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0 1/4" 1/2" 1"



SACRAMENTO UNIFIED SCHOOL DISTRICT

3535 M ST.
SACRAMENTO, CA 95816

DAVID LUBIN ELEMENTARY SCHOOL - PC SHADE STRUCTURE

DSA APPROVAL JULY 29, 2025

ARCHITECTURAL SYMBOLS LEGEND

- DETAIL INDICATOR - REFERENCE & DETAIL INDICATOR - ITEM
- DETAIL INDICATOR - SECTION & DETAIL INDICATOR - SECTION ITEM
- SECTION INDICATOR - PARTIAL BUILDING/WALL & DETAIL INDICATOR - AREA
- SECTION INDICATOR - BUILDING
- ELEVATION INDICATOR - EXTERIOR
- ELEVATION INDICATOR - INTERIOR, SINGLE & MULTIPLE VIEW
- MATCH LINE INDICATOR
- REFERENCE GRID WITH REFERENCE GRID LINES
- REVISION INDICATOR & REVISION CLOUD
- ROOM IDENTIFIER WITH ROOM NAME & NUMBER
- ELEVATION INDICATOR - LEVEL & SPOT
- WINDOW OR LOUVER IDENTIFIER
- KEYNOTE INDICATOR
- PLAN NORTH & TRUE NORTH INDICATOR

LIST OF ARCHITECTURAL ABBREVIATIONS

	SEE UNITED STATES NATIONAL CAD STANDARD FOR ANY ABBREVIATIONS NOT LISTED BELOW.
&	AND
@	AT
(E)	EXISTING
'	FOOT, FEET
"	INCH(ES)
#	NUMBER
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT / ENGINEER
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACST	ACOUSTIC
AD	AREA DRAIN
ADC	AUTOMATIC DOOR CLOSER
ADO	AUTOMATIC DOOR OPERATOR
ADDL	ADDITIONAL
ADJ SHV	ADJUSTABLE SHELVING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ASSY	ASSEMBLY
BD	BOARD
BKG	BACKING
BLDG	BUILDING
BM	BEAM
BM	BENCHMARK
BOT	BOTTOM
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
BW	BOTH WAYS
C	CHANNEL
CAB	CABINET
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CEM	CEMENT
CEM PLAS	CEM PLASTER
CFLG	COUNTERFLASHING
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CI	CAST IRON
CJ	CONSTRUCTION JOINT / CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR / COLOR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUE / CONTINUOUS
COTG	CLEANOUT TO GRADE
CP	CONTROL PANEL
CPT	CARPET
CRS	COLD ROLLED STEEL
CSK	COUNTER SUNK
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	CENTER
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DHM	DETENTION HOLLOW METAL
DIA	DIAMETER
DIM	DIMENSION
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DWG	DRAWING
DWR	DRAWER
EA	EACH
EGSB	EXTERIOR GYPSUM SHEATHING BOARD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC / ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EPB	ELECTRICAL PANEL BOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FB	FLAT BAR
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FLG	FLOORING
FLL	FLOW LINE
FLR	FLOOR
FOC	FACE OF CONCRETE/CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FIREPROOF
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET / FOOT
FTG	FOOTING
FURRG	FURRING
FUT	FUTURE
G	GROUND; NATURAL GAS
GA	GAGE
GALV	GALVANIZED
GB	GRAB BAR
GI	GALVANIZED IRON
GLU LAM	GLUED LAMINATED WOOD
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HDBD	HARDBOARD
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
KIT	KITCHEN
L	ANGLE
LAB	LABORATORY
LAV	LAVATORY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MULL	MULLION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/	OVER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OFF	OFFICE
OGL	OBSCURE GLASS
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PAF	POWER ACTUATED FASTENER
PL	PROPERTY LINE; PLATE
PLAM	PLASTIC LAMINATE
PLB	PLUMB
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTN	PARTITION
PV	PHOTOVOLTAIC
QT	QUARRY TILE
R	RADIUS; RISER
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BAR
REF	REFERENCE
REF	REFRIGERATOR
REINF	REINFORCE / REINFORCING
REQD	REQUIRED
RESIL	RESILIENT
RM	ROOM
RO	ROUGH OPENING
RWD	REDWOOD
RWL	RAIN WATER LEADER
SAD	SEE ARCHITECTURAL DRAWINGS
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN
SDST	SELF DRIVING, SELF TAPPING
SHT	SHEET
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SLNT	SEALANT
SM	SHEET METAL
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SEWER; SERVICE SINK
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP CLG	SUSPENDED CEILING
SV	SHEET VINYL
SYMM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&G	TONGUE & GROOVE
TEL	TELEPHONE
THK	THICKNESS
TMH	TOP OF MANHOLE
TMPD	TEMPERED
TO	TOP OF
TOC	TOP OF CURB
TOF	TOP OF FRAME
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPO	TOPOGRAPHY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER/CABINET
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
VWF	VINYL WALL FABRIC
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WO	WHERE OCCURS
WP	WORKING POINT
WPM	WATERPROOF MEMBRANE
WSCT	WAINSCOT
WT	WEIGHT
WTR	WATER
WWR	WELDED WIRE REINFORCEMENT

GENERAL NOTES

1. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDED BUT NOT LIMITED TO;
   - TITLE 24 CCR, CALIFORNIA CODE REGULATIONS
   - TITLE 24 CCR, PART 1 - 2025 CALIFORNIA ADMINISTRATIVE CODE
   - TITLE 24 CCR, PART 2 - 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC)
   - TITLE 24 CCR, PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC)
   - TITLE 24 CCR, PART 4 - 2022 CALIFORNIA MECHANICAL CODE (CMC)
   - TITLE 24 CCR, PART 5 - 2022 CALIFORNIA PLUMBING CODE (CPC)
   - TITLE 24 CCR, PART 6 - 2022 CALIFORNIA ENERGY CODE
   - TITLE 24 CCR, PART 9 - 2022 CALIFORNIA FIRE CODE (CFC)
   - TITLE 24 CCR, PART 11 - 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
   - TITLE 24 CCR, PART 12 - 2022 CALIFORNIA REFERENCED STANDARDS
   - 2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
   - 2019 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
   - 2021 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS (CA AMENDED)
   - 2021 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS
   - 2019 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
   - 2018 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION (CA AMENDED)
   - 2022 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
   - 2013CA NFPA 25, INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CA AMENDED)
   - 2022 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED)
   - 2022 CBC CHAPTER 35 & CFC CHAPTER 80 (CA ADOPTED AMENDMENTS)
   - 2022 CBC/CFC CHAPTER 33 (FIRE SAFETY DURING CONSTRUCTION & DEMOLITION)
2. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE. REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, THE FOLLOWING:
   - LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
   - MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
   - ENVELOPE & PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE 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, & DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION / INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM & PASS THE REQD ACCEPTANCE CRITERIA.
   - PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES ETC. PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY ARCHITECT WHERE CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.
5. WHERE REQUIRED, ROOM OCCUPANCY CAPACITIES SHALL BE POSTED WITH THE REQUIREMENTS OF CALIFORNIA STATE FIRE MARSHAL & CBC 1004.9.
6. SPECIAL REQUIREMENTS: ASSUMED PROPERTY LINES & FIRE SEPARATION DISTANCE PER SHEET GL101; EMERGENCY VEHICLE ROAD ACCESS PER GL101
7. CHANGES TO, OR SUBSTITUTIONS ON, THE APPROVED DRAWINGS OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY THE SECTION 4-338 OF CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART I. (CAC 4-338) AND DSA IR A-6
8. A CLASS 2 "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONT INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SEC. 4-342, PART 1, TITLE 24, CCR.
9. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. SEE LIST OF DEFERRED SUBMITTAL ITEMS, THIS SHEET.
10. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
11. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
12. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN.
13. 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.

SHEET INDEX

GENERAL
G-001 COVER SHEET
G-011 GENERAL NOTES
GL101 CODE ANALYSIS & FIRE ACCESS SITE PLAN
GA101 ACCESSIBILITY SITE PLAN

CIVIL
C011 CIVIL GENERAL NOTES AND ABBREVIATIONS
CD101 DEMOLITION PLAN
CG101 GRADING PLAN
CP101 PAVING PLAN

ARCHITECTURAL SITE
AS101 OVERALL SITE PLAN
AS102 ENLARGED SITE PLANS

PC SHADE STRUCTURE
S1 GENERAL NOTES, SHEET INDEX, AND ADDITIONAL INFO
S2 FOUNDATION PLAN, ROOF PLAN, SECTION, AND DETAILS
S3 TABLES AND DETAILS

TOTAL SHEET COUNT: 13

GENERAL PROJECT NOTE : SENATE BILL 515 LIMITS THE COST OF COMPLYING WITH THE REQUIREMENT TO PROVIDE AN ACCESSIBLE PATH OF TRAVEL TO A FREE-STANDING, OPEN-SIDED SHADE STRUCTURE PROJECT THAT MEETS SPECIFIED REQUIREMENTS AND THAT IS ON A SCHOOL DISTRICT, COUNTY OFFICE OF EDUCATION, CHARTER SCHOOL, OR COMMUNITY COLLEGE CAMPUS TO 20% OF THE ADJUSTED CONSTRUCTION COST, AS DEFINED, OF THE SHADE STRUCTURE PROJECT.

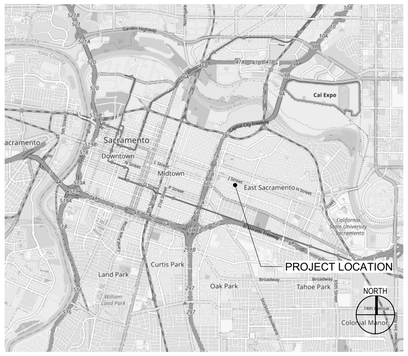
PROJECT DIRECTORY

OWNER
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE
SACRAMENTO, CA 95824
CONTACT: CHRIS RALSTON
PHONE: 916.643.7400
EMAIL: CHRIS-RALSTON@SCUSD.EDU

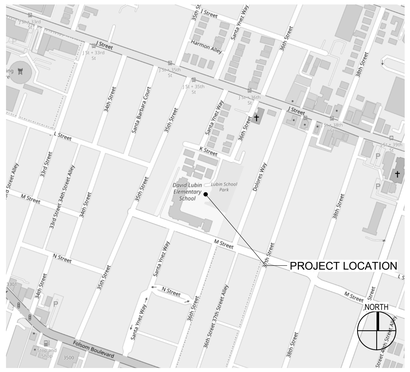
ARCHITECT
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2025 19TH STREET
SACRAMENTO, CA 95818
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PHONE: 916.558.1900
EMAIL: JENNIFER.QUIGLEY@LIONAKIS.COM

CIVIL ENGINEER
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
CONTACT: ANTHONY TASSANO
PHONE: 916.985.1870
EMAIL: ANTHONY@WCEINC.COM

LOCATION MAP



VICINITY MAP



SCOPE OF PROJECT

- NEW PC SHADE STRUCTURE PC A# 02-121471; SHADE STRUCTURE COMPLIES WITH DSA IR 31-1

DEFERRED SUBMITTALS

NONE

FLOOD HAZARD ZONE

ZONE X; AREA WITH REDUCED FLOOD RISK DUE TO LEVEE

DSA NOTE

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, OR CONSTRUCTION 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).

STATEMENT OF GENERAL CONFORMACE

APPLICATION NO.: 02-123567

PROJECT TRACKING NO. 67439-528

THE DRAWINGS IDENTIFIED AS FOLLOWS:

☒ ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE.

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS (PLANS) IN THIS STATE. THEY HAVE BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODEOF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2) COORDINATION WITH MY DRAWINGS (PLANS) AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

PER TITLE 24, PART 1, SECTION 4-316(B): THIS 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

Jennifer Quigley		07/29/2025
SIGNATURE OF ARCHITECT		DATE
JENNIFER QUIGLEY	C34138	11/30/2025
PRINTED NAME	LICENSE NUMBER	EXPIRATION DATE

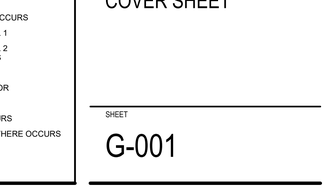
SHEET IDENTIFICATION LEGEND

DISCIPLINE DESIGNATORS - LEVEL 1

- G GENERAL
- H HAZARDOUS MATERIALS
- V SURVEY/MAPPING
- B GEOTECHNICAL
- C CIVIL
- L LANDSCAPE
- S STRUCTURAL
- A ARCHITECTURAL
- I INTERIORS
- Q EQUIPMENT
- F FIRE PROTECTION
- P PLUMBING
- D PROCESS
- M MECHANICAL
- E ELECTRICAL
- W DISTRIBUTED ENERGY
- T TELECOMMUNICATIONS
- R RESOURCE
- X OTHER DISCIPLINES
- Z CONTRACTOR/SHOP DRAWINGS
- O OPERATIONS

SHEET TYPE DESIGNATORS

- 0 - GENERAL
- 1 - PLANS
- 2 - ELEVATIONS
- 3 - SECTIONS
- 4 - LARGE SCALE VIEWS
- 5 - DETAILS
- 6 - SCHEDULES & DIAGRAMS
- 7 - USER DEFINED
- 8 - USER DEFINED
- 9 - 3D REPRESENTATIONS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/11/2025

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT
JENNIFER MARIE JOHNSON QUIGLEY
C34138
REN 11-30-25
STATE OF CALIFORNIA

PROJECT
DAVID LUBIN ELEMENTARY SCHOOL - PC SHADE STRUCTURE
3535 M ST.
SACRAMENTO, CA 95816

CLIENT
SACRAMENTO UNIFIED SCHOOL DISTRICT
5735 47th Ave, Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	07/29/2025	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO: 025015

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TITLE
COVER SHEET

SHEET
G-001

Autodesk Docs://025015 SCUSD LOLES Fencing/025015_ARCHIBSTR_SHADESTRUCTURE_CENTRAL.rvt
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IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT. SCALE ACCORDINGLY
0 1/4" 1/2" 1"

