIFICATIONS AND PLANS:
- a. ANY CONFLICT BETWEEN ELECTRICAL SPECIFICATIONS AND ELECTRICAL PLANS; OR BETWEEN ELECTRICAL PLANS AND PLANS OF ANOTHER DISCIPLINE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND A RESOLUTION RECEIVED PRIOR TO PROCUREMENT OR INSTALLATION OF THE ITEM IN
- b. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT RECEIVING ANY RESOLUTION TO THE CONFLICT HE/SHE DOES SO AT HIS/HER OWN RISK AND SHALL RECTIFY THE WORK TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.

#### 260500.01. HVAC SYSTEMS:

- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS OF ALL HVAC UNITS, DISCONNECTS AND DEVICES IN FIELD. COORDINATE ROOF PENETRATIONS FOR DISCONNECTS AND WEATHERPROOF OUTLETS WITH ELECTRICAL CONNECTION POINTS ON THE UNITS TO KEEP FLEXIBLE CONDUIT LENGTH TO A MINIMUM (36" MAXIMUM). VERIFY AND CONFIRM THE ACTUAL MOUNTING LOCATION ON THE HVAC UNIT FOR THE DISCONNECT. ALL SERVICING OUTLETS ON THE ROOF OR OUTDOORS FOR HVAC UNITS SHALL BE WP/GFI.
- THE RATING OF THE DISCONNECT SHALL BE SUCH AS TO ENABLE THE LARGEST FUSE SIZE ON THE UNIT NAMEPLATE TO BE INSTALLED IN THE DISCONNECT. PROVIDE FUSES OF THIS RATING.
- FURNISH AND INSTALL ALL LINE VOLTAGE CONDUITS AND LINE VOLTAGE WIRING (LOW VOLTAGE CONDUITS AND WIRING BY MECHANICAL) TO HVAC EQUIPMENT AND ASSOCIATED CONTROLS AND DEVICES AS SHOWN ON THE ELECTRICAL AND MECHANICAL PLANS, UNLESS OTHERWISE NOTED.
- RUN ALL CONDUITS FOR ROOFTOP EQUIPMENT WITHIN CEILING SPACE BELOW. SURFACE CONDUIT RUNS ON THE ROOF ARE NOT PERMITTED ON THIS PROJECT.
- DISCONNECTS SHALL NOT BE USED AS THROUGH RACEWAYS FOR WIRING NOT DIRECTLY SERVING THE DISCONNECTS. SERVICING OUTLETS SHALL NOT BE MOUNTED ON DISCONNECTS.

#### 260500.02. SUBMITALLS:

- PROVIDE THE FOLOWING SUBMITTALS FOR REVIEW AND APPROVAL. EACH SHALL BE SUBMITTED SEPARATELY TO AVOID DELAYS IN THE REVIEW OF ONE SUBMITTAL IN HOLDING UP REVIEW OF THE
- LIGHTING CONTROLS
- BASIC ELECTRICAL MATERIALS c. LIGHT FIXTURES

#### 260500.03. WORKING CLEARANCES FOR ELECTRICAL SWITCHGEAR:

- PROVIDE WORKING SPACES FOR ELECTRICAL PANELS AND SWITCHGEAR TO COMPLY WITH CEC
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES INVOLVED TO ENSURE THE CLEARANCES REQUIRED BY ITEM 1 ABOVE ARE PROVIDED.

#### 260526. GROUNDING:

- GROUND AND BOND ALL EQUIPMENT AS REQUIRED BY GOVERNING CODES AND SPECIFICALLY INCLUDING SWITCHBOARD, PANELBOARDS, MOTOR CASES, METAL PIPING SYSTEMS, STRUCTURAL STEEL,
- PROVIDE GROUND WIRES IN ALL FEEDERS AND BRANCH CIRCUITS, SIZE PER CEC TABLE 250.122
- ALL GROUND WIRES SHALL BE INSULATED GROUND WIRES.

#### 260529. INSTALLATION OF SUPPORT SYSTEMS

- RACEWAYS, CABLE ASSEMBLIES, BOXES, CABINETS, AND FITTINGS SHALL BE SECURELY FASTENED IN PLACE PER CEC ARTICLE 300.11. SUPPORT WIRES THAT DO NOT PROVIDE SECURE SUPPORT SHALL NOT BE PERMITTED AS THE SOLE SUPPORT. SUPPORT WIRES AND ASSOCIATED FITTINGS THAT PROVIDE SECURE SUPPORT AND THAT ARE INSTALLED IN ADDITION TO THE CEILING GRID SUPPORT WIRES SHALL BE PERMITTED AS THE SOLE SUPPORT. WHERE INDEPENDENT SUPPORT WIRE ARE USED, THEY SHALL BE SECURED AT BOTH ENDS. CABLES AND RACEWAYS SHALL NOT BE SUPPORTED BY CEILING GRIDS.
- FURNISH ALL NECESSARY FOUNDATIONS, SUPPORTS, BACKING, ETC., FOR ALL ELECTRICAL ENCLOSURES, CONDUITS AND EQUIPMENT.
- 3. ATTACH ALL BOXES, CABINETS, ETC. TO WOOD WITH WOOD OR LAG SCREWS, TO METAL WITH MACHINE SCREWS OR BOLTS AND TO CONCRETE WITH EXPANSION ANCHORS AND MACHINE SCREWS OR BOLTS.
- RIGID STEEL CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT GREATER THAN 10 FT, ELECTRICAL METALLIC TUBING AT INTERVALS NOT GREATER THAN 5 FT.
- A SUPPORT SHALL BE PROVIDED NOT MORE THAN 3 FT. FROM ANY CHANGE IN DIRECTION. ADDITIONAL SUPPORTS TO THOSE SPECIFIED ABOVE SHALL BE INSTALLED WHERE REQUIRED TO SUIT JOB CONDITIONS AND TO PROVIDE A SECURE INSTALLATION. ALL HANGERS AND SUPPORTS SHALL BE THE PRODUCTS OF ONE MANUFACTURER.

#### 260533. PULL OR JUNCTION BOXES:

- INSTALL WHERE INDICATED, OR AS REQUIRED BY CODE, PULL BOXES AND JUNCTION BOXES OF SUFFICIENT SIZE AND CAPACITY TO FACILITATE ALL WIRING. BOXES SHALL BE SIZED TO PROPERLY ACCOMMODATE ALL CONDUCTORS ENTERING SAME.
- BOXES SHALL BE OF THE SHAPE AND SIZE BEST SUITED FOR THE PARTICULAR APPLICATION AND SHALL BE SUPPORTED DIRECTLY TO STRUCTURAL MEMBERS, FRAMING OR BLOCKING BY MEANS OF SCREWS, ANCHORS, BOLTS OR EMBEDDED IN MASONRY.
- SWITCH AND RECEPTACLE BOX SHALL BE ONE PIECE DRAWN OR STAMPED STEEL BOXES MINIMUM SIZE SHALL BE FOUR INCHES (4") SQARE, BOXES SHALL BE FITTED WITH FLUSH DEVICE COVERS, PLASTER RINGS, OR TILE SWITCH RINGS IN MASONRY IN AREA WHERE EXPOSED WIRING IS PERMISSIBLE, BOXES SHALL BEFITTED WITH SURFACE TYPE COVERS.

- LIGHTING OUTLETS SHALL BE FOUR INCHES (4")OCTAGON, MINIMUM
- VOICE/DATA OUTLET BOXES SHALL BE 4\_11/16"SQ.x2\_1/8" DEEP MINIMUM, FITTED WITH PLASTER RINGS
- BOXES FOR SPECIAL EQUIPMENT SHALL BE SUITABLE FOR THE PARTICULAR EQUIPMENT.
- BOXES SHALL BE LOCATED AND PLACED ACCORDING TO ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.

#### 260550. WIRING METHODS: LINE VOLTAGE SYSTEMS (120V AND ABOVE):

- AND CEILINGS WHERE FEASIBLE. ALL CONDUITS INSTALLED SURFACE ON WALL SHALL BE PAINTED TO MATCH WALL FINISH. MOUNT EXTERIOR CONDUITS ON WALL ON GALVANIZED UNISTRUTS. ALL SURFACE FIRE-RESISTIVE SEPARATION. CONDUIT INSTALLATION/ RUNS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
- ALL CONDUITS RUN WITHIN INTERIOR FINISHED SPACES SUCH AS OFFICES, BREAKROOM, RESTROOM ETC. SHALL BE RUN CONCEALED.
- 3. ALL CONDUITS RUN IN DEDICATED ELECTRICAL AND MECHANICAL ROOMS SHALL BE RUN EXPOSED.
- 4. MINIMUM CONDUIT SIZE SHALL BE 1/2" ABOVE GRADE AND 3/4" UNDERGROUND.
- MINIMUM ACCEPTABLE CONDUITS ARE:
- GALVANIZED RIGID STEEL FOR USE ON: (1) EXTERIOR WALL SURFACES.
- GALVANISED STEEL EMT FOR USE:
- (1) CONCEALED IN INDOOR FINISHED SPACES. (2) EXPOSED INSIDE ELECTRICAL & MECHANICAL ROOMS.
- LIQUID TIGHT STEEL FLEX: (1) FOR FINAL CONNECTION TO OUTDOOR EQUIPMENT. LENGTH SHALL NOT EXCEED 36".
- FLEXIBLE STEEL CONDUIT:
- (1) FOR INDOOR FINAL CONNECTION TO RECESSED LIGHT FIXTURES. LENGTH SHALL NOT EXCEED 72". (2) FOR INDOOR FINAL CONNECTION TO HVAC EQUIPMENT. LENGTH SHALL NOT EXCEED 36".
- E. "PVC" SCHEDULE 40: (1) FOR CONDUITS RUN UNDERGROUND AND FOR UNDER BUILDING SLAB. (2) CONDUIT STUBUPS THROUGH THE FLOOR OR GRADE SHALL BE IN PVC WRAPPED RIGID STEEL CONDUIT. PVC WRAPPING SHALL EXTEND 6" ABOVE FINISHED FLOOR OR GRADE.
- F. ALUMINUM CONDUITS, IMC CONDUITS OR ALUMINUM FITTINGS ARE NOT APPROVED FOR USE ON C.E.C. 110.16. THIS PROJECT.
- G. ALL CONDUIT FITTINGS SHALL BE MALLEABLE IRON/STEEL.

(3) NOT PERMITTED FOR WIRING ABOVE FINISHED FLOOR INSIDE BUILDINGS

- H. COUPLING:
- (1) EMT COUPLING APPLETON TWC-CS SERIES (2) EMT CONNECTOR - APPLETON TW-CSI SERIES
- (3) FLEX CONDUIT CONNECTOR T&B "TITE BITE", INSULATED (4) LIQUID TIGHT FLEX CONDUIT CONNECTOR - APPLETON "STB" SERIES UP TO 2", "ST" SERIES OVER 2".
- RIGID STEEL CONDUIT CONNECTED TO BOXES AND CABINETS SHALL BE FITTED WITH TWO LOCKNUTS AND INSULATING BUSHING, OA "A" SERIES. PROVIDE GROUNDING BUSHING OZ "BL" SERIES
- WHERE LOCKNUTS AND BUSHING IS NOT USED. CONDUITS CONNECTED TO BOXES EXPOSED TO WEATHER/MOISTURE SHALL BE FITTED WITH WATERTIGHT SEALING HUBS OF STEEL OR MALLEABLE IRON WITH SEALING RING AND INSULATED THREAT, T & B 370 SERIES.
- TYPE NM AND NMC CABLES SHALL NOT BE USED ON THIS PROJECT.
- SUCH CONDUITS. MC CABLES MAY BE UTILIZED AS DESCRIBED BELOW, WITH RESTRICTIONS NOTED.
- (1) PRIOR APPROVAL OF OWNER/ARCHITECT REQUIRED.
- (2) ALL SUPPORTS, ATTACHMENTS SPACING SHALL BE PER CEC 330.30.
- (3) FOR MULTI-WIRE BRANCH CIRCUITS SUCH CABLES SHALL HAVE MULTIPLE NEUTRALS, ONE FOR EACH CIRCUIT.
- 6. CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE THHN/THWN UNLESS OTHERWISE NOTED TO OWNER PRIOR TO RELEASE OF FINAL PAYMENT. OR REQUIRED BY CODE.
- ALL DEVICES, CONDUITS, RACEWAYS AND CABLES SHOWN ARE NEW TO BE PROVIDED UNLESS
- 8. FLASH AND COUNTERFLASH ALL ITEMS PASSING THROUGH THE ROOF.
- THE OWNER RESERVES THE RIGHT TO RELOCATE ALL LIGHTING, OUTLETS AND SWITCHES BEFORE THEY ARE ROUGHED IN AT NO EXTRA COST.

#### 260551. INSTALLATION OF RACEWAYS AND FITTINGS

- CONCEAL RACEWAYS WITHIN CEILINGS, WALLS, AND FLOORS EXCEPT WHERE EXPOSED RACEWAYS ARE SPECIFICALLY PERMITTED.
- WHERE CONDUIT IS ALLOWED TO BE EXPOSED, INSTALL THE CONDUIT PARALLEL WITH OR AT RIGHT ANGLES TO STRUCTURAL MEMBERS, WALLS, AND LINES OF THE BUILDING.
- INSTALL WHERE INDICATED, OR AS REQUIRED BY CODE, PULLBOXES AND JUNCTION BOXES OF SUFFICIENT SIZE TO FACILITATE WIRING. BOXES SHALL BE SIZED TO PROPERLY ACCOMMODATE ALL CONDUCTORS ENTERING SAME.
- DO NOT INSTALL CONDUIT OR TUBING WHICH HAS BEEN CRUSHED OR DEFORMED.
- RUN CONDUCTORS OF SAME CIRCUIT IN SAME CONDUIT. RUN CONDUCTORS OF DIFFERENT **VOLTAGE SYSTEMS IN SEPARATE CONDUITS.**
- INSTALL NO CONDUCTORS UNTIL WORK WHICH MIGHT CAUSE DAMAGE TO SUCH CONDUCTORS OR THE CONDUIT HAS BEEN COMPLETED.
- KEEP ALL CONDUITS AT LEAST SIX INCHES AWAY FROM THE COVERING ON HOT WATER OR STEAM PIPES.
- CAP RACEWAY ENDS DURING CONSTRUCTION. CLEAN OR REPLACE CONDUITS IN WHICH WATER OR FOREIGN MATTER HAVE ACCUMULATED, TO THE SATISFACTION OF THE ARCHITECT.
- CONDUITS SHALL BE SUPPORTED WITH STRAPS, WITH GALVANIZED MALLEABLE SPLIT RING AND ROD FOR INDIVIDUAL RUNS OR WITH KINDORF OR UNISTRUT CHANNEL SUPPORTS FOR MULTIPLE RUNS. DISTANCE BETWEEN SUPPORTS SHALL NOT EXCEED 10 FEET. CONDUITS SHALL BE SUPPORTED INDEPENDENTLY OF ONE ANOTHER.
- 10. CONDUITS CONNECTED TO BOXES AND CABINETS SHALL BE FITTED WITH TWO LOCKNUTS AND INSULATED BUSHING, OA "A" SERIES.
- CONDUITS NOT CONNECTED WITH LOCKNUTS AND BUSHINGS SHALL BE FITTED WITH GROUNDING BUSHING, OZ "BL" SERIES, U. L. APPROVED AND BONDED.
- CONDUIT STRAPS FOR INDIVIDUAL RUNS SHALL BE SECURED BY TOGGLE BOLTS ON HOLLOW MASONRY, EXPANSION ANCHORS ON SOLID CONCRETE OR MASONRY, MACHINE SCREWS OR BOLTS ON 1. METAL SURFACES AND WOOD SCREWS ON WOOD CONSTRUCTION. THE USE OF NAILS TO ANCHOR STRAPS ON WOOD CONSTRUCTION IS PROHIBITED. STRAPS SHALL BE TWO HOLE MALLEABLE IRON OR SNAP-TYPE STEEL WITH RIBBED BACK, GALVANIZED OR CADMIUM PLATED. THE USE
- 13. PLACEMENT OF ALL BOXES SHALL BE GOVERNED BY APPLICABLE ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.
- 14. CONDUIT FITTINGS: EXCEPT WHERE OTHERWISE NOTED, CONDUIT FITTINGS SHALL BE APPLETON OR APPROVED EQUAL. UNILETS SHALL BE MALLEABLE IRON AND FITTED WITH COVERS AND

TELEPHONE AND SIGNAL CONDUIT BENDS WHERE REQUIRED SHALL HAVE A RADIUS OF TEN

TIMES THE CONDUIT TRADE SIZE. 16. PROVIDE PULL TAPE IN ALL EMPTY CONDUITS.

