LYNWOOD UNIFIED SCHOOL DISTRICT

PLAYGROUND AND SHADE STRUCTURE

AT

WILL ROGERS ELEMENTARY SCHOOL

11220 DUNCAN AVE, LYNWOOD, CA 90262

1. ALL LABOR, MATERIALS, EQUIPMENT, SERVICES AND OTHER INCIDENTAL ITEMS OR WORK RELATED THERETO AS HEREIN INCLUDED IN THESE DRAWINGS SHALL BE SUBJECT TO ALL OF THE TERMS AND CONDITIONS OF THE GENERAL CONDITIONS OF THE CONTRACT.
2. ALL CONSTRUCTION SHALL CONFORM TO CALIFORNIA CODE OF REGULATIONS AS NOTED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS AT THE SITE BEFORE BIDDING ON THE PROJECT.
4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE SUBMISSION OF BID AND THOROUGHLY FAMILIARIZE HIMSELF OR HERSELF WITH THE WORKING CONDITIONS AND THE EXACT NATURE AND EXTENT OF THE WORK. HE OR SHE SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY OMISSION AND/OR DISCREPANCIES AND OBTAIN A WRITTEN DECISION REGARDING THE SAME. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE AND FUNCTIONAL SYSTEM. ABSOLUTELY NO CHANGES IN THE CONTRACT WILL BE ENTERTAINED TO ACCOMMODATE OR ALLOW EXTRA FUNDS FOR ANY OMISSION WHICH RESULTS FROM A FAILURE TO THOROUGHLY EXAMINE THE SCOPE OF WORK.
5. ALL WORK SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
6. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS OF THE MANUFACTURER OF THE PRODUCT BEING USED FOR A COMPLETE AND PROPER INSTALLATION.
7. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE PROJECT, UNLESS NOTED OTHERWISE.
8. DO NOT SCALE THE DRAWINGS. USE REFERENCED OR NOTED DIMENSIONS ONLY. LARGE SCALE DETAILS GOVERN OVER SMALLER SCALE DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE THE SAME AS THAT WHICH ALREADY EXISTS IN THE BUILDING.
9. CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF DRAWINGS AND SPECIFICATIONS ON JOB SITE AT ALL TIMES INCLUDING COPIES OF ALL APPROVED SHOP DRAWINGS AND EQUIPMENT SUBMITTALS.
10. NO EQUIPMENT OR MATERIAL CONTAINING ASBESTOS SHALL BE USED IN THIS PROJECT.
11. THE CONTRACTOR SHALL TAKE ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING BUILDING ELEMENTS AGAINST DAMAGE FROM INCLEMENT WEATHER CONDITIONS AND BY CONSTRUCTION OPERATIONS BOTH DURING JOB HOURS AND NON WORKING HOURS. IF DAMAGE SHOULD OCCUR TO THE EXISTING BUILDING AS A RESULT OF THE ABOVE, THE CONTRACTOR SHALL REPAIR, REPLACE AND CLEAN TO THE OWNER'S SATISFACTION AT NO COST TO THE OWNER.
12. CONTRACTOR SHALL PROVIDE TEMPORARY SANDBAG BARRIER TO PROTECT EXISTING CATCH BASINS. PROVIDE DEWATERING SYSTEM AND DO NOT ALLOW MUD TO FLOW INTO STORM DRAINS DURING FORECASTED WEATHER.
13. BEFORE EARTH WORK IS STARTED, THE LOCATION OF UNDERGROUND UTILITIES SHALL BE CAREFULLY VERIFIED BY HAND METHODS, UTILITIES TO BE LEFT IN PLACE SHALL BE PROTECTED FROM DAMAGE.
14. PROTECT (E) UNDERGROUND UTILITIES INCLUDING BUT NOT LIMITED TO STORM DRAIN, ELECTRICAL, LOW VOLTAGE, ETC. DURING CONSTRUCTION. CONTRACTOR TO VERIFY EXACT DEPTH, AS REQUIRED BY PROJECT SCOPE. CONTRACTOR SHALL BE FULLY IS RESPONSIBLE TO REPAIR AND REPLACE UTILITIES ANY DAMAGED DURING CONSTRUCTION. AS-BUILT DRAWINGS FROM PREVIOUS UNDERGROUND PROJECT (FOR REFERENCE ONLY) IS AVAILABLE UPON REQUEST.
15. CONTACT "DIG ALERT" @ 1-800-277-2600 TO LOCATE UNDERGROUND UTILITIES & TRENCH/ HAND DIG ALL AREAS PRIOR TO EXCAVATION AND TRENCHING.
16. IF ANY EQUIPMENT OR UTILITY SHUTDOWN IS REQUIRED, THE CONTRACTOR SHALL GIVE NOTICE IN WRITING TO THE CONSTRUCTION COORDINATOR NOT LESS THAN FIVE (5) WORKING DAYS PRIOR TO THE SHUTDOWN.
17. THE CONTRACTOR SHALL LEAVE THE WORK AREA CLEAN AND FREE OF DEBRIS AT THE END OF EACH WORK DAY AND UPON COMPLETION OF THE WORK. HE SHALL REMOVE ALL SURPLUS MATERIALS, EQUIPMENT AND DEBRIS INCIDENTAL TO THIS CONTRACT AND LEAVE THE PREMISES CLEAN AND ORDERLY.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SAFETY BARRIERS AND SHALL NOT BLOCK LEGAL ENTRIES AND EXITS WITHOUT APPROVAL OF/AND COORDINATION BY THE OWNER OR HIS REPRESENTATIVES.
19. AS A CONDITION OF FINAL ACCEPTANCE AND FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE DISTRICT REPRESENTATIVE ONE (1) CLEAN COMPLETE SET OF AS-BUILT DRAWINGS INDICATING ALL CHANGES OR DEVIATIONS FROM THE CONTRACT SET OF DOCUMENTS.
20. CONTRACTOR SHALL CONDUCT AT LEAST ONE WEEKLY SAFETY MEETING WITH HIS WORKMEN, AND SHALL DILIGENTLY USE ANY OR ALL OTHER SAFEGUARDS TO PREVENT JOB RELATED INJURIES. ALL SAFETY ISSUES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
21. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS ARE IMPOSED BY CAL/OSHA, EPA, THE DEPARTMENT OF HEALTH SERVICES, AND OTHER LOCAL, STATE AND FEDERAL AGENCIES. CONTRACTORS ARE RESPONSIBLE FOR BEING KNOWLEDGEABLE OF AND COMPLYING WITH THESE APPLICABLE GOVERNMENT REGULATIONS.
22. THE CONTRACTOR SHALL LEGALLY DISPOSE OF ALL REMOVED EXISTING MATERIAL. UNLESS OTHERWISE NOTED.
23. REFERENCING OF DRAWINGS IS FOR CONVENIENCE ONLY AND DOES NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL.
24. THE SPECIFICATIONS, BOUND SEPARATELY, ARE PART OF THIS CONTRACT.
25. IF ANY CONFLICTS OR INCONSISTENCIES EXIST BETWEEN THE SPECIFICATIONS AND THE DRAWINGS (INCLUDING THE GENERAL NOTES), MORE STRINGENT REQUIREMENTS SHALL TAKE PRECEDENCE.
26. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK BETWEEN THE DIFFERENT TRADES TO INSURE PROPER SEQUENCE AND INSTALLATION OF WORK.
27. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL UTILITIES AND SUBSTRUCTURES WITHIN THE LIMITS OF NEW WORK WHETHER SHOWN OR NOT ON THE PLAN AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR WILL BE HELD RESPONSIBLE AND SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF SAID UTILITIES AND SUBSTRUCTURES DAMAGED BY HIS OPERATION IN CONNECTION WITH EXECUTION OF THIS WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL DAMAGES TO SAID UTILITIES AND SUBSTRUCTURES AS OUTLINED ABOVE.
28. THE CONTRACTOR SHALL PHOTOGRAPH EXISTING CONDITIONS AT START OF JOB. RECORD AND REPORT TO THE DISTRICT IN WRITING. ALL DAMAGED ITEMS NOT IDENTIFIED BEFORE START OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF THE PROJECT.
29. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL WALK THE AREAS WITH THE INSPECTOR AND MAKE A LIST OF ANY EXISTING DAMAGES TO EXISTING IMPROVEMENTS. ANY DAMAGES LATER DISCOVERED THAT ARE NOT ON THIS LIST WILL BE ASSUMED TO HAVE BEEN DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE HELD RESPONSIBLE AND BEAR THE EXPENSE FOR REPAIR OF ALL DAMAGES TO EXISTING IMPROVEMENTS.
30. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
31. THE PRODUCT MANUFACTURER OR PRODUCT BRAND SPECIFIED IS USED AS A MEASURE OF QUALITY AND UTILITY OR AS A STANDARD. IF THE CONTRACTOR DESIRES TO MAKE A SUBSTITUTION, IT SHALL BE HIS OR HER RESPONSIBILITY TO PROVIDE PROOF THAT THE SUBSTITUTION IS OF EQUAL QUALITY. THE ARCHITECT SHALL ACCEPT OR REJECT THE REQUEST FOR SUBSTITUTION AND THE DECISION SHALL BE FINAL. CONTRACTOR TO PROVIDE A LIST OF SUBMITTALS PRIOR TO CONSTRICTION, SUBSTITUTIONS ARE TO BE NOTED AT THE TIME OF BID.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE DAMAGE DONE TO EXISTING IMPROVEMENTS THAT ARE NOT PART OF DEMOLITION OR ANY OTHER PORTION OF THE CONTRACT AND SHALL PROMPTLY REPAIR OR REPLACE ANY AND ALL DAMAGES TO THE DISTRICT'S SATISFACTION AT NO ADDITIONAL COST.
33. PROTECT (E) YARD BOXES FOR SEWER, GAS, ELECTRICAL, IRRIGATION, CONTROLLERS, ETC. CONTRACTOR TO VERIFY EXACT LOCATION. REPAIR OR REPLACE IF DAMAGED DURING CONSTRUCTION.
34. CONTRACTOR SHALL PROVIDE 8 FOOT HIGH TEMPORARY CHAIN LINK FENCE WITH PRIVACY SCREEN AROUND WORK AREA WITH VEHICLE GATE AND MAN GATE WITH PADLOCK. MAINTAIN SAFE PASSAGE ROUTES TO ALL BUILDINGS.
35. CONTRACTOR SHALL REPAIR ALL EXISTING PAVING, LANDSCAPING, LAWN SPRINKLERS, UTILITIES AND ALL OTHER IMPROVEMENTS DAMAGED DURING CONSTRUCTION ACTIVITIES OF THIS CONTRACT.
36. EXISTING SITE & EXTERIOR WALL FINISHES TO BE PROTECTED DURING DEMOLITION & CONSTRUCTION.
37. FLAT SITE CONCRETE WHERE OCCURS, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. @ 28 DAYS & 4" MAX. SLUMP. REINFORCING STEEL FOR CONCRETE SHALL BE GRADE 40 FOR ALL CONCRETE WALKS. INSTALL #4 REBAR AT 18" O.C.E.W. U.O.N.WHERE CONCRETE IS CUT FOR UNDERGROUND UTILITIES, INSTALL #4 EPOXY DOWELS AT 18" O.C.E.W. TYPICAL.
38. THE ELEVATIONS INDICATED ON THE PLANS ARE FOR RELATIVE REFERENCES ONLY AND ARE APPROXIMATE. NO EXTRA COMPENSATION WILL BE GRANTED TO THE CONTRACTOR BECAUSE OF ANY DIFFERENCES AND/OR DISCREPANCIES WHICH MAY EXIST BETWEEN ACTUAL FIELD CONDITIONS AND THOSE AS REPRESENTED ON THE DRAWINGS.
39. ALL WALKS DEFINED WITHIN THE SCOPE OF WORK SHALL HAVE NON-SLIP SURFACES.
40. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS. (CCR)
41. COMPLIANCE WITH TITLE 24, FOR PARTS 1-6 AND 9.
42. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.
43. ALL ADDENDA MUST BE SIGNED BY ARCHITECTS AND APPROVED BY DSA (SECTION 4-338, PART 1)
44. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR. APPROVED CCD MUST BE SIGNED BY ALL OF THE FOLLOWING: A/E OF RECORD, STRUCTURAL ENGINEER (WHEN APPLICABLE), DELEGATED PROFESSIONAL ENGINEER (WHEN APPLICABLE), & DSA.
45. ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CCD OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION. (IR A-6 AND SECTION 4-338(c), PART 1)
46. SHOULD ANY EXISTING CONDITION SUCH AS DETERIORATION OF A NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY W/ TITLE 24, CCR, A CCD, OR A SEPARATE SET OF PLANS & SPECIFICATIONS, DETAILING, & SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO THE ARCHITECT.
47. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
48. A DSA CERTIFIED CLASS 3 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
49. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
50. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
51. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
52. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).
53. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
54. VERIFY REPORTS, IF NEEDED, ARE REQUIRED BY THE GEOTECHNICAL ENGINEER.
55. SUBMIT RFI'S TO DESIGN TEAM IN CASE OF INCONSISTENCIES BETWEEN APPROVED DRAWINGS AND APPROVED SPECIFICATIONS IN THE DESCRIPTIONS OF WORK TO BE DONE, EQUIPMENT TO BE PROVIDED OR MATERIAL TO BE USED. IT SHALL BE THAT THE MORE STRINGENT, THE MORE RESTRICTIVE, THE HIGHER QUALITY, AND THE GREATER QUANTITY OF WORK SHALL APPLY. SUBMIT REVISED DRAWINGS OR SPECIFICATIONS AS RESULT OF SUCH RFI'S TO DSA VIA CCD'S IF REQUIRED BY IR A-6.
56. ALL STRUCTURAL, ARCHITECTURAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION, WHERE OCCURS, TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
57. THE PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING.
58. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THIS CODE AND THE APPLICABLE PROVISIONS OF CHAPTER 33 OF CFC. CONTRACTOR SHALL PROVIDE WRITTEN SITE SAFETY PLAN PER DSA BU-24-05 FOR SUBMITTING TO DSA FOR APPROVAL PRIOR TO START OF CONSTRUCTION/DEMOLITION WORK AT THE SITE.
60. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN.
61. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
62. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
63. MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
64. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
65. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.
66. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
67. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

GENERAL NOTES

CENTERLINE

PROPERTY LINE

78 — NEW/FINISHED CONTOURS

78 — EXISTING CONTOURS

72.0 — NEW FINISH GRADE

68.5 — EXISTING GRADE

TW 15.0 — TOP OF WALL

TC 16.0 — TOP OF CURB

TP 15.4 — TOP OF PAVEMENT

EXIST. CHAIN LINK FENCE

NEW CHAIN LINK FENCE

DECORATIVE METAL FENCE

MATCH LINE X / MATCH LINE Y — MATCH LINE DESIGNATION

Top / Bottom — DATUM DESIGNATION
Elevation at Top
Elevation at Bottom

DOWN 1/X" FOOT — SLOPE DESIGNATION
UP / DOWN
Define Slope

X / XX — SECTION
Section Identification
Sheet Number

A / D / X / XX / C / B — INTERIOR ELEVATION
Detail Number
Elevation Identification
Sheet Number

X / XX — DETAIL
Detail Number
Sheet Number

2 — REVISION
Cloud around Revision

X — CONSTRUCTION KEYNOTE DESIGNATION

— DEMOLITION KEYNOTE DESIGNATION

SYMBOLS

@	AT
A/C.	AIR CONDITIONING
A.C.	ASPHALTIC CONCRETE
ACC.	ACCESSIBLE
A.F.F.	ABOVE FINISH FLOOR
C.L.	CENTER LINE
C.L.	CHAIN LINK
ALT.	ALTERNATE
APPROX.	APPROXIMATELY
BLDG.	BUILDING
C.M.B.	CRUSH MISCELLANEOUS BASE
C.M.U.	CONC. MASONRY UNIT
CONC.	CONCRETE
DET.	DETAIL
DIA.	DIAMETER
(E)	EXISTING
EA.	EACH
EG.	EXISTING GRADE
EL.	ELEVATION
ES.	EXISTING SURFACE
EXIST.	EXISTING
EXT.	EXTERIOR
F.A FIN.	FIRE ALARM SYSTEM FINISH
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
MAX.	MAXIMUM
MFR.	MANUFACTURER
MIN.	MINIMUM
MTD.	MOUNTED
MTL.	METAL
(N)	NEW
O.C.	ON CENTER
SEC.	SECTION
SPECS.	SPECIFICATIONS
SQ.	SQUARE
STL.	STEEL
SQ.FT.	SQUARE FOOT
SUSP.	SUSPENDED
THK.	THICK
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH

ABBREVIATIONS

CALIFORNIA BUILDING STANDARDS CODE:
California Code of Regulations (CCR), Title 24

Part 1	2022 California Administrative Code (CAC)
Part 2	2022 California Building Code (CBC)
Part 3	2022 California Electrical Code (CEC)
Part 4	2022 California Mechanical Code (CMC)
Part 5	2022 California Plumbing Code (CMC)
Part 6	2022 California Energy Code (CEC)
Part 8	2022 California Historical Building Code (CHBC)
Part 9	2022 California Fire Code (CFC)
Part 10	2022 California Existing Building Code (CEBC)
Part 11	2022 California Green Building Standards Code (CALGreen)
Part 12	2022 California Referenced Standards Code (CRSC)

PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 17	Standard for Dry Chemical Extinguishing Systems	2021 Edition
NFPA 72	National Fire Alarm and Signaling Code (CA Amended)	2022 Edition
UL 464	Audible Signaling Devices for Fire Alarm and Signaling System, Including Accessories	2003 Edition
UL 521	Standard for Heat Detectors for Fire Protective Signaling System	1999 Edition
UL 1971	Standard for Signaling Devices for the Hearing Impaired	2002 (R2012)

APPLICABLE CODES

OWNER/SCHOOL DISTRICT:
LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS ROAD,
LYNWOOD, CA 90262
PHONE: 310-603-1491
WEBSITE: WWW.MYLUSD.ORG
CONTACT: Susan M. Trevizo, Facilities Rep.
EMAIL: smtrevizo@mylusd.org

ARCHITECT:
ARCHITECTS MCDONALD, SOUTAR & PAZ, INC.
3575 LONG BEACH BOULEVARD
LONG BEACH, CA 90807
PHONE: 562-427-5007
WEBSITE: WWW.ARCHITECTSMSP.COM
CONTACT: EDGAR J. PAZ
EMAIL: epaz@architectsmsp.com

CIVIL:
BREEN DESIGN GROUP, INC.
3825 DEL AMO BLVD.
TORRANCE, CA 90503
PHONE: 310.464.8404
FAX: 310.464.8408
WEBSITE: WWW.BREENDESIGN.COM
CONTACT: EVAN FERNANDEZ

CONTACT INFORMATION

NEW FABRIC SHADE STRUCTURE:

OCCUPANCY GROUP	OCCUPANCY LOAD FACTOR	SHADE STRUCT. AREA (S.F.)	OCCUPANCY LOAD	REQUIRED SAFE DISPERSAL AREA
E	20/SF	600	30	30*3 = 90 SF.

SHADE STRUCTURE HEIGHT = 13'-4" TO PEAK

ALLOWABLE AREA = 1,600 S.F. PER DSA IR A-4, SECTON 3.4.1.

TYPE OF CONSTRUCTION = IIB

SAFE DISPERSAL AREA PROVIDED = 9500 SF. > 90 SF.

SEE 4/A100 FOR SITE SPECIFIC PARAMETERS

CODE ANALYSIS

APPENDIX A:

STATEMENT OF GENERAL CONFORMANCE
FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHERS LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

APPLICATION NO.: 03-125482 File No.: 19-66

The drawings or sheets listed on the cover or index sheet, has 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 constructed 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. (Title24, Part 1, Section 4-317)

APPENDIX B:

I find that:

☑ All drawings or sheets listed on the index sheet. See Sheet index for PC# 02-122599.

☑ is in general conformance with the project design, and

☑ has been coordinated with the project plans and specification.

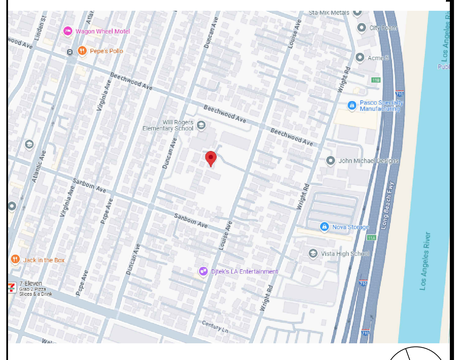
Architect or engineer designated to be in general responsible charge

EDGAR PAZ, AIA
Print Name

C-22657 — License Number — 11/25 EXP Date

Signature — 6/27/25 Date

STATEMENT OF GEN. CONFORMANCE



NORTH

VICNITY MAP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1815F

FIRM

FLOOD INSURANCE RATE MAP

LOS ANGELES COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1815 OF 2350
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LOS ANGELES COUNTY	065043	1815	F
CARSON, CITY OF	060107	1815	F
COMPTON, CITY OF	060111	1815	F
LONG BEACH, CITY OF	060136	1815	F
LOS ANGELES, CITY OF	060137	1815	F
LYNWOOD, CITY OF	060635	1815	F
PARAMOUNT, CITY OF	065049	1815	F
SOUTH GATE, CITY OF	060163	1815	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 06037C1815F

EFFECTIVE DATE SEPTEMBER 26, 2008

Federal Emergency Management Agency

FLOOD MAP

SEE FLOOD ZONE X MAP ON SHEET T101

SCOPE OF WORK SUMMARY

- INSTALL ONE (1) NEW FABRIC HIP SHADE STRUCTURE
- ONE (1) NEW PLAYGROUND EQUIPMENT REPLACEMENT
- NEW PLAYGROUND SAFTETY SURFACE REPLACEMENT
- ACCESSIBLE UPGRADE TO PATH OF TRAVEL AND NEW CONCRETE PAVEMENT AND WALK PATH TO REPLACE EXISTING PAVEMENTS
- ACCESSIBLE UPGRADE TO SECTION OF 4 FEET HIGHT CHAIN LINK GATE AND FENCE WITH NEW FENCE AND GATE.
- NEW ACCESSIBLE TRI LEVEL DRINKING FOUNTAINS TO REPLACE EXISTING DRINKING FOUNTAINS.
- DEMO AND REMOVE EXISTING PER PLAN FOR NEW WORK
- GEOTECHNICAL INVESTIGATION REPORT AND GEOTECHNICAL ADDENDUM LETTER ARE MADE PART OF THIS PROJECT REQUIREMENT. SEE GEOTECHNICAL REPORT, AND GEOTECHNICAL ADDENDUM LETTER IN THE BID DOCUMENTS.

ACCESSIBILITY NOTES:
THE FOLLOWING ACCESSIBLE ELEMENTS ARE REQUIRED PER CBC 11B-202.4 EXCEPTION #8 AS FOLLOWS (IN ORDER OF PRIORITY):
1. AN ACCESSIBLE ENTRANCE
2. AN ACCESSIBLE ROUTE SERVING AREA OF ALTERATION
3. AT LEAST ONE ACCESSIBLE RESTROOM FOR EACH SEX OR ONE ACCESSIBLE UNISEX (SINGLE-USER OR FAMILY) RESTROOM
4. ACCESSIBLE TELEPHONES
5. ACCESSIBLE HI/LO DRINKING FOUNTAIN
6. WHEN POSSIBLE, ADDITIONAL ACCESSIBLE ELEMENTS SUCH AS PARKING,SIGN, STORAGE AND ALARMS.