GENERAL NOTES

1. PRIOR TO THE PRE-BID DEADLINE FOR RFIS, CONTRACTORS PROVIDING A BID OR PRICE FOR THE WORK OF THESE CONSTRUCTION DOCUMENTS SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND REQUEST ADDITIONAL INFORMATION FOR PERCEIVED ISSUES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: (IF NO RFI DEADLINE IS PROVIDED, CONTACT THE OWNER AND ARCHITECT IMMEDIATELY)
   - DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS
   - CODE DEFICIENCIES
   - ERRORS
   - OMISSIONS
   - MATERIAL INCOMPATABILITY
   - ITEMS IN CONFLICT WITH CONTRACTOR'S EXPERIENCE
   - DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE CONSTRUCTION DOCUMENTS
   - CONSTRUCTABILITY ISSUES
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF CONSTRUCTION WORK PERFORMED BY SUBCONTRACTORS.
3. VERIFY AND CORRELATE DIMENSIONS DURING THE LAYOUT OF THE WORK. THE FOLLOWING GUIDANCE APPLIES TO DIMENSIONS USED ON THE CONSTRUCTION DRAWINGS:
   - USE DIMENSIONS INDICATED ON THE DRAWINGS
   - DO NOT SCALE FROM THE DRAWINGS
   - IMMEDIATELY NOTIFY THE ARCHITECT OF DISCREPANCIES OR OMISSIONS IN DIMENSIONS SHOWN ON THE DRAWINGS
4. PROVIDE INFILL MATERIALS TO MATCH ADJACENT EXISTING AND/OR NEW MATERIALS WHERE GAPS IN CONSTRUCTION OCCUR. INFILL MATERIALS SHALL MEET CURRENT CODE AND STRUCTURAL REQUIREMENTS. CONTACT ARCHITECT PRIOR TO INSTALLATION.
5. ADHERE TO THE STRICTEST REQUIREMENTS OF APPLICABLE CODES, INDUSTRY STANDARDS, OSHA AND EPA STANDARDS, DUST CONTROL REQUIREMENTS, AHJ REQUIREMENTS AND OTHER APPLICABLE REQUIREMENTS.
6. AT PROJECT CLOSEOUT PROVIDE THE OWNER WITH, AT A MINIMUM, THE FOLLOWING:
   - PROVIDE STANDARD PUBLISHED MANUFACTURERS WARRANTIES, EXECUTED IN THE NAME OF THE OWNER, FOR ELEMENTS PROVIDED DURING CONSTRUCTION. SEE SPECIFICATIONS FOR ADDITIONAL WARRANTY REQUIREMENTS
   - COMPLETE RECORD DRAWINGS IN DIGITAL FORMAT
   - DIGITAL COPY OF SUBMITTALS
   - REFER TO SPECIFICATIONS FOR ADDITIONAL CLOSEOUT REQUIREMENTS
7. EXPOSED WELDS ON THE PROJECT THAT ARE VISIBLE FROM WALKING SURFACES SHALL BE GROUND SMOOTH UNLESS STATED OTHERWISE.
8. RENDERED IMAGES AND 3D BIM CAPTURES IN THE CONSTRUCTION DOCUMENTS ARE ARTISTIC REPRESENTATIONS OF THE PROJECT AND ARE PROVIDED FOR GENERAL REFERENCE ONLY. DIFFERENCES MAY EXIST BETWEEN THESE ARTISTIC REPRESENTATIONS AND 2D REPRESENTATIONS IN THE CONTRACT DOCUMENTS. 2D REPRESENTATIONS TAKE PRECEDENCE.
9. PRODUCTS AND/OR SYSTEMS SPECIFIED OR DESCRIBED IN THE CONSTRUCTION DOCUMENTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR CODE REQUIREMENTS, WHICHEVER IS MORE STRINGENT. COORDINATE INSTALLATION OF PRODUCTS AND/OR SYSTEMS WITH ADJACENT PRODUCTS AND/OR SYSTEMS. THE INSTALLATION OF ADJACENT PRODUCTS AND/OR SYSTEMS SHALL NOT VOID THE INSTALLATION REQUIREMENTS AND/OR WARRANTY OF THE ADJACENT SYSTEM. OBTAIN PUBLISHED INSTALLATION INFORMATION FROM THE MANUFACTURER PRIOR TO EXECUTION OF WORK.
10. PROVIDE MATERIALS NECESSARY TO INSTALL PRODUCTS AND/OR SYSTEMS TO MEET MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION REQUIREMENTS AT EACH CONDITION. PROVIDE MATERIALS NECESSARY TO COMPLETE INTERFACE BETWEEN ADJACENT PRODUCTS AND/OR SYSTEMS. THIS INCLUDES MATERIALS NOT PART OF THE MANUFACTURER'S PRODUCT AND/OR SYSTEM THAT ARE REQUIRED FOR A COMPLETE AND CONTINUOUS INSTALLATION. MATERIALS AND INSTALLATION OF MATERIALS BETWEEN SPECIFIED PRODUCTS AND/OR SYSTEMS SHALL BE INSTALLED CONSISTENT WITH CONSTRUCTION STANDARDS FOR PROJECTS OF THIS TYPE AND SCOPE.
11. EXAMINE AND PREPARE SUBSTRATES TO RECEIVE INSTALLATION OF PRODUCTS AND/OR SYSTEMS PER MANUFACTURER'S REQUIREMENTS.
12. PRODUCTS AND/OR SYSTEMS TO BE PREPARED, INSTALLED, ADJUSTED, AND CLEANED PER MANUFACTURER'S RECOMMENDATIONS.
13. VERIFY EXISTING CONDITIONS, ELEVATIONS, LINES AND DIMENSIONS PRIOR TO COMMENCING WORK. REPORT DIMENSIONAL VARIATIONS OR OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK IN ACCORDANCE WITH REQUIREMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS.
14. VISIT THE SITE OF THE WORK, COMPARE THE DRAWINGS AND SPECIFICATIONS WITH ANY WORK BEING PERFORMED. FAILURE TO VISIT THE SITE SHALL IN NO WAY RELIEVE CONTRACTOR FROM THE NECESSITY OF FURNISHING MATERIALS OR PERFORMING WORK THAT MAY BE REQUIRED TO COMPLETE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
15. WARRANTY WORK TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF CERTIFICATION OF SUBSTANTIAL COMPLETION, EXCEPT WHERE A DIFFERENT PERIOD IS SPECIFICALLY STATED.
16. NO WORK SHALL BE COMMENCED UNTIL WRITTEN APPROVAL IS RECEIVED FROM THE ENFORCEMENT AGENCY.
17. THE ARCHITECT SHALL NOT BE IN CONTROL OF, OR HAVE CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR ACTS OR OMISSIONS OF THE CONTRACTOR, AND SHALL NOT BE RESPONSIBLE FOR NEGLIGENCE OR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. DISCREPANCIES OR CONFLICTS WITHIN CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE AFFECTED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND PROTECTION IN AND AROUND THE JOB SITE AND/OR ADJACENT PROPERTY. A COPY OF INSPECTION AND TEST REPORTS SHALL BE FORWARDED TO THE ARCHITECT. THE ARCHITECT SHALL BE NOTIFIED AT LEAST FIVE WORKING DAYS IN ADVANCE OF FIELD VISITS REQUESTED DURING CONSTRUCTION.
18. INSTALLER QUALIFICATIONS: A FIRM OR INDIVIDUAL EXPERIENCED IN INSTALLING, ERECTING, OR ASSEMBLING WORK SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THAT INDICATED FOR THIS PROJECT, AND WHOSE WORK HAS RESULTED IN CONSTRUCTION WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE.
19. IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITY OR QUALITY LEVELS, COMPLY WITH THE MOST STRINGENT REQUIREMENT.
20. CUTTING AND PATCHING: EMPLOY SKILLED AND EXPERIENCED INSTALLER TO PERFORM CUTTING AND PATCHING. SUBMIT WRITTEN REQUEST IN ADVANCE OF CUTTING OR ALTERING ELEMENTS AFFECTING STRUCTURAL INTEGRITY OF ELEMENT. EXECUTE CUTTING, FITTING, AND PATCHING INCLUDING EXCAVATION AND FILL, TO COMPLETE WORK, INCLUDING, BUT NOT LIMITED TO:
   - FIT SEVERAL PARTS TOGETHER, TO INTEGRATE WITH OTHER WORK.
   - UNCOVER WORK TO INSTALL OR CORRECT OUT OF SEQUENCE WORK.
   - REMOVE AND REPLACE DEFECTIVE AND NON-CONFORMING WORK.
   - REMOVE SAMPLES OF INSTALLED WORK FOR TESTING.
   - EXECUTE WORK BY METHODS TO AVOID DAMAGE TO OTHER WORK, AND TO PROVIDE PROPER SURFACES TO RECEIVE PATCHING AND FINISHING.
   - CUT MASONRY AND CONCRETE MATERIALS USING MASONRY SAW OR CORE DRILL.
   - MAINTAIN INTEGRITY OF WALL, CEILING, OR FLOOR CONSTRUCTION.
   - REFINISH SURFACES TO MATCH ADJACENT FINISHES.
   - REMOVE UNSUITABLE MATERIAL NOT MARKED FOR SALVAGE, INCLUDING ROTTED WOOD, CORRODED METALS, AND DETERIORATED MASONRY AND CONCRETE.
   - REMOVE DEBRIS AND ABANDONED ITEMS FROM AREA AND FROM CONCEALED SPACES.
   - REMOVE, CUT, AND PATCH WORK IN MANNER TO MINIMIZE DAMAGE AND TO PERMIT RESTORING PRODUCTS AND FINISHES TO ORIGINAL OR SPECIFIED CONDITION
21. PROTECT EXISTING VEGETATION, EQUIPMENT, STRUCTURES, UTILITIES, AND OTHER IMPROVEMENTS AT PROJECT SITE AND ON ADJACENT PROPERTIES, EXCEPT THOSE INDICATED TO BE REMOVED OR ALTERED. REPAIR DAMAGED EXISTING FACILITIES TO ORIGINAL CONDITION.
22. COORDINATE TEMPORARY UTILITY INSTALLATION AND SANITARY FACILITIES FOR USE DURING CONSTRUCTION WITH OWNER.
23. DISPOSAL OF WASTE: REMOVE WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN A MANNER ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. DO NOT ALLOW WASTE MATERIALS THAT ARE TO BE DISPOSED OF TO ACCUMULATE ON-SITE. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. DO NOT BURN WASTE MATERIALS.
24. FINAL CLEANING: PRIOR TO PROJECT FINAL COMPLETION, REMOVE DEBRIS AND SURFACE DUST, SWEEP HARD SURFACE FLOORS CLEAN, VACUUM CARPETS, LEAVE PROJECT IN CLEAN CONDITION.
25. THESE CONSTRUCTION DOCUMENTS ARE FOR THE EXCLUSIVE USE OF THE OWNER ON THIS PARTICULAR PROJECT. THE ARCHITECT SHALL NOT BE LIABLE FOR USE OF THE CONSTRUCTION DOCUMENTS BY ANOTHER PARTY FOR CONSTRUCTION OF ANY OTHER PROJECT. DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS FURNISHED BY THE ARCHITECT ARE INSTRUMENTS OF SERVICE. THE ARCHITECT AND OTHER DESIGN PROFESSIONALS FOR THIS PROJECT SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, IN THE INSTRUMENTS OF SERVICE PROVIDED BY THEM. SUBMISSION OR DISTRIBUTION OF THE ARCHITECT'S DOCUMENTS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR SIMILAR PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF ANY RESERVED RIGHTS.
26. MATERIALS, PRODUCTS, AND/OR SYSTEMS SHALL BE DELIVERED, HANDLED, AND STORED PER MANUFACTURERS RECOMMENDATIONS.
27. VERIFY DIMENSIONS OF EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS FOR AFFECTED WORK.
28. AT CLOSE OF PROJECT PROVIDE OWNER WITH ALL O&M MANUALS AND WARRANTIES IN 8-1/2" X 11" BINDER WITH CLEARLY ORGANIZED TABS. PROVIDE DIGITAL CLOSEOUT DOCUMENTS IF REQUIRED BY OWNER.
29. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SAFETY PLAN.

GENERAL DEMOLITION NOTES

1. NOT ALL DEMOLITION REQUIREMENTS ARE SHOWN ON ANY ONE SPECIFIC PAGE OR PAGES. REFER TO OTHER CONSTRUCTION DOCUMENTS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
2. PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF WORK INDICATED IN THE CONSTRUCTION DOCUMENTS.
3. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SIGNAGE, ETC. AS REQUIRED TO PROTECT THE GENERAL PUBLIC AND PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. PROVIDE ACCESS TO PERSONS APPROVED BY OWNER.
4. REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER BUILDING OR SITE ELEMENTS OR APPURTENANCES THAT ARE DAMAGED OR DEMOLISHED BUT ARE NOT INDICATED TO BE DEMOLISHED. PREVENT DAMAGE TO EXISTING ITEMS THAT ARE TO REMAIN.
5. PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
6. VERIFY THAT THE OWNER'S REPRESENTATIVE AND FACILITY USERS HAVE REMOVED OBJECTS OF THEIR CHOICE PRIOR TO THE COMMENCEMENT OF THIS PROJECT. VERIFY WITH THE OWNERS REPRESENTATIVE BEFORE REMOVING ANY ITEMS LEFT IN THE DEMOLITION AREA. OWNER RESERVES THE RIGHT OF FIRST REFUSAL TO RETAIN ITEMS INDICATED TO BE DEMOLISHED. DEMOLISHED ITEMS SHALL BE DISPOSED OF PROPERLY IN ACCORDANCE WITH THE SPECIFICATIONS. PRIOR TO DEMOLITION, VERIFY WITH OWNER ITEMS TO BE SALVAGED.
7. ENSURE AREAS OF WORK ARE CLEAN UPON COMPLETION OF DEMOLITION. DEBRIS REMOVED DURING DEMOLITION SHALL BE DISPOSED OF IN A SAFE AND LEGAL MANNER.
8. REMOVE ABANDONED PIPING, WIRING, EQUIPMENT, ETC. ENCOUNTERED DURING THE COURSE OF DEMOLITION BACK TO THE SCOPE OF WORK BOUNDARY UNLESS OTHERWISE NOTED.
9. HAZARDOUS MATERIALS ABATEMENT WORK SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE OWNER. THE ARCHITECT IS NOT RESPONSIBLE FOR SPECIFYING REQUIREMENTS FOR, OR CONSTRUCTION OBSERVATION OF, HAZARDOUS MATERIALS ABATEMENT WORK. THE OWNER SHALL PROVIDE SEPARATE DOCUMENTS REQUIRED FOR HAZARDOUS MATERIALS ABATEMENT WORK AND SEPARATE CONSTRUCTION OBSERVATION OF HAZARDOUS MATERIALS ABATEMENT WORK. CONTACT OWNER FOR ADDITIONAL INFORMATION.
10. VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION AND/OR CONSTRUCTION AND COORDINATE WITH REQUIREMENTS INDICATED ON THE DRAWINGS TO DETERMINE EXTENT OF DEMOLITION REQUIRED.
11. WHEN UNFORSEEN CONDITIONS THAT DEVIATE FROM THE CONSTRUCTION DOCUMENTS ARE ENCOUNTERED, PROMPTLY NOTIFY ARCHITECT OF EXTENT OF DEVIATIONS.
12. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED FACILITIES.
13. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY CONSTRUCTION AND AS INDICATED ON DRAWINGS.
14. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJACENT CONSTRUCTION.
15. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO MINIMIZE DAMAGE TO ADJACENT CONSTRUCTION. TEMPORARILY COVER OPENINGS TO REMAIN.
16. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID DAMAGING EXISTING FINISHED SURFACES.
17. REMOVE DECAYED, VERMIN-INFESTED, DANGEROUS, OR UNSUITABLE MATERIALS AND PROMPTLY DISPOSE OF OFF-SITE.
18. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS DAILY.
19. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE DEMOLITION OPERATIONS BEGAN.
20. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SAFETY PLAN.

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DATE: 08/11/2025

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C24138
REN 11-30-25
STATE OF CALIFORNIA

PROJECT
DAVID LUBIN ELEMENTARY SCHOOL - PC SHADE STRUCTURE

3535 M ST.
SACRAMENTO, CA 95816

CLIENT
SACRAMENTO UNIFIED SCHOOL DISTRICT

5735 47th Ave, Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	07/29/2025	DSA APPROVAL

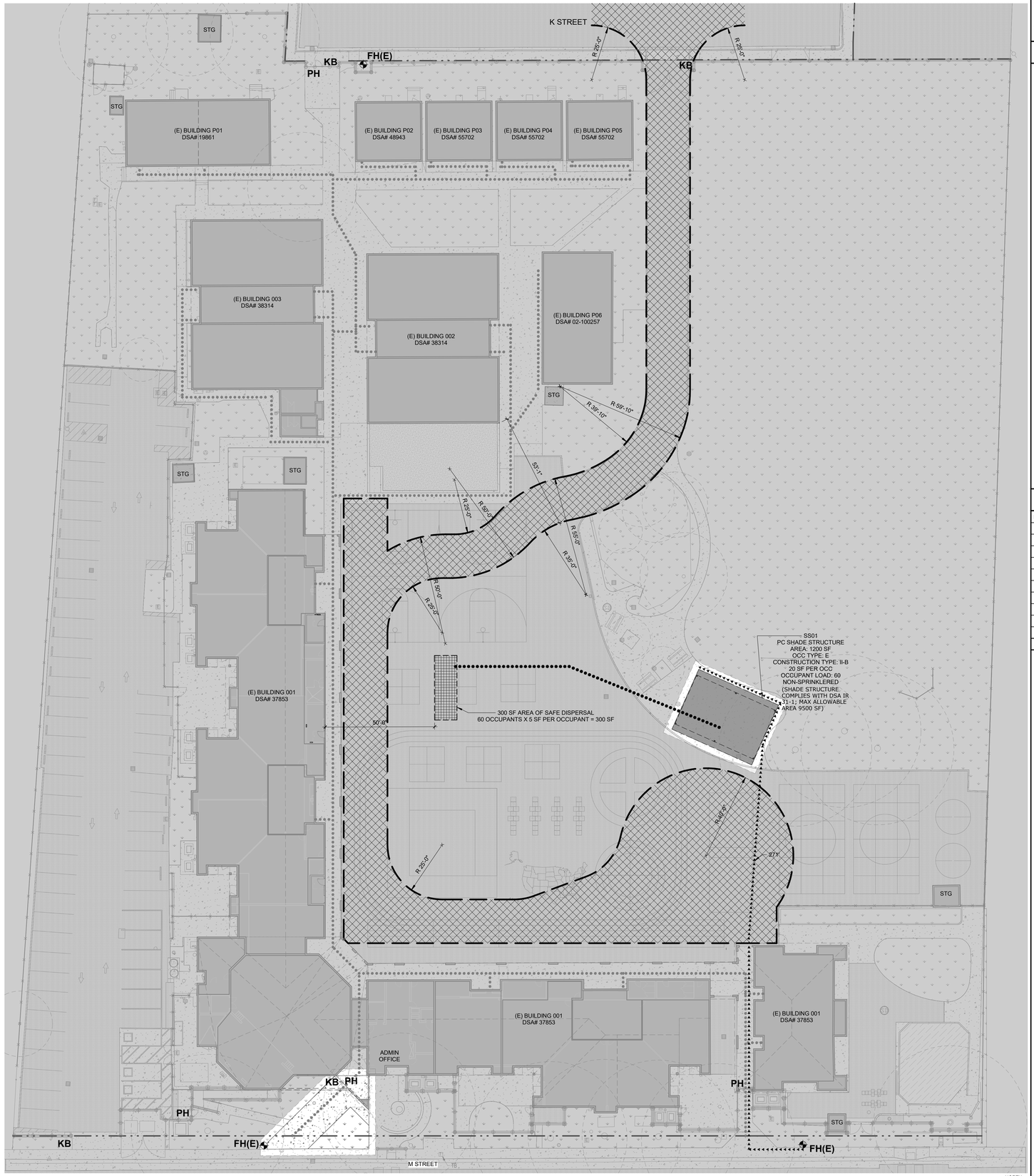
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TITLE
GENERAL NOTES

SHEET
G-011

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1 SITE PLAN - FIRE ACCESS
SCALE 1" = 20'-0"