#### 260551.01. PENETRATIONS OF FIRE-RATED ASSEMBLIES:

- PENETRATIONS OF PIPES, CONDUITS, ETC., IN WALLS AND CEILINGS REQUIRING PROTECTED OPENINGS SHALL BE FIRESTOPPED IN ACCORDANCE WITH CBC SECTION 714. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY AUTHORITY HAVING JURISDICTION.
- THROUGH PENETRATIONS AND MEMBRANE PENETRATIONS OF FIRE-RESISTANCE RATED WALLS SHALL COMPLY WITH CBC 714.3.
- PENETRATIONS OF FIRE RESISTANCE RATED FLOOR, FLOOR/CEILING ASSEMBLY OR THE CEILING MEMBRANCE OF A ROOF/CEILING ASSEMBLY SHALL COMPLY WITH CBC 714.4.
- ALL WIRING SHALL BE INSTALLED IN CONDUITS. CONDUITS SHALL BE RUN CONCEALED IN WALLS 4. ALL ELECTRICAL BOXES INSTALLED IN A FIRE-RESISTIVE SEPARATION SHALL BE AN "APPROVED BOX". AN "APPROVED BOX" IS AN ALL STEEL ELECTRICAL BOX WHICH IS UL LISTED FOR INSTALLATION IN A
  - ELECTRICAL BOXES, INCLUDING BOXES FOR RECEPTACLES, IN RATED WALLS SHALL HAVE A MINIMUM OF 24" HORIZONTAL SEPARATION FROM THOSE IN ADJACENT ROOMS AT THE OTHER SIDE OF WALL IN ACCORDANCE WITH C.B.C. SECTION 714.3.2. IN CASE SUCH HORIZONTAL SEPARATION IS NOT POSSIBLE EACH BOX SHALL BE PROTECTED BY A LISTED FIRE-STOPPING PUTTY PAD AND BOX SHALL BE PROVIDED WITH A METAL COVERPLATE AND NOT PLASTIC OR NYLON.
  - 6. WHERE CONDUIT SLEEVE IS USED FOR THE PROTECTION OF WIRING PENETRATIONS, UL LISTED FIRESTOP COMPOUND SHALL BE USED TO SEAL THE OPENING AROUND THE CONDUIT AND TO SEAL THE CONDUIT ENDS AFTER THE CABLE IS INSTALLED.
  - WHERE A CABLE OR A GROUP OF CABLES PENETRATES MEMBRANE OR CONTINUOUS BLOCKING, UL LISTED FIRESTOP COMPOUND SHALL BE USED TO SEAL THE OPENING AROUND THE CABLES.
  - SEE ARCHITECTURAL PLANS FOR LOCATION OF FIRE-RATED WALLS AND CEILING.

#### 260553. NAMEPLATES & IDENTIFICATION:

- INSTALL ENGRAVED NAMEPLATES FOR EACH PANELBOARD, CABINET, DISCONNECT, ETC. NAMEPLATES SHALL BE SECURELY FASTENED TO THE EQUIPMENT WITH #4 PHILLIPS ROUND HEAD CADMIUM PLATED SELF-TAPPING SCREWS, BRASS BOLT.
- PROVIDE CIRCUIT LABEL INDICATING PANEL AND CIRCUIT NUMBER ON EACH COVERPLATE FOR EACH RECEPTACLE AND LIGHT SWITCH, MOTION SENSOR SWITCH. SUCH LABEL SHALL BE SELF ADHESIVE WHITE TAPE WITH BLACK LETTERS MADE ON A LABEL MAKER.
- ALL CONTROLLED RECEPTACLES SHALL BE PERMANENTLY MARKED TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES PER CALIFORNIA ENERGY CODE SECTION 130.5(d)(3).

#### 260573. ARC FLASH HAZARDS:

PROVIDE WARNING LABEL ON ELECTRICAL EQUIPMENT OF POSSIBLE ARC FLASH HAZARDS PER

#### 260800. TESTING:

- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE FREE FROM SHORT CIRCUITS AND IMPROPER GROUNDS. TEST ALL WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDS BEFORE ANY FIXTURES OR EQUIPMENT ARE CONNECTED AND WHERE SUCH TESTS INDICATE FAULTY INSULATION OR OTHER DEFECTS, THEY SHALL BE LOCATED, REPAIRED AND RETESTED AT THE CONTRACTOR'S EXPENSE. PROVIDE ALL INSTRUMENTS TO MAKE SUCH TESTS.
- DEMONSTRATE TO THE OWNER AND THE ARCHITECT, THAT THE ENTIRE INSTALLATION IS COMPLETE, IN PROPER OPERATING CONDITION AND THAT THE CONTRACT HAS BEEN PROPERLY AND

#### 260811. OPERATIONS AND MAINTENANCE (O&M) MANUALS:

- PROVIDE AS-BUILT DRAWINGS.
- UPON COMPLETION OF WORK COVERED BY THIS CONTRACT, PROVIDE AS-BUILT PLANS UPON K. THE PROJECT DRAWINGS ARE LAID OUT USING SOLID CONDUITS AND CABLES PULLED THROUGH WHICH SHALL BE SHOWN ALL CHANGES OF FEEDERS, PANELS, CIRCUITS, LIGHT FIXTURES, ETC., FOR THIS PROJECT AND INSTALLED UNDER THIS CONTRACT, WHICH ARE NOT IN ACCORD WITH THESE DRAWINGS
  - ALL SYMBOLS AND DESIGNATIONS USED IN PREPARING "AS-BUILT" DRAWINGS SHALL MATCH THOSE USED IN CONTRACT DRAWINGS.
  - PROVIDE OF OPERATION AND MAINTENANCE MANUAL FOR POWER, AND LIGHTING SYSTEMS.
  - SCAN BOTH "AS-BUILT" PLANS AND O&M MANUAL ON TO A CD AND PROVIDE (3) COPIES OF THE CD

#### 260943. INTERIOR LIGHTING CONTROL SYSTEM:

262417. PANELBOARDS:

COPPER BUSSING.

- PROVIDE A COMPLETE AND FULLY OPERATIONAL INTERIOR LIGHTING CONTROL SYSTEM FOR INTERIOR LIGHTING AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS.
- THE COMPLETE SYSTEM, INCLUDING ALL DEVICES SHALL BE IN COMPLIANCE WITH THE 2022 CALIFORNIA ENERGY CODE. THE COMPLETE SYSTEM SHALL BE AS MANUFACTURED BY NLIGHT, WATTSTOPPER, OR
- GREENGATE CONSISTING OF:
- A. LUMINAIRES WITH 0-10V DIMMING LED DRIVERS. WALL DIMMER SWITCHES THAT COMMUNICATE THROUGH ROOM CONTROLLERS.
- OCCUPANCY SENSORS THAT COMMUNICATE THROUGH ROOM CONTROLLERS.
- WHERE LIGHT FIXTURES FALL UNDER THE PRIMARY AND SECONDARY DAYLIT ZONES AS DEFINED BY SECTION 130.1(d) AND THE TOTAL INSTALLED GENERAL LIGHTING POWER IN THE PRIMARY DAYLIT ZONE IS NOT LESS THAN 120W (EXCEPTION #1 TO SECTION 130.1(d)2) SUCH LIGHT FIXTURES SHALL BE PROVIDED WITH AUTOMATIC DAYLIGHITNG CONTROLS IN ACCORDANCE WITH SECTION 130.1(d)(2)(D).
- TIME BASED GATEWAY DEVICE THAT PROVIDES TIME-BASED SIGNAL TO ROOM CONTROLLERS FOR ALL SPACES THAT CONTROLLED BY MOTION SENSORS TO AUTOMATICALLY SHUT-OFF LIGHTS AT THE END
- ALL SYSTEM COMPONENTS SHALL BE UL LISTED. ALL SYSTEM CONTROL COMPONENTS SHALL BE APPROVED BY THE CALIFORNIA ENERGY COMMISSION.
- ALL EQUIPMENT AND ITEMS OF CONTROL SHALL BE INSTALLED AND WIRED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. PROVIDE WALL OCCUPANCY SENSOR LIGHT SWITCHES WHERE SO SHOWN ON PLANS. SUCH

OCCUPANCY SENSOR SWITCHES SHALL BE SINGLE LEVEL AUTOMATIC "ON"/AUTOMATIC "OFF" AS SHOWN

- ON PLANS. SENSORS SHALL COMPLY WITH SECTION 110.9 OF THE ENERGY CODE. THE SYSTEM SHALL AUTOMATICALLY SWITCH OFF ALL LIGHTS WHEN CONTROLLED SPACE BECOMES UNOCCUPIED AND SWITCH ON LIGHTS WHEN THE SPACE IS RE-OCCUPIED. ALL SENSORS SHALL BE PROVIDED WITH USER ADJUSTABLE TIME DELAY (15 SEC. TO 20 MINUTES) FOR "SWITCH-OFF"
- FUNCTION AND ADJUSTABLE SENSITIVITY. 8. LOW VOLTAGE WIRING IS NOT REQUIRED TO BE IN CONDUIT EXCEPT IN HARDLID CEILINGS WHERE SUCH WIRES SHALL BE RUN IN CONDUIT.

#### UNITS SHALL BE FLUSH OR SURFACE MOUNTED AS INDICATED ON THE PANEL SCHEDULE, WITH THE NUMBER AND SIZE OF BREAKERS AS INDICATED ON THE PANEL SCHEDULE. SINGLE POLE, TWO POLE. AND THREE POLE BREAKERS SHALL BE BOLT-ON TYPE. MULTIPLE POLE BREAKERS SHALL HAVE COMMON

INTERNAL TRIP CONNECTION. SINGLE POLE BREAKERS SHALL NOT BE TIED AT HANDLES TO FORM

MULTIPLE POLE BREAKERS. THE PANEL DOORS SHALL BE DOOR-IN-DOOR CONSTRUCTION AND SHALL

HAVE FLUSH TYPE LOCKS, ALL LOCKS SHALL BE KEYED ALIKE AND HAVE TYPEWRITTEN DIRECTORIES INDICATING FIXTURES, EQUIPMENT, OR OUTLETS SERVICE BY EACH BREAKER. PANELS SHALL HAVE

#### MEP COMPONENT ANCHORAGE

#### APPLICABLE CODE: 2022 CBC

#### MEP COMPONENT 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:

- 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 ELECTRICALCONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES
- HAVING A FLEXIBLE CABLE. 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:

- 1. 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. 2. 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.

#### PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A REAPPROVED INSTALLATION GUIDE (E.G., HAI OPM FOR 2022 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP MD PP E OPTION 2: SHALL COMPLY WITH HCAI PREAPPROVAL (OPM #) #

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹



08/12/2024

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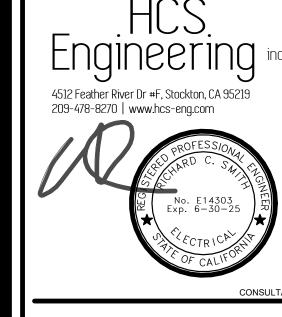
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REVISIONS

STOCKTON UNIFIED

PROJECT NO: 2023-16

ISSUE SET: DSA SUBMITTAL

ISSUE DATE: 07/17/2024 DRAWN BY: Author

**GENERAL NOTES** 

#### 262726. WIRING DEVICES:

DUPLEX CONV. OUTLET, 20A 5362

DUPLEX CONV. GFI OUTLET, 15A 6599

DUPLEX CONV. GFI OUTLET, 20A 6899

UNITS SHALL BE EQUAL TO THE DEVICES SET FORTH HEREIN, IN STANDARD COLORS (BROWN, WHITE, GREY, BEIGE OR IVORY) AS SELECTED BY THE ARCHITECT: LEVITON # HUBBELL # P & S # WIRING DEVICES HBL1201 PS15AC1 SINGLE POLE SWITCH, 15A DOUBLE POLE SWITCH, 15A HBL1202 THREE WAY SWITCH, 15A HBL1203 PS15AC3 DUPLEX CONV. OUTLET, 15A HBL5262

HBL5362

GF15 2095L

GF15

THE CONTROLLED OUTLET SHALL HAVE PERMANENT UNIQUE MARKING PROVIDED BY THE MANUFACTURER OF THE RECEPTACLE.

THE MOUNTING HEIGHTS OF LIGHT SWITCHES, RECEPTACLES AND CONTROLS SHALL BE MAXIMUM 48" MEASURED TO THE TOP OF BOXES OR MINIMUM 16" TO THE BOTTOM OF BOXES. SEE "LEGEND" FOR ACTUAL MOUNTING HEIGHTS OF DEVICES. VERIFY HEIGHT WITH ARCHITECT WHERE AN ACTUAL MOUNTING HEIGHT IS NOT CALLED OUT ON PLANS.

SINGLE RECEPTACLE SERVED BY INDIVIDUAL 20A BRANCH CIRCUIT DEDICATED TO THE OUTLET SHALL BE 20A RATED PER CEC 210.21(B)(1). ALL OTHERS SHALL BE 15A RATED.

ALL 15A AND 20A, 120V OUTLETS IN KITCHEN SHALL BE GFCI PER CEC 210.8(B)(2). LOCATE SUCH OUTLETS SO THAT THEY ARE ACCESSIBLE AFTER APPLIANCES THAT ARE PLUGGED INTO THE OUTLETS ARE IN PLACE.

ALL RECEPTACLES INSTALLED OUTDOORS SHALL BE WEATHERPROOF AND HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.

120V, 15A AND 20A RECEPTACLES ARE NOW SUBJECT TO CALIFORNIA ENERGY CODE SECTION 130.5(d). ALL SUCH OUTLETS SHALL BE CONSIDERED AS UNCONTROLLED EXCEPT THOSE WHICH ARE SPECIFICALLY CALLED OUT ON THE PLANS AS CONTROLLED. SEE "CONTROLLED 120V RECEPTACLES" PARAGRAPH BELOW.

#### 262726.01. CONTROLLED 120V RECEPTACLES:

CALIFORNIA ENERGY CODE, SECTION 130.5(d) NOW REQUIRES THAT BOTH CONTROLLED AND UNCONTROLLED 120V OUTLETS FOR PLUG LOADS BE PROVIDED IN THE FOLLOWING LOCATIONS:

- EACH PRIVATE OFFICE. EACH OPEN OFFICE AREA.
- RECEPTION LOBBY.
- CONFERENCE ROOM KITCHENETTE AND BREAK ROOM IN OFFICE SPACES.

CIRCUITS SERVING CONTROLLED RECEPTACLES SHALL BE AUTOMATICALLY BE SHUT-OFF IN ACCORDANCE WITH SECTION 130.1(c)1.

PROVIDE A SPLITWIRED DUPLEX RECEPTACLE WITH ONE HALF CONTROLLED AND ONE HALF UNCONTROLLED DUPLEX RECEPTACLE AS SHOWN ON THE PLANS. THIS RECEPTACLE SHALL BE SPLIT DUPLEX OUTLET AS MANUFACTURED BY SAME MANUFACTURER AS THE OCCUPANCY LIGHTING SENSOR SYSTEM WITH A 15-AMP RELAY-SWITCHED OUTLET AND A 15-AMP CONSTANT POWER

#### 262726.02. DEVICE PLATES:

ALL DEVICE PLATES FOR INDOOR USE SHALL BE STAINLESS STEEL

ALL DEVICE BOXES WHICH ARE INSTALLED IN FIRE RATED WALL ASSEMBLY AND IS PROVIDED WITH A FIRE-STOPPING PUTTY PAD SHALL HAVE A BRUSHED STAINLESS STEEL COVERPLATE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PUTTY PAD.

DEVICE COVERS FOR SURFACE MOUNTED BOXES SHALL BE 1/2" RAISED STEEL PLATES.

DEVICE COVERS FOR DEVICES LOCATED IN DAMP LOCATIONS SHALL COMPLY WITH CEC 406.9(A).

DEVICE COVERS FOR DEVICES LOCATED IN WET LOCATIONS SHALL COMPLY WITH CEC 406.9(B).

ALL LUMINAIRES SHALL BE CERTIFIED BY THE MANUFACTURER TO THE CALIFORNIA ENERGY COMMISSION:

ALL LUMINAIRES SPECIFIED ON THIS PROJECT SHALL BE AS NOTED IN THE "LIGHT FIXTURE SCHEDULE" ON THESE PLANS. NO SUBSTITUTES ARE PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

ALL INTERIOR LUMINAIRES SHALL BE PROVIDES WITH 0-10V DIMMING LED DRIVERS.

ALL EXTERIOR LUMINAIRES SHALL BE PROVIDED WITH 0-10V DIMMING LED DRIVERS WITH INTEGRAL MOTION SENSORS WHERE SO NOTED.

#### 265300. EXIT AND MEANS OF EGRESS EMERGENCY LIGHTING:

PROVIDE EXIT SIGNS IN ACCORDANCE WITH CBC SECTION 1011.1. PROVIDE MEANS OF EGRESS ILLUMINATION IN ACCORDANCE WITH CBC SECTION 1006. PROVIDE FLOOR-LEVEL EXIT SIGNS PER CBC 1011.7 IF REQUIRED

ELECTRICAL CONTRACTOR SHALL RE-VERIFY PLACEMENT OF ALL EXIT SIGNS AS TO ENSURE THAT THEY ARE CLEARLY VISIBLE FROM ANY DIRECTION OF APPROACH WITHIN THE PATH OF EXIT TRAVEL TO AND WITHIN EXITS INSIDE THE BUILDING. THIS VERIFICATION SHALL BE CARRIED OUT AT ROUGHIN STAGE. THEY SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL. NO POINT IN THE EXIT PATH SHALL BE MORE THAN 100 FT. FROM THE NEAREST VISIBLE SIGN. ALL IN ACCORDANCE WITH CBC SECTION 1011.1. RELOCATE AND/OR ADD EXIT SIGNS AS NECESSARY TO ACHIEVE THIS. PROVIDE PENDANTS TO MOUNT SIGNS AS NECESSARY TO ACHIEVE THIS.

THE FINAL NUMBER AND LOCATION OF EXIT SIGNS SHALL BE DETERMINED IN THE FIELD BY THE FIRE MARSHALL AND BUILDING INSPECTOR.

INDIVIDUAL UNIT EQUIPMENT FOR EMERGENCY ILLUMINATION SHALL COMPLY WITH CEC SECTION 700.12(F). THE BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.

ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL BE PROVIDED WITH AN UNSWITCHED HOT

ALL EMERGENCY LIGHT FIXTURES WITH INTEGRAL BATTERY BALLASTS SHALL BE SWITCHED AS SHOWN AND SHALL COME ON IN EMERGENCY POWER-OFF MODE UPON POWER FAILURE. TO THIS EFFECT PROVIDE AN UNSWITCHED POWER WIRE TO EACH SUCH FIXTURE FROM THE SAME CIRCUIT AS THAT FEEDING THE LIGHT FIXTURE.

#### 283100. FIRE ALARM SYSTEM

#### A. GENERAL REQUIREMENTS:

1. THE CONTRACTOR SHALL UPGRADE THE FIRE ALARM CONTROL PANEL CPU AND ADD VOICE EVAC AMPLIFIER. CONNECT DEVICES IN REMODEL AREA AND IN OFFICE PER PLANS.