THE FOLLOWING ACCESSIBLE ELEMENTS ARE PROVIDED AND ILLUSTRATED IN THE FOLLOWING DOCUMENTS PLANS/SPECIFICATIONS:
1. ACCESSIBLE ROUTES IMPROVEMENT
2. ACCESSIBLE HI/LO DRINKING FOUNTAIN
3. ACCESSIBLE GATE WITH PANIC HARDWARE

DSA EXEMPTION NOTE:
S1. PLAY STRUCTURE IS EXEMPTED FROM STRUCTURAL SAFETY AND FIRE & LIFE SAFETY REVIEWS **PER IR A-22 APPENDIX A, ITEM 10** AND IS NOT PART OF THIS DSA APPROVAL.
S2. OPEN-MESH FENCES LESS THAN 35FT. IN HEIGHT IS EXEMPTED FROM STRUCTURAL; SAFETY AND FIRE & LIFE SAFETY REVIEWS PER IR A-22 APPENDIXA, ITEM 12 AND IS NOT PART OF THIS DSA APPROVAL.

CONTRACTOR SHALL PROVIDE WRITTEN SITE SAFETY PLAN PER DSA BU-24-05 FOR SUBMITTING TO DSA FOR APPROVAL AFTER AWARD LETTER, AND PRIOR TO START OF CONSTRUCTION/DEMOLITION WORK AT THE SITE. SEE GENERAL NOTE 59 & 60.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE
AT
WILL ROGERS CHILD DEVELOPMENT CENTER
11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BLVD.
LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

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11-30-25
EXP. DATE
LIC. NO. C-22657
STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE
△			
△			
△			

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:		25-1419	
CHECKED BY:	LS	DRAWN BY:	SU
DATE:		08-19-2025	

DRAWING DESCRIPTION

TITLE SHEET

DRAWING NUMBER

T100

G:\ACAD\2025\25-1419 LUSD Will Rogers ECC Playground\DRAWINGS\Sheets\01_T100 Will Rogers Title Sheet.dwg

PRINTED DATE: 8/20/2025

	SHEET NO.	DESCRIPTION
1	T100	TITLE SHEET
2	T101	SHEET INDEX
		CIVIL
3	C1.0	TITLE SHEET AND DETAILS
4	C2.0	SITE DEMOLITION PLAN
5	C3.0	FINISH GRADING PLAN
6	C4.0	EROSION CONTROL PLAN
		ARCHITECTURAL
7	A100	OVERALL SITE PLAN
8	A101	ENLARGED DEMOLITION SITE PLAN
9	A102	ENLARGED CONSTRUCTION SITE PLAN
10	A800	DRINKING FOUNTAIN DETAILS
11	A801	GATE DETAILS
12	A802	METAL FENCE & GATES DETAILS
13	A803	EQUIPMENT DETAILS
		PC# 02-122399 PC STRUCTURE
14	S1	COVER SHEET AND NOTES
15	S2	ELEVATION DETAILS
16	S3	TYPICAL DETAILS
17	S4	REFERENCE TABLES
18	S5	SPECIFICATION INFORMATION
19	S6	EXAMPLE FORM DSA 103 - TEST & INSPECTION

TOTAL NO. OF SHEETS: 19

SHEET INDEX 2

National Flood Hazard Layer FIRMette

FEMA

118°11'15"W 33°55'40"N



118°10'37"W 33°55'10"N

0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS
  - Without Base Flood Elevation (BFE) *Zone A, V, A99*
  - With BFE or Depth *Zone AE, AO, AH, VE, AR*
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
  - Future Conditions 1% Annual Chance Flood Hazard *Zone X*
  - Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
  - Area with Flood Risk due to Levee *Zone D*
- OTHER AREAS
  - NO SCREEN Area of Minimal Flood Hazard *Zone X*
  - Effective LOMRs
  - Area of Undetermined Flood Hazard *Zone D*
- GENERAL STRUCTURES
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES
  - 20.2 Cross Sections with 1% Annual Chance
  - 17.5 Water Surface Elevation
  - Coastal Transect
  - Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/12/2025 at 6:21 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

FLOOD ZONE AH (MAP) 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT

LYNWOOD UNIFIED SCHOOL DISTRICT
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PLAYGROUND & SHADE STRUCTURE
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11-30-25
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REV	BY	DESCRIPTION	DATE

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:	25-1419
CHECKED BY: LS	DRAWN BY: SU
DATE:	08-19-2025

DRAWING DESCRIPTION

SHEET INDEX

DRAWING NUMBER

T101

PRINTED DATE: 9/11/2025

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GENERAL NOTES:

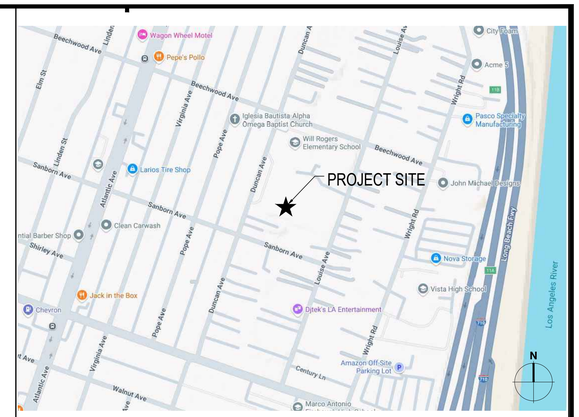
1. CONSTRUCT SITE WORK TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF WHITTIER AND THE DIVISION OF THE STATE ARCHITECT. SECURE AND PAY FOR REQUIRED CONSTRUCTION PERMITS.
2. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
3. GRADE LAWN, TURF, PLANTING AND AGRICULTURAL AREA 1 ½" BELOW DESIGN GRADES INDICATED.
4. ADJUST TO DESIGN GRADE TOP OF EXISTING VALVE BOXES WITHIN AREAS TO BE REGRADED.
5. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS. FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA, INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
6. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
7. LIMITS OF SITE - REVIEW ENTIRE SET FOR SCOPES OF WORK BEYOND LIMITS OF SITE, INCLUDING CONSTRUCTION AND PHASING/STAGING. COORDINATE WITH OWNER REPRESENTATIVE FOR SCOPES OF WORK THAT OCCURS OUTSIDE LIMITS OF SITE.
8. GEOTECHNICAL REPORTS PREPARED FOR THIS PROJECT WERE PREPARED BY GEOTECHNICAL PROFESSIONAL INC. PROJECT NO. 3319.I DATED JUNE 10, 2025.

ABBREVIATIONS:

ABV	ABOVE	CONC	CONCRETE	F	FILL	MAX	MAXIMUM	PSI	POUNDS PER SQUARE INCH	T	TANGENT
AC	ASPHALT CONCRETE	CONN	CONNECTION, CONNECT	FF	FINISH FLOOR	MB	MAP BOOK	PT	POINT	TAD	TOP OF AREA DRAIN
ADDL	ADDITIONAL	CONST	CONSTRUCTION	FG	FINISH GRADE	MC	MIDDLE OF CURVE	PVC	POLYVINYL CHLORIDE	TC	TOP OF CURB
AFSR	AUTOMATIC FIRE SPRINKLER	CONT	CONTINUATION	FH	FIRE HYDRANT	MIN	MINIMUM	PVMT	PAVEMENT	TCB	TOP OF CATCH BASIN
AGG	AGGREGATE	COR	CORNER	FL	FLOW LINE	MISC	MISCELLANEOUS	POT	PATH OF TRAVEL	TELE	TELEPHONE
APPROX	APPROXIMATE	CSP	CORRUGATED STEEL PIPE	FP	FINISH PAD	MOD	MODIFIED			TEMP	TEMPORARY
ARCH	ARCHITECTURAL PLANS	CY	CUBIC YARDS	FS	FINISH SURFACE			R	RIDGE LINE, RADIUS, RATE	TF	TOP OF FENCE
				FT	FOOTING	N	NORTH	RAD	RADIAL	TFTG	TOP OF FOOTING
BC	BEGIN CURVE	D	DEPTH	FUT	FUTURE	NA	NOT APPLICABLE	REINF	REINFORCED	TG	TOP OF GRATE
BCR	BEGIN CURB END	DET	DETAIL	FW	FIREWATER	NIC	NOT IN CONTRACT	RET	RETAINING	TH	TOP OF HEADER
BLDG	BUILDING	DIA	DIAMETER			NLY	NORTHERLY	REQD	REQUIRED	THK	THICK
BLW	BELOW	DIP	DUCTILE IRON PIPE	G	GAS	NO	NUMBER, NORTH	REV	REVISED, REVISION	TMH	TOP OF MANHOLE
BM	BENCH MARK	DS	DOWNSPOUT	GA	GAUGE	NTS	NOT TO SCALE	ROW	RIGHT OF WAY	TMS	TOP OF MOW STRIP
BOE	BOTTOM OF EXCAVATION	DW	DOMESTIC WATER	GALV	GALVANIZED					TOS	TOP OF SLOPE
BOS	BOTTOM OF SLOPE	DWG(S)	DRAWING(S)	GB	GRADE BREAK	Ø	DIAMTER	S	SLOPE, SEWER, SOUTH	TR	TRACT
BS	BOTTOM OF STEP	DWY	DRIVEWAY			OC	ON CENTER	SD	STORM DRAIN	TS	TOP OF STEP
BW	BACK OF WALK			H	HIGH, HEIGHT	OPNG	OPENING	SDWK	SIDEWALK	TTD	TOP OF TRENCH DRAIN
		E	EAST	HORIZ	HORIZONTAL			SHT	SHEET	TW	TOP OF WALL
C	CUT	EX	EXISTING	HP	HIGH POINT	PA	PLANTING AREA	SIM	SIMILAR	TYP	TYPICAL
CA	CABLE	EA	EACH	HPFL	HIGH POINT FLOWLINE	PD	PLANTER DRAIN	SL	STREET LIGHT		
CAB	CRUSHED AGGREGATE BASE	ESMT	EASEMENT			PCC	PORTLAND CEMENT CONCRETE	SLY	SOUTHERLY	VAR	VARIABLE
CATV	CABLE TELEVISION	EX	END CURVE	INV	INVERT ELEVATION		POINT OF COMPOUND CURVE	SO	SOUTH	VCP	VITRIFIED CLAP PIPE
CB	CATCH BASIN	ECR	END CURB RETURN	INT	INTERSECTION	PKG	PARKING	SPEC	SPECIFICATION	VERT	VERTICAL
CF	CURB FACE	EG	EDGE OF GUTTER	INV	INVERT	PM	PARCEL MAP	SS	SANITARY SEWER		
C&G	CURB AND GUTTER	ELEV	ELEVATION	IRR	IRRIGATION	POC	POINT OF CURVE	STA	STATION	W	WATER, WIDTH, WEST
CIP	CAST IRON PIPE	ELEC	ELECTRICAL				POINT OF CONNECTION	STD	STANDARD	W/	WITH
CL	CENTERLINE, CHAIN LINK	ELY	EASTERLY	L	LENGTH	PIV	POST INDICATOR VALVE	STL	STEEL	WLY	WESTERLY
CLR	CLEAR	EP	EDGE OF PAVEMENT	LF	LINEAR FOOT	PRC	POINT OF REVERSE CURVE	SYMM	SYMMETRICAL	WM	WATER METER
CMP	CORRUGATED METAL PIPE	EQ	EQUAL			PROD	PRODUCT LINE				
CO	CLEAN OUT, COUNTRY	EW	EACH WAY			PSF	POUNDS PER SQUARE FOOT			XING	CROSSING

INDEX:

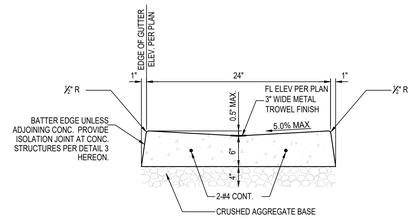
SHEET NO.	SHEET TITLE
C1.0	TITLE SHEET AND DETAILS
C2.0	SITE DEMOLITION PLAN
C3.0	FINISH GRADING PLAN
C4.0	EROSION CONTROL PLAN



VICINITY MAP

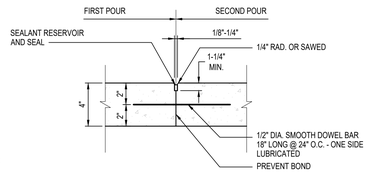
SCALE: N.T.S.

CONCRETE GUTTER 5



NOTE:
REFER TO DETAIL 1 HEREON FOR SUGRADE COMPACTION.

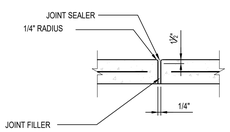
CONSTRUCTION JOINT 2



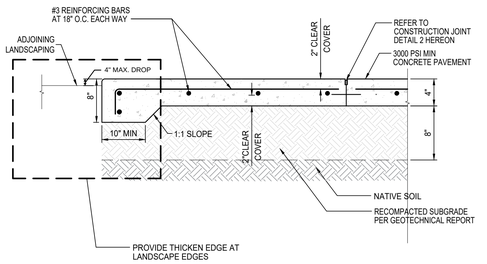
NOTES:

1. USE SMOOTH BARS FOR DOWELS COATED TO PREVENT BOND, OR GREASE ONE END PRIOR TO SECOND POUR.
2. CONSTRUCTION JOINTS SHALL ONLY BE LOCATED WHERE A CONTRACTION OR OTHER JOINT WOULD OTHERWISE HAVE BEEN REQUIRED.
3. PROVIDE ADEQUATE SUPPORT FOR DOWELS TO ENSURE THEY REMAIN LEVEL WITH FINISH SURFACE.
4. STOP SLAB REINFORCING AT CONSTRUCTION JOINTS.

CONCRETE HEADER 4



CONCRETE PAVEMENT 1



NOTES:

1. SEE DETAILS 2 AND 3 HEREON FOR JOINT CONSTRUCTION.
2. SEE SPECIFICATIONS FOR TYPE OF JOINT SEALANT AND JOINT FILLER.
3. SPACING OF JOINTS PER TABLE HEREON.
4. STOP SLAB REINFORCING AT EXPANSION JOINT.
5. CONTRACTOR TO SUBMIT JOINT PATTERNS FOR REVIEW AND APPROVAL TO THE ARCHITECT PRIOR TO PLACING CONCRETE.
6. STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615, DEFORMED GRADE 60 OR 75 BILLET STEEL.

SUGGESTED SPACING OF CONTROL JOINTS:

PAVEMENT/SLAB THICKNESS (IN)	LESS THAN ½ INCH AGGREGATE: SPACING (FT)	LARGER THAN ½ INCH AGGREGATE: SPACING (FT)	SLUMP LESS THAN 4 IN: SPACING (FT)
3	4	6	8
4	6	8	10

GIVEN SPACING ALSO APPLY TO THE DISTANCE FROM CONTROL JOINTS TO PARALLEL ISOLATION JOINTS OR TO PARALLEL CONSTRUCTION JOINTS.

ISOLATION JOINT 3

JOINT FILLER:

PER ASTM D1751; ASPHALT IMPREGNATED FIBERBOARD OR FELT, 0.25-INCH; TONGUE AND GROOVE PROFILE, EXTERIOR USE ONLY.

PER ASTM D1752; PREMOLDED SPONGE RUBBER FULLY COMPRESSIBLE WITH RECOVERY RATE OF MIN. 95 PERCENT.

SEALANT:
ASTM C309, ACRYLIC COPOLYMER, HIGH SOLID CURING AND SEALING COMPOUND.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE

AT

WILL ROGERS CHILD DEVELOPMENT CENTER
11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
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REV	BY	DESCRIPTION	DATE

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:	25-1419
DRAWN BY:	MSP/SU
DATE:	04-30-2025

DRAWING DESCRIPTION

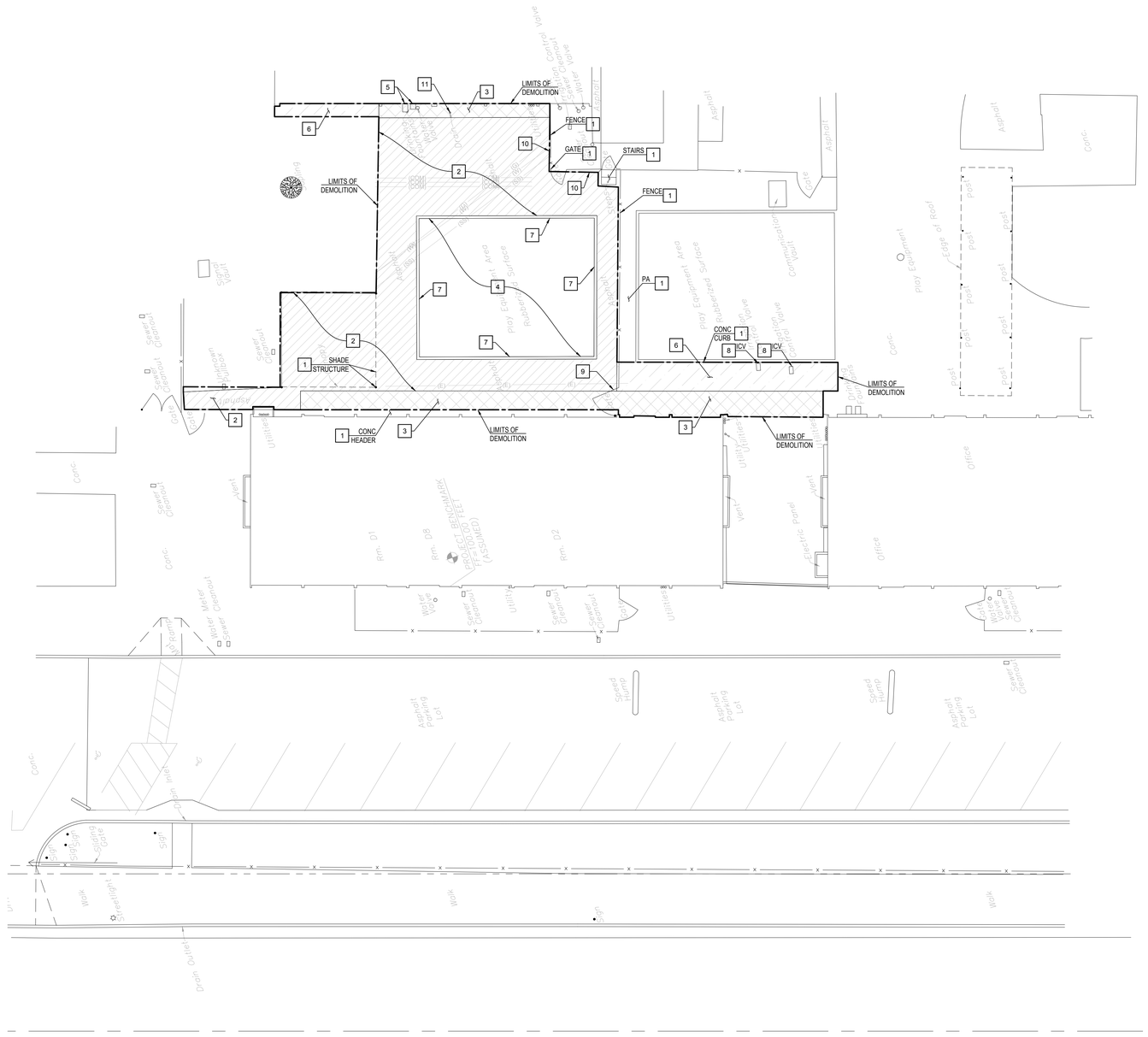
TITLE SHEET AND DETAILS

DRAWING NUMBER

C1.0

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PRINTED DATE: 7/28/2025



DEMOLITION NOTES:

1. PROTECT IN PLACE.
2. REMOVE ASPHALT CONCRETE PAVEMENT AND BASE.
3. REMOVE CONCRETE PAVEMENT AND BASE.
4. REMOVE PLAY SURFACING MATERIAL, BASE, EQUIPMENT, AND FOUNDATIONS.
5. REMOVE DRINKING FOUNTAIN. REFER TO ARCHITECTURAL DRAWINGS.
6. CLEAR AND GRUB GROUND COVER.
7. REMOVE HEADER AND PLAY SURFACING MATERIAL AND BASE.
8. REMOVE AND RELOCATE EXISTING SURFACE UTILITY BOXES.
9. REMOVE EXISTING GATE AND FENCING. REFER TO ARCHITECTURAL DRAWINGS .
10. REMOVE WOOD HEADER.
11. REMOVE EXISTING SURFACE DRAIN AND CAP END AT IMPROVEMENT LIMITS.

LEGENDS:

DEMOLITION LIMITS

CONCRETE REMOVAL

ASPHALT REMOVAL

LANDSCAPE REMOVAL

0' 5' 10' 20'

GRAPHIC SCALE:1"=10'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE

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STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE
1			
2			
3			

File #: __-__
App. #: 03-_____

PROJECT NUMBER:	25-1419
DRAWN BY:	MSP/SU
DATE:	04-30-2025

DRAWING DESCRIPTION

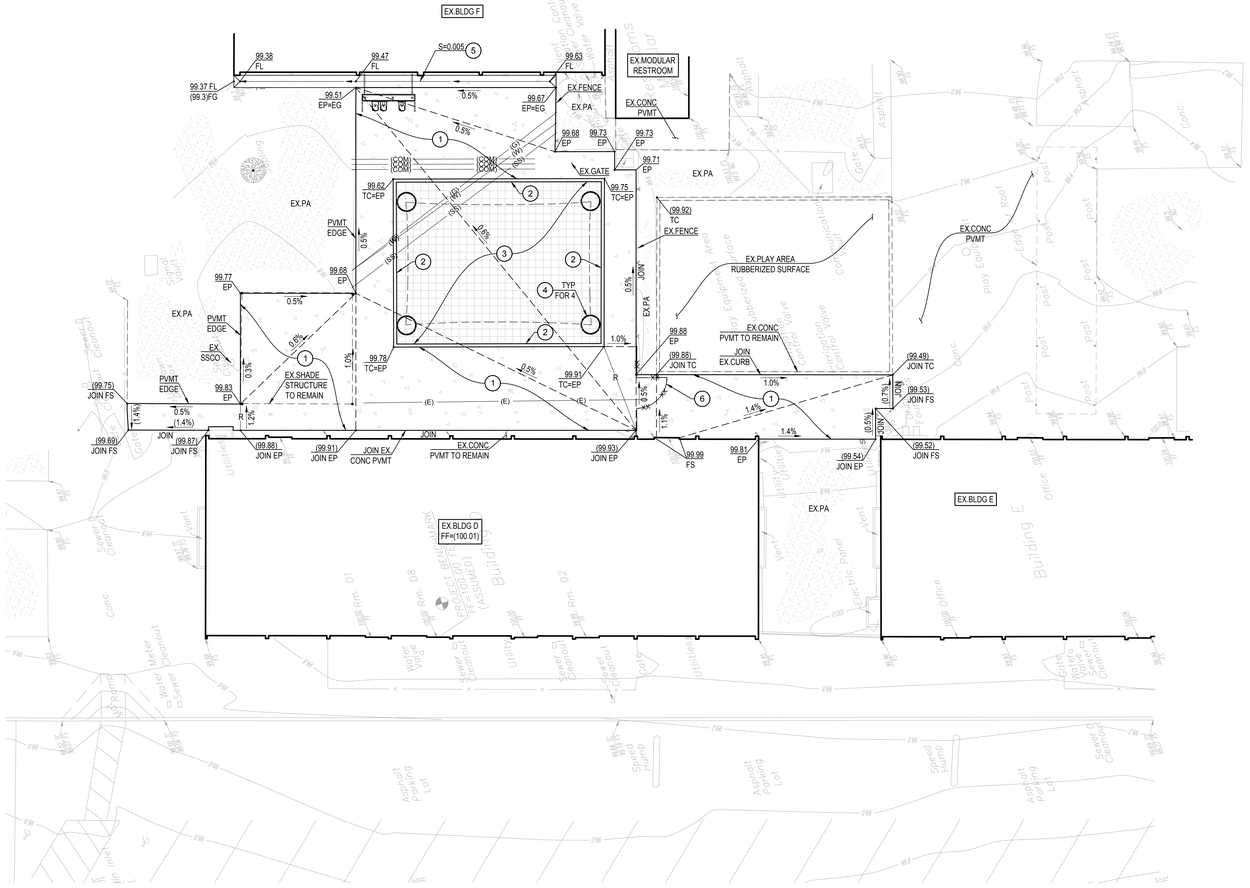
SITE DEMOLITION PLAN

DRAWING NUMBER

C2.0

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PRINTED DATE: 8/14/2025



CONSTRUCTION NOTES

1. CONSTRUCT CONCRETE PAVEMENT PER DETAIL 1 ON SHEET C1.0.
2. CONSTRUCT CONCRETE HEADER AT PLAY GROUND SURFACE EDGE PER DETAIL 4 ON SHEET C1.0.
3. CONSTRUCT PLAYGROUND SURFACE AND EQUIPMENT PER ARCHITECTURAL DRAWINGS.
4. CONSTRUCT NEW SHADE STRUCTURE. REFER TO ARCHITECTURAL DRAWINGS.
5. CONSTRUCT CONCRETE GUTTER PER DETAIL 5 ON SHEET C1.0.
6. CONSTRUCT FENCING AND GATE. REFER TO ARCHITECTURAL DRAWINGS.