GENERAL NOTES

1. SEE SHEET GA101 FOR ACCESSIBLE PATH OF TRAVEL
2. DIMENSIONS GIVEN TO ASSUMED PROPERTY LINE ARE FOR CODE ANALYSIS PURPOSES ONLY AND SHALL NOT BE USED TO LOCATE BUILDINGS FOR STAKING PURPOSES. SEE CIVIL DRAWINGS FOR EXACT BUILDING LOCATIONS
3. SEE AS101 FOR GROUND COVER LEGEND, FENCE TYPES, AND GATE NUMBERS

LEGEND

- EXIT DISCHARGE PATH TO PUBLIC WAY / SAFE DISPERSAL AREA (ACCESSIBLE)
- (E) EXIT DISCHARGE PATH TO PUBLIC WAY / SAFE DISPERSAL AREA (ACCESSIBLE)
- PROPERTY LINE
- PATH FROM HYDRANT / FIRE APPARATUS ACCESS ROAD TO BUILDING
- SCOPE OF WORK
- NEW BUILDING LOCATION
- (E) BUILDING LOCATION (NOT IN SCOPE)
- SAFE DISPERSAL AREA
- NEW FIRE APPARATUS ACCESS ROAD
  - WIDTH CLR: 20'-0"
  - HEIGHT CLR: 15'-6"
  - TURNING RADII (INSIDE): 25'-0"
  - TURNING RADII (OUTSIDE): 50'-0"
- **KB** KNOX BOX
- **FH(E)** (E) FIRE HYDRANT TO REMAIN
- **PH** PANIC HARDWARE

BUILDING NAMES & CODE INFORMATION

BLDG #	STATUS	DSA #	OCCUPANCY CLASSIFICATION	SPRINKLERED	CONST CLASS	STORY	AREA	OCC LOAD
001	(E)	37853	MIXED USE: NON-SEP - E / A-2	NO	V-B / V-A	1	26,750	968
002	(E)	38314	E	NO	V-B	1	4,371	188
003	(E)	38314	E	NO	V-B	1	4,377	188
P01	(E)	19861	E	NO	V-B	1	1,898	95
P02	(E)	48943	E	NO	V-B	1	762	37
P03	(E)	55702	E	NO	V-B	1	762	37
P04	(E)	55702	E	NO	V-B	1	762	37
P05	(E)	55702	E	NO	V-B	1	762	37
P06	(E)	02-100257	E	NO	V-B	1	1,837	91
SS01	NEW	02-123567	E	NO	II-B	1	1,200	60
						TOTAL	43,481	1,738

FIRE & LIFE SAFETY SITE CONDITIONS

PROJECT INFORMATION

School District/Owner:	Sacramento City Unified School District
Project Name/School:	David Lubin Elementary Fencing and PC Shade Structure
Project Address:	3535 M Street, Sacramento, CA 95816

FIRE & LIFE SAFETY INFORMATION

1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☐		No ■
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐		No ■
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 ■
	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 check, project design team must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

CONDITION MEANS AND METHODS RESOLUTION		Y	N	NA	NR
4.	Emergency vehicle access roadways do not meet CFC requirements.			■	
4a.	**Acceptable Alternative:** 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.			■	
5a.	**Acceptable Alternative:** 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.			■	
6a.	**Acceptable Alternative:** 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.			■	
7a.	Acceptable Alternative: The location of fire department connections 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 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)

LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer Signature: _____ Date: _____

Review Key: **"Y"** = Complies with LFA requirements **"N"** = Not Approved (complete Section B) **"NA"** = Not applicable to the project **"NR"** = LFA elects not to review

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PROJECT
DAVID LUBIN ELEMENTARY SCHOOL - PC SHADE STRUCTURE

3535 M ST.
SACRAMENTO, CA 95816

CLIENT
SACRAMENTO UNIFIED SCHOOL DISTRICT

5735 47th Ave, Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	07/29/2025	DSA APPROVAL

MANAGEMENT

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TITLE
CODE ANALYSIS & FIRE ACCESS SITE PLAN

SHEET
GL101

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1 SITE PLAN - ACCESSIBLE
SCALE 1" = 20'-0"

GENERAL NOTES

1. SEE SHEET **GL101** FOR FIRE SITE ACCESS PLAN.
2. DIMENSIONS GIVEN TO ASSUMED PROPERTY LINE LOCATIONS ARE FOR CODE ANALYSIS PURPOSES ONLY AND SHALL NOT BE USED TO LOCATE BUILDINGS FOR STAKING PURPOSES. SEE CIVIL DRAWINGS FOR EXACT BUILDING LOCATIONS.
3. ALL GATES ALONG SITE PATH OF TRAVEL SHALL COMPLY WITH CBC 1008.2.
4. ALL WALK SURFACES IN PATH OF TRAVEL SHALL HAVE FLUSH TRANSITIONS TO ALL ADJACENT WALK SURFACES IN PATH OF TRAVEL.
5. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" WIDE SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH, CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO MIN 80" AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT AND CONTRACTORS SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
6. THE PATH OF TRAVEL IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE PATH OF TRAVEL WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTION OF THE PATH OF TRAVEL THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTION OF HE PATH OF TRAVEL THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
7. DURING CONSTRUCTION, IF PATH OF TRAVEL ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
8. SEE AS101 FOR GROUND COVER LEGEND, FENCE TYPES, AND GATE NUMBERS

LEGEND

- ACCESSIBLE PATH OF TRAVEL
- (E) ACCESSIBLE PATH OF TRAVEL (DSA # 02-100257)
- PROPERTY LINE AND LIMITS OF ARCHITECTURAL SCOPE OF WORK
- SCOPE OF WORK
- NEW BUILDING LOCATION
- (E) BUILDING LOCATION (NOT IN SCOPE)
- SU_N STAFF GENDER NEUTRAL ACCESSIBLE RESTROOM (DSA # 02-105572) TOILET UPGRADES NOT INCLUDED AS A PART OF THIS PROJECT. EVALUATION THRESHOLD LIMITATIONS PER 11B-202.4; EXCEPTION 8
- B_N BOYS / MENS ACCESSIBLE RESTROOM (DSA # 02-105572) TOILET UPGRADES NOT INCLUDED AS A PART OF THIS PROJECT. EVALUATION THRESHOLD LIMITATIONS PER 11B-202.4; EXCEPTION 8
- G_N GIRLS / WOMENS ACCESSIBLE RESTROOM (DSA # 02-105572) TOILET UPGRADES NOT INCLUDED AS A PART OF THIS PROJECT. EVALUATION THRESHOLD LIMITATIONS PER 11B-202.4; EXCEPTION 8
- DF(E) (E) ACCESSIBLE HI-LO DRINKING FOUNTAIN (DSA # 02-105572) DF UPGRADES NOT INCLUDED AS A PART OF THIS PROJECT. EVALUATION THRESHOLD LIMITATIONS PER 11B-202.4; EXCEPTION 8

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5735 47th Ave, Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	07/29/2025	DSA APPROVAL

MANAGEMENT
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TITLE
ACCESSIBILITY SITE PLAN

SHEET
GA101

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EXISTING TOPOGRAPHY

- = PROPERTY LINE
- = CENTERLINE
- = EASEMENT
- = PROPERTY CORNER FOUND AS NOTED
- = PROPERTY CORNER NOTHING FOUND OR SET
- = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = SIGN
- = POST OR BOLLARD
- = GROUND ELEVATION
- = HARD SURFACE ELEVATION

EXISTING UTILITIES

- = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
- = STORM DRAIN LINE (RECORD INFORMATION)
- = STORM DRAIN LINE (UNDERGROUND LOCATING)
- = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- = AREA DRAIN
- = RAIN WATER LEADER
- = DOWNSPOUT
- = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- = SANITARY SEWER LINE (RECORD INFORMATION)
- = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- = WATER LINE (SIZE INDICATED)
- = WATER LINE (RECORD INFORMATION)
- = WATER LINE (UNDERGROUND LOCATING)
- = WATER MANHOLE
- = WATER VALVE
- = WATER METER
- = WATER BOX
- = IRRIGATION CONTROL VALVE
- = FIRE HYDRANT
- = BACKFLOW PREVENTER
- = SPRINKLER
- = HOSE BIBB
- = OVERHEAD ELECTRIC LINE
- = UNDERGROUND ELECTRIC LINE
- = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- = ELECTRIC METER
- = ELECTRIC BOX
- = STREET LIGHTING BOX
- = LIGHT STANDARD
- = SIGNAL LIGHT
- = FLOOD LIGHT
- = ELECTRICAL OUTLET
- = GAS LINE (SIZE INDICATED)
- = GAS LINE (RECORD INFORMATION)
- = GAS LINE (UNDERGROUND LOCATING)
- = GAS MANHOLE
- = GAS VALVE
- = GAS METER
- = TELEPHONE LINE
- = TELEPHONE LINE (RECORD INFORMATION)
- = TELEPHONE LINE (UNDERGROUND LOCATING)
- = STORM DRAIN BOX
- = TRAFFIC SIGNAL BOX

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
3	CPS CHISELED "+"	10045.32	9953.62	28.36
12	CPS CHISELED "+"	9545.74	10082.59	28.57
21	CPS PK+WASHER	9872.71	9719.87	28.04
22	CPS CHISELED "+"	9540.56	9704.14	26.98

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CJ	CONTROL JOINT
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EJ	EXPANSION JOINT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GB	GRADE BREAK
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PAD	BUILDING PAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SP	FIRE SPRINKLER SERVICE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD — STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- STORM DRAIN MANHOLE (SDMH)
- CATCH BASIN (CB)
- DROP INLET (DI)
- AREA DRAIN (AD)
- PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO — STORM DRAIN CLEANOUT
- 99.99 — ELEVATION
- FF=100.00 — FINISHED FLOOR ELEVATION
- PAD=99.33 — BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- TREE TO BE REMOVED
- RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

- 6" SS — SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
- SANITARY SEWER MANHOLE (SSMH)
- CO — SEWER CLEANOUT FLUSHER BRANCH

PROPOSED WATER SYMBOLS:

- 8" W — WATER LINE & SIZE
- 8" FS — FIRE LINE & SIZE
- 8" DW — DOMESTIC WATER LINE & SIZE
- 8" RW — RECLAIMED WATER LINE & SIZE
- 8" IRR — IRRIGATION SERVICE LINE & SIZE
- 8" NP — NON POTABLE WATER LINE & SIZE
- 8" SP — FIRE SPRINKLER SERVICE LINE & SIZE
- GATE VALVE
- M — WATER METER
- FH — FIRE HYDRANT ASSEMBLY
- FDC — FIRE DEPARTMENT CONNECTION
- DC — DETECTOR CHECK VALVE
- DDC — DOUBLE DETECTOR CHECK VALVE
- RP — REDUCED PRESSURE BACKFLOW PREVENTER
- BUTTERFLY VALVE
- 1" — AIR RELEASE VALVE + SIZE
- 1" — BLOW-OFF VALVE + SIZE
- PIV — POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
12. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.

811 Know what's below. Call before you dig.

2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.
24. AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
37. TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
38. WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
39. GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
40. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
41. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
42. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
43. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH 2 COATS OF SEALCOAT.
43. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
44. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
45. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS. —0.0% MAX.
46. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
47. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

    CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
    DIRECTION OF TRAVEL – 4.9%
    RAMP IN DIRECTION OF TRAVEL – 8.0%
    PLAZA 1.9% – IN ANY DIRECTION
48. THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1% MINIMUM AND 2% MAXIMUM.
49. TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.

SHEET INDEX

C011	CIVIL GENERAL NOTES AND ABBREVIATIONS
CD101	DEMOLITION PLAN
CG101	GRADING PLAN
CP101	PAVING PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/11/2025

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
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www.lionakis.com
CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J TASSANO
No. C74686
STATE OF CALIFORNIA
07/21/2025

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

SEAL

PROJECT
DAVID LUBIN ELEMENTARY SCHOOL - PC SHADE STRUCTURE

3535 M ST.
SACRAMENTO, CA 95816

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	04/23/2025	DSA APPROVAL

MANAGEMENT

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AGENCY

TITLE

CIVIL GENERAL NOTES AND ABBREVIATIONS

SHEET

C011

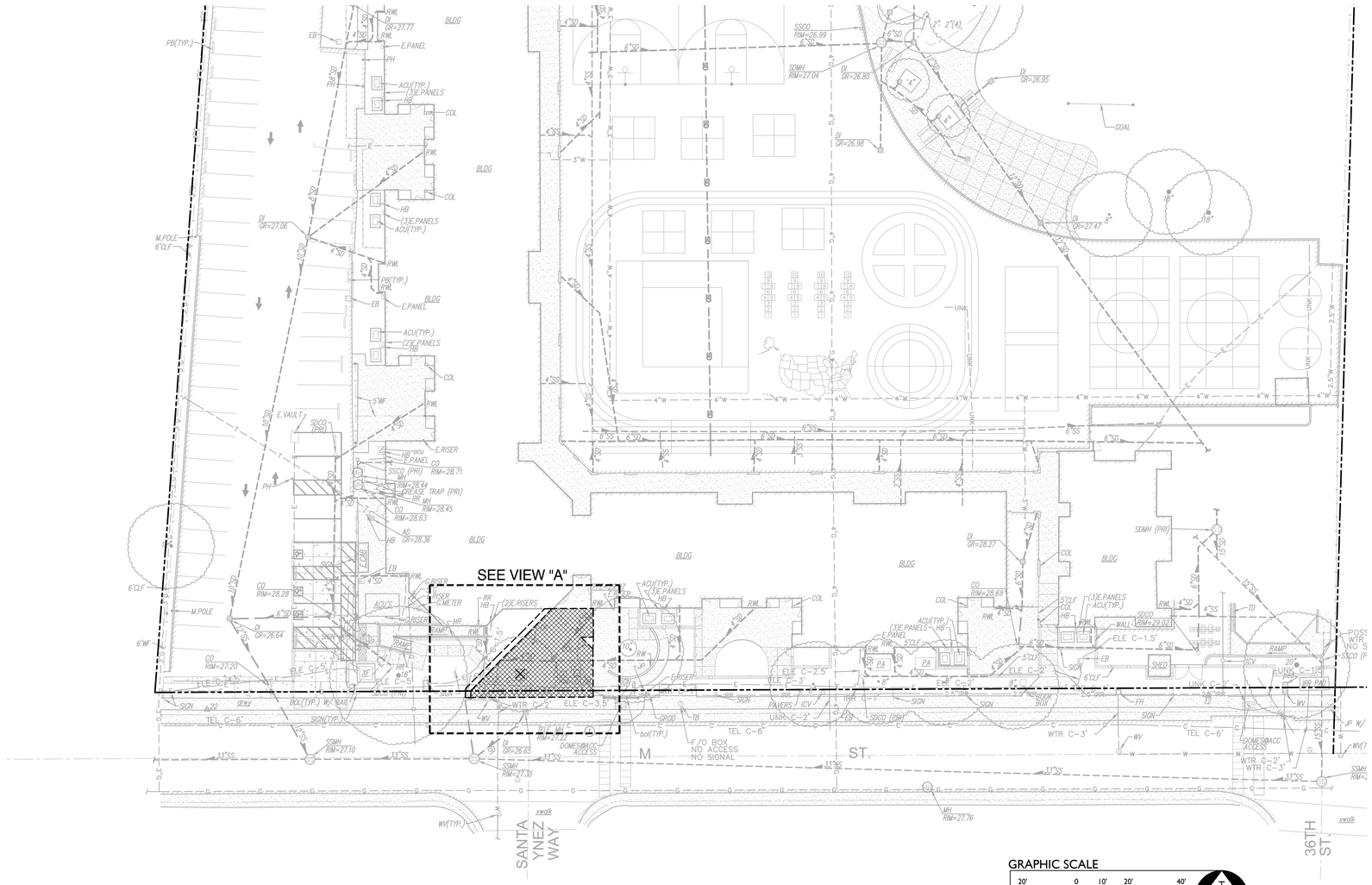
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IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT. SCALE ACCORDINGLY

0 1/4" 1/2" 1"



DEMOLITION NOTES

1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
2. REMOVE AND DISPOSE OF EXISTING TURF/VEGETATION AND ASSOCIATED IRRIGATION/SPRINKLERS IN CONFLICT WITH NEW WORK.
3. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
4. EXISTING UTILITIES TO REMAIN.
5. REMOVE EXISTING UTILITY BOX AND/OR FRAME AND COVER AND PROVIDE NEW. NEW BOX SHALL BE SIMILAR IN SIZE, BUT WITH TRAFFIC RATING AND SLIP RESISTANT COVER.
6. EXISTING FLAG POLE TO REMAIN.
7. EXISTING TREE TO REMAIN.

