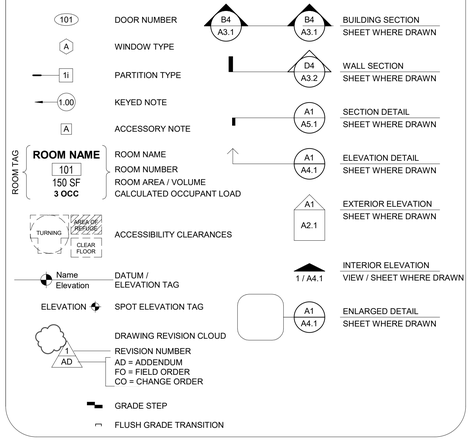
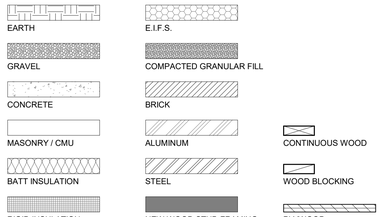
SYMBOLS



KEY TO MATERIALS



ADMINISTRATIVE NOTES

1. ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR. A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
2. A COPY OF PARTS 1 TO 6, PARTS 9 AND 12, TITLE 24 C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
3. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR AND PER DSA IR A-6.
4. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
5. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
6. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-333, PART 1, TITLE 24.
7. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333 (B).
8. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
9. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM DSA-6 IN ACCORDANCE WITH SECTION 4-336 AND 4-343, PART 1, TITLE 24.
10. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-333(A) AND 4-341, PART 1, TITLE 24.
11. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART 1, TITLE 24.
12. NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL.
13. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
14. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:
· ARCHITECT OR ENGINEER OF RECORD.
· STRUCTURAL ENGINEER (WHEN APPLICABLE)
· DELEGATED PROFESSIONAL ENGINEER.
· DSA
15. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
16. PER CBC 11B-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS.
17. NEWLY INSTALLED AND/OR UPGRADED FIRE ALARM:
a) THE ENTIRE LENS OF STROBE LIGHT IS BETWEEN 80" AND 96".
b) FLASH RATE SHALL NOT EXCEED 2 FLASHES PER SECOND NOR LESS THAN 1 FLASH PER SECOND.
c) MANUAL ALARM ACTIVATING HANDLE 42"-48".
d) BOXES TO COMPLY WITH CBC 11B-309.4, NO TIGHT GRASPING, PINCHING OR TWISTING OF THE WIRES

APPLICABLE CODES

2022 CALIFORNIA BUILDING STANDARD ADMIINSTRATIVE CODE PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24 C.C.R.
2022 CALIFORNIA ELECRICAL CODE (CEC) PART 3, TITLE 24 C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 C.C.R.
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24 C.C.R.
2022 CALIFORNIA REFERENCED STANDARD CODE PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS
NFPA 72, NATIONAL FIRE ALARM CODE, WITH CALIFORNIA AMENDMENTS, 2019 EDITION
NFPA 13, AUTOMATIC SPRINKLER SYSTEM WITH CALIFORNIA AMMENDMENTS, 2019 EDITION
NFPA 24, PRIVATE FIRE MAINS, 2019 EDITION
NFPA 14, STANDIPIPE, PRIVATE FIRE HYDRANT HOSE SYSTEMS 2016 EDITION
REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS - 2022 CBC CHAPTER 35 AND 2022 CFC CHAPTER 80

THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN FORCE ON THE DATE OF THE CONTRACT, UNLESS OTHERWISE STATED. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.
COMPLIANCE WITH CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AND CBC CHAPTER 33, SAFETY DURING CONSTRUCTION WILL BE ENFORCED

ABBREVIATIONS

ABS	ACRYLONITRILE-BUTADIENE-STYRENE
AC	ASPHALTIC CONCRETE
A.F.F.	ABOVE FINISH FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECTURAL
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
B.O.F.	BOTTOM OF FOOTING
BRG	BEARING
CI	CAST IRON
C.I.P.	CAST IN PLACE
C.J.	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CL (℄)	CENTERLINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
DEMO	(DEMOLISH) DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING(S)
(E)	EXISTING
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
E.J.	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE(C)	FIRE EXTINGUISHER (CABINET)
FIN	FINISH
FLR	FLOOR
FT	FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLU-LAM	GLUE LAMINATED
GYP	GYPSUM
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
ID	INSIDE DIAMETER
INT	INTERIOR
ISO	ISOMETRIC
JAN	JANITOR
KD	KNOCKDOWN
KO	KNOCKOUT
KOP	KNOCKOUT PANEL
LAB	LABORATORY
LAV	LAVATORY
LLV	LONG LEG VERTICAL
LVL	LAMINATED VENEER LUMBER
LW	LIGHT WEIGHT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/	OVER
O.A.E.	OR APPROVED EQUIVALENT
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED/CONTRACTOR INSTALL
OH	OVERHEAD
OPP	OPPOSITE
PARTN	PARTITION
PART	PARTICLE
PERP	PERPENDICULAR
PERIM	PERIMETER
PLAM	PLASTIC LAMINATE
PL	PLATE
PLBG	PLUMBING
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RAD	RADIUS
RD	ROOF DRAIN
REINF	REINFORCE(D) / REINFORCING
REQD	REQUIRED
REV	REVISION
REFR	REFRIGERATOR
RM	ROOM
RO	ROUGH OPENING
R/R	RESTROOM
RTU	ROOF TOP UNIT
SC	SOLID CORE
SCHED	SCHEDULE(D)
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SQ	SQUARE
S/S	STAINLESS STEEL
STD	STANDARD
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
THRES	THRESHOLD
T.O.	TOP OF
T.O.B.	TOP OF BEAM
T.O.S.	TOP OF SLAB / TOP OF STRUCTURE
T.O.D.	TOP OF DECK
T.O.W.	TOP OF WALL
TOIL	TOILET
T.S.	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
WC	WATER CLOSET
WF	WIDE FLANGE
WH	WATER HEATER
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

CONSULTANTS

CIVIL ENGINEER:

NORTHSTAR ENGINEERING GROUP
620 12th STREET
MODESTO, CA 95354
209-524-3525

SCOPE OF WORK

REMOVAL AND REPLACEMENT OF EXISTING PLAY APPARATUSES.
MINOR GRADING AND FLATWORK AROUND PLAY AREAS.
POURED-IN-PLACE FALL-PROTECTED AT PLAY AREAS.
DEMOLISH AND REPLACEMENT OF MAIN ENTRACE CONCRETE WALKWAY.
REMODEL OF EXISTING UNISEX RESTROOM (SINK RELOCATION)
INSTALLATION OF PC APPROVED SHADE STRUCTURE.
CLASS 2 MIN. INSPECTOR REQUIRED PER IRA-7

VICINITY MAP

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

ISADOR COHEN ELEMENTARY SCHOOL

PLAYGROUND AREA UPGRADES

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

SACRAMENTO COUNTY

SHEET INDEX

SHEET #	SHEET NAME
GENERAL	
G001	COVER SHEET
AS98	OVERALL FIRE & DEMOLITION SITE PLAN
AS99	ENLARGED ARCH'L SITE DEMOLITION PLANS
AS100	OVERALL ARCHITECTRUAL SITE PLAN
AS103	ENLARGED PLAY APPARATUS AREAS ARCH'L SITE PLANS
AS503	SITE DETAILS
IM-01	PICTURES
CIVIL	
C0.1	CIVIL GENERAL NOTES AND ABREVIATIONS
C1.1	DEMOLITION PLAN
C2.1	GRADING AND UTILITY PLAN
C3.1	PAVING PLAN
PC SHADE STRUCTURE DRAWINGS | PC # 04-123036	
T001	TITLE SHEET
T002	T&I GUIDELINE
S1.1	PRECHECK FABRIC SHADE STRUCTURE II
S1.2	PRECHECK FABRIC SHADE STRUCTURE II
S1.3	PRECHECK FABRIC SHADE STRUCTURE II
HC4030-1	40'X30'X12' HIP CANOPY
HC4030-2	40'X30'X12' HIP CANOPY
HC4030-3	40'X30'X12' HIP CANOPY

TOTAL PAGES: 19

DEFERRED SUBMITTALS: NONE

SITE SPECIFIC DESIGN CRITERIA

WIND
RISK CATEGORY II
BASIC WIND SPEED 94 MPH
EXPOSURE C

SEISMIC
RISK CATEGORY II
SITE CLASS D-DEFAULT
SS = 0.62 ; SDS = 0.62

Statement of General Conformance

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. 02-123078 **File No.** 34-53 **)**

☑ The drawings or sheets listed on the cover or index sheet
☐ This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) Design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) Coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 [b])

I find that:	☑ All drawings or sheets listed on the cover or index sheet ☐ This drawing or page	
☑ is/are in general conformance with the project design intent, and ☑ has/have been coordinated with the project plans and specifications.		☐ is/are in general conformance with the project design intent, and ☐ has/have been coordinated with the project plans and specifications.
01/16/25		
Signature	**Date**	**Signature** **Date**
Architect or Engineer designated to be in general responsible charge		**Architect or Engineer delegated responsibility for this portion of the work**
MITCHELL A. MCALLISTER		
Print Name		**Print Name**
C17250	02/28/25	
License Number	**Expiration Date**	**License Number** **Expiration Date**

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO SEE TO IT THAT ALL MATERIALS AND/OR WORK DESCRIBED, DEPICTED OR DETAILED WITHIN THESE DOCUMENTS, BE FURNISHED AND OR INSTALLED REGARDLESS OF THE LOCATION OF THAT MATERIAL OR WORK WITHIN THE DOCUMENTS OR OMISSION (WHETHER DELIBERATE OR ACCIDENTAL) OF THAT MATERIAL OR WORK BY A SUBCONTRACTOR ON HIS/HER BID.

2. ALL CONTRACTORS, WHETHER THE GENERAL OR SUB, SHALL CONSIDER THESE DOCUMENTS IN THEIR ENTIRETY. DISCREPANCIES OR CONTRADICTIONS BETWEEN PORTIONS OF THESE DOCUMENTS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AT LEAST 48 HRS PRIOR TO BID OPENING FOR CLARIFICATION. OTHERWISE EITHER DESCRIPTION OR INSTRUCTION SHALL BE IN FORCE UNTIL ONE IS OMITTED BY THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.

3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING TEMPORARY FENCING AND GATES, SIGNAGE, SECURITY LIGHTING OR OTHER SECURITY AND CONTROL MEASURES NECESSARY TO PROVIDE FOR THE SAFETY OF STUDENTS, FACULTY AND STAFF AROUND THE WORK, UNTIL THE COMPLETION OF THE WORK UNLESS OTHERWISE DETERMINED BY THE ARCHITECT OR CONSTRUCTION MANAGER.

4. THE CONTRACTOR IS RESPONSIBLE TO REPAIR AND/OR REPLACE ALL DISTRICT PROPERTY DAMAGED DURING THE COURSE ON THE WORK, ESPECIALLY BUT NOT LIMITED TO ASPHALT PAVING AROUND THE SITE, STAGING AREA OR PATH OF TRAVEL TO EITHER.

5. THE CONTRACTOR SHALL LIMIT HIS/HER ACTIVITY TO THE AREA DESCRIBED WITHIN THE DOCUMENTS SO AS TO LIMIT HIS/HER LIABILITY FOR DAMAGED PROPERTY UNLESS OTHERWISE PERMITTED BY THE CONSTRUCTION MANAGER OR OWNER.

6. ALL WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ALL APPLICABLE CODES. SEE LIST THIS SHEET.

7. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION EXCEPT DSA APPROVAL.

8. ALL DIMENSIONS SHALL BE FACE OF STUD, UNLESS OTHERWISE NOTED. DIMENSIONS NOTED AS "CLR" MEAN CLEAR DIMENSION TO FACE OF FINISH. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND.

9. ALL ITEMS IN THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.

10. SCHEDULE ALL WORK OUTSIDE THE "EXTENT OF WORK" SET FORTH IN THESE DOCUMENTS WITH THE CONSTRUCTION MANAGER INCLUDING ACCESS AND STORAGE. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.

11. ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL EXISTING FACILITIES TO REMAIN MUST BE MAINTAINED IN SERVICE AT ALL TIMES. ANY SHUT DOWNS FOR NEW CONNECTIONS MUST BE COORDINATED WITH THE CONSTRUCTION MANAGER TWO WEEKS PRIOR TO THE REQUESTED SHUT DOWN.

12. THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY ITEMS DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK. INSTALLATION SHALL MATCH EXISTING IN KIND, QUALITY, AND PERFORMANCE.

13. THE CONTRACTOR SHALL CONTAIN ALL DUST AND DEBRIS TO THE CONSTRUCTION AREA. BROOM CLEAN ALL SIDEWALKS AND DRIVEWAYS EACH DAY. KEEP DIRT AND DUST TO A MINIMUM.

14. ALL REMODELED ITEMS LISTED TO BE SALVAGED FOR THE OWNER SHALL BE DELIVERED TO A PLACE OF STORAGE AS DIRECTED BY THE OWNER. ALL OTHER ITEMS MUST BE DISPOSED OF OFF SITE IN A LEGAL MANNER.

15. ALL WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC AND TO OCCUPANTS OF EXISTING BUILDINGS.

16. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.

A. COORDINATION WITH OTHER CONTRACTS: IF ANY PART OF THIS CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE CONSTRUCTION MANAGER ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE OF THIS CONTRACTOR TO SO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK, EXCEPT AS TO DEFECTS WHICH MAY DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.

B. COORDINATION SCHEDULE: PORTIONS OF WORK UNDER THIS CONTRACTOR'S WORK MUST BE COMPLETED ON SCHEDULE IN ORDER FOR OTHER NOT-IN-CONTRACT WORK TO BE COMPLETED BY OTHERS. COORDINATION WITH THE CONSTRUCTION MANAGER AND STRICT ADHERENCE TO THE COMPLETION DATES FOR DESIGNATED PORTIONS OF WORK ARE IMPERATIVE. SEE SPECIFICATIONS FOR LIQUIDATED DAMAGES.

17. DEMOLITION IS NOT NECESSARILY LIMITED TO ONLY WHAT IS SHOWN ON THIS OR OTHER DRAWINGS OR AS OUTLINED IN THE SPECIFICATIONS. THE INTENT IS TO INDICATE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE PROJECT WITH THE CONSTRUCTION DOCUMENTS.

18. OF PARTICULAR IMPORTANCE IS THE NEED FOR CONTRACTOR TO ASSURE THAT ALL PERSONS ENTERING A POSSIBLY HAZARDOUS AREA, INCLUDING SUPERINTENDENTS, WORKERS, SUBCONTRACTORS, OTHER CONTRACTORS, AND OTHER PERSONS NOT UNDER CONTRACTUAL CONTROL TO THE CONTRACTOR, ARE AWARE OF PROCEDURES.

19. SPECIAL ATTENTION IS CALLED TO THE REQUIREMENT OF THE CONTRACTOR TO COMPLY WITH DSA REQUIREMENTS IN GENERAL AND WITH REGULATIONS INVOLVING ASBESTOS IN PARTICULAR. THESE REGULATIONS ARE STATED IN SECTION 5208, ASBESTOS REGULATIONS, OF TITLE 8, CALIFORNIA CODES OF REGULATIONS. THIS SECTION STIPULATES THAT THE CONTRACTOR MUST INITIATE REPORTS, TESTS, SIGNS AND OTHER ACTIVITIES UNDER CERTAIN JOB CONDITIONS.

20. ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE FIRE STOPPED AND SEALED TO MAINTAIN THE REQUIRED RATING.

21. DETAIL DRAWINGS WITH REFERENCES TO FIRE-RATED ASSEMBLIES OR CONSTRUCTION WHICH HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, THE CALIFORNIA BUILDING CODE OR ANY OTHER APPROVED TESTING AGENCY, SHALL BE CONSTRUED TO INDICATE ALL CONSTRUCTION AND PROCEDURES CONTAINED IN THE REFERENCED ASSEMBLY FOR CONSTRUCTION.

22. CONTRACTOR TO MAINTAIN CONTEMPORANEOUSLY RECORDED "AS-BUILT" INFORMATION OF ALL WORK, WHICH SHALL BE MARKED IN COLOR ON THE DRAWINGS AND SPECIFICATIONS. A SCANNED PDF OF THE "AS-BUILT" DRAWINGS AND SPECIFICATIONS SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE PRIOR TO FINAL APPLICATION FOR PAYMENT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123078 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

CALIFORNIA DESIGN WEST ARCHITECTS, Inc.
2100 19th Street
Sacramento, CA 95818

ARCHITECT:

LICENSED ARCHITECT MITCHELL A. MCALLISTER REN. 02-28-25 STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

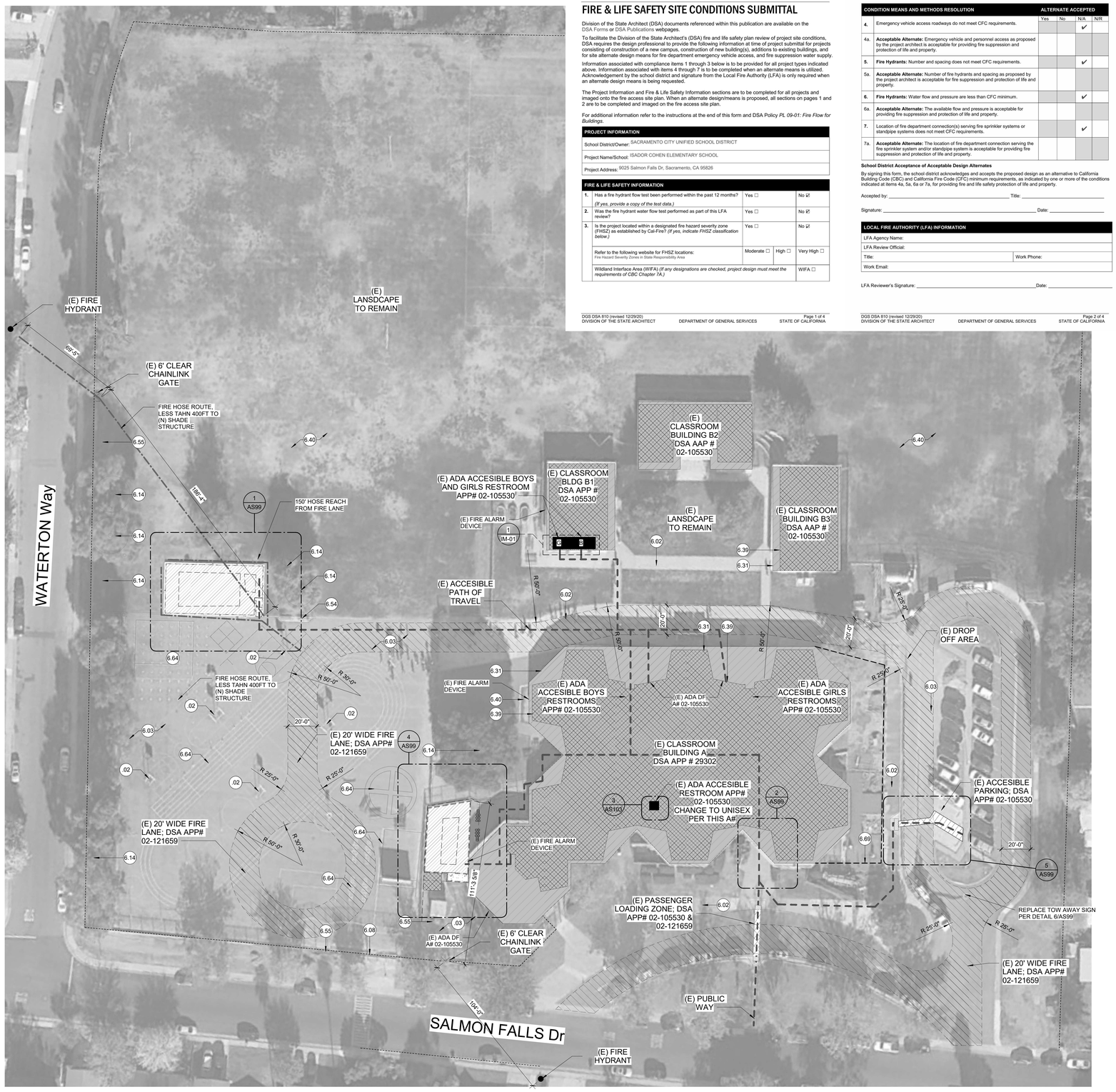
KEY PLAN:

SHEET TITLE:

COVER SHEET

JOB NUMBER:	SHEET NUMBER:
DATE: NOV 7, 2024	**G001**
REVISION:	

C:\Users\asanchez\Documents\A252_IsadorCohen-Site-CENTRAL_asanchez2WTU.rvt



1 OVERALL FIRE AND DEMOLITION SITE PLAN
1" = 30'-0"

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

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

PROJECT INFORMATION	
School District/Owner:	SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
Project Name/School:	ISADOR COHEN ELEMENTARY SCHOOL
Project Address:	9025 Salmon Falls Dr, Sacramento, CA 95826

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: Fire Hazard Severity Zones in State Responsibility Area	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: _____ Title: _____

Signature: _____ Date: _____

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

LFA Reviewer's Signature: _____ Date: _____

GENERAL NOTES

1. ALL COMPONETS, FIXTURES, FINISHES, EQUIPMENT, AND FURNISHINGS EXISTING TO REMAIN SHALL BE PROTECTED FROM DUST OR DAMAGE DURING DEMOLITION AND REMODEL.