LEGENDS:

- CONCRETE PAVEMENT
- PLAYGROUND SURFACE
- (790) EXISTING CONTOUR
- FLOW LINE
- R — R RIDGE LINE
- GRADE CHANGE
- 150.30 FS SPOT ELEVATION
- (150.30) FS EXISTING SPOT ELEVATION

0' 5' 10' 20'
GRAPHIC SCALE:1"=10'

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EXP. 09/30/25
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STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE
1			
2			
3			

File #: __-__
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PROJECT NUMBER:	25-1419
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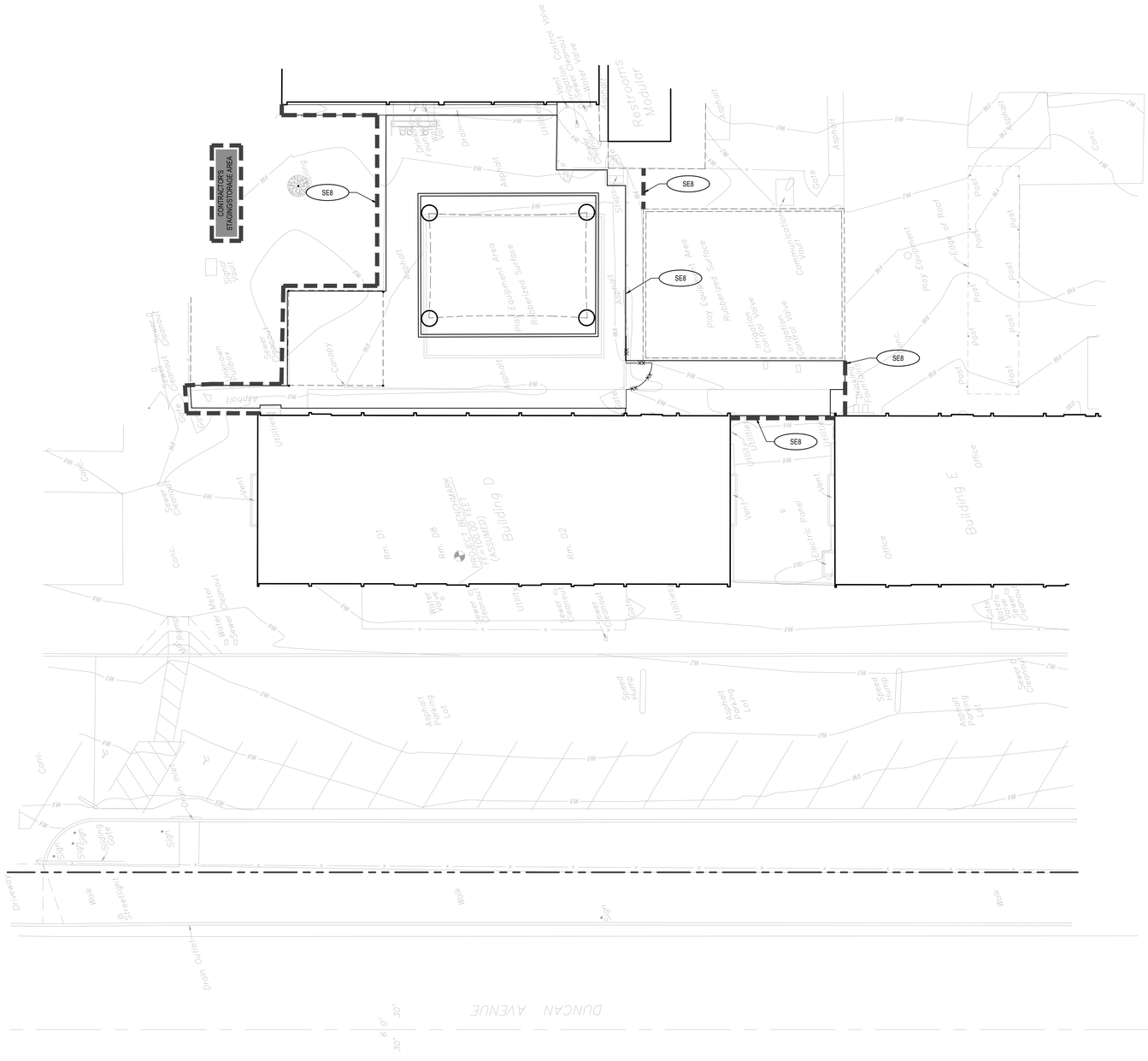
FINISH GRADING PLAN

DRAWING NUMBER

C3.0

PRINTED DATE: 8/14/2025

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EROSION CONTROL GENERAL NOTES:

1. IN CASE OF EMERGENCY CALL _____
2. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ONSITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED IF THE GRADING HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE CONTRACTOR. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR, UNLESS THE GRADING HAS PROGRESSED TO WHERE THEY ARE NO LONGER REQUIRED.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES. THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITES AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
12. STOCKPILES OF EARTH AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE BY THE FORCES OF WIND AND WATER.
13. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ONSITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. THE CONTRACTORS ARE RESPONSIBLE TO INSPECT THAT ALL EROSION CONTROL DEVICE BMP's ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
16. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OR RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICULAR TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED TO INHIBIT EROSION BY WIND AND WATER.
19. THE FOLLOWING BMP's FROM THE "CALIFORNIA STORM WATER BMP CONSTRUCTION HANDBOOK" - 2024, MUST BE IMPLEMENTED FOR ALL CONSTRUCTION ACTIVITIES AS APPLICABLE.
20. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THE PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND THE MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION ACTIVITY.

_____ CIVIL ENGINEER SIGNATURE

_____ DATE

21. PROVIDE INLET CONTROL MEASURES FOR ALL EXISTING AND PROPOSED STORM DRAIN INLETS.

CONSTRUCTION BMPs:

EROSION CONTROL

EC1 - SCHEDULING
EC2 - PRESERVATION OF EXISTING VEGETATION
EC3 - HYDRAULIC MULCH
EC4 - HYDROSEEDING
EC5 - SOIL BINDERS
EC6 - STRAW MULCH
EC7 - GEOTEXTILES & MATS
EC8 - WOOD MULCHING
EC9 - EARTH DIKES AND DRAINAGE SWALES
EC10 - VELOCITY DISSIPATION DEVICES
EC11 - SLOPES DRAINS
EC12 - STREAMBANK STABILIZATION
EC13 - RESERVED
EC14 - COMPOST BLANKETS
EC15 - SOIL PREPARATION/ROUGHENING
EC16 - NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

SE1 - SILT FENCE
SE2 - SEDIMENT BASIN
SE3 - SEDIMENT TRAP
SE4 - CHECK DAM
SE5 - FIBER ROLLS
SE6 - GRAVEL BAG BERM
SE7 - STREET SWEEPING AND VACUUMING
SE8 - SANDBAG BARRIER
SE9 - STRAW BALE BARRIER
SE10 - STORM DRAIN INLET PROTECTION
SE11 - ACTIVE TREATMENT SYSTEMS
SE12 - TEMPORARY SILT DIKE
SE13 - COMPOST SOCKS & BERMS
SE14 - BIOFILTER BAGS

WIND EROSION CONTROL

WE1 - WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 - STABILIZED CONSTRUCTION ENTRACE/EXIT
TC2 - STABILIZED CONSTRUCTION ROADWAY
TC3 - ENTRANCE/OUTLET TIRE WASH

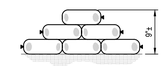
NON-STORMWATER MANGEMENT

NS1 - WATER CONSERVATION PRACTICES
NS2 - DEWATERING OPERATIONS
NS3 - PAVING AND GRINDING OPERATIONS
NS4 - TEMPORARY STREAM CROSSING
NS5 - CLEAR WATER DISVERSION
NS6 - ILLICIT CONNECTION/DISCHARGE
NS7 - POTABLE WATER/IRRIGATION
NS8 - VEHICLE AND EQUIPMENT CLEANING
NS9 - VEHICLE AND EQUIPMENT FUELING
NS10 - VEHICLE AND EQUIPMENT MAINTENANCE
NS11 - PILE DRIVING OPERATIONS
NS12 - CONCRETE CURING
NS13 - CONCRETE FINISHING
NS14 - MATERIAL AND EQUIPMENT USE
NS15 - DEMOLITION ADJACENT TO WATER
NS16 - TEMPORARY BATCH PLANTS

WATER MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 - MATERIAL DELIVERY
WM2 - MATERIAL USE
WM3 - STOCKPILE MANAGEMENT
WM4 - SPILL PREVENTION AND CONTROL
WM5 - SOLID WASTE MANAGEMENT
WM6 - HAZARDOUS WASTE MANAGEMENT
WM7 - CONTAMINATION SOIL MANAGEMENT
WM8 - CONCRETE WASTE MANAGEMENT
WM9 - SANITARY/SEPTIC WASTE MANAGEMENT
WM10 - LIQUID WASTE MANAGEMENT

LEGEND:



SE8 SANDBAG DETAIL-1
NO SCALE

SE8

CONTRACTOR'S STAGING/STORAGE AREA

CONTRACTOR'S STAGING/STORAGE AREA INCLUDES:
WM-1 MATERIAL DELIVERY AND STORAGE,
WM-2 MATERIAL USE,
WM-3 STOCKPILE MANAGEMENT,
WM-4 SPILL PREVENTION,
WM-5 SOLID WASTE MANAGEMENT,
WM-6 HAZARDOUS WASTE MANAGEMENT,
WM-8 CONCRETE WASTE MANAGEMENT, AND
WM-9 SANITARY/SEPTIC WASTE MANAGEMENT
SANDBAG ENTIRE PERIMETER OF STAGING/STORAGE AREA.

0' 5' 10' 20'
GRAPHIC SCALE:1"=10'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE

AT

WILL ROGERS CHILD DEVELOPMENT CENTER
11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
McDonald, Soutar & Pate, Inc.
3575 LONG BEACH BLVD.
LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

LICENSED ARCHITECT
EDGAR J. PATE
SIGNATURE
11-30-25
EXP. DATE
LIC. NO. C-22887
STATE OF CALIFORNIA

BREEN DESIGN GROUP
3825 DEL AMO BOULEVARD
TORRANCE, CA 90503
PH: 310 464 8404
WWW.BREENDESIGN.COM

REGISTERED PROFESSIONAL ENGINEER
DAVID LEE BREEN
NO. C70897
CIVIL
STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE
△			
△			
△			

File #: __-__
App. #: 03-_____

PROJECT NUMBER:	25-1419
DRAWN BY:	MSP/SU
DATE:	04-30-2025

DRAWING DESCRIPTION

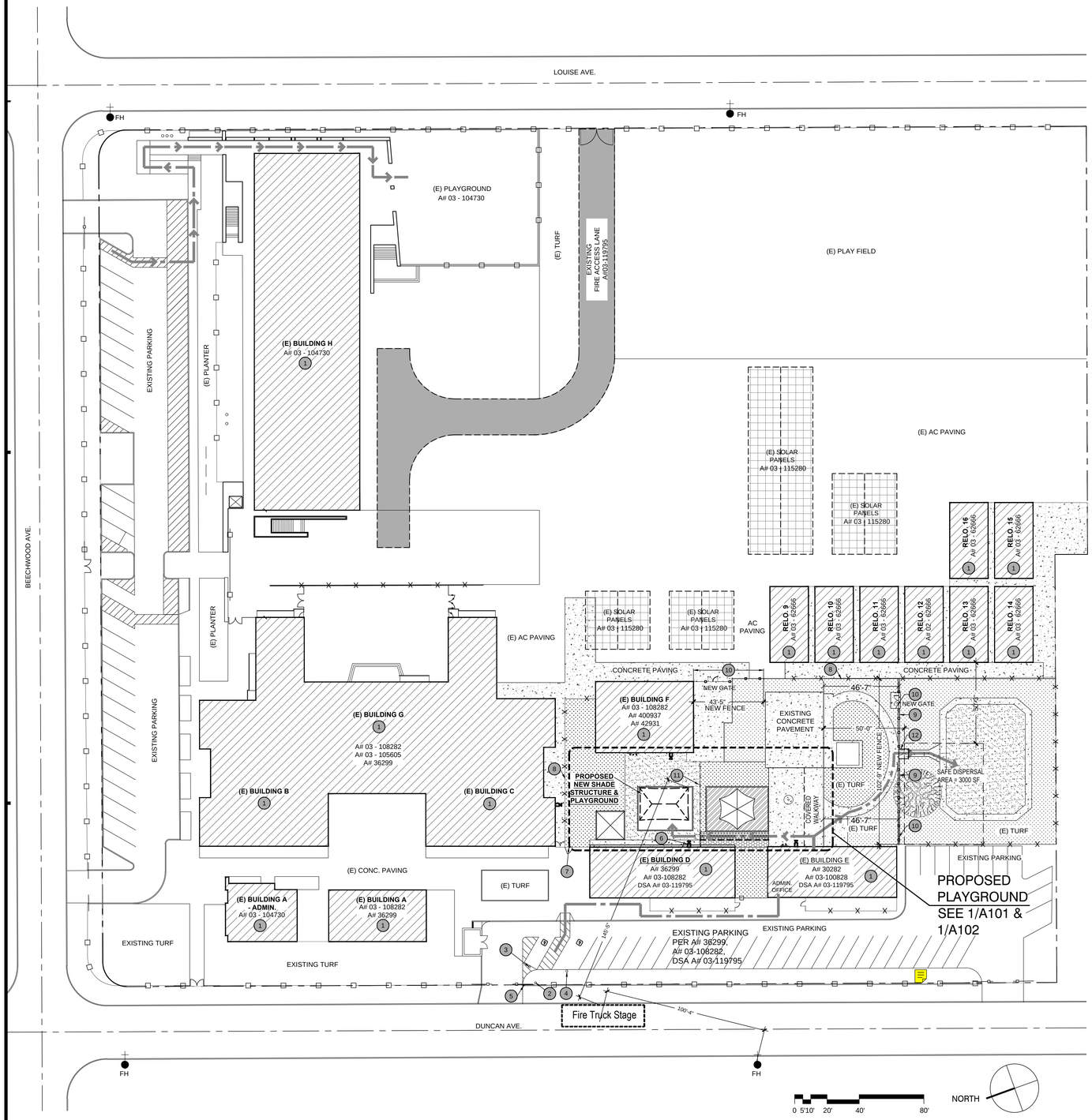
EROSION CONTROL PLAN

DRAWING NUMBER

C4.0

H:\Projects\264 MSP Architects\25-003C - Lynwood USD Playground Improvements (3 Sites)\01 - CAD\ROGERS\Civil\C4.0-Erosion Control Plan.dwg

PRINTED DATE: 8/14/2025



OVERALL SITE PLAN | SCALE: 1" = 30'- 0" | FILE: | 5

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:	Lynwood Unified School District
Project Name/School:	Will Roger Child Development Center
Project Address:	11220 Duncan Ave., Lynwood, CA. 90262

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 ☐

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

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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: Quetchen Jansen, Ed.D. Title: Asst. Supt. of Business & Fiscal

Signature: Date: 9/2/25

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

LFA Reviewer's Signature: Date:

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT | DEPARTMENT OF GENERAL SERVICES | Page 2 of 4 STATE OF CALIFORNIA

DSA 810 | 7 | NOT USED | 6

SEISMIC SITE PARAMETERS:

PARAMETERS	VALUE
Seismic Site Class	D
Mapped Spectral Acceleration at 0.2-sec Period, S_S	1.694
Mapped Spectral Acceleration at 1.0-sec Period, S_1	0.605
Design Spectral Acceleration at 0.2 Period, S_{DS}	1.129
Risk Category	II
Importance Factor, Ie	1.0

SITE WIND PARAMETERS:

BASIC WIND SPEED Vult = 95 MPH
EXPOSURE **C**

SITE SOILS VALUES PER SOILS REPORT:

PARAMETERS	VALUE
Soils Site Class	D
Allowable Static Bearing Pressure, psf.	2000
Allowable Lateral Bearing Pressure, pcf.	250
Allowable Unit Passive Pressure, psf/ft.	500
Allowable Max. Passive Pressure, psf	5000
Allowable Increase by 1/3 for Short Term Loads	+33%
Coefficient of Friction	0.30
Allowable Side Friction Capacity for Axial Load, psf	300
Allowable Side Friction Capacity for Uplift Load, psf	150

SITE SPECIFIC PARAMETERS | 4

1	EXISTING BUILDING TO REMAIN.
2	EXISTING AUTHORIZED PARKING SIGN.
3	EXISTING ACCESSIBLE PARKING SIGN.
4	EXISTING VAN ACCESSIBLE PARKING SIGN.
5	NEW `KNOX BOX (FENCE MOUNTED) SEE DETAIL 4/A801. COORDINATE WITH LOCAL FIRE DEPARTMENT TO PLACE KEYS INSIDE KNOX BOX.
6	EXISTING EXTERIOR FIRE ALARM AUDIBLE SPEAKER PER A# 03-119795
7	EXISTING 5 FEET WIDE MAN GATE
8	EXISTING FENCE TO REMAIN.
9	PROVIDE NEW 12" WIDE x 12" DEEP CONCRETE MOW STRIP.
10	NEW 6 FEET HIGH DECORATIVE/IRON METAL FENCE AND GATE WITH NEW FOOTINGS. FENCE TO BE GALVANIZED AND PAINTED TO MATCH EXISTING IRON FENCE NEXT TO RELO. PORTABLE 9 THRU 14. SEE DETAILS: 1 & 3 / A802.
11	NEW CHAINLINK FENCE & GATE.
12	NEW 4'-0" WIDE x 6'-0" HIGH ACCESS. GATE. SEE DETAIL: 9 / A802.

KEYNOTES | 3

- EXISTING BUILDING
- EXISTING SOLAR PANELS
- EXISTING FIRE LANE PER A# 03-119795 FOR REFERENCE.
- NEW METAL FENCING
- EXISTING C. L. FENCING TO BE REMOVED
- EXISTING C. L. FENCING
- PATH OF TRAVEL (P.O.T.)
- EXISTING PROPERTY LINE
- FH — FIRE HYDRANT, EXISTING PUBLIC
- S — **(E) EXTERIOR FIRE ALARM SPEAKER PER** A# 03-119795

LEGEND | 2

DSA PR 15-01: REQUIRED INFORMATION FOR PATH OF TRAVEL UPGRADES ON CONSTRUCTION DOCUMENTS
ADD RESPONSIBLE CHARGE STATEMENT TO ACCESS PLAN:

"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."

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."

PATH OF TRAVEL NOTES | 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE
AT
WILL ROGERS CHILD DEVELOPMENT CENTER
11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
McDonald, Sountar & Paz, Inc.
3575 LONG BEACH BLVD.
LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

LICENSED ARCHITECT EDGAR J. PAZ 11-30-25 LIC. NO C-22807 STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:			25-1419
CHECKED BY:	LS	DRAWN BY:	SU
DATE:			08-19-2025

DRAWING DESCRIPTION

OVERALL SITE PLAN

DRAWING NUMBER

A100

G:\ACAD\2025\25-1419 LUSD Will Rogers ECC Playground\DRAWINGS\Sheets\A100 Will Rogers ES SP.dwg

PRINTED DATE: 9/11/2025

DEMO. KEYNOTES

1	EXISTING BUILDING TO REMAIN. PROTECT DURING CONSTRUCTION.
2	EXISTING FENCE AND FOOTING TO REMAIN. PROTECT DURING CONSTRUCTION.
3	DEMO AND REMOVE EXISTING PLAY EQUIPMENT & POUR-IN-PLACED PLAYGROUND SURFACE. REMOVE ALL SHARP METALS TO BELOW BASE LEVEL REQUIRED FOR NEW WORK.
4	EXISTING PLAY EQUIPMENT & POUR-IN-PLACED PLAYGROUND SURFACE TO REMAIN.
5	EXISTING CONCRETE FOOTING TO REMAIN.
6	EXISTING CONCRETE WALKWAY TO REMAIN.
7	EXISTING PLAY EQUIPMENT (POLE) TO REMAIN.
8	DEMO EXISTING LANDSCAPE AND CONCRETE SLAB. REMOVE EXISTING IRRIGATION HEAD AND CAP BELOW SLAB. OVER EXCAVATE AND RECOMPACT SOILS PER SOILS REPORT AND CIVIL GRADING PLAN.
9	DEMO. EXISTING CONCRETE WALKWAY AND REGRADE PER CIVIL GRADING PLAN. KEEP EXISTING FOOTING AT 16" FROM BUILDING.
10	REMOVE EXISTING DRINKING FOUNTAIN AND PREPARE FOR NEW DRINKING FOUNTAINS, AND CAP ALL UTILITIES THAT WILL NOT BE USED.
11	DEMO. EXISTING AC PAVING.
12	REMOVE EXISTING 5'-0" CHAINLINK GATE, FENCE & FOOTING. BACKFILL AT EXISTING FOOTINGS AND COMPACTED TO 90%. SEE SOILS REPORT.
13	EXISTING DRINKING FOUNTAIN TO REMAIN.
14	DEMO & REMOVE EXISTING CONCRETE CURB AROUND EXISTING PLAYGROUND.
15	REMOVE EXISTING GATE.
16	PROTECT ALL UNDERGROUND UTILITIES DURING DEMOLITION AND CONSTRUCTION WORK.