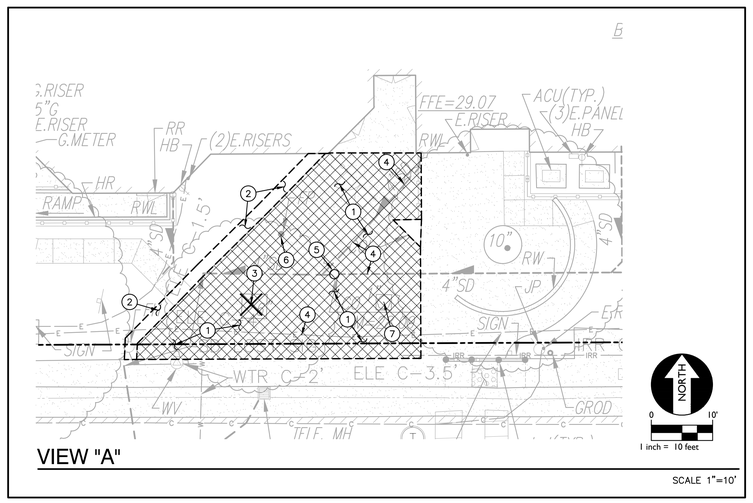
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20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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VIEW "A"

SCALE 1"=10'

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SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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MARK	DATE	DESCRIPTION
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MANAGEMENT

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AGENCY

TITLE

DEMOLITION PLAN

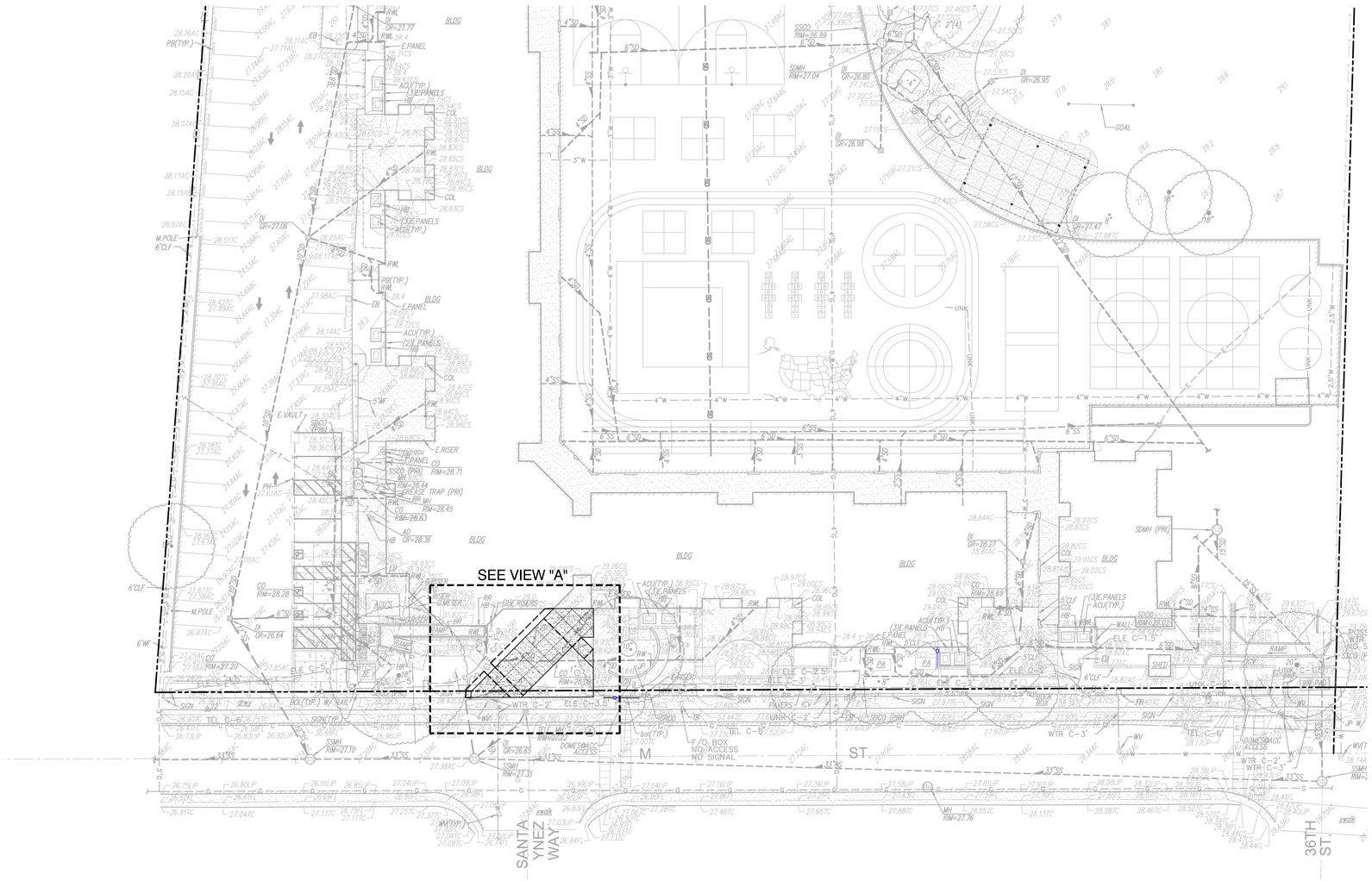
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CD101

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SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES:

   FOR AREAS TO RECEIVE CONCRETE AND ASPHALT PAVING, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 8 INCHES, MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. UPPER 8 INCHES OF SUBGRADE BENEATH ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.

GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. TURF/MULCH DAMAGED AND/OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH SOD AND/OR MATCHING MULCH. SPRINKLERS REMOVED/DAMAGED SHALL BE REPLACED TO ALLOW FOR PROPER IRRIGATION COVERAGE.

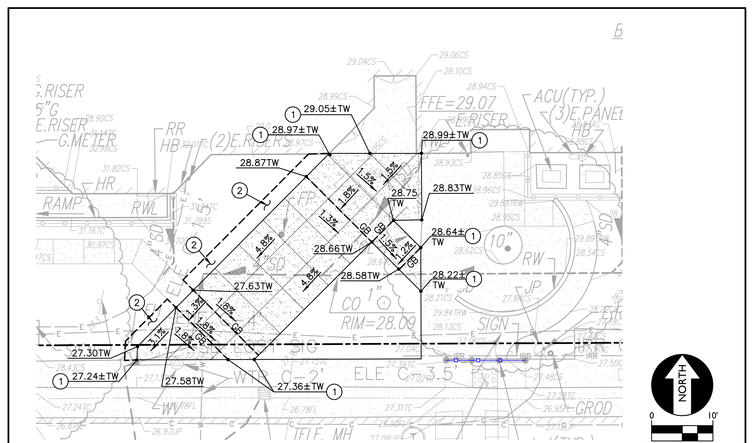
GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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VIEW "A"

SCALE 1"=10'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/11/2025

LIONAKIS

2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J TASSANO
No. C74686
STATE OF CALIFORNIA
07/21/2025

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

SEAL

PROJECT
DAVID LUBIN ELEMENTARY
SCHOOL - PC SHADE STRUCTURE

3535 M ST.
SACRAMENTO, CA 95816

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47th Ave Sacramento, CA 95824

ISSUED

MARK	DATE	DESCRIPTION
DSA	04/23/2025	DSA APPROVAL

MANAGEMENT

LIONAKIS PROJECT NO: 025015
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AGENCY

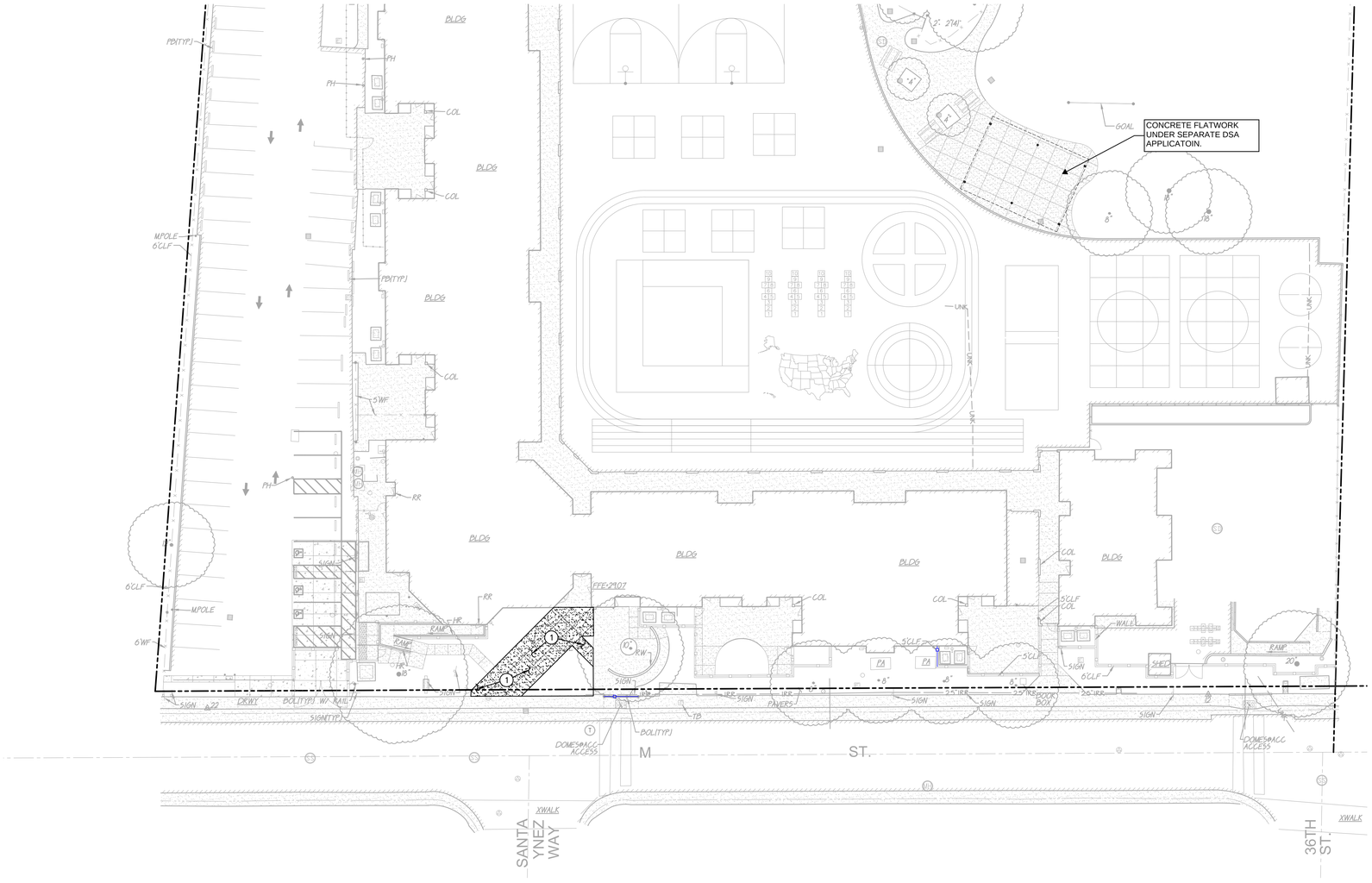
TITLE

GRADING PLAN

SHEET

CG101

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT. SCALE ACCORDINGLY
0 1/4" 1/2" 1"
I:\01#133_BIM_A-MASTER_R14_CENTRAL_mike.hoss.rvt
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PAVING GENERAL NOTES:

1. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
2. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
3. SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 1.0% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

   CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
   DIRECTION OF TRAVEL – 4.9%
   RAMP IN DIRECTION OF TRAVEL – 8.0%
   PLAZA 1.9% – IN ANY DIRECTION

5. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

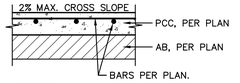
PAVING LEGEND

1 TYPE 1 PAVING

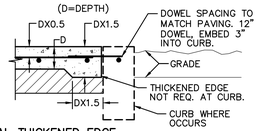
PLACE 5" PCC OVER 12" AB WITH #4 BAR AT 24" O.C.E.W. ON SUBGRADE COMPACTED PER PLAN AND PROJECT SPECIFICATIONS. (1 / CP101)

Concrete shall have 1" max. size aggregate, shall have 3000 psi min. at 28 day strength with a maximum water to cementitious ratio no greater than 0.50.

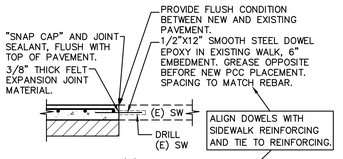
I.Reinforcement Bars: New billet steel deformed bars conforming to requirements of ASTM A615 or ASTM A706; Grade 60.
All reinforcing bar lap splices shall be staggered a minimum of 5 ft.



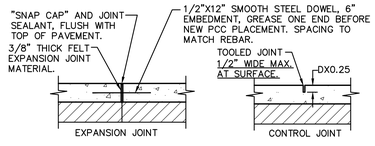
TYPICAL SECTION



TYPICAL THICKENED EDGE



CONNECTION TO (E) CONCRETE



TYPICAL JOINTS

NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 / CP101 CONCRETE SIDEWALK
NO SCALE

GRAPHIC SCALE

20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet

NORTH

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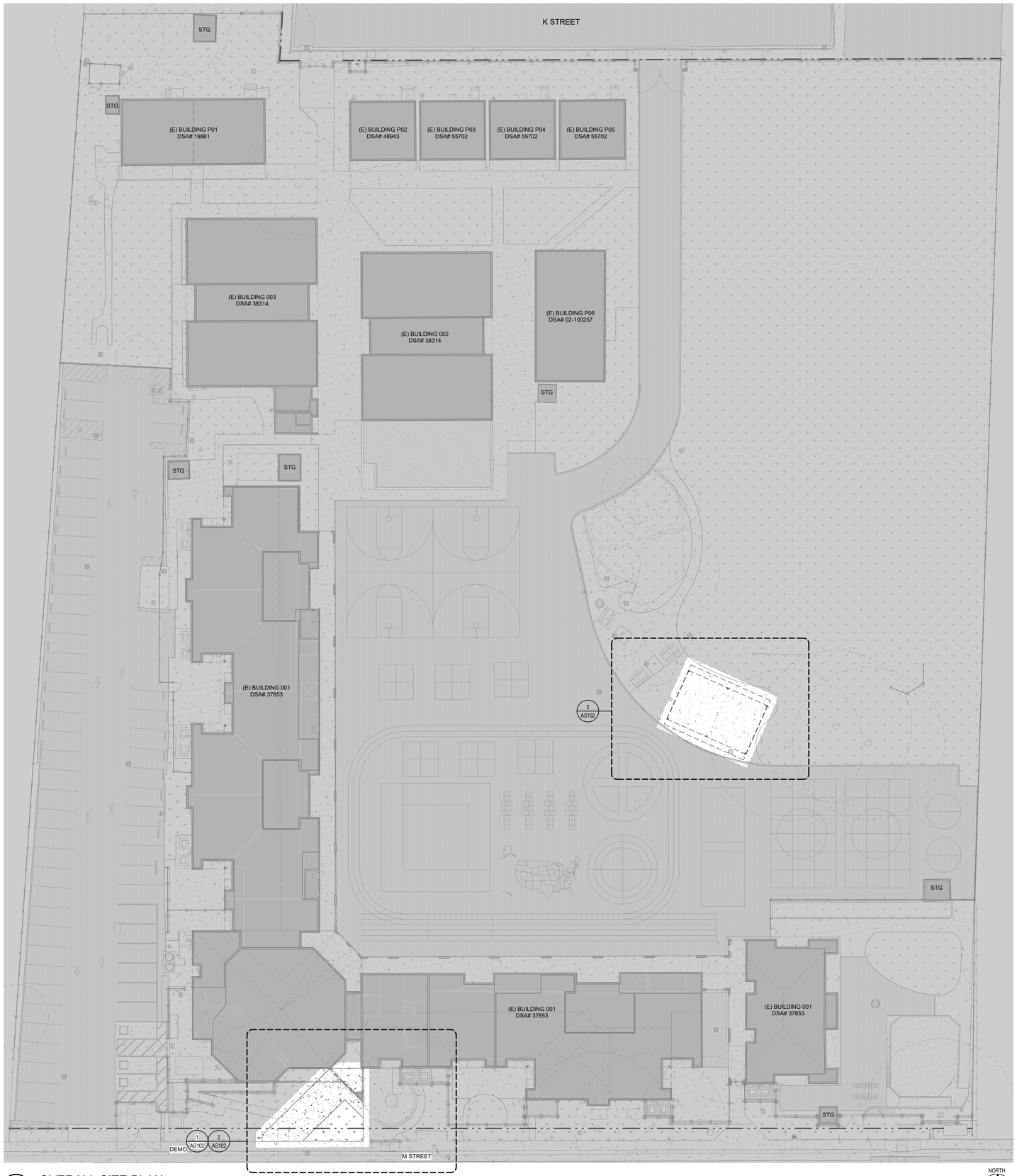
TITLE

PAVING PLAN

SHEET

CP101

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1 OVERALL SITE PLAN
SCALE 1" = 20'-0"

NORTH

GENERAL NOTES

A. GRAY LINES INDICATE EXISTING TO REMAIN OR REFERENCE

B. NOT ALL WORK SHOWN ON THIS SHEET; SEE BALANCE OF CONTRACT DOCUMENTS FOR FULL SCOPE OF WORK

C. SEE "SITE PLAN – ACCESSIBILITY" PLAN FOR SITE ACCESSIBILITY

D. SEE "SITE PLAN – FIRE ACCESS PLAN" FOR FIRE ACCESS

E. SEE GATE SCHEDULE FOR GATE WIDTH AND PANIC HARDWARE REQUIREMENTS

F. SEE "SITE PLAN – ACCESSIBILITY" FOR EXIT DISCHARGE ROUTES TO PUBLIC WAY OR SAFE DISPERSAL AREAS

H. PROVIDE CONCRETE MOW STRIP UNDER ALL FENCING AND GATES THROUGH SOFTSCAPE AREAS, UNO

I. ANYWHERE (E) TO REMAIN HARDSCAPE IS DISTURBED BY DEMOLITION OR NEW CONSTRUCTION, REPLACE HARDSCAPE; SEE CIVIL FOR HARDSCAPE SECTION INFORMATION

J. GATES IN FENCES MATCH FENCE TYPE UNO.

K. AT DECORATIVE GATES WITH PANIC BARS: INSTALL PREFINISHED PERFORATED METAL AT FULL CAMPUS SIDE OF GATE AT AND 24" MINIMUM ALONG ADJACENT FENCE EACH SIDE UNO.