2. UTILITIES LOCATED ON WALLS TO REMAIN ARE TO BE PROTECTED AND SHALL REMAIN IN SERVICE. UNLESS OWNER APPROVES SHUTDOWN OF THOSE UTILITIES. UTILITIES ARE TO BE RESTORED TO PRE-DEMOLITION CONDITION DURING CONSTRUCTION.

3. BLACK DASHED LINES SHOW FENCING, GATES, PAVING, EQUIPMENT, ETC. TO BE REMOVED. EXISTING COMPONENTS TO REMAIN ARE SHOWN AS LIGHTER GRAY CONTINUOUS LINES. REFER TO SYMBOL LEGEND BELOW.

4. REFER TO CIVIL AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING SCOPE OF LANDSCAPE DEMOLITION WORK.

5. PROVIDE CONSTRUCTION BARRIER AS REQUIRED BY OWNER.

6. REFER TO CIVIL DEMOLITION PLANS FOR ADDITIONAL PAVING DEMOLITION INFORMATION AND UNDERGROUD UTILITY DEMOLITION.

7. IF ANY ITEM OR FINISH IS DAMAGED DURING DEMOLTION, REMOVAL OR REMODEL, CONTRACTOR SHALL FURNISH TO REPLACE AND/OR MATCH EXISTING ITEM OR FINISH WHICH WAS DAMAGED.

8. FIELD VERIFY ALL DIMENSIONS TO EXISTING CONDITIONS AT START OF CONSTRUCTION. COORDINATE WITH MINIMUM ADA CLEARANCES TO SPECIFIED FIXTURES. NOTIFY ARCHITECT OF ANY DISCREPANCIES OF DIMENSIONS PRIOR TO ANY WORK IN THAT RESPECTIVE AREA.

LEGEND

- 1.01 — KEYED NOTE. MAY SKIP NUMBERS. REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAGS W/O LEADER APPLIES TO ENTIRE ROOM (OR SURFACE) IN WHICH (ON WHICH) THE TAG IS LOCATED.
- PROTECT (E) COMPONENTS TO REMAIN (LIGHTER / GRAY LINES).
- COMPONENTS TO BE DEMOLISHED (OR REMOVED AND SALVAGED) - (BLACK DASHED LINES). REFER TO KEYED NOTES.
- EXISTING BUILDINGS TO REMAIN (NIC), U.O.N.
- LOCATION OF EXISTING ADA-COMPLIANT TOILET FACILITIES VERIFIED ON SITE.
- PROTECT EXISTING TREE ASSEMBLY TO REMAIN, TYP. STAY AWAY FROM ROOT SYSTEM. USE EXTREME CAUTION TO WORK AROUND TREE ROOTS WHERE REQUIRED.
- EXISTING BUILDING CANOPY / OVERHANG N.I.C.
- DEMOLISH EXISTING CONCRETE PAVING / CURBS TYP. SAW-CUT AS REQUIRED. LOCATE SAW-CUT AT NEAREST CONTROL JOINT WHERE APPLICABLE.
- (E) PLAY STRUCUTURE AREA TO BE DEMOLISHED. REMOVE ALL WOOD CHIP FALL PROTECTION. GRADE FOR NEW WORK. REFER TO CIVIL.
- LANDSCAPE / GRASS AREAS TO BE REMOVED AS REQUIRED FOR NEW WORK. REVISE IRRIGATION TO EDGE OF NEW PAVING WORK AS REQUIRED. REFER TO LANDSCAPE DRAWINGS. USE CAUTION TO PROTECT (E) TREE ROOTS TO REMAIN WHERE APPLICABLE.

KEYED NOTES

1.00

.01 PROTECT (E) TETHERBALL POLE TO REMAIN.

.02 PROTECT (E) BASKETBALL POLE AND BACKSTOP ASSEMBLY TO REMAIN.

.03 PROTECT (E) BOLLARDS TO REMAIN.

6.02 (E) CONCRETE WALKWAYS TO REMAIN.

6.03 (E) AC PAVING TO REMAIN.

6.08 6' TALL x 8' WIDE CHAIN-LINK GATE ASSEMBLY.

6.10 (E) COMPLIANT ADA PARKING PER DSA APPLICATION REFER TO POT GENERAL NOTES.

6.14 PROTECT (E) TREE TO REMAIN, TYP.

6.31 PROTECT (E) BUILDING OVERHANG ABOVE TO REMAIN.

6.39 (E) BUILDING TO REMAIN.

6.40 (E) PLANTER / GRASS AREA TO REMAIN.

6.54 (E) OUTDOOR BENCH TO REMAIN

6.55 PROTECT (E) CHAINLINK FENCING ASSEMBLY TO REMAIN.

6.64 (E) TYP COURT STRIPING, TO REMAIN.

6.69 (N) METAL FENCING TO REMAIN, REFER TO APP# 02-105530

PARKING TABULATION				
PARKING AREA	STANDARD	ACCESSIBLE		TOTAL
		STANDARD	VAN	
TOTAL	23	1	1	25

Path of Travel, Technical Requirements for Accessible Route

Accessible Path of travel as indicated on plan is a barrier-free access route without abrupt level changes exceeding ½" if beveled at 1:2 maximum slope or vertical level changes not exceeding ¼" maximum and at least 48" in width. Surface is stable, firm, and slip-resistant. Cross-slope shall not be steeper than 1:48 and slope in the direction of travel shall not be steeper than 1:20. Accessible path of travel shall be maintained free of overhanging obstructions to 80" minimum and free of objects protruding more than 4" from the wall, above 27" and less than 80" above the floor. Architect shall verify that there are no barriers in the path of travel.

Design Professional in General Responsible Charge Statement: The POT identified in these construction documents meets the requirements of the current applicable California Building Code (CBC) accessibility provisions for path of travel requirements for alterations, additions and structural repairs. As part of the design of this project, the POT was examined and any elements, components or portions of the POT that were determined to be non-compliant with the CBC have been identified and 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 portions of the POT that will not be corrected by this project based on valuation threshold limitations or a finding of unreasonable hardship are indicated in these construction documents.
During construction, if POT items within the scope of the project represented as CBC compliant are found to be nonconforming beyond reasonable construction tolerances, the items shall be brought into compliance with the CBC as a part of this project by means of a construction change document.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123078 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

DESIGN California WEST
CALIFORNIA DESIGN WEST ARCHITECTS, Inc.
2100 19th Street
Sacramento, CA 95818

ARCHITECT:

LICENSED ARCHITECT RUSSELL A. MCALLISTER C-29250 REN. 02-28-25 STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:

OVERALL FIRE & DEMOLITION SITE PLAN

JOB NUMBER:	SHEET NUMBER:
DATE: NOV 7, 2024	**AS98**
REVISION:	

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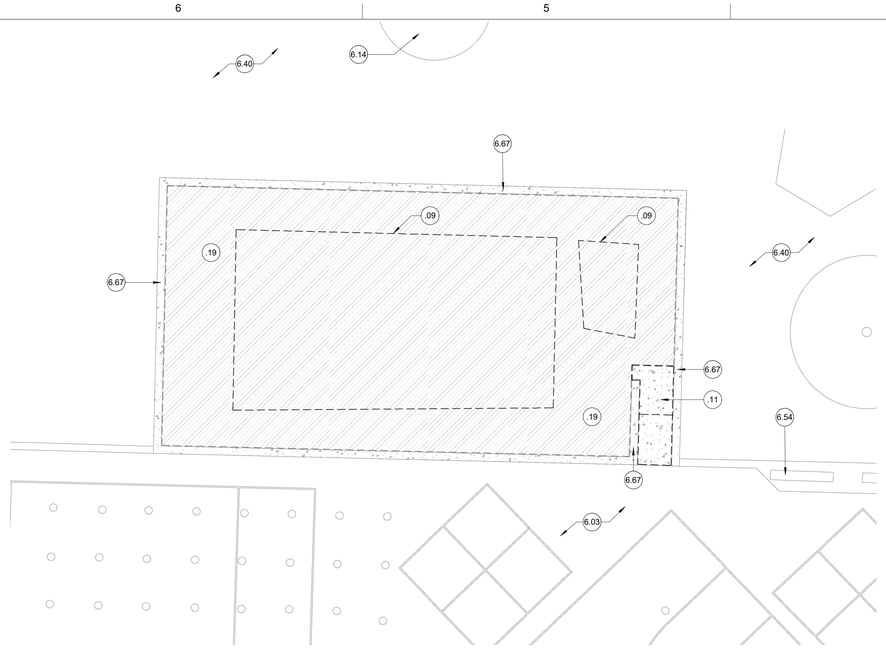
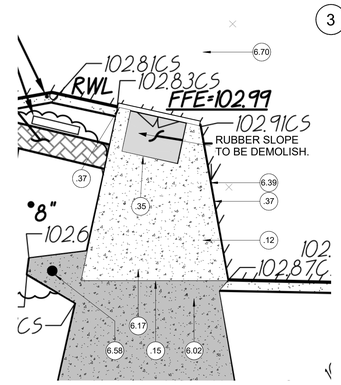


1 MAIN PLAYGROUND AREA ENLARGED DEMO PLAN

1/8" = 1'-0"

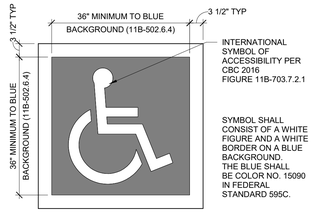
NORTH



2 MAIN ENTRANCE CONCRETE SLOPE DEMO

1/8" = 1'-0"

NORTH



INTERNATIONAL SYMBOL OF ACCESSIBILITY PER CBC 2016 FIGURE 11B-703.7.2.1

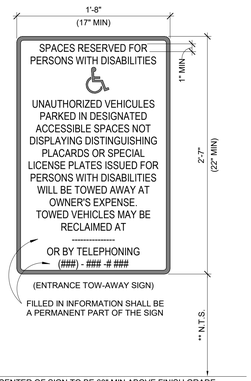
SYMBOL SHALL CONSIST OF A WHITE FIGURE AND A WHITE BORDER ON A BLUE BACKGROUND. THE BLUE SHALL BE COLOR NO. 15090 IN FEDERAL STANDARD 595C.

3 ADA PARKING SYMBOL

3/4" = 1'-0"

5 ENLARGED ADA PARKING PLAN

1/8" = 1'-0"



6 TOW-AWAY SIGNAGE / FLOOR

1 1/2" = 1'-0"

NORTH

4 KINDER PLAYGROUND AREA DEMOLITION PLAN

1/8" = 1'-0"

GENERAL NOTES

1. ALL COMPONETS, FIXTURES, FINISHES, EQUIPMENT, AND FURNISHINGS EXISTING TO REMAIN SHALL BE PROTECTED FROM DUST OR DAMAGE DURING DEMOLITION AND REMODEL.

2. UTILITIES LOCATED ON WALLS TO REMAIN ARE TO BE PROTECTED AND SHALL REMAIN IN SERVICE, UNLESS OWNER APPROVES SHUTDOWN OF THOSE UTILITIES. UTILITIES ARE TO BE RESTORED TO PRE-DEMOLITION CONDITION DURING CONSTRUCTION.

3. BLACK DASHED LINES SHOW FENCING, GATES, PAVING, EQUIPMENT, ETC. TO BE REMOVED. EXISTING COMPONENTS TO REMAIN ARE SHOWN AS LIGHTER GRAY CONTINUOUS LINES. REFER TO SYMBOL LEGEND BELOW.

4. REFER TO CIVIL AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING SCOPE OF LANDSCAPE DEMOLITION WORK.

5. PROVIDE CONSTRUCTION BARRIER AS REQUIRED BY OWNER.

6. REFER TO CIVIL DEMOLITION PLANS FOR ADDITIONAL PAVING DEMOLITION INFORMATION AND UNDERGROUD UTILITY DEMOLITION.

7. IF ANY ITEM OR FINISH IS DAMAGED DURING DEMOLTION, REMOVAL OR REMODEL, CONTRACTOR SHALL FURNISH TO REPLACE AND/OR MATCH EXISTING ITEM OR FINISH WHICH WAS DAMAGED.

8. FIELD VERIFY ALL DIMENSIONS TO EXISTING CONDITIONS AT START OF CONSTRUCTION. COORDINATE WITH MINIMUM ADA CLEARANCES TO SPECIFIED FIXTURES. NOTIFY ARCHITECT OF ANY DISCREPANCIES OF DIMENSIONS PRIOR TO ANY WORK IN THAT RESPECTIVE AREA.

LEGEND

- 1.01 — KEYED NOTE. MAY SKIP NUMBERS. REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAGS W/O LEADER APPLIES TO ENTIRE ROOM (OR SURFACE) IN WHICH (ON WHICH) THE TAG IS LOCATED.
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- COMPONENTS TO BE DEMOLISHED (OR REMOVED AND SALVAGED) - (BLACK DASHED LINES). REFER TO KEYED NOTES.
- EXISTING BUILDINGS TO REMAIN (NIC), U.O.N.
- SAW-CUT (E) ASPHALT PAVING WHERE REQUIRED AND DEMOLISH. PREP FOR NEW PAVING. LIME-TREAT PER GEOTECH. REFER TO CIVIL.
- DEMOLISH EXISTING CONCRETE PAVING / CURBS TYP. SAW-CUT AS REQUIRED. LOCATE SAW-CUT AT NEAREST CONTROL JOINT WHERE APPLICABLE.
- (E) PLAY STRUCUTURE AREA TO BE DEMOLISHED. REMOVE ALL WOOD CHIP FALL PROTECTION. GRADE FOR NEW WORK. REFER TO CIVIL.

1.00 KEYED NOTES

.09 DEMOLISH (E) PLAY STRUCTURE AND ASSOCIATED FOOTINGS. BACKFILL WITH ENGINEERED FILL PER SPECS.

.11 DEMOLISH (E) CONCRETE WALK / RAMP OR SLOPED WALK AS SHOWN. PROTECT ALL (E) ADJACENT PAVING AND (E) ADJACENT CURBS TO REMAIN.

.12 DEMOLISH (E) AC PAVING. SAW-CUT ALONG (E) EDGE TO REMAIN.

.15 SAW-CUT AS REQUIRED ALONG (E) PAVING TO REMAIN. PROTECT EDGE.

.18 DEMOLISH (E) PLAY AREA WOOD AND METAL POST PERIMETER CURB AND ASSOCIATED FOOTINGS, TYP.

.19 DEMOLISH (E) BARK FILL / FALL PROTECTION. GRADE FOR NEW PLAY STRUCTURE AND POURED-IN-PLACE SURFACING. REFER TO CIVIL.

.23 PROTECT (E) LANDSCAPE AREA TO REMAIN, U.O.N.

.35 (E) SURFACE-APPLIED RUBBER SLOPE STOOP TO BE DEMOLISHED.

.37 SAW-CUT (E) PAVING TIGHT / FLUSH WITH FACE OF (E) BRICK VENEER. PROTECT (E) BRICK VENEER PAVING TO REMAIN. PROTECT (E) BEARING CONCRETE PAVING BELOW BRICK VENEER TO REMAIN.

6.02 (E) CONCRETE WALKWAYS TO REMAIN.

6.03 (E) AC PAVING TO REMAIN.

6.06 (E) 6' HIGH CHAINLINK FENCING ASSEMBLY. REMOVE, SALVAGE AND REINSTALL GATES AND FENCE FABRIC AFTER NEW CONCRETE WORK IS COMPLETE WHERE REQUIRED FOR WORK. PROVIDE NEW CONNECTION HARDWARE, TYP. (E) POSTS TO REMAIN. EXTEND POSTS (IF NECESSARY) TO NEW FENCE HEIGHT AT NEW GRADES. REFER TO CIVIL.

6.14 PROTECT (E) TREE TO REMAIN, TYP.

6.17 PATCH BACK AC PAVING. REFER TO CIVIL.

6.32 PROTECT (E) BUILDING COLUMN TO REMAIN.

6.39 (E) BUILDING TO REMAIN.

6.40 (E) PLANTER / GRASS AREA TO REMAIN.

6.43 (E) SHADE STRUCTURE CANOPY PROJECTION TO REMAIN

6.53 (E) STORAGE SHED TO BE REMOVED AND RETURNED TO DISTRICT. CONTRACTOR TO CORRDINATE WITH DISTRICT FOR OFFSITE STORAGE LOCATION

6.54 (E) OUTDOOR BENCH TO REMAIN

6.55 PROTECT (E) CHAINLINK FENCING ASSEMBLY TO REMAIN.

6.56 (E) 8" HEIGHT CHAINLINK FENCING ASSEMBLY TO REMAIN

6.58 PROTECT (E) FLAGPOLE ASSEMBLY TO REMAIN

6.65 (E) BALL-WALL TO REMAIN.

6.67 PROTECT (E) CONCRETE CURB TO REMAIN, TYP.

6.70 (E) CLASSROOM BUILDING TO REMAIN, PROTECT MAIN DOOR ENTRANCE AND HALWAY INSIDE OF THE BUILDING DURING REMODEL WORKS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123078 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

CALIFORNIA DESIGN
WEST ARCHITECTS, Inc.
2100 19th Street
Sacramento, CA 95818

ARCHITECT:

LICENSED ARCHITECT
RUSSELL A. McALISTER
REN. 02-28-25
STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:

ENLARGED ARCH'L SITE DEMOLITION PLANS

JOB NUMBER:	SHEET NUMBER:
DATE: NOV 7, 2024	**AS99**
REVISION:	

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1 OVERALL ARCHITECTURAL SITE PLAN
1" = 30'-0"

NORTH

GENERAL NOTES

1. PROTECT EDGES OF EXISTING PAVING TO REMAIN. EXISTING ADJACENT CONCRETE PAVING, BUILDINGS AND BUILDING COMPONENTS SHALL REMAIN CLEAN.
2. ALL REPLACEMENT PAVING IN OPEN COURTYARD AREAS SHALL MAINTAIN 2% MAXIMUM SLOPE IN ANY DIRECTION. REFER TO CIVIL.
3. REFER TO ENLARGED PLAN CALLOUTS FOR INFORMATION WITHIN THE CALLOUT BUBBLE.
4. REFER TO OVERALL ARCHITECTURAL SITE PLAN FOR GATE TAGS AND GATE CALLOUTS. REFER TO SPECS FOR GATE HARDWARE.

LEGEND

- EXISTING CAMPUS BUILDINGS N.I.C. UNLESS OTHERWISE NOTED.
- EXISTING BUILDING CANOPY / OVERHANG N.I.C.
- POURED-IN-PLACE PLAYGROUND FALL-PROTECTION ASSEMBLY. COORDINATE HEIGHT WITH CRITICAL FALL-HEIGHT PROTECTION REQUIRED. REFER TO CIVIL FOR DRAINAGE.
- 1.01 KEYED NOTE. MAY SKIP NUMBERS. REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAGS W/O LEADER APPLIES TO ENTIRE ROOM (OR SURFACE) IN WHICH (ON WHICH) THE TAG IS LOCATED. NOT EVERY COMPONENT IS TAGGED - IF NOTE INDICATES, TYPICAL, THE NOTE APPLIES TO ALL MATCHING / REPEATING GRAPHICAL SYMBOLS.
- NEW ASPHALT PAVING OVER AGG BASE OVER PREPPED SUB GRADE - U.O.N. REFER TO CIVIL FOR VARYING SECTION LOCATIONS AND REQUIRED SUB-GRADE PREPARATION.
- CONCRETE OVER AGG BASE OVER PREPPED SUB-GRADE, TYP. REFER TO CIVIL FOR TYPICAL PAVING SECTIONS AND REINFORCING.
- CONTROL JOINTS APPROXIMATELY 6'-7.5" O.C; EQUALLY SPACED AT EACH AREA, TYP. (THINNER LINES)
- EXPANSION JOINT, TYP. (HEAVIER LINES)
- PROTECT EXISTING TREE ASSEMBLY TO REMAIN, TYP. STAY AWAY FROM ROOT SYSTEM. USE EXTREME CAUTION TO WORK AROUND (E) TREE ROOTS TO REMAIN WHERE REQUIRED.