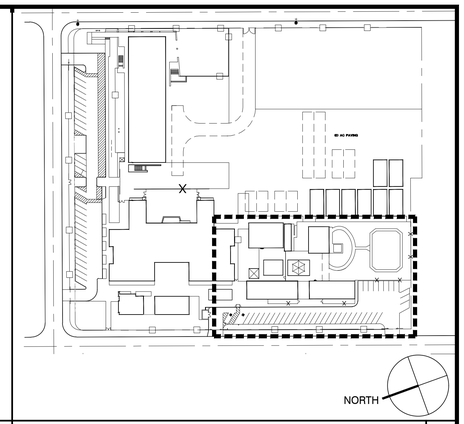
16

LEGEND

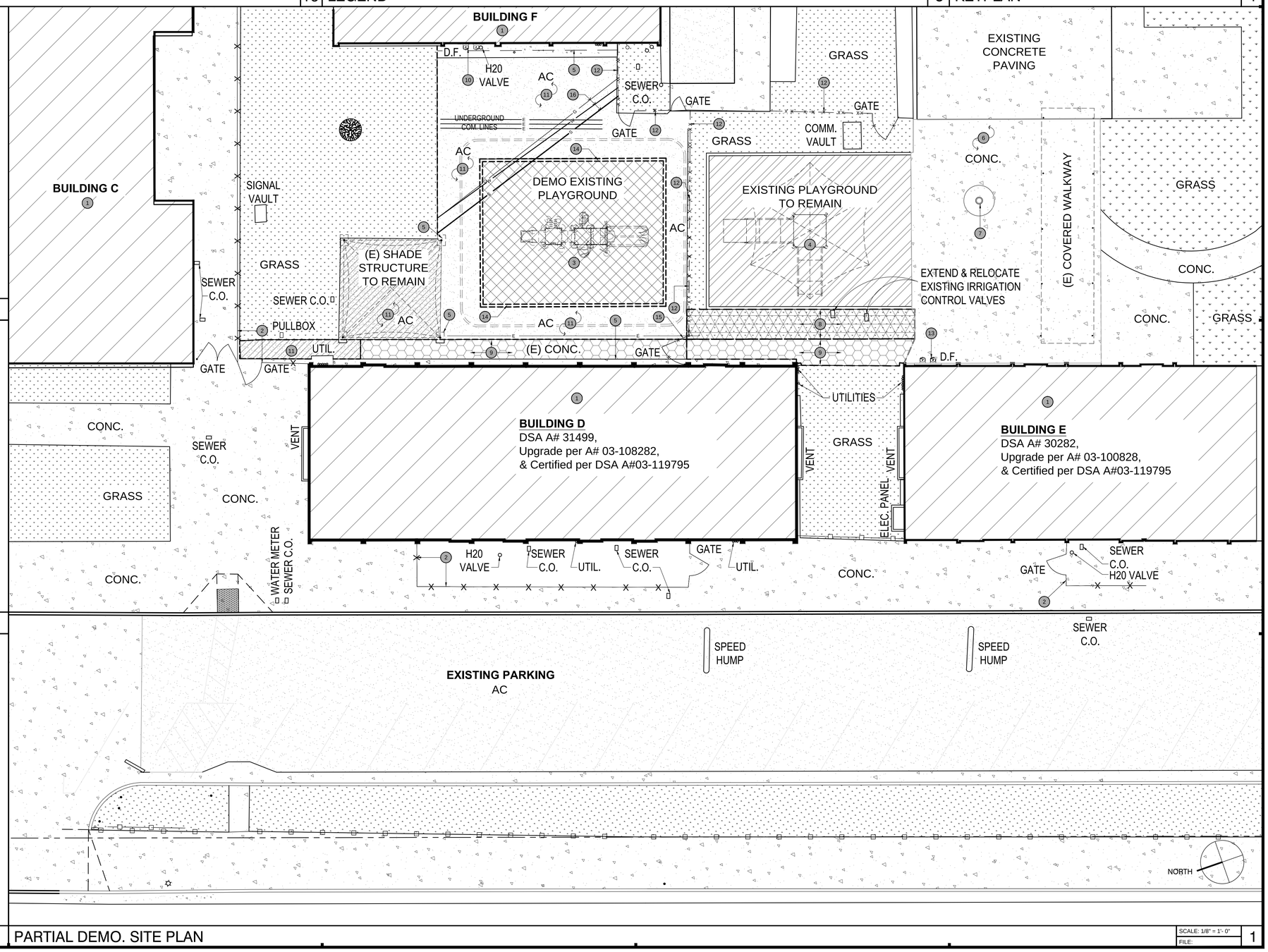
- EXISTING BUILDING
- TURF/GRASS AREA
- EXISTING CONCRETE WALKWAY & SLAB
- EXISTING LANDSCAPE AREA TO BE REMOVED
- EXISTING CONCRETE SLAB TO BE REMOVED
- EXISTING AC PAVING TO BE REMOVED
- EXISTING P.I.P. TO REMAIN
- EXISTING P.I.P. TO BE REMOVED
- EXISTING AC PAVING TO REMAIN
- EXISTING C. L. FENCE TO REMAIN
- NEW FENCE & GATE
- EXISTING C. L. FENCE, GATE TO BE REMOVED
- EXISTIN METAL FENCE TO REMAIN
- PROPERTY LINE

8

KEYPLAN



4



PARTIAL DEMO. SITE PLAN

SCALE: 1/8" = 1'- 0"
FILE:

1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE

AT

WILL ROGERS CHILD DEVELOPMENT CENTER

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LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

LICENSED ARCHITECT
OSCAR J. PAZ
11-30-25
LIC. NO C-22807
STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:	25-1419
CHECKED BY: LS	DRAWN BY: SU
DATE:	08-19-2025

DRAWING DESCRIPTION

ENLARGED DEMO. SITE PLAN

DRAWING NUMBER

A101

PRINTED DATE: 9/11/2025

G:\ACAD\2025\25-1419 LUSD Will Rogers ECC Playground\DRAWINGS\Sheets\A101 Will Rogers Enl Demo SP.dwg

1	NEW POURED-IN-PLACE (PIP) PLAYGROUND SURFACES TO FLASH WITH EXISTING CONCRETE PER SPECIFICATIONS, AND SEE DETAIL 1/7-. CONTRACTOR TO PROVIDE CERTIFICATION FOR NEW PIP SURFACE TO MEET ALL FALL SAFETY PER CODE REQUIREMENTS. SLOPE TO BE LESS THAN 2%. PROVIDE GROUND SURFACES ON ACCESSIBLE ROUTES, CLEAR FLOOR OR GROUND SPACES, AND TURNING SPACES SHALL BE IN COMPLIANCE WITH CBC SECTION 11B-1008.2.6: FOR ACCESSIBILITY; GROUND SURFACES SHALL COMPLY WITH ASTM F 1951 GROUND SURFACES WITHIN USE ZONES SHALL COMPLY WITH ASTM F 1292. NEW PLAYGROUND SURFACE TO BE ACCESSIBLE WITH 5'-0" MINIMUM TURNING RADIUS. SUBMIT P.I.P. MATERIAL COLOR FINISH FOR APPROVAL.
2	INSTALL NEW PLAY EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTION AND SPECIFICATIONS FOR IN-GROUND INSTALLATION. SEE DETAILS 1 & 2/A9803. PLAY EQUIPMENT IS PROVIDED BY DISTRICT (OFCI). CONTRACTOR TO COORDINATE DELIVERY, UNLOAD & STORAGE.
3	TRANSFER PLATFORMS FOR TRANSFER FROM WHEELCHAIRS OR OTHER MOBILITY AIDS SHALL COMPLY WITH CBC SECTION 11B-1008.3.1. TRANSFER STEPS FOR MOVEMENT FROM TRANSFER PLATFORMS TO LEVELS WITH ELEVATED PLAY COMPONENTS SHALL COMPLY WITH CBC SECTION 11B-1008.3.2. FOR PLAYGROUND EQUIPMENT.
4	NEW 3-LEVEL DRINKING FOUNTAIN. SEE DETAIL 1/A800.
5	NEW CONCRETE SLAB TO FLUSH WITH EXISTING CONCRETE SLAB, CURB, AND SWALVE. SEE CIVIL DRAWING FOR SLOPE AND DRAINAGE REQUIRED.
6	NEW CONCRETE SLAB & WALK WAY, SLOPE TO LESS THAN 5% IN DIRECTION OF TRAVEL AND LESS THAN 2% CROSS SLOPE. PROVED CONTROL & EXPANSION JOINTS RER DETAILS E, F & J 18/-. SEE CIVIL FOR GRADING PLAN.
7	NEW CONCRETE SLAB LANDING, SLOPE TO LESS THAN 2% IN ANY DIRECTION. SEE CIVIL GRADING PLAN.
8	NEW 4'-0" HIGH CHAIN LINK FENCE AND METAL GATE. SEE DETAIL 1/A801.
9	NEW CONCRETE CURB FOR NEW PLAY EQUIPMENT & SHADE STRUCTURE. SEE DETAIL 17/-.
10	NEW SHADE STRUCTURE PER APP: 02-120865 PC. CONTRACTOR TO POT HOLES TO DEPTH OF 4 FEET FOR EXISTING UTILITIES PRIOR TO DRILLING FOR ALL FOOTINGS.

CONSTRUCTION KEYNOTES 16

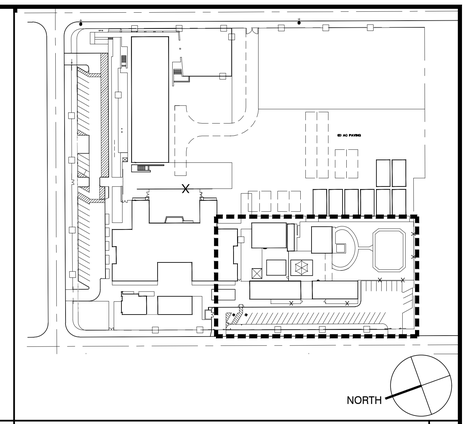
NOTE:

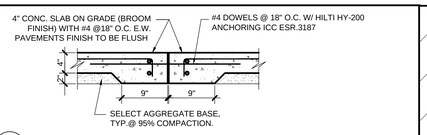
- PLAY STRUCTURE IS EXEMPTED FROM STRUCTURAL SAFETY AND FIRE & LIFE SAFETY REVIEWS **PER IR A-22 APPENDIX A, ITEM 10** AND IS NOT PART OF THE DSA APPROVAL
- SHADE STRUCTURES SHALL BE PROHIBITED FOR COOKING AND NOT TO BE USED FOR STORAGE.

LEGEND 8

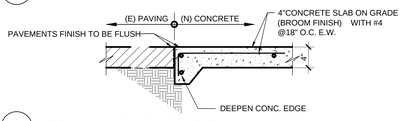
- EXISTING BUILDING
- TURF/GRASS AREA
- EXISTING CONCRETE WALKWAY & SLAB
- EXISTING P.I.P. TO REMAIN
- NEW P.I.P. & PLAY EQUIPMENT
- EXISTING AC PAVING TO REMAIN
- NEW CONCRETE WALKWAY/SLAB
- EXISTING C. L. FENCE TO REMAIN
- NEW FENCE & GATE
- EXISTING C. L. FENCE, GATE TO BE REMOVED
- EXISTIN METAL FENCE TO REMAIN
- PROPERTY LINE

KEYPLAN 4

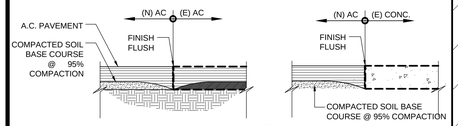




A CONCRETE SLAB TO PAVEMENT

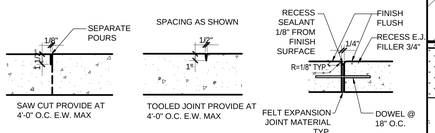


B (E) CONCRETE TO (N) CONCRETE



C (N) AC TO (E) AC

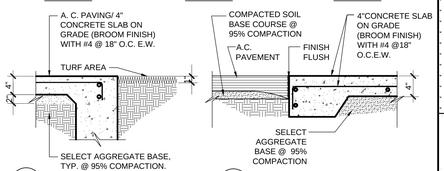
D NEW AC & (E) CONC.



E CONTROL JOINT

F CONTROL JOINT

J EXPANSION JOINT

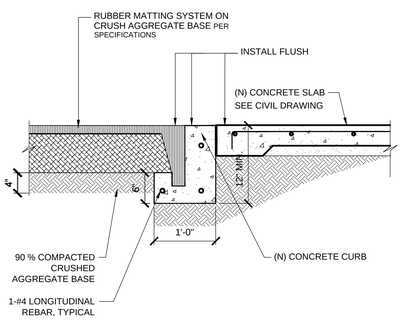


G (N) CONC. EDGE

H (N) CONC. JOINT

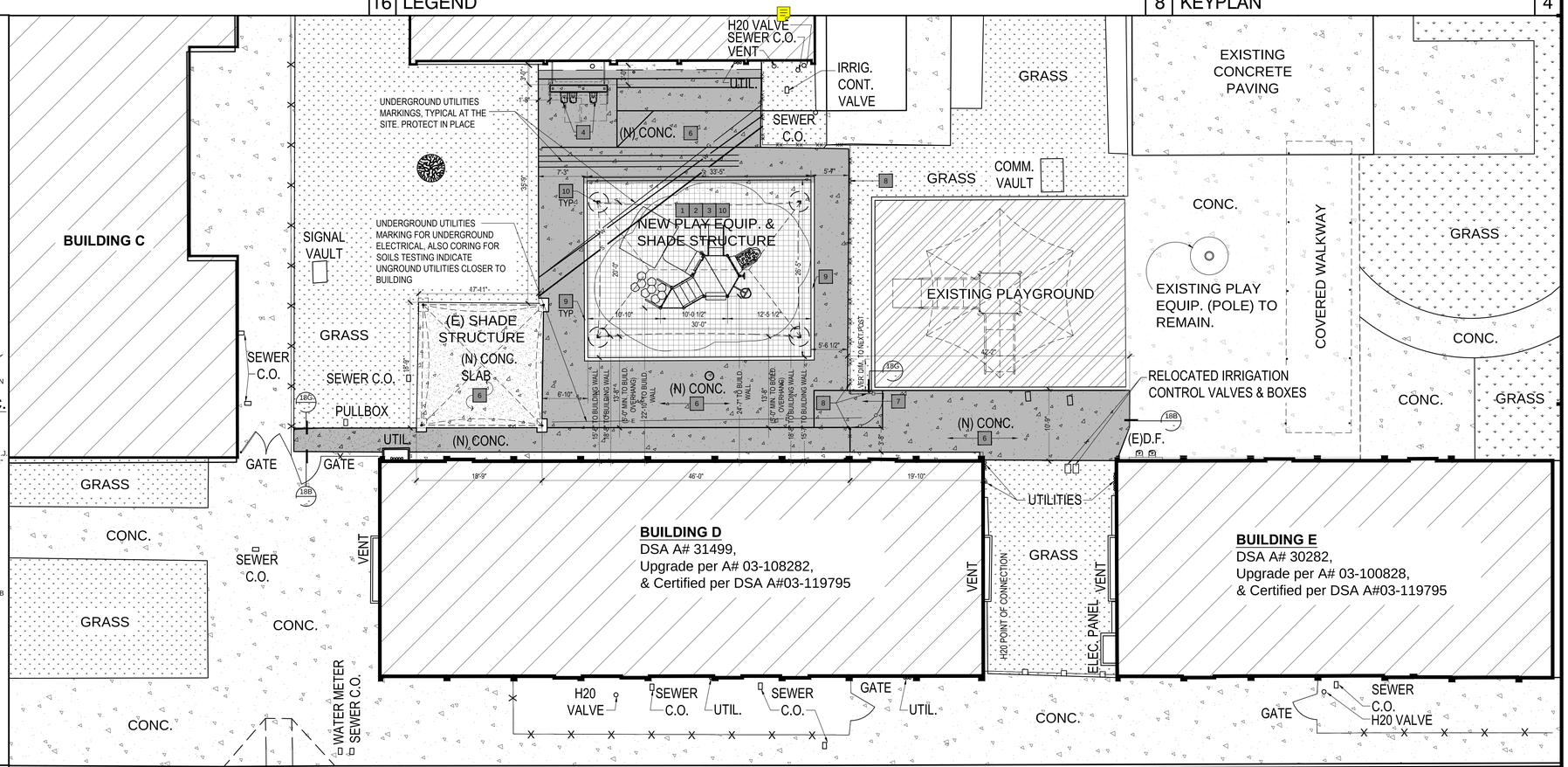
CONCRETE EDGE DETAILS

SCALE: 1" = 1'-0"
FILE:
18



CURB DETAIL

SCALE: N.T.S.
FILE:
17



ENLARGED CONSTRUCTION SITE PLAN

SCALE: 1/8" = 1'- 0"
FILE:
1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE

AT

WILL ROGERS CHILD DEVELOPMENT CENTER

11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
McDonald, Sventar & Parr, Inc.
3575 LONG BEACH BLVD.
LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

LICENSED ARCHITECT OSCAR J. MCDONALD
11-30-25
LIC. NO C-22387
STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:	25-1419
CHECKED BY: LS	DRAWN BY: SU
DATE:	08-19-2025

DRAWING DESCRIPTION

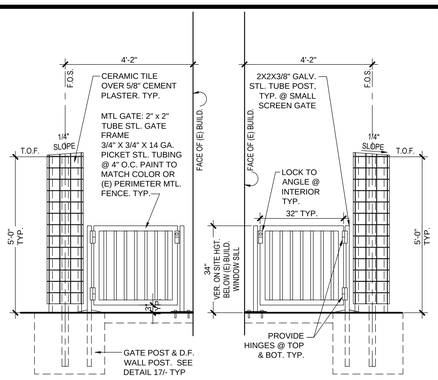
ENLARGED CONSTRUCTION SITE PLAN

DRAWING NUMBER

A102

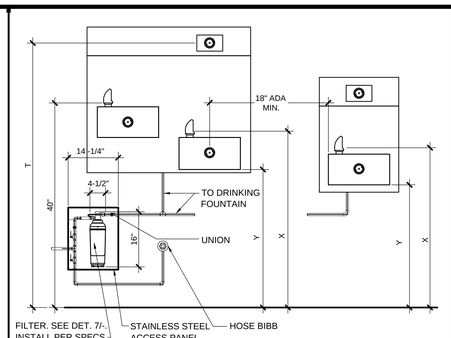
G:\ACAD\2025\25-1419 LUSD Will Rogers ECC Playground\DRAWINGS\Sheets\A102 Will Rogers Enl Const SP.dwg

PRINTED DATE: 9/11/2025



GATE ELEV. @ D.F.

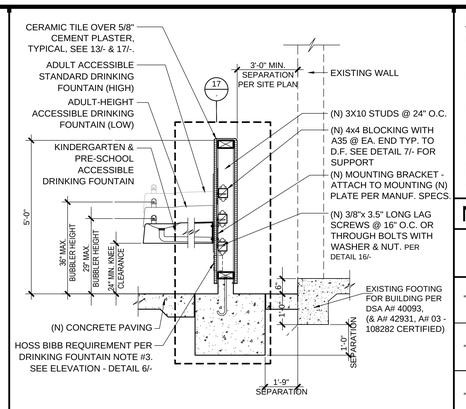
SCALE: 1/2" = 1'- 0"
FILE:
16



NOTE:
IF DRINKING FOUNTAINS ARE LOCATED ON THE OUTSIDE OF THE BUILDING, A HOSE BIBB SHALL BE INSTALLED UNDERNEATH THE STANDING PERSON DRINKING FOUNTAIN. HOSE BIBB SHALL NOT BE INSTALLED WITHIN THE REQUIRED KNEE/TOE CLEARANCE OF THE ACCESSIBLE DRINKING FOUNTAIN.

D.F. WATER FILTER LOCATION

SCALE: 1" = 1'- 0"
FILE:
12



SECTION - D. F. WALL

SCALE: 1/2"=1'-0"
FILE:
8

DRINKING FOUNTAIN NOTES:

1. NO SOLDERED JOINTS AFTER FILTER.
2. COMPLY WITH THE CURRENT VERSION OF CALIFORNIA ACCESS COMPLIANCE ADVISORY REFERENCE MANUAL REQUIREMENT FOR DRINKING FOUNTAIN PEDESTRIAN PROTECTION.
3. IF DRINKING FOUNTAINS ARE LOCATED ON THE OUTSIDE OF THE BUILDING, A HOSE BIBB RECESSED IN A BOX SHALL BE INSTALLED UNDERNEATH.
4. T&I EXEMPTION NOTE:
FOR ITEMS ON THIS SHEET, CONCRETE SLAB ON GRADE, SHALLOW FOOTINGS, CONCRETE BATCH PLANT INSPECTION, AND REINFORCING REBAR TESTING ARE EXEMPT FROM DSA APPROVAL AND ARE EXEMPT FROM TESTING AND SPECIAL INSPECTION REQUIRMENTS PER ITEMS CHECKED ON DSA 103. THE PROJECT INSPECTOR (IOR) IS STILL REQUIRED TO VERIFY ALL CONSTRUCTION COMPLIES WITH THE APPROVED CONSTRUCTION DOCUMENTS.

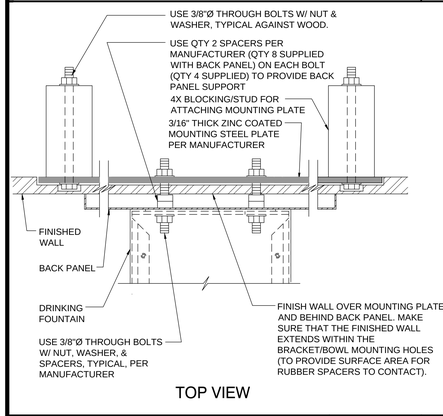
NOTES

5

	DESCRIPTION	ADULT, M, S & HIGH SCHOOL	ELEMENTARY SCHOOL	KINDERGARTEN & PRESCHOOL
"X"	DRINKING FOUNTAIN BUBBLER HEIGHT TO ℄ OF NOOZLE	36" MAXIMUM	32" MAXIMUM	30" MAXIMUM
"Y"	DRINKING FOUNTAIN KNEE CLEARANCE	27" MINIMUM	24" MINIMUM	PARALLEL APPROACH
"T"	DRINKING FOUNTAIN BOTTLE FILLER BUTTON HEIGHT	46" MAXIMUM	36" MINIMUM 43" MAXIMUM	

MOUNTING HEIGHTS

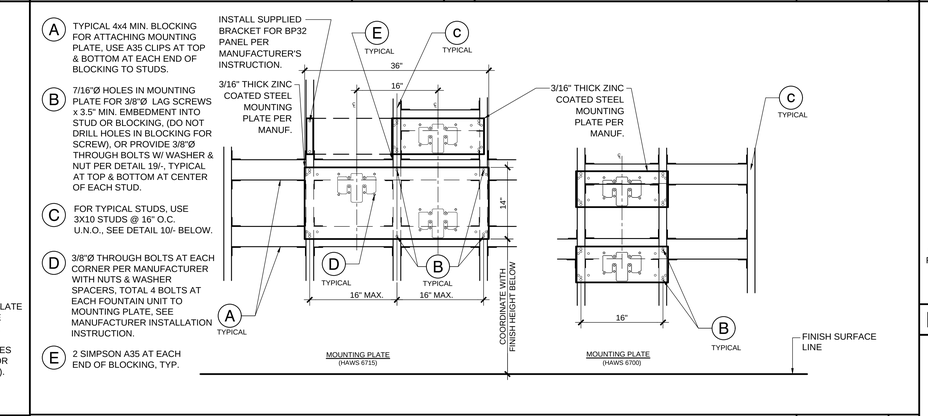
4



TOP VIEW

ANCHOR DETAIL

SCALE: NTS
FILE:
19

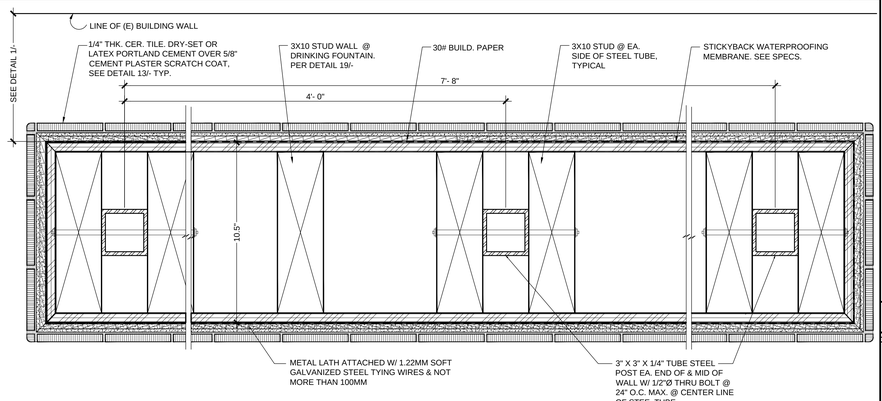


TRIPLE D.F. (WITH BOTTLE FILLER) SUPPORT

SCALE: NTS
FILE:
11

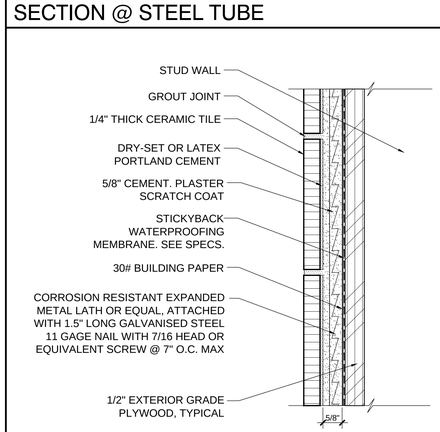
D. F. WALL & FOOTING

SCALE: 1-1/2" = 1'- 0"
FILE:
17



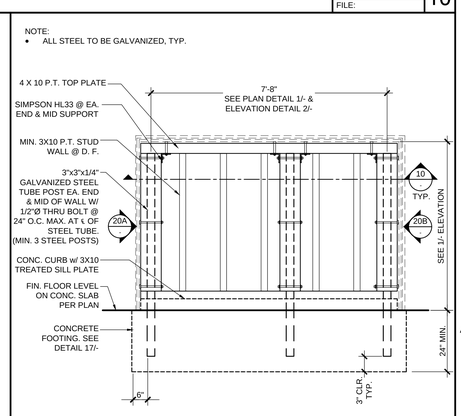
SECTION @ STEEL TUBE

SCALE: 3" 1'- 0"
FILE:
10



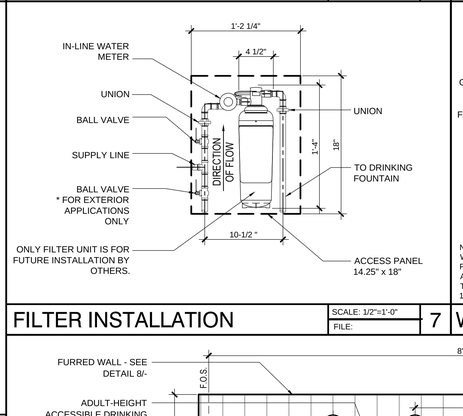
D.F. TILE WALL

SCALE: 1:2
FILE:
13



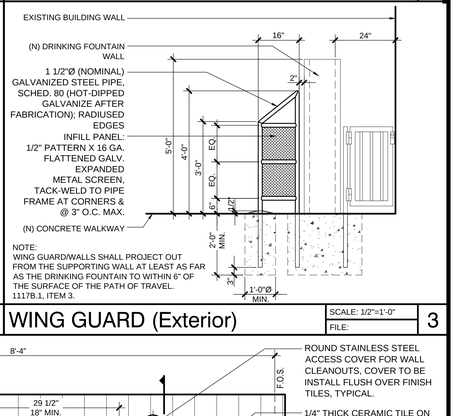
D. F. WALL SECTION

SCALE: N.T.S.
FILE:
9



FILTER INSTALLATION

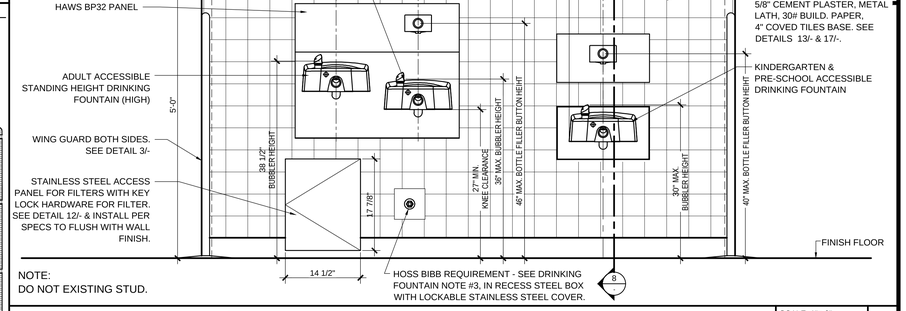
SCALE: 1/2"=1'-0"
FILE:
7



NOTE:
WING GUARD/WALLS SHALL PROJECT OUT FROM THE SUPPORTING WALL AT LEAST AS FAR AS THE DRINKING FOUNTAIN TO WITHIN 6" OF THE SURFACE OF THE PATH OF TRAVEL. 11178.1, ITEM 3.

