SHIVELA MIDDLE SCHOOL
SHADE STRUCTURE PLACEMENT
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
24515 LINCOLN AVE.
MURRIETA, CA 92562

GENERAL NOTES

1. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

2. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATION AND TRENCHING ON THIS SITE TO AVOID INTERCEPTING EXISTING PIPING AND CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE PROSECUTION OF THIS WORK.

3. THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF SERVICE, ARE THE PROPERTY OF PBK ARCHITECTS, INC., AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF PBK ARCHITECTS, INC.

4. THE WORK SHOWN ON THESE DRAWINGS AS EXISTING CONDITIONS WAS PREPARED FROM INFORMATION FURNISHED BY THE OWNER. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, PBK ARCHITECTS, INC. IS NOT RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF ANY WORK SHOWN AS EXISTING NOR IS PBK ARCHITECTS, INC. RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.

5. FIRE SAFETY DURING CONSTRUCTION

   A. GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9, CHAPTER 33.

   B. ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 33 CBC 2022.

   C. WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL IN ACCORDANCE WITH CHAPTER 33 CBC 2022.

   D. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES.

   E. ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 33 CBC 2022.

   F. DEMOLITION OF BUILDINGS: SHALL COMPLY APPLICABLE PROVISIONS OF CHAPTER 33 CBC 2022.

   G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL.

6. INSPECTOR OF RECORD REQUIREMENTS:

   A. "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A MINIMUM CLASS 2 INSPECTOR IS REQUIRED.

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

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

10. SOIL BEARING PRESSURE ASSUMED AT : 1,500 PSF PER CBC TABLE 1806A.2, ITEM 5.

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

12. PATH OF TRAVEL (POT) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1/2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 4'-0" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. MAXIMUM CROSS-SLOPE IS 1:48 TYPICAL AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 1:20. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 6'-8" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL BETWEEN 2'-3" AND 6'-8" ABOVE SURFACE OF PATH OF TRAVEL. ARCHITECT SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED AND PATH OF TRAVEL COMPLIES WITH CBC 2022 SECTION 119-206.

13. GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL SHALL HAVE GRID OPENINGS IN GRATINGS LIMITED TO 1/2" MAXIMUM IN SIZE IN THE DIRECTION OF TRAFFIC FLOW. IF SUCH CONDITION OCCURS, MANUFACTURERS CUT-SHEETS WILL BE PROVIDED FOR REVIEW.

14. GATES IN THE PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS OF CALIFORNIA BUILDING CODE (CBC) SECTION 1003.3.1. GATES WILL BE PROVIDED WITH PANIC HARDWARE AND A 10" HIGH KICK PLATE AT THE BOTTOM OF BOTH SIDES OF THE GATE.

15. ALL NEW CONCRETE PAVING WITH A SLOPE LESS THAN 6% SHALL BE PROVIDED WITH A MINIMUM MEDIUM BROOM NON-SLIP FINISH.

16. ALL NEW CONCRETE PAVING WITH A SLOPE GREATER THAN 6% SHALL BE PROVIDED WITH A HEAVY BROOM NON-SLIP FINISH.

17. FULLY COOPERATE AND CONSULT WITH ALL SEPARATE CONTRACTORS FURNISHING LABOR, MATERIALS OR SERVICES ON SITE SO THAT THE WORK CAN BE EXECUTED IN AN EFFICIENT MANNER WITH OUT CONFLICT OR DELAY.

18. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ADDITION, ALTERATION OR RECONSTRUCTION IS IN COMPLIANCE WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT IDENTIFIED BY THE CONTRACT DOCUMENTS WHEREIN THE FINAL WORK WOULD NOT COMPLY WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE ARCHITECT OF THE CONDITION IN WRITING. NECESSARY INFORMATION REQUIRED TO CORRECT THE CONDITIONS ENCOUNTERED WILL BE ISSUED BY THE ARCHITECT. A CCD MAY BE ISSUED TO ADJUST THE CONTRACT SUM OR TIME COMMENSURATE WITH THE AMOUNT OF ADDITIONAL WORK REQUIRED IF ANY. THE CCD SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK REQUIRED BY THE CHANGE ORDER.

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

20. DEFERRED SUBMITTALS:
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.

GOVERNING CODES

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1

2022 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2 (2021 INTERNATIONAL BUILDING CODE (IBC) W/ CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3 (2020 NATIONAL ELECTRIC CODE (NEC) W/ CALIFORNIA AMENDMENTS)

2022 CALIFORNIA MECHANICAL CODE (CMC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 4 (2021 UNIFORM MECHANICAL CODE (UMC) W/ CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE (CPC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 5 (2021 UNIFORM PLUMBING CODE (UPC) W/ CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6

2022 CALIFORNIA HISTORICAL BUILDING CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 8

2022 CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9 (2021 INTERNATIONAL FIRE CODE (IFC) W/ CALIFORNIA AMENDMENTS)

2022 CALIFORNIA EXISTING BUILDING CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 10 (2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC) W/ CALIFORNIA AMENDMENTS)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 11

2022 CALIFORNIA REFERENCED STANDARDS CODE -CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 12 1990 STATE FIRE MARSHAL REGULATIONS (AS AMENDED TO DATE) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19

CALIFORNIA ELEVATOR SAFETY CODE, CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 8 (AS AMENDED TO DATE)

2010 AMERICANS WITH DISABILITY ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN (ADAS)

APPLICABLE NFPA , UL AND ICC STANDARDS
FOR FOR A LIST APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

NOTE: ALL NFPA STANDARDS AS LISTED ARE TO CONFORM TO THE EDITION AS LISTED WITH THE LATEST CALIFORNIA AMENDMENTS. REFERENCE THE 2022 CBC, TITLE 24, PART 2 + CHAPTER 35 FOR ADDITIONAL APPLICABLE NFPA, UL STANDARDS AND ANY CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

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

(Application No. 04-123359 File No. 33-57)

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

have been detailed 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) Quality, scope and extent to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared for my use; and
2) any conflicts with my plans and specifications and is acceptable for incorporation into the construction of the project.

The Statement of Conformance shall not be construed as relieving any of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-343, and 4-344 of Title 24, Part 1. (4/89 efh, April 2, Section 4 4/97 BB)

I certify that: ☑ All drawings or sheets listed on the cover or index sheet ☐ This drawing of page

☑ Is in general conformance and have been coordinated — Signature: Date: 03/18/2024
☐ Is in general conformance and have been coordinated — Signature: Date:

And/or Engineer designated to be in general responsible charge — Print Name: Lisa Cox — Date: 03/18/24 — Expiration Date: 08/31/25
And/or Engineer designated responsible for preparation of the work. — Print Name: — Date: — Expiration Date:

Page 1 of 1

STATE OF CALIFORNIA
Fabric Registration
LICENSE NUMBER: FR-220091
COLOR:SHADE FR-S5

Product Marketed by:
Issue Date: 10/05/2023
Expiration Date: 10/05/2024

This product meets the minimum requirements of CFR as established by the California State Fire Marshal for products identified in Section 1519, Chapter 4 Health and Safety Code. The scope of the approval and limitations are listed in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT FABRICS, Single Copy and MARKING, SEWING, AND LABELING APPLICATIONS CONFORMS published by the California State Fire Marshal.