KEYED NOTES

1.00

.01 PROTECT (E) TETHERBALL POLE TO REMAIN.

.02 PROTECT (E) BASKETBALL POLE AND BACKSTOP ASSEMBLY TO REMAIN.

.23 PROTECT (E) LANDSCAPE AREA TO REMAIN, U.O.N.

6.02 (E) CONCRETE WALKWAYS TO REMAIN.

6.03 (E) AC PAVING TO REMAIN.

6.10 (E) COMPLIANT ADA PARKING PER DSA APPLICATION REFER TO POT GENERAL NOTES.

6.14 PROTECT (E) TREE TO REMAIN, TYP.

6.31 PROTECT (E) BUILDING OVERHANG ABOVE TO REMAIN.

6.39 (E) BUILDING TO REMAIN.

6.54 (E) OUTDOOR BENCH TO REMAIN

6.55 PROTECT (E) CHAINLINK FENCING ASSEMBLY TO REMAIN.

6.57 PROTECT (E) PLAY BACKSTOP CHAINLINK ASSEMBLY TO REMAIN.

6.65 (E) BALL-WALL TO REMAIN.

PARKING TABULATION

PARKING AREA	STANDARD	ACCESSIBLE		TOTAL
		STANDARD	VAN	
TOTAL	23	1	1	25

IDENTIFICATION STAMP
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DATE: 01/27/2025

CALIFORNIA DESIGN WEST ARCHITECTS, Inc.
2100 19th Street
Sacramento, CA 95818

ARCHITECT:

LICENSED ARCHITECT RUSSELL A. McALISTER REN. 02-28-25 STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

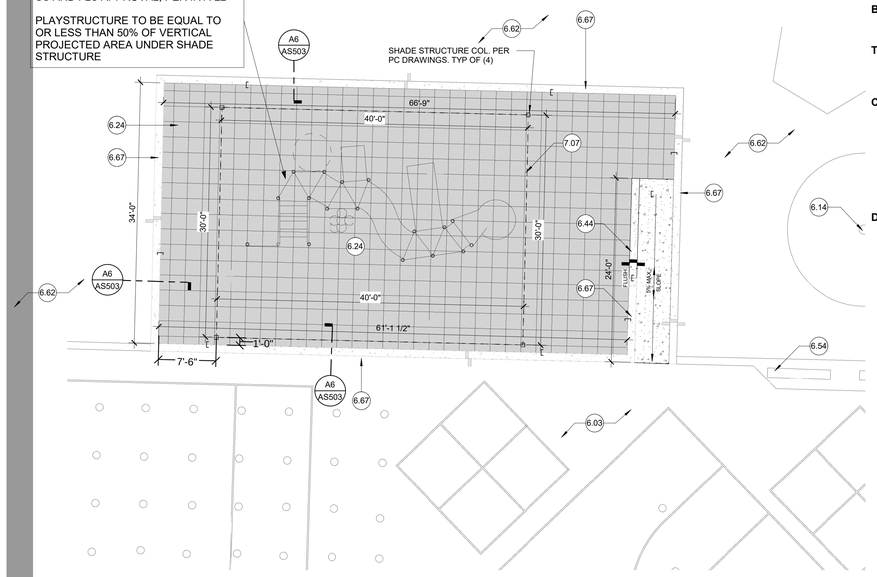
SHEET TITLE:
OVERALL ARCHITECTRUAL SITE PLAN

JOB NUMBER:	SHEET NUMBER:
DATE: NOV 7, 2024	**AS100**
REVISION:	

C:\Users\asanchez\Documents\A22_Isador\Cohen-Site-CENTRAL_asanchez2WV7U.rvt

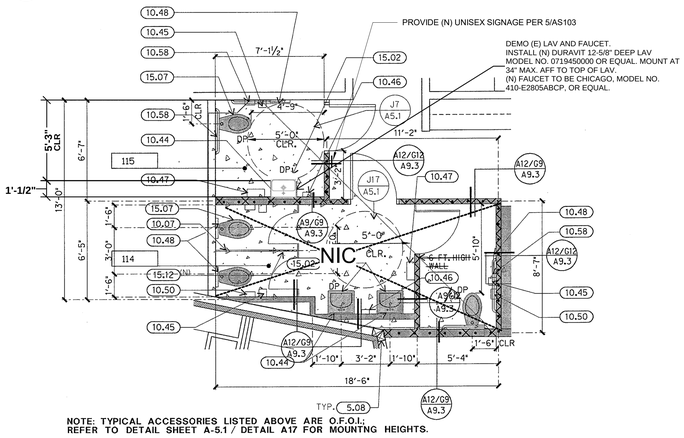
PLAYSTRUCTURE NOT PART OF DSA SS AND FLS APPROVAL, PER IR A-22

PLAYSTRUCTURE TO BE EQUAL TO OR LESS THAN 50% OF VERTICAL PROJECTED AREA UNDER SHADE STRUCTURE



1 MAIN AREA ENLARGED ARCH. SITE PLAN
1/8" = 1'-0"

NORTH

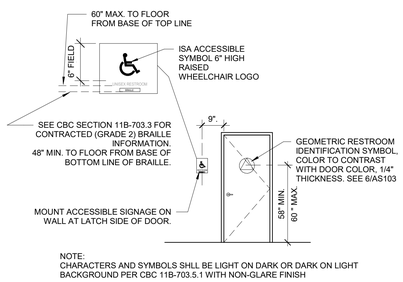


NOTE: TYPICAL ACCESSORIES LISTED ABOVE ARE O.F.O.I.; REFER TO DETAIL SHEET A-5.1 / DETAIL A17 FOR MOUNTNG HEIGHTS.

WOMENS & MENS RESTROOM ALTERATION PLAN- ROOMS 115, 114

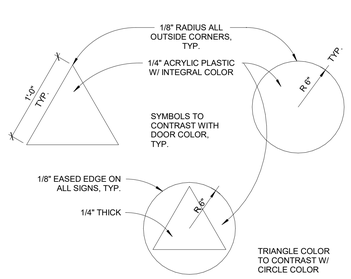
1/4"=1'-0"

3 (E) ACCESSIBLE RR - A#02-105530
12" = 1'-0"



NOTE:
CHARACTERS AND SYMBOLS SHLL BE LIGHT ON DARK OR DARK ON LIGHT BACKGROUND PER CBC 11B-703.5.1 WITH NON-GLARE FINISH

5 RESTROOM SIGNAGE
3" = 1'-0"



6 ADA_SIGN1
1 1/2" = 1'-0"

CODE ANALISYS.

BUILDING FUNCTION: SHADE STRUCTURE OVER PLAY EQUIPMENT

BUILDING USE CLASSIFICATION (SECTION 302) :
BUILDING OCCUPANCY: E

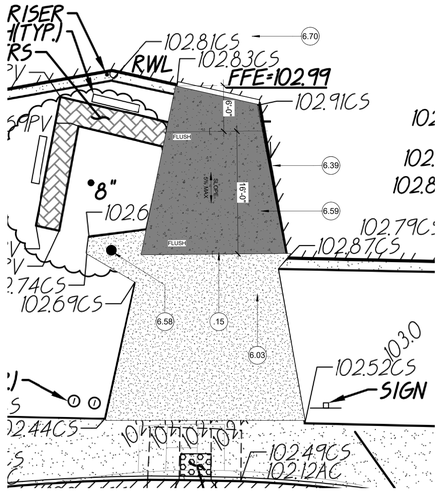
TYPE OF CONSTRUCTION (TABLE 601):
TYPE II-B:
FIRE-RESISTANCE RATING REQUIREMENTS:
0-HR PRIMARY STRUCTURE

CHAPTER 5 - BUILDING HEIGHT AND AREA (TABLE 504.3 & 506.2):
OCCUPANCY E, CONST. TYPE II-B:
NO FIRE SPRINKLERS
WITHOUT AREA INCREASE

ALLOWABLE:	ACTUAL DESIGN:
CALSS E	
40' HEIGHT	20' HEIGHT
1 STORY	1 STORY
9,500 GSF	1,200 GSF

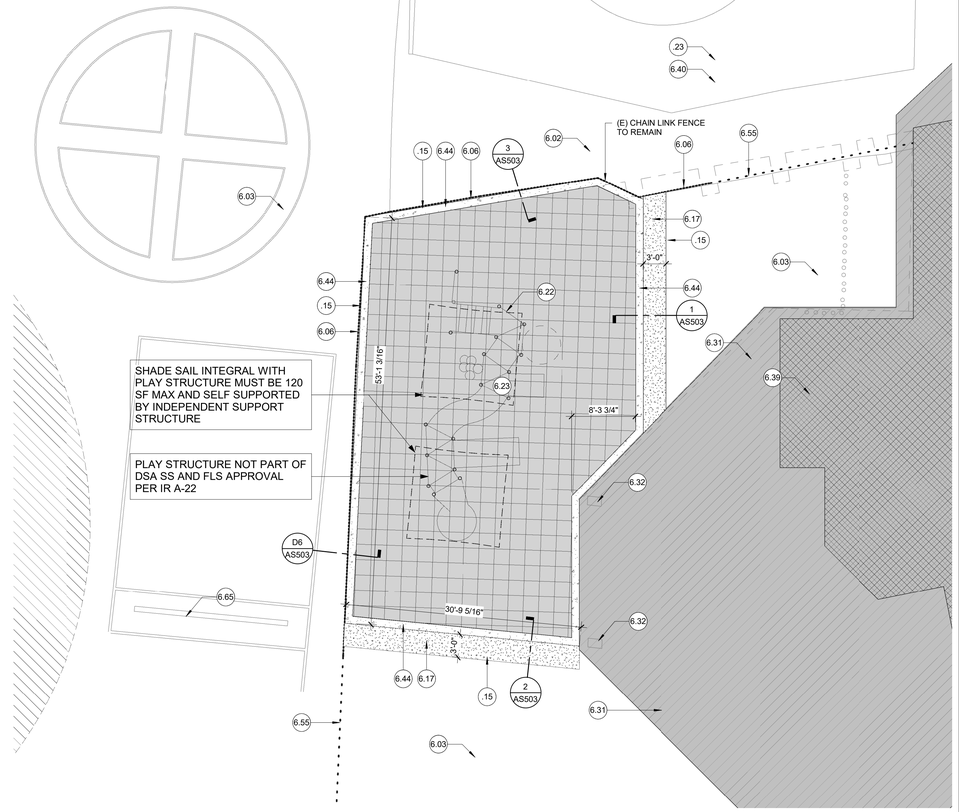
DSA IR 31-1 FREE-STANDING OPEN-SIDED SHADE STRUCTURE:

9.2: OCCUPANT LOAD 1/20 SF
1200 SF / 20 =60 OCCUPANTS



2 MAIN ENTRANCE CONCRETE SLOPE NEW WALKWAY
1/8" = 1'-0"

NORTH



4 KINDER AREA ENLARGED ARCH. SITE PLAN
1/8" = 1'-0"

NORTH

GENERAL NOTES

1. PROTECT EDGES OF EXISTING PAVING TO REMAIN. EXISTING ADJACENT CONCRETE PAVING, BUILDINGS AND BUILDING COMPONENTS SHALL REMAIN CLEAN.
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3. REFER TO ENLARGED PLAN CALLOUTS FOR INFORMATION WITHIN THE CALLOUT BUBBLE.
4. REFER TO OVERALL ARCHITECTURAL SITE PLAN FOR GATE TAGS AND GATE CALLOUTS. REFER TO SPECS FOR GATE HARDWARE.

LEGEND

- EXISTING CAMPUS BUILDINGS N.I.C. UNLESS OTHERWISE NOTED.
- EXISTING BUILDING CANOPY / OVERHANG N.I.C.
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- CONCRETE OVER AGG BASE OVER PREPPED SUB-GRADE, TYP. REFER TO CIVIL FOR TYPICAL PAVING SECTIONS AND REINFORCING.
- CONTROL JOINTS APPROXIMATELY 6'-7.5" O.C; EQUALLY SPACED AT EACH AREA, TYP. (THINNER LINES)
- EXPANSION JOINT, TYP. (HEAVIER LINES)
- PROTECT EXISTING TREE ASSEMBLY TO REMAIN, TYP. STAY AWAY FROM ROOT SYSTEM. USE EXTREME CAUTION TO WORK AROUND (E) TREE ROOTS TO REMAIN WHERE REQUIRED.
- (E) CHAIN LINK FENCE TO REMAIN

1.00 KEYED NOTES

.15 SAW-CUT AS REQUIRED ALONG (E) PAVING TO REMAIN. PROTECT EDGE.

.23 PROTECT (E) LANDSCAPE AREA TO REMAIN, U.O.N.

6.02 (E) CONCRETE WALKWAYS TO REMAIN.

6.03 (E) AC PAVING TO REMAIN.

6.06 (E) 6' HIGH CHAINLINK FENCING ASSEMBLY. REMOVE, SALVAGE AND REINSTALL GATES AND FENCE FABRIC AFTER NEW CONCRETE WORK IS COMPLETE WHERE REQUIRED FOR WORK. PROVIDE NEW CONNECTION HARDWARE, TYP. (E) POSTS TO REMAIN. EXTEND POSTS (IF NECESSARY) TO NEW FENCE HEIGHT AT NEW GRADES. REFER TO CIVIL.

6.14 PROTECT (E) TREE TO REMAIN, TYP.

6.17 PATCH BACK AC PAVING. REFER TO CIVIL.

6.22 NEW PLAY STRUCTURE ASSEMBLY/COMPONENTS. REFER TO PLAY STRUCTURE SPECS & DRAWINGS.

6.23 3" POURED-IN-PLACE FALL PROTECTION ASSEMBLY BY OWNER. CONTRACTOR TO PROVIDE AND MAINTAIN TEMP FENCING AROUND PLAY AREA UNTIL PLAY EQUIPMENT AND PIP SURFACING IS COMPLETE.

6.24 3-3/4" POURED-IN-PLACE FALL PROTECTION ASSEMBLY BY OWNER. CONTRACTOR TO PROVIDE AND MAINTAIN TEMP FENCING AROUND PLAY AREA UNTIL PLAY EQUIPMENT AND PIP SURFACING IS COMPLETE.

6.31 PROTECT (E) BUILDING OVERHANG ABOVE TO REMAIN.

6.32 PROTECT (E) BUILDING COLUMN TO REMAIN.

6.39 (E) BUILDING TO REMAIN.

6.40 (E) PLANTER / GRASS AREA TO REMAIN.

6.44 (N)12" THICK x ~11' LONG CONCRETE SEATWALL / CURB EXTENSION TO MATCH EXISTING. LENGTH AS REQUIRED FOR NEW CONCRETE SLOPED WALK TO ACCESS TOP OF PIP SURFACING. SLOPED WALK TO BE AT 5% MAXIMUM SLOPE. REFER TO CIVIL.

6.54 (E) OUTDOOR BENCH TO REMAIN

6.55 PROTECT (E) CHAINLINK FENCING ASSEMBLY TO REMAIN.

6.58 PROTECT (E) FLAGPOLE ASSEMBLY TO REMAIN

6.59 (N) AC. CONCRETE PAVING TO MATCH EXISTING CONCRETE PAVING LEVEL. REFER TO CIVIL FOR SPECIFICATIONS

6.62 (N) TURF AREA TREATED TO RECEIVE NEW GRASS AND PLANTER (EXISTING PROTECTED SPECIES OF TREES TO REMAIN)

6.65 (E) BALL-WALL TO REMAIN.

6.67 PROTECT (E) CONCRETE CURB TO REMAIN, TYP.

6.70 (E) CLASSROOM BUILDING TO REMAIN, PROTECT MAIN DOOR ENTRANCE AND HALWAY INSIDE OF THE BUILDING DURING REMODEL WORKS.

7.07 (N) FABRIC SHADE STRUCTURE REFER TO PC DRAWING FOR DETAILS AND ANCHORAGE.

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APP: 02-123078 INC:
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DATE: 01/27/2025

CALIFORNIA DESIGN WEST ARCHITECTS, Inc.
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ARCHITECT:

LICENSED ARCHITECT RUSSELL A. McALISTER C-26020 REN. 02-28-25 STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:

PLAY APPARATUS AREAS ENLARGED ARCH'L SITE PLANS

JOB NUMBER:	SHEET NUMBER:
	AS103

DATE: NOV 7, 2024

REVISION:

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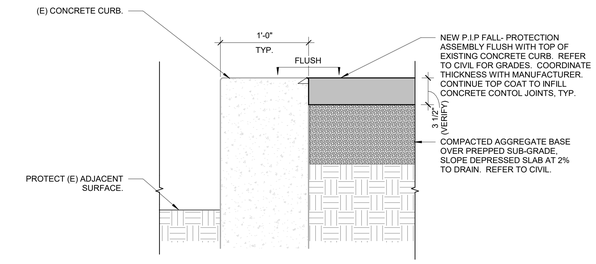
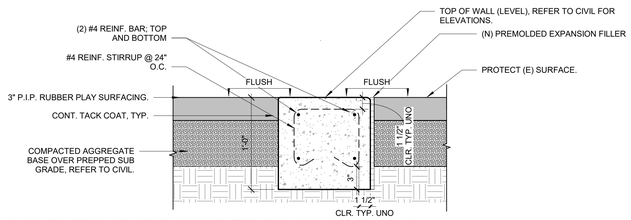
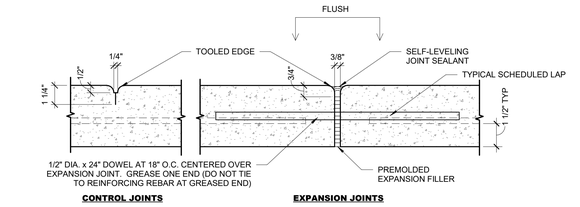


A6 (E) CURB @ PLAY AREA
1 1/2" = 1'-0"

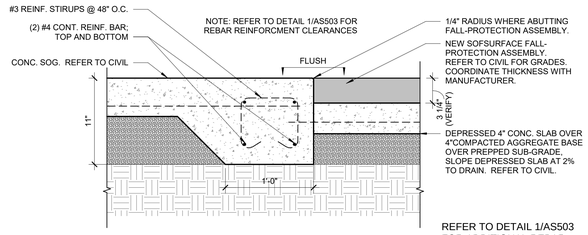


1 12" CURB @ PIP KINDER PLAY AREA 01
1 1/2" = 1'-0"



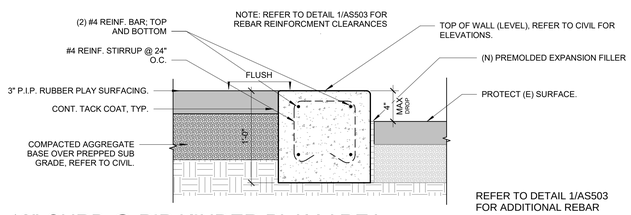
THESE DETAILS APPLY TO EXTERIOR SLAB-ON-GRADE CONDITIONS ONLY. REFER TO STRUCTURAL DRAWINGS FOR INTERIOR SLAB-ON GRADE CONDITIONS.

E5 TYP. CONCRETE JOINTS
3" = 1'-0"



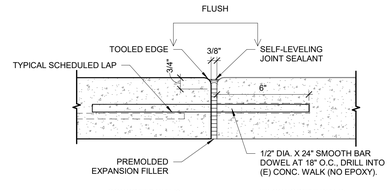
REFER TO DETAIL 1/AS503 FOR ADDITIONAL REBAR DIMS.

B6 PIP SURFACE PLAY AREA TO CONC.
1 1/2" = 1'-0"

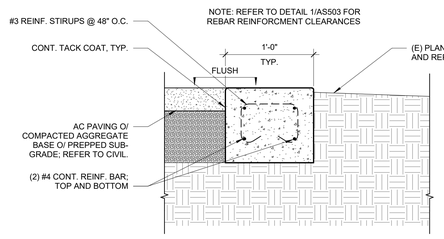


REFER TO DETAIL 1/AS503 FOR ADDITIONAL REBAR DIMS.