WING GUARD (Exterior)

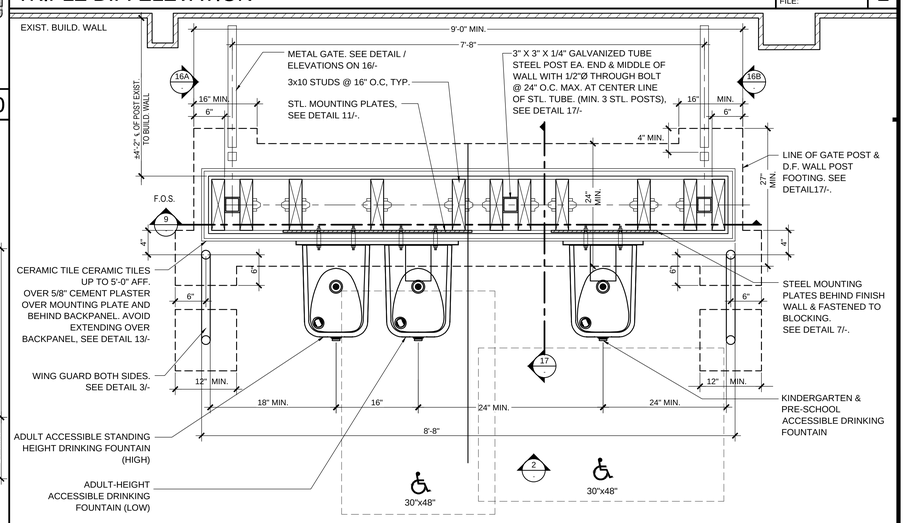
SCALE: 1/2"=1'-0"
FILE:
3



NOTE:
DO NOT EXISTING STUD.

TRIPLE D.F. ELEVATION

SCALE: 1"= 0"
FILE:
2



TRIPLE D.F. PLAN VIEW

SCALE: 1"= 1'-0"
FILE:
1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE
AT
WILL ROGERS CHILD DEVELOPMENT CENTER
11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
McDonald, Sountar & Paz, Inc.
3575 LONG BEACH BLVD.
LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

LICENSED ARCHITECT
EDGAR J. PAZ
SIGNATURE
11-30-25
EXP. DATE
LIC. NO. C-22687
STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE
△			
△			
△			

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:			25-1419
CHECKED BY:	LS	DRAWN BY:	SU
DATE:			08-19-2025

DRAWING DESCRIPTION

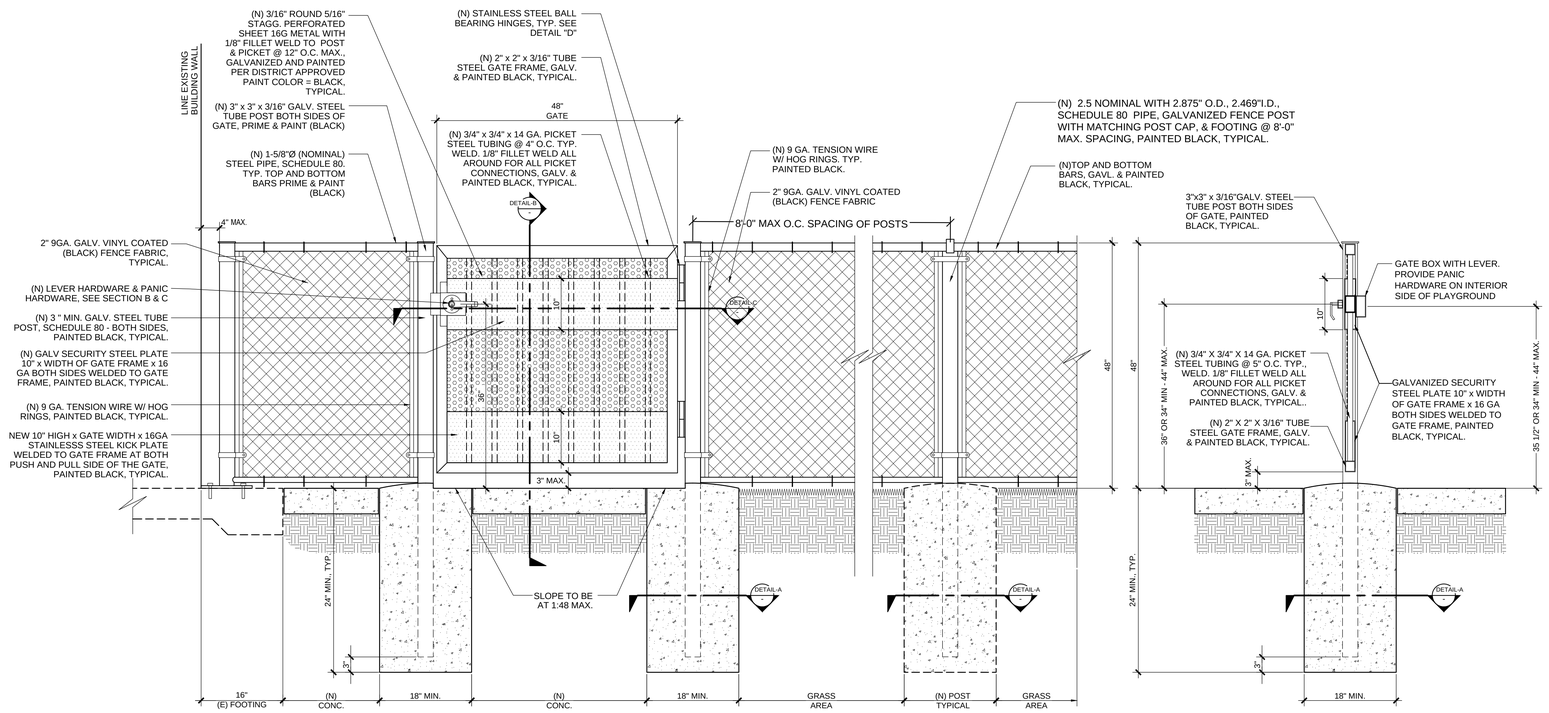
DRINKING FOUNTAIN DETAILS

DRAWING NUMBER

A800

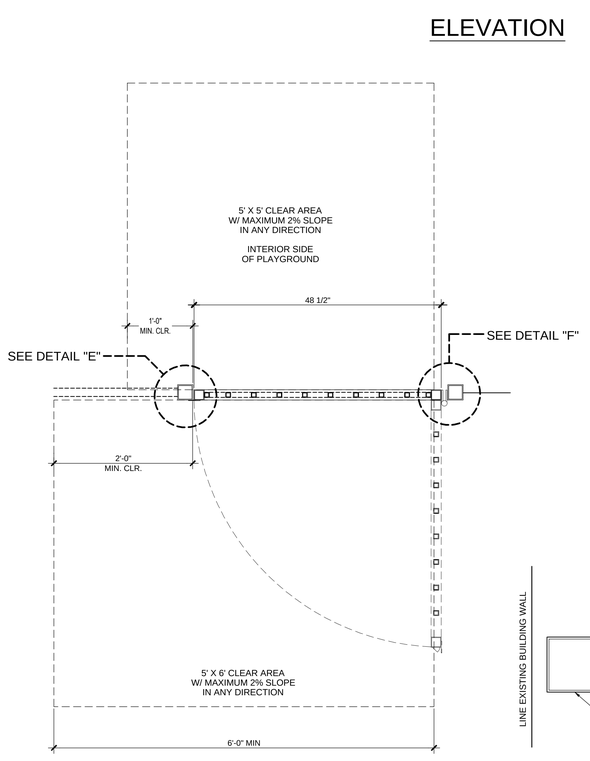
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PRINTED DATE: 11/3/2025

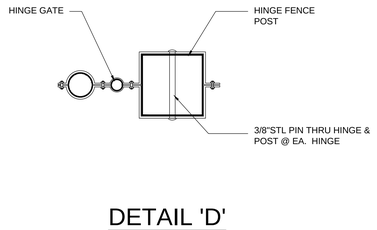


ELEVATION

GATE SECTION - "B"

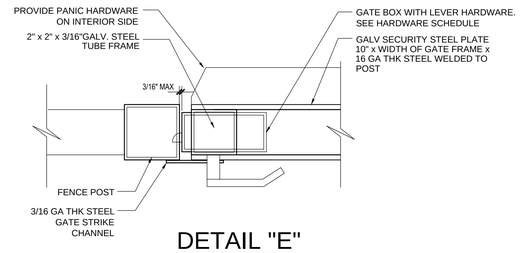


PLAN



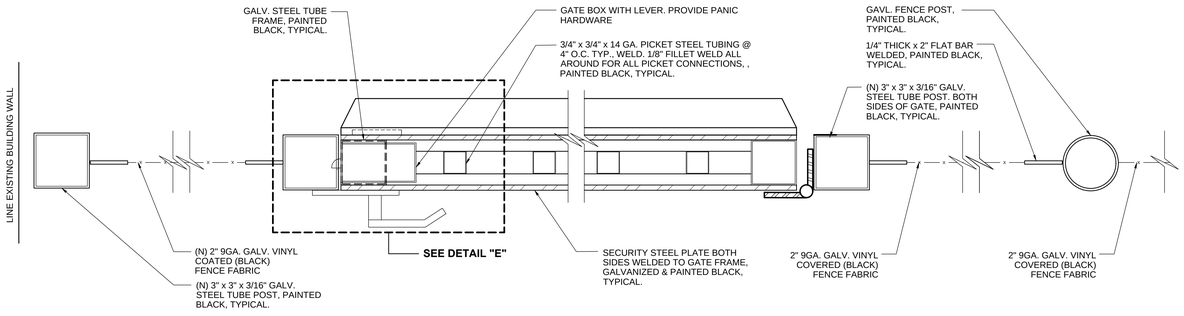
DETAIL 'D'

N.T.S.



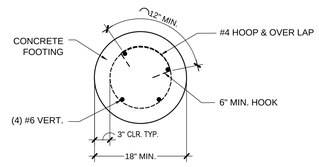
DETAIL "E"

N.T.S.



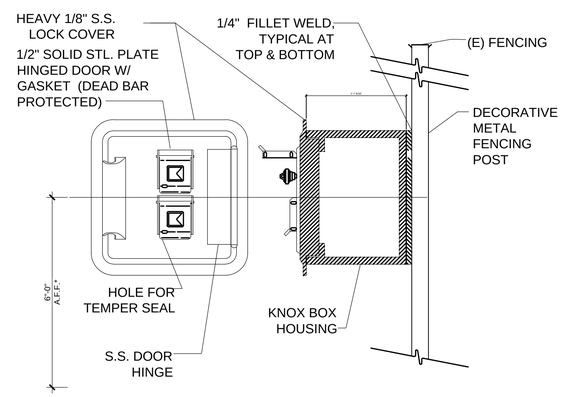
DETAIL 'C'

N.T.S.



DETAIL 'A'

N.T.S.



NOTE:
INSTALL KNOX BOX (3200) ACCESS AT GATED ENTRANCE IN ACCORDANCE WITH CBC 506. BOX SHALL HAVE ALL ACCESS KEYS. COORDINATE WITH LOCAL FIRE DEPARTMENT TO PLACE KEY INSIDE KNOX BOX.

KNOX BOX

SCALE: NTS

FILE:

4

FENCE NOTES:

1. MAXIMUM EFFORT TO OPERATE GATE SHALL NOT EXCEED 5 POUNDS. WHEN PULL OR PUSH EFFORT IS BEING APPLIED AT RIGHT ANGLES TO THE HINGED GATE.

2. OPEN-MESH FENCES LESS THAN 35FT. IN HEIGHT IS EXEMPTED FROM STRUCTURAL; SAFETY AND FIRE & LIFE SAFETY REVIEWS PER IR A-22 APPENDIXA, ITEM 12 AND IS NOT PART OF THIS DSA APPROVAL.

3. CONTRACTOR TO PROVIDE SHOP DRAWINGS SUBMITTAL FOR REVIEW AND APPROVAL.

4. ALL FENCE PARTS TO BE GALVANIZED AND PAINTED BLACK UNLESS VINYL COATED (BLACK) FOR FENCE FABRIC, TYPICAL.

5. T&I EXEMPTION NOTE:
FOR ITEMS ON THIS SHEET, FENCE FABRICATION AND FOOTINGS ARE EXEMPT FROM DSA APPROVAL PER NOTE 2 ABOVE, AND NOTE S2 ON SHEET T100, AND ARE EXEMPT FROM TESTING AND SPECIAL INSPECTION REQUIRMENTS PER ITEMS CHECKED ON DSA 103. THE PROJECT INSPECTOR (IOR) IS STILL REQUIRED TO VERIFY ALL CONSTRUCTION COMPLIES WITH THE APPROVED CONSTRUCTION DOCUMENTS.

ACCESSIBLE METAL GATE AND 4'-0" HIGH C.L. FENCING

SCALE: 1"=1'-0"

FILE:

1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE

AT

WILL ROGERS CHILD DEVELOPMENT CENTER
11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
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3575 LONG BEACH BLVD.
LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

LICENSED ARCHITECT
OSCAR J. PAZ
SIGNATURE
11-30-25
EXP. DATE
LIC. NO. C-32887
STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:	25-1419
CHECKED BY: LS	DRAWN BY: SU
DATE:	08-19-2025

DRAWING DESCRIPTION

GATE DETAILS

DRAWING NUMBER

A801

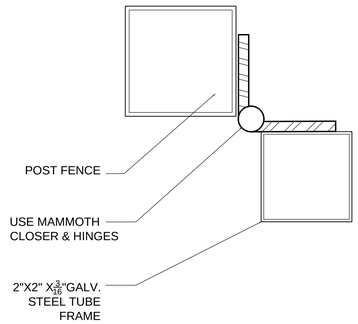
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PRINTED DATE: 9/15/2025

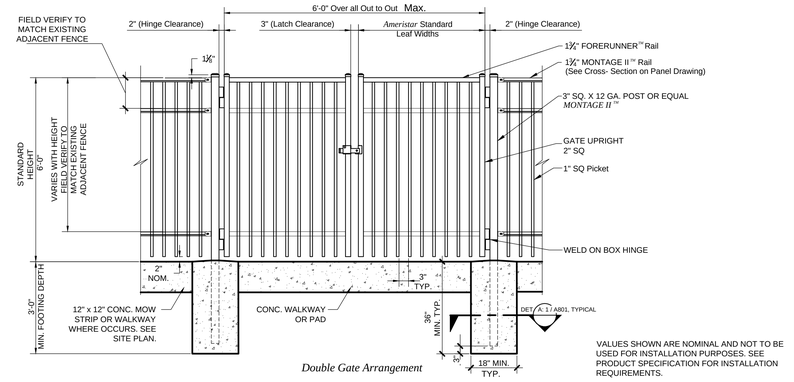
FENCE NOTES:

1. MAXIMUM EFFORT TO OPERATE GATE SHALL NOT EXCEED 5 POUNDS. WHEN PULL OR PUSH EFFORT IS BEING APPLIED AT RIGHT ANGLES TO THE HINGED GATE.
2. OPEN - MESH FENCES LESS THAN 35 FT. IN HEIGHT IS EXEMPTED FROM STRUCTURAL; SAFETY AND FIRE & LIFE SAFETY REVIEWS PER IR A-22 APPENDIX A, ITEM 12 AND IS NOT PART OF THIS DSA APPROVAL.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS SUBMITTAL FOR REVIEW AND APPROVAL
4. ALL PREFABRICATED FENCE PARTS TO BE GALVANIZED AND POWDER COATED BLACK, TYPICAL, UNLESS VINYL COATED (BLACK) FOR FENCE FABRIC.
5. T&I EXEMPTION NOTE:
   FOR ITEM ON THIS SHEET, FENCE FABRICATION AND FOOTINGS ARE EXEMPT FROM DSA APPROVAL PER NOTE 2 ABOVE, AND NOTE S2 ON SHEET T100, AND ARE EXEMPT FROM TESTING AND SPECIAL INSPECTION REQUIRMENTS PER ITEMS CHECKED ON DSA 103. THE PROJECT INSPECTOR (IOR) IS STILL REQUIRED TO VERIFY ALL CONSTRUCTION COMPLIES WITH THE APPROVED CONSTRUCTION DOCUMENTS.

GATE & FENCE NOTES | 4



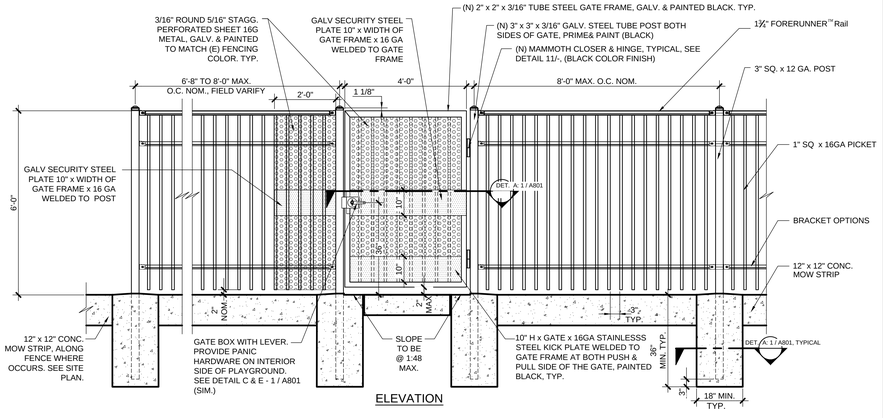
HINGE & CLOSER | 11



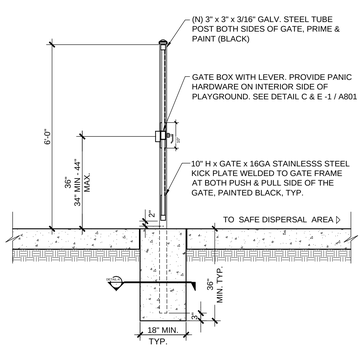
Double Gate Arrangement

VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATION FOR INSTALLATION REQUIREMENTS.

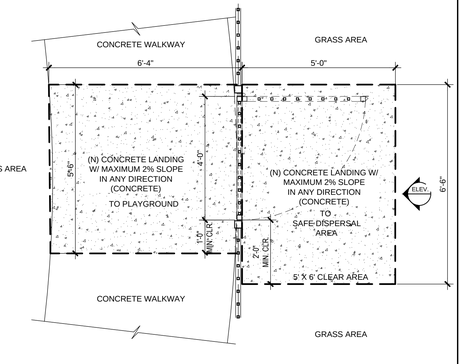
METAL GATES & FENCE | SCALE: NTS | FILE: | 3



ELEVATION

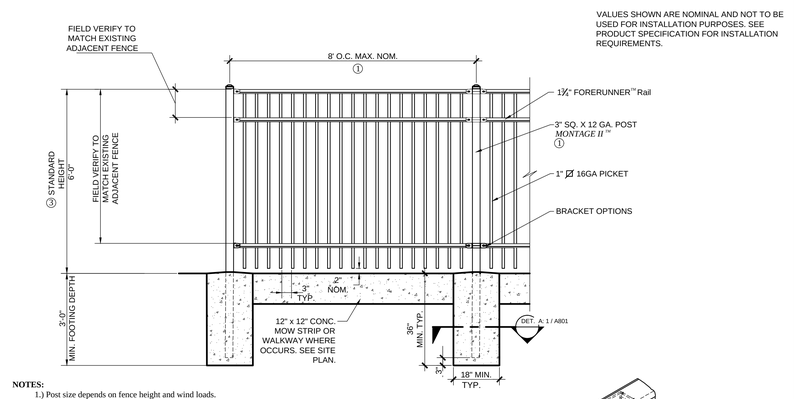


SECTION



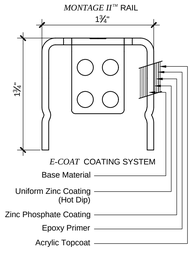
PLAN

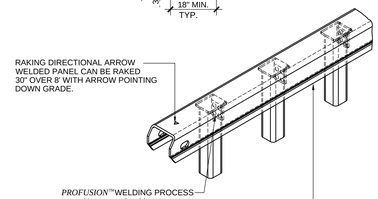
METAL FENCE & ACCESSIBLE GATE | SCALE: 1/2" = 1'-0" | FILE: | 9

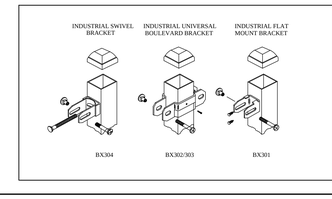


VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATION FOR INSTALLATION REQUIREMENTS.