L. AT CHAIN LINK GATES WITH PANIC BARS: INSTALL SLATS IN FULL WIDTH OF GATE AND 24" MINIMUM ALONG ADJACENT FENCE EACH SIDE UNO.

M. FIELD VERIFY SPOT ELEVATIONS PRIOR TO SETTING FINAL GRADES

N. AT HARDSCAPE ADJACENT TO BUILDING, PROVIDE A SLOPE OF 2% AWAY FROM BUILDING FOR AT LEAST 10 FEET FROM FACE OF WALL. AT SOFTSCAPE AREAS, PROVIDE A SLOPE OF 5% AWAY FROM BUILDINGS FOR AT LEAST 10 FEET FROM FACE OF WALL PER CBC. SEE CIVIL FOR SLOPE AND SPOT ELEVATIONS.

O. AT LOCATIONS WHERE (E) FENCE OR GATE POSTS TO BE DEMOLISHED ARE ATTACHED TO (E) WALLS TO REMAIN: INSTALL SILICONE SEALANT FULLY SEALING HOLE(S) IN SHEATHING UNDERNEATH (E) FINISH SURFACE; PATCH (E) HOLE IN FINISH SURFACE MATERIAL TO MATCH (E); AT EXTERIOR PLASTER LOCATIONS, PROVIDE FULL FINISH COAT TO MATCH (E) FINISH TEXTURE AT FULL AREA OF (E) REMOVED FENCE OR GATE POST MINIMUM; PAINT TO MATCH (E)

P. CONTRACTOR SHALL DEMO & TRANSPORT OFF SITE ALL ITEMS INCLUDED IN THE CONTRACT DOCUMENTS UNLESS NOTED OTHERWISE. THOSE ITEMS INCLUDE, BUT NOT LIMITED TO FENCING, GATES, LANDSCAPE, TREES & ROOTS, AND OTHER MATERIALS AS REQUIRED TO PERFORM NEW WORK. ALL AREAS ON DEMOLITION PLANS ARE FOR REFERENCE ONLY.

Q. CONTRACTOR SHALL PATCH AND REPAIR ALL ADJACENT AREAS AFFECTED BY DEMOLITION AS REQUIRED TO MATCH EXISTING CONDITIONS. ANYWHERE CONCRETE IS DISTURBED BY DEMOLITION, REPLACE CONCRETE IN KIND TO FULL FLAGS.

R. ALL AREAS ON DEMOLITION PLANS ARE FOR REFERENCE ONLY. CONTRACTOR IS EXPECTED TO FIELD VERIFY ALL AREAS TO DETERMINE SPECIFIC SCOPE FOR EACH ITEM.

S. ALL SAFEGUARDS MUST BE ADHERED TO DURING CONSTRUCTION AND DEMOLITION PER CFC & CBC CHAPTER 33.

T. SEE OTHER DISCIPLINES FOR ADDITIONAL DEMOLITION SCOPE NOT NOTED HERE.

U. CONTRACTOR SHALL COORDINATE HAZARDOUS MATERIAL ABATEMENT PROCESS WITH OWNER.

V. ALL WORK TO BE PROVIDED BY THIS CONTRACTOR UNLESS NOTED OTHERWISE.

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X. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

Y. PROVIDE CONSTRUCTION WASTE REDUCTION, DISPOSAL, AND RECYCLING AND DOCUMENTATION AS REQUIRED PER SECTION 5.408 OF CALGREEN

SITE PLAN LEGEND

- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) BUILDING WITH NO SCOPE OF WORK
- SOFTSCAPE
- ASPHALT
- CONCRETE
- PROPERTY LINE

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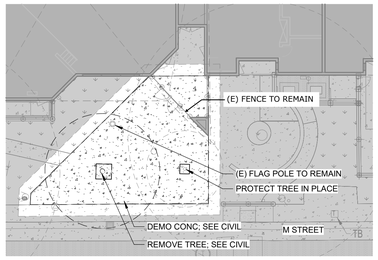
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TITLE
OVERALL SITE PLAN

SHEET
AS101

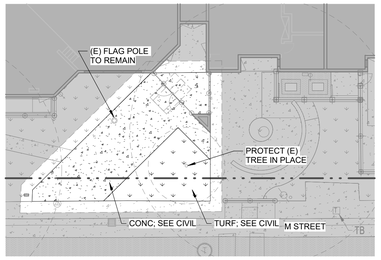
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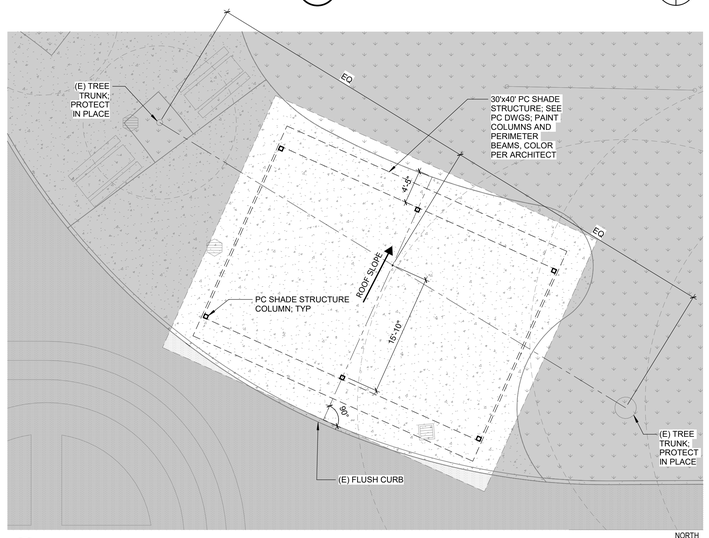
1 SITE DEMOLITION PLAN
SCALE 1/16" = 1'-0"

NORTH



2 ENLARGED SITE PLAN - SOUTH
SCALE 1/16" = 1'-0"

NORTH



3 ENLARGED SITE PLAN - PC SHADE STRUCTURE
SCALE 1/8" = 1'-0"

NORTH

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F. SEE "SITE PLAN – ACCESSIBILITY" FOR EXIT DISCHARGE ROUTES TO PUBLIC WAY OR SAFE DISPERSAL AREAS

G. FOR GATE / DOOR MANEUVERING CLEARANCES AT ALL ACCESS DOORS APPLICABLE TO PROJECT SCOPE OF WORK, SEE DETAIL **1/G-011**

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ENLARGED SITE PLANS

SHEET
AS102

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GENERAL NOTES

1. ALL DIMENSIONS, CONDITIONS AND ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK OR FABRICATION. IF ANY DISCREPANCIES ARE FOUND OR IF ANY CONDITION EXISTS NOT AS SHOWN ON THE DRAWINGS THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

2. THE CONTRACTOR WILL HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, THE ENGINEER, AND HIS CONSULTANTS, AND EACH OF THEIR OFFICERS AND EMPLOYEES AND AGENTS, FROM ANY AND ALL LIABILITY CLAIMS, LOSSES OR DAMAGE ARISING OR ALLEGED TO ARISE FROM THE PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, THE ENGINEER AND HIS CONSULTANTS, AND EACH OF THEIR OFFICERS AND EMPLOYEES AND AGENTS.

3. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE DESIGN INTENT. UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES.

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CONSTRUCTION SAFETY REQUIREMENTS OF O.S.H.A. AND ANY OTHER GOVERNMENTAL ENTITY HAVING JURISDICTION.

4. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON, OR NEAR THE CONSTRUCTION SITE.

5. ANY SUPPORT SERVICES PERFORMED BY THE ENGINEER OR HIS REPRESENTATIVES DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER WHETHER OF MATERIAL OR WORK AND WHETHER PERFORMED PRIOR TO, DURING, OR AFTER COMPLETION OF CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND SPECIFICATION, BUT THEY DO NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

6. ANY CHANGES TO THE APPROVED SET OF PLANS WITHOUT NOTIFYING THE ENGINEER PRIOR TO SUCH CHANGES ABSOLVES SAID ENGINEER FROM ANY AND ALL RESPONSIBILITY WITH RESPECT TO LIABILITY, DAMAGE OR EXTRA WORK RESULTING FROM SAID CHANGES.

7. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

8. THE TYPICAL DETAILS SHOWN ON THESE SHEETS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR OTHER SIMILAR WORK.

9. DESIGN LOADS: RISK CATEGORY II OR RISK CATEGORY III
ROOF LIVE LOAD: 20 PSF REDUCIBLE ROOF DEAD LOAD: 3 PSF
SNOW LOAD: Pg = Ps = 20 PSF & 30.5 PSF Ce = 1.1 Ct = 1.2 Cs = 1.0
Is = 1.0 RISK CATEGORY II Is = 1.1 RISK CATEGORY III ICE LOAD = 0 PSF

SEISMIC: I_E = 1.0 AT RISK CATEGORY II OR I_E = 1.25 AT RISK CATEGORY III

SEISMIC DESIGN CATEGORY = E ρ = 1.0

STRUCTURE IS A STEEL ORDINARY CANTILEVERED COLUMN SYSTEM (G2 PER ASCE7-16)
R = 1.25/0.7 (FOR WORKING STRESS)
Ωo = 1.25 Cd = 1.25
SOIL SITE CLASS = D
FOR 12.5' COLUMN HEIGHT T = 0.49
T > 0.5 SEC. FOR COLUMN HEIGHTS > 12.5'

BASE SHEAR: V = ρ x Cs x W
RISK CATEGORY II V = 0.56W (ASD) FOR S_{DS} = 1.0
RISK CATEGORY II V = 0.98W (ASD) FOR S_{DS} = 1.75
RISK CATEGORY III V = 0.70W (ASD) FOR S_{DS} = 1.00
RISK CATEGORY III V = 1.75W (ASD) FOR S_{DS} = 2.5

WIND LOAD: 110 MPH, EXPOSURE C RISK CATEGORY II OR RISK CATEGORY III
Kd = 0.85 Kz = 0.90 Kzt = 1.0Ke = 1.00

qh = 14.33 (qh = 0.00256 x Kz x Ke x Kzt x Kd x V^2 x 0.6 (FOR WORKING STRESS)) STRUCTURE IS DESIGNED FOR CLEAR & OBSTRUCTRED WIND FLOW.
MAXIMUM BASIC WIND LOAD FOR PROJECT LOCATED IN SPECIAL WIND REGIONS SHALL BE EQUAL TO OR LESS THAN 135 mph AND CONFORM WITH THE ADOPTED ORDINANCE OF THE CITY, COUNTY OR CITY AND COUNTY IN WHICH THE PROJECT SITE IS LOCATED AND SHALL BE APPROVED BY DSA-SS.

10. GOVERNING CODE: 2022 CBC

11. ALLOWABLE SOIL BEARING IS BASED ON 1500 PSF & 100 PCFx2 PASSIVE PRESSURE PER CBC TABLE 1806A.2 & SECTION 1806A.3.4. SKIN FRICTION IS PER 1810A.3.3.1.4 & IS EQUAL TO 1500/6=250 PSF. FOR UPLIFT SKIN FRICTION SHALL BE 125 PSF (S.F. OF 2). 1/3 INCREASE NOT USED FOR ANY SOIL VALUES.

12. ALL WORK TO BE PERFORMED UNDER THE CONTINUOUS INSPECTION OF A D.S.A. APPROVED INSPECTOR.

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

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

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

FOUNDATION NOTES

1. ALL FOOTINGS SHALL EXTEND TO FIRM BEARING IN UNDISTUBED SOIL OR ENGINEERED FILL.

2. NOMINAL TOP OF FLOOR SLAB ELEVATION = DATUM +0'-0" UNLESS OTHERWISE NOTED.

3. ANY EXISTING FILL AT THE BUILDING PAD SHALL MEET THE 92% COMPACTION REQUIREMENTS. ALL ORGANIC MATERIAL, RUBBLE, OR OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE.

4. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF EXTERIOR WALKWAYS.

5. ALL REINFORCING STEEL, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SECURELY POSITIONED IN THE FORMS PRIOR TO POURING OF CONCRETE.

6. SHORING AND BRACING: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DESIGN AND PROVIDE ADEQUATE SHORING, BRACING, AND FORM WORK AS REQUIRED FOR THE CONSTRUCTION OF THIS BUILDING. PROVIDE TEMPORARY BRACING AS REQUIRED TO HOLD THE VARIOUS ELEMENTS IN PLACE UNTIL FINAL SUPPORT IS SECURELY ANCHORED.

7. EXCAVATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION PROCEDURES AND FOR PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT.

8. BACKFILL: DO NOT BACKFILL AROUND THE EXTERIOR PERIMETER WALL UNTIL AFTER THE WALLS ARE SUPPORTED BY THE COMPLETION OF INTERIOR FLOOR SYSTEMS. IF THE FLOOR SLABS ARE CONCRETE, DO NOT BACKFILL UNTIL 7 DAYS MINIMUM AFTER COMPLETION OF THE FLOOR SLABS. DO NOT BACKFILL UNTIL AFTER COMPLETION AND INSPECTION OF DAMP-PROOFING.

CONCRETE NOTES

1. ALL MOLDS, ORNAMENTS, GROOVES, ETC. SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE PROVIDED FOR IN THE FORM WORK BEFORE THE CONCRETE IS POURED.
2. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS AND OTHER EMBEDS SHALL BE IN PLACE AND SECURED TO FORM WORK PRIOR TO POURING OF CONCRETE.
3. REFER TO BOTH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF PLUMBING FIXTURES.
4. NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE WALLS OR STRUCTURAL SLABS UNLESS SPECIFICALLY DETAILED.
5. CONSTRUCTION JOINTS NOT INDICATED ON THE DRAWINGS SHALL BE SO MADE AND LOCATED AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE. PROVISION SHALL BE MADE FOR TRANSFER OF SHEAR AND OTHER FORCES THROUGHOUT THE JOINTS. THE CONTRACTOR SHALL OBTAIN THE ARCHITECTS APPROVAL OF CONSTRUCTION JOINT LOCATION IN ALL STRUCTURAL SLAB, BEAMS AND SHEAR WALLS.
6. SIDES OF FOOTINGS MAY BE POURED AGAINST STABLE EARTH.
7. THE QUALITY AND DESIGN OF CONCRETE SHALL COMPLY WITH TITLE 24 PART 2 EXCEPT ITEMS NOT SPECIFICALLY COVERED THEREIN SHALL CONFORM TO ACI 318.
8. ALL REINFORCING SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A615.
   A. #4 BARS AND SMALLER....... GRADE 40 OR 60
   B. #5 BARS AND LARGER.........GRADE 60
   C. SEPARATE BARS 1-1/2 DIAMETERS CLEAR OR 1-1/2" CLEAR, WHICHEVER IS LARGER.
9. MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:
   CAST AGAINST EARTH (EXCEPT SLABS ON GRADE)..........3"
   SLABS ON GRADE..........1-1/2"
   EXPOSED TO EARTH OR WEATHER
   #5 BARS AND SMALLER..........1-1/2"
   #6 BARS AND LARGER..........2"
   NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
   SLABS, WALLS, JOISTS
   #11 BARS AND SMALLER..........3/4"
   #14 AND #18 BARS..........1-1/2"
   BEAMS, GIRDERS, COLUMNS
   PRINCIPAL REINFORCING, TIES
   STIRRUPS, OR SPIRALS..........1-1/2"
   SHELLS AND FOLDED PLATE MEMBERS
   #5 BARS AND SMALLER..........1/2"
   #6 BARS AND LARGER..........3/4"
10. CONCRETE SHALL HAVE FOLLOWING MINIMUM REQUIRMENTS FOR THE FOLLOWING EXPOSURE CATEGORIES & CLASSES.
   F0- 3000 PSI AT 28 DAYS & MAXIMUM WATER TO CEMENT RATIO OF 0.5.
   F2- 4500 PSI AT 28 DAYS & MAXIMUM WATER TO CEMENT RATIO OF 0.45 & VERIFY COMPLIANCE W/ ACI TABLE 19.3.3.1.
11. THE ENGINEER DOES NOT PROVIDE CONTRACT ADMINISTRATION FOR THE PROJECT, INCLUDING REVIEW OF CONCRETE MIXES.
12. PER ACI SECTION 19.3.2.1. FOOTING SHALL NOT BE EXPOSED TO FREEZING AND THAWING CYCLES, SHALL NOT BE EXPOSED TO WATER-SOLUBLE SULFATE IN SOIL BY PERCENT OF MASS 20.10%, SHALL NOT BE EXPOSED TO EXTERNAL SOURCE OF CHOLORIDES.
13. CEMENT SHALL COMPLY W/ ASTM C150 AND AGGREGATE SHALL COMPLY W/ ASTM C33.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL EXCEPT W SHAPES SHALL CONFORM TO ASTM A-36 AND SHALL BE FABRICATED AND ERECTED AS PER AISC SPECIFICATIONS FOR BUILDINGS. W SHAPES SHALL CONFORM TO ASTM A992.
2. STRUCTURAL PIPE SHALL CONFORM TO ASTM A-53 GRADE "B" AND STRUCTURAL TUBING SHALL CONFORM TO ASTM A-500 GRADE "B", Fy=46KSI.
3. ALL LIGHT GAGE STEEL TO CONFORM TO ASTM A653 GRADE 55 FOR ALL STRUCTURAL SHAPES, A653 GRADE 33 FOR ALL BLOCKING, FLASHINGS, MISCELLANEOUS CONNECTION PLATES, AND ANGLES.
4. ALL UNFINISHED BOLTS SHALL BE ASTM A-307 UNLESS NOTED OTHERWISE.
5. USE AISC USUAL GAGES FOR BOLT HOLES IN ALL STEEL SECTIONS UNLESS OTHERWISE NOTED.
6. THE STEEL FABRICATOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING FOR ERECTION.
7. ALL BOLT HOLES ARE TO BE 1/16" OVERSIZED. ALL BOLTS SHALL HAVE WASHERS INSTALLED UNDER BOTH HEAD & NUT. SELF DRILLING SCREWS SHALL BE PER ESR-1976 OR EQUAL.
8. ALL STEEL SHALL BE PROTECTED FROM WEATHER AS FOLLOWS: STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED (MIMIMUN ASTM A123 OR A153, CLASS D) OR PAINTED WITH ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT; OR EQUIVALENT PAINT SYSTEM. COLD-FORMED STEEL MEMBERS SHALL BE 55% ALUMINUM-ZINC ALLOY COATED PER ASTM A792/A792M STANDARD IN ACCORDANCE TO AISI S200 TABLE A4-1, CP 90 COATING DESIGNATION.

   ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/RODS, SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT-DIP GALVANIZED (ASTM A153, CLASS D MINIMUM), OR PROTECTED WITH CORROSION-PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT. (EXAMPLE PROPRIETARY COATINGS THAT DO COMPLY WITH THE 1,000 HOUR REQUIREMENT INCLUDE BUT ARE NOT NECESSARILY LIMITED TO: QUIK GUARD BY SIMPSON, KWIK-COTE BY HILTI, STALGARD BY ELCO, VISTACORR BY SFS INTEC, ETC.)

GOVERNING CODES:

1. 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
2. 2022 CALIFORNIA BUILDING CODE, VOLUMES 1 & 2 (PART 2, TITLE 24, CCR).
3. 2022 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR).
4. 2022 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR).

NOTES

1. COVERS ARE NOT DESIGNED TO BE ENCLOSED OR FOR STORAGE OF COMBUSTIBLE MATERIALS.
2. WALKWAY COVER HAS BEEN CHECKED FOR CLEAR & OBSTRUCTED WIND FLOW CONDITION & CAN BE WITHIN 6" MIN. FROM AN EXISTING BUILDING.
3. WALKWAY PIER FOOTING HAS BEEN CHECKED FOR D.S.A. BULLETIN 09-06 REV..
4. ALL WORK SHALL COMPLY WITH C.F.C. CHAPTER 33 DURING CONSTRUCTION.

TESTING & INSPECTIONS REQUIRMENTS

1. INSPECTOR CLASS (MINIMUM REQUIREMENTS)
   CLASS 2
2. SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY
   BY THE SCHOOL DISTRICT AND APPROVED BY D.S.A., A/E OF RECORD AND STRUCTURAL ENGINEER
3. COST OF THE PROJECT INSPECTOR (CA ADMIN. CODE 4-333(B) AND TESTING AGENCY (CA ADMIN. CODE 4-335)
   BY THE SCHOOL DISTRICT
4. COPIES OF THE REPORT TO
   ARCHITECT; STRUCTURAL ENGINEER; SCHOOL DISTRICT; D.S.A. (ORIGINAL); IOR; MANUFACTURER

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

1. PER TITLE 24, PART 1, SECTION 4-316 (D & E) OF THE CALIFORNIA CODE OF REGULATIONS, THE DISTRICT SHALL HIRE AN ARCHITECT OR STRUCTURAL ENGINEER TO BE IN GENERAL RESPONSIBLE CHARGE OF SITE SPECIFIC PROJECT.
2. FOR SITE SPECIFIC PROJECT GERARD HOMER & ASSOCIATES IS NOT THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
3. FOR SITE SPECIFIC PROJECT GERARD HOMER & ASSOCIATES RESPONSIBILITY IS LIMITED TO THE PREPARATION OF PLANS AND SPECIFICATIONS FOR A PORTION OF THE PROJECT AS DESIGNED BY THE ARCHITECT FOR INCORPORATION INTO THE PROJECT.
4. STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM GERARD HOMER & ASSOCIATES RESPONSIBILITY FOR SITE SPECIFIC PROJECT.

SHADE STRUCTURE TESTING & INSPECTION GUIDELINE

THE DSA-103 GUIDELINES SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

DSA 103-22 LIST OF STRUCTURAL TESTS & SPECIAL INSPECTIONS – 2022 CBC

IMPORTANT: THIS FORM IS ONLY A SUMMARY LIST OF STRUCTURAL TESTS AND SOME OF THE SPECIAL INSPECTIONS REQUIRED FOR THE PROJECT. GENERALLY, THE STRUCTURAL TESTS AND INSPECTIONS NOTED ON THIS FORM ARE THOSE THAT WILL BE PERFORMED BY THE GEOTECHNICAL ENGINEER OF RECORD, LABORATORY OF RECORD, OR SPECIAL INSPECTOR. THE ACTUAL COMPLETE TEST AND INSPECTION PROGRAM MUST BE PERFORMED AS DETAILED ON THE DSA APPROVED DOCUMENTS. THE APPENDIX AT THE BOTTOM OF THIS FORM IDENTIFIES WORK NOT SUBJECT TO DSA REQUIREMENTS FOR SPECIAL INSPECTION OR STRUCTURAL TESTING. THE PROJECT INSPECTOR IS RESPONSIBLE FOR PROVIDING INSPECTION OF ALL FACETS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, SPECIAL INSPECTIONS NOT LISTED ON THIS FORM SUCH AS STRUCTURAL WOOD FRAMING, HIGH-LOAD WOOD DIAPHRAGMS, COLD-FORMED STEEL FRAMING, ANCHORAGE OF NON-STRUCTURAL COMPONENTS, ETC., PER TITLE 24, PART 2, CHAPTER 17A (2022 CBC).

**NOTE: UNDEFINED SECTION & TABLE REFERENCES FOUND IN THIS DOCUMENT ARE FROM THE CBC, OR CALIFORNIA BUILDING CODE.

NOTE: REFERENCES ARE TO THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) UNLESS OTHERWISE NOTED.

TEST OR SPECIAL INSPECTION
SOILS
S1. GENERAL:
a. VERIFY THAT: SITE HAS BEEN PREPARED PROPERLY PRIOR TO PLACEMENT OF CONTROLLED FILL AND/OR EXCAVATIONS FOR FOUNDATIONS. FOUNDATION EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS);
a. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PIER.
b. VERIFY PIER LOCATIONS, DIAMETERS, PLUMBNESS & LENGTHS. RECORD CONCRETE OR GROUT VOLUMES.
c. CONCRETE PIERS
CONCRETE
C1. CAST IN PLACE CONCRETE
MATERIAL VERIFICATION AND TESTING:
a. VERIFY USE OF REQUIRED DESIGN MIX.
b. IDENTIFY, SAMPLE & TEST REINFORCING STEEL.
c. DURING CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, SLUMP & AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.
d. TEST CONCRETE (COMPRESSION). f'c
e. BATCH PLANT INSPECTION – PERIODIC, DESIGN COMPLIES WITH 1705A.3.3.1 ITEM 2.
STEEL
S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL & ALUMINUM USED FOR STRUCTURAL PURPOSES
MATERIAL VERIFICATION & TESTING:
a. VERIFY IDENTIFICATION OF ALL MATERIALS AND: – MILL CERTIFICATES INDICATE MATERIAL PROPERTIES THAT COMPLY WITH REQUIREMENTS. – MATERIAL SIZES, TYPES AND GRADES COMPLY WITH REQUIREMENTS.
b. TEST UNIDENTIFIED MATERIALS
c. EXAMINE SEAM WELDS OF HSS SHAPES
INSPECTION:
d. VERIFY AND DOCUMENT STEEL FABRICATION PER DSA-APPROVED CONSTRUCTION DOCUMENTS.

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

5. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING SHALL BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO APPROVAL OF INSPECTOR QUALIFICATIONS, STRUCTURAL OBSERVATION OF CONSTRUCTION, REVIEW OF INSPECTION REPORTS, AND SIGNING OFF THE VERIFIED REPORTS FOR COMPLETED WORK. GERARD HOMER & ASSOCIATES SHALL NOT BE LISTED ON THE DSA 1 OR BE REQUIRED TO SIGN A DSA 1.DEL.
6. GERARD HOMER & ASSOCIATES WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE SHELTER OF THE PC WHICH ARISE DURING PLAN CHECK AND CONSTRUCTION.
7. THE ARCHITECT OR DSA SHALL NOT ADD TO OR CHANGE THIS PC WITHOUT PERMISSION FROM GERARD HOMER & ASSOCIATES.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/11/2025

REVISIONS			
NO.	DATE	BY	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
GERARD HOMER
EXP. 3-31-24
S2373
STRUCTURAL
STATE OF CALIFORNIA

PRE-CHECK (PC) DOCUMENT
CODE: 2022 C.B.C.
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED.

PROJECT:
SINGLE SLOPE (DOUBLE POST) SCHOOL LUNCH SHELTER
VALLEY SCHOOL SHELTERS

SHEET INDEX

S1 GENERAL NOTES, SHEET INDEX & STRUCTURAL TESTS AND INSPECTIONS SHEET, OPTIONS TABLE & SITE SPECIFIC INFORMATION TABLE
S2 FOUNDATION PLAN, ROOF FRAMING PLAN, SECTION, DETAILS
S3 TABES & DETAILS

BUILDING DATA

A-2 FOR LUNCH SHELTER
A-3 OCCUPANCY FOR GENERAL ASSEMBLY
II-B CONSTRUCTION
ALLOW. AREA = 9500 SQ.FT.
HEIGHT = 8'-0" MIN. TO 16'-0" MAX. COLUMN HEIGHT

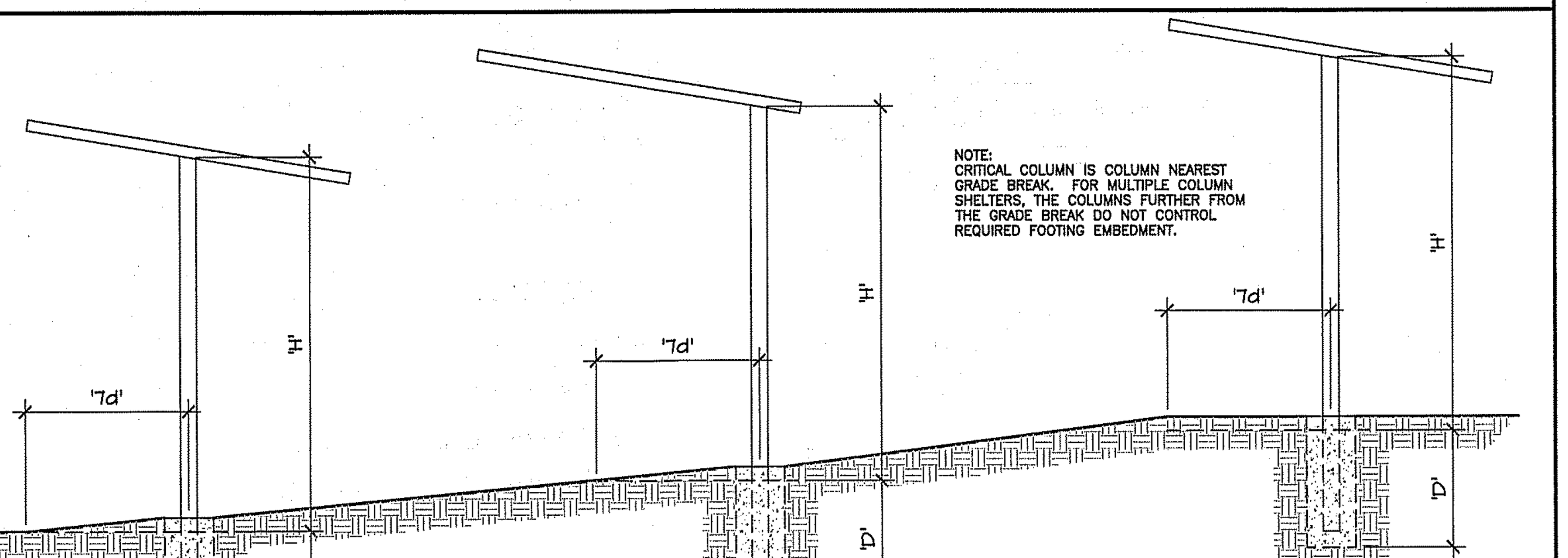
GENERAL NOTES

SHEET INDEX & STRUCTURAL TESTS AND INSPECTIONS SHEET 4K

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121471 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 9/25/2023

NOTES FOR ACHITECT TO VERIFY & COMPLY

1. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY.
2. SUBSTITUTIONS 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.
3. LOCATION OF ELECTRICAL COMPONENTS MOUNTED TO COLUMNS SHALL COMPLY WITH ASCE 24-14, SECTION 7.2.
4. THE ARCHITECT SHALL VERIFY COMPLIANCE W/ 8D/S1 (IR PC-7, SECTION 5.8) IF COVER IS NEAR A SLOPE AND NOTIFY THE P.C. ENGINEER. IF COVER IS NEAR A SLOPE, THE INSTALLATION OF THIS STRUCTURE SHALL NOT BE SUBMITTED AS OVER-THE-COUNTER.



THE PIER DEPTH SHALL BE INCREASED SUCH THAT THE DEPTH REQUIRED BY ANALYSIS (i.e., "D" DESIGNATED IN FIGURE ABOVE) IS PROVIDED BELOW A HORIZONTAL PLANE FROM A HORIZONTAL DISTANCE SEVEN TIMES THE PIER DIAMETER (i.e., "7d" DESIGNATED IN FIGURE ABOVE). ADDITIONALLY, DESIGN PARAMETERS DEPENDENT ON COLUMN HEIGHT SHALL BE DETERMINED BASED ON A THEORETICAL COLUMN HEIGHT STARTING FROM THE SAME HORIZONTAL PLANE (i.e., "H" DESIGNATED IN FIGURE ABOVE). INSTALLATION OF A STRUCTURE UNDER SUCH CONDITIONS SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL. IF THE SETBACK LIMITS ARE SMALLER THAN THE CBC REQUIRES, A SITE-SPECIFIC GEOTECHNICAL REPORT IS REQUIRED.

SLOPED SITE FIGURE SCALE: NONE 8D

SINGLE SLOPE LUNCH SHELTER OPTIONS TABLE

ROOF PANEL OPTION		3 P.S.F. MISCELLANEOUS DEAD LOAD				NUMBER OF BAYS					
	AEP SPAN HR-36						ONE		THREE		FIVE
X	McELROY MEGA-RIB		YES	X	NO	X	TWO		FOUR		SIX

LOADING		WIND SPEED (1)				SEISMIC		MAXIMUM COLUMN HEIGHT	
X	20 PSF LL		M.P.H.	R.C.	PITCH	X	LOWER SEISMIC S_{DS} ≤ 1.0		
	20 PSF SL		≤ 116	II	1.5 IN 12 OR LESS		HIGHER SEISMIC R.C. II S_{DS} ≤ 1.75	X	12'-6"
	30 PSF SL		≤ 123	II	1 IN 12 MAX.				14'-6"
		X	≤ 129	II	0.5 IN 12 MAX.		LOWER SEISMIC R.C. III S_{DS} ≤ 1.00		16'-6"
			≤ 138	III	1.5 IN 12 OR LESS				
							HIGHER SEISMIC R.C. III S_{DS} ≤ 2.5		
							R.C. II S_{DS} > 1.75 REDUCE BAY SPACING		
							R.C. III S_{DS} > 2.5 REDUCE BAY SPACING		

NOTES

SEE 8K/S3 FOR ROOF DECK PROFILES & SECTION PROPERTIES. ALL PANELS CAN BE USED WITH ALL LOADING OPTIONS.

1. ROOF FRAMING MEMBERS DEPENDENT ON WIND SPEED, RISK CATEGORY AND PITCH. THE MORE WIND SPEED, THE LESS PITCH IS ALLOWED AT RISK CATEGORY II ROOF FRAMING. ROOF FRAMING MEMBERS AT RISK CATEGORY III DESIGNED FOR BOTH MAX. WIND LOAD AND PITCH.
2. 30 PSF FRAMING REQUIRED W/ 3 P.S.F. OPTIONAL MISC. DEAD LOAD & 20 P.S.F. LL OR SNOW LOAD.
3. 3 P.S.F. OPTIONAL MISC. DEAD LOAD NOT ALLOWED WITH 30 P.S.F. SNOW LOAD.
4. FOR SNOW LOAD: IF THE HORIZONTAL SEPARATION DISTANCE BETWEEN ADJACENT STRUCTURES, s, IS LESS THAN 20 FT. (6.1 M) AND LESS THAN SIX TIMES THE VERTICAL SEPARATION DISTANCE (s<6h), THEN THE REQUIREMENTS FOR THE LEEWARD DRIFT OF SECTION 7.7.1 SHALL BE USED TO DETERMINE THE DRIFT LOAD ON THE LOWER STRUCTURE. IF THE SNOW DRIFT ANALYSIS IS REQUIRED IT SHALL BE PROVIDED BY THE PC APPLICANT & THE SITE APPLICATION IS NOT ELIGIBLE FOR OVER THE COUNTER SUBMITTAL.
5. MISC. DEAD LOAD CAN INCLUDE SPRINKLERS OR SOLAR PANELS. BOTH ARE NOT ELIGIBLE FOR OVER THE COUNTER PLAN CHECK. LOADS CAN NOT BE SUPPORTED BY THE ROOF PANELS, ONLY THE BEAMS & PURLINS CAN SUPPORT MISC. DEAD LOADS.