2 12" CURB @ PIP KINDER PLAY AREA
1 1/2" = 1'-0"

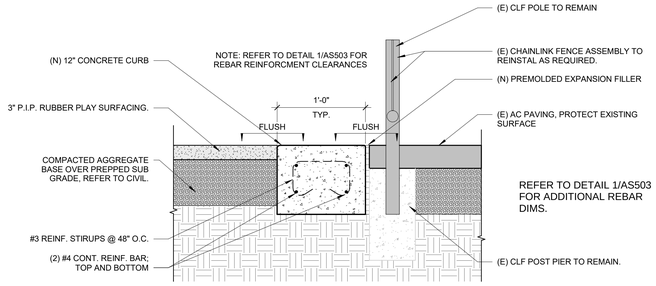


E3 EXPANSION JOINT TO (E) CONC.
3" = 1'-0"



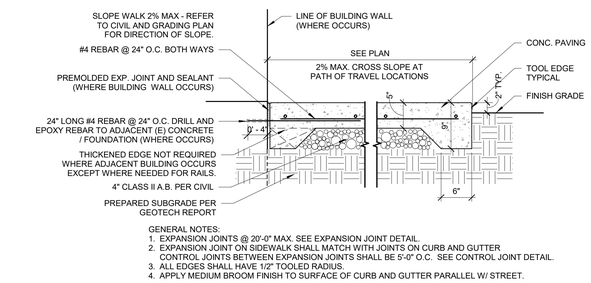
REFER TO DETAIL 1/AS503 FOR ADDITIONAL REBAR DIMS.

C6 12" CURB @ KINDER PLAY AREA AT PLANTER
1 1/2" = 1'-0"



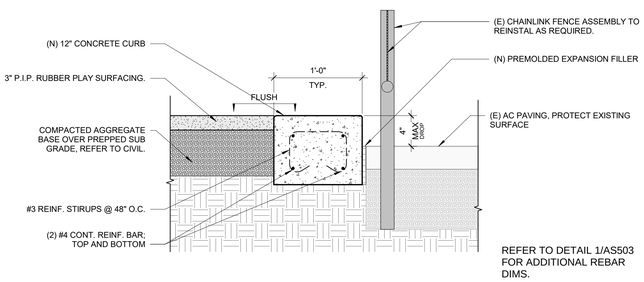
REFER TO DETAIL 1/AS503 FOR ADDITIONAL REBAR DIMS.

3 12" CURB @ KINDER AREA. 01
1 1/2" = 1'-0"



GENERAL NOTES:
1. EXPANSION JOINTS @ 20'-0" MAX. SEE EXPANSION JOINT DETAIL.
2. EXPANSION JOINT ON SIDEWALK SHALL MATCH WITH JOINTS ON CURB AND GUTTER CONTROL JOINTS BETWEEN EXPANSION JOINTS SHALL BE 5'-0" O.C. SEE CONTROL JOINT DETAIL.
3. ALL EDGES SHALL HAVE 1/2" TOOLED RADIUS.
4. APPLY MEDIUM BROOM FINISH TO SURFACE OF CURB AND GUTTER PARALLEL W/ STREET.

E2 TYP CONC. PAVING
1" = 1'-0"



REFER TO DETAIL 1/AS503 FOR ADDITIONAL REBAR DIMS.

D6 12" CURB @ KINDER AREA.
1 1/2" = 1'-0"

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2100 19th Street
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ARCHITECT:

LICENSED ARCHITECT RUSSELL A. MCALISTER STATE OF CALIFORNIA REN. 02-28-25

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PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:
SITE DETAILS

JOB NUMBER:

SHEET NUMBER:
AS503

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NOV 7, 2024

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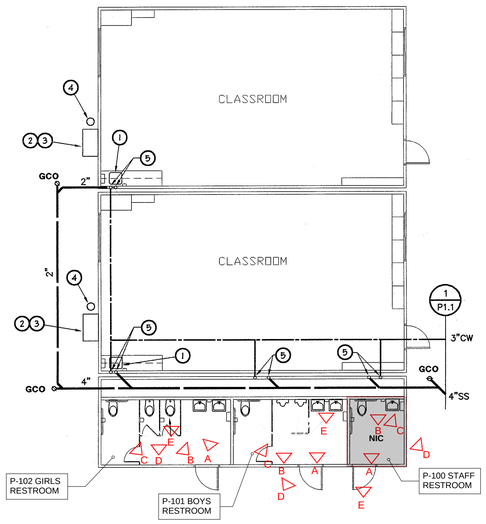
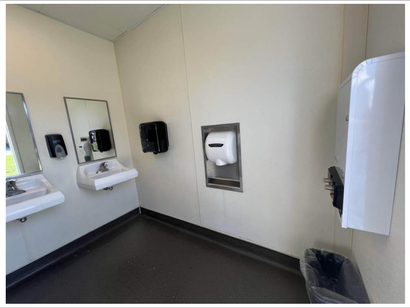
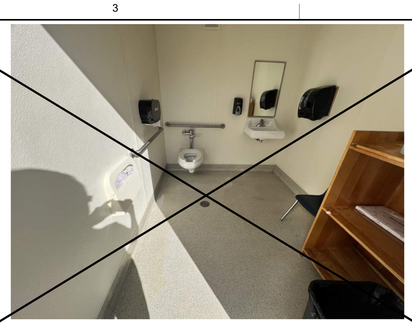


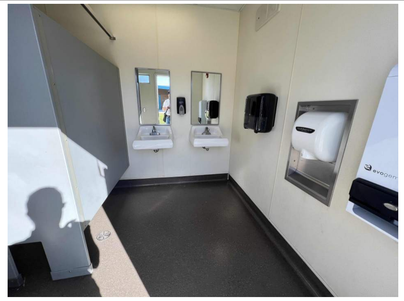
1 EXISTING FLOOR PLAN.



P-102 GILRS RESTROOM -A. FIELD VERIFIED CONDITIONS

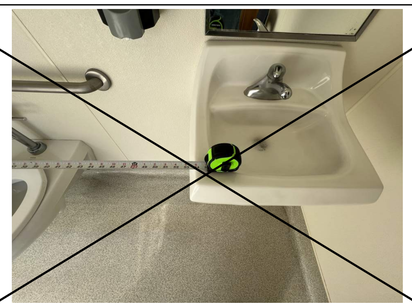


P-100 STAFF RESTROOM -A.

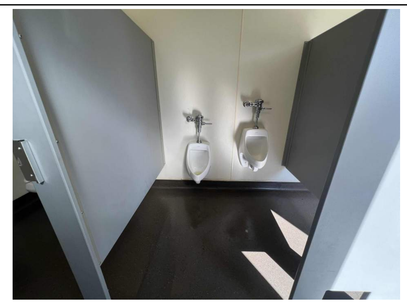


P-101 BOYS RESTROOM -A. FIELD VERIFIED CONDITIONS

P-102 GILRS RESTROOM -B. FIELD VERIFIED CONDITIONS



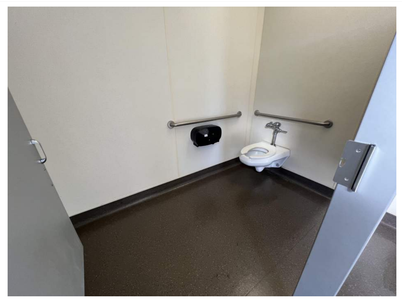
P-100 STAFF RESTROOM -B.



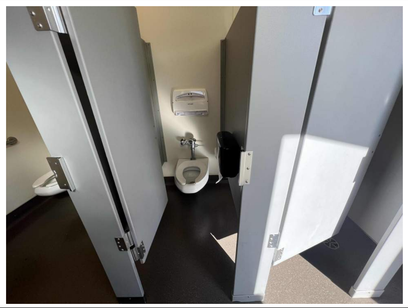
P-101 BOYS RESTROOM -B. FIELD VERIFIED CONDITIONS

P-102 GILRS RESTROOM -C. FIELD VERIFIED CONDITIONS

P-100 STAFF RESTROOM -C.



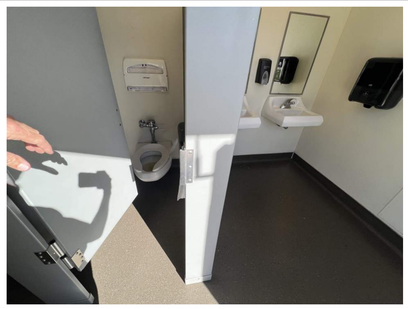
P-101 BOYS RESTROOM -C. FIELD VERIFIED CONDITIONS



P-102 GILRS RESTROOM -D. FIELD VERIFIED CONDITIONS

P-100 STAFF RESTROOM -D.

P-101 BOYS RESTROOM -D. FIELD VERIFIED CONDITIONS



P-102 GILRS RESTROOM -E. FIELD VERIFIED CONDITIONS

P-100 STAFF RESTROOM -E.

P-101 BOYS RESTROOM -E. FIELD VERIFIED CONDITIONS

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2100 19th Street
Sacramento, CA 95818

ARCHITECT:

LICENSED ARCHITECT
RUSSELL A. McALISTER
EXP. 08-31-25
REN. 02-28-25
STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:
PICTURES

JOB NUMBER:	SHEET NUMBER:
DATE: NOV 7, 2024	**IM-01**
REVISION:	

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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, IF STAKED BY OTHERS. 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 ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.

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 HYDRO SEEDED 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.

CIVIL ABBREVIATIONS AND LEGEND

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
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
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
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
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
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
TPS	TOP OF PLAY SURFACE
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

CIVIL SHEET INDEX

DEMOLITION GENERAL NOTES

1. 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.
2. NO BURNING OR BLASTING SHALL BE PERMITTED.
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 TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN 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 DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
7. 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 EXTEND.
8. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
9. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
10. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.

CONCRETE SAWCUT NOTE

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.

UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, LOCATE AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

PAVING GENERAL NOTES

1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS S PECIFICATION SECTION 39, AND PROJECT SPECIFICATIONS
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE. REFERENCE CALTRANS SPECIFICATION SECTION 26. AND PROJECT SPECIFICATIONS
3. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.

CONCRETE DESIGN

DESIGN STRENGTH:
4000PSI 28 DAY STRENGTH
1 INCH MAX AGGREGATE SIZE

SLUMP LIMITS:
PROVIDE CONCRETE, AT POINT OF FINAL DISCHARGE, 4 INCH ±1" MAX SLUMP

ADMIXTURES:
PROVIDE AN APPROVED AIR ENTRAINING ADMIXTURE TO ALL CONCRETE PAVING. RATE 3.0% – 4.5%

EXPANSION AND CONTROL JOINTS:
PLACE EXPANSION JOINTS AT 20' O.C. MAX AND CONTROL JOINTS AT 10' O.C. MAX. OR AS SHOWN ON DRAWINGS.

CONCRETE FINISHES:
MEDIUM BROOM FINISH

CONCRETE CURING:
APPLY CURING COMPOUND ON FINISHED SURFACE OF TROWELED CONCRETE IMMEDIATELY AFTER PLACING AND FINISHING; IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.

GENERAL PAVING SURFACE NOTES:

1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0% AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
   - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO — NO. C74696 — STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123078 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

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2100 19th Street
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ARCHITECT

LICENSED ARCHITECT — RUSSELL A. MCALLISTER — REN. 02-28-25 — STATE OF CALIFORNIA

CONSULTANT:

WARREN CONSULTING ENGINEERS, INC.
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EL DORADO HILLS, CA 95762 | (916) 985-1870

PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:

CIVIL GENERAL NOTES AND ABBREVIATIONS

JOB NUMBER:	SHEET NUMBER:
DATE: JAN 9, 2025	**C0.1**
REVISION:	

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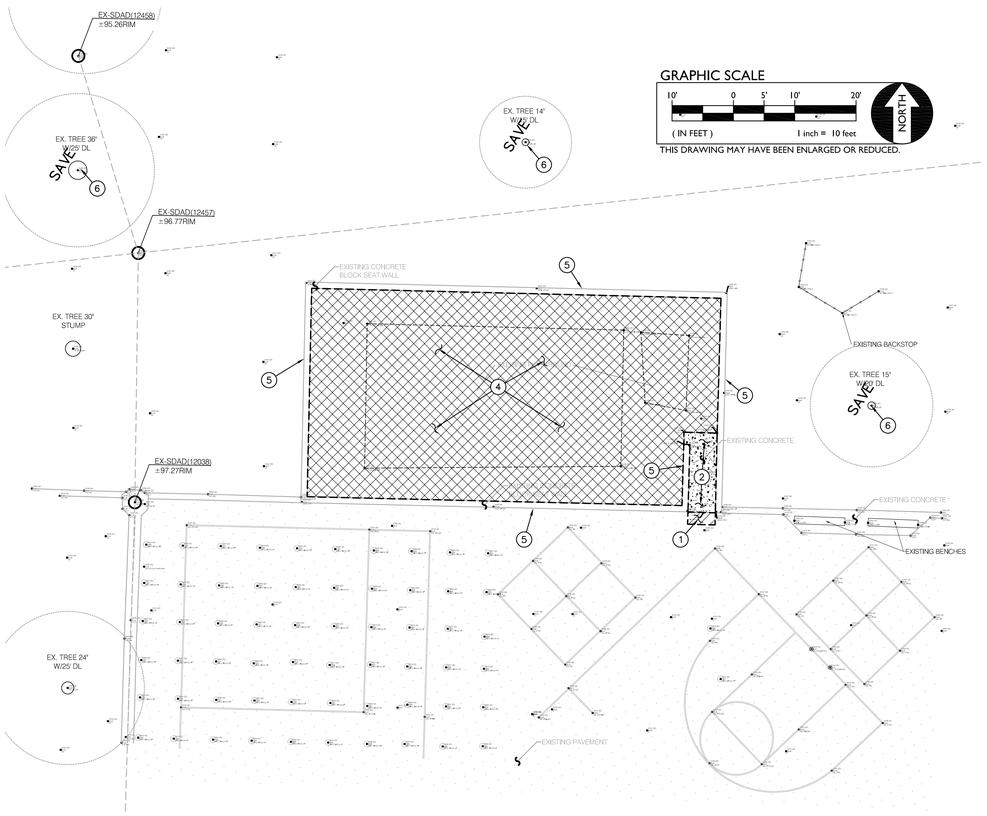


GRAPHIC SCALE

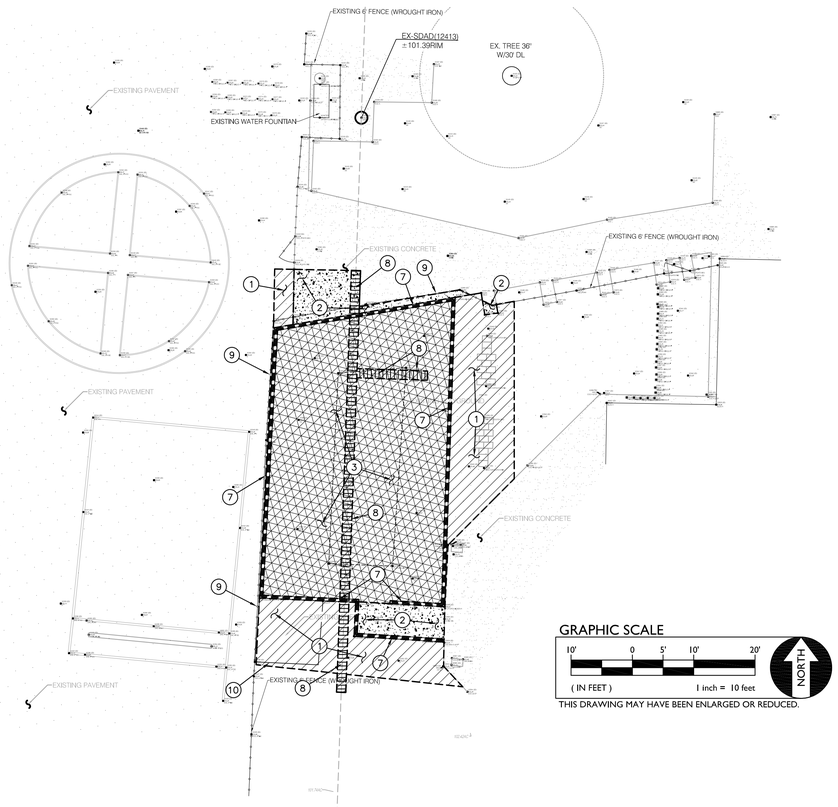
10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

MAIN PLAYGROUND AREA



GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

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KINDER PLAYGROUND AREA

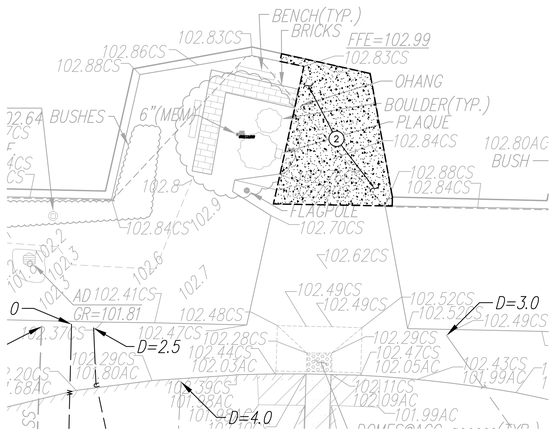
GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



MAIN ENTRANCE

DEMOLITION NOTES

1. REMOVE EXISTING ASPHALT PAVING AND AGGREGATE BASE. WHERE SAWCUT EDGES ARE SHOWN, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
2. REMOVE EXISTING CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
3. REMOVE AND DISPOSE OF EXISTING APPARATUS, BARK, ASPHALT AND AGGREGATE BASE.
4. REMOVE AND DISPOSE OF EXISTING APPARATUS, BARK, FILTER FABRIC, ETC.
5. SAVE AND PROTECT EXISTING CONCRETE SEATWALL APPARATUS AREA BORDER.
6. EXISTING TREE TO REMAIN AND TO BE PROTECTED.
7. REMOVE AND DISPOSE OF EXISTING WOOD HEADER BOARD APPARATUS BORDER.
8. REMOVE AND DISPOSE OF EXISTING STORM DRAIN AND INLET.
9. CHAINLINK FENCE TO BE SAVED AND PROTECTED. REMOVE FENCE FABRIC AS NECESSARY TO PERFORM WORK AND REINSTALL UPON COMPLETION.
10. REMOVE AND SALVAGE SHED AND RETURN TO THE DISTRICT.

FENCING NOTE

SEE ARCHITECTURAL PLANS FOR EXISTING FENCING REMOVAL AND REPLACEMENT.

IRRIGATION DEMOLITION NOTE

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. SEE LANDSCAPE PLANS FOR FURTHER DIRECTION.

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74686
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

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LICENSED ARCHITECT
RUSSELL A. MCALISTER
EXP. 08-31-2026
REN. 02-28-25
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PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:

DEMOLITION PLAN

JOB NUMBER:	SHEET NUMBER:
DATE: JAN 9, 2025	**C1.1**
REVISION:	

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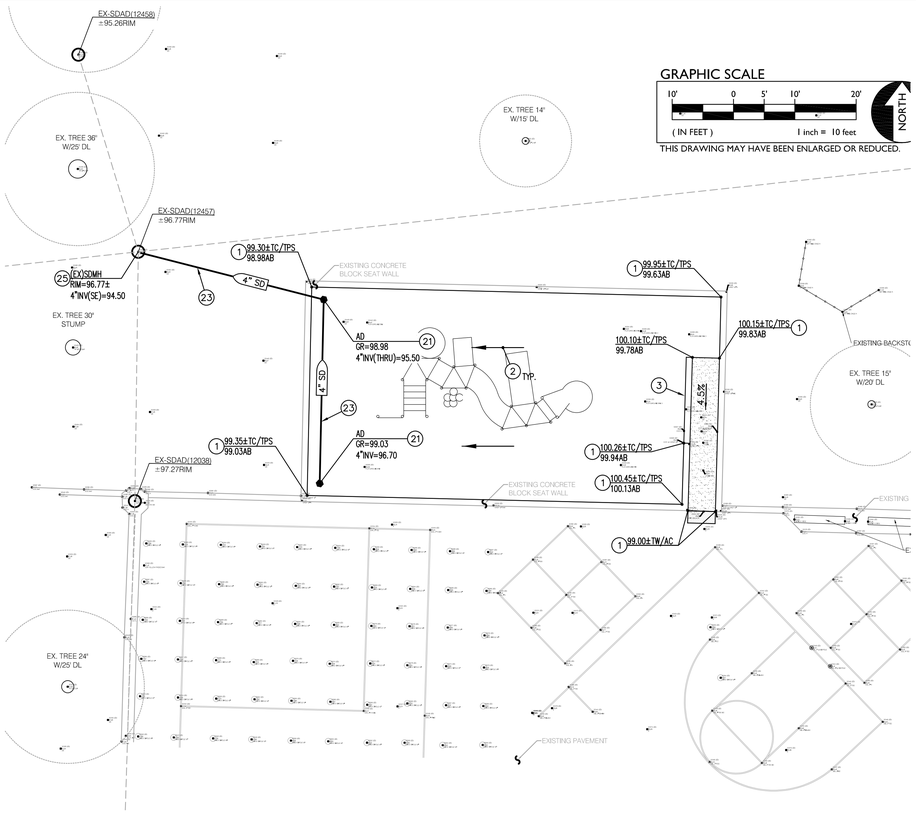
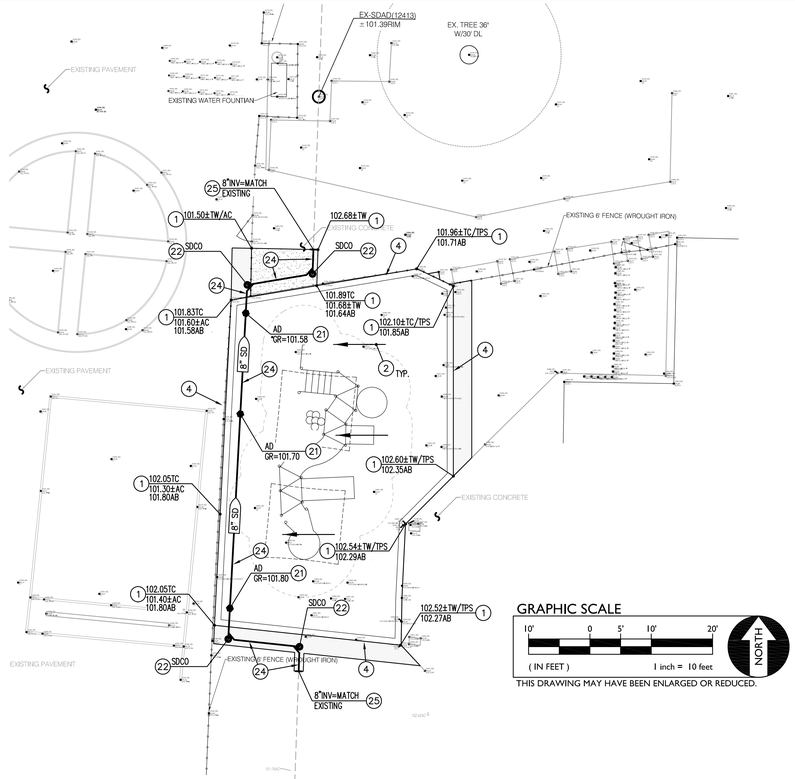


MAIN PLAYGROUND AREA



KINDER PLAYGROUND AREA

GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. GRADE UNIFORMLY TO SWALE AND/OR INLET.
3. EXTEND SEAT WALL PER (1 / C2.1)
4. CONSTRUCT APPARATUS CURB PER ARCHITECTURAL PLANS.
5. MATCH EXISTING FINISH FLOOR ELEVATION.