NOTES:
1.) Post size depends on fence height and wind loads. See *MONTAGE INDUSTRIAL™* specifications for post sizing chart and setting dimensions.
2.) Third & Forth rail optional.
3.) Available in Flush Bottom.







METAL FENCE | SCALE: NTS | FILE: | 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE
AT
WILL ROGERS CHILD DEVELOPMENT CENTER
11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
McDonald, Sovatar & Paz, Inc.
3575 LONG BEACH BLVD.
LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

LICENSED ARCHITECT EDGAR J. PAZ SIGNATURE 11-30-25 EXP. DATE LIC. NO. C-27857 STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE
1			
2			
3			

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:			25-1419
CHECKED BY:	LS	DRAWN BY:	SU
DATE:			08-19-2025

DRAWING DESCRIPTION

METAL FENCE & GATE

DRAWING NUMBER

A802

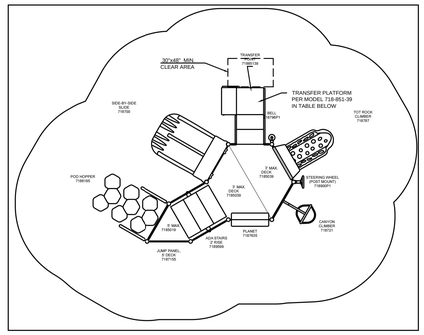
G:\ACAD\2025\25-1419 LUSD Will Rogers ECC Playground\DRAWINGS\Sheets\A802 Will Rogers Fence Details.dwg

PRINTED DATE 8/19/2025

Will Rogers ES
Lynwood, CA

FOR KIDS AGES **2-12** YEARS

AGE GROUP: 2-12
ELEVATED PLAY ACTIVITIES - TOTAL: 5
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER: 5 REQ'D 3
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP: 0 REQ'D 0
GROUND LEVEL ACTIVITY TYPE: 3 REQ'D 2
GROUND LEVEL QUANTITY: 3 REQ'D 2



IPEMA CERTIFIED ASTM F1487
To verify product certification, visit www.ipema.org

Miracle

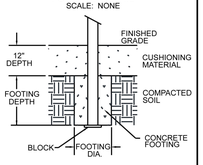
MIRACLE PLAYGROUND SALES, INC. 1101 California Ave Corona,CA PHONE NO: 951-254-2409 FAX NO: (877) 215-3869	R0036_45573415926	To promote safe and proper equipment use by children. Miracle recommends the installation of either a Miracle safety sign or other appropriate safety signage near each playsystem's main entry point(s) to inform parents and supervisors of the age appropriateness of the playsystem and general rules for safe play.	THE PLAY COMPONENTS IDENTIFIED IN THIS PLAN ARE IPEMA CERTIFIED. THE USE AND LAYOUT OF THESE COMPONENTS CONFORM TO THE REQUIREMENTS OF ASTM F1487.
GROUND SPACE: 20'-6" x 13'-0"			AN ENERGY ABSORBING PROTECTIVE SURFACE IS REQUIRED UNDER & AROUND ALL PLAY SYSTEMS
PROTECTIVE AREA: 32'-6" x 25'-6"			
DRAWN BY: Bryce Lawrence DATE: 5/31/2024	✓ COMPLIES TO ASTM/CPSC ✓ COMPLIES TO ADA		

Will Rogers ES
Lynwood, CA

POST LOCATION:

FOOTING	MODEL	POST LENGTH
A.	718-575	190" POST.
B.	718-574	166" POST.
C.	718-576	198" POST.
D.	718-551	100" POST.
E.	718-552	130" POST.
F.	718-553	148" POST.
G.	718-572	138" POST.
H.	718-573	162" POST.
J.	718-574	180" POST.
K.	718-583	151" ARCH.
L.	718-585	175" ARCH.
M.	718-586	193" ARCH.
N.	718-555	70" POST.

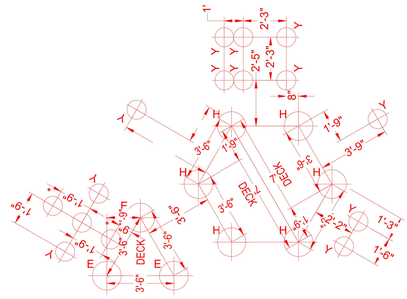
DECK & COMPONENT FOOTING DETAIL
SCALE: NONE



FOOTING SCHEDULE:

A-N: 18" DIA. X 18" DEEP.
X: 18" DIA. X 18" DEEP.
Y: 12" DIA. X 18" DEEP.
Z: 20" DIA. X 42" DEEP.
* LOCATIONS DETERMINED ON SITE.

IMPORTANT NOTE:
FOOTING LOCATION DIMENSIONS SHOWN ON THIS DRAWING ARE FOR REFERENCE ONLY. DO NOT LOCATE OR DIG FOOTINGS BASED ON THIS DRAWING. FINAL FOOTING LAYOUT DIMENSIONS WILL BE PROVIDED WITH INSTALLATION MANUAL DELIVERED WITH ACTUAL PLAY EQUIPMENT.



EQUIPMENT FOOTINGS LAYOUT

Miracle

MIRACLE PLAYGROUND SALES, INC. 1101 California Ave Corona,CA PHONE NO: 951-254-2409 FAX NO: (877) 215-3869	GROUND SPACE: 20'-6" x 13'-0" PROTECTIVE AREA: 0 x 0 DRAWN BY: Bryce Lawrence DATE: 6/24/2025	R0036_45573415926

FOOTING NOTES:

1. SOME EQUIPMENT LEGS MAY NOT REACH TO BOTTOM OF FOOTINGS.
2. ALLOW FOR BLOCK THICKNESS BY INCREASING FOOTING DEPTH WHEN APPLICABLE.

This list is provided as a design aid only.
Actual compliance to accessibility standards is dependent on design and final installation and is the sole responsibility of the Sales Representative.

Accessibility Chart

Drawing Name:	Will Rogers Playground 2.play
Project Number:	R0036_45573415926

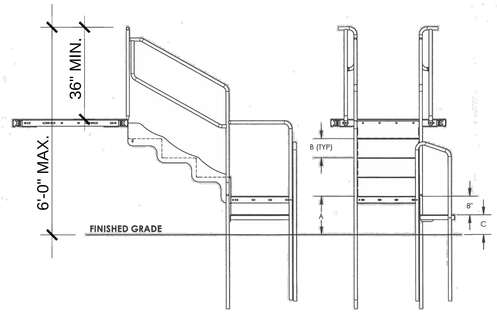
Age Group: 2-12			
Elevated Play Activities Total:	5		
Elevated Play Activities Accessible By Transfer:	5	Req'd:	3
Elevated Play Activities Accessible By Ramp:	0	Req'd:	0
Ground Level Activity Type:	3	Req'd:	2
Ground Level Quantity:	3	Req'd:	2

Description	Elevation	Access	Type of Play	Qty
5' SIDE-BY-SIDE SLIDE W/CANOPY (3' DECK)	Elevated	Transfer	SLIDE	1
CANYON CLIMBER (3' & 5' DECK)	Elevated	Transfer	CLIMBER	1
PLANET PANEL	Elevated	Transfer	MANIPULATIVE_EQUIP	1
POD HOPPER (5' DECK)	Elevated	Transfer	CLIMBER	1
TOT ROCK CLIMBER (3' DECK)	Elevated	Transfer	CLIMBER	1
BELL, POST MOUNT	Ground	Ground	SOUND_EQUIP	1
JUMP PANEL (5' DECK)	Ground	Ground	IMAGINATION_PANEL	1
STEERING WHEEL (POST MOUNT)	Ground	Ground	MANIPULATIVE_EQUIP	1

6/24/2025
Project:R0036_45573415926

SHEET 1 OF 2

MIRACLE RECREATION TRANSFER POINTS



SHEET 2 OF 2

MIRACLE RECREATION TRANSFER POINTS

MODEL#	A	B	C
714-851-39	14-1/4"	7-1/4"	6-1/4"
714-851-359	14-1/4"	7-1/4"	6-1/4"
714-851-49	16"	8"	8"
714-851-459	16"	8"	8"
714-851-59	13-1/2"	7-3/4"	5-1/2"
714-851-69	13-1/2"	7-11/16"	5-1/2"
USE → 718-851-39	14-1/4"	7-1/4"	6-1/4"
718-851-359	14-1/4"	7-1/4"	6-1/4"
718-851-49	16"	8"	8"
718-851-459	16"	8"	8"
718-851-59	13-1/2"	7-3/4"	5-1/2"
718-851-69	13-1/2"	7-11/16"	5-1/2"

MIRACLE RECREATION EQUIPMENT COMPANY

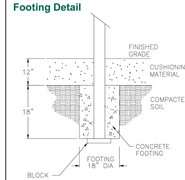
Installation Guide

Mar. 15, 1999 Rev. C

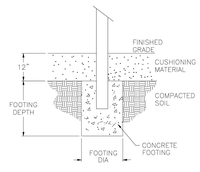
Tots' Choice™
Footing Details - Deck Posts & Components, Chain/Rope & Tire, Cargo

Deck Posts and **Components** | Chain / Rope & Tire | Cargo

Tots' Choice Deck Post Footing Detail



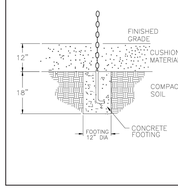
Component Footing Detail



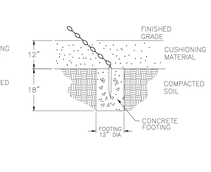
Note: Block at bottom of Footing hole is optional, and recommended for installation of deck posts. If used, compensate by digging deeper Footing(s).

Deck Posts & Components | **Chain / Rope** and **Tire** | Cargo

Chain Ladder & Climbing Rope Footing Detail



Tire Climber Footing Detail



Footing Details - Tots' Choice

718500F

MIRACLE RECREATION EQUIPMENT COMPANY

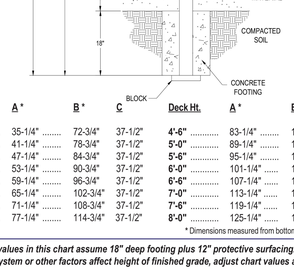
Installation Guide

October 19, 2009
Rev. B

Tots' Choice™
Pre-Installation Preparation of Clamps to Deck Posts

This procedure is an optional step for playsystem installations.

Clamp Locations on Posts by Deck Height



Deck Ht.	A *	B *	C	Deck Ht.	A *	B *	C
0'-6"	35-1/4"	72-3/4"	37-1/2"	4'-6"	83-1/4"	120-3/4"	37-1/2"
1'-0"	41-1/4"	78-3/4"	37-1/2"	5'-0"	89-1/4"	126-3/4"	37-1/2"
1'-6"	47-1/4"	84-3/4"	37-1/2"	5'-6"	95-1/4"	132-3/4"	37-1/2"
2'-0"	53-1/4"	90-3/4"	37-1/2"	6'-0"	101-1/4"	138-3/4"	37-1/2"
2'-6"	59-1/4"	96-3/4"	37-1/2"	6'-6"	107-1/4"	144-3/4"	37-1/2"
3'-0"	65-1/4"	102-3/4"	37-1/2"	7'-0"	113-1/4"	150-3/4"	37-1/2"
3'-6"	71-1/4"	108-3/4"	37-1/2"	7'-6"	119-1/4"	156-3/4"	37-1/2"
4'-0"	77-1/4"	114-3/4"	37-1/2"	8'-0"	125-1/4"	162-3/4"	37-1/2"

* Dimensions measured from bottom end of Deck Post

Note: The values in this chart assume 18" deep footing plus 12" protective surfacing. If planned drainage system or other factors affect height of finished grade, adjust chart values accordingly.

Special thanks to the crew of **Ozark Mountain Installations, Inc.** in Monett, Missouri, for recommending this procedure.

Pre-Install Prep - Clamps to Deck Posts

718-522

T&I EXEMPTION NOTE:

1. PLAYGROUND EQUIPMENT FABRICATION AND FOOTINGS ARE EXEMPT FROM DSA APPROVAL PER NOTE S1 ON SHEET T100, AND ARE EXEMPT FROM TESTING AND SPECIAL INSPECTION REQUIRMENTS PER ITEMS CHECKED ON DSA 103. THE PROJECT INSPECTOR (IOR) IS STILL REQUIRED TO VERIFY ALL CONSTRUCTION COMPLIES WITH THE APPROVED CONSTRUCTION DOCUMENTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

LYNWOOD UNIFIED SCHOOL DISTRICT
11321 BULLIS RD, LYNWOOD, CA 90262

PLAYGROUND & SHADE STRUCTURE
AT
WILL ROGERS CHILD DEVELOPMENT CENTER
11220 DUNCAN AVE, LYNWOOD, CA 90262

MSP ARCHITECTS
McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BLVD.
LONG BEACH, CALIFORNIA 90807.
Tel (562) 427-5007 Fax (562) 427-3007

LICENSED ARCHITECT
OSCAR J. MSP
11-30-25
LIC. NO. C-32687
STATE OF CALIFORNIA

REV	BY	DESCRIPTION	DATE

File #: 19-66
App. #: 03-125482

PROJECT NUMBER:	25-1419		
CHECKED BY:	LS	DRAWN BY:	SU
DATE:	08-19-2025		

DRAWING DESCRIPTION

EQUIPMENT DETAILS

DRAWING NUMBER

A803

PRINTED DATE: 9/4/2025

G:\ACAD\2025\25-1419 LUSD Will Rogers ECC Playground\DRAWINGS\Sheets\A803 Will Rogers Equip. Details.dwg

APPLICABLE CODES AND STANDARDS

2022 California Administrative Code (CAC), Part 1, Title 24 CCR*
2022 California Building Code (CBC), Part 2, Title 24 CCR
(2021 International Building Code, Vol. 1 & 2, and 2022 California amendments)
2022 California Electrical Code (CEC), Part 3, Title 24 CCR
(2020 National Electrical Code and 2022 California Amendments)
2022 California Mechanical Code (CMC), Part 4, Title 24 CCR
(2021 IAPMO Uniform Mechanical Code and 2022 California amendments)
2022 California Plumbing Code (CPC), Part 5, Title 24 CCR
(2021 IAPMO Uniform Plumbing Code and 2022 California amendments)
2022 California Energy Code (CEC), Part 6, Title 24 CCR
2022 California Fire Code (CFC), Part 9, Title 24 CCR
(2021 International Fire Code and 2022 California Amendments)
2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR
(2021 International Existing Building Code and 2022 California Amendments)
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
2019 ASME A17.1/CSA B44-13 Safety Code for Elevators and Escalators (per 2022 CBC Part 2 Ch 35)
Note: Cal/OSHA Elevator Unit enforces CCR Title 8 and uses the 2004 ASME A17.1 by adoption
NFPA 13 (2022) - Standard for the Installation of Sprinkler Systems (CA amended)
NFPA 14 (2019) - Standard for the Installation of Standpipe and Hose Systems (CA amended)
NFPA 17 (2021) - Standard for Dry Chemical Extinguishing Systems
NFPA 17A (2021) - Standard for Wet Chemical Extinguishing Systems
NFPA 20 (2019) - Standard for the Installation of Stationary Pumps for Fire Protection
NFPA 22 (2018) - Standard for Water Tanks for Private Fire Protection
NFPA 24 (2019) - Standard for the Installation of Private Fire Service Mains and Their Appurtenances (CA amended)
NFPA 72 (2022) - National Fire Alarm and Signaling Code (CA amended)
NFPA 80 (2019) - Standard for Fire Doors and Other Opening Protectives
NFPA 2001 (2018) - Standard on Clean Agent Fire Extinguishing Systems (CA amended)
UL 300 (2005, R2010) - Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment
UL 464 (2003) - Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories
UL 521 (1999) - Standard for Heat Detectors for Fire Protective Signaling Systems
UL 1971 (2002, R2010) - Standard for Signaling Devices for the Hearing Impaired
ICC 300 (2017) - Standard for Bleachers, Folding and Telescopic Seating, and Grandstands

ABBREVIATIONS & SYMBOLS

A	AREA	S	SECTION MODULOUS
DIM.	DIMENSION	SHT.	SHEET
EA.	EACH	SIM.	SIMILAR
EXT.	EXTERIOR	SQ.	SQUARE
FT.	FOOT OR FEET	Std.	STANDARD
GA	GAGE	STRUC.	STRUCTURAL
INSP.	INSPECTIONS	SYM.	SYMMETRICAL
INT.	INTERIOR	t	THICKNESS
KSI	KIPS PER SQUARE INCH	TYP.	TYPICAL
I	MOMENT OF INERTIA	U.O.N.	UNLESS OTHERWISE NOTED
LB	POUND	xS	EXTRA STRONG
MAX.	MAXIMUM	Ø	DIAMETER
MIN.	MINIMUM	#	NUMBER
NA	NOT APPLICABLE	<	LESS THAN
NO.	NUMBER	>	GREATER THAN
OZ.	OUNCES	≤	LESS THAN OR EQUAL TO
PL	PLATE	≥	GREATER THAN OR EQUAL TO
PSF	POUND PER SQUARE FOOT		

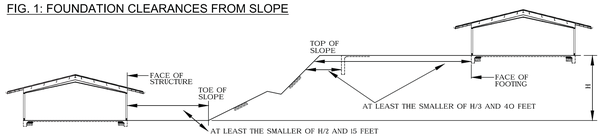
DESIGN CRITERIA

1. VERTICAL LOADS
   - 1.A. CANOPY LIVE LOAD = 5 psf (NON-REDUCIBLE)
   - 1.B. CANVAS DEAD LOAD = 0.069 psf
   - 1.C. SUPERIMPOSED LOAD = 0.5 psf (TEMPORARY LOAD)
   - 1.D. LIVE LOAD = 5 psf
   - 1.E. GROUND SNOW LOAD = 0 psf
2. LATERAL LOADS
   - 2.A. WIND (ASCE/SEI 7-16 DIRECTIONAL PROCEDURE)
     - ULTIMATE DESIGN WIND SPEED: V_{ULT} = 110 mph
     - NOMINAL DESIGN WIND SPEED: V_{ASD} = 85 mph
     - EXPOSURE CATEGORY = "C"
     - RISK CATEGORY = II
     - CLASSIFICATION: OPEN STRUCTURE (CLEAR WIND FLOW), K_d = 1.0
     - WIND VELOCITY PRESSURE: $q_h = 0.00256\ K_h\ K_{zt}\ K_d\ V^2 = 22.38$ psf
     - NOTE: WIND IS BASED ON OPEN STRUCTURE WITH CLEAR WIND FLOW
   - 2.B. EARTHQUAKE (EQUIVALENT LATERAL FORCE PROCEDURE)
     - MAPPED SPECTRAL RESPONSE ACCELERATIONS, S_S = 2.500, S_1 = 0.750
     - SITE CLASS = "D", UNLESS A SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED, THE S_M VALUE INCREASED BY 50% SHALL BE LESS THAN THE DESIGN CRITERIA STATED HEREIN.
     - RISK CATEGORY = II
     - SEISMIC DESIGN CATEGORY (SDC) = "E"
     - ORDINARY STEEL CANTILEVERED COLUMN SYSTEM
     - SPECTRAL RESPONSE COEFFICIENTS, Fa = 1.2, Fv = 1.7, S_{DS} = 2.0, S_{D1} = 0.850
     - REDUNDANCY FACTOR: FOR HIP STYLE ρ = 1.0, FOR UMBRELLA STYLE ρ = 1.3
     - IMPORTANCE FACTOR: I_e = 1.0
     - OVERSTRENGTH FACTOR: Ω_0= 1.25
     - RESPONSE MODIFICATION FACTOR, R = 1.25
     - SEISMIC RESPONSE COEFFICIENT, C_S = 1.6
     - SEISMIC BASE SHEAR: V = 1.6W (STRENGTH LEVEL)
     - MAXIMUM FUNDAMENTAL PERIOD OF STRUCTURE: 0.25 seconds
     - HORIZONTAL OR VERTICAL IRREGULARITY: NONE
3. ULTIMATE REACTION LOADS (MAX. LOADS)
   - 3.A. HIP SHADE (PER COLUMN)
     - DEAD: 0.57 k
     - LIVE: 1.84 k
     - WIND (LRFD):
       - 2.2 k (DOWN)
       - 1.1 k (UPLIFT)
       - 7.6 k (HORIZONTAL
       - 89.9 k-ft (MAX. MOMENT)
     - SEISMIC(LRFD):
       - 0.83 k (HORIZONTAL)
       - 9.9 k-ft (MAX. MOMENT)
   - 3.B. UMBRELLA SHADE (PER COLUMN)
     - DEAD: 1.04 k
     - LIVE: 2.81 k
     - WIND (LRFD):
       - 4.87 k (DOWN)
       - 3.24 k (UPLIFT)
       - 3.3 k (HORIZONTAL
       - 27.6 k-ft (MAX. MOMENT)
     - SEISMIC (LRFD):
       - 1.64 k (HORIZONTAL)
       - 19.68 k-ft (MAX. MOMENT)
4. PIER FRICTION RESISTANCE
   - PIER FRICTION COEFFICIENT: μ = 0.3
   - MAXIMUM PIER FRICTION RESISTANCE: f = 28 k
5. MINIMUM CLEARANCES
   - 5.A. AS PER IR PC-4 5.4.5: THE MINIMUM CLEARANCE REQUIRED BETWEEN DRILLED PIERS WHEN PLACING MULTIPLE CANOPIES IS: 8 x PIER DIAMETER (16', 20', OR 24' FROM PIER TO PIER).
   - 5.B. THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.