A. THE FIRE ALARM SYSTEM SHALL CONFORM TO STATE FIRE CODES. ALL EQUIPMENT SHALL HAVE BEEN APPROVED AND LISTED BY THE STATE FIRE MARSHAL. B. THE FIRE ALARM SYSTEM EQUIPMENT SHALL BE U.L. LISTED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL'S OFFICE.

C. ALL WIRING SHALL BE IN RACEWAYS. MINIMUM SIZE OF CONDUIT SHALL BE 1/2" INDOORS. ALL CONDUITS INSTALLED UNDERGROUND AND ON EXTERIOR OF BUILDING EXTERIOR WALLS SHALL HAVE WATER TIGHT FITTINGS.

#### B. FIELD INVESTIGATION;

1. THE ELECTRICAL CONTRACTOR AND HIS FIRE ALARM CONTRACTOR SHALL CARRY OUT AND INCLUDE ALL INVESTIGATIONS REQUIRED AT THE SITE FOR THE EXISTING SYSTEM PRIOR TO BID TIME AND SHALL INCLUDE IN HIS/HER BID ALL COMPONENTS, DEVICES, ETC., REQUIRED TO PRODUCE THE INTENDED RESULTS. SUBMISSION OF A BID BY THE ELECTRICAL CONTRACTOR SHALL BE CONSIDERED AS HIM/HER HAVING COMPLIED WITH THIS REQUIREMENT AND NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO THE CONTRACTOR FOR FAILING TO CARRY OUT A THOROUGH INVESTIGATION OF THE EXISTING SYSTEM.

2. THE FIRE ALARM SYSTEM CONTRACTOR SHALL VERIFY THE CURRENTNESS AND COMPATIBILITY OF THE PRODUCTS AND COMPONENT CATALOG NUMBERS CALLED OUT ON THE PLANS, TOGETHER WITH THE FACT THAT THEY ARE CONSISTENT WITH THE WIRING INDICATED ON THE PLANS, TO PRODUCE A FULLY FUNCTIONAL FIRE ALARM SYSTEM AS INTENDED. HE SHALL USE THE SERVICES OF AN AUTHORIZED, TRAINED REPRESENTATIVE OF THE SILENT KNIGHT COMPANY TO EVALUATE THIS. IN CASE OF ANY DISCREPANCY, HE SHALL INCLUDE IN HIS BID ALL REQUIRED MODIFICATIONS. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO THE ELECTRICAL AND FIRE ALARM CONTRACTOR AFTER THE BID FOR FAILING TO CARRYOUT THIS EXCERCISE PRIOR TO BID TIME.

#### C. EQUIPMENT: SCOPE OF WORK/INSTALLATION

1. PROVIDE HORN, STROBES AND HORN/STROBES

PROVIDE SMOKE DETECTORS AND ATTIC HEAT DETECTORS.

3. PROVIDE ALL ASSOCIATED WIRING, MODULES, ACCESSORIES, ETC., AS REQUIRED TO MAKE THIS A COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM.

4. PROVIDE ALL PROGRAMING AND TESTING NECESSARY FOR THE SYSTEM. THIS WORK SHALL BE CARRIED OUT BY AUTHORIZED, SKILLED REPRESENTATIVE OF GAMEWELL.

#### D. WIRING:

1. SEE "FIRE ALARM SYSTEM WIRING SCHEDULE" ON THIS SHEET.

1. ALL AUDIBLE DEVICES SHALL PRODUCE THE SAME BASIC SOUND AND PATTERN AUDIBLE DEVICES SHALL BE AT LEAST 15dBA ABOVE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75dBA AT 10 FT. OR MORE THAN 110dBA IN TOTAL, THROUGHOUT.

1. VISUAL DEVICES SHALL NOT EXCEED TWO FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN ONE FLASH EVERY SECOND.

#### G. INITIATION SYSTEM:

1. THE SYSTEM FOR THE BUILDINGS BEING ADDED IS AUTOMATIC.

#### H. OFF-SITE MONITORING:

 AUTOMATIC FIRE ALARM SYSTEM MONITORED AND SHALL TRANSMIT THE ALARM. SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE & PROPRIETARY) BY THE UNDERWRITERS LABORATORY INC. (UL) OR OTHER APPROVED LISTING AND TESTING LABORATORY OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD, FM 3011. (CBC 907.6.6.3)

#### I. PENETRATIONS:

1. PENETRATIONS OF FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 7, TITLE 24.

1. SUBMITTALS ARE NOT REQUIRED. SYSTEM COMPONENTS SHALL BE AS SPECIFIED. PLANS AND SYSTEM COMPONENTS HAVE ALREADY BEEN PRE APPROVED BY D.S.A.

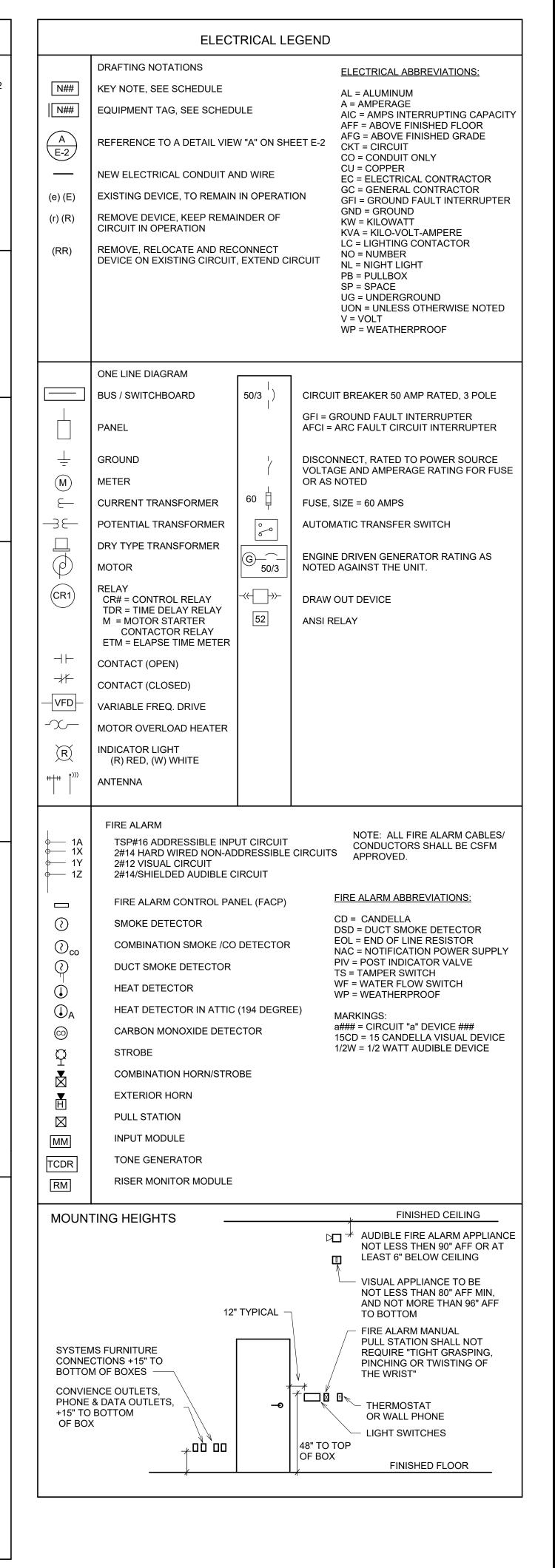
2. PROVIDE 3 COPIES OF A CERTIFICATE TO THE ARCHITECT THAT THE FIRE ALARM SYSTEM COMPONENTS AND SYSTEM INSTALLED IS IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SUCH A CERTIFICATE SHALL BE SIGNED BY THE D.S.A. INSPECTOR, THE OWNER'S REPRESENTATIVE, AND THE INSTALLING CONTRACTOR. SUCH A CERTIFICATE SHALL ALSO STATE THAT THE FIRE ALARM SYSTEM WAS TESTED SUCCESSFULLY.

#### K. TESTING:

 UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY, AND BE WITNESSED BY THE LOCAL FIRE AUTHORITY WITH THE DSA INSPECTOR OF RECORD.

2. PROVIDE A CERTIFICATE OF COMPLETION PER NFPA 72.

#### ELECTRICAL LEGEND LIGHTING FIXTURES FIXTURE NOTATIONS: A,(b),C-12 FIXTURE TYPE "A", SWITCH "b", CIRCUIT C-12 LINEAR FIXTURE A ALTERNATE DESIGNATION FOR SITE SQUARE = RECESSED CIRCLE =SURFACE LED LIGHTING FIXTURES TASK LIGHT OR STRIP LIGHT DOWNLIGHT, SQUARE = RECESSED, HEXAGON = INGRADE UPLIGHT WALL MOUNT CEILING EXHAUST FAN POLE MOUNT AREA LIGHT EMERGENCY LIGHTING EXIT SIGN WITH 90 MIN BATTERY BACKUP WALL MOUNT EMERGENCY LIGHT WITH 90 MIN BATTERY BACK EXTERIOR LANDING EMERGENCY LIGHT. CONNECT TO INTERIOR EXIT SIGN FOR POWER. FIXTURES WITH INTEGRAL EMERGENCY BALLAST BASIC LIGHTING CONTROLS LIGHT SWITCH, +48" TO TOP OF BOX D = DIMMERP = PILOT SWITCH os = LINE VOLTAGE OCCUPANCY SENSOR T = TIMMERVS = VACANCY SENSOR WALL MOUNT OCCUPANCY SENSOR (LINE VOLTAGE) TITLE 24 LIGHTING CONTROLS LIGHT SWITCH COMPONENTS OF DIMMING ROOM CONTROLLER US = LOW VOLTAGE OCCUPANCY SENSOR (CAT 5 OR AS REQUIRED) DRC = DIMMING ROOM CONTROLLER PE = LOW VOLTAGE DIMMING PHOTOCELL (CAT 5 OR AS REQUIRED) D = LOW VOLTAGE DIMMER (CAT 5 OR AS REQUIRED) R = PLUG LOAD CONTROLLER ADR = AUTOMATIC DEMAND RESPOSNE (FOR BUILDINGS OVER 10,000 SF) 1. FOR SUBMITTAL INCLUDE FACTORY CONTROL DRAWINGS. 2. CONDUCT A CONTROLS PRE-CONSTRUCTION MEETING WITH CONTROLS STARTUP TEAM. PROVIDE AGENDA AND ATTENDEES AS A SUBMITTAL. INCLUDE DEVICE I.D. TAGS, PROGRAMMING, CABLE ROUTING, PROGRAM AND TIME SCHEDULES AND DATE OF PROGRAMMING AND TESTING. 3. CONTRACTOR TO HAVE SYSTEM FACTORY SUPPORT FOR START UP, PROGRAMMING AND COMMISSIONING. VERIFY OPERATIONAL HOURS WITH OWNER PRIOR TO COMMISSIONING. ELECTRICAL POWER ALL LINE VOLTAGE WIRING IN CONDUIT, SEE GENERAL NOTES TICKS = # OF #12 WIRE, SHORT = HOT, LONG = NEUTRAL, DOT = GROUND, 120V OUTLET, +15" TO BOTTOM OF BOX S = SIGN F = FLOOR • GFI = GROUND FAULT INTERUPTER COUNTER OUTLET. +44" TO TOP OF BOX. CEILING OUTLET **⊕** • QUADRUPLEX OUTLET, SQUARE FOR TV LOCATIONS HALF SWITCHED OUTLETS **+** FLOOR OUTLET JUNCTION BOX WITH MOTOR TOGGLE DISCONNECT JUCTION BOX MOTOR / DISCONNECT PANELBOARD TRANSFORMER / SWITCHBOARD AS NOTED COMMUNICATIONS TELEPHONE BACKBOARD, PROVIDE #8 GND TO SERVICE GROUND PHONE ONLY OUTLET, PREWIRED WITH CAT 6 CABLE DATA OUTLET JACK, PREWIRED WITH CAT 6 CABLE, NO # = 2 DROPS DATA OUTLET AND CEILING PROJECTOR FLOOR DATA OUTLET JACK, PREWIRED WITH CAT 6 CABLE, NO # = 2 DROPS IP SPEAKER (1 CAT 6) NOTE: GREY HATCHED SIGNAL DEVICES ARE EXISTING TO CLOCK SPEAKER (IP BASED) (1 CAT 6) REMAIN, UNLESS OTHERWISE NOTED. WIRELESS ACCESS POINT (1 CAT 6) WALL MOUNT ACCESS POINT (1 CAT 6) EXTERIOR WIRELESS ACCESS POINT (1 CAT 6) TEACHER STATION (SEE DETAIL 5/E0-4.2) HMDI CONNECTOR IN FLUSH WALL PLATE HDMI TV EXIST WITH COAX OUTLET, NEW WITH 2 DATA AND HDMI DATA SYSTEM JUNCTION BOX DATA SYSTEM PULLBOX IDF/MDF RACK (SITE PLAN SYMBOL)





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PROJECT NO: 2023-16

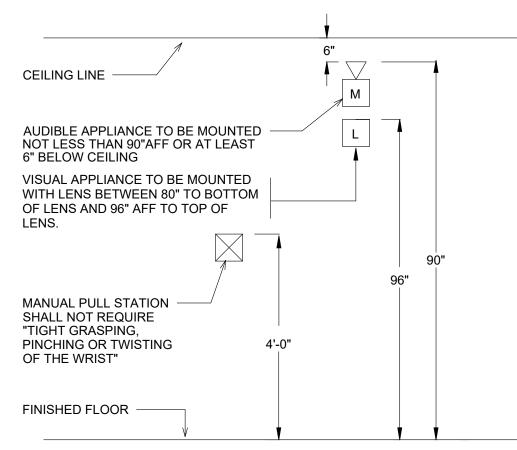
ISSUE DATE: 07/17/2024

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LEGEND

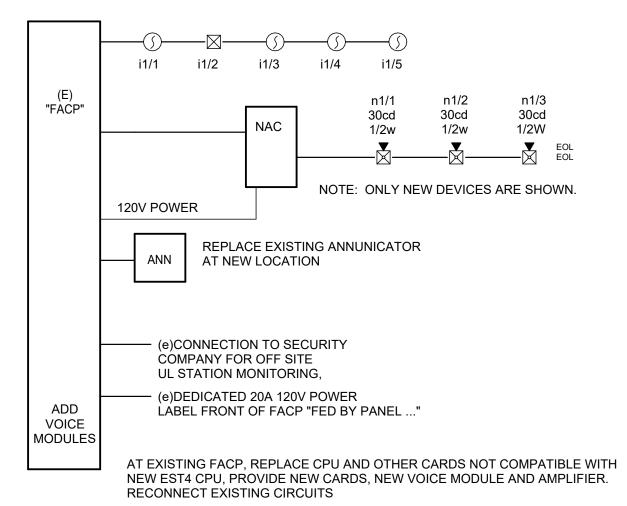
ISSUE SET: DSA SUBMITTAL

**GENERAL NOTES** 



FIRE ALARM SYSTEM OPERATION MATRIX					
DEVICE RESULTS	MANUAL PULL STATION	SMOKE & HEAT DETECTORS	POWER LOSS	GROUND FAULT, OPENS, SHORTS	REMOTE MONITOR
ACTIVATE VOICE, SPEAKERS	YES	YES	NO	NO	NO
ACTIVATE VISUALS	YES	YES	N/A	N/A	NO
ANNUNCIATE AT FACP	YES	YES	YES	YES	YES
ANNUNCIATE AT REMOTE ANNUCIATOR	YES	YES	YES	YES	YES
LIGHT UP "ALARM" LIGHT	YES	YES	NO	NO	NO
LIGHT UP "TROUBLE" LIGHT	NO	NO	YES	YES	YES
CENTRAL STATION	YES	YES	YES	YES	YES

# 1) FIRE ALARM ELEVATION SCALE: NTS





#### SPEAKER NAC VOLTAGE DROP CALCULATIONS (FACPA)

CALCULATION (LUMP SUM METHOD):  $VD = (2L \times K \times I)$ 

Where: VD = voltage drop

L = wire length K = wire AWG constant ( $\Omega/k'$ ) at 167°F: #16 = 4.73, #18 = 7.51, #20 = 11.90, #22 = 19.00 (strande I = total current (Note: Total current is derived by Ohm's Law,

dividing the total power by the source voltage: I = P/E) AUDIO LOSS:  $dB = 20 \times log (Vc/Vs)$ 

Where: dB = audio loss Vc = calculated voltage (source voltage minus voltage drop)

Vs = source voltage

CIRCUIT TOTAL SOURCE CURRENT WIRE LENGTH VOLTAGE PERCENT AUDIO NUMBER PWR (W) VOLTAGE (A) AWG (ft) DROP DROP LOSS (dB)