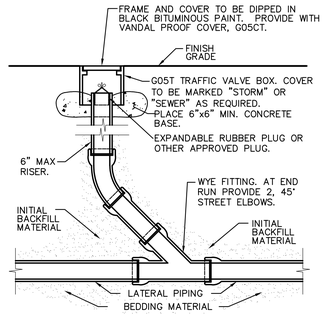
DRAINAGE NOTES

21. CONSTRUCT AREA DRAIN PER (2 / C2.1)
22. CONSTRUCT CLEAN OUT PER (4 / C2.1)
23. PLACE 4" SDR35 STORM DRAIN PIPE PER (3 / C2.1)
24. PLACE 8" SDR35 STORM DRAIN PIPE PER (3 / C2.1) VERIFY PIPE SIZE. SLOPE SHALL BE UNIFORM BETWEEN UPSTREAM AND DOWNSTREAM POINT OF CONNECTIONS.
25. CONNECT TO EXISTING STORM DRAIN. PROVIDE NECESSARY FITTINGS TO MAKE CONNCETION. POTHOLE TO VERIFY DEPTH, LINE SIZE AND LOCATION PRIOR TO TRENCHING.

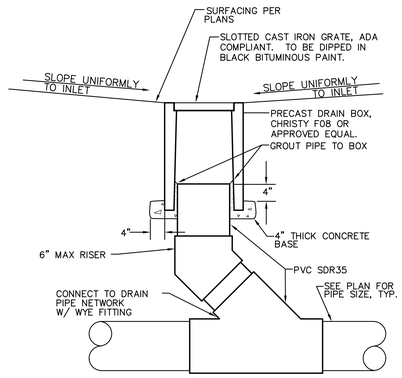
GENERAL PAVEMENT SLOPE REQUIREMENTS:

SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE (1% MINIMUM AWAY FROM BUILDINGS) AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

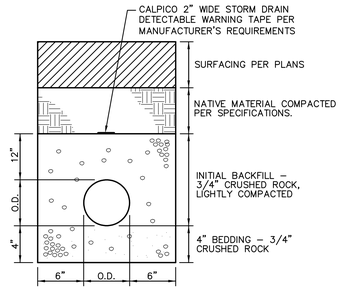
CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
DIRECTION OF TRAVEL – 4.9%
RAMP IN DIRECTION OF TRAVEL – 8.0%
PLAZA 1.9% – IN ANY DIRECTION



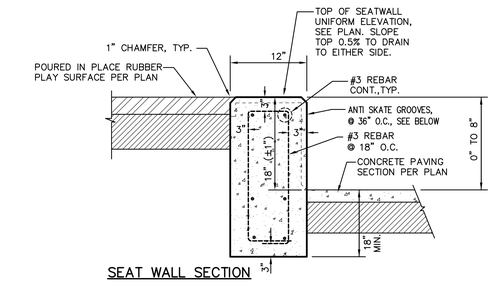
4 / C2.1 CLEANOUT — NO SCALE



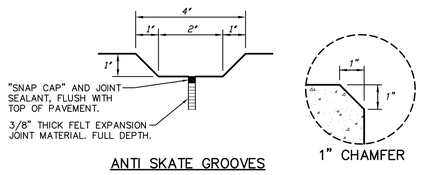
2 / C2.1 AREA DRAIN — NO SCALE



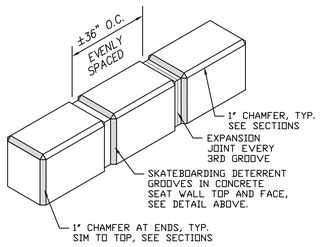
3 / C2.1 STORM DRAIN TRENCH — NO SCALE



SEAT WALL SECTION



ANTI SKATE GROOVES



ANTI SKATE GROOVES

1 / C6.2 CONCRETE SEATWALL — NO SCALE

GRAPHIC SCALE
10' 0 5' 10' 20'
(IN FEET)
1 inch = 10 feet
NORTH
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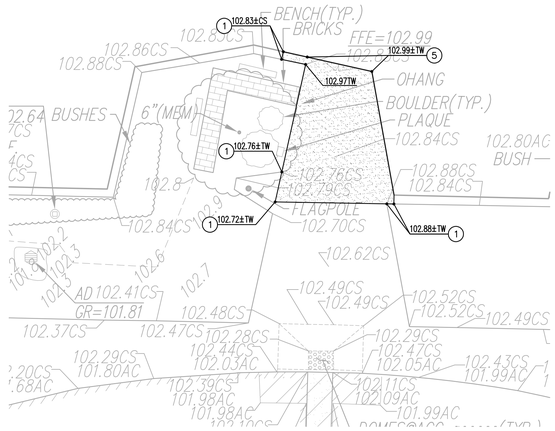

MAIN ENTRANCE

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ARCHITECT

LICENSED ARCHITECT RUSSELL A. MCALLISTER STATE OF CALIFORNIA
REN. 02-28-25

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PROJECT NAME:

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9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE
SACRAMENTO, CA 95824
SACRAMENTO COUNTY

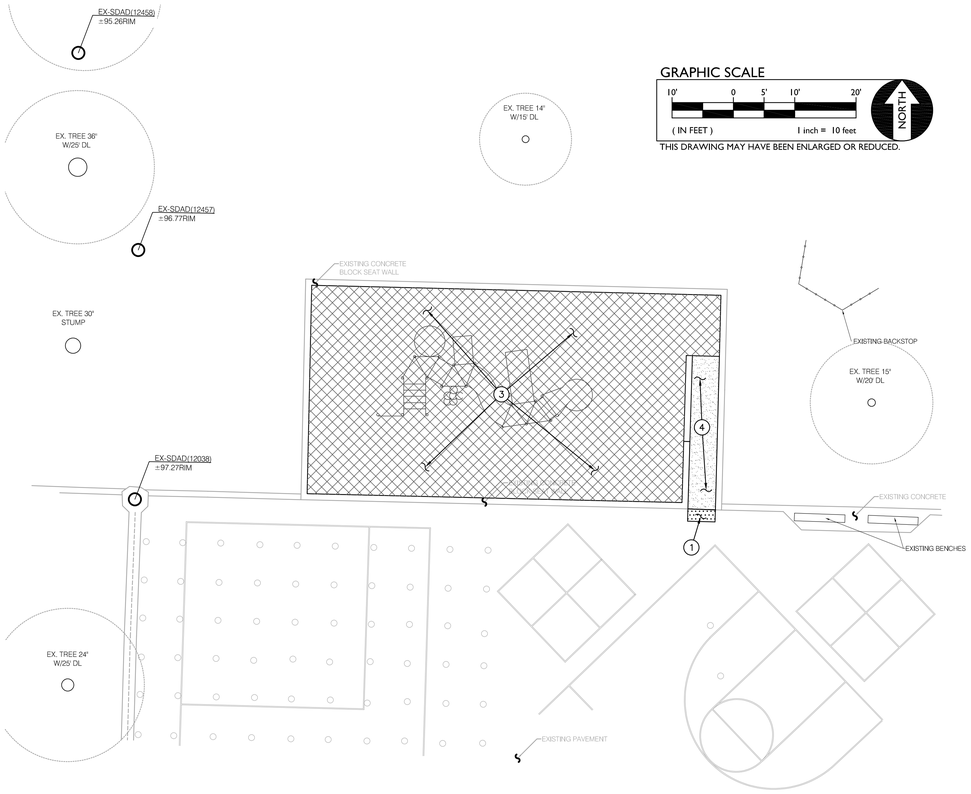
KEY PLAN:

SHEET TITLE:

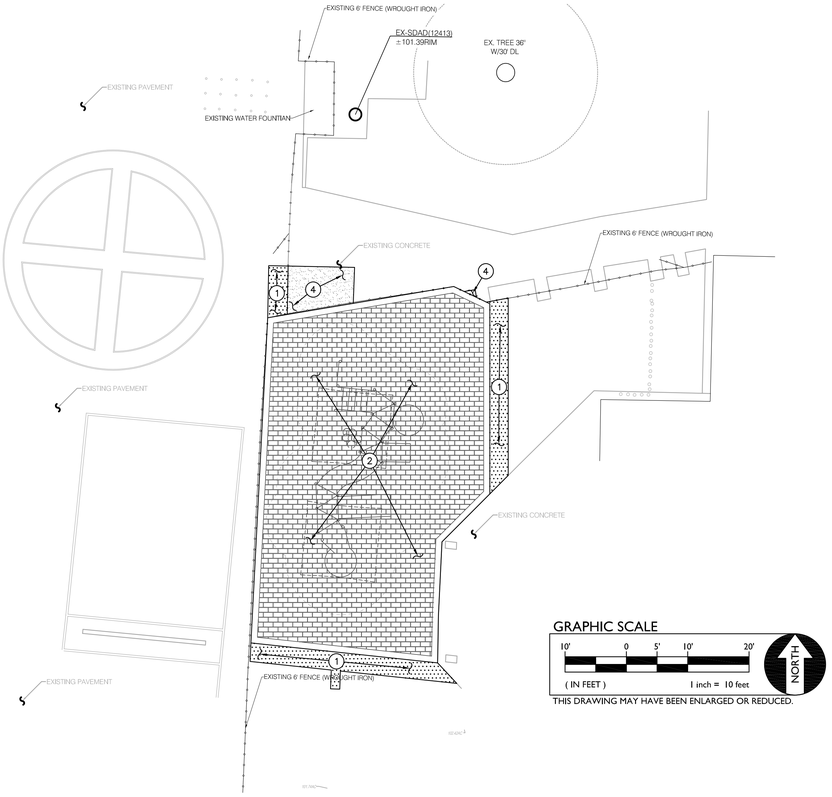
GRADING AND UTILITY PLAN

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 STATE OF CALIFORNIA

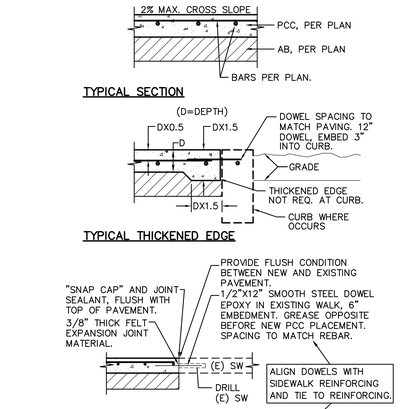
JOB NUMBER:	SHEET NUMBER:
DATE: JAN 9, 2025	C2.1
REVISION:	



MAIN PLAYGROUND AREA



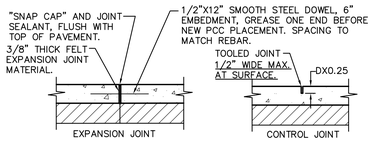
KINDER PLAYGROUND AREA



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 / C3.1 CONCRETE SIDEWALK
NO SCALE

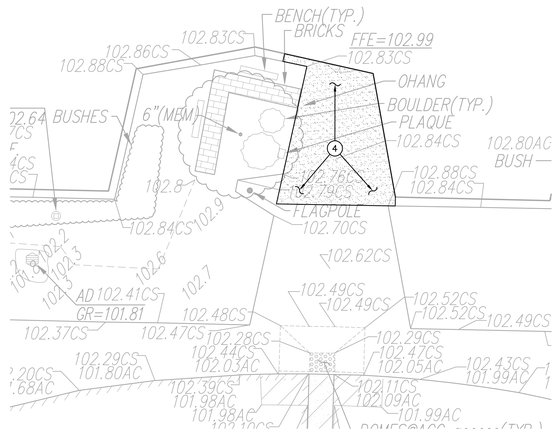
PAVING GENERAL NOTES:

1. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
2. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
3. RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CALTRANS SPECIFICATIONS FOR CLASS II AB.
4. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER;
   A. POT HOLING ALL EXISTING UTILITIES.
   B. THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
6. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
7. REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
8. ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. REPLACE PER PLAN.
9. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
10. REFER TO ARCHITECTURAL PLANS FOR CONTROL AND EXPANSION JOINTS, AND CONCRETE FINISH.
11. 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

12. ALL EXPOSED ASPHALT EDGES SHALL HAVE 12" WIDE CONCRETE FLUSH CURB WHETHER SHOWN OR NOT.

GRAPHIC SCALE
10' 0 5' 10' 20'
(IN FEET)
1 inch = 10 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



MAIN ENTRANCE

PAVING LEGEND

1. TYPE 1 PAVING
   MATCH EXISTING PAVING SECTION (MINIMUM 3" AC OVER 4" CLASS II AB) ON SUBGRADE COMPACTED TO 95%.
2. TYPE 2 PAVING
   PLACE 0.5" POUR IN PLACE RUBBER WEAR COURSE OVER 2.5" SBR CUSHION LAYER ON 18" OF CLASS II AB ON SUBGRADE COMPACTED TO 95%. VERIFY CUSION LAYER THICKNESS WITH APPARATUS PLANS PRIOR TO PLACEMENT.
3. TYPE 3 PAVING
   PLACE 0.5" POUR IN PLACE RUBBER WEAR COURSE OVER 3.25" SBR CUSHION LAYER ON 18" OF CLASS II AB ON SUBGRADE COMPACTED TO 95%. VERIFY CUSION LAYER THICKNESS WITH APPARATUS PLANS PRIOR TO PLACEMENT.
4. TYPE 1 PAVING
   PLACE 5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 12" CLASS II AB ON SUBGRADE COMPACTED TO 95%. (1 / C3.1)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123078 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

CALIFORNIA DESIGN WEST ARCHITECTS, Inc.
2100 19th Street
Sacramento, CA 95818

ARCHITECT

LICENSED ARCHITECT RUSSELL A. McALISTER STATE OF CALIFORNIA
REN. 02-28-25

CONSULTANT:

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

PROJECT NAME:

ISADOR COHEN ELEMENTARY SCHOOL

9025 SALMON FALLS DRIVE
SACRAMENTO, CA 95826

PLAYGROUND AREA UPGRADES

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:
PAVING PLAN

JOB NUMBER:

SHEET NUMBER:
C3.1

DATE:
JAN 9, 2025

REVISION:

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74698 STATE OF CALIFORNIA

C:\Users\tonyt\Documents\A2Q_tonyStuart\E-Site-CENTRAL_stlumps-2100.rvt

PRECHECK FABRIC SHADE STRUCTURE II

FOR CUSTOM CANOPIES

PROJECT DIRECTORY

OWNER
CUSTOM CANOPIES INC.
11815 BURKE STREET
SANTA FE SPRINGS, CA 90670
T: (562) 464-4766
F: (562) 464-4770
CONTACT: STEVE GRAAF

ARCHITECT
RON EDWARDS ARCHITECT
7400 PEDRICK CT
BAKERSFIELD, CA 93313
T: (661) 394-0053
CONTACT: RON EDWARDS

STRUCTURAL
JAMES L. MITCHELL
220 CHERRY LAUREL LANE
KYLE, TX 78640
T: (936) 446-9999

SHEET INDEX

MATERIAL SPECIFICATIONS - SEE ALSO SHEETS S1.1 & S1.2

1. MATERIAL WIRE ROPE CLIPS
   - 1.A. CABLE CLIPS SHALL BE FORGED STEEL PER FEDERAL INSPECTION FF-C-40 TYPE 1, CLASS 2 INSTALLED WITH THE U-BOLT ON THE CABLE DEAD END
   - 1.B. BOLT TORQUE FOR $\frac{1}{4}$"Ø CALBE CLIPS = 15 lb-ft, FOR $\frac{5}{16}$"Ø CABLE CLIPS = 30 lb-ft.
2. BOLT HOLES
   - 2.A. BOLT HOLE DIAMETERS SHALL BE $\frac{1}{8}$" MAX. LARGER THAN THE BOLT DIAMETER.
   - 2.B. ALL BOLTS SHALL BE INSTALLED WITH LOCK WASHERS.
3. CORROSION PROTECTION
   - 3.A. STEEL TUBE ROOF MEMBER SHALL BE TRIPLE COATED USING IN-LINE ZINC ELECTROPLATING PER ASTM E-6 AND THEN POWDER COATED WITH A TGIC POLYESTER TOP COAT.
   - 3.B. STEEL PIPE COLUMNS SHALL BE POWDER COATED WITH A TGIC POLYESTER PRIMER AND TOP COAT.
   - 3.C. ZINC SPELTER CONFORMS TO ASTM B-6 HIGH GRADE ZINC.
4. FABRIC MATERIAL
   - 4.A. FABRIC MATERIAL SHALL BE EXTRA BLOCK.
   - 4.B. THE FABRIC SHALL BE MANUFACTURED FROM HIGH DENSITY POLYETHYLENE POLYMER.
   - 4.C. MIN. WEIGHT - 8.3 oz/sq.yd
     FABRIC THICKNESS - 50.4 mil.
   - 4.D. MIN. BREAKING STRENGTH PER ASTM D 5034: WARP = 165 lbs., WEFT = 260 lbs.
   - 4.E. MAX. ELONGATION WARP = 115%, WEFT = 76%.
   - 4.F. MIN. TEAR STRENGTH PER ASTM D 2261: WARP = 26 lbs., WEFT = 26 lbs
   - 4.G. FIRE RETARDANT RATING PER CSFM - TITLE 19, (REGISTRATION #: ALNET EXTRA BLOCK SHADECLOTH - F94501)
   - 4.H. THE FABRIC SHALL BE CAPABLE OF MAINTAINING 80% OF IT'S TENSILE AND TEARING STRENGTH AFTER EXPOSURE TO A 313NM LIGHT SOURCE APPLIED FOR 500 HOURS AND WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS PER ASTM G53. THE FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE.
   - 4.I. THE FABRIC SHALL MAINTAIN AT LEAST 50% OF IT'S ORIGINAL BREAKING STRENGTH AFTER 5 YEARS OF EXPOSURE TO SUNLIGHT.
5. STANDARD NOTES
   - 5.A. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATION (CCR)
   - 5.B. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 (CCR)
   - 5.C. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE (CCR). MINIMUM CLASS 2 PROJECT INSPECTOR FOR THE PROJECT.
   - 5.D. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TEST AND INSPECTIONS FOR THE PROJECT.
   - 5.E. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE TITLE24, 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.
   - 5.F. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND REQUIREMENTS AND ENVIROMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

APPLICABLE CODES

2022 California Administrative Code (CAC), Part 1, Title 24 CCR2022
California Building Code (CBC), Part 2, Title 24 CCR 2022 California Electrical Code (CEC), Part 3, Title 24 CCR
2022 California Mechanical Code (CMC), Part 4, Title 24 CCR2022 California Plumbing Code (CPC), Part 5, Title 24 CCR
2022 California Energy Code, Part 6, Title 24 CCR 2022 California Fire Code (CFC), Part 9, Title 24 CCR
2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR
2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR
2022 California Referenced Standards Code, Part 12, Title 24 CCR
Title 19 CCR, Public Safety, State Fire Marshal Regulations

APPLICABLE STANDARDS
For a list of applicable standards, including California amendments to the NFPA Standards, refer to CBC Chapter 35 and CFC Chapter 80.