GENERAL NOTES

1. MATERIAL SPECIFICATIONS
   - 1.A. SOIL (NO SOIL REPORT PROVIDED): SOIL BEARING PRESSURE = 1500 PSF AT 24" BELOW THE LOWEST GRADE. LATERAL BEARING PRESSURE = 200 PSF/FT (CLASS 5), INCREASED PER CBC SECTION 1806A.3.4. A SITE-SPECIFIC GEOTECHNICAL REPORT IS REQUIRED AT THE TIME OF SITE APPLICATION WHEN USING LOAD-BEARING VALUES ABOVE THE STATED MAXIMUMS FOR CLASS 5 SOIL. ALLOWABLE PIER FRICTIONAL UPLIFT CAPACITY = 250 PSF. 1/3 INCREASE FOR SHORT TERM LOADS IS NOT ALLOWED.
   - 1.B. CONCRETE: f'_c = 4,500 psi MIN. @ 28 DAYS (SPECIAL INSPECTION REQUIRED). CONCRETE SHALL BE MADE WITH TYPE V CEMENT, PLUS POZZOLAN OR SLAG CEMENT COMPLYING WITH FOOTNOTE 7 OF ACI 318 TABLE 19.3.2.1, WITH A WATER TO CEMENT RATIO NOT MORE THAN 0.45. SITE-SPECIFIC GEOTECHNICAL REPORT MUST BE PROVIDED IF A LOWER f'_c IS DESIRED. APPLICABLE EXPOSURE LEVELS = S2. CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3. ADMIXTURES CONTAINING CALCIUM AND CHLORIDE ARE PROHIBITED.
   - 1.C. REINFORCING STEEL: ASTM A615, GRADE 60, EXCEPT STIRRUPS AND TIES SHALL BE GRADE 40.
   - 1.D. PLATE STEEL: ASTM A36, F_Y = 36ksi
   - 1.E. SCHEDULE PIPE: ASTM A500 GRADE B&C, F_Y = 46 ksi
   - 1.F. STRUCTURAL TUBES: ASTM A500 GRADE B, Ø<3" F_Y = 50 ksi, Ø≥3" 46 ksi. CORROSION PROTECTION SHALL BE TRIPLE COATED FLO-COAT® HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A 1057/A1057M.
   - 1.G. MACHINED BOLTS: ASTM F593C/304 OR F593D/304 (LOCK NUTS ARE REQUIRED).
   - 1.H. LOCK NUTS: ASTM F594; ASME B18.16.6
   - 1.I. SELF-TAP SCREWS: AISI 410 SS
   - 1.J. ANCHOR BOLTS: ASTM F1554 GRADE 36 MINIMUM
   - 1.K. ANCHOR NUTS: ASTM A563
   - 1.L. CABLE STEEL: 7x19 OR 6x36 CLASS IWRC (TYPICALLY REFERRED TO AS AIRCRAFT CABLE), CABLE SHALL BE AISI 304 STAINLESS STEEL, ASTM A240.
     NOMINAL CABLE STRENGTH FOR 3/16"Ø F_u = 3.7k, 1/4"Ø F_u = 6.4k, 5/16"Ø F_u = 9k, 3/8"Ø F_u = 12k, 7/16"Ø Fu = 16.3k.
     ALLOWABLE STRENGTH FOR 3/16"Ø S_a = 1.23k, 1/4"Ø S_a = 2.18k, 5/16"Ø S_a = 3.07k, 3/8"Ø S_a = 4.09k, 7/16"Ø S_a = 6.3k.
     MIN. PRETENSION FORCE ON 1/4"Ø = 0.10k, ON 5/16"Ø = 0.15k, ON 3/8"= 0.20k, ON 7/16"Ø = 0.25k.
     MAX. PRETENSION FORCE ON 1/4"Ø = 0.15k, ON 5/16"Ø = 0.23k, ON 3/8"Ø = 0.30k, ON 7/16"Ø = 0.35k.
   - 1.M. WELDING ELECTRODES SHALL BE GMAW / SEMI-AUTOMATIC, GRADE ER70S-6 PER AWS A-5.18
   - 1.N. GROUT: NON-SHRINK, NON-METALLIC GROUT, SHALL MEET ASTM C1107, MIN. F'c = 5,000 psi.
   - 1.O. EXPOSED STEEL FASTENERS: ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/RODS, SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), OR HOT-DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329 OR ASTM A325 HIGH STRENGTH)
2. WELDING
   - 2.A. WORKMANSHIP AND TECHNIQUE OF WELDING ARE TO CONFORM TO THE 2022 C.B.C. SECTION 2204A.1. ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE 2022 C.B.C, CHAPTER 17A, SECTION 1705A.2.5
3. CABLE CLIPS & TURNBUCKLES
   - 3.A. CABLE CLIPS SHALL BE FORGED STEEL PER FEDERAL SPECIFICATION FF-C-450 TYPE 1, CLASS 1 INSTALLED WITH THE U-BOLT ON THE CABLE DEAD END (SEE SPECIFICATION SHEET ON FINAL SHEET OF THIS SUBMITTAL). CABLE CLIPS WILL DEVELOP THE ALLOWABLE STRENGTH OF THE CABLE WHEN PROPER QUANTITY AND BOLT TORQUE IS USED.
   - 3.B. 3/16"Ø CABLE REQUIRES A MINIMUM OF 3 CLIPS, 1/4"Ø CABLE REQUIRES A MINIMUM OF 3 CLIPS, 5/16"Ø CABLE REQUIRES A MINIMUM OF 3 CLIPS, 3/8"Ø CABLE REQUIRES A MINIMUM OF 3 CLIPS, AND 7/16"Ø CABLE REQUIRES A MINIMUM OF 4 CLIPS.
   - 3.C. BOLT TORQUE FOR 3/16" Ø CABLE CLIPS = 7 lb-ft, FOR 1/4"Ø CABLE CLIPS = 15 lb-ft, FOR 5/16"Ø CABLE CLIPS = 30lb-ft, FOR 3/8"Ø CABLE CLIPS = 45lb-ft, FOR 7/16"Ø CABLE CLIPS = 65lb-ft.
   - 3.D. TURNBUCKLES SHALL BE AISI T316 STAINLESS STEEL. ALLOWABLE STRENGTH FOR 1/2"Ø S_a = 1.54k, 5/8"Ø S_a = 2.46k, FOR 3/4"Ø S_a = 3.52k.
4. BOLT HOLES
   - 4.A. ANCHOR BOLT HOLE DIAMETERS SHALL BE 1/8" LARGER THAN THE BOLT DIAMETER, ALL OTHER CONNECTION BOLT HOLE DIAMETERS SHALL BE 1/16" LARGER THAN THE BOLT DIAMETER
5. CORROSION PROTECTION
   - 5.A. ALL STEEL MEMBERS (U.N.O.) SHALL BE POWDER COATED WITH A ZINC RICH PRIMER AND TGIC POLYESTER TOP COAT MEETING ASTM B117, ASTM D2247, AND ASTM D4587-05
6. FABRIC MATERIAL
   - 6.A. FABRIC MATERIAL SHALL BE COMMERCIAL NINETYFIVE 340 FR FABRIC
   - 6.B. MAXIMUM MODULUS OF ELASTICITY = 463 psi
   - 6.C. THE FABRIC SHALL BE MANUFACTURED FROM HIGH DENSITY POLYETHYLENE POLYMER
   - 6.D. NOMINAL WEIGHT = 10 oz/yd²
   - 6.E. MIN. ULTIMATE BREAKING STRENGTH PER ASTM D 5034: WARP = 158.6 lbs, WEFT = 412.3 lbs
   - 6.F. MAX. ELONGATION: WARP = 49%, WEFT = 89%
   - 6.G. MIN. ULTIMATE TEAR STRENGTH PER ASTM D 2261: WARP = 43.0 lbf, WEFT =39.6 lbf
   - 6.H. ALLOWABLE STRENGTH OF SEAMS: 67.3 lb/in
   - 6.I. FIRE RETARDANT RATING PER CSFM - TITLE 19, (LICENSE # : F-037801).
   - 6.J. FABRIC SHADE STRUCTURES SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CBC SECTION 3102 AND 3105
   - 6.K. FABRIC MATERIAL SHALL COMPLY WITH CBC SECTIONS 3102.3.1, 3105.3, AND CCR, TITLE 19, DIVISION 1, CHAPTER 8
7. QUALITY CONTROL
   - 7.A. QUALITY CONTROL PERFORMED BY THE SUPPLIER SHALL INCLUDE VISUAL AND/OR INSTRUMENTED VERIFICATION OF THE FOLLOWING ASPECTS, IF APPLICABLE: MATERIAL TRACEABILITY, WELD QUALITY, DIMENSIONAL ACCURACY, COATINGS, ASSEMBLY, PACKING, AND SHIPPING.
   - 7.B. ALL MANUFACTURER PERSONNEL SHALL RECEIVE TRAINING AS MANDATED BY SUPERIOR RECREATIONAL PRODUCTS. QUALITY PERSONNEL WILL BE CONTINUALLY TRAINED, INCLUDING PROCESS AUDITS THROUGHOUT THE PRODUCT REALIZATION. QUALITY ASSURANCE AUDITS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN SRP AND LADBS CERTIFIED INSPECTOR.
   - 7.C. ALL WELDED STEEL PRODUCTS SHALL RECEIVE QUALITY ASSURANCE AUDITS AFTER WELDING TO ENSURE DIMENSIONAL ACCURACY AND WELD QUALITY. PAINTED STEEL PRODUCTS SHALL RECEIVE RANDOM QUALITY ASSURANCE AUDITS USING A FILM THICKNESS GAUGE 250 TIMES PER DAY ON PRIMER COAT AND 250 PER DAY ON TOP COAT TO ENSURE PROPER COATING THICKNESS.
   - 7.D. STANDARDS FOR EXECUTION OF THE WORK SHALL FOLLOW SUPERIOR RECREATIONAL PRODUCTS' WORK INSTRUCTIONS, QUALITY PROCEDURES, AND DSA APPROVED SEALED DRAWINGS. MANUFACTURER SHALL ADHERE TO DIMENSIONAL TOLERANCES AS SPECIFIED ON APPLICABLE DRAWINGS AND DOCUMENTATION.
8. STANDARD NOTES
   - 8.A. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
   - 8.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
   - 8.C. **A "DSA CERTIFIED" CLASS 3 MIN. 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**
   - 8.D. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT
   - 8.E. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR.
   - 8.F. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR, SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR)
   - 8.G. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
   - 8.H. AS PER IR PC-4 1.7: FLOOD ZONE: DESIGN SHALL COMPLY WITH CBC SECTION 1612A AND PROCEDURE PR 14-01: FLOOD DESIGN AND PROJECT SUBMITTAL REQUIREMENTS. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X A LETTER STAMPED AND SIGNED FROM A GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.
   - 8.I. AS PER IR PC-4 1.8: GEOHAZARD REPORTS: GEOHAZARD REPORTS ARE NOT REQUIRED FOR OPEN FABRIC SHADE STRUCTURES 1,600 SQUARE FEET (SQ. FT.) OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4: GEOHAZARD REPORT REQUIREMENTS, SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQ. FT. UP TO A MAXIMUM OF 4,000 SQ. FT. AND COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1 DO NOT REQUIRE A GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION POTENTIAL EXISTS.
   - 8.J. AS PER IR PC-4 5.4.5: THE MINIMUM CLEARANCE REQUIRED BETWEEN DRILLED PIERS WHEN PLACING MULTIPLE CANOPIES IS: 8 x PIER DIAMETER (16', 20', OR 24' FROM PIER TO PIER).
   - 8.K. THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.
   - 8.L. AS PER IR PC-4 5.7: PIER & SHALLOW SPREAD FOOTINGS MAY BE COMBINED WITHIN THE SAME SHADE STRUCTURE IF ALL COLUMNS IN THE SHADE STRUCTURE HAVE THE SAME HEIGHT.
   - 8.M. SHADE STRUCTURE APPROVAL FOR WILDLAND-URBAN INTERFACE PER CBC 7A TO BE FIELD VERIFIED. THIS PC HAS NOT BEEN APPROVED FOR USE IN A FIRE HAZARD SEVERITY ZONE PER CBC CHAPTER 7A.
   - 8.N. MINIMUM SETBACK LIMIT FOR THE SHADE STRUCTURES AS PER FIGURE 1:

FIG. 1: FOUNDATION CLEARANCES FROM SLOPE



INDEX (Sheet Count: 6)	
#	Drawing Title
S1	COVER SHEET AND NOTES
S2	ELEVATION DETAILS
S3	TYPICAL DETAILS
S4	REFERENCE TABLES
S5	SPECIFICATION INFORMATION
S6	EXAMPLE FORM DSA 103 - TESTS & INSPECTIONS

DESIGN PARAMETER CHECKLIST FOR OVER-THE-COUNTER REVIEW

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

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

- ☐ THE CONSTRUCTION TYPE IS "IIB"
- ☐ THE RISK CATEGORY IS "II" OR LESS
- ☐ THE WIND EXPOSURE CATEGORY IS "C" OR LESS
- ☐ THE SOIL CLASS IS "D" OR BETTER
- ☐ THE PROJECT SITE BASIC ULTIMATE WIND SPEED IS ≤ 110 mph
- ☐ THE PROJECT SITE SEISMIC DESIGN CATEGORY IS "E" OR LESS
- ☐ THE PROJECT SITE IS NOT IN A FLOOD ZONE (WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X A LETTER STAMPED AND SIGNED FROM GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN PC ARE STILL APPLICABLE)
- ☐ THE PROJECT SITE IS NOT IN AN AREA CLASSIFIED AS A WILD LAND URBAN INTERFACE FIRE AREA (A FIRE HAZARD SEVERITY ZONE)
- ☐ NONE OF THE MAXIMUM DESIGN CRITERIA ARE EXCEEDED
- ☐ ALLOWABLE SOIL COMPRESSIVE STRENGTH IS 1,500 psf OR GREATER
- ☐ LATERAL BEARING PRESSURE SHALL BE 200 PSF/FT (INCREASED PER CBC SECTION 1806A.3.4) OR GREATER
- ☐ PIER FRICTIONAL RESISTANCE SHALL BE LARGER THAN USED IN DESIGN
- ☐ IF THE CANOPY SIZE IS < 1,600 ft² IN AREA, COMPLYING WITH THE REQUIREMENTS OF DSA IR A-4 SECTION 3.1.1, SUPPORTED ON ALL CORNERS (3 COLUMNS MINIMUM), A SITE-SPECIFIC GEOHAZARD REPORT IS NOT REQUIRED
  -OR-
  IF THE CANOPY SIZE IS < 4,000 ft² IN AREA AND THERE IS A GEOTECHNICAL REPORT PROVING THAT NO POTENTIAL FOR LIQUEFACTION EXISTS, A SITE-SPECIFIC GEOHAZARD REPORT IS NOT REQUIRED
- ☐ THE CANOPY SIZE PROVIDES THE MINIMUM REQUIRED AREA FOR THE SELECTED ASSEMBLY USE AND DESIRED OCCUPANCY LOAD (SEE ASSEMBLY USE SELECTION CHECKLIST)

OCCUPANCY USE SELECTION CHECKLIST

THE FOLLOWING CHECKLIST IS TO BE USED BY THE PARTY SUBMITTING THIS PRE-CHECK TO INDICATE THE INTENDED OCCUPANCY USE FOR THIS FABRIC CANOPY.

- ☐ ASSEMBLY GROUP A-2
- ☐ ASSEMBLY GROUP A-3
- ☐ BUSINESS GROUP B
- ☒ EDUCATIONAL GROUP E

INTENDED OCCUPANCY LOAD 30 PERSONS

SITE-SPECIFIC CODE ANALYSIS

THIS SECTION IS TO BE FILLED OUT BY THE ARCHITECT OF RECORD FOR SITE-SPECIFIC APPROVAL
TYPE OF CONSTRUCTION: TYPE IIB
FIRE SPRINKLER: NO
ALLOWABLE AREA = 1600 ft²

CODE ANALYSIS			
OCCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTURE AREA (ft²)
E	20	30	600

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

CANOPY SIZE SELECTION CHECKLIST

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

NOTES:
1. HEIGHT OPTIONS ARE FROM 9FT TO 12FT.
2. INTERMEDIATE SIZES MAY USE THE MEMBER SIZES OF THE NEXT LARGEST CANOPY WITH AN IDENTICAL WIDTH TO LENGTH RATIO.

HIP STYLE SIZE
- ☐ 10' x 20'
- ☐ 15' x 20'
- ☐ 18' x 36'
- ☐ 20' x 20'
- ☒ 20' x 30'
- ☐ 20' x 40'
- ☐ 25' x 25'
- ☐ 25' x 30'
- ☐ 30' x 30'
- ☐ 30' x 40'

HEIGHT
- ☐ 9'
- ☒ 10'
- ☐ 12'

UMBRELLA STYLE SIZE
- ☐ 12'
- ☐ 20'

HEIGHT
- ☐ 9'
- ☐ 10'
- ☐ 12'

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FABRIC CANOPIES DSA PC - EMB
COVER SHEET

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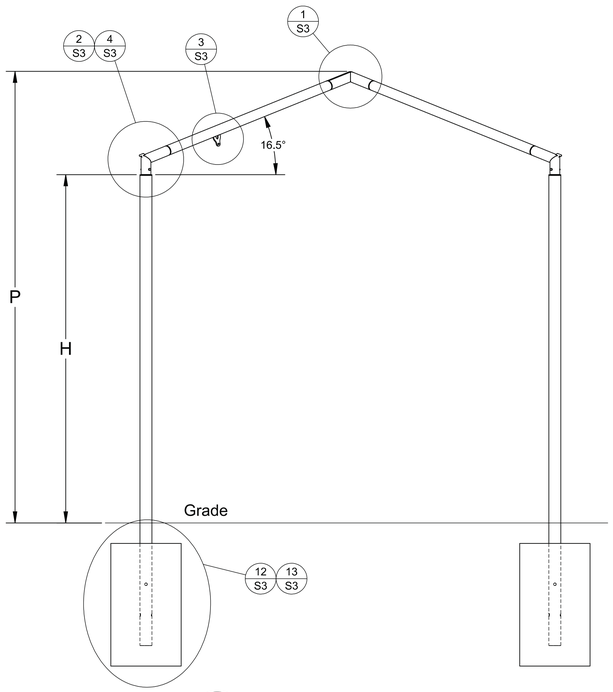
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DISTRICT/OWNER:
LOCATION/ADDRESS:

Revisions

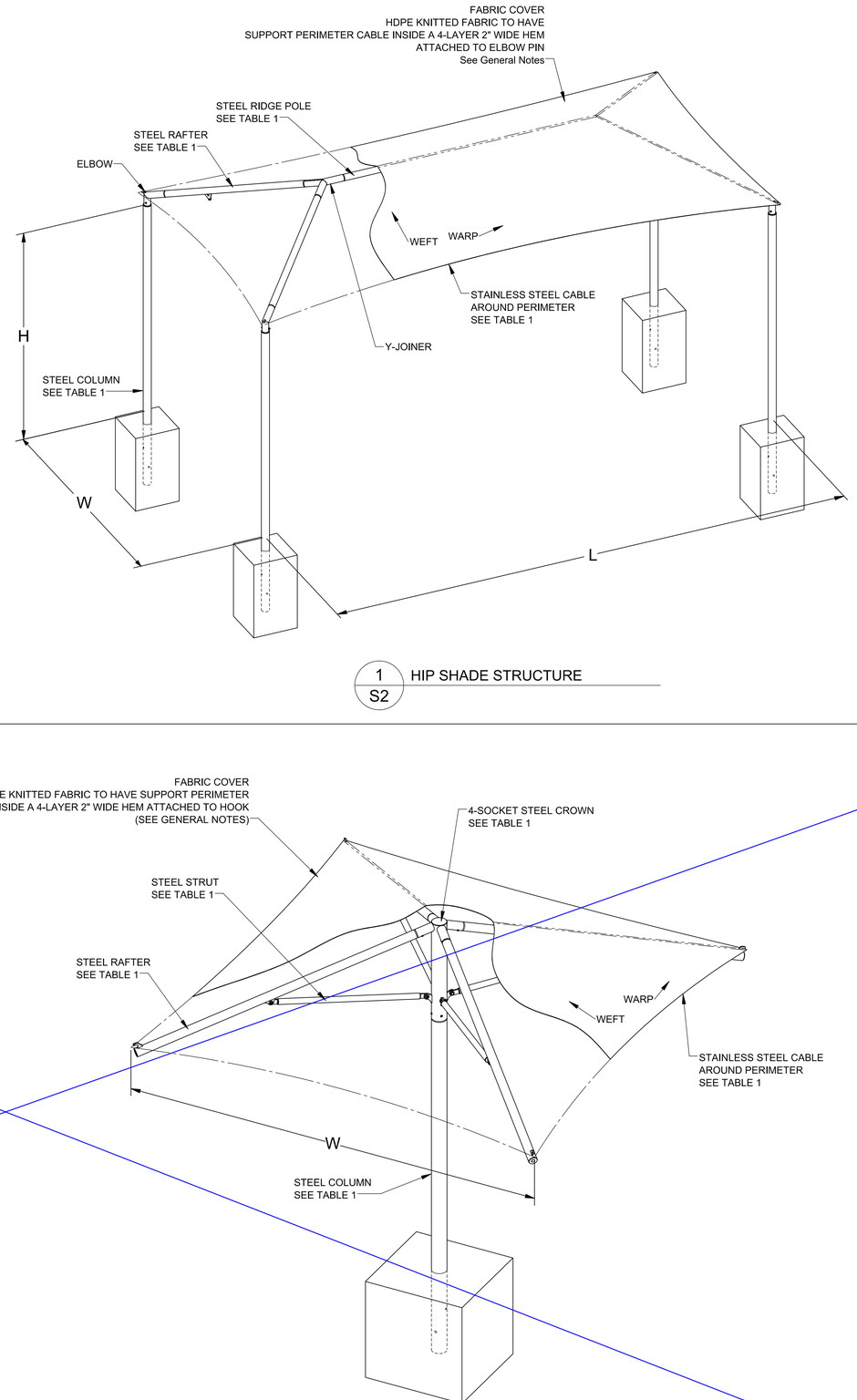
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Drawn:	KJK
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Chkd:	
Date:	
Job Number:	

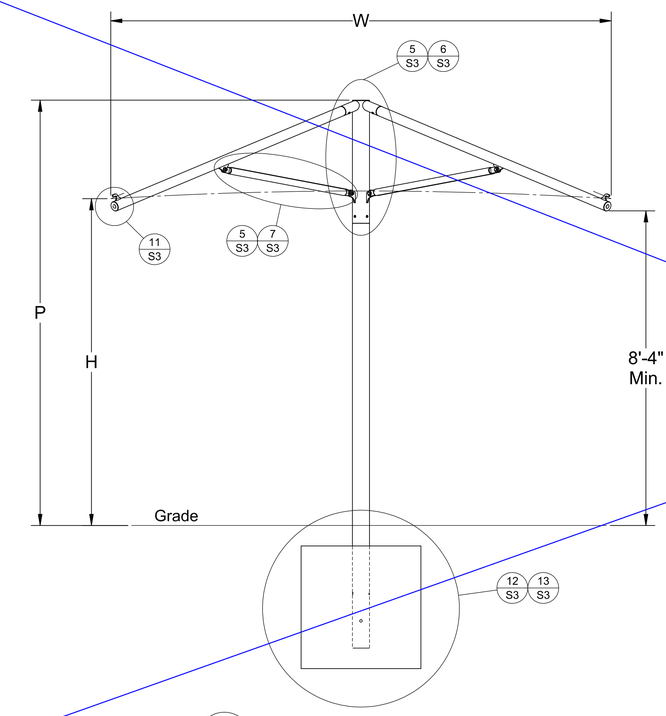
S1
Sheet No.



2 S2 HIP FRAME ELEVATION



1 S2 HIP SHADE STRUCTURE



4 S2 UMBRELLA FRAME ELEVATION

3 S2 UMBRELLA SHADE STRUCTURE

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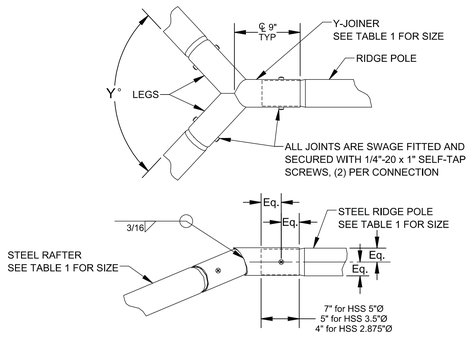
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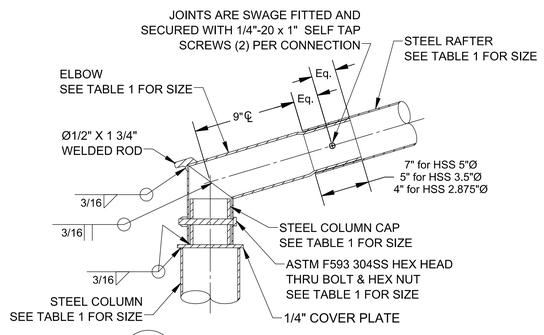
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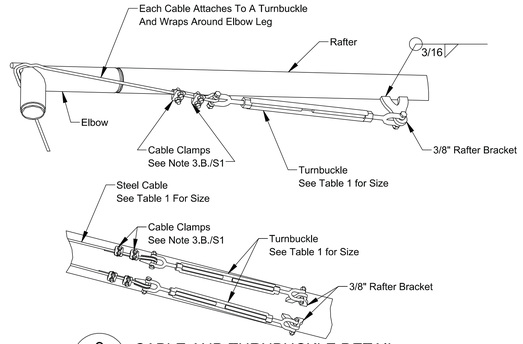
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Sheet No.