SITE SPECIFIC INFORMATION TABLE

				SELECT OCCUPANT LOAD FACTOR (OLF)		HIGH SEISMIC DESIGN ADJUSTMENT
0.548	SEISMIC COEFFICIENT, Ss		~~SEISMIC COEFFICIENT, Sds **~~			
0.248	SEISMIC COEFFICIENT, S1 ②	94	WIND SPEED (3 SEC. GUST) @ MPH	X	ASSEMBLY-CONCENTRATED (CHAIRS NON-FIXED) 7 S.F./OCCUPANT	FOR RISK CATEGORY II WITH S_{DS} > 1.75
1.361	SEISMIC COEFFICIENT, Fa	C	WIND EXPOSURE CATEGORY		ASSEMBLY-NONCONCENTRATED (FIXED TABLES & CHAIRS) 15 S.F./OCCUPANT	20' BAYS x 1.75 / ACTUAL S_{DS} = ☐ MAXIMUM BAY SPACING IN FEET ***
2.1	SEISMIC COEFFICIENT, Fv	30	WIDTH OF COVER AREA IN FT.	60	DETERMINE OCCUPANT LOAD = AREA/OLF	
0.746	SEISMIC COEFFICIENT, Sms	40	LENGTH OF COVERED AREA IN FT.		DETERMINE RISK CATEGORY	FOR RISK CATEGORY III WITH I_E = 1.25 & S_{DS} > 2.5
0.781	SEISMIC COEFFICIENT, Sm1 ①	1200	AREA IN SQ. FT.	X	RISK CATEGORY II OCCUPANTS ≤ 300	20' BAYS x 2.5 / ACTUAL S_{DS} x 1.25 = ☐ MAXIMUM BAY SPACING IN FEET ***
0.417	SITE SPECIFIC, Cs ③	2	NUMBER OF BAYS		RISK CATEGORY III OCCUPANTS > 300	
0.521	SEISMIC COEFFICIENT, Sds	12.5	MAXIMUM COLUMN HEIGHT IN FT.		RISK CATEGORY III ADJACENT TO RISK CATEGORY III BUILDING	*** BAY SPACING ON PLAN VIEWS TO BE REVISED TO MATCH AND USE HIGHER SEISMIC COLUMNS & FOOTINGS.
0.521	SEISMIC COEFFICIENT, Sd1	1/2 IN 12	ROOF SLOPE IN./FT.		NOTE: DUE TO THE PERIOD OF THE STRUCTURE, ONLY 12'-6" TALL OR LESS CAN HAVE S_{DS} REDUCED PER ASCE 7-16, 12.8.1.3.	
			~~SEISMIC COEFFICIENT, Sd1~~			

① FOR THE SITE CLASS D, Sm1 SHALL BE INCREASED BY 50% UNLESS A SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED. Sms SHALL NOT BE LESS THAN Sm1.

② FOR SITE CLASS E WITH S1 GREATER THAN OR EQUAL TO 0.2, PROVIDED T IS LESS THAN OR EQUAL TO Ts, EQUATION 12.8-2 SHALL BE USED.

③ PER ASCE 7-16 EQUATION 12.8-2.

GEOHAZARD REPORTS				LIQUEFIABLE SOIL OR SITE CLASS F OR E			
GEOHAZARD REPORT		REQUIRED	X NOT REQUIRED	LIQUEFIABLE SOILS		YES	X NO

GEOHAZARD REPORTS ARE NOT REQUIRED FOR CANTILEVERED COLUMN OPEN STRUCTURES PROVIDED THEY ARE CONSTRUCTED OF METAL, DO NOT EXCEED 4,000 SF. IN PLAN AREA AND ARE NOT LOCATED WITHIN STATE OR LOCAL GEOHAZARD ZONES. THE STRUCTURES MAY BE SPLIT INTO MULTIPLE SEISMICALLY SEPARATED STRUCTURES TO STAY BELOW THE 4,000 SF. TRIGGER.

IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

X CONCRETE EXPOSURE F0 ☐ CONCRETE EXPOSURE F2*

* F2 IS REQUIRED FOR ANY SNOW LOAD 30 PSF OR GREATER.

** LIST ACTUAL Sds AND CAPPED VALUE IN ( ) IF USED.

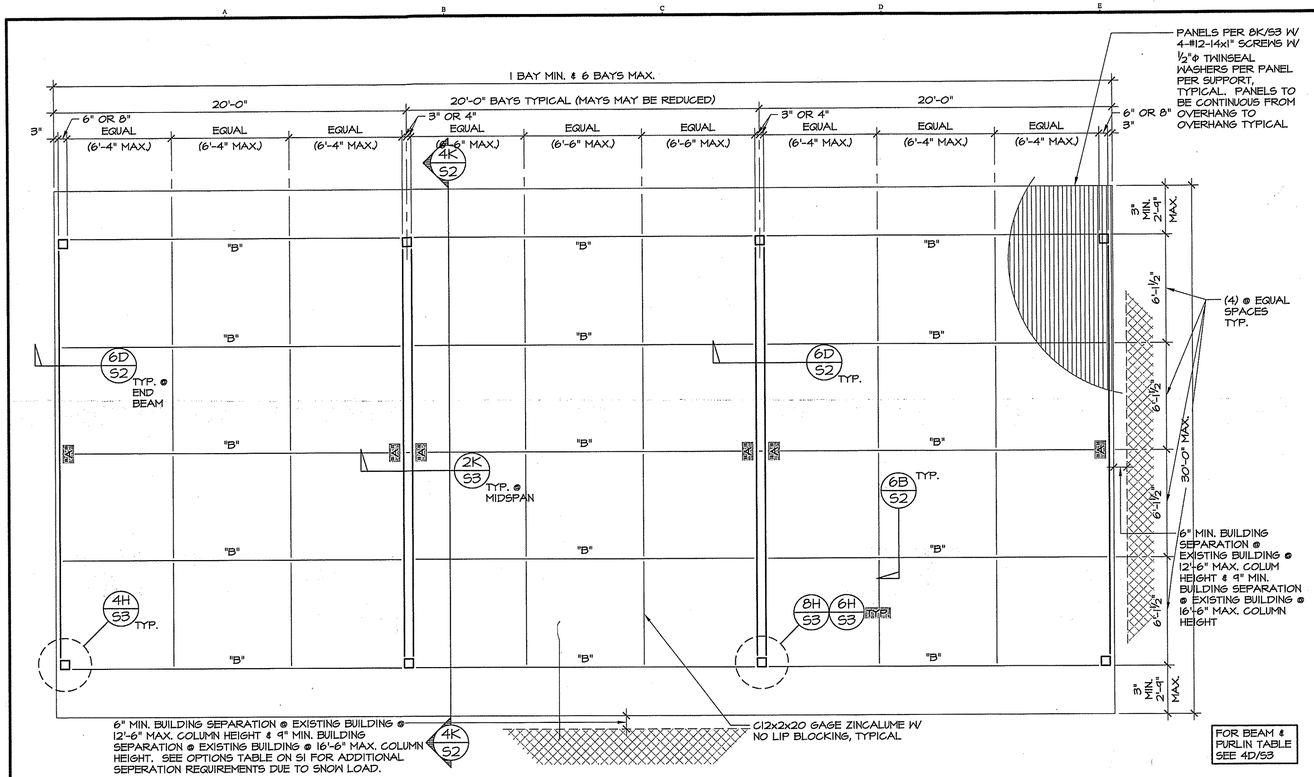
IF SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED & SIGNED FROM A SOILS ENGINEER IS REQUIRED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED ON THIS P.C., SEE GENERAL NOTE NUMBER II.

OPTIONS TABLE & SITE SPECIFIC INFORMATION TABLE SCALE 1/4" = 1'-0" 8K

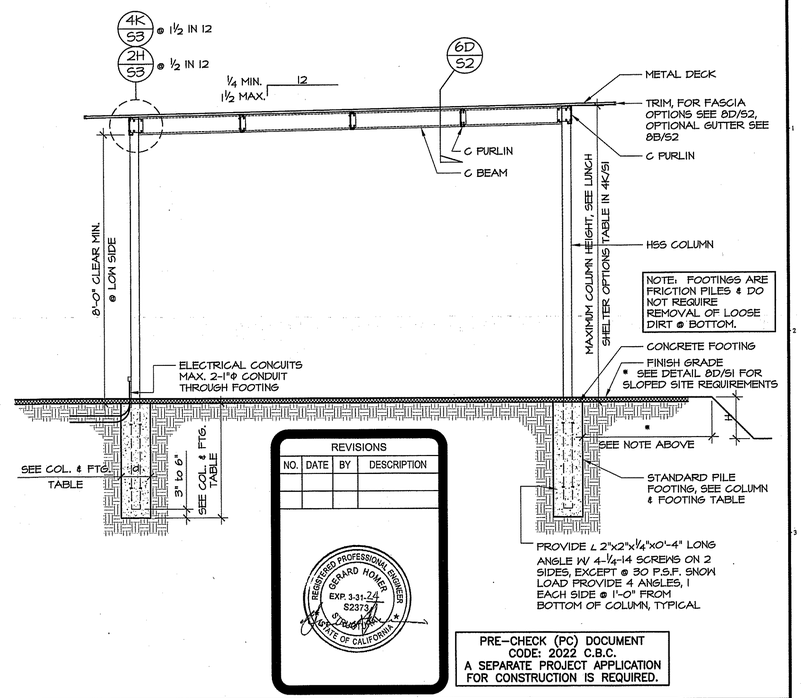
Gerard Homer and Associates
STRUCTURAL ENGINEERS
16765 SYPERT SCHOOL RD.
HOLLAND, TX. 76534
PH.: (559) 734-6675
Email: ghomerse@gmail.com

DWN BY: B.G.H.	CHKD BY: G.B.H.
DATE: 9/20/23	
PROJECT NO: 23014 ~~4/23/25~~ 255008 25040	
DRAWING TITLE	
GENERAL NOTES SHEET INDEX & STRUCTURAL TESTS AND INSPECTIONS SHEET OPTIONS TABLE & SITE SPECIFIC INFORMATION TABLE	
SHEET NUMBER **S1** OF 3 SHEETS	

PROJECT: DAVID LUBIN ELEMENTARY SCHOOL - PC SHADE STRUCTURE



ROOF FRAMING PLAN — SCALE ¼" = 1'-0" — 4F



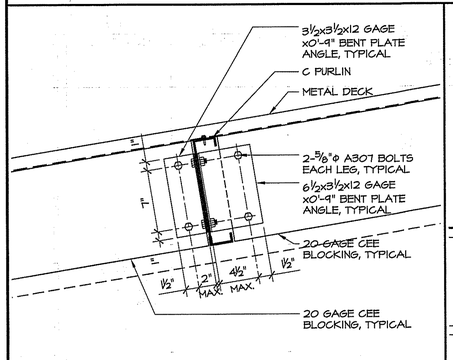
REVISIONS

NO.	DATE	BY	DESCRIPTION

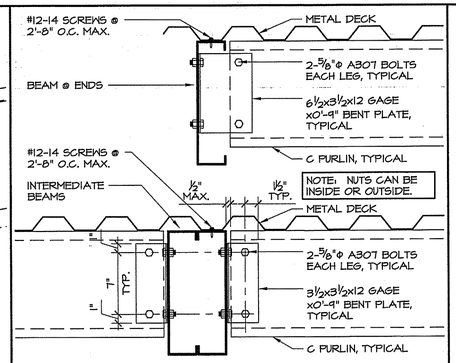
REGISTERED PROFESSIONAL ENGINEER — GERARD HOMER — EXP. 3-31-24 — 82373 — STRUCTURAL — STATE OF CALIFORNIA

PRE-CHECK (PC) DOCUMENT CODE: 2022 C.B.C.
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

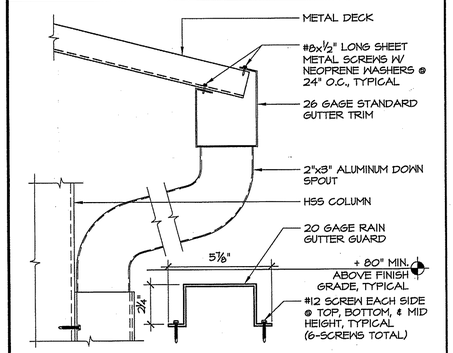
SECTION — SCALE ¼" = 1'-0" — 4K



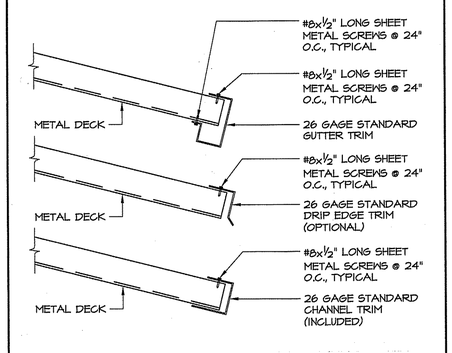
BLOCKING TO PURLIN — SCALE 1½" = 1'-0" — 6B



PURLIN TO BEAM — SCALE 1½" = 1'-0" — 6D

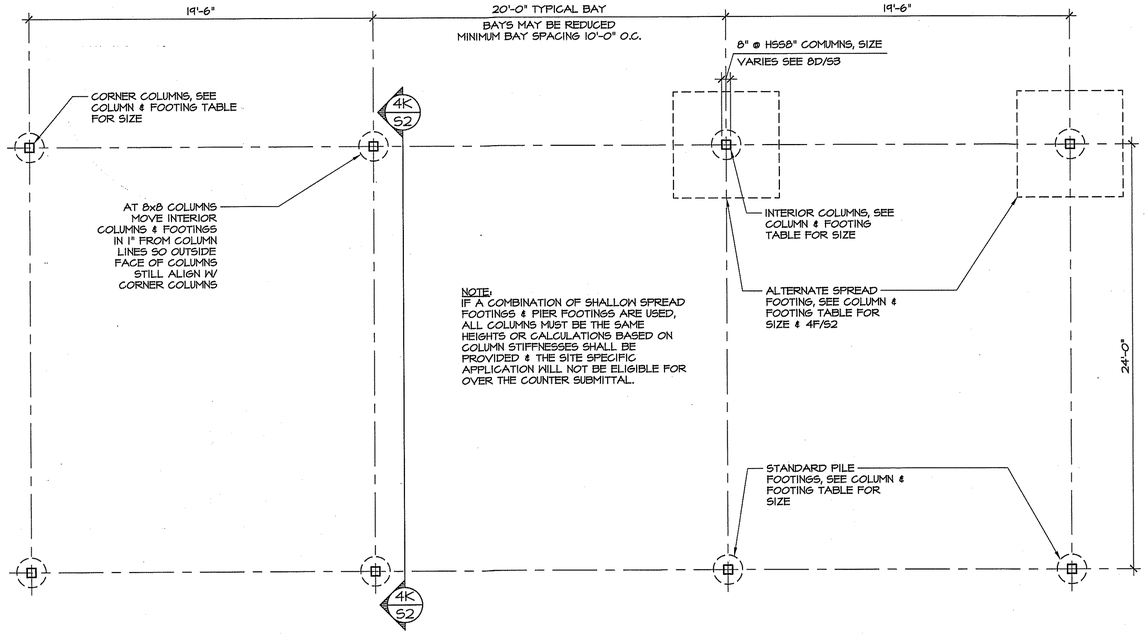


BOX GUTTER — SCALE 3" = 1'-0" — 8B



FASCIA OPTIONS — SCALE 3" = 1'-0" — 8D

SEE SITE SPECIFIC TABLE FOR MAX. BAY SPACING IN HIGH SEISMIC AREAS. MINIMUM BAY SPACING IS 10'-0". MINIMUM PIER SPACING IS 3 DIAMETERS PER CBC 1810A2.5.