GENERAL NOTES

1. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER 33 AND CBC CHAPTER 33.

FLAME RETARDANT

Fabric Registration

LICENSE NUMBER: F-094501

EXTRA BLOCK SHADECLOTH

Product Marketed by:

ALNET PTY (LTD)
MOORSOM AVENUE, EPPING, INDUSTRY II
CAPE TOWN, S. AFRICA, .

Issue Date : 03/25/2024
Expiration Date : 06/30/2025

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

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

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

OFFICE OF THE STATE FIRE MARSHAL

Please visit calfire.govmotus.org for more information on Licensing and Permitting with CAL FIRE

Page 1 of 1

DESIGN PARAMETER CHECKLIST FOR OTC REVIEW

THE FOLLOWING CHECKLIST IS INTENDED TO ASSIST THE PLAN REVIEWER TO DETERMINE IF THIS PRE-CHECKED SUBMITTAL IS APPLICABLE TO THE SITE SPECIFIC CONDITIONS IN WHICH IT IS INTENDED TO BE USED. IT IS THE SITE APPROVAL ARCHITECT'S RESPONSIBILITY TO FILL IN THE APPROPRIATE BOXES AND CONFIRM SITE CONDITIONS. IF THIS CHECKLIST CANNOT BE COMPLETED, ADDITIONAL ENGINEERING PROVING SITE-SPECIFIC COMPLIANCE IS REQUIRED.

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

- ☑ NONE OF THE STRUCTURAL DESIGN CRITERIA ARE EXCEEDED
- ☐ THE RISK CATEGORY IS 'II' OR LESS
- ☐ THE WIND EXPOSURE CATEGORY IS 'C'
- ☐ THE PROJECT SITE BASIC ULTIMATE WIND SPEED IS <100mph
- ☐ THE PROJECT SITE CLASS CATEGORY IS 'D'
- ☐ THE PROJECT SEISMIC DESIGN CATEGORY IS 'E'
- ☐ THE PROJECT SEISMIC SDS IS MAXIMUM 2.40
- ☐ THE PROJECT SITE IS NOT IN A FLOOD ZONE OTHER THAN ZONE 'X'. IF SO, THEN A GEOTECHNICAL LETTER IS REQUIRED PER IR PC-4 1.7.2.
- ☐ THE PROJECT SITE IS NOT IN AN AREA WITH SNOW LOADING EXCEEDING 5 PSF.
- ☐ THE PROJECT IS DESIGNED FOR VERY HIGH FIRE HAZARD SEVERITY ZONE (AREAS PER CBC CHAPTER 7A.
- ☐ THE ALLOWABLE SOIL BEARING PRESSURE IS 1500psf OR GREATER
- ☐ IF THE CANOPY SIZE IS <1600s.f. IN AREA, NO GEOTECHNICAL/GEOHAZARDS REPORT IS REQUIRED.
- ☐ IF THE CANOPY SIZE IS >1600s.f. AND <4000s.f. AND THERE IS A GEOTECHNICAL REPORT PROVING THAT NO POTENTIAL FOR LIQUIFICATION EXISTS, NO GEOHAZARDS REPORT IS REQUIRED.
- ☐ IF THE CANOPY SIZE IS >4000s.f., A SITE SPECIFIC GEOTECHNICAL/GEOHAZARD REPORT IS REQUIRED GEOTECHNICAL/GEOHAZARD REPORT REQUIRED IN MAPPED GEOLOGIC HAZARD ZONES AND AS REQUIRED BY IR A-4.
- ☐ THE CANOPY SIZE PROVIDES THE MAXIMUM REQUIRED AREA FOR SELECTED ASSEMBLY USE AND DESIRED OCCUPANCY LOAD (SEE ASSEMBLY USE CHECKLIST)
- ☑ THE PROJECT IS NOT INTENDED TO PROVIDE SOLAR PANELS
- ☑ THE PROJECT DOES NOT INCLUDE FIRE SPRINKLERS.

ASSEMBLY USE SELECTION CHECKLIST

THE FOLLOWING CHECKLIST IS TO BE USED BY THE PARTY SUBMITTING THIS PRE-CHECK TO INDICATE THE INTENDED ASSEMBLY USE FOR THIS STRUCTURE.

- ☐ DINING CANOPY - ASSEMBLY USE - 'A2'
- ☐ SHADE STRUCTURE - ASSEMBLY USE - 'A'
- ☑ SHADE STRUCTURE - OUTDOOR INSTRUCTIONAL USE - ASSEMBLY USE - 'E'
- ☑ SHADE STRUCTURE OVER PLAY EQUIPMENT - ASSEMBLY USE - 'E'
- ☐ SHADE STRUCTURE OVER PARKING - ASSEMBLY USE - 'S2' OR 'U'

SITE-SPECIFIC CODE ANALYSIS

THE SECTION IS TO BE FILLED OUT BY THE ARCHITECT OF RECORD FOR THE SITE-SPECIFIC APPROVAL

- ☐ OCCUPANCY GROUP: E (SEE USE CHECKLIST) — OCCUPANCY LOAD FACTOR: 20
- ☐ OCCUPANCY LOAD: 60
- ☐ TYPE OF CONSTRUCTION: IIB
- ☐ PROPOSED AREA: 1200 GSF
- ☐ ALLOWABLE AREA: 9500 GSF

CANOPY SIZE SELECTION CHECKLIST

THE FOLLOWING CHECKLIST IS TO BE USED BY THE PARTY SUBMITTING THIS PRE-CHECK TO INDICATE THE INTENDED SIZES USED FOR THIS PRE-CHECK STRUCTURE. SITE SPECIFIC AOR TO SPECIFY IF CONJOINED OR NON-CONJOINED COLUMNS PER SHEET S2.0.

- ☐ 20'X20' ☐ _____'X_____' (FOR INTERMEDIATE SIZE)
- ☐ 30'X30' ☐ _____'X_____' (FOR INTERMEDIATE SIZE)
- ■ 40'X30' ☐ _____'X_____' (FOR INTERMEDIATE SIZE)

NOTES:
1. PLAN DIMENSIONS ARE REPEATABLE IN ANY ONE DIRECTION TO A TOTAL AREA OF 4000 SQ.FT. STRUCTURALLY. MAXIMUM SIZES MAY BE LESS DUE TO RISK CATEGORY THRESHOLDS. SEE TABLE 1604.5, 2022 CBC.
2. INTERMEDIATE SIZES MAY USE THE MEMBER SIZES, CONNECTIONS, AND FOUNDATIONS OF THE NEXT LARGEST CANOPY PROVIDED NO SINGLE PLAN DIMENSION, LENGTH OR WIDTH VARIES BY MORE THAN 35%. ADDITIONALLY, THE EVE AND RIDGE HEIGHTS OF THE LARGER CANOPY IS NOT EXCEEDED.

COLUMN HEIGHTS:
☐ 9' COLUMN HEIGHT ☐ 10' COLUMN HEIGHT ☐ 11' COLUMN HEIGHT ■ 12' COLUMN HEIGHT
☐ 14'/16' COLUMN HEIGHT(HYPAR & TRIANGULAR SHADES)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123078 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

rea architect RONEDWARDS
Architecture
7400 Pedrick Court
Bakersfield, CA 93313
(661) 394-0053
ron@rearchitect.net

LICENSED ARCHITECT RONALD W. EDWARDS C-25192 Ron Edwards REN 12-31-25 STATE OF CALIFORNIA

MANUFACTURER:

CUSTOM CANOPIES INC.
11815 BURKE STREET

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
PRE-CHECK PC DOCUMENT
CODE: 2022 CBC
A separate application for construction is required

PC APPROVAL STAMP:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123096 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/12/2024

PRECHECK FABRIC SHADE STRUCTURE II

TITLE SHEET

Project # 22-037
Drawn By RWE
Date 1-10-24

T001

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

General

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

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 special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The 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 and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required Periodic – Indicates that a periodic special inspection is required Test – Indicates that a test is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) – Indicates that the test or special Inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S1. GENERAL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	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 must not contain loose material, mud, organic silt, organic clays, or peat.	See Notes	PI	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations and/or within the building envelope is not permitted without a geotechnical report.

	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Perform classification and testing of fill materials.	Test	LOR*	* Under the supervision of the geotechnical engineer.
*	b. Verify use of proper materials, densities and inspect lift thickness, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
*	c. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.

	S3. DRIVEN DEEP FOUNDATIONS (PILES):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Verify pile materials, sizes and lengths comply with the requirements.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	Type	Performed By	Code References and Note
☑	a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	PI	Continuous Inspection to be provided by project Inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	b. Verify pier locations, diameters, plumbness and lengths.Record concrete or grout volumes.	Continuous	PI	Continuous Inspection to be provided by project Inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	c. Concrete piers.	Provide tests and inspections per CONCRETE section below.		
*	d. Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
*	e. Steel piles.	Provide tests and inspections per STEEL section below.		
*	f. Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
*	g. For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

	S5. RETAINING WALLS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Placement, compaction and inspection of backfill.	Continuous	GE*	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section S2 above).
*	b. Placement of soil reinforcement and/or drainage devices.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
*	c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
*	d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
*	e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

	S6. OTHER SOILS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Soil Improvements	Test	GE*	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
*	b. Inspection of Soil Improvements	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
*	c.			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

	Test or Special Inspection	Type	Performed By	Code References and Notes
*	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.
*	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9; ACI 318-19 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13, and PCI MNL-128 and -130.
*	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
*	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high delformability elements (MDE or HDE), or as resulting in assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
*	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Inspect shotcrete placement for proper application techniques.	Continuous	SI	1705A.3.9; Table 1705A.3 Item 7; 1908A.1; 1908A.2; 1908A.3; See ACI 506.2-13 Section 1.4, ACI 506R-16.
*	b. Sample and test shotcrete (F.).	Test	LOR	1908A.2, 1705A.3.9

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic); 1705A.3.8 (See Appendix (end of this form) for exemptions); ACI 318-19 Section 26.13. * May be performed by the project inspector when specifically approved by DSA.
*	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a.			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Continuous	SI	Table 1705A.3 Item 5, 1904A.1.
☑	b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (F.).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
☑	e. Batch plant Inspection: Not Required	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant Inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or not required per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
*	f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A(d) & (e) and/or S/A(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.8, 1910A.5
*	b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4; Table 1705A.3 Items 1 & 9.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 360-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-10 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
*	b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-10 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
*	c.	Test	LOR	

	S/A7. STEEL JOISTS AND TRUSSES:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.5, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 360-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.3, AWS D1.4, AWS D1.8

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	S/A11. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. •Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a-3c, 2202A.1; AISC 360-10 Section A3.1 & A3.2; AISI S240-20 Section A3 & A5; AISI S100-20 Sections A4 & A6. * By project inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2303A.1.
☑	c. Examine seam welds of ERS shapes	Periodic	SI	DSA-IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for Section 1705A.2.4).
*	e. Buckling restrained braces.	Test	LOR	Welding and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Verify identification markings and manufacturer's certificates of compliance conforms to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and RCSC 2014 Section 1.5 & 2.1; DSA IR 17-6 & DSA IR 17-9.
*	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Items 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-6.
*	c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2a; 1705A.2.5, 2204A.2; AISC 360-16 J3.3, J3.2, M2.3 & N5.6; RCSC 2014 Section 8.2; DSA IR 17-2.
*	d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2b & 2c; 1705A.2.5, 2204A.2; AISC 360-16 J3.1, J3.2, M2.3 & N5.6; RCSC 2014 Section 8.1 & 8.2; DSA IR 17-6. *"Continuous" or "Periodic" depends on the type of cold-formed steel.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 360-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.3, AWS D1.4, AWS D1.8

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	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-5.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
*	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.7; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
*	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
*	e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 360-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.3, AWS D1.4, AWS D1.8

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	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
*	b. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
*	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
*	d. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
*	e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
*	f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.7; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
*	g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
*	h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 360-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	Type	Performed By	Code References and Notes
*	c. Storage rack anchorage installation.	Periodic	SI	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
*	d. Completed storage rack system to indicate compliance with the approved construction documents.	Periodic	SI*	Table 1705A.13.7 * May be performed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	Type	Performed By	Code References and Notes
*	a.			

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

	WELDING:
*	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (when Equations ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <4000# and resulting composite center of mass including component's center of mass) <4' above supporting floor/roof, B) when hung from a wall or roof/floor, <25# for discrete units and <10 psf for distributed systems.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

Name of Architect or Engineer in general responsible charge

Name of Structural Engineer (When structural design has been delegated)

Signature of Architect or Structural Engineer: Date:

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

DSA STAMP

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

Application Number: 04-123036 | School Name: | School District:
DSA File Number: | Increment Number: | Date Created: 2024-01-10 15:15:54

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291

2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

NOTES

1. THE EXAMPLE FORM DSA-103(s) SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA-103 IS TO BE FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE DSA-103(s) ARE TO BE CROSSED OUT ON THIS DRAWING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123078 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

rea architect RONEDWARDS
Architecture
7400 Pedrick Court
Bakersfield, CA 93313
(661) 394-0053
ron@reaarchitect.net

LICENSED ARCHITECT RONALD W. EDWARDS C 25592 Exp. 12-31-25 STATE OF CALIFORNIA

MANUFACTURER:

CUSTOM CANOPIES INC.
11815 BURKE STREET

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
PRE-CHECK PC DOCUMENT
DSA 2022 CBC
A separate application for construction is required
PC APPROVAL STAMP:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123036 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/12/2024

PRECHECK FABRIC SHADE STRUCTURE II

T&I GUIDELINE

Project # 22-037
Drawn By RWE
Date 1-10-24

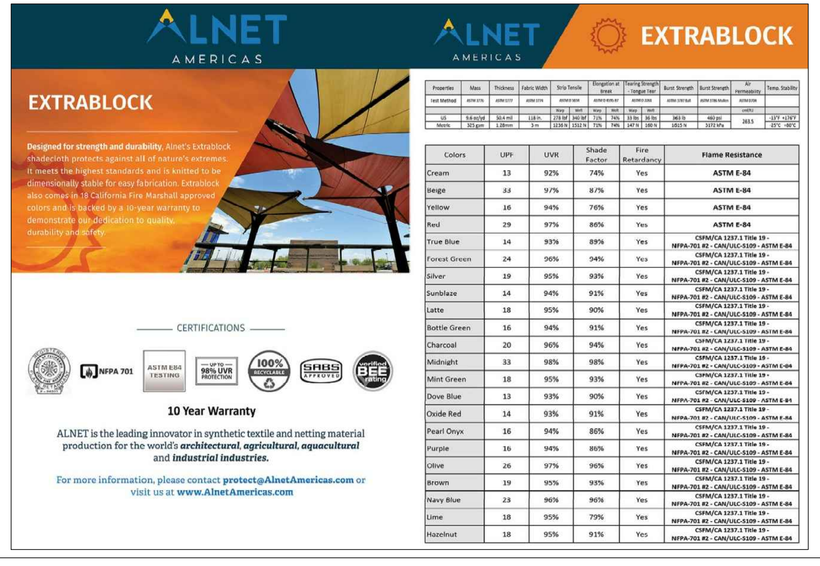
T002

CONCRETE:

1. ALL CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE 2022 C.B.C. AND THE A.C.I. 319-14 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
2. SLAB AND FOUNDATION CONCRETE SHALL BE 150 P.C.F. HARDROCK, MIXED PER A.S.T.M. C-94, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,500 P.S.I. AT 28 DAY. MAX. SLUMP TO BE 4" ± 1" OF W/C RATIO < .45
3. THE MAXIMUM SIZE AGGREGATE IN FOUNDATION AND MASS CONCRETE WORK SHALL BE 1 INCH.
4. CEMENT SHALL CONFORM TO A.S.T.M.. C-150 TYPE V, LOW ALKALI. AGGREGATES FOR NORMAL WEIGHT SHALL CONFORM TO A.S.T.M. C-33.
5. ADMIXTURES AND COLORS (EXCEPT AS NOTED HEREIN) SHALL NOT BE USED UNLESS SUBSTANTIATING DATE IS SUBMITTED TO AND ACCEPTED BY THE ENGINEER AND ARCHITECT OF RECORD AND DSA.
6. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY. THE MIX DESIGNS SHALL CONFORM TO ACI 318-19 SECTION 26.4.3. UNLESS NOTED OTHERWISE.
7. NON-STRUCTURAL STEEL EMBEDDED IN CONCRETE SHALL BE GALVANIZED OR PAINTED. ALL DAMAGED GALVANIZED AREAS SHALL BE REPAIRED PRIOR TO EMBEDMENT.
8. READY MIXED CONCRETE SHALL CONFORM TO (A.S.T.M. C-94).
9. PLACEMENT OF CONCRETE SHALL CONFORM THE 2022 C.B.C. AND THE TO A.C.I. 304. CLEAN AND ROUGHEN A FULL AMPLITUDE OF $\frac{3}{4}$" BY REMOVING THE ENTIRE SURFACE AND EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE MORTAR MATRIX AGAINST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE POURED.
10. ALL EXPOSED CONCRETE SHALL HAVE A SMOOTH FORM FINISH USING B-B PLYFORM, CLASS I, EXT-A.P.A. PLYWOOD.
11. ALL SLABS SHALL HAVE A TROWELED FINISH EXCEPT AS NOTED ON THE DRAWINGS.
12. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS AND INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
13. IF THE CONTRACTOR DESIRES TO MAKE ANY CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THESE DRAWINGS, HE SHALL SUBMIT DETAILS OF CHANGES TO THE ENGINEER OF RECORD FOR REVIEW BEFORE STARTING WORK AND THE ENGINEER OF RECORD TO OBTAIN DSA APPROVAL PRIOR TO STARTING WORK.
14. NO BRICK OR POROUS MATERIAL SHALL BE USED TO SUPPORT FOUNDATION STEEL OF THE GROUND.
15. PROVIDE $\frac{3}{4}$ INCH CHAMFER ON ALL EXPOSED CONCRETE CORNERS, U.N.O.
16. MINIMUM CONCRETE COVERAGES

FOOTINGS CAST AGAINST EARTH	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	2"

17. CONCRETE CURING:
SLAB AND FDN; TYPICALLY REQUIRED FOR 10 DAYS TO ACHIEVE A MINIMUM OF 3000 PSI STRENGTH PRIOR TO INSTALLATION OF OTHER MAJOR STRUCTURAL COMPONENTS.