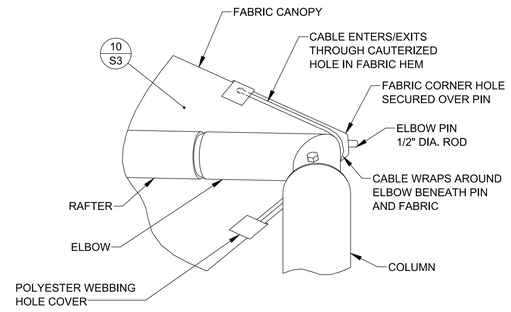
1 S3 "Y" JOINER CONNECTION DETAIL
(Y° See Table 1/S4)



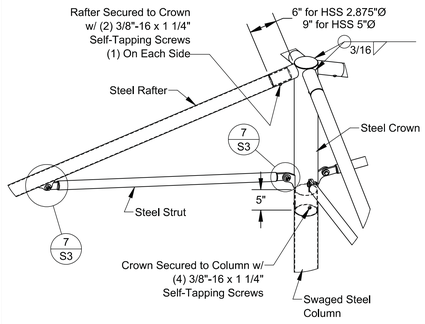
2 S3 ELBOW CONNECTION DETAIL



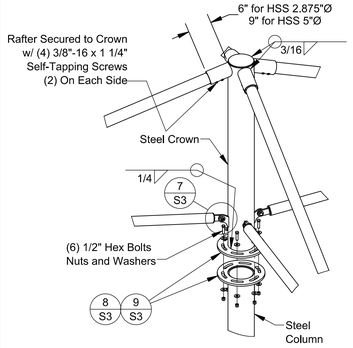
3 S3 CABLE AND TURNBUCKLE DETAIL



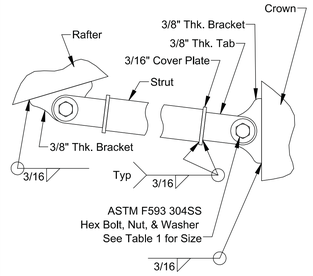
4 S3 ELBOW FABRIC AND CABLE DETAIL



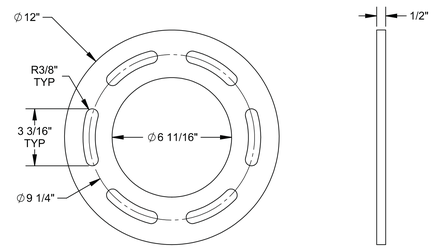
5 S3 CROWN DETAIL
Applies to 5" Dia. Columns



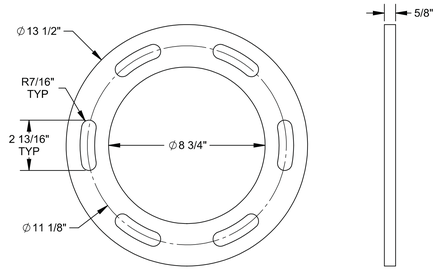
6 S3 CROWN DETAIL
Applies to 6" and 8" Dia. Columns



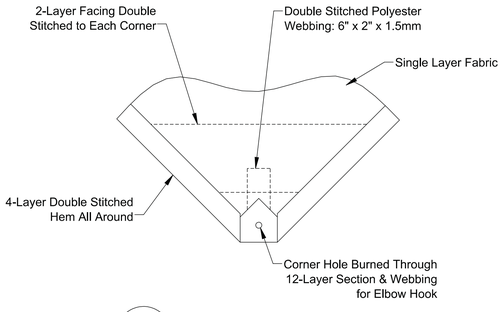
7 S3 STRUT DETAIL



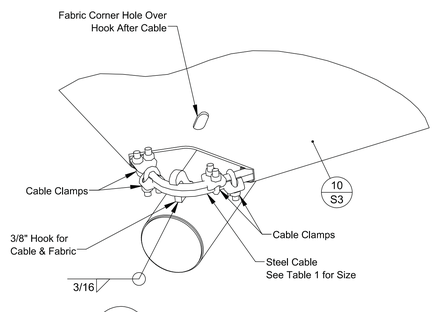
8 S3 FLANGE DETAIL A
Applies to 6" Dia. Columns



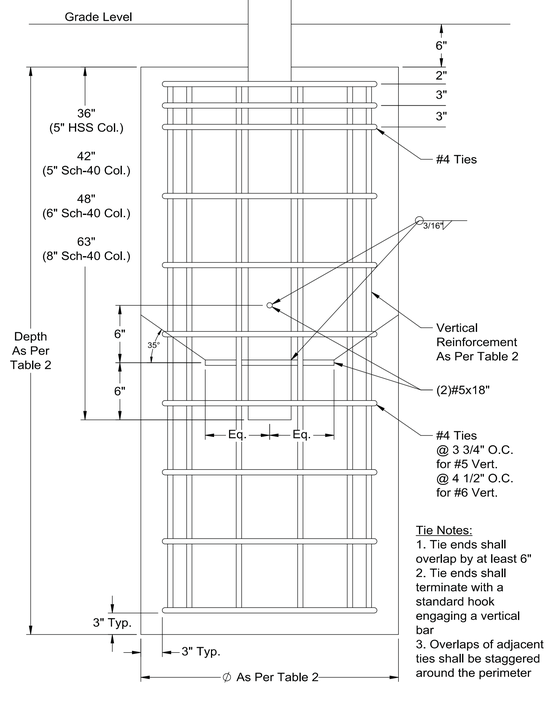
9 S3 FLANGE DETAIL B
Applies to 8" Dia. Columns



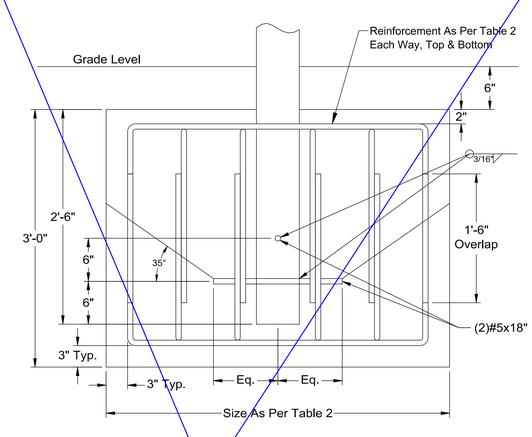
10 S3 FABRIC CORNER DETAIL



11 S3 FABRIC/CABLE CONNECTION



12 S3 PIER FOOTING OPTION DETAIL



13 S3 SPREAD FOOTING OPTION DETAIL

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FABRIC CANOPIES DSA PC - EMB
TYPICAL CANOPY DETAILS

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Revisions

	Date:	By:
1	7/17/2024	KJK

Drawn:	KJK
Date:	4/2/2024
Chkd:	
Date:	
Job Number:	

SEAL:
LICENSED PROFESSIONAL ENGINEER
ZHISONG ZHAO
S 6814
7/17/24
STRUCTURAL
STATE OF CALIFORNIA

S3
Sheet No.

TABLE 1 : Shade Member Sizes

	✓	Shade Number	Width (W)	Length (L)	Height (H)	Peak Height (P)	Steel Column	Steel Rafter	Steel Ridge	Elbow & Y-Joiner	Cable Size	Turnbuckle Size	Y° (See detail 1/S3)	Elbow Bolt Size (See Detail 2/S3)	Column Cap Material (See Detail 2/S3)
HIP STYLE		DSARD102009IN	10'	20'	9'	11.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	∅5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
		DSARD152009IN	15'	20'	9'	12.03'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	∅5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
		DSASD202009IN	20'	20'	9'	12.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	∅5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
		DSASD252509IN	25'	25'	9'	13.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	∅3/4" x 12"	106	1/2" x 6"	4" Sch-40
		DSARD203009IN	20'	30'	9'	13.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	∅3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD253009IN	25'	30'	9'	14.05'	Pipe 8" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	∅3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSASD303009IN	30'	30'	9'	14.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	∅3/4" x 12"	106	1/2" x 6"	4" Sch-40
		DSARD183609IN	18'	36'	9'	12.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD204009IN	20'	40'	9'	13.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD304009IN	30'	40'	9'	15.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD102010IN	10'	20'	10'	12.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	∅5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
		DSARD152010IN	15'	20'	10'	13.03'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	∅5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
		DSASD202010IN	20'	20'	10'	13.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	∅5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
		DSASD252510IN	25'	25'	10'	14.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	∅3/4" x 12"	106	1/2" x 6"	4" Sch-40
	X	DSARD203010IN	20'	30'	10'	14.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	∅3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD253010IN	25'	30'	10'	15.05'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	∅3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSASD303010IN	30'	30'	10'	15.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	∅3/4" x 12"	106	1/2" x 6"	4" Sch-40
		DSARD183610IN	18'	36'	10'	13.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD204010IN	20'	40'	10'	14.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD304010IN	30'	40'	10'	16.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD102012IN	10'	20'	12'	14.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	∅5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
		DSARD152012IN	15'	20'	12'	15.03'	Pipe 5" x Sch 40	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	∅5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
		DSASD202012IN	20'	20'	12'	15.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	∅5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
		DSASD252512IN	25'	25'	12'	16.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	∅3/4" x 12"	106	1/2" x 6"	4" Sch-40
		DSARD203012IN	20'	30'	12'	16.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	∅3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD253012IN	25'	30'	12'	17.05'	Pipe 8" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	∅3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSASD303012IN	30'	30'	12'	17.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	∅3/4" x 12"	106	1/2" x 6"	4" Sch-40
		DSARD183612IN	18'	36'	12'	15.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD204012IN	20'	40'	12'	16.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40
		DSARD304012IN	30'	40'	12'	18.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	∅1" x 12"	94.3	1/2" x 6"	4" Sch-40

		Shade Number	Width (W)	Length (L)	Height (H)	Peak Height (P)	Steel Column	Steel Rafter	Steel Crown	Steel Strut	Cable Size	Strut Bolt (See Detail 7/S3)
UMBRELLA STYLE		DSASU121209IN	12'	12'	9'	11.42'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 11 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	∅3/4"
		DSASU121210IN	12'	12'	10'	12.42'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 11 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	∅3/4"
		DSASU121212IN	12'	12'	12'	14.42'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 7 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	∅3/4"
		DSASU202009IN	20'	20'	9'	13.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	∅1"
		DSASU202010IN	20'	20'	10'	14.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	∅1"
		DSASU202012IN	20'	20'	12'	16.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	∅1"

TABLE 2 : Shade Foundation

Style	✓	Shade Number	Spread Footing Depth	Spread Foot Size	Spread Footing Reinforcement	Pier Footing Depth	Pier Footing Diameter	Pier Footing Reinforcement
HIP		DSARD102009IN	3.0'	3.5' x 3.5'	5 #5	5.75'	∅2'	8 #6
		DSARD152009IN	3.0'	4' x 4'	6 #5	6.75'	∅2'	8 #6
		DSASD202009IN	3.0'	5.25' x 5.25'	7 #5	7.75'	∅2'	8 #6
		DSASD252509IN	3.0'	6.5' x 6.5'	9 #5	9'	∅2.5'	10 #6
		DSARD203009IN	3.0'	5.5' x 5.5'	7 #5	8.75'	∅2.5'	10 #6
		DSARD253009IN	3.0'	6.5' x 6.5'	9 #5	9.25'	∅3'	12 #6
		DSASD303009IN	3.0'	7.25' x 7.25'	10 #5	9.5'	∅3'	12 #6
		DSARD183609IN	3.0'	6' x 6'	8 #5	9.25'	∅3'	12 #6
		DSARD204009IN	3.0'	6.5' x 6.5'	9 #5	10'	∅3'	12 #6
		DSARD304009IN	3.0'	7.25' x 7.25'	10 #5	11'	∅3'	12 #6
		DSARD102010IN	3.0'	3.5' x 3.5'	5 #5	5.75'	∅2'	8 #6
		DSARD152010IN	3.0'	4' x 4'	6 #5	6.75'	∅2'	8 #6
		DSASD202010IN	3.0'	5.5' x 5.5'	7 #5	7.75'	∅2'	8 #6
		DSASD252510IN	3.0'	6.5' x 6.5'	9 #5	9'	∅2.5'	10 #6
	X	DSARD203010IN	~~3.0'~~	~~5.75' x 5.75'~~	~~8 #5~~	8.75'	∅2.5'	10 #6
		DSARD253010IN	3.0'	6.25' x 6.25'	8 #5	9.25'	∅3'	12 #6
		DSASD303010IN	3.0'	7.25' x 7.25'	10 #5	9.75'	∅3'	12 #6
		DSARD183610IN	3.0'	6.5' x 6.5'	9 #5	9.5'	∅3'	12 #6
		DSARD204010IN	3.0'	7' x 7'	9 #5	10'	∅3'	12 #6
		DSARD304010IN	3.0'	7.25' x 7.25'	10 #5	11'	∅3'	12 #6
		DSARD102012IN	3.0'	3.75' x 3.75'	5 #5	6'	∅2'	8 #6
		DSARD152012IN	3.0'	4.5' x 4.5'	6 #5	7'	∅2'	8 #6
		DSASD202012IN	3.0'	5.5' x 5.5'	7 #5	7.75'	∅2'	8 #6
		DSASD252512IN	3.0'	6.5' x 6.5'	9 #5	9'	∅2.5'	10 #6
		DSARD203012IN	3.0'	6.25' x 6.25'	8 #5	9'	∅2.5'	10 #6
		DSARD253012IN	3.0'	6.5' x 6.5'	9 #5	9.25'	∅3'	12 #6
		DSASD303012IN	3.0'	7.5' x 7.5'	10 #5	9.75'	∅3'	12 #6
		DSARD183612IN	3.0'	6.75' x 6.75'	9 #5	10'	∅3'	12 #6
		DSARD204012IN	3.0'	7.25' x 7.25'	10 #5	10'	∅3'	12 #6
		DSARD304012IN	3.0'	7.5' x 7.5'	10 #5	11'	∅3'	12 #6
UMBRELLA		DSASU121209IN	3.0'	4' x 4'	6 #5	5.25'	∅2'	8 #6
		DSASU121210IN	3.0'	4.25' x 4.25'	6 #5	5.5'	∅2'	8 #6
		DSASU121212IN	3.0'	4.5' x 4.5'	6 #5	6'	∅2'	8 #6
		DSASU202009IN	3.0'	5.5' x 5.5'	7 #5	7'	∅2.5'	10 #6
		DSASU202010IN	3.0'	5.75' x 5.75'	8 #5	7.5'	∅2.5'	10 #6
		DSASU202012IN	3.0'	6.25' x 6.25'	8 #5	8'	∅2.5'	10 #6

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LICENSED PROFESSIONAL ENGINEER ZHISONG ZHAO S 6814 7/17/24 STRUCTURAL STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

SUPERIOR RECREATIONAL PRODUCTS
Shade

SUPERIOR SHADE
150 Adamson Industrial Blvd.
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - EMB
REFERENCE TABLES

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122399 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 7/23/2024

SITE PROJECT NAME:
DISTRICT/OWNER:
LOCATION/ADDRESS:

Revisions

	Date:	By:
1	7/17/2024	KJK

Drawn:	KJK
Date:	4/2/2024
Chkd:	
Date:	
Job Number:	

S4
Sheet No.

FLAME RETARDANT

Fabric Registration

LICENSE NUMBER: F-037801

COMMERCIAL NINETYFIVE 340FR

Product Marketed by:

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

Issue Date : 05/29/2024
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

Commercial **NinetyFive 340FR**

PRODUCT SPECIFICATION



Commercial NinetyFive 340 FR, the flame retardant version of the most trusted HDPE shade fabric in the industry, is a mid-weight, flame retardant fabric that delivers the utmost in versatility. Available in 22 vibrant and on-trend colors, Commercial NinetyFive 340 FR can fulfill almost any HDPE design requirement.

- A mid-weight, 340 gsm fabric suitable for applications spanning a wide array of sizes and designs.
- Provides the optimal combination of sun protection, strength, and durability to ensure low maintenance, and long-life performance
- The most expansive color assortment in the HDPE shade fabric market. Offering 22 rich vibrant and on-trend colors to fulfill a wide range of design requirements.
- Each color individually tested and meets the most stringent FR certification criteria
- Industry-leading stentering process provides premium lay flat characteristics to assist with accurate design and fabrication
- Backed by a full 10-year warranty against UV degradation and designed to withstand the world's harshest environments
- 100% Lead and Phthalate free

FLAMMABILITY

CSFM Title 19 1237.1
NFPA 701 Test Methods 1 & 2
ASTM E84 19B

Each color individually tested and passes all certification criteria for above. Test results available upon request.
NFP92-503 Class M1 in process

FABRIC PROPERTIES

AS 2001.2.13 Mass per unit
Nominal fabric mass 340 gsm ± 20; 10 oz/yd²
Approximate thickness 0.66 in. / 1.6 mm

ROLL SPECIFICATIONS

Nominal width:	9 ft. 10 in. / 3.0m (folded)
Length:	131 ft 3 in. / 40m
Approx. roll weight:	97 lbs. / 44 kg
Approx. roll diameter:	1.06 ft / 0.32 m
Core diameter:	1.38 in. / 35 mm

USAGE INSTRUCTIONS

Do not use against flames. Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty. Biaxial elastic material properties available on request.

SUGGESTED SPECIFICATION

Shade cloth fabric shall be compliant to Australian standard AS 4174:2018 and shall be GALE Pacific Commercial NinyFive 340 FR Knitted HDPE monofilament & tape shade fabric offering a UVE Protection from 90 to 96%.

PERFORMANCE

ASTM D5034
Tensile Strength and Elongation

Maximum Force – Warp (Mean)	158.6 lbf
Elongation at Maximum Force (Mean)	85%
Maximum Force – Weft (Mean)	412.3 lbf
Elongation at Maximum Force – Warp (Mean)	49%

ASTM D2261
Tearing Strength – Tongue (Single Rip)

Mean Force – Warp	43.0 lbf
Mean Force – Weft	39.6 lbf

ASTM D6797
Bursting Strength – Ball Burst (Constant Rate of Extension)
Mean Force 408 lbf

AS 4174:2018
Shade Protection Fabric Performance

Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
Aquatic Blue	92	88.1	11.9	8.5	91.5	91	Very Effective
Black	95	94.8	5.2	5.0	95.0	94	Very Effective
Bright Green	90	87.3	12.7	9.0	91.0	90	Effective
Brown	96	94.3	5.7	4.0	96.0	96	Most Effective
Brunswick Green	93	92.9	7.1	6.4	93.6	92	Very Effective
Cayenne	93	87.3	12.7	6.7	93.3	92	Very Effective
Cedar	93	88.4	11.6	6.4	93.6	93	Very Effective
Charcoal	93	93.6	6.4	6.1	93.9	92	Very Effective
Cherry Red	90	80.0	20.0	10.0	90.0	90	Effective
Deep Ochre	91	90.5	9.5	8.3	91.7	90	Effective
Desert Sand	93	86.1	13.9	6.6	93.4	92	Very Effective
Gun Metal	96	94.5	5.5	3.5	96.5	96	Most Effective
Natural	94	78.3	21.7	6.5	93.5	92	Very Effective
Navy Blue	94	93.1	6.9	6.2	93.8	93	Very Effective
Orange	92	80.8	19.2	7.6	92.4	91	Very Effective
Rivergum Green	94	89.7	10.3	6.0	94.0	93	Very Effective
Royal Purple	91	87.9	12.1	8.6	91.4	90	Effective
Sky Blue	94	91.3	8.7	6.0	94.0	93	Very Effective
Steel Grey	92	89.7	10.3	7.6	92.4	91	Very Effective
Turquoise	94	89.5	10.5	6.6	93.4	93	Very Effective
White	95	76.5	23.5	5.4	94.6	94	Very Effective
Yellow	93	77.5	22.5	6.8	93.2	92	Very Effective

USA P 1800 560 4667 F +1 407 772 0553
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NZ P 0800 555 171 F 0800 555 172
UAE P +971 4 881 7114 F +971 4 881 7167

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The above results are typical averages from quality assurance testing and are not to be taken as a minimum specification nor as forming any contrac between GALE Pacific and another party. Due to continuous product improvement product specifications are subject to alteration without notice. As the use and disposal of this product are beyond GALE Pacific's control, regardless of any assistance provided without charge, GALE Pacific assumes no obligation or liability for the suitability of its products in any specific end use application. It is the customer's responsibility to determine whether GALE Pacific's products are appropriate for the specific application and complies with any legal & patent regulations.

7X19 Stainless Steel Cable



7 x 19

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

6X19/37 Class Stainless Steel Wire Rope



6 X 36

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

Stainless Steel Wire Rope Clips



Stainless Steel
Wire Rope Clips

Precision Cast Type 316

Size (Inch)	Size (mm)	Min Clips Required	Weight (Lbs)
3/16	5	3	0.08
1/4	6	3	0.09
5/16	8	3	0.19
3/8	10	3	0.38
1/2	12	4	0.53
5/8	16	4	0.90
3/4	20	5	1.06

Stainless Steel Jaw & Jaw Turnbuckle

T316, Forged



Size X Take Up (Inch)	Working Load Limit (Lbs)	Weight per Each (Lbs)
1/4 x 4	500	0.528
5/16 x 4-1/2	800	0.726
3/8 x 6	1,200	0.880
1/2 x 12	2,200	2.394
5/8 x 12	3,500	4.664
3/4 x 12	5,200	7.042
1 x 12	8,000	11.24

SEAL:

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ZHISONG ZHAO
S 6814
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DSA SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

SUPERIOR RECREATIONAL PRODUCTS
Shade

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150 Adamson Industrial Blvd.
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - EMB
SPECIFICATION INFORMATION

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

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DIV. OF THE STATE ARCHITECT
APP: 02-122399 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 7/23/2024

SITE PROJECT NAME:
DISTRICT/OWNER:
LOCATION/ADDRESS:

Revisions

	Date:	By:
1	7/17/2024	KJK

Drawn:	KJK
Date:	4/2/2024
Chkd:	
Date:	

Job Number:

S5
Sheet No.

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

General

Application Number: **School Name:** **School District:**

DSA File Number: **Increment Number:** **Date Created:**

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: **School Name:** **School District:**

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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:

	S3. DRIVEN DEEP FOUNDATIONS (PILES):

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS): Not required if spread footing option is selected			
	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.		

	S5. RETAINING WALLS:

	S6. OTHER SOILS:

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: **School Name:** **School District:**

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	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify use of required design mix.	**Periodic**	**SI**	**Table 1705A.3 Item 5, 1910A.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'c).	**Test**	**LOR**	**1905A.1.17;** ACI 318-19 Section 26.12.
☐	**e.** Batch plant inspection:	**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/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):

	C4. SHOTCRETE (IN ADDITION TO SECTION C1):

	C5. POST-INSTALLED ANCHORS:

	C6. OTHER CONCRETE:

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: **School Name:** **School District:**

DSA File Number: **Increment Number:** **Date Created:**

	S/A1. 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; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	**b.** Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☑	**c.** Examine seam welds of HSS 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 trusses (**1705A.2.4**).
☐	**e.** Buckling restrained braces.	**Test**	**LOR**	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:

	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 17-3.
☑	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.

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: **School Name:** **School District:**

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	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**	**1705A.2.2, 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.2.3;** 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.

	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):

	S/A6. NONDESTRUCTIVE TESTING:

	S/A7. STEEL JOISTS AND TRUSSES:

	S/A8. SPRAYED FIRE-RESISTANT MATERIALS:

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: **School Name:** **School District:**

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	S/A9. ANCHOR BOLTS AND ANCHOR RODS:

	S/A10. STORAGE RACK SYSTEMS:

	S/A11. Other Steel

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

Application Number: **School Name:** **School District:**

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Exempt items given in DSA IR A-22 or the 2022 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents**. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:

	CONCRETE/MASONRY:

	WELDING:

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

Application Number: **School Name:** **School District:**

DSA File Number: **Increment Number:** **Date Created:**

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: **School Name:** **School District:**

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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

NOTE: THE EXAMPLE FORM DSA-103(s) SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY.
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SEAL:

LICENSED PROFESSIONAL ENGINEER
HISONG ZHANG
S 6814
7/7/24
STRUCTURAL
STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
APP: 03-125482 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/10/2025

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150 Adamson Industrial Blvd.
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FABRIC CANOPIES DSA PC - EMB
EXAMPLE FORM DSA 103 -
TESTS & INSPECTIONS

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SITE PROJECT NAME:
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Revisions

	Date:	By:
1	7/17/2024	KJK

Drawn:	KJK
Date:	4/2/2024
Chkd:	
Date:	

Job Number:

S6
Sheet No.