Issued By Signature / Fire Engineering Licensing Manager
Approved and Approved By: Fabrics Safety Deputy State Fire Marshal
Fire Engineering & Investigations Division

CHIEF, OFFICE OF THE STATE FIRE MARSHAL
Please visit www.osfm.fire.ca.gov for more information on licensing and marketing with CAL FIRE

Page 1 of 1

SHEET INDEX

DRAWING REF NO	DESCRIPTION
ARCHITECTURAL	
A0.1	GENERAL NOTES / PROJECT DIRECTORY
A1.0	OVERALL SITE PLAN
A1.1	ENLARGED SITE PLAN
SHADE STRUCTURES LS-03 & LS-04 (PC A#04-119454)	
T-1.0	TITLE SHEET
T-2.0	UNIT SELECTION
T-3.0	TS# FORMS
11.1-1000	PRODUCT INFORMATION
11.2-2000	REACTIONS

TOTAL NUMBER OF SHEETS: 8

SCOPE OF WORK

THE SCOPE OF THE WORK AS STATED BELOW IS FOR DSA PLAN REVIEW PURPOSES ONLY AND DOES NOT CONSTITUTE A DETAILED AND FULL EXPLANATION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

PLACEMENT OF (2) 20'-0"X30'-0" CANTILEVER PC A#04-121917 FABRIC SHADE STRUCTURES.

PROJECT TEAM

PROJECT ADDRESS
SHIVELA MIDDLE SCHOOL
24515 LINCOLN AVE.
MURRIETA, CA 92562
PHONE: 951-696-1406

OWNER
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
41870 MCALBY CT
MURRIETA, CA 92562-7201
PHONE: 951-696-1600 FAX: 951-304-1536

ARCHITECT
PBK ARCHITECTS, INC.
8163 ROCHESTER AVE., SUITE 100
RANCHO CUCAMONGA, CA 91730
PHONE: 909-987-0909

GOVERNING AGENCIES

DIVISION OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION (DSA/SSS)
10920 VIA FRONTERA, SUITE 300
SAN DIEGO, CA 92127

DIVISION OF THE STATE ARCHITECT
ACCESS COMPLIANCE (DSA/AC)
10920 VIA FRONTERA, SUITE 300
SAN DIEGO, CA 92127

DIVISION OF THE STATE ARCHITECT
FIRE AND LIFE SAFETY SECTION (DSA/FLS)
10920 VIA FRONTERA, SUITE 300
SAN DIEGO, CA 92127

DRAFTING SYMBOL LEGEND & ABBREVIATIONS

DETAIL
10 = DETAIL DESIGNATION
&3 = REFERENCE DRAWING NUMBER

REVISION
3 = REVISION NUMBER

REFERENCE NOTE IDENTIFICATION

CENTER LINES, FLOOR LINES AND LEVEL LINES

SECTION LINES

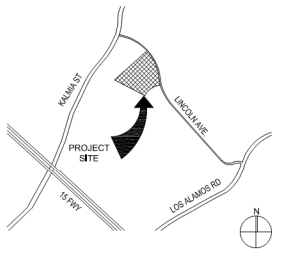
PROPERTY LINES, BOUNDRY LINES AND MATCH LINES

ABBREVIATIONS

&	AND	MISC	MISCELLANEOUS
@	AT	NA	NOT APPLICABLE
CL	CENTERLINE	NTS	NOT TO SCALE
(E)	EXISTING	O/	OVER
(N)	NEW	OC	ON CENTER(S)
#	POUND OR NUMBER	OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
BLDG	BUILDING	OFOI	OWNER FURNISHED-OWNER INSTALLED
EA	EACH	SCHED	SCHEDULE
CL	CHAIN LINK	SHT MTL	SHEET METAL
CLR	CLEAR(ANCE)	SLP	SLOPE
CONC	CONCRETE	STD	STANDARD
CLRM	CLASSROOM	STL	STEEL
DEMO	DEMOLISH, DEMOLITION	TYP	TYPICAL
EJ	EXPANSION JOINT	W/	WITH
GA	GAGE		
GALV	GALVANIZED		

VICINITY MAP

PROJECT ADDRESS:
24515 LINCOLN AVE, MURRIETA, CA 92562



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123359 INC.:
REVIEWED FOR
SS ☑ FLS ☐ ACS ☑
DATE: 03/21/2024

PBK
RANCHO CUCAMONGA
8163 ROCHESTER AVENUE, SUITE 100
RANCHO CUCAMONGA, CA 91730
909-987-0909 P

SHIVELA MIDDLE SCHOOL
SHADE STRUCTURE PLACEMENT
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
24515 LINCOLN AVE.
MURRIETA, CA 92562