ALNET
AMERICAS
EXTRABLOCK

Properties	Mass	Thickness	Fabric Width	Strip Tensile		Elongation at break		Tearing Strength - Tongue Tear		Burst Strength	Burst Strength	Air Permeability	Temp. Stability
Test Method	ASTM D76	ASTM D777	ASTM D774	ASTM D5034		ASTM D 4595-86		ASTM D 2261		ASTM D3786 Bal	ASTM D3786 Modern	ASTM D736	
				warp	weft	warp	weft	warp	weft			cm/s/cm²	
US	9.4 oz/yd²	50.4 mil	118 in.	278 lbf	340 lbf	71%	74%	33 lbs	36 lbs	363 lb	460 psi	283.5	-13°F +176°F
Metric	321 gsm	1.28mm	3 m	1236 N	1512 N	71%	74%	147 N	160 N	1615 N	3172 kPa		-25°C +80°C

Colors	UPF	UVR	Shade Factor	Fire Retardancy	Flame Resistance
Cream	13	92%	74%	Yes	**ASTM E-84**
Beige	33	97%	87%	Yes	**ASTM E-84**
Yellow	16	94%	76%	Yes	**ASTM E-84**
Red	29	97%	86%	Yes	**ASTM E-84**
True Blue	14	93%	89%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Forest Green	24	96%	94%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Silver	19	95%	93%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Sunblaze	14	94%	91%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Latte	18	95%	90%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Bottle Green	16	94%	91%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Charcoal	20	96%	94%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Midnight	33	98%	98%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Mint Green	18	95%	93%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Dove Blue	13	93%	90%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Oxide Red	14	93%	91%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Pearl Onyx	16	94%	86%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Purple	16	94%	86%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Olive	26	97%	96%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Brown	19	95%	93%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Navy Blue	23	96%	96%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Lime	18	95%	79%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**
Hazelnut	18	95%	91%	Yes	**CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84**

FOUNDATION:

1. THIS P.C. IS DESIGN TO THE C.B.C. MINIMUM. WHERE SOIL REPORT IS AVAILABLE; ATTACH ONE COPY OF SOILS REPORT TO THE APPROVED SET OF CONSTRUCTION DOCUMENTS. SOILS REPORT SHALL BE PART OF THESE NOTES. PRIOR TO THE POURING OF CONCRETE AND PRIOR TO THE CONTRACTOR REQUESTING A DSA FOUNDATION INSPECTION, THE GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE THE FOOTING EXCAVATIONS. HE SHALL POST NOTICE ON THE JOB SITE AND ADVISE THE DSA INSPECTOR IN WRITING THAT THE WORK SO INSPECTED MEETS THE CONDITIONS OF THE REPORT. A WRITTEN CERIFICATION TO VERIFY THAT:
   A. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOIL REPORT.
   B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED, AND
   C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.
2. SOIL REMOVAL AND RECOMPACTION SHALL BE DONE PER SOILS REPORT RECOMMENDATIONS UNDER GEOTECHNICAL ENGINEERS'S SUPERVISION AND INSPECTION.
3. TYPE OF FOOTING:
   A. DESIGN SOIL PRESSURE:

FOOTING TYPE	STATIC BEARING PRESSURE
DEEP FOOTING	1,500 psf
LATERAL BEARING	100 pcf*

   *MAY BE DOUBLED PER SECTION 1806A.3.4
4. ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
5. THE CONTRACTOR SHALL DETERMINE LOCATION OF UTILITY SERVICES IN AREAS TO BE EXCAVATED BEFORE BEGINNING EXCAVATION. EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING. DAMAGE CAUSED AS A RESULT OF FAILING TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MONITORING OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN TEMPORARY EXCAVATIONS.
7. ALL PLANTERS IN CLOSE PROXIMITY TO THE STRUCTURE SHALL HAVE ADEQUATE DRAINAGE OF SURFACE WATER TO PREVENT SATURATION OF SOIL UNDER FOUNDATION.
8. 2022 C.B.C. SEISMIC SITE CLASS A, B, C, D, + D-DEFAULT

GENERAL NOTES:

1. THE PROJECT SPECIFICATIONS SHALL BE PART OF THE CONTRACT DOCUMENTS.
2. THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
3. THE CONTRACTOR SHALL REVIEW EXISTING CONDITIONS ON THE SITE DURING THE BIDDING. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARING WORK. THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO PROCEEDING.
4. ALL PHASES OF WORK ARE TO CONFORM TO THE MINIMUM STANDARDS OF THE CALIFORNIA BUILDING CODE (2022 EDITION C.B.C.), RELATED CALIFORNIA BUILDING CODE STANDARDS, AND ANY A.S.T.M. SPECIFICATIONS ON WHICH THESE STANDARDS ARE BASED. WHERE CONFLICT BETWEEN BUILDING CODES AND SPECIFICATIONS OCCURS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
5. ALL A.S.T.M. DESIGNATIONS REFERRED TO ON THESE DRAWINGS SHALL BE THE LATEST ADOPTED OR REVISED SPECIFICATION, AS OF THE DATE OF THESE DRAWINGS.
6. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.
7. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
8. THE STRUCTURAL DRAWINGS SHOW ONLY THE BASIC STRUCTURAL REQUIREMENTS. REFER TO CIVIL, ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS THAT OCCUR PER SPECIFIC PLANS FOR NON-STRUCTURAL ITEMS, SUCH AS:
   A. SIZE AND LOCATION OF ALL OPENINGS.
   B. SIZE AND LOCATION OF ALL NON-BEARING WALLS.
   C. SIZE AND LOCATION OF ALL CONCRETE CURBS, WALKS, ROOF AND FLOOR DRAINS, SLOPES, DEPRESSED SLAB AREAS, ETC.
   D. FLOOR, ROOF AND WALL FINISHES.
   E. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
9. THE STRUCTURAL CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
10. NEITHER THE OWNER NOR THE ARCHITECT/STRUCTURAL ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STARE AND FEDERAL SAFETY AND HEALTH STANDARDS, SLAWS AND REGULATIONS. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE SAFETY ITEMS.
11. SATISFACTORY EXECUTION OF CONSTRUCTION IS DEPENDENT UPON CONFORMANCE WITH THE INTENT OF THESE DRAWINGS. OWNER OR CONTRACTOR SHALL RETAIN A CALIFORNIA LICENSED STRUCTURAL ENGINEER DURING CONSTRUCTION TO OBSERVE THE CONSTRUCTION AND FILE A REPORT (DSA 6AE) STATING THE "THE CONSTRUCTION HAS, IN EVERY MATERIAL RESPECT, BEEN PERFORMED IN COMPLIANCE WITH THE DSA APPROVED DOCUMENTS".
12. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. LOAD SHALL NOT EXCEED DESIGN LIVE LOAD FOR EACH PARTICULAR LEVEL. WHEN WEIGHT OF MATERIALS OR EQUIPMENT MAY EXCEED DESIGN LOAD, STRUCTURAL SYSTEMS SHALL BE SHORED.
13. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK. THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.

DESIGN BASIS:

CODE: 2022 C.B.C. (CALIFORNIA BUILDING CODE CCR, TITLE 24, PART 2)

GRAVITY LOADS:

1. ROOF LIVE LOAD 5 P.S.F.
2. ROOF DEAD LOAD 1.5 P.S.F. (MAX.)
3. SNOW LOAD Pg 5.0 PS.F.

LATERAL LOADS:

1. SEISMIC DESIGN

☐ SITE CLASS D Default were no Geotechical Report required

RISK CATEGORY = II
REDUNDANCY (p) = 1

S_S = 2.5
S_{DS} = 1.67

S_{ds} = S_{ms} X 2/ 3

☐ CANOPIES OCCUPANCY = II

☐ ORDINARY STEEL CANTILEVER COLUMNS

SEISMIC DESIGN CATEGORY = E (ASCE 7-16 TABLE 11.6.1 AND TABLE 11.6.2)
I_e = 1.25
R = 1.25
$C_S = S_{ds}/(R/I_e)$ (LRFD) = 1.33 Ultimate (0.993 ASD)
ANALYSIS METHOD = EQUIVALENT LATERAL FORCE ANALYSIS

Note: Design values may also be used conservatively where Site Class C is justified by location specific Geotechnical Report

2. WIND DESIGN
ANALYSIS METHOD = DIRECTIONAL PROCEDURE (OPEN STRUCTURE)
V = 110 M.P.H. BASIC WIND SPEED, ASCE 7-16
EXPOSURE "C"
Kzt = 1.0
RISK CATEGORY = II
SITE CLASS "D-DEFAULT"

STRUCTURE IS DESIGN FOR CLEAR WIND FLOW

FLOOD HAZARD: DESIGN DOES NOT ACCOUNT FOR FLOOD HAZARD

SITE SPECIFIC GEOTECHNICAL STUDY IS NOT REQUIRED FOR

THIS PC PROJECT IS NOT DESIGNED TO INCLUDE WEIGHT OF SPRINKLERS

BUILDING SEPARATION REQUIREMENT:

MINIMUM CLEAR DISTANCE REQUIRED BETWEEN EXISTING SITE STRUCTURE/ ADJACENT SITE STRUCTURE AND SHADE STRUCTURE IS TO BE AT LEAST 5' FROM OUTER EDGE OF FABRIC TO OUTER EDGE OF STRUCTURE AND PER EMBEDDED DOUBLE POST OPTION BETWEEN SHADE STRUCTURES IN THE SAME APPLICATION.

SEISMIC BASE SHEAR (LRFD)	
BUILDING CONFIGURATION	BASE SHEAR (KIP)
20'X20'	1.5K
30'X30'	3.00K
40'X30'	3.50K

2/16/24
REGISTERED PROFESSIONAL ENGINEER
JAMES L. MITCHELL
S 3081
EXP. 6/30/2025
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MANUFACTURER:

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SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/12/2024

PRECHECK FABRIC SHADE STRUCTURE II

Project #	22-037
Drawn By	RWE
Date	12-20-22

S1.1

FNAME
REVDATE
USER

STRUCTURAL OBSERVATION:

1. PER C.B.C. CHAPTER 17A, 1704A.6 THE OWNER SHALL EMPLOY A LICENSED ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, OR HIS DESIGNATED ENGINEER OR ARCHITECT TO MAKE SITE VISITS TO OBSERVE. GENERAL COMPLIANCE WITH THE APPROVED STRUCTURAL PLANS, SPECIFICATIONS AND CHANGE ORDERS. THE ENGINEER OR ARCHITECT SHALL SUBMIT A STATEMENT IN WRITING TO THE BUILDING OFFICIAL STATING THAT THE SITE VISIT HAS BEEN MADE AND THAT ANY DEFICIENCIES NOTED HAVE BEEN CORRECTED.

2. IN ACCORDANCE WITH SECT. 4-333 (a) OF TITLE 24, PART 1, STRUCTURAL OBSERVATION SHALL INCLUDE AND OCCUR AT THE FOLLOWING STAGES:
   A. OBSERVATION AT THE SITE PRIOR TO PLACING CONCRETE.
   B. OBSERVATION OF THE BUILDING DURING FABRICATION AFTER MAJORITY OF STRUCTURAL ITEMS ARE IN PLACE.
   C. OBSERVATION OF THE COMPLETED STRUCTURE PRIOR TO BEING COVERED FINISHES.

3. AT COMPLETION OF IN-PLANT MANUFACTURING THE INDIVIDUAL ACCEPTING RESPONSIBILITY FOR OBSERVATION OF IN-PLANT MANUFACTURING SHALL SIGN THE VERIFIED REPORT, DSA 152-IPI (IN-PLANT INSPECTOR VERIFIED REPORT).

4. OBSERVATION OF THE ON SITE CONSTRUCTION INCLUDES THE SCOPE OF WORK INDICATED ON THE DSA APPROVED BUILDING PLANS AND SPECS.

5. INTERIM AND FINAL VERIFIED REPORTS ARE REQUIRED DURING, AND AT THE COMPLETION OF, ON SITE CONSTRUCTION AND INSTALLATION USING FORM DSA 6-AE (ARCHITECT/ENGINEER VERIFIED REPORT).

6. STRUCTURAL TESTING & SPECIAL INSPECTIONS: SEE APPROVED DSA-103 FORM FOR STRUCTURAL TESTING AND INSPECTIONS.

COLD FORMED STRUCTURAL STEEL:

1. ALL LIGHT GAUGE METAL FRAMING SHALL BE THE TYPE, SIZE, GAUGE AS SHOWN ON THE PLANS AND BE FABRICATED AND ERECTED IN ACCORDANCE WITH 2016 (2020) A.I.S.I. S100 SPECIFICATIONS. WITH SUPPLEMENT 2 AND 2022 CBC SECTIONS 2210A, 2211A, &2213A.

2. STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123 OR A153 CLASS D OR PAINTED WITH ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT; OR EQUIVALENT PAINT SYSTEM. COLD FORMER STEEL MEMBERS SHALL BE 5 PERCENT ALUMINUM-ZINC ALLOY COATED PER ASTM A792/A792M STANDARD IN ACCORDANCE TO AMERICAN IRON AND STEEL INSTITUTE (AISI) S240 TABLE A4-1, CP 90 COATING DESIGNATION.

3. TOUCH UP COLD GALVANIZING USING ZRC CHEMICAL PRODUCTS CO., ZRC COLD GALVANIZING COMPOUND OR EQUAL.

STEEL CABLES:

1. ALL CABLE STEEL TO BE ASTM A1023, 6X19 CLASS IWRC OR 7x19 CLASS IWRC

2. CABLES SHALL BE GALVANIZED (CLASS A ZINC COATING) OR STAINLESS STEEL, CLASS BRIGHT WIRE ROPE

3. MAXIMUM CABLE STRENGTH: (Service loads)

5 / 16"	7X19 304 SS	=	3.068K
3 / 8"	7X19 304 SS	=	4.091K
7/16"	6X19 Galv.	=	6.259K
1/2"	6X19 Galv.	=	8.181K

4. MAXIMUM. PRETENSION LOAD:(Service loads)

1 / 4"	DIA.	=	0.30k
3 / 8"	DIA.	=	0.30k
7/ 16"	DIA.	=	0.30k
1/2"	DIA	=	0.50K

5. FOR CABLE (ROPE CLIPS) SEE SHEET 1 OF EACH SIZE

WELDING:

1. ALL WELDING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICAN WELDING SOCIETY CODE D1.1.-15, AND CBC.

2. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS.

3. ALL WELDING SHALL BE DONE BY THE SHIELDED ARC PROCESS USING APPROVED ELECTRODES PER A.W.S. SPECIFICATIONS E70XX (LOW HYDROGEN ELECTRODES).

4. ALL WELDS SHALL HAVE A WELD CONTROLLED SEQUENCE AND TECHNIQUE IN ORDER TO MINIMIZE SHRINKAGE, STRESSES AND DISTORTION.

5. ALL ELECTRODES FILLER MATERIAL SHALL BE A MINIMUM OF E70XX.

6. SPECIAL INSPECTION IS REQUIRED FOR ALL WELDING.

STEEL:

1. QUALIFIED AND CERTIFIED WELDERS SHALL BE USED FOR ALL WELDING. ALL WELDING TO CONFORM TO THE LATEST ADOPTED EDITION OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE A.W.S. D1.1.

2. MATERIALS:

MISCELLANEOUS PLATES	A.S.T.M. A-36
STRUCTURAL STEEL PIPES	A.S.T.M. A500 Gr. B, Fy = 42 ksi
WELDING ELECTRODES	A.W.S. STRUCTURAL STEEL E70XX,
TYPICAL STEEL CONNECTION BOLTS	GALVANIZED A307
GALVANIZING	A.S.T.M. A-123
RUST-INHIBITING PRIMER	CC-M10
STEEL TUBING	A.S.T.M. A-500, GRADE C (HSS ROUND) (Fy = 46 K.S.I.) (HSS RECT) (Fy = 50 K.S.I.)

3. STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123, UNDERCOAT AND FINISH COAT OR EQUIVALENT PAINT SYSTEM.

4. CONNECTED MEMBERS SHALL BEAR ONLY UPON UNTHREADED PORTIONS OF BOLTS.

5. BURNING OF HOLES IS NOT ALLOWED.

6. INSPECTION OF WELDING SHALL CONFORM TO C.B.C. REQUIREMENTS (CHAPTER 17A).

7. THE STRUCTURAL STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

8. BOLT HOLES SHALL BE 1 / 8" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLTS USED, UNLESS NOTED OTHERWISE.

9. STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC.

10. OPENINGS SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED.

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PRECHECK FABRIC SHADE STRUCTURE II

Project # 22-037	S1.2
Drawn By RWE	
Date 12-20-22	

ABBREVIATIONS:

&	AND
@	AT
℄	CENTER LINE
℞	PLATE, PROPERTY LINE
A.B.	ANCHOR BOLT
ADJ	ADJACENT
A.F.F.	ABOVE FINISH FLOOR
ARCH'L	ARCHITECTURAL
BD	BOARD
BLD'G	BUILDING
BLK	BLOCK
BLK'G	BLOCKING
BLW	BELOW
BM	BEAM
B.N.	BOUNDARY NAIL/SCREW
BOT.	BOTTOM
BRG	BEARING
B.S.	BOTH SIDE
BTWN	BETWEEN
C.B.	CARRIAGE BOLT
C.F.	CUBIC FOOT
CHAM	CHAMFER
C.I.	CAST-IRON
C.I.P.	CAST-IN-PLACE
C.J.	CONTROL JOINT
CLG	CEILING
CLK	CAULK
CLK'G	CAULKING
CLR.	CLEAR
C.M.U.	CONCRETE MASONRY UNIT
CNTR	CENTER
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CNTRSNK	COUNTERSINK
d	PENNY
DBL	DOUBLE
DEP	DEPRESSED
DET	DETAILED
D.F.	DOUGLAS FIR
D.F.L.	DOUGLAS FIR/LARCH
DIA	DIAMETER
DIAG	DIAGONAL
DIAM.	DIMENSION
D.L.	DEAD LOAD
DN	DOWN
DIV	DIVISION
DR	DOOR
DWG	DRAWING
DWL	DOWEL
EA	EACH
E.F.	EACH FACE
EL.	ELEVATION
ELEV.	ELEVATION / ELEVATOR
EMBED	EMBEDMENT
E.N.	EDGE NAIL/SCREW
EQ.	EQUAL
EQUIP	EQUIPMENT
E.S.	EACH SIDE
E.W.	EACH WAY
EXIST'G	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F.D.	FLOOR DRAIN
FDN	FOUNDATION
F.F.	FINSIH FLOOR
FIN.	FINISH
F.N.	FIELD NAIL
F.O.	FACE OF
FRM'G	FRAMING
F.S.	FAR SIDE
FT	FEET / FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
G.I.	GALVANIZED IRON
GLB	GLU-LAMINATED BEAM
GRD	GRADE
GYP	GYPSUM
H.D.	HOLDOWN
HDR	HEADER
HGR	HANGER
HORIZ	HORIZONTAL
HRD	HARD
H.S.B.	HIGH STRENGTH BOLT
HT.	HEIGHT
HVAC	HEATING, VENTILATION, & AIR CONDITIONING
IN.	INCH
INSP.	INSPECTION / INSPECTOR
INT.	INTERIOR
JST	JOIST
JT	JOINT
KIPS	KILOPOUNDS (1,000 POUNDS)
K.O.	KNOCK OUT
LB	POUND
L.B.	LAG BOLT
L.F.	LINEAR FOOT
LG	LONG
L.L.	LIVE LOAD
L.L.H.	LONG LEG HORIZONTAL
L.L.V.	LONG LEG VERTICAL
L.S.	LAG SCREW
LT.	LIGHT
MAS	MASONRY
MAT.	MATERIAL
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH'L	MECHANICAL
MEZZ.	MEZZANINE
MIN.	MINIMUM
M.H.	MANHOLE
MANUF.	MANUFACTURER
MTL.	METAL
N.S.	NEAR SIDE
N.I.C.	NOT IN CONTACT
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.H.	OPPOSITE HAND
OPN'G	OPENING
OPP	OPPOSITE
O.W.J.	OPEN WEB JOIST
P.C.	PRECAST
PERP.	PERPENDICULAR
PLYWD	PLYWOOD
PNL	PANEL
PREFAB	PREFABRICATED
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
PT	POINT
P.T.	PRESSURE TREATED
P.V.C.	POLYVINYL CHLORIDE
RAD	RADIUS
R.D.	ROOF DRAIN
REF.	REFERENCE
REINF.	REINFORCED / REINFORCING
REQ'D	REQURIRED
REV	REVISION
RF	ROOF
RFTR	RAFTER
R.H.	ROOF HATCH
RM	ROOM
R.O.	ROUGH OPENING
R.S.	ROUGH SAWN
SCHED.	SCHEDULE
SECT.	SECTION
S.F.	SQUARE FOOT
SHT	SHEET
SHT'G	SHEETING
SIM.	SIMULAR
S.M.S.	SHEET METAL SCREW
SPEC.	SPECIFICATION
SQ.	SQUARE
S.S.	STAINLESS STEEL
STAGG.	STAGGARED
STD	STANDARD
STIFF.	STIFFENER
STL.	STEEL
STRUCT'L	STRUCTURAL
STS	SELF TAPPING SCREW
SYM	SYMMETRICAL
SYS	SYSTEM
T & B	TOP AND BOTTM
T & G	TONGUE AND GROOVE
TEMP	TEMPORARY
THK	THICK
THKN'D	THICKENED
THRU	THROUGH
T.L.	TOTAL LOAD
T.O.	TOP OF
T.S.G.	TAPERED STEEL GIRDER
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
U.T.	ULTRASONIC TESTING
VERT.	VERTICAL
W/	WITH
W/O	WITHOUT
WD	WOOD
WIN	WINDOW
W.P.	WATERPROOF / WORK POINT
W.P.J.	WEAKENED PLAN JOINT
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC
W.W.M.	WELDED WIRE MESH

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PRECHECK FABRIC SHADE STRUCTURE II