	FIRE ALARM SYST	EM COMPONENTS		
DEVICE	DESCRIPTION	MANUFACTURER	MODEL#	CSFM#
а	FIRE ALARM CONTROL PANEL	EDWARDS	EST4	7170-1657:508
	4-CPU CPU			
	4-NET-AD NETWORK ADDED MODULE			
	(2) 4-NET-TP SFP NETWORK CONTROLLER			
	4-NET-MM SFP NETWORK CONTROLLER FIBER			
	4-LCFLE TOUCHSCREEN DISPLAY			
	4-3LCD TOUCH SCREEN MODULE			
	4-24L24S CONTROL DISPLAY MODULE			
	(2)4-PPS/M POWER SUPPLY			
	3-SSDC2 SIGNATURE LOOP MODULE		8 7	
	(2)3-SDDC2 DUAL SIGNATURE LOOP MODULE			
	4-MIC MICROPHONE			
	4-AUDTEL AUDIO/PHONE RISER MODULE			
	3-ZA20A 20W AMPLIFIER			
	3-AZ40A 40W AMPLIFIER			
	3-CAB CABINET			
	BC-1R EXTERNAL BATTERY CABINET			
	3-12S1GY EST4 TO EST3 INTERFACE MODULE			
	(4)SIGA-MCC1S I/O MODULE			
	4-ANNAUDETL ANNUNCIATOR AUDIO			
	FILLER PLATES AS REQUIRED			
b	REMOTE ANNUNCAITOR	EDWARDS	3-4ANN	7120-1657:509
	4-6ANN REMOTE LCD ANNUNICATOR			
	4-LCDANN REMOTE LCD DISPLAY			
	4-MIC MICROPHONE			
	4-ANNMT WALL MOUNT BOX			
С	NAC PANEL	EDWARDS	APS10A	7300-1657:229
d	PULL STATION	EDWARDS	SIGA-278	7150-1657:129
u	POLL STATION	EDWARDS	51GA-276	/ 150-1657.129
е	SMOKE DETECTOR	EDWARDS	SIGA-OSD	7272-1657:511
	BASE		SIGA-SB	7300-1657:120
	OLONAL INO DEVICE			
f	SIGNALLING DEVICES	EDWADDO	C4V/DN	7405 4057:505
	STROBE	EDWARDS	G4VRN	7125-1657:505
	SPEAKER STROBE	EDWARDS	G4SVRN	7320-1657:516

#### **FACP-A BATTERY CALCULATIONS**

		Standby	Total	Alarm	Total
Description	Qty.	Current (mA)	Standby (mA)	Current (mA)	Alarm (mA)
Power Supply	1	N/A	N/A	N/A	N/A
<b>BOOSTER POWER SUPPLY</b>	1	45	45	45	45
CPU	1	230	230	230	230
NETWORK MODULES (SET)	1	305	305	305	305
LCD DISPLAY	1	40	40	93	93
SIGA CONTROLLER	1	144	144	204	204
DUAL SIGA CONTROLLER	1	264	264	336	336
AUDIO/PHONE MODULE	1	85	85	101	101
RELAY MODULE	1	0	0	8	8
DACT	1	60	60	95	95
20W AMPLIFIER	1	62	62	1120	1120
40W AMPLIFIER	1	62	62	2480	2480
DISPLAY CONTROL MODULE	1	4	4	10	10
REMOTE ANNUNCAITOR	1	125	125	125	125
MICROPHONE	1	8	8	38	38
TOTALS		<del></del>	1434		5190

\* NOTE: The SIGA Device Controller is calculated with the maximum Signature addressable device load

Battery Requirement Calculation for 24 Hours Standby and 15 Minutes Alarm:

Ampere Hours = [(Standby Current x Time)+(Alarm Current x Time)] x Derating Factor Ampere Hours =  $[(1.434A \times 24 \text{ hrs})+(5.19A \times 0.25 \text{ hrs})] \times 1.25$ Ampere Hours = 44.6

BATTERIES SUPPLIED: (4) 12 Volts, 24 Ampere Hours (24 Volts, 68 Ampere Hours)

#### NACA BATTERY CALCULATIONS

		Standby	Total	Alarm	Total
Description	Qty.	Current (mA)	Standby (mA)	Current (mA)	Alarm (mA)
Control Board	1	105	105	270	270
NAC N1	1			84	84
SPARE	1			0	0
SPARE	1			0	0
SPARE	1			0	0
	1			0	0
TOTALS		V==	105		354

Battery Requirement Calculation for 24 Hours Standby and 15 Minutes Alarm: Ampere Hours = [(Standby Current x Time)+(Alarm Current x Time)] x Derating Factor Ampere Hours =  $[(0.105A \times 24 \text{ hrs})+(0.354A \times 0.25 \text{ hrs})] \times 1.25$ 

BATTERIES SUPPLIED: (2) 12 Volts, 7 Ampere Hours (24 Volts, 7 Ampere Hours)

#### NAC VOLTAGE DROP CALCULATIONS

Ampere Hours = 3.3

CALCULATION:  $dV = V - (2L \times K \times dI)$ 

Where: dV = device Voltage

V = previous device voltage (Source Voltage = 20.4 VDC) K = wire AWG constant ( $\Omega/k'$ ) at 167°F: #8 = 0.81, #10 = 1.29, #12 = 2.05, #14 = 3.26

L = wire length dl = current

DEVICE LEGEND: S(x) = Strobe (where 'x' is candela)

HS(x) = Horn/Strobe (where 'x' is candela) H = Horn

WPH = Weatherproof Horn

			CEIL = Ceiling Mou	inted				
	CIRCUIT:	<u>N1/</u>						
	DEVICE	DEVICE	DEVICE	SECTION	WIRE	LENGTH	DEVICE	PERCENT
	ID NO.	TYPE	CURRENT (mA)	CURRENT (mA)	AWG	(ft)	VDC	DROP
8	N1/01	SS30	28	84	12	276	20.30	0.47
	N1/02	SS30	28	56	12	36	20.30	0.51
	N1/03	SS30	28	28	12	35	20.29	0.53

FIRE ALARM RELATED NOTES:

1) APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC

2) UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA

PROJECT INSPECTOR.

3) A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL

BE ON THE JOB SITE AND USED FOR INSTALLATION.

4) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.

5) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.

6) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.

7) THE ENTIRE LENS OF WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL OCCUR BETWEEN +80" MINIMUM AND +96" MAXIMUM FROM FINISHED

8) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.

9) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.

10) AUDIBLE FIRE ALARM NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN. CARBON MONOXIDE DETECTION / ALARM SHALL BE TEMPORAL CODE 4 PATTERN.

11) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.

12) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.

13) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.

14) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.

15) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.

16) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE / CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.

17) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.

18) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.

19) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 7.8.2.

20) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED

21) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE.

INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308. 22) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION

23) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS

SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE 24) AUTOMATIC FIRE ALARM SYSTEMS SHALL BE MONITORED AND SHALL

TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE & PROPRIETARY) BY UNDERWRITERS LABORATORY INC. (UL) OR OTHER APPROVED LISTING AND TESTING LABORATORY OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD, FACTORY MUTUAL (FM) 3011. TERMINATION OF MONITORING SERVICES SHALL BE IN ACCORDANCE WITH CBC/CFC SECTION 907.6.6.2.

DIV. OF THE STATE ARCHITEC APP: 02-122466 INC:

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/12/2024

**IDENTIFICATION STAMP** 



555 West Benjamin Holt Drive, Suite 423 Stockton, California 95207 **P**: (209) 952-5850 **F**: (209) 952-2442

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E: info@architechnica.net



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Weber Institute Restroom Remodel

302 West Weber Ave Stockton, CA 95203

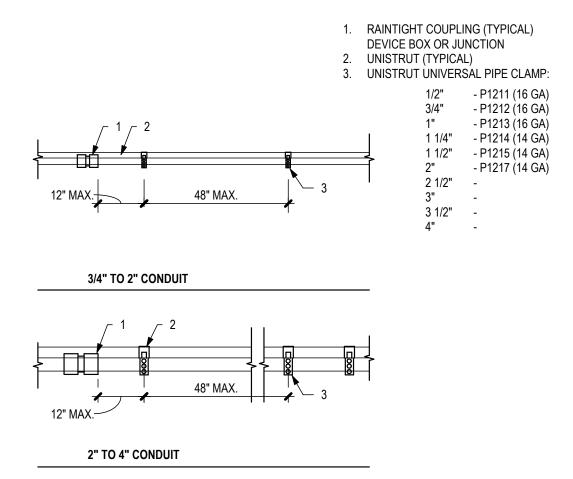
STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

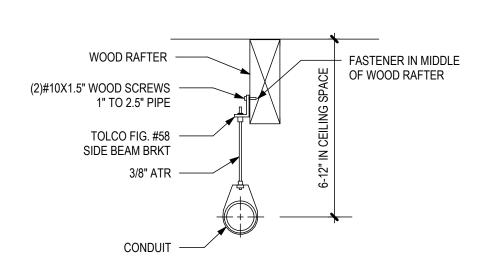
PROJECT NO: 2023-16 ISSUE SET: DSA SUBMITTAL

ISSUE DATE: 07/17/2024 DRAWN BY: Author

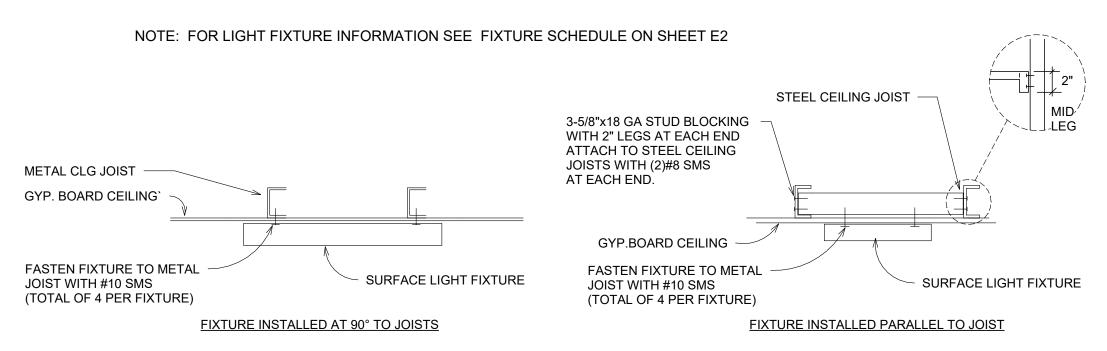
FIRE ALARM **DETAILS** 



# 1 CONDUIT STRAP SPACING SCALE: NTS



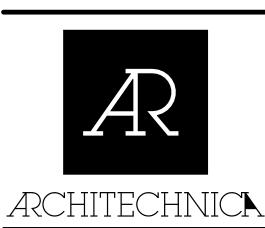
2 CONDUIT IN ATTIC SPACE
SCALE: NTS



4 SURFACE FIXTURE ON METAL CLG JOISTS
SCALE: NTS

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SS FLS ACS DATE: 08/12/2024

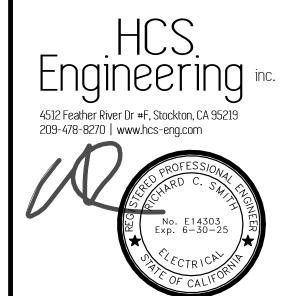


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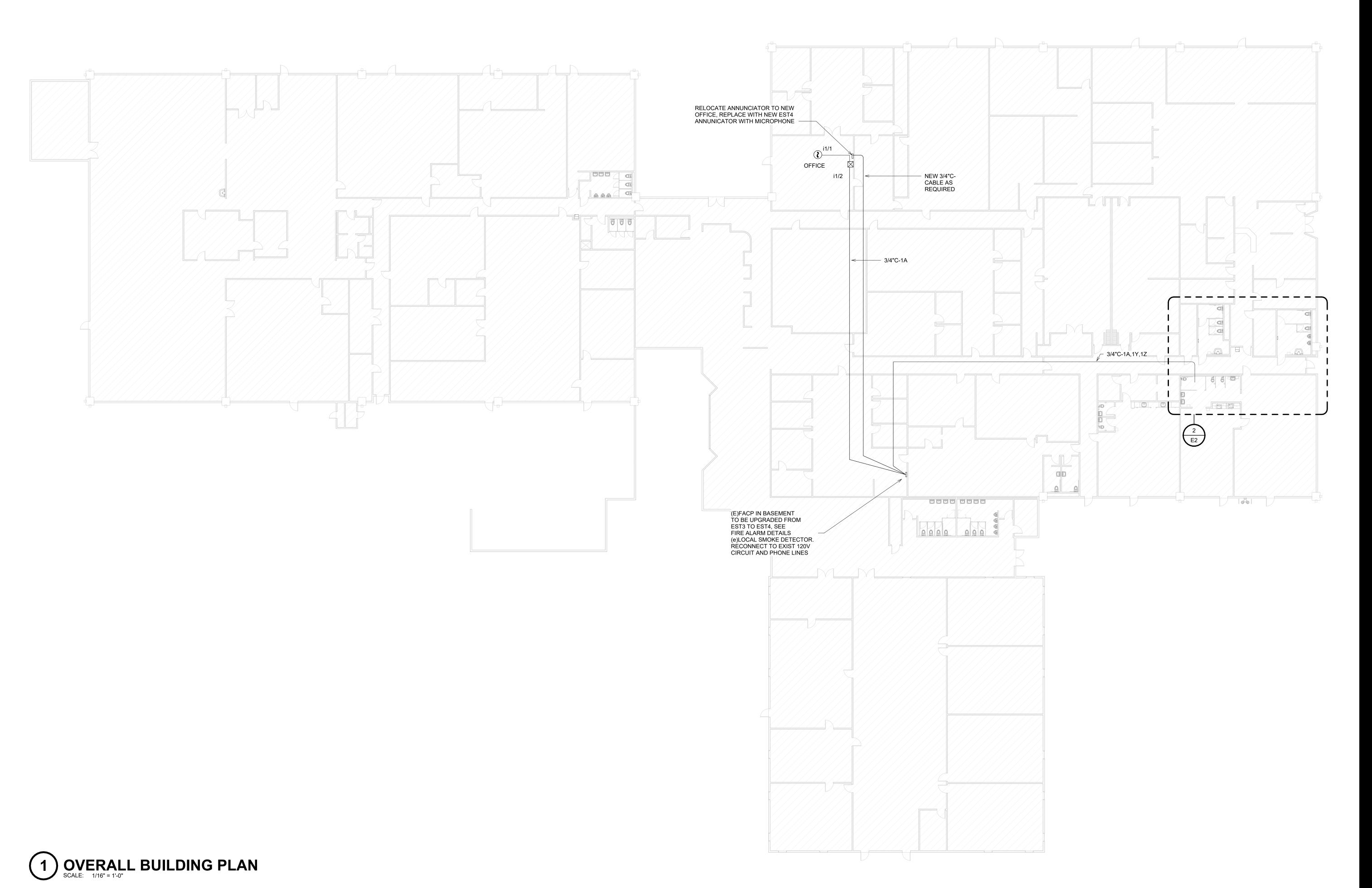
PROJECT NO: 2023-16

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COMMON ELECTRICAL DETAILS







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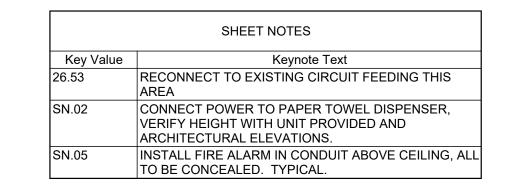
REVISIONS