LICENSED ARCHITECT — LISA COX — C-29158 — 8/31/25 — STATE OF CALIFORNIA

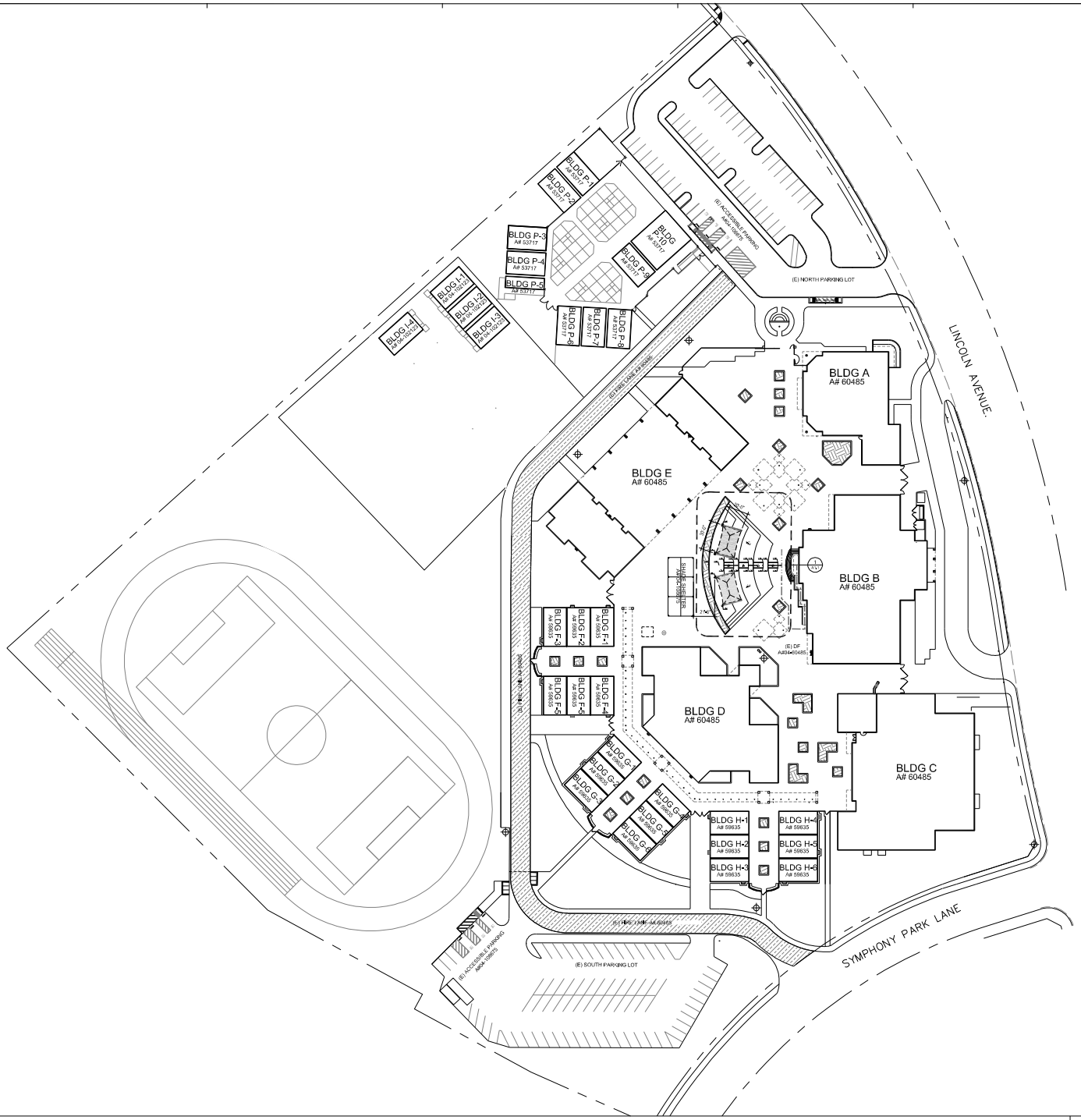
CONSULTANT

NO	DATE	BY	DESCRIPTION
1			REVISIONS

DRAWN: IS | CHECKED: PBK
DATE: 01/10/2024 | SCALE: AS SHOWN
PROJECT NUMBER: 240089

GENERAL NOTES & PROJECT DIRECTORY

DRAWING NUMBER: A0.1



OVERALL SITE PLAN | 1" = 40'-0" | 1

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE 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 NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING 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 SO INDICATED IN THE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF CONSTRUCTION CHANGE DOCUMENT.

(E) P.O.T., A#04-118209
(N) P.O.T.

PATH OF TRAVEL

OCCUPANCY GROUP: E

CONSTRUCTION TYPE: VB

BASIC ALLOWABLE FLOOR AREA: 9,500 SF

ACTUAL FLOOR AREA: 1,200 SF

ALLOWABLE AREA INCREASES: NOT USED

BASIC ALLOWABLE BUILDING HEIGHT / NO OF STORIES: 40 FEET / NO OF STORIES (1)

ACTUAL BUILDING HEIGHT/ NO OF STORIES: 15'FEET/ NO OF STORIES (1)

FIRE SPRINKLER: NONE

CODE ANALYSIS

(E) FIRE LANE 20'-0" MIN CLR, A#60485/04-108675

(N) 20'x30' SHADE STRUCTURE PER P.C. 04-121917

(E) LANDSCAPE

SITE PLAN LEGEND

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123359 INC.
REVIEWED FOR
SS ☑ FLS ☐ ACS ☑
DATE: 03/21/2024

PBK
RANCHO CUCAMONGA
8163 ROCHESTER AVENUE, SUITE 100
RANCHO CUCAMONGA, CA 91730
909-987-0909 P

SHIVELA MIDDLE SCHOOL SHADE STRUCTURE PLACEMENT

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
24515 LINCOLN AVE.
MURRIETA, CA 92562

LICENSED ARCHITECT
USA CDX
C- 29158
Exp 8/2025
STATE OF CALIFORNIA

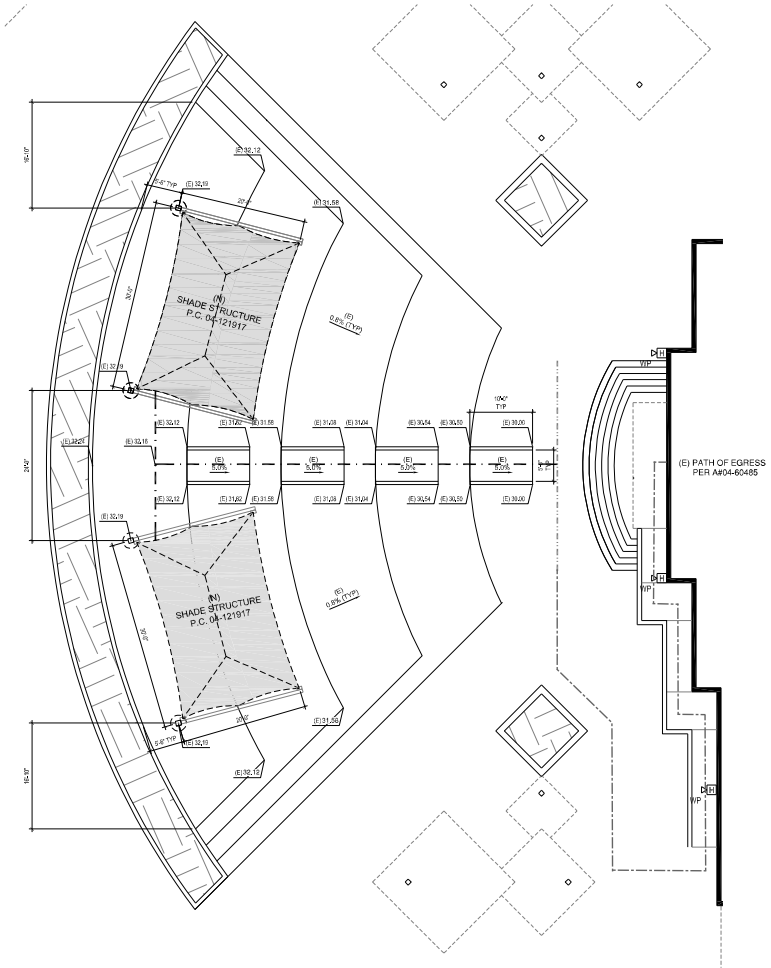
CONSULTANT

NO	DATE	BY	DESCRIPTION
1			REVISIONS

DRAWN: IS	CHECKED: PBK
DATE: 01/10/2024	SCALE: AS SHOWN
PROJECT NUMBER: 240089	

OVERALL SITE PLAN

DRAWING NUMBER: A1.0



ENLARGED FLOOR PLAN | 1/8" = 1'-0" | 1

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE 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 NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING 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 SO INDICATED IN THE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF CONSTRUCTION CHANGE DOCUMENT.