Project # 22-037	S1.3
Drawn By RWE	
Date 12-20-22	

6X19/37 Class Galvanized Wire Rope

Size (in)	Approx. Wt per ft (lbs)		Nominal Breaking Load (lbs)			
			IPS		EIPS	
	FC	IWRC	FC	IWRC	FC	IWRC
1/4	0.015	0.116	4,940	5,300	5,430	6,120
5/16	0.164	0.18	7,660	8,240	8,440	9,480
3/8	0.236	0.26	10,980	11,800	12,090	13,600
☒ 7/16	0.32	0.35	14,880	16,000	16,380	18,350
1/2	0.42	0.46	19,260	20,700	21,240	24,000
9/16	0.53	0.59	24,300	26,100	26,820	30,200
5/8	0.66	0.72	30,000	32,200	32,940	37,000
3/4	0.95	1.04	42,800	46,000	47,160	53,000
7/8	1.29	1.42	58,000	62,200	63,720	71,600
1	1.68	1.85	75,200	80,800	82,800	93,000
1-1/8	2.13	2.34	94,600	101,800	104,040	117,000
1-1/4	2.63	2.89	116,200	125,000	127,980	143,800
1-3/8	3.18	3.50	139,800	150,400	153,900	172,800

kulkoni MALLEABLE WIRE ROPE CLIPS

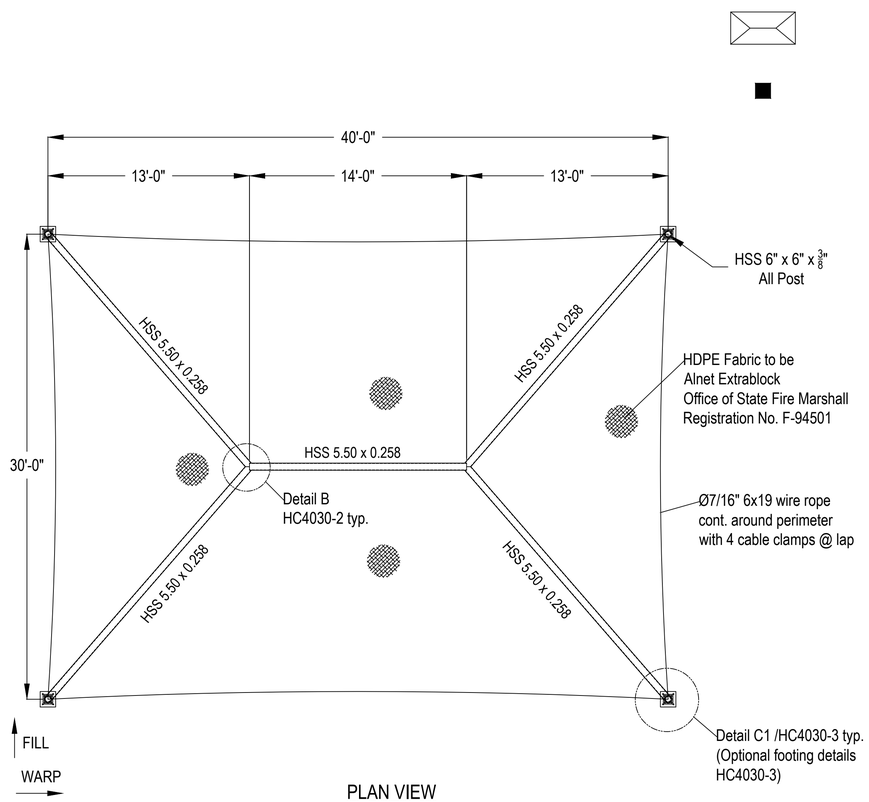
ZINC PLATED, MALLEABLE

Size in Inches	Min. Clips Required	Wire Rope Turn-Back in Inches	Torque in Foot Pounds*	Approx. Wt. in Pounds	Dimensions in Inches						
					A	B	C	D	E	F	G
1/16**	3	4	2.0	0.030	0.15	0.65	0.45	0.38	0.38	0.45	0.69
1/8**	3	4-3/4	3.0	0.040	0.18	0.81	0.50	0.50	0.50	0.56	0.94
3/16	3	5-1/2	4.5	0.063	0.25	0.94	0.56	0.56	0.56	0.63	1.06
1/4	3	7	15.0	0.130	0.31	1.19	0.75	0.75	0.69	0.75	1.31
5/16	3	7-3/4	15.0	0.150	0.31	1.31	0.84	0.75	0.75	0.75	1.44
3/8	3	9-1/2	30.0	0.210	0.38	1.63	1.00	0.88	0.84	0.88	1.63
☒ 7/16	4	10-1/4	40.0	0.370	0.38	2.00	1.19	1.06	1.00	1.06	1.88
1/2	4	15-1/4	40.0	0.370	0.44	2.00	1.19	1.06	1.00	1.06	1.88
9/16	4	16	50.0	0.590	0.50	2.31	1.38	1.25	1.25	1.28	2.09
5/8	4	16	75.0	0.590	0.50	2.31	1.38	1.25	1.25	1.28	2.09
3/4	5	22-1/4	75.0	0.940	0.56	2.56	1.56	1.31	1.44	1.56	2.38
7/8	5	23-1/2	130.0	1.250	0.63	3.06	1.81	1.63	1.75	1.81	2.88
1	6	31	130.0	1.660	0.63	3.44	2.00	1.88	2.06	2.00	3.00
1.1/8	7	39	200.0	2.430	0.75	4.00	2.75	2.00	2.19	2.06	3.38

Meets the performance requirements of Federal Specification FF-C-450, current revision, Type 1, Class 2.**
* Based on clean, unlubricated threads. The table above shows the minimum torque required to reach maximum holding power of wire rope clips.
** NOTE: 1/16" and 1/8" are not covered by Federal Specification FF-C-450, current revision.

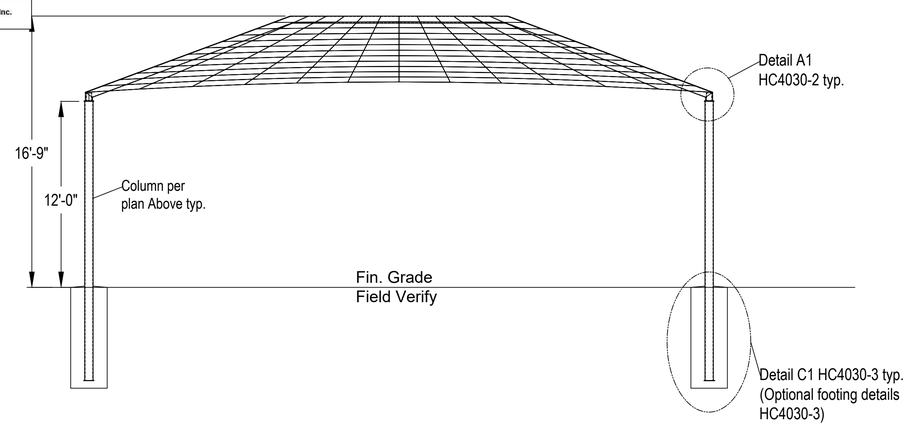
Improper use and installation of cast malleable wire rope clips can result in serious injury or death.
NEVER use cast malleable wire rope clips for lifting or suspending ANY load.
Cast malleable wire rope clips are to be used only for non-critical, light duty applications with small applied loads.
For complete installation instructions refer to page 48.

Page 52 v921 WARNING: NEVER EXCEED WORKING LOAD LIMIT Read important warnings and information on pages 2 - 5 and page 48. Kulkoni, Inc.

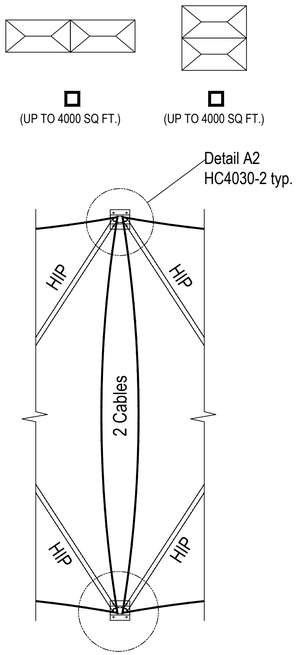


PLAN VIEW

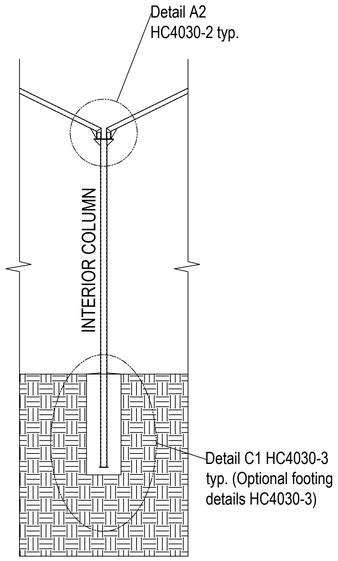
NOTES:
1 - Steel Structure not designed for snow load accumulation in excess of 5.0 psf.
All Sails/cables shall be removed prior to snow load accumulation
2 - Refer to HC4030-3/HC4030-4 for Footing details



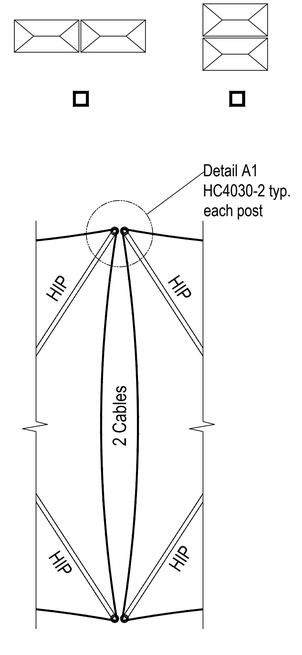
ELEVATION VIEW



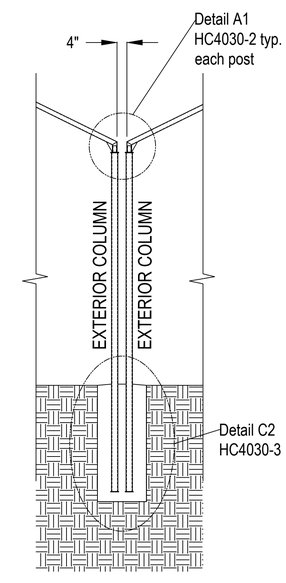
CONJOINED INTERIOR PLAN DETAIL - Single Post



CONJOINED INTERIOR COLUMN DETAIL - Single Post



DOUBLE EXTERIOR PLAN DETAIL - Double Post



DOUBLE EXTERIOR COLUMN DETAIL - Double Post

Scale: Not To Scale

JAMES L. MITCHELL REGISTERED PROFESSIONAL ENGINEER S 3081 EXP. 6/30/2025 STRUCTURAL STATE OF CALIFORNIA 2/16/24

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 02-123078 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 01/27/2025

rea architecture RONE WARDS
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ron@rearchitect.net
LICENSED ARCHITECT RONE W. EDWARDS C 25192 Exp. 08-31-2025 STATE OF CALIFORNIA

MANUFACTURER:
CUSTOM CANOPIES INC.
11815 BURKE STREET
SANTA FE SPRINGS, CA 90670

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
PRE-CHECK PC DOCUMENT CODE: 2022 CBC
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DSA APPROVAL STAMP:

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DATE: 04/12/2024

40'X30'X12' HIP CANOPY

Project # 22-037
Drawn By RWE
Date 12-20-22

HC4030-1

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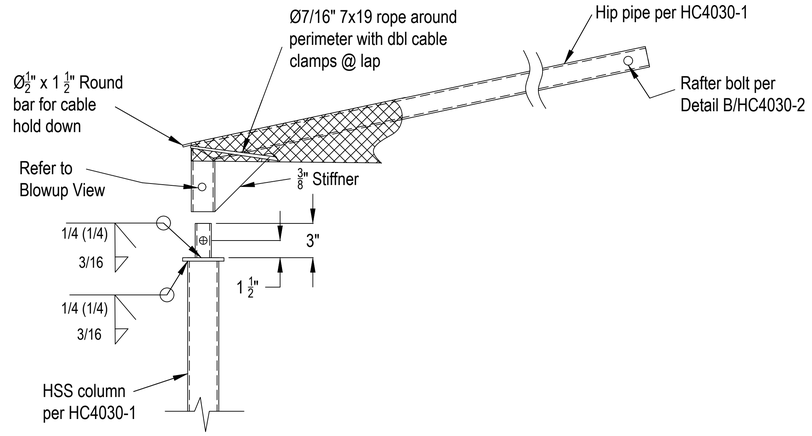
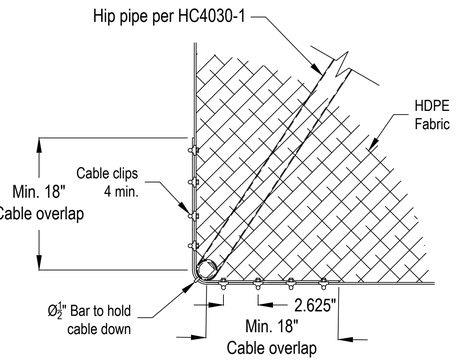
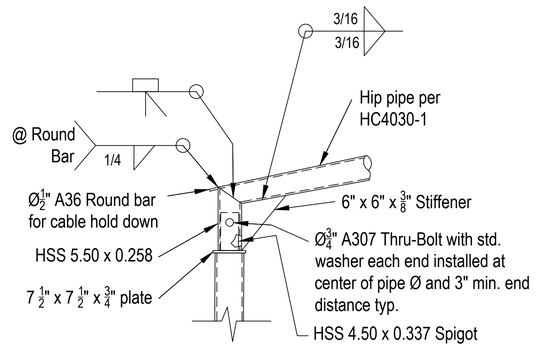
REVDATE
USER



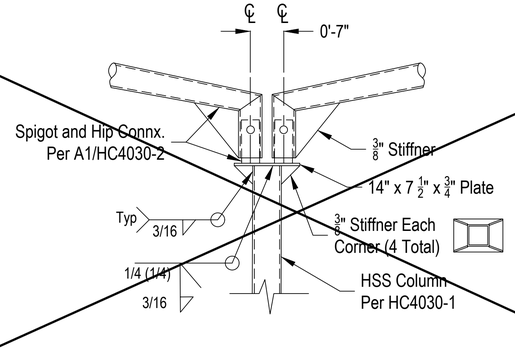
Detail A1



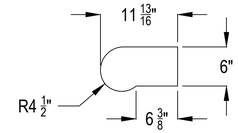
Detail A1 Top View



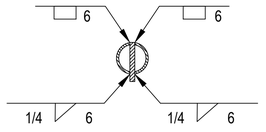
Detail A1 Blowup View



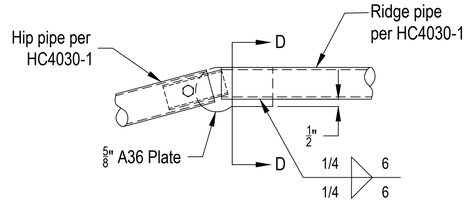
Detail A2 Blowup View



Knife Plate Detail

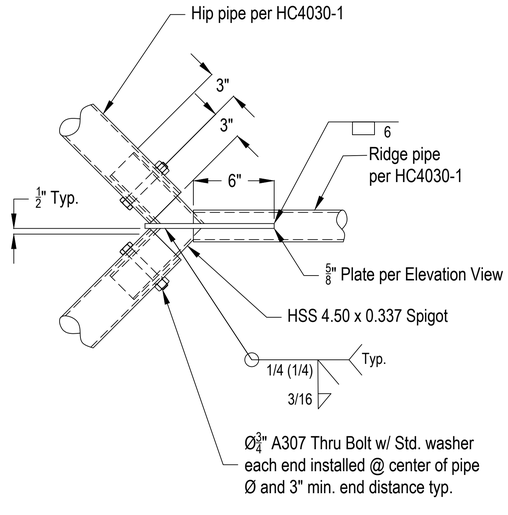


Section View D-D



Plan View

Detail B Elevation View



Detail B Plan View

Scale: Not To Scale

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123036 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/12/2024

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MANUFACTURER:
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IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
PRE-CHECK PC DOCUMENT
CODE: 2022 CBC
A separate application for construction is required

PC APPROVAL STAMP:

40'X30'X12' HIP CANOPY

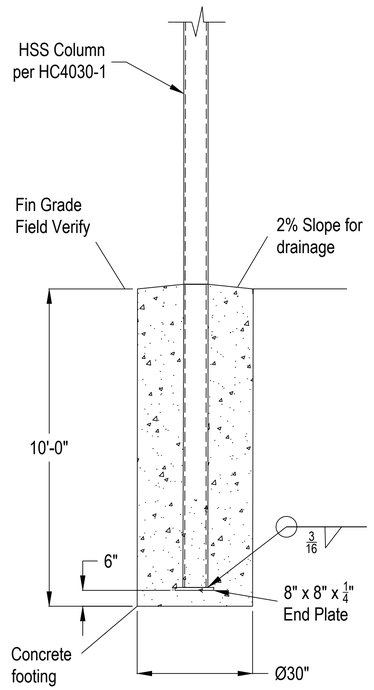
Project # 22-037
Drawn By RWE
Date 12-20-22
HC4030-2

JAMES L. MITCHELL
REGISTERED PROFESSIONAL ENGINEER
S 3081
EXP. 6/30/2025
STRUCTURAL
STATE OF CALIFORNIA
2/16/24

FNAME
REVDATE
USER

2/16/24

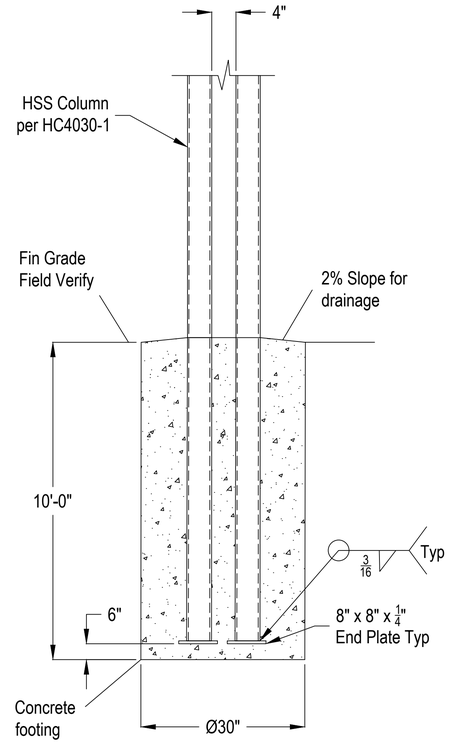
Node No.		Support Forces Px [kip]	Py [kip]	Pz [kip]	Support Moments Mx [kipft]	My [kipft]	Mz [kipft]
	D	LC1 - Self-weight					
1		-0.119	-0.104	-0.677	0.51	-0.59	0.00
3		0.119	-0.104	-0.677	0.51	0.59	0.00
5		-0.119	0.104	-0.677	-0.51	-0.59	0.00
7		0.119	0.104	-0.677	-0.51	0.59	0.00
	Pr	LC2 - Prestress					
1		0.093	0.084	0.000	-0.59	0.75	0.04
3		-0.093	0.084	0.000	-0.59	-0.75	-0.04
5		0.093	-0.084	0.000	0.59	0.75	-0.04
7		-0.093	-0.084	0.000	0.59	-0.75	0.04
	L	LC3 - Live					
1		-0.104	0.228	-0.953	-2.74	-0.55	-0.21
3		0.104	0.228	-0.953	-2.74	0.55	0.21
5		-0.103	-0.228	-0.953	2.74	-0.54	0.21
7		0.103	-0.228	-0.953	2.74	0.55	-0.21
	W	LC4 - Wind 1					
1		2.114	3.076	0.736	-24.56	16.71	0.85
3		-2.114	3.076	0.736	-24.56	-16.71	-0.85
5		2.474	-1.910	2.417	11.88	18.31	-0.63
7		-2.474	-1.909	2.417	11.87	-18.31	0.63
	W	LC5 - Wind 2					
1		0.494	1.856	1.513	-13.70	1.16	0.21
3		-2.314	2.526	0.066	-21.00	-18.49	0.55
5		0.494	-1.856	1.514	13.70	1.17	-0.21
7		-2.315	-2.526	0.066	20.99	-18.49	-0.55
	S	LC6 - Snow					
1		-0.104	0.228	-0.953	-2.74	-0.55	-0.21
3		0.104	0.228	-0.953	-2.74	0.55	0.21
5		-0.103	-0.228	-0.953	2.74	-0.54	0.21
7		0.103	-0.228	-0.953	2.74	0.55	-0.21



NOTE: This drawing shall not be used on Double Post Option

Detail C1

☑ Embedded Single Post Option



Detail C2

☐ Embedded Double Post Option

Scale: Not To Scale

FNAME

REVDATE

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IDENTIFICATION STAMP
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APP: 02-123078 INC:
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LICENSED ARCHITECT RONALD W. EDWARDS C 25192 Exp. 12-31-25 STATE OF CALIFORNIA

MANUFACTURER:

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40'X30'X12' HIP CANOPY

Project # 22-037
Drawn By RWE
Date 12-20-22

HC4030-3