PROJECT NO: 2023-16 ISSUE SET: DSA SUBMITTAL

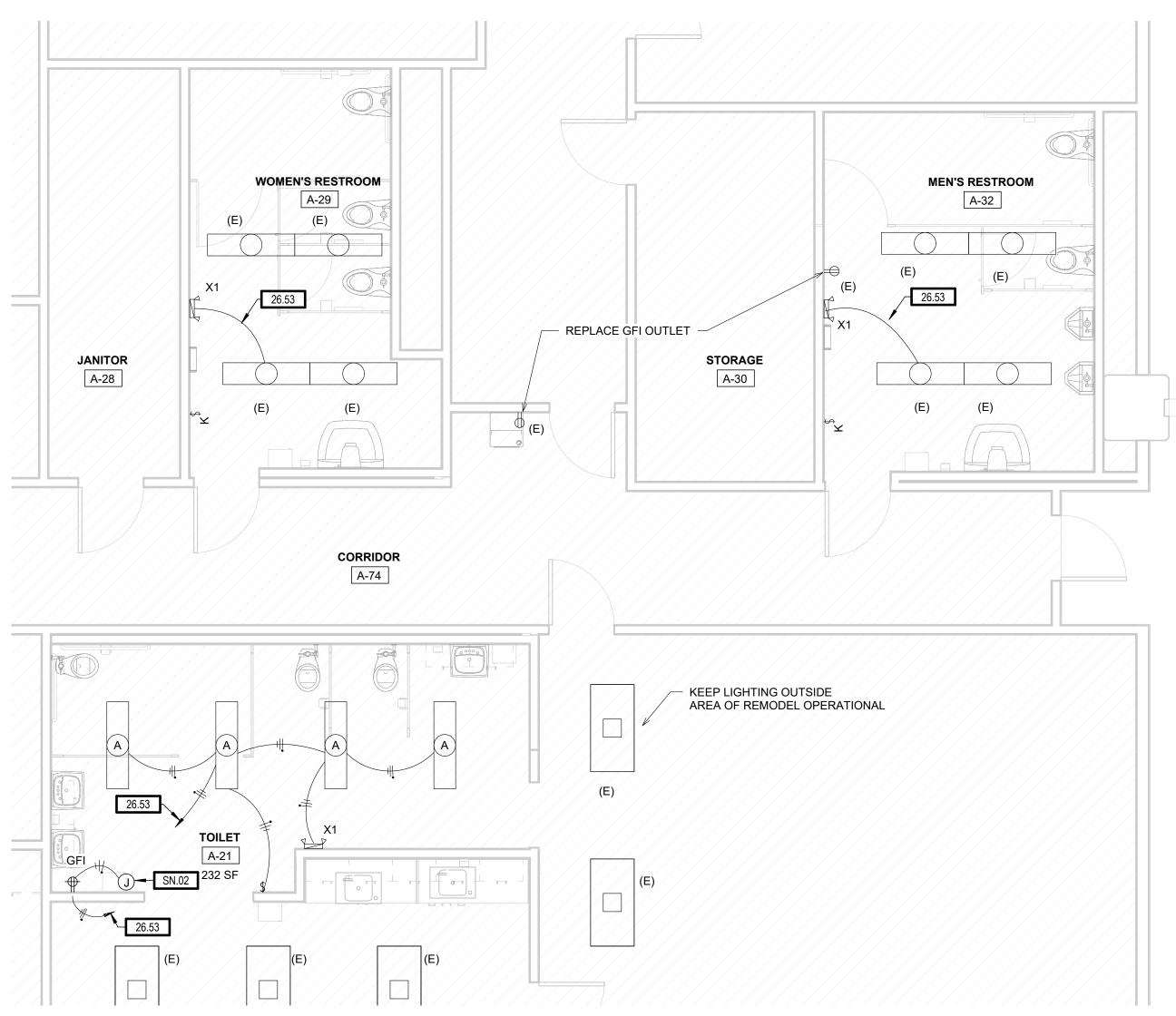
ISSUE DATE: 07/17/2024 DRAWN BY: BA

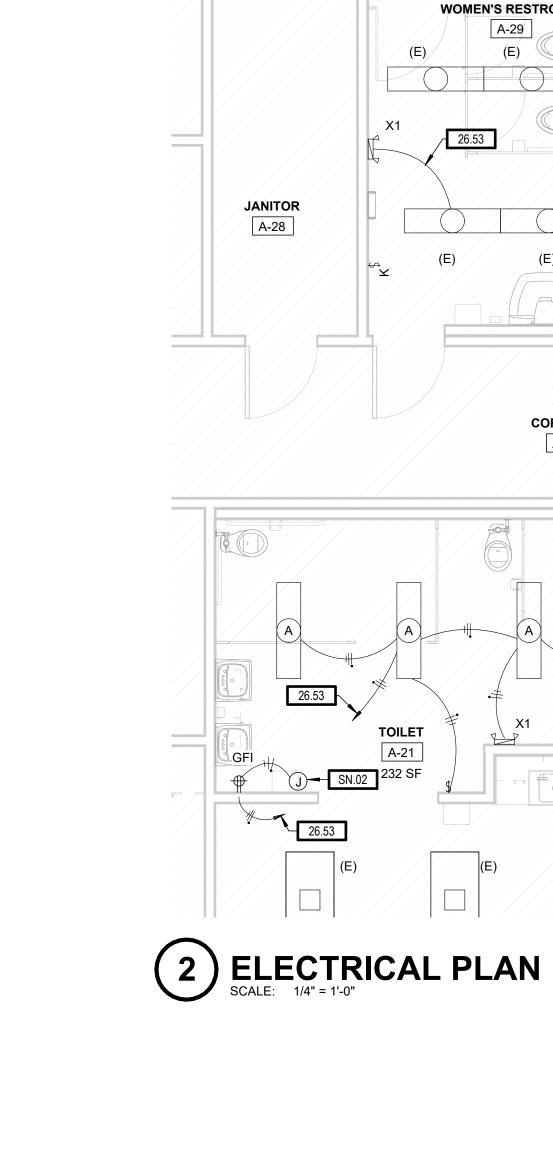
OVERALL BUILDING PLAN

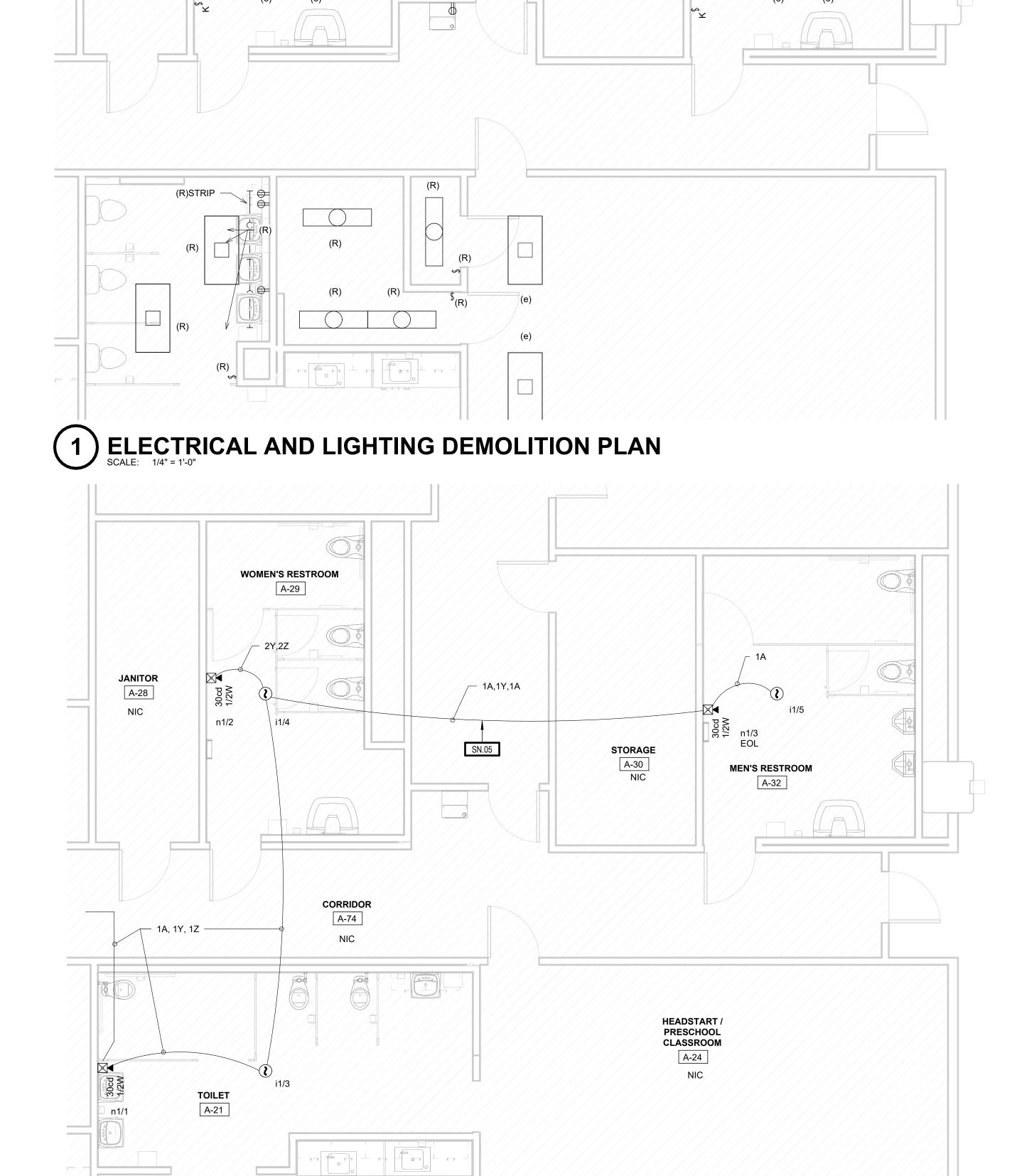
path://john/17/4



FIXTURE SCHEDULE						
Type Mark	Lamp	Description	Manufacturer	Model	Apparent Load	Weight (lbs)
Α	LED	4' LED 4000 LUMEN LED WRAP SURFACE MOUNT FIXTURE, 0-10 V DIMMING DRIVER, UNIVERSAL VOLTAGE	LITHONIA	STL4 40L EZ1 LP840	35 VA	13 lbs
X1	LED	WALL MOUNT EMERGENCY EGRESS LIGHT FIXTURES WTH INTEGRAL BATTERY BACKUP FOR 90 MINIUTE	LITHONIA	ELM	1 VA	3 lbs









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Weber Institute

Restroom Remodel

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STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16

ISSUE SET: DSA SUBMITTAL ISSUE DATE: 07/17/2024 DRAWN BY: Author

DEMOLITION AND

ELECTRICAL PLAN

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APP: 02-122466 INC:

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF) This section does not apply to this project. T. DWELLING UNIT LIGHTING This section does not apply to this project. U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online Form/Title NRCI-LTI-E - Must be submitted for all buildings V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance

Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

Form/Title

Documentation Software: EnergyPro Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-8039-0524-2713 Schema Version: rev 20220101 Report Generated: 2024-05-23 11:45:10 STATE OF CALIFORNIA **Indoor Lighting** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI-Project Name: WEBER INST. RR REMODEL (Page 2 of 7) Report Page: 5/23/2024

C. COMPLIANCE RESULTS If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for auidance. usted Lighting Power per 140.6(a) / 170.2(e) **Compliance Results** Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts) Area unconditioned Area Category PAF Lighting paces must not be Total Total Adjusted Category Additional 140.6(c)3/ Total Control Credits combined for Designed Building (Watts) 140.6(c)2 / 140.6(c)2G / 170.2(e)4B Allowed 140.6(a)2/ compliance per 140.6 / 170.2(e) \*Includes 170.2(e)4 170.2(e)4Av (+) 170.2(e)1B 140.6(b)1 / 170.2(e) Adjustments COMPLIES Controls Compliance (See Table H for Details) COMPLIES Rated Power Reduction Compliance (See Table Q for Details

D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA Indoor Lighting CALIFORNIA ENERGY COMMISSION (Page 5 of 7)

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Systems/Spaces To Be Field

Verified

**Indoor Lighting** 

Project Address:

CERTIFICATE OF COMPLIANCE

Project Name: WEBER INST. RR REMODE

RESTROOM:

Documentation Software: EnergyPro

Compliance ID: EnergyPro-8039-0524-2713

Report Generated: 2024-05-23 11:45:10

Documentation Software: EnergyPro

CALIFORNIA ENERGY COMMISSION

(Page 7 of 7)

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE This section does not apply to this project. L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY This section does not apply to this project. M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING This section does not apply to this project. N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS This section does not apply to this project. O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)) his section does not apply to this project. Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS This section does not apply to this project. R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS This section does not apply to this project.

Compliance ID: EnergyPro-8039-0524-2713 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Report Generated: 2024-05-23 11:45:10 STATE OF CALIFORNIA

WEBER AVE Date Prepared:

Generated Date/Time:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. Occumentation Author Name mentation Author Signature: Richard Smith 5/23/24 HCS Engineering, Inc CEA/ HERS Certification Identification (if applicable) 4512 Feather River Drive #F PE 14303 Stockton CA 95219 209-478-8270 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy. RICHARD SMITH, PE E14303 HCS ENGINEERING, INC 2024-05-23 4512 FEATHER RIVER DR #F STOCKTON CA 95219 2094788270

Generated Date/Time: Documentation Software: EnergyPro Compliance ID: EnergyPro-8039-0524-2713 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2024-05-23 11:45:10 Schema Version: rev 20220101

STATE OF CALIFORNIA Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE his document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for esidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities. Project Name: WEBER INST. RR REMODEL Project Address: 5/23/2024

A. GENERAL INFORMATION Project Location (city) STOCKTON 04 Total Conditioned Floor Area (ft<sup>2</sup>) 250 75 Total Unconditioned Floor Area (ft<sup>2</sup>) Climate Zone Support Areas

B. PROJECT SCOPE This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations. Scope of Work My Project Consists of (check all that apply): Calculation Method Area (ft<sup>2</sup>) ✓ New Lighting System Area Category Method Area Category Method New Lighting System - Parking Garage Total Area of Work (ft<sup>2</sup>)

STATE OF CALIFORNIA **Indoor Lighting** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE roject Name: WEBER INST. RR REMODE Report Page: (Page 4 of 7)

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

**Date Prepared** 

H. INDOOR LIGHTING CONTROLS (Not including PAFs) Area Level Controls Manual Area | Multi-Level Complete Building or Area Field Inspector Controls Controls Daylighting Systems Category Primary Function 130.1(c) // Area Description Daylighting 130.1(a)/ 130.1(b)/ 130.1(d) / 140.6(a)1/ 130.1(d) / 160.5(b)4D 170.2(e)2A Area 160.5(b)4C 160.5(b)4A 160.5(b)4B 160.5(b)4D Pass NA: General NA: Rm < NA: Rm < RESTROOM Occupancy Sensor Accessible Ltg <= 0.5W/SF 24sf Glazing 24sf Glazing Plan Sheet Showing Daylit Zones:

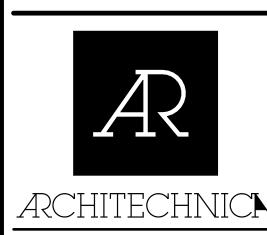
. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used . Additional Allowance / Adjustmen Complete Building or Area Category Primary Allowed Density Allowed Wattage Area Description Area (ft<sup>2</sup>) **Function Area**  $(W/ft^2)$ (Watts) Area Category 162.5 No TOTALS: 162.5 See Tables J, or P for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM This section does not apply to this project.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Documentation Software: EnergyPro Generated Date/Time: Compliance ID: EnergyPro-8039-0524-2713 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Report Generated: 2024-05-23 11:45:10

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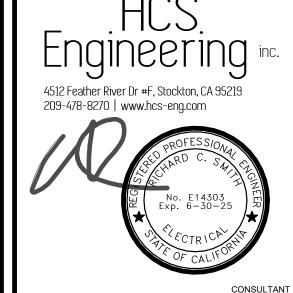
Documentation Software: EnergyPro

Compliance ID: EnergyPro-8039-0524-2713

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Weber Institute Restroom Remodel

302 West Weber Ave

Stockton, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16 ISSUE SET: DSA SUBMITTAL ISSUE DATE: 07/17/2024

DRAWN BY: Author

COMPLIANCE



#### General Notes:

#### Age Group

- .The Americans with Disabilities Act (ADA) may require
- 1. The Americans with Disabilities Act (ADA) may require that you make your park and/or playground accessible when viewed in its entirety. Please consult your legal counsel to determine if the ADA applies to you.

  2. For playground equipment to be considered accessible, accessible surfacing must be utilized in applicable areas.

  3. Although a particular playground design may not meet the proposed Access Board Regulations in regards to the appropriate number of ground level events, the actual playground may be in compliance when considering existing play components.

  4. All deck heights are measured from top of ground cover.

  5. Fall absorbing ground cover is required under and around all play equipment.
- around all play equipment.
- The minimum recommended fall zone around the entire playstructure is shown. This zone is to be free of all tripping or collision hazards (i.e. roots, rocks, border)
- 7.All post lengths are identified by text showing the post lengths, i.e. 96 represents a 96 inch post. 8.Not all equipment may be appropriate for all children. Supervision is required.

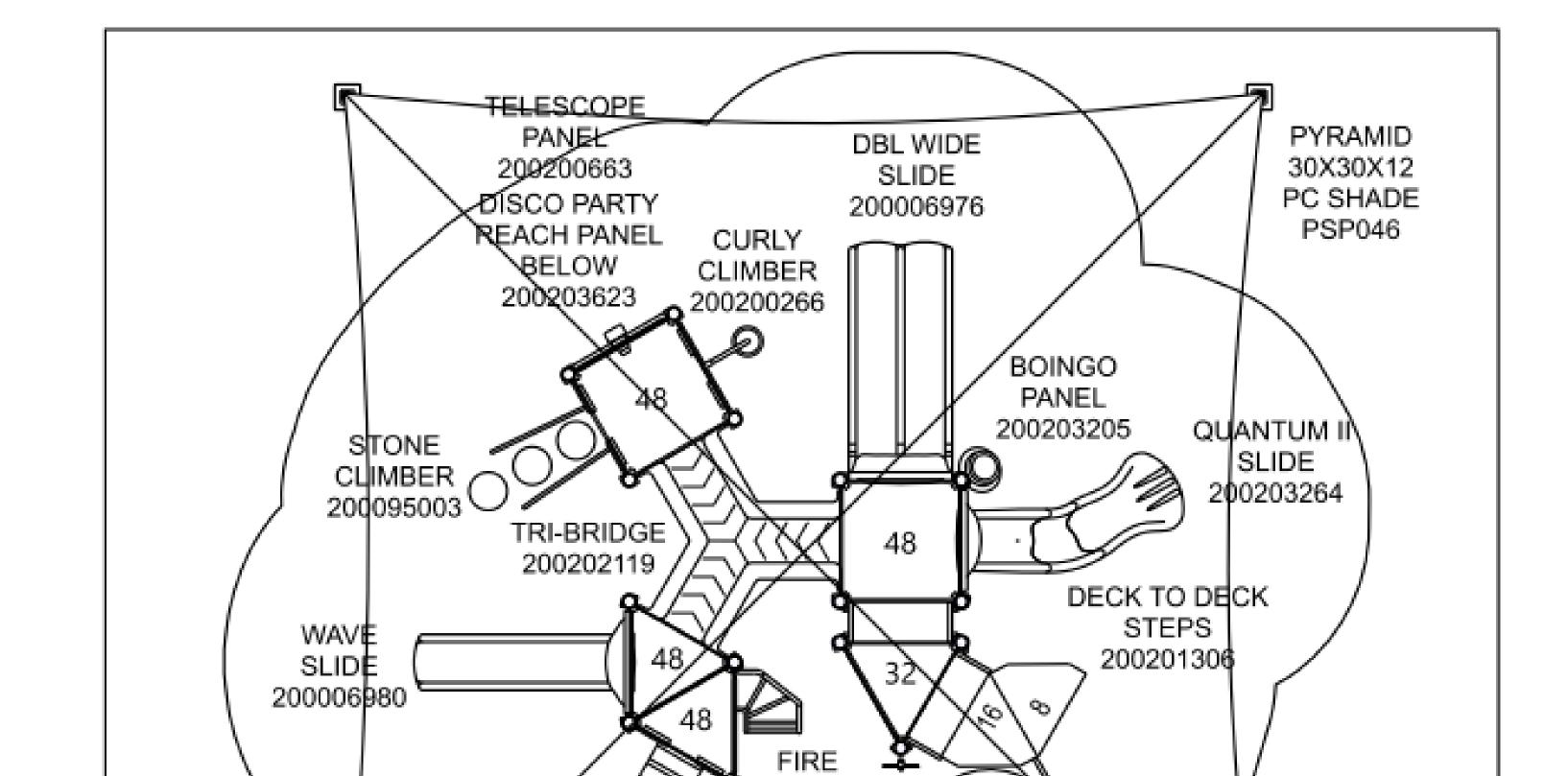
AGE GROUP: 2-5 ELEVATED PLAY ACTIVITIES - TOTAL: 9

ELEWATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER: 9 REQD ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP: REQU GROUND LEVEL ACTIVITY TYPE:

3 REGID GROUND LEVEL QUANTITY: 3 RECED 3

Accommodates 50-55 Children

NOTE: PLAY EQUIPMENT TO COMPLY WITH THE REQUIREMENTS IN 2022 CBC 11B-1008



ESCAPE

CLIMBER

200202250

SCRAMBLED SCALES

PANEL

200203627

Project:

Weber 2-5 Playground

Stockton, CA

LTCPS rep: Glen Wurster All About Play

(916) 923-2180

Ground Space: 31'-0" x 31'-0" Protective Area: 38'-0" x 33'-0"

Drawn by: Glen Wurster Date: 12/4/2023

DWG Name: R0317\_45263439586

LTCPS - Farmington 878 East Highway 60 Monett, Missouri 65708 Voice: 1-800-325-8828 Fax: 417-354-2273

Playground Layout Compliance:

✓ ASTM F1487 - Playground Equipment for Public Use. CPSC Handbook for Public Playground Safety

✓ This playground design meets the final Access Board Regulations.