FOUNDATION PLAN — SCALE ¼" = 1'-0" — 8K

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/11/2025

PROJECT: SINGLE SLOPE (DOUBLE POST) SCHOOL LUNCH SHELTER VALLEY SCHOOL SHELTERS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123567 INC: PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CS ☑
DEPARTMENT OF GENERAL SERVICES
DATE: 9/25/2023

Girard Homer and Associates
STRUCTURAL ENGINEERS
16765 SYPERT SCHOOL RD.
HOLLAND, TX. 76534
PH.: (559) 734-6575
Email: ghomerse@gmail.com

DWN BY: B.G.H.	CHKD BY: G.B.H.
DATE: 9/20/23	
PROJECT NO: 23014 2504D	

DRAWING TITLE
FOUNDATION PLAN
ROOF FRAMING PLAN
SECTION
DETAILS

SHEET NUMBER
S2
OF 3 SHEETS

PROJECT: DAVID LUBIN ELEMENTARY SCHOOL - PC SHADE STRUCTURE

BEAM & PURLIN TABLE

(RISK CATEGORY)	LOADNG	BEAM "A"	PURLIN "B"
(RISK CATEGORY II) SEE NOTE 3	20 PSF LL/SL	C18x3x12 GAGE	C12x2¼x14 GAGE
	30 PSF SL	C18x3x10 GAGE	C12x2¼x12 GAGE
(RISK CATEGORY III) SEE NOTE 3	20 PSF LL/SL	C18x3x12 GAGE	C12x2¼x12 GAGE
	30 PSF SL	C18x3x10 GAGE	C12x2¼x12 GAGE

NOTES:

1. RISK CATEGORY IS PER CBC 1604A.5.
2. SEE 8K/S3 FOR SECTION PROPERTIES OF BEAMS.
3. SEE SITE SPECIFIC TABLE TO DETERMINE RISK CATEGORY.

BEAM & PURLIN TABLE 4D

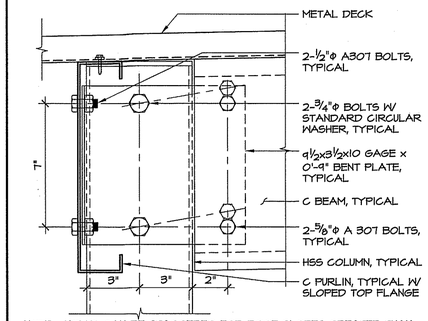
REVISIONS

NO.	DATE	BY	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER GERARD HOMER EXP. 3-31-24 S2373 STRUCTURAL STATE OF CALIFORNIA

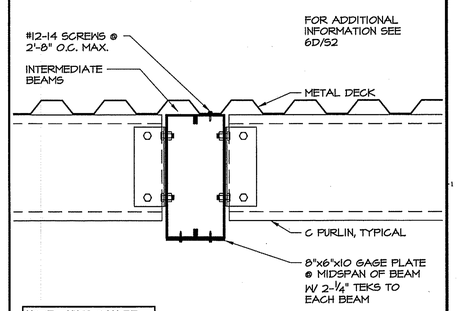
PRE-CHECK (PC) DOCUMENT
CODE: 2022 C.B.C.
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED.

STAMPS 4F



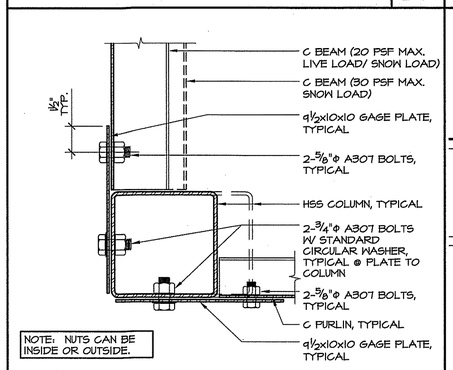
NOTE: HOLES CAN BE STAGGERED FOR ROOF SLOPES GREATER THAN ¾ IN 12 SLOPE.

BEAM TO COLUMN SCALE 3" = 1'-0" 2H



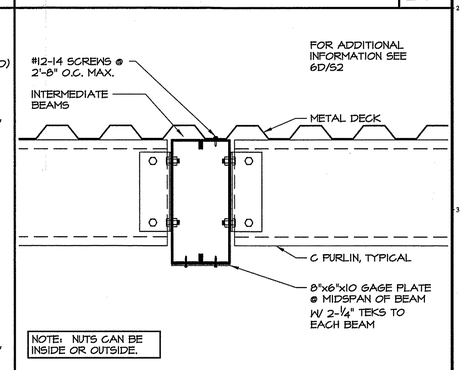
NOTE: NUTS CAN BE INSIDE OR OUTSIDE.

BEAM TIE @ MIDSPAN SCALE 1½" = 1'-0" 2K



NOTE: NUTS CAN BE INSIDE OR OUTSIDE.

BEAM TO COLUMN @ CORNER SCALE 3" = 1'-0" 4H



NOTE: NUTS CAN BE INSIDE OR OUTSIDE.

BEAM TO COLUMN SCALE 1½" = 1'-0" 4K

COLUMN & FOOTING TABLE

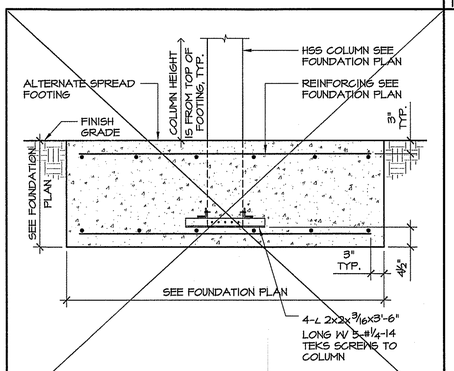
	COLUMN HEIGHT	LOADING	LOWER SEISMIC (S_{DS} ≤ 1.0) COLUMN	PILE FOOTING	1 & 10 ALTERNATE SPREAD FOOTING	HIGHER SEISMIC (S_{DS} ≤ 1.75 MAX.) (15) COLUMN	PILE FOOTING	1 & 10 ALTERNATE SPREAD FOOTING
(RISK CATEGORY II)	12'-6"	20 PSF LL	HSS6x6x3/16	1'-6"Φx8'-0"	6'-4" SQ.x2'-0"(8)	HSS8x6x1/4(5)	1'-6"Φx9'-9"	7'-0" SQ.x2'-4"(9)
		20 PSF SL		1'-6"Φx8'-4"				
		30 PSF SL	HSS8x6x3/16(4)	1'-6"Φx8'-8"			1'-6"Φx10'-8"	
		OPTIONAL MISC. DEAD LOAD	HSS6x6x3/16	1'-6"Φx9'-3"	7'-0" SQ.x2'-4"(9)		1'-6"Φx11'-4"	7'-9" SQ.x2'-4"(9)
	14'-6"	20 PSF LL	HSS6x6x1/4	1'-6"Φx8'-3"	6'-4" SQ.x2'-0"(8)	HSS8x6x5/16(5)	1'-6"Φx10'-2"	7'-3" SQ.x2'-4"(9)
		20 PSF SL		1'-6"Φx8'-9"				
		30 PSF SL	HSS8x6x3/16(4)	1'-6"Φx10'-8"			1'-6"Φx10'-5"	
		OPTIONAL MISC. DEAD LOAD	HSS6x6x1/4	1'-6"Φx9'-6"	7'-0" SQ.x2'-4"(9)	HSS8x6x5/16(6)	1'-6"Φx11'-4"	8'-2" SQ.x2'-4"(9)
	16'-6"	20 PSF LL	HSS6x6x1/4	1'-6"Φx8'-6"	6'-4" SQ.x2'-0"(8)	HSS8x6x1/4(5)	1'-6"Φx10'-6"	7'-6" SQ.x2'-4"(9)
		20 PSF SL		1'-6"Φx8'-9"				
		30 PSF SL	HSS8x6x3/16(4)	1'-6"Φx10'-8"			1'-6"Φx10'-8"	
		OPTIONAL MISC. DEAD LOAD	HSS6x6x1/4	1'-6"Φx9'-9"	7'-0" SQ.x2'-4"(9)	HSS8x6x3/8(6)	1'-6"Φx12'-0"	8'-8" SQ.x2'-4"(10)
(RISK CATEGORY III)			LOWER SEISMIC (S_{DS} ≤ 1.0)			HIGHER SEISMIC (S_{DS} ≤ 2.5 MAX.)		
	12'-6"	20 PSF LL	HSS8x6x3/16	1'-6"Φx8'-9"	6'-10" SQ.x2'-0"(8)	HSS8x6x5/16(5)	1'-6"Φx12'-3"	9'-0" SQ.x2'-4"(10)
		20 PSF SL		1'-6"Φx9'-4"				
		30 PSF SL	HSS8x6x1/4(5)	1'-6"Φx11'-4"				
		OPTIONAL MISC. DEAD LOAD	HSS8x6x3/16	1'-6"Φx10'-0"	7'-6" SQ.x2'-4"(9)	HSS8x6x1/2(7)	1'-6"Φx14'-3"	9'-10" SQ.x2'-6"(11)
	14'-6"	20 PSF LL	HSS8x6x1/4	1'-6"Φx9'-0"	6'-10" SQ.x2'-0"(8)	HSS8x6x3/8(6)	1'-6"Φx12'-8"	9'-3" SQ.x2'-4"(10)
		20 PSF SL		1'-6"Φx9'-4"				
		30 PSF SL	HSS8x6x1/4(5)	1'-6"Φx11'-4"				
		OPTIONAL MISC. DEAD LOAD	HSS8x6x1/4	1'-6"Φx10'-3"	7'-6" SQ.x2'-4"(9)	HSS8x6x5/8(6)	1'-6"Φx14'-8"	10'-4" SQ.x2'-6"(11)
	16'-6"	20 PSF LL	HSS8x6x5/16	1'-6"Φx9'-3"	6'-10" SQ.x2'-0"(8)	HSS8x6x1/2(6)	1'-6"Φx13'-0"	9'-8" SQ.x2'-4"(10)
		20 PSF SL		1'-6"Φx9'-4"				
		30 PSF SL	HSS6x6x5/16(5)	1'-6"Φx11'-4"				
		OPTIONAL MISC. DEAD LOAD	HSS8x6x5/16	1'-6"Φx10'-8"	7'-6" SQ.x2'-4"(9)	HSS8x6x1/2(7)	2'-0"Φx13'-6"	10'-10" SQ.x2'-6"(11)

MOVE COLUMN & FOOTING IN 1" FROM COLUMN LINE SO OUTSIDE FACE OF COLUMN STILL ALIGN W/ CORNER COLUMN

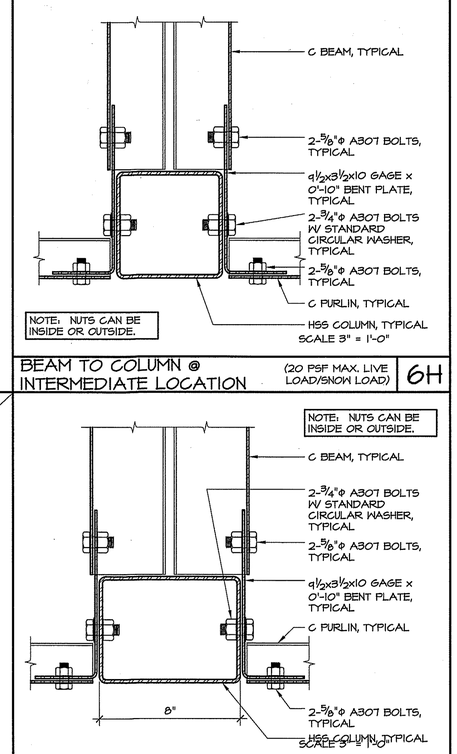
COLUMN & FOOTING TABLE 8D

NOTES:

1. ALTERNATE SPREAD FOOTINGS ARE OPTIONAL FOOTINGS @ AN ADDITIONAL COST.
2. NO SNOW LOAD ALLOWED W/ 3 P.S.F. MISCELLANEOUS DEAD LOAD.
3. COLUMN EMBEDMENT OF PILE FOOTING TO EXTEND INTO FOOTING 6" MAX. FROM BOTTOM, SEE SECTION 4K/S2.
4. AT CORNER COLUMN MAY USE HSS6x6x3/16.
5. AT CORNER COLUMN MAY USE HSS8x6x3/16
6. AT CORNER COLUMN MAY USE HSS8x6x1/4.
7. AT CORNER COLUMN MAY USE HSS8x6x5/16.
8. USE 6-#5 REBARS EACH WAY @ TOP & BOTTOM OF FOOTING W/ 3" MIN. COVER. KEEP COLUMN 4½" CLEAR FROM BOTTOM OF FOOTING.
9. USE 8-#5 REBARS EACH WAY @ TOP & BOTTOM OF FOOTING W/ 3" MIN. COVER. KEEP COLUMN 4½" CLEAR FROM BOTTOM OF FOOTING.
10. USE 10-#5 REBARS EACH WAY @ TOP & BOTTOM OF FOOTING W/ 3" MIN. COVER. KEEP COLUMN 4½" CLEAR FROM BOTTOM OF FOOTING.
11. USE 12-#5 REBARS EACH WAY @ TOP & BOTTOM OF FOOTING W/ 3" MIN. COVER. KEEP COLUMN 4½" CLEAR FROM BOTTOM OF FOOTING.
12. USE 4-L 2x2x3/16x3'-6" LONG ANGLES @ BOTTOM OF COLUMN, EACH W/ 5-¼-14 TEKS SCREWS TO COLUMN, SEE 8F/S3.
13. IF SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS REQUIRED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED ON THIS P.C., SEE GENERAL NOTES NUMBER 11.
14. MINIMUM PIER SPACING IS 3 DIAMETERS PER CBC 1810A.2.5.
15. Sds MAXIMUM OR REDUCE BAY SPACING, SEE SITE SPECIFIC INFORMATION TABLE ON SHEET S1.



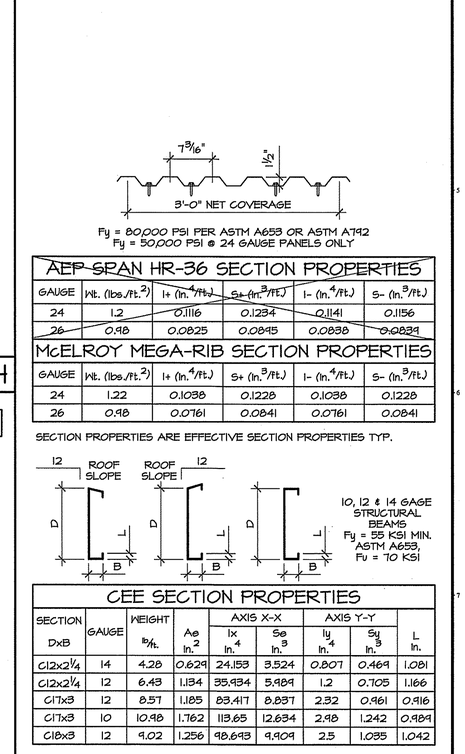
OPTIONAL SPREAD FOOTING @ ADDITIONAL COST SCALE ¾" = 1'-0" 8F



NOTE: NUTS CAN BE INSIDE OR OUTSIDE.

BEAM TO COLUMN @ INTERMEDIATE LOCATION (20 PSF MAX. LIVE LOAD/SNOW LOAD) 6H

BEAM TO COLUMN @ INTERMEDIATE LOCATION (30 PSF MAX. SNOW LOAD) 8H



Fy = 80,000 PSI PER ASTM A653 OR ASTM A792
Fy = 50,000 PSI @ 24 GAUGE PANELS ONLY

AEP SPAN HR-36 SECTION PROPERTIES

GAUGE	Wt. (lbs./ft.²)	I+ (in.⁴/ft.)	S+ (in.³/ft.)	I- (in.⁴/ft.)	S- (in.³/ft.)
24	1.2	0.1116	0.1234	0.1141	0.1156
26	0.98	0.0825	0.0845	0.0838	0.0829

McELROY MEGA-RIB SECTION PROPERTIES

GAUGE	Wt. (lbs./ft.²)	I+ (in.⁴/ft.)	S+ (in.³/ft.)	I- (in.⁴/ft.)	S- (in.³/ft.)
24	1.22	0.1038	0.1228	0.1038	0.1228
26	0.98	0.0761	0.0841	0.0761	0.0841

SECTION PROPERTIES ARE EFFECTIVE SECTION PROPERTIES TYP.

10, 12 & 14 GAGE STRUCTURAL BEAMS
Fy = 55 KSI MIN. ASTM A653, Fu = 70 KSI

CEE SECTION PROPERTIES

SECTION DxB	GAUGE	WEIGHT lb/ft.	Ae in.²	AXIS X-X Ix in.⁴	AXIS X-X Sa in.³	AXIS Y-Y Iy in.⁴	AXIS Y-Y Sy in.³	L in.
C12x2¼	14	4.28	0.629	24.153	3.524	0.807	0.469	1.081
C12x2¼	12	6.43	1.134	35.934	5.989	1.2	0.705	1.166
C17x3	12	8.57	1.185	83.417	8.837	2.32	0.961	0.916
C17x3	10	10.98	1.762	113.65	12.634	2.98	1.242	0.989
C18x3	12	9.02	1.256	98.643	9.909	2.5	1.035	1.042

MATERIAL PROPERTIES TABLES 8K

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/11/2025

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123747 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 9/25/2023

PROJECT: SINGLE SLOPE (DOUBLE POST) SCHOOL LUNCH SHELTER VALLEY SCHOOL SHELTERS

16765 SYPERT SCHOOL RD.
HOLLAND, TX. 76534
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STRUCTURAL ENGINEERS
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Email: ghomerse@gmail.com

DWN BY: B.S.H. | CHKD BY: G.B.H.

DATE: 9/20/23

PROJECT NO: 23014 2504D

DRAWING TITLE

TABES & DETAILS

SHEET NUMBER

S3

OF 3 SHEETS

PROJECT: DAVID LUBIN ELEMENTARY SCHOOL - PC SHADE STRUCTURE