(E) P.O.T. A#04-118209
(N) P.O.T.

PATH OF TRAVEL

(N) 20'x30' SHADE STRUCTURE PER P.C. 04-121917
(E) LANDSCAPE
(E) WEATHERPROOF HORN A#04-60485

SITE PLAN LEGEND

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123359 INC:
REVIEWED FOR
SS ☑ FLS ☐ ACS ☑
DATE: 03/21/2024

PBK
RANCHO CUCAMONGA
8163 ROCHESTER AVENUE, SUITE 100
RANCHO CUCAMONGA, CA 91730
909-987-0909 P

SHIVELA MIDDLE SCHOOL
SHADE STRUCTURE PLACEMENT
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
24515 LINCOLN AVE.
MURRIETA, CA 92562

LICENSED ARCHITECT
LISA COX
C-29158
03/31/25
STATE OF CALIFORNIA

CONSULTANT

NO	DATE	BY	DESCRIPTION
1			REVISIONS

DRAWN: IS	CHECKED: PBK
DATE: 01/10/2024	SCALE: AS SHOWN
PROJECT NUMBER: 240089	

ENLARGED FLOOR PLAN

DRAWING NUMBER: A1.1

USASHADE & Fabric Structures, Inc.

FABRIC SHADE STRUCTURE

DSA P.C. 04-121917

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
3. SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.
4. PRIOR TO SUBMITTAL ARCHITECT OF RECORD SHALL IDENTIFY PC MODEL(S) SELECTED BY DSA USER ON SHEETS T-2.0 AND T-2.2 BY CHECKING THE APPROPRIATE BOX ASSOCIATED WITH SELECTED PC MODEL(S). EXCLUDE SHEETS FOR MODELS NOT SELECTED.

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

1. COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. NUMBER, AND SPECIFIC USE OF THE SHADE STRUCTURE(S).
2. PROVIDE A CODE ANALYSIS, INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTION (V-B). INDICATE OCCUPANT LOAD FACTOR (2022 CBC, SECTION 1004).
3. ACTUAL DIMENSIONS OF SHADE STRUCTURES.
4. DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTUAL PROPERTY LINES.
5. INDICATE LOCATIONS OF FIRE EXTINGUISHERS WITHIN 75 FEET.
6. SHOW LOCATION OF AUDIBLE FIRE ALARM.
7. ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPECIFIED IN APPENDICES "A, B & C", RESPECTIVELY, IN ASCE/SEI 19-16, "STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS."
8. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORTS REQUIREMENTS SHALL COMPLY WITH DSA IR A-4.
9. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED FIRE HAZARD SEVERITY ZONE OR WILDLAND-URBAN INTERFACE AREA.

FOR SNOW LOAD MODELS ONLY:

10. INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE, MINIMUM DIMENSION OF 20'-7" FOR SNOW LOAD MODEL (ASCE 7-16).
11. ACTUAL SITE ELEVATION (FEET) TO DETERMINE IF THE SITE OCCURS AT OR BELOW THE UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16.

P.C. NOTES

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

LIST OF APPLICABLE CODES:

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
- 2022 CALIFORNIA ELECTRICAL CODE (CEC) , PART 3, TITLE 24 C.C.R.
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
- 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS:

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

APPLICABLE CODES

SITE SPECIFIC PARAMETERS

INSTRUCTIONS: DESIGN PROFESSIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE

SEISMIC

- ☐ DESIGN BASED ON SITE CLASS $D_{default}$
  NO GEOTECHNICAL INVESTIGATION REQUIRED
  S_s = 1.078 ; F_a = 1.2
- ☐ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
  GEOTECHNICAL INVESTIGATION PROVIDED
  SITE CLASS: ☐ C ☒ D
  S_s = ____ ; F_a = ____ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1
- ☐ DESIGN BASED ON SITE CLASS SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
  SHORT PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS}, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
  CGS APPROVAL REQUIRED
  NOT ELIGIBLE FOR OTC REVIEW
  SITE CLASS: ☐ C ☐ D

S_{DS} = 2/3 F_a S_s = 1.08 ; > 0.9
I_E = 1.0 USED IN DESIGN
SEISMIC DESIGN CATEGORY: ☒ D ☐ E

CODE ANALYSIS

OCCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTURE AREA (FT)
REFER TO SHEET A1.0 OVERALL SITE PLAN			

SITE SPECIFIC PARAMETERS

MANUFACTURER:

USA SHADE & FABRIC STRUCTURES
2580 ESTERS BOULEVARD, SUITE 100
DFW AIRPORT, TEXAS 75261
PH. 800-966-5005
W. www.usa-shade.com

ARCHITECT:

HIGGINSON ARCHITECTS, INC.
DAVID HIGGINSON, AIA, PRINCIPAL ARCHITECT
34247 YUCAIPA BOULEVARD, SUITE D
YUCAIPA, CALIFORNIA 92399
PH. 909-499-0058
E. dhigginson@higginsonarchitects.com
W. www.higginsonarchitects.com

LICENSED ARCHITECT C19168 10-31-25 STATE OF CALIFORNIA

STRUCTURAL ENGINEER:

MARK LOWE, S.E.
c/o USA SHADE AND FABRIC STRUCTURES

REGISTERED PROFESSIONAL ENGINEER Mark Lowe No. 3693 STATE OF CALIFORNIA

ARCHITECT / ENGINEER

✓	SHEET NO.	SHEET DESCRIPTION	UNIT STRUCTURE TYPE	MAX. UNIT SIZE	UNIT MODEL NUMBER
X	T-1.0	TITLE SHEET			
X	T-2.0	UNIT SELECTION			
X	T-3.0	T&I FORMS			
	1.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 15'	DSA401203022
	1.2-2000	REACTIONS	HIP	20' x 30' x 15'	DSA401203022
	2.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 15'	DSA401303022
	2.2-2000	REACTIONS	HIP	30' x 30' x 15'	DSA401303022
	3.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 15'	DSA401304022
	3.2-2000	REACTIONS	HIP	30' x 40' x 15'	DSA401304022
	4.1-1000	PRODUCT INFORMATION	HIP	40' x 40' x 15'	DSA401404022
	4.2-2000	REACTIONS	HIP	40' x 40' x 15'	DSA401404022
	5.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 12'	DSA401203012-22
	5.2-2000	REACTIONS	HIP	20' x 30' x 12'	DSA401203012-22
	6.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 12'	DSA401303012-22
	6.2-2000	REACTIONS	HIP	30' x 30' x 12'	DSA401303012-22
	7.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 12'	DSA401304012-22
	7.2-2000	REACTIONS	HIP	30' x 40' x 12'	DSA401304012-22
	8.1-1000	PRODUCT INFORMATION	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22
	8.2-2000	REACTIONS	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22
	9.1-1000	PRODUCT INFORMATION	JOINED HIPS	VARIES	DSA401-22
	9.2-1001	DETAILS	JOINED HIPS	VARIES	DSA401-22
	9.3-2000	REACTIONS	JOINED HIPS	VARIES	DSA401-22
	10.1-1000	PRODUCT INFORMATION	QUAD JOINED HIPS	VARIES	DSA4010-22
	10.2-1001	DETAILS	QUAD JOINED HIPS	VARIES	DSA4010-22
	10.3-2000	REACTIONS	QUAD JOINED HIPS	VARIES	DSA4010-22
X	11.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA202203022
X	11.2-2000	REACTIONS	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA202203022
	12.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP JOINED	20' x 200' x 15'	DSA302206022
	12.2-2000	REACTIONS	FULL CANTILEVER HIP JOINED	20' x 200' x 15'	DSA302206022
	13.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-22
	13.2-2000	REACTIONS	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-22
	14.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-22
	14.2-2000	REACTIONS	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-22
	15.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-22
	15.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-22
	16.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12'	DSA1242020-22
	16.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12'	DSA1242020-22
	17.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 30' x 15'	DSA4073030-22
	17.2-0000	REACTIONS	MARINER PEAK	30' x 30' x 15'	DSA4073030-22
	18.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 40' x 18'	DSA4073040-22
	18.2-2000	REACTIONS	MARINER PEAK	30' x 40' x 18'	DSA4073040-22
	19.1-1000	PRODUCT INFORMATION	MARINER PEAK JOINED	30' x 133' x 15'	DSA4073066-22
	19.2-2000	REACTIONS	MARINER PEAK JOINED	30' x 133' x 15'	DSA4073066-22
	20.1-1000	PRODUCT INFORMATION	MARINER PEAK QUAD	60' x 60' x 15'	DSA407Q606-22
	20.2-2000	REACTIONS	MARINER PEAK QUAD	60' x 60' x 15'	DSA407Q606-22
	21.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22
	21.2-2000	REACTIONS	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22
	22.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052066-22
	22.2-2000	REACTIONS	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052066-22
	23.1-1000	PRODUCT INFORMATION	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA3073022
	23.2-2000	REACTIONS	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA3073022
	24.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182022
	24.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182022
	25.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183033-22
	25.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183033-22
	26.1-1000	PRODUCT INFORMATION	TRIANGLE	25' x 25' x 15'	DSA30125-22
	26.2-2000	REACTIONS	TRIANGLE	25' x 25' x 15'	DSA30125-22
	27.1-1000	PRODUCT INFORMATION	TRIANGLE	40' x 40' x 15'	DSA30140-22
	27.2-2000	REACTIONS	TRIANGLE	40' x 40' x 15'	DSA30140-22
	28.1-1000	PRODUCT INFORMATION	HEXAGON	Ø40' X 15'	DSA60340-22
	28.2-2000	REACTIONS	HEXAGON	Ø40' X 15'	DSA60340-22
	29.1-1000	PRODUCT INFORMATION	HEXAGON	Ø60' X 15'	DSA60360-22
	29.2-2000	REACTIONS	HEXAGON	Ø60' X 15'	DSA60360-22

TOTAL SHEET COUNT: 63 SHEETS

SHEET INDEX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123359 INC:
REVIEWED FOR
SS ☑ FLS ☐ ACS ☑
DATE: 03/21/2024

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800•966•5005

CERTIFICATIONS:
IAS CERTIFICATION No. FI-128
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA) 355

CUSTOMER:
Murrieta Valley U.S.D.

PROJECT NAME:
Shivela Middle School

LOCATION:
24515 Lincoln Ave
Murrieta, CA 92562

MODEL NUMBER:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121917 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☒ CG ☐
DATE: 10/30/2023

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:
D

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

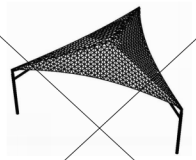
Eng. By :	DWH	2/14/23
Design By :	DWH	2/14/23
Approved By :	DWH	2/14/23

DRAWING DESCRIPTION:

DWG.
TITLE SHEET

SHEET
T-1.0

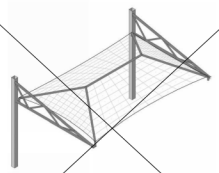
REV.



STRUCTURE MODEL:	DSA301225x22	
MAX. SIZE:	25' x 25' x 12'	
MAX. AREA:	371 SQ. FT.	
MAX. OCCUPANCY:	16 PERSONS	SEE SHEET 26,1x1000
STRUCTURE MODEL:	DSA301640x22	
MAX. SIZE:	40' x 40' x 16'	
MAX. AREA:	602 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 27,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

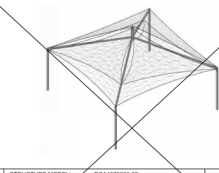
TRIANGLE



STRUCTURE MODEL:	DSA206203x22	
MAX. SIZE:	20' x 20' x 15'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 21,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

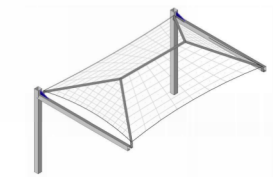
TRI-TRUSS HIP SINGLE WIDE



STRUCTURE MODEL:	DSA407203x22	
MAX. SIZE:	40' x 20' x 15'	
MAX. AREA:	800 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 17,1x1000
STRUCTURE MODEL:	DSA407204x22	
MAX. SIZE:	40' x 40' x 15'	
MAX. AREA:	1,200 SQ. FT.	
MAX. OCCUPANCY:	60 PERSONS	SEE SHEET 19,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

MARINER PEAK



X

STRUCTURE MODEL:	DSA202203x22	
MAX. SIZE:	20' x 20' x 17'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 11,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

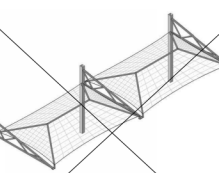
FULL CANTILEVER HIP SINGLE



STRUCTURE MODEL:	DSA603040x22	
MAX. SIZE:	60' x 15'	
MAX. AREA:	1,040 SQ. FT.	
MAX. OCCUPANCY:	60 PERSONS	SEE SHEET 28,1x1000
STRUCTURE MODEL:	DSA603360x22	
MAX. SIZE:	60' x 60' x 15'	
MAX. AREA:	2,556 SQ. FT.	
MAX. OCCUPANCY:	150 PERSONS	SEE SHEET 29,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