BUMPY

CLIMBER

200123440



The play components identified in this plan are IPEMA certified. The use and layout of these components conform to the requirements of ASTM F1487.

POST

WHEEt

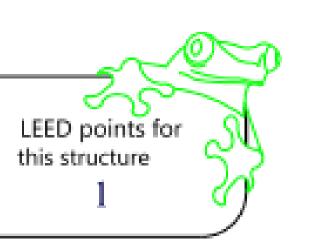
BELOW

200203572

TRANSFER

STATION

200202550



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CONSULTANT



WEBER HS LCAP PRE-K PLAYGROUND **PROJECT** 

302 W. WEBER AVE. STOCKTON, CA 95203

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16

ISSUE SET: DSA SUBMITTAL ISSUE DATE: 07/17/2024 DRAWN BY: Author

PLAYGROUND LAYOUT COMPLIANCE

P1

2022 California Mechanical Code (CMC), Part 4, Title 24 CCR (2021 IAPMO Uniform Mechanical Code and 2022 California amendments)						
	mbing Code (CPC), Part 5, Title 24 CCR orm Plumbing Code and 2022 California amend	dments)				
2022 California Energy Code (CEC), Part 6, Title 24 CCR						
	2022 California Fire Code (CFC), Part 9, Title 24 CCR (2021 International Fire Code and 2022 California Amendments)					
	sting Building Code (CEBC), Part 10, Title 24 ( Existing Building Code and 2022 California An					
2022 California Gre	een Building Standards Code (CALGreen), Par ferenced Standards Code, Part 12, Title 24 CC	t 11, Title 24 CCR				
Title 19 CCR, Publi	ic Safety, State Fire Marshal Regulations					
	/CSA B44-13 Safety Code for Elevators and Es Elevator Unit enforces CCR Title 8 and uses the	**	,			
` ,	Standard for the Installation of Sprinkler Systen Standard for the Installation of Standpipe and F	,	amended)			
NFPA 17 (2021) - S	Standard for Dry Chemical Extinguishing Syste	ms				
,	· Standard for Wet Chemical Extinguishing Sys Standard for the Installation of Stationary Pump		n			
·	Standard for Water Tanks for Private Fire Prote Standard for the Installation of Private Fire Sen		ir Appurtenances (CA amended)			
` ,	National Fire Alarm and Signaling Code (CA an Standard for Fire Doors and Other Opening Pro	•				
NFPA 2001 (2018)	- Standard on Clean Agent Fire Extinguishing	Systems (CA amer	•			
•	<ul><li>10) - Standard for Fire Testing of Fire Extinguistible Signaling Devices for Fire Alarm and Signaling</li></ul>	• •	•			
` '	andard for Heat Detectors for Fire Protective S 010) - Standard for Signaling Devices for the F					
·	tandard for Bleachers, Folding and Telescopic		dstands			
ABBREVIATI	ONS & SYMBOLS					
A DIM.	AREA DIMENSION	S SHT.	SECTION MODULOUS SHEET			
EA. EXT.	EACH EXTERIOR	SIM. SQ.	SIMILAR SQUARE			
FT. GA	FOOT OR FEET GAGE	Std. STRUC.	STANDARD STRUCTURAL			
INSP. INT.	INSPECTIONS INTERIOR	SYM. t	SYMMETRICAL THICKNESS			
KSI I	KIPS PER SQUARE INCH MOMENT OF INERTIA	TYP. U.O.N.	TYPICAL UNLESS OTHERWISE NOTED			
LB MAX.	POUND MAXIMUM	xS Ø	EXTRA STRONG DIAMETER			
MIN. NA	MINIMUM NOT APPLICABLE	# <	NUMBER LESS THAN			
NO. OZ.	NUMBER OUNCES	> ≤	GREATER THAN LESS THAN OR EQUAL TO			
PL PSF	PLATE POUND PER SQUARE FOOT	≥	GREATER THAN OR EQUAL TO			
DESIGN CRIT	ΓΕRΙΑ					
1. VERTICAL LOAI		D. =\				
	CANOPY LIVE LOAD = 5 psf (NON-REDUCI CANVAS DEAD LOAD = 0.069 psf	•				
1.C. 1.D.	SUPERIMPOSED LOAD = 0.5 psf (TEMPOR LIVE LOAD = 5 psf	RARY LOAD)				
1.E. 2. LATERAL LOAD		IDE\				
Z.A. WIIN	ID (ASCE/SEI 7-16 DIRECTIONAL PROCEDU ULTIMATE DESIGN WIND SPEED: $V_{ULT} = 17$ NOMINAL DESIGN WIND SPEED: $V_{ASD} = 85$	10 mph				
	EXPOSURE CATEGORY = "C" RISK CATEGORY = II	Пірп				
	CLASSIFICATION: OPEN STRUCTURE (CL WIND VELOCITY PRESSURE: q <sub>h</sub> = 0.00256					
2 R FAR	NOTE: WIND IS BASED ON OPEN STRUCT RTHQUAKE (EQUIVALENT LATERAL FORCE	URE WITH CLEAF				
Z.D. LAIV	MAPPED SPECTRAL RESPONSE ACCELE SITE CLASS = "D", UNLESS A SITE-SPECIF	RATIONS, $S_s = 2.5$				
			THAN THE DESIGN CRITERIA STATED			
	RISK CATEGORY = II SEISMIC DESIGN CATEGORY (SDC) = "E"					
	ORDINARY STEEL CANTILEVERED COLUI SPECTRAL RESPONSE COEFFICIENTS, F		$_{DS} = 2.0, S_{D1} = 0.850$			
	REDUNDANCY FACTOR: FOR HIP STYLE IMPORTANCE FACTOR: $I_e = 1.0$					
	OVERSTRENGTH FACTOR: $\Omega_0$ = 1.25 RESPONSE MODIFICATION FACTOR, R =					
	SEISMIC RESPONSE COEFFICIENT, $C_s = 7$ SEISMIC BASE SHEAR: $V = 1.6W$ (STRENG	STH LEVEL)				
	MAXIMUM FUNDAMENTAL PERIOD OF ST HORIZONTAL OR VERTICAL IRREGULARI		econds			
3.A. HIP	CTION LOADS (MAX. LOADS) SHADE (PER COLUMN)					
L	DEAD: 0.57 k IVE: 1.84 k					
V	VIND (LRFD): 2.2 k (DOWN)					
	1.1 k (UPLIFT) 7.6 k (HORIZONTAL					
S	89.9 k-ft (MAX. MOMENT) SEISMIC(LRFD):					
2 D. LIME	0.83 k (HORIZONTAL) 9.9 k-ft (MAX. MOMENT)					
3.B. UMBRELLA SHADE (PER COLUMN)  DEAD: 1.04 k						
LIVE: 2.81 k WIND (LRFD):						
4.87 k (DOWN) 3.24 k (UPLIFT) 3.3 k (HORIZONTAL						
~	3.3 k (HORIZONTAL 27.6 k-ft (MAX. MOMENT)					
S	SEISMIC (LRFD):  1.64 k (HORIZONTAL)  19.68 k-ft (MAX, MOMENT)					
4. PIER FRICTION	19.68 k-ft (MAX. MOMENT) RESISTANCE ICTION COEFFICIENT: µ = 0.3					
	M PIER FRICTION RESISTANCE: f = 28 k					
5.A. AS F	PER IR PC-4 5.4.5: THE MINIMUM CLEARAN					
	MULTIPLE CANOPIES IS: 8 x PIER DIAMETER (16', 20', OR 24' FROM PIER TO PIER). 5.B. THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.					

APPLICABLE CODES AND STANDARDS

2022 California Building Code (CBC), Part 2, Title 24 CCR

2022 California Electrical Code (CEC), Part 3, Title 24 CCR

2022 California Administrative Code (CAC), Part 1, Title 24 CCR\*

(2020 National Electrical Code and 2022 California Amendments)

(2021 International Building Code, Vol. 1 & 2, and 2022 California amendments)

**GENERAL NOTES** 1. MATERIAL SPECIFICATIONS

1.D.

1.E.

2. WELDING

4. BOLT HOLES

6. FABRIC MATERIAL

7. QUALITY CONTROL

8. STANDARD NOTES

5. CORROSION PROTECTION

3. CABLE CLIPS & TURNBUCKLES

1.A. SOIL (NO SOIL REPOR

PLATE STEEL: ASTM A36, F<sub>y</sub> = 36ksi

SELF-TAP SCREWS: AISI 410 SS

**ANCHOR NUTS: ASTM A563** 

LOCK NUTS: ASTM F594; ASME B18.16.6

SCHEDULE PIPE: ASTM A500 GRADE B&C, Fy = 46 ksi

ANCHOR BOLTS: ASTM F1554 GRADE 36 MINIMUM

SHALL BE AISI 304 STAINLESS STEEL, ASTM A240.

OF THE 2022 C.B.C. CHAPTER 17A, SECTION 1705A.2.5

AND 7/16"Ø CABLE REQUIRES A MINIMUM OF 4 CLIPS.

5/8"Ø Sa = 2.46k, FOR 3/4"Ø Sa = 3.52k.

NOMINAL WEIGHT = 10 oz/yd<sup>2</sup>

DIVISION 1, CHAPTER 8

PART 1, TITLE 24, CCR

POTENTIAL EXISTS.

MAX. ELONGATION: WARP = 49%, WEFT = 89%

ALLOWABLE STRENGTH OF SEAMS: 67.3 lb/in

APPLICABLE DRAWINGS AND DOCUMENTATION.

ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR

(SECTION 4-317(c), PART 1, TITLE 24, CCR)

VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

CABLE WHEN PROPER QUANTITY AND BOLT TORQUE IS USED.

6.A. FABRIC MATERIAL SHALL BE COMMERCIAL NINETYFIVE 340 FR FABRIC

STRUCTURAL TUBES: ASTM A500 GRADE B, Ø<3" F<sub>V</sub> = 50 ksi, Ø≥3" 46 ksi. CORROSION PROTECTION

CABLE STEEL: 7x19 OR 6x36 CLASS IWRC (TYPICALLY REFERRED TO AS AIRCRAFT CABLE), CABLE

ALLOWABLE STRENGTH FOR  $3/16^{\circ}$  %  $S_a = 1.23k$ ,  $1/4^{\circ}$  %  $S_a = 2.18k$ ,  $5/16^{\circ}$  %  $S_a = 3.07k$ ,  $3/8^{\circ}$  %  $S_a = 4.09k$ ,

MIN. PRETENSION FORCE ON 1/4"Ø = 0.10k, ON 5/16"Ø = 0.15k, ON 3/8"= 0.20k, ON 7/16"Ø = 0.25k.

WELDING ELECTRODES SHALL BE GMAW / SEMI-AUTOMATIC, GRADE ER70S-6 PER AWS A-5.18

WORKMANSHIP AND TECHNIQUE OF WELDING ARE TO CONFORM TO THE 2022 C.B.C. SECTION

CABLE CLIPS SHALL BE FORGED STEEL PER FEDERAL SPECIFICATION FF-C-450 TYPE 1. CLASS 1

INSTALLED WITH THE U-BOLT ON THE CABLE DEAD END (SEE SPECIFICATION SHEET ON FINAL SHEET OF THIS SUBMITTAL). CABLE CLIPS WILL DEVELOP THE ALLOWABLE STRENGTH OF THE

3/16"Ø CABLE REQUIRES A MINIMUM OF 3 CLIPS, 1/4"Ø CABLE REQUIRES A MINIMUM OF 3 CLIPS,

BOLT TORQUE FOR 3/16" Ø CABLE CLIPS = 7 lb-ft, FOR 1/4"Ø CABLE CLIPS = 15 lb-ft, FOR 5/16"Ø CABLE CLIPS = 30lb-ft, FOR 3/8"Ø CABLE CLIPS = 45lb-ft, FOR 7/16"Ø CABLE CLIPS = 65lb-ft.

5/16"Ø CABLE REQUIRES A MINIMUM OF 3 CLIPS, 3/8"Ø CABLE REQUIRES A MINIMUM OF 3 CLIPS,

TURNBUCKLES SHALL BE AISI T316 STAINLESS STEEL. ALLOWABLE STRENGTH FOR 1/2"Ø Sa = 1.54k,

ANCHOR BOLT HOLE DIAMETERS SHALL BE 1/8" LARGER THAN THE BOLT DIAMETER, ALL OTHER

CONNECTION BOLT HOLE DIAMETERS SHALL BE 1/16" LARGER THAN THE BOLT DIAMETER

5.A. ALL STEEL MEMBERS (U.N.O.) SHALL BE POWDER COATED WITH A ZINC RICH PRIMER AND TGIC

THE FABRIC SHALL BE MANUFACTURED FROM HIGH DENSITY POLYETHYLENE POLYMER

MIN. ULTIMATE BREAKING STRENGTH PER ASTM D 5034: WARP = 158.6 lbs, WEFT = 412.3 lbs

FABRIC MATERIAL SHALL COMPLY WITH CBC SECTIONS 3102.3.1, 3105.3, AND CCR, TITLE 19,

INSTRUMENTED VERIFICATION OF THE FOLLOWING ASPECTS, IF APPLICABLE: MATERIAL

ALL MANUFACTURER PERSONNEL SHALL RECEIVE TRAINING AS MANDATED BY SUPERIOR

ENSURE DIMENSIONAL ACCURACY AND WELD QUALITY. PAINTED STEEL PRODUCTS SHALL

STANDARDS FOR EXECUTION OF THE WORK SHALL FOLLOW SUPERIOR RECREATIONAL PRODUCTS' WORK INSTRUCTIONS, QUALITY PROCEDURES, AND DSA APPROVED SEALED

8.A. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT

AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR.

FABRIC SHADE STRUCTURES SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CBC SECTION

TRACEABILITY, WELD QUALITY, DIMENSIONAL ACCURACY, COATINGS, ASSEMBLY, PACKING, AND

RECREATIONAL PRODUCTS. QUALITY PERSONNEL WILL BE CONTINUALLY TRAINED, INCLUDING

PROCESS AUDITS THROUGHOUT THE PRODUCT REALIZATION. QUALITY ASSURANCE AUDITS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN SRP AND LADBS CERTIFIED INSPECTOR. ALL WELDED STEEL PRODUCTS SHALL RECEIVE QUALITY ASSURANCE AUDITS AFTER WELDING TO

RECEIVE RANDOM QUALITY ASSURANCE AUDITS USING A FILM THICKNESS GAUGE 250 TIMES PER

DAY ON PRIMER COAT AND 250 PER DAY ON TOP COAT TO ENSURE PROPER COATING THICKNESS.

DRAWINGS. MANUFACTURER SHALL ADHERE TO DIMENSIONAL TOLERANCES AS SPECIFIED ON

CHANGES 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,

A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL

SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION

CHANGE DOCUMENT OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION

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 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.

AS PER IR PC-4 1.8: GEOHAZARD REPORTS: GEOHAZARD REPORTS ARE NOT REQUIRED FOR OPEN

GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION

FABRIC SHADE STRUCTURES 1,600 SQUARE FEET (SQ. FT.) OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4: GEOHAZARD REPORT REQUIREMENTS, SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQ. FT. UP TO A MAXIMUM OF 4,000 SQ. FT. AND

COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1 DO NOT REQUIRE A

AS PER IR PC-4 5.4.5: THE MINIMUM CLEARANCE REQUIRED BETWEEN DRILLED PIERS WHEN

AS PER IR PC-4 5.7: PIER & SHALLOW SPREAD FOOTINGS MAY BE COMBINED WITHIN THE SAME SHADE STRUCTURE IF ALL COLUMNS IN THE SHADE STRUCTURE HAVE THE SAME HEIGHT. SHADE STRUCTURE APPROVAL FOR WILDLAND-URBAN INTERFACE PER CBC 7A TO BE FIELD

VERIFIED. THIS PC HAS NOT BEEN APPROVED FOR USE IN A FIRE HAZARD SEVERITY ZONE PER

PLACING MULTIPLE CANOPIES IS: 8 x PIER DIAMETER (16', 20', OR 24' FROM PIER TO PIER). THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.

MINIMUM SETBACK LIMIT FOR THE SHADE STRUCTURES AS PER FIGURE 1:

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES. AS PER IR PC-4 1.7: FLOOD ZONE: DESIGN SHALL COMPLY WITH CBC SECTION 1612A AND PROCEDURE PR 14-01: FLOOD DESIGN AND PROJECT SUBMITTAL REQUIREMENTS. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X A LETTER STAMPED AND SIGNED FROM A GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL

POLYESTER TOP COAT MEETING ASTM B117, ASTM D2247, AND ASTM D4587-05

MIN. ULTIMATE TEAR STRENGTH PER ASTM D 2261: WARP = 43.0 lbf, WEFT =39.6 lbf

MAXIMUM MODULUS OF ELASTICITY = 657 LB/IN PER FABRIC THICKNESS

FIRE RETARDANT RATING PER CSFM - TITLE 19, (LICENSE # : F-037801).

7.A. QUALITY CONTROL PERFORMED BY THE SUPPLIER SHALL INCLUDE VISUAL AND/OR

GROUT: NON-SHRINK, NON-METALLIC GROUT, SHALL MEET ASTM C1107, MIN. F'c = 5,000 psi.

EXPOSED STEEL FASTENERS: ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE

(ASTM A153, CLASS D MINIMUM OR ASTM F2329 OR ASTM A325 HIGH STRENGTH)

MAX. PRETENSION FORCE ON 1/4"Ø = 0.15k, ON 5/16"Ø = 0.23k, ON 3/8"Ø = 0.30k, ON 7/16"Ø = 0.35k

ANCHOR BOLTS/RODS, SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), OR HOT-DIP GALVANIZED

2204A.1. ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS

SHALL BE TRIPLE COATED FLO-COAT® HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A

MACHINED BOLTS: ASTM F593C/304 OR F593D/304 (LOCK NUTS ARE REQUIRED).

NOTES		INDEX (Sheet Count: 5)
SPECIFICATIONS SOIL (NO SOIL REPORT PROVIDED): SOIL BEARING PRESSURE = 1500 PSF AT 24" BELOW THE	#	Drawing Title
LOWEST GRADE. LATERAL BEARING PRESSURE = 200 PSF/FT (CLASS 5), INCREASED PER CBC SECTION 1806A.3.4. A SITE-SPECIFIC GEOTECHNICAL REPORT IS REQUIRED AT THE TIME OF SITE APPLICATION WHEN USING LOAD-BEARING VALUES ABOVE THE STATED MAXIMUMS FOR CLASS 5	S1	COVER SHEET AND NOTES
	S2	ELEVATION DETAILS
SOIL. ALLOWABLE PIER FRICTIONAL UPLIFT CAPACITY = 250 PSF. 1/3 INCREASE FOR SHORT TERM LOADS IS NOT ALLOWED.	S3	TYPICAL DETAILS
CONCRETE: f'o = 4,500 psi MIN. @ 28 DAYS (SPECIAL INSPECTION REQUIRED). CONCRETE SHALL BE MADE WITH TYPE V CEMENT, PLUS POZZOLAN OR SLAG CEMENT COMPLYING WITH FOOTNOTE 7	S4	REFERENCE TABLES
OF ACI 318 TABLE 19.3.2.1, WITH A WATER TO CEMENT RATIO NOT MORE THAN 0.45. SITE-SPECIFIC GEOTECHNICAL REPORT MUST BE PROVIDED IF A LOWER f'₀ IS DESIRED. APPLICABLE EXPOSURE	S5	SPECIFICATION INFORMATION
LEVELS = S2. CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED	S6	EXAMPLE FORM DSA 103 - TESTS & INSPECTIONS
PER ACI 318 SECTION 19.3.3. ADMIXTURES CONTAINING CALCIUM AND CHLORIDE ARE PROHIBITED. REINFORCING STEEL: ASTM A615, GRADE 60, EXCEPT STIRRUPS AND TIES SHALL BE GRADE 40.		·

#### DESIGN PARAMETER CHECKLIST FOR

#### OVER-THE-COUNTER REVIEW

THE FOLLOWING CHECKLIST IS INTENDED TO ASSIST THE PLAN REVIEWER DETERMINE IF THIS PRE-CHECKED SUBMITTAL IS APPLICABLE TO THE SITE-SPECIFIC CONDITIONS IN WHICH IT IS INTENDED TO BE USED. IF THIS CHECKLIST CANNOT BE COMPLETED, ADDITIONAL ENGINEERING PROVING SITE-SPECIFIC COMPLIANCE IS REQUIRED.

#### THIS PRE-CHECKED SUBMITTAL IS APPLICABLE UNDER THE FOLLOWING CIRCUMSTANCES:

- ☐ THE CONSTRUCTION TYPE IS "IIB"
- ☐ THE RISK CATEGORY IS "II" OR LESS
- ☐ THE WIND EXPOSURE CATEGORY IS "C" OR LESS
- ☐ THE SOIL CLASS IS "D" OR BETTER
- ☐ THE PROJECT SITE BASIC ULTIMATE WIND SPEED IS ≤ 110 mph
- ☐ THE PROJECT SITE SEISMIC DESIGN CATEGORY IS "E" OR LESS
- THE PROJECT SITE IS NOT IN A FLOOD ZONE (WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X A LETTER STAMPED AND SIGNED FROM GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN PC ARE STILL APPLICABLE)
- THE PROJECT SITE IS NOT IN AN AREA CLASSIFIED AS A WILD LAND URBAN INTERFACE FIRE AREA (A FIRE HAZARD SEVERITY ZONE)
- □ NONE OF THE MAXIMUM DESIGN CRITERIA ARE EXCEEDED
- ☐ ALLOWABLE SOIL COMPRESSIVE STRENGTH IS 1,500 psf OR GREATER
- □ LATERAL BEARING PRESSURE SHALL BE 200 PSF/FT (INCREASED PER CBC SECTION 1806A.3.4) OR GREATER
- □ PIER FRICTIONAL RESISTANCE SHALL BE LARGER THAN USED IN DESIGN
- □ IF THE CANOPY SIZE IS < 1,600 ft<sup>2</sup> IN AREA, COMPLYING WITH THE REQUIREMENTS OF DSA IR A-4 SECTION 3.1.1, SUPPORTED ON ALL CORNERS (3 COLUMNS MINIMUM), A SITE-SPECIFIC GEOHAZARD REPORT IS NOT REQUIRED
- IF THE CANOPY SIZE IS < 4,000 ft<sup>2</sup> IN AREA AND THERE IS A GEOTECHNICAL REPORT PROVING THAT NO POTENTIAL FOR LIQUEFACTION EXISTS, A SITE-SPECIFIC GEOHAZARD REPORT IS NOT REQUIRED
- ☐ THE CANOPY SIZE PROVIDES THE MINIMUM REQUIRED AREA FOR THE SELECTED ASSEMBLY USE AND DESIRED OCCUPANCY LOAD (SEE ASSEMBLY USE SELECTION CHECKLIST)

#### OCCUPANCY USE SELECTION CHECKLIST

THE FOLLOWING CHECKLIST IS TO BE USED BY THE PARTY SUBMITTING THIS PRE-CHECK TO INDICATE THE

- INTENDED OCCUPANCY USE FOR THIS FABRIC CANOPY.
- □ ASSEMBLY GROUP A-2 □ ASSEMBLY GROUP A-3
- ☐ BUSINESS GROUP B
- EDUCATIONAL GROUP E
- INTENDED OCCUPANCY LOAD 45 PERSONS

#### SITE-SPECIFIC CODE ANALYSIS

THIS SECTION IS TO BE FILLED OUT BY THE ARCHITECT OF RECORD FOR SITE-SPECIFIC APPROVAL TYPE OF CONSTRUCTION: TYPE IIB

FIRE SPRINKLER: NO

ALLOWABLE AREA = 14,500 ft<sup>2</sup>

CODE ANALYSIS				
OCCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTURE AREA (ft²)	
E	20 SF/ PERSON	45	900	

NOTE: THE INTENDED USE AND OCCUPANCY TO BE SPECIFIED ON SITE-SPECIFIC APPLICATION DRAWINGS.

#### **CANOPY SIZE SELECTION CHECKLIST**

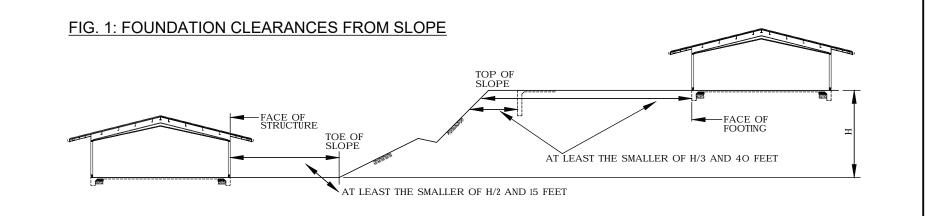
THE FOLLOWING CHECKLIST IS TO BE USED BY THE PARTY SUBMITTING THIS PRE-CHECK TO INDICATE THE INTENDED SIZES USED FOR THIS FABRIC CANOPY SUBMITTAL. SELECT ONE STYLE/SIZE AND ONE

1. HEIGHT OPTIONS ARE FROM 9FT TO 12FT.

2. INTERMEDIATE SIZES MAY USE THE MEMBER SIZES OF THE NEXT LARGEST CANOPY WITH AN IDENTICAL WIDTH TO

HIP STYLE SIZE	HEIGHT
□ 10' x 20'	□ 9'
□ 15' x 20'	□ 10'
□ 18' x 36'	
□ 20' x 20'	
□ 20' x 30'	
□ 20' x 40'	
□ 25' x 25'	
□ 25' x 30'	
□ 30' x 40'	

UMBR	ELLA STYLE SIZE	HEIG	<b>3HT</b>
	12'		9'
	20'		10'
			12'





DSA IDENTIFICATION STAMP **IDENTIFICATION STAMP** DIV. OF THE STATE ARCHITEC APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/12/2024



Shade SUPERIOR SHADE

150 Adamson Industrial Blvd.

Carrollton, GA 30117

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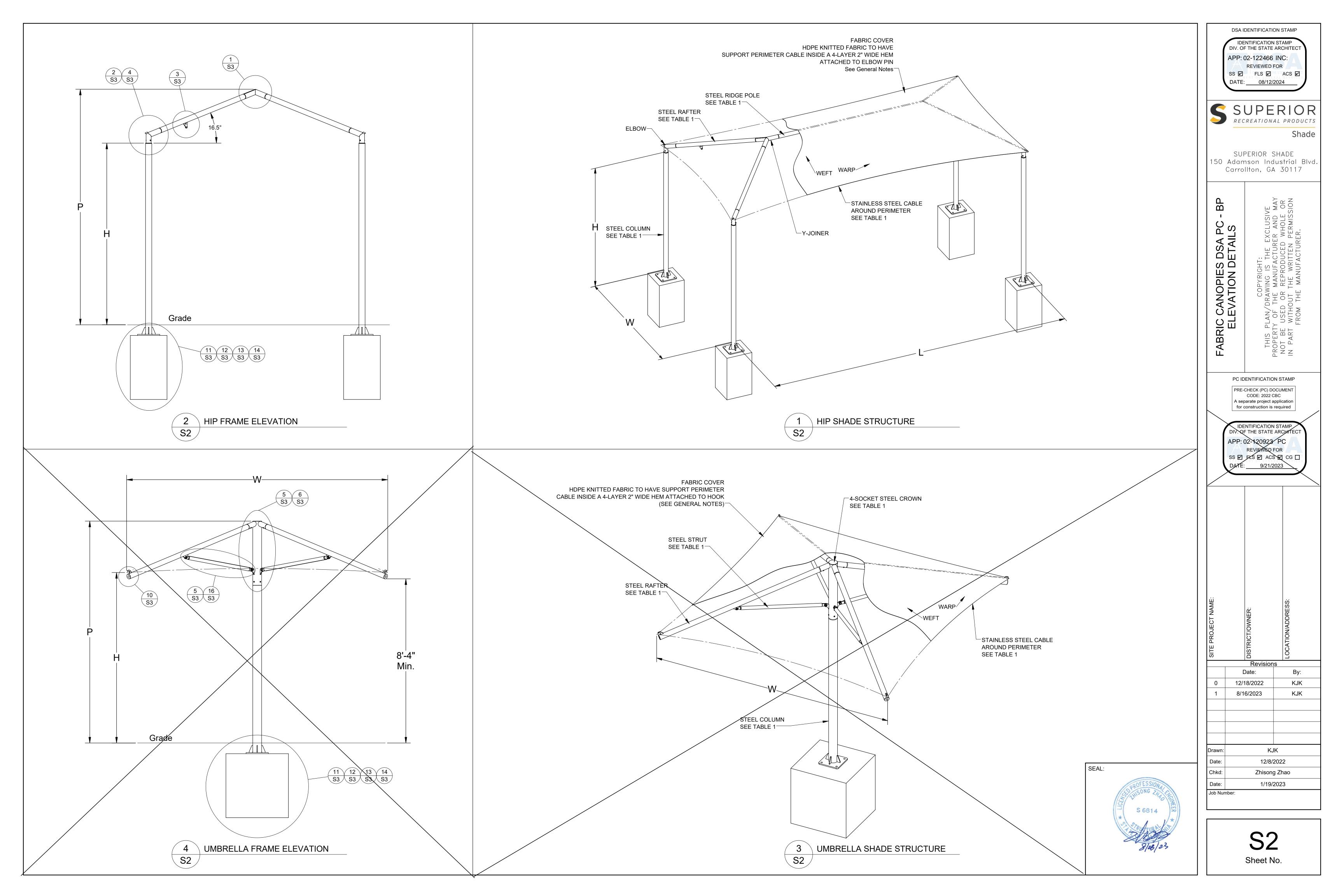
PC IDENTIFICATION STAMP PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A separate project application for construction is required IDENTIFICATION STAMP

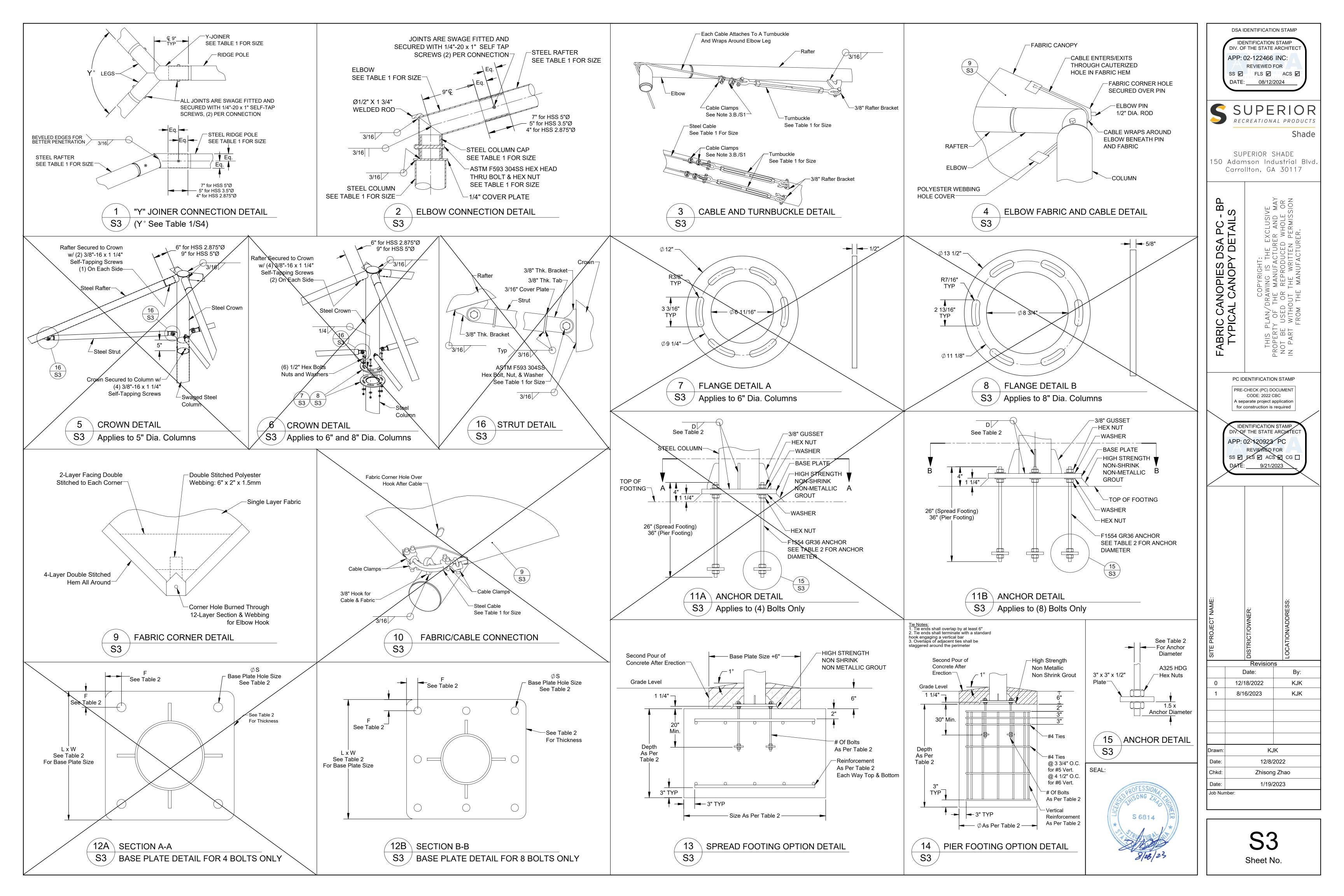
DIV. OF THE STATE ARCHITE APP: 02-120923 PC SS I FLS I ACS I CG |

Revisions Date: 12/18/2022 KJK

1	8/16/2023	KJK
Drawn:	KJ	IK
Date:	12/8/	2022
Chkd:	Zhison	g Zhao
Date:	1/19/2023	
Job Nur	nber:	

Sheet No.