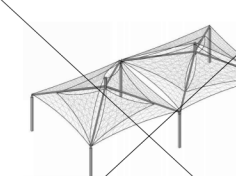
HEXAGON



STRUCTURE MODEL:	DSA305206x22	
MAX. SIZE:	30' x 20' x 15'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 22,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

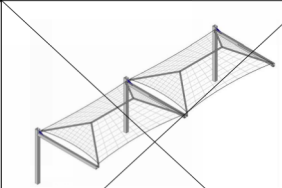
TRI-TRUSS HIP JOINED



STRUCTURE MODEL:	DSA407206x22	
MAX. SIZE:	40' x 20' x 15'	
MAX. AREA:	800 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 18,1x1000
STRUCTURE MODEL:	DSA407209x22	
MAX. SIZE:	40' x 40' x 15'	
MAX. AREA:	1,600 SQ. FT.	
MAX. OCCUPANCY:	80 PERSONS	SEE SHEET 19,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

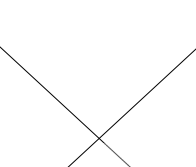
MARINER PEAK JOINED



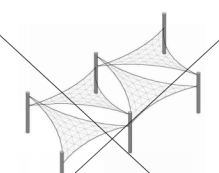
STRUCTURE MODEL:	DSA302206x22	
MAX. SIZE:	30' x 20' x 15'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 12,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

FULL CANTILEVER HIP JOINED



NOT USED



STRUCTURE MODEL:	DSA307204x22	
MAX. SIZE:	30' x 40' x 15'	
MAX. AREA:	1,080 SQ. FT.	
MAX. OCCUPANCY:	60 PERSONS	SEE SHEET 23,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

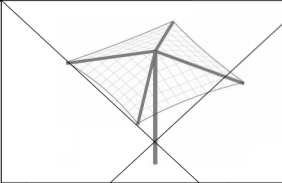
TENSIONS SAILS THREE-POINT



STRUCTURE MODEL:	DSA407206x22	
MAX. SIZE:	40' x 60' x 15'	
MAX. AREA:	1,660 SQ. FT.	
MAX. OCCUPANCY:	240 PERSONS	SEE SHEET 20,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

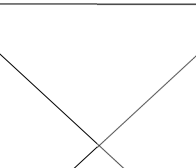
MARINER PEAK QUAD



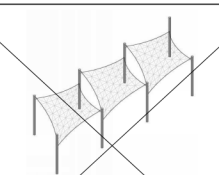
STRUCTURE MODEL:	DSA103414x22	
MAX. SIZE:	14' x 14' x 12'	
MAX. AREA:	194 SQ. FT.	
MAX. OCCUPANCY:	13 PERSONS	SEE SHEET 13,1x1000
STRUCTURE MODEL:	DSA103320x22	
MAX. SIZE:	20' x 20' x 12'	
MAX. AREA:	400 SQ. FT.	
MAX. OCCUPANCY:	26 PERSONS	SEE SHEET 14,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

SINGLE POST PYRAMID



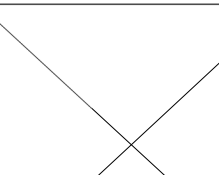
NOT USED



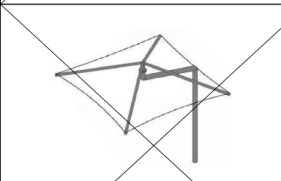
STRUCTURE MODEL:	DSA416220x22	
MAX. SIZE:	40' x 220' x 15'	
MAX. AREA:	1,660 SQ. FT.	
MAX. OCCUPANCY:	240 PERSONS	SEE SHEET 24,1x1000
STRUCTURE MODEL:	DSA416330x22	
MAX. SIZE:	30' x 110' x 15'	
MAX. AREA:	3,080 SQ. FT.	
MAX. OCCUPANCY:	280 PERSONS	SEE SHEET 25,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

TENSIONS SAILS FOUR-POINT



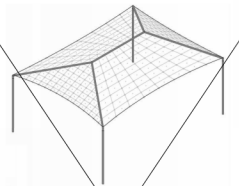
NOT USED



STRUCTURE MODEL:	DSA124141x22	
MAX. SIZE:	14' x 14' x 12'	
MAX. AREA:	194 SQ. FT.	
MAX. OCCUPANCY:	13 PERSONS	SEE SHEET 15,1x1000
STRUCTURE MODEL:	DSA124202x22	
MAX. SIZE:	20' x 20' x 12'	
MAX. AREA:	400 SQ. FT.	
MAX. OCCUPANCY:	26 PERSONS	SEE SHEET 16,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

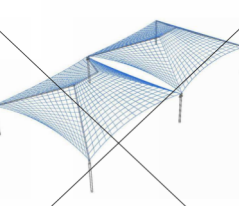
SINGLE POST PYRAMID CANTILEVER



STRUCTURE MODEL:	DSA401303x22	
MAX. SIZE:	20' x 20' x 17'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 1,1x1000
STRUCTURE MODEL:	DSA401306x22	
MAX. SIZE:	30' x 20' x 17'	
MAX. AREA:	900 SQ. FT.	
MAX. OCCUPANCY:	60 PERSONS	SEE SHEET 2,1x1000
STRUCTURE MODEL:	DSA401308x22	
MAX. SIZE:	20' x 40' x 17'	
MAX. AREA:	1,200 SQ. FT.	
MAX. OCCUPANCY:	80 PERSONS	SEE SHEET 3,1x1000
STRUCTURE MODEL:	DSA401203012x22	
MAX. SIZE:	20' x 30' x 17'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 4,1x1000
STRUCTURE MODEL:	DSA401303012x22	
MAX. SIZE:	30' x 30' x 17'	
MAX. AREA:	900 SQ. FT.	
MAX. OCCUPANCY:	60 PERSONS	SEE SHEET 5,1x1000
STRUCTURE MODEL:	DSA401304012x22	
MAX. SIZE:	30' x 40' x 17'	
MAX. AREA:	1,200 SQ. FT.	
MAX. OCCUPANCY:	80 PERSONS	SEE SHEET 6,1x1000
STRUCTURE MODEL:	DSA401404012x22	
MAX. SIZE:	40' x 40' x 17'	
MAX. AREA:	1,600 SQ. FT.	
MAX. OCCUPANCY:	106 PERSONS	SEE SHEET 7,1x1000
STRUCTURE MODEL:	DSA401520304x22 (20 psf SNOW LOAD)	
MAX. SIZE:	20' x 30' x 15'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	SEE SHEET 8,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

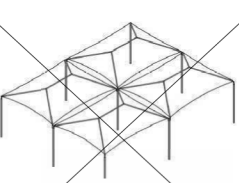
HIP



STRUCTURE MODEL:	DSA401Jx22	
MAX. SIZE:	VARIES, SEE JOINED HIP UNIT SHEET	
MAX. AREA:	VARIES	
MAX. OCCUPANCY:	VARIES	SEE SHEET 9,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

JOINED HIP



STRUCTURE MODEL:	DSA401Qx22	
MAX. SIZE:	VARIES, SEE QUAD HIP UNIT SHEET	
MAX. AREA:	VARIES	
MAX. OCCUPANCY:	VARIES	SEE SHEET 10,1x1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3,0 & PC T-4,0

QUAD HIP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123359 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/21/2024

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-4428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Murrieta Valley U.S.D.

PROJECT NAME:
Shivela Middle School

LOCATION:
24515 Lincoln Ave
Murrieta, CA 92562

MODEL NUMBER:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121917 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ OG ☐
DATE: 10/30/2023

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:
D

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

Eng. By :	DWH	2/14/23
Design By :	DWH	2/14/23
Approved By :	DWH	2/14/23

DRAWING DESCRIPTION:

DWG. UNIT SELECTION

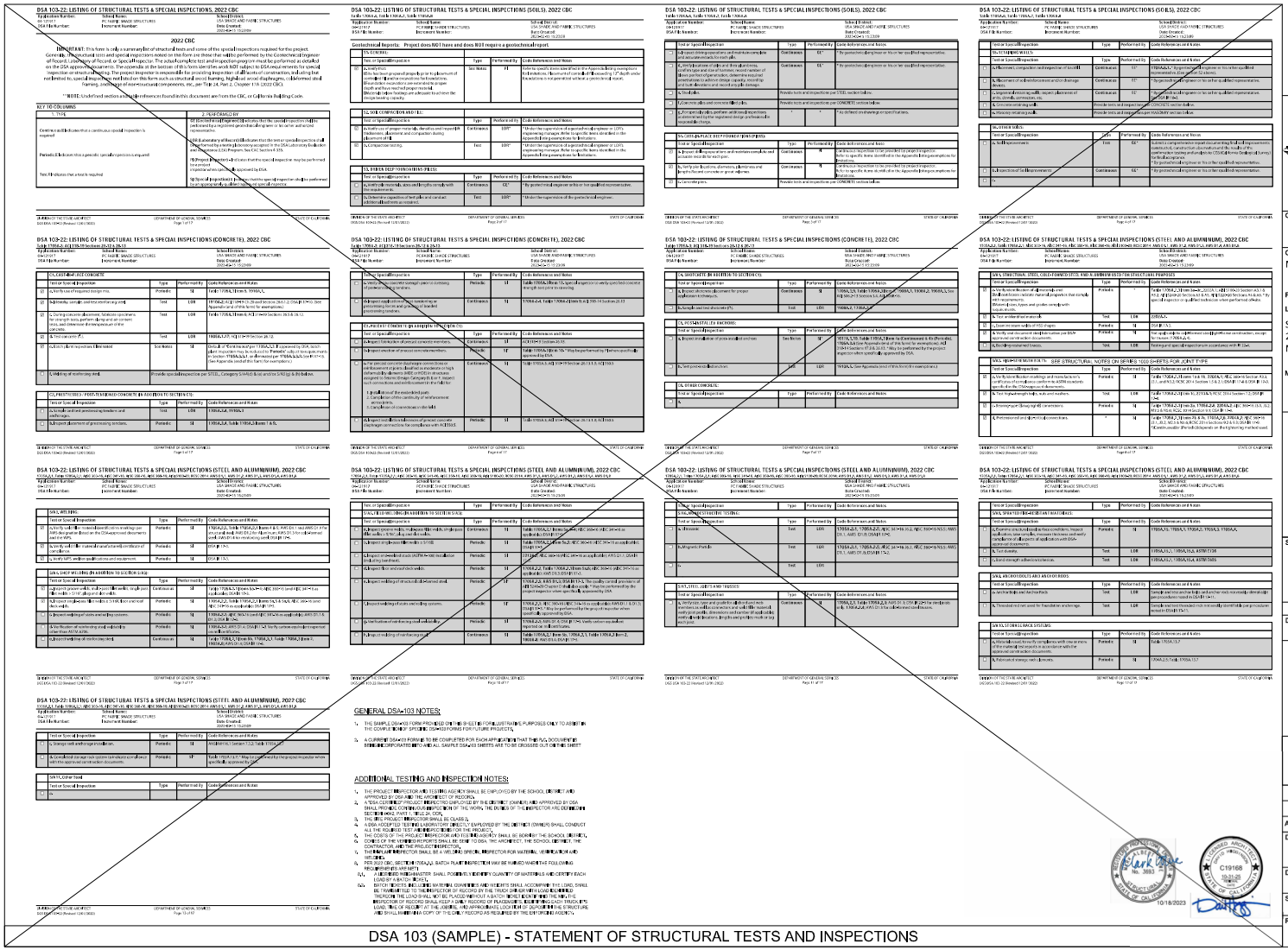
SHEET T-2.0

REV.

Clark Pacific No. 3693 — 10/18/2023

Licensed Architect — C19168 — 10-31-25 — State of California

Dan Pfeiffer



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123359 INC.
REVIEWED FOR
SS ☑ FLS ☐ ACS ☑
DATE: 03/21/2024

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
DIR CERTIFICATION #: 1000004428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (MP/ADA): 356

CUSTOMER:
Murrieta Valley U.S.D.

PROJECT NAME:

LOCATION:
Shivela Middle School
24515 Lincoln Ave
Murrieta, CA 92562

MODEL NUMBER:

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-123197 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 10/30/2023

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code‡ 2022 CBC
A separate project application for construction is required.

Eng. By :	DWH	2/14/23
Design By :	DWH	2/14/23
Approved By :	DWH	2/14/23

DRAWING DESCRIPTION:

DWG.
T&I FORMS

SHEET
T-3.0

REV.

10/18/2023

GENERAL NOTES

1.- SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & I LIST) APPROVED BY DSA, THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING. UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2022 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION.

2.- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING.

3.- FOUNDATION DESIGN BASED ON CBC 2022, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF).

4.- DESIGN PER FOLLOWING CODES: CBC 2022 (CHAPTER 35), ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-19, ASCE 55-16 & ASCE 19-16

STRUCTURAL STEEL

1.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2022 SECTIONS 1704A, 1705A, 1706A.2, AND TABLE 1705A.2.1.

2.- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES.

3.- ALL WORK SHALL CONFORM TO CBC 2022 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

4.- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500-16 GRADE C, INTS' UNTIRELTY.
TYPICAL MECHANICAL PROPERTIES ARE:
ROUND TUBE GRADE C 46,000 PSI YIELD STRESS MINIMUM / 62,000 PSI TENSILE STRESS MINIMUM

5.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS PRODUCTS:
SQUARE AND RECTANGULAR 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS
ROUND PIPE 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS

6.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.

7.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

8.- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWSCWI INSPECTOR, AWS D1.1 FOR HOT ROLLED, AWS D1.3 FOR SHEET/COLD FORMED, AWS D1.8 SEISMIC SUPPLEMENT.

9.- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8.

10.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE, ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" ERX50X ELECTRODES UNLESS OTHERWISE NOTED, GMAW IS ACCEPTABLE.

11.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 65 KSI, TENSILE STRENGTH=100 KSI MINIMUM, ALLOY GROUP 2, CONDITION CW1, ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 2, CONDITION CW1, REFERRING TO RCSC, ASTM F-593 IS NOT CONSIDERED AS HIGH STRENGTH BOLTS, BOLTS ITEM 11, SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST).

12.- ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM F3125 GRADE A325 N (GALVANIZED), ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436, HIGH STRENGTH BOLTS, ITEM 15, SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST) WITH DOUBLE NUTS. ALL NUTS SHALL BE LUBRICATED WITH A LUBRICANT CONTAINING A VISIBLE DYE SO A VISUAL CHECK CAN BE MADE FOR THE LUBRICANT AT THE TIME OF THE FIELD INSTALLATION. WASHERS SHALL BE GALVANIZED PER ASTM F2329.

13.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASHO NOBEL, PPG OR TIGER DRYLUG), TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING, POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:
- PENCIL HARDNESS (ASTM D-3363); - HUMIDITY (ASTM D-2247),
- SOLVENT RESISTANCE (RT METHOD) - 50 DBL RUBS SL. SOFTNESS.

14.- ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

15.- ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329) AS APPLICABLE, OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

CONCRETE SPECIFICATION

1.- CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2022 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.

2.- CONCRETE TO BE F'c= 4500 PSI TYPE V CEMENT PLUS POZZOLAN OR SLAG CEMENT, MAXIMUM WATER/CEMENT RATIO OF 0.45, PER ACI 318-19 CHAPTER 19, (NO ADMIXTURES CONTAINING CALCIUM CHLORIDE WILL BE USED), REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60, TO HAVE Fy= 60000 PSI , MIN. GR. 60, ALSO COATED ACCORDING TO ASTM A767/ A767M, STANDARD SPECIFICATION FOR ZINC-COATING (GALVANIZED) STEEL BARS FOR CONCRETE REINFORCEMENT.

3.- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 36 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329).
ANCHOR BOLTS DIAMETER NEEDS TO BE AS FOLLOW:
A) ANCHOR BOLT Ø1 1/4"

4.- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT.

5.- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.

6.- CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3.

FABRIC SPECIFICATION

1.- FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD., WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS, MINIMUM SEAM LENGTH 3/4".

2.- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NW LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.

3.- PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOLS DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT TO DSA.

4.- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST, FLAME SPREAD INDEX (FSI) 10, SMOKE DEVELOPED INDEX (SDI) 30. FABRIC IS ACCEPTABLE FOR USE IN A LIFE URBAN INTERFACE AREA.

5.- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED. FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.

6.- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO REINSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

AIRCRAFT CABLE

1.- FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023/A1023M, WITH A BREAKING STRENGTH VALUE OF 14,400 LBS, CABLE SHALL BE TENSIONED TO 300 LBS MINIMUM AND 500 LBS MAXIMUM. THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS SM=4,009 LB.

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

MAXIMUM OCCUPANT LOAD (PER CBC 2022 TABLE 1604A.5)
-A-13: 250 PERSONS
-PUBLIC ASSEMBLY: 300 PERSONS
-EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE: 500 PERSONS

CBC PC DESIGN NOTES

BUILDING CODE	CBC 2022 (BASED ON IBC 2021)	
FLOOR LIVE LOAD	N/A	
ROOF LIVE LOAD	RLL	5 PSF
ALLOWABLE SOIL PRESSURE:		
DL + LL (CONC FTG)		1500 PSF
DL + LL + SEISMIC (CONC FTG)		1500 PSF
LATERAL BEARING DESIGN VALUE		100 PSF/FT BELOW NATURAL GRADE, PER TABLE 1806A.2

TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT)
PER CBC SECTION 1806A.3.4,
ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM
BASED ON SECTION 1810A.3.3.1.4 (ONE-SIXTH OF THE BEARING VALUE).
UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.

ROOF SNOW LOAD	S	5 PSF
ICE LOAD		ZERO PSF
FLOOD HAZARD AREA:		ZONE X

WHEN A SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

WIND DESIGN DIRECTIONAL PROCEDURE: ASCE 7-16, SECTION 27.3.2
NOTE: WIND DESIGN IS LIMITED TO UNOBSTRUCTED CLEAR FLOW CONDITION

-BASIC DESIGN WIND SPEED (3 SEC GUST),	V	115 MPH
-ASD WIND LOAD (CBC 2022 SEC. 1603A.1.4)	V_{ASD}	90 MPH
-WIND EXPOSURE FACTOR	C	B
-TOPOGRAPHIC FACTOR	Kzt	1
-RISK CATEGORY	II	
-VELOCITY PRESSURE EXPOSURE COEFFICIENT	Kz	0,88
-VELOCITY PRESSURE	qz	25.32 PSF

SEISMIC DESIGN:

-SITE CLASS	D	
NOTE: UNLESS A SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED, THE SMT VALUE INCREASED BY 50% SHALL BE LESS THAN THE DESIGN CRITERIA STATED HEREIN.		
-SPECTRAL RESPONSE COEFFICIENTS	SS	3,00g
	S1	1.399g
	SDS	2,00
	SD1	1,39

-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY CANTILEVERED COLUMN SYSTEM

-SEISMIC IMPORTANCE FACTOR	Ie	1,0
-DESIGN BASE SHEAR AT BASE	V	6866 LB
-SEISMIC RESPONSE COEFFICIENTS	Cs	1,5
-RESPONSE MODIFICATION FACTOR	R	1,25
-ANALYSIS PROCEDURE		EQUIVALENT LATERAL FORCE
-RISK CATEGORY		II
-SEISMIC DESIGN CATEGORY		E
-SITE COEFFICIENT CATEGORY	Fa	1,2
	Fv	1,5
-REDUNDANCY FACTOR	ρ	1,3

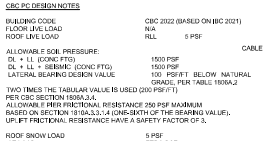
GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC STRUCTURES 1,600 SQF OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4 SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQUARE FEET UP TO A MAXIMUM OF 4,000 SQUARE FEET AND COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1 DO NOT REQUIRE A GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION POTENTIAL EXISTS.

ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE, GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

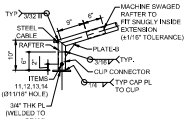
PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PREDESIGNED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 11'-2" THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT IS REQUIRED.