#### TABLE 1 : Shade Member Sizes

	Shade Number	Width (W)	Length (L)	Height (H)	Peak Height (P)	Steel Column	Steel Rafter	Steel Ridge	Elbow & Y-Joiner	Cable Size	Turnbuckle Size	Y° (See detail 1/S3)	Elbow Bolt Size (See Detail 2/S3)	Column Cap Material (See Detail 2/S3)
	DSARD102009SN	10'	20'	9'	11.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSAR <del>D15</del> 2009SN	15'	20'	9'	12.03'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202009SN	20'	20'	9'	12.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	1/2" x 4-1/ <u>2</u> "	3" OD DOM 1/4" Wall
	DSASD252509SN	25'	25'	9'	13.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203009SN	20'	30'	9'	13.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253009SN	25'	30'	9'	14.05'	Pipe 8" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSASD303009SN	30'	30'	9'	14.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183609SN	18'	36'	9'	12.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	✓ 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204009SN	20'	40'	9'	13.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/1 <del>6" 6</del> x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD304009SN	30'	40'	9'	15.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD102010SN	10'	20'	10'	12.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSARD152010SN	15'	20'	10'	13.03'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202010SN	20'	20'	10'	13.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
	DSASD252510SN	25'	25'	10'	14.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203010SN	20'	30'	10'	14.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253010SN	25'	30'	10'	15.05'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSASD303010SN	30'	30'	10'	15.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183610SN	18'	36'	10'	13.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/1 <del>6"</del> 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204010SN	20'	40'	10'	14.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	✓ 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD304010SN	30'	40'	10'	16.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD102012SN	10'	20'	12'	14.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSARD152012SN	15'	20'	12'	15.03'	Pipe 5" x Sch 40	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202012SN	20'	20'	12'	15.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	<del>1/2" x 4</del> -1/2"	3" OD DOM 1/4" Wall
	DSASD252512SN	25'	25'	12'	16.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203012SN	20'	30'	12'	16.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253012SN	25'	30'	12'	17.05'	Pipe 8" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
X	DSASD303012SN	30'	30'	12'	17.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183612SN	18'	36'	12'	15.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204012SN	20'	40'	12'	16.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	ĦSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD304012SN	30'	40'	12'	18.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" × 6"	4" Sch-40

	Shade Number	Width (W)	Length (L)	Height (H)	Peak Height (P)	Steel Column	Steel Rafter	Steel Crown	Steel Strut	Cable Size	Strut Bolt (See Detail 16/S3)	
	DSASU121209SN	12'	12'	9'	11.42'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 11 Gauge	HSS 1.9" x 11 Gauge	<del>3/16" 7</del> x19	Ø 3/4"	
	DSASU121210SN	12'	12'	10'	12.42'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 11 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	Ø 3/4"	
	DSASU121212SN	12'	12'	12'	14.42'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 7 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	Ø 3/4"	
IRIC I	DSASU202009SN	20'	20'	9'	13.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	<b>∅1</b> "	
	DSASU202010SN	20'	20'	10'	14.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	Ø1"	
	DSASU202012SN	20'	20'	12'	16.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	Ø1"	

#### TABLE 2 : Shade Foundation

Style	<b>✓</b>	Shade Number	Base Plate Size (L x W)	Base Plate Thickness	Base Plate Weld Size (D)	Base Plate Anchor Bolt Hole Size ∅(S)	Base Plate Hole Offset (F)	Anchor Diameter	Anchor Number	Spread Footing Depth	Spread Foot Size	Spread Footing Reinforcement	Pier Footing Depth	Pier Footing Diameter	Pier Footing Reinforcement
		DSARD102009SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.5' x 3.5'	5 #5	5.75'	Ø <b>2'</b>	8 #6
		DSARD152009SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4' x 4'	6 #5	6.75'	Ø2'	8 #6
		DSASD202009SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	5.5' x 5.5'	7 #5	7.75'	<u> </u>	8 #6
		DSASD252509SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.5' x 6.5'	9 #5	9'	Ø 2.5'	10 #6
		DSARD203009SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	5.5' x 5.5'	7 #5	8.75	Ø 2.5'	10 #6
		DSARD253009SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' x 6.5'	9 #5	9.25'	Ø3'	12 #6
		DSASD303009SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.25' x 7.25'	10 #5	9.5'	Ø 3'	12 #6
		DSARD183609SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6' x 6'	8 #5	9.25'	Ø 3'	12 #6
		DSARD204009SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	6.5' x 6.5'	9 #5	10'	Ø3'	12 #6
		DSARD304009SN	26" x 26"	1 1/2"	5/16"	14/2"	3"	1 3/8"	8	3.0'	7.25' x 7.25'	10 #5	11'	Ø3'	12 #6
		DSARD102010SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.5' x 3.5'	5 #5	5.75'	Ø <b>2</b> '	8 #6
		DSARD152010SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4' x 4'	6 #5	6.75'	Ø <b>2</b> '	8 #6
		DSASD202010SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	5.75' x 5.75'	8 #5	7.75'	Ø <b>2</b> '	8 #6
		DSASD252510SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"		8	3.0'	6.5' x 6.5'	9 #5	9'	Ø <b>2</b> .5'	10 #6
Η		DSARD203010SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	5.75' x 5.75'	8 #5	8.75'	Ø <b>2</b> .5'	10 #6
エ		DSARD253010SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.25' x 6.25'	8 #5	9.25'	Ø3'	12 #6
		DSASD303010SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.25' x 7.25'	10 #5	9.75'	Ø3'	12 #6
		DSARD183610SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' × 6.5'	9 #5	9.5'	Ø3'	12 #6
		DSARD204010SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7' x 7'	9 #5	10'	Ø3'	12 #6
		DSARD304010SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.5' x 7.5'	10 #5	11'	Ø3'	12 #6
		DSARD102012SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.75' x 3.75'	5 #5	6'	Ø <b>2</b> '	8 #6
		DSARD152012SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4.5' x 4.5'	6 #5	7	Ø <b>2'</b>	8 #6
		DSASD202012SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	6.25' x 6.25'	8 #5	7.75'	<b>⊅2'</b>	8 #6
		DSASD252512SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.5' x 6.5'	9 #5	9'	$\phi$ 2.5	10 #6
		D8ARD203012SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.25' x 6.25'	8 #5	9'	Ø <b>2.5'</b>	10 #6
		DSARD253012SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' x 6.5'	9 #5	9.25'	Ø <b>3'</b>	12 #6
,	X	DSASD303012SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.5' x 7.5'	10 #5	9.75'	Ø3'	12 #6
		DSARD183612SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.75' x 6.75'	8 #5	10'	Ø3'	12 #6
		DSARD204012SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.25' x 7.25'	10 #5	10'	Ø3'	12 #6
		DSARD304012SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.5' x 7.5'	10 #5	11'	<i></i>	12 #6
4		DSASU121209SN	10" x 10"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	4' x 4'	6 #5	5.25'	<u> </u>	8 #6
		DSASU121210SN	12" x 12"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	4.25' x 4.25'	<del>6 #5</del>	5.5'	Ø <b>2'</b>	8 #6
EI		DSASU121212SN	14" x 14"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0	4.5' x 4.5'	6 #5	6'	Ø <b>2'</b>	8 #6
BR		DSASU202009SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	5.5' x 5.5'	7 #5	7'	Ø 2.5'	10 #6
UMBRE		DSASU202010SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	5.75' x 5.75'	8 #5	7.5'	Ø 2.5'	10 #6
		DSASU202012SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	6.25' x 6.25'	8 #5	8'	Ø 2.5'	10 #6

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DATE: 08/12/2024



SUPERIOR SHADE 150 Adamson Industrial Blvd. Carrollton, GA 30117

EFERENCE TABLES

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DATE: 9/21/2023

| September | Sept

S4 Sheet No.

Job Number:



#### FLAME RETARDANT

#### Fabric Registration

LICENSE NUMBER: F-037801

#### COMMERCIAL NINETYFIVE 340FR

**Product Marketed by:** 

**GALE PACIFIC LTD** 145 WOODLANDS DRIVE BRAESIDE, AUSTRAILIA 3195, ,

Expiration Date: 06/30/2024

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code. The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS published by the California State Fire Marshal.

Cwalker

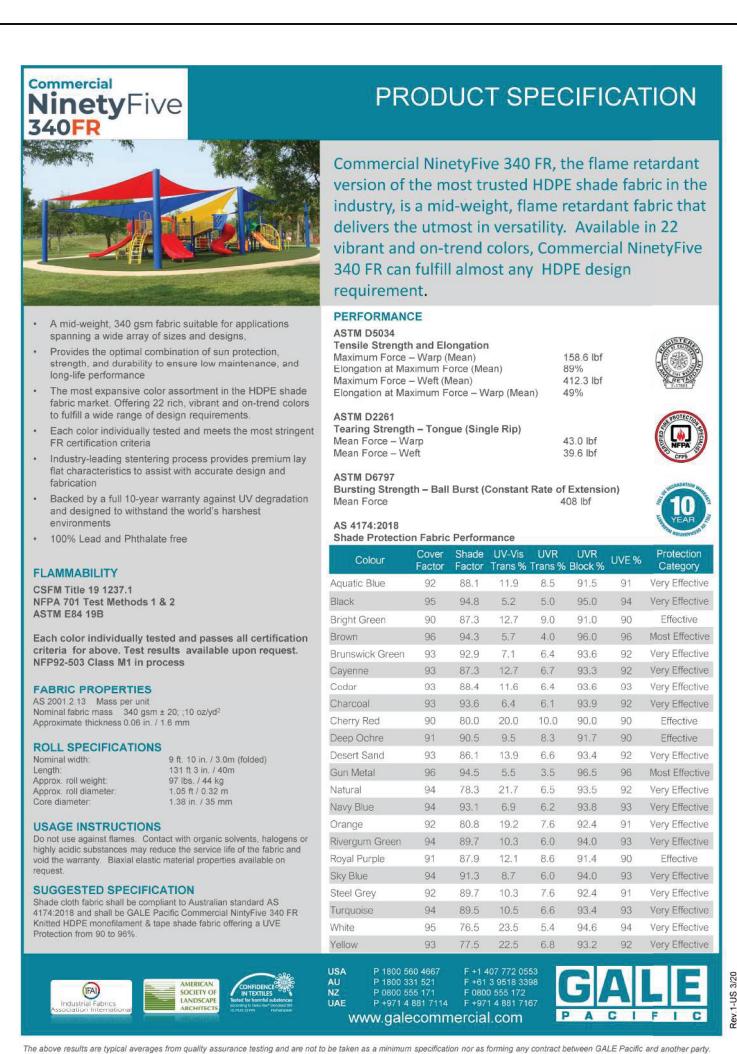
Issued By Cortney Walker Fire Engineering License Manager Fire Engineering & Investigations Division

Reviewed and Approved By Patricia Setter Deputy State Fire Marshal III Fire Engineering & Investigations Division

Issue Date: 04/18/2023

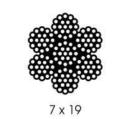
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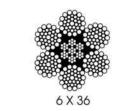
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#### 7X19 Stainless Steel Cable



iameter	Weight per	Nominal B.S. (Lbs)				
Inches)	100ft (Lbs)	AISI 302, 304	AISI 316			
3/16	6.50	3,700	3,210			
7/32	8.60	5,000	4,350			
1/4	11.00	6,400	5,600			
5/16	17.30	9,000	8,200			
3/8	24.30	12,000	11,000			





Diameter	Weight per	Nominal B.S. (Lbs)			
(Inches)	100ft (Lbs)	AISI 302, 304	AISI 316		
7/16	35.0	16,300	14,800		



Stainless Steel Wire Rope Clips Precision Cast Type 316

Size (mm)	Min Clips Required	Weight (Lbs)
5	3	0.08
6	3	0.09
8	3	0.19
10	3	0.38
12	4	0.53
16	4	0.90
20	5	1.06
	5 6 8 10 12 16	5 3 6 3 8 3 10 3 12 4 16 4



Stainless Steel Jaw & Jaw Turnbuckle
T316, Forged

1419 1 1 1221 1 1220
1/4 x 4 500 0.528
5/16 x 4-1/2 800 0.726
3/8 x 6 1,200 0.880
1/2 x 12 2,200 2.394
5/8 x 12 3,500 4.664
3/4 x 12 5,200 7.042
1 x 12 8,000 11.24

APP: 02-122466 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

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SUPERIOR SHADE 150 Adamson Industrial Blvd. Carrollton, GA 30117

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12/18/2022 8/16/2023

Job Number:

Sheet No.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC Application Number: School Name: School Instrict:  DSA File Number: Increment Number: Date Created:  ### Date Cr	DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC Table NDSA 7, Table 1705A.7 able 1705A.8 Application Number: School District:  DSA File Number: School District:  DSA File Number: Increment Number: Date Created:  Geotechnical Reports: Project has a geotechnical report, or CDs indicate soils special inspection is required by CE  \$1. GENERAL:  Test or Special inspection  Type Performed By Code References and Noise  Site has been prepared properly prior to phagment of controlled fill and/or excavalions for fundation of the controlled fill and/or excavalions are extended to proper offset and have reached proper materials.  - Foundation excavations are extended to proper offset and have reached proper materials.  - Multurials believe Tool Codings are adequate to achieve the design bening expection.  - So Journal Company of the State Analysis of the supervision of the geotechnical engineer.  - So Journal Company of the State Analysis of the supervision of the geotechnical engineer.  - So Journal Company of the State Analysis of the supervision of the geotechnical engineer.  - So Journal Company of the State Analysis of the supervision of the geotechnical engineer.  - So Journal Company of the State Analysis of the supervision of the geotechnical engineer.  - So Journal Company of the State Analysis of the supervision of the geotechnical engineer or LOPs engineering manager.  In such cases, the LOPs form DSA 27 shall satisfy the soil St and test reporting requirements for the exempt items.  - Devision of the State Analysis the soil St and test reporting requirements for the exempt items.  - Devision of the State Analysis the soil St and test reporting requirements for the exempt items.  - Devision of the State Analysis the soil St and test reporting requirements for the exempt items.  - Devision of the State Analysis the soil State of the supervision of a geotechnical engineer or LOPs engineering manager.  - In such cases, the LOPs form DSA 27 shall sating the soil test reporting require	DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC Table NgA,6, Table 1706A,7, Table 1706A,8 ApplicationNumber: School Name: School Name: School Name: School Name: School Name: School Name: Date Created:    S3. DRIVEN DEEP FOUNDATIONS (PILES):	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):  C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):  C4. SHOTCRETE (IN ADDITION TO SECTION C1):  C5. POST-INSTALLED ANCHORS:  DIVISION OF THE STATE ARCHITECT DGS Dea 103-22 (Revised 12/01/2022)  DEPARTMENT OF GENERAL SERVICES Page 4 of 10	SUPERIOR SH.  SU
DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC 1706A2. Table 1706A 2.1: AISC 303-16. AISC 341-16. AISC 358-16. AISC 350-16: AISI \$100-20. RCSC 2014: AWS D1.1. AWS D1.2. AWS D1.3. AWS D1.4. AWS D1.5. AWS D1.4. AWS D1.4. AWS D1.4. AWS D1.5. AWS D1.4. AWS D1.4. AWS D1.5. AWS D1.4. AWS D1.4. AWS D1.5. AWS D1.4. AWS D1.4. AWS D1.4. AWS D1.5. AWS D1.4. AWS D1.4. AWS D1.5. AWS D1.5. AWS D1.4. AWS D1.5.	DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC 1705A3, Table 1705A2.1. AISC 303-16. AISC 330-16. AISC 350-16. AISC 350-16. AISS \$100-20; RCSC 2014. AISD \$11. AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8 Application Number: School Name: School Name: School Name: School Name: School Name: Date Created:    SIAA. SHOP WELDING NA ADDITION TO SECTION S/A3):	DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC 1763-R2 1, Table 1765-R2 1: AISC 303-16, AISC 383-16, AISC 386-16, AISC 386-16, AISI \$100-20: RCSC 2014. AWS D1.1, AWS D1.3, AWS D1.3, AWS D1.4, AWS D1.8  Applicable Number:  School Name:  School District:  DSA File Number:  Date Created:    SJA9 ANCHOR BOLTS IND ANCHOR RODS:	Application Number: School Name: School District:  DSA File Number: Increment Number: Date Created:  Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.  SOILS:	EXAMPLE FORM I PRANIUFAC THE MANULFAC TO PRANIUS IS A SEPARATE TO PRANI
DNA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC Appliching Number: School Manne: DSA File Number: Increment Number: Date Created:  Manne of Architect or Engineer Symmetric change:  Manne of Architect or Engineer Symmetric change:  Manne of Structural Engineer (When vitrational abbigments bean distinguished).  Signature of Received and Received in Structural Engineer:  Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recognitions using secured electronic or diginal signatures.  DSA STAMP  DRIGOGO (SPRIE STATE ABOUNTED: 1035 (SPRIE STATE ABOU	DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022  ApproXigon Number: School Name: School District: DSA File Number: Increment Number: Date Created:  1. Solis Testing and Invention Laboratory Werified Report Form DSA 293  2. Structural Testing and Invention Laboratory Werified Report Form DSA 291  3. Concele Batch Plent Inspection: Laboratory Werified Report Form DSA 291  4. Shop Weiding Inspection: Laboratory Werified Report Form DSA 291  4. DSA 292  DEFARTMENT OF CHARGE STRUCTS  DEFARTMENT OF CHARGE STRUCTS  DOSSER VOJ 22 Severed 1261 VIZZZ  DEFARTMENT OF CHARGE STRUCTS  DOSSER VOJ 22 Severed 1261 VIZZZ  DEFARTMENT OF CHARGE STRUCTS  DOSSER VOJ 22 Severed 1261 VIZZZ  DEFARTMENT OF CHARGE STRUCTS  DOSSER VOJ 22 Severed 1261 VIZZZ  DEFARTMENT OF CHARGE STRUCTS  DOSSER VOJ 22 Severed 1261 VIZZZ  DEFARTMENT OF CHARGE STRUCTS  DOSSER VOJ 22 Severed 1261 VIZZZ  DEFARTMENT OF CHARGE STRUCTS  DOSSER VOJ 22 Severed 1261 VIZZZ  DEFARTMENT OF CHARGE STRUCTS  DEFARTMENT OF CHARGE STRUC		NOTE: THE EXAMPLE FORM DSA-103(s) SHOWN ON THIS	## Property of the control of the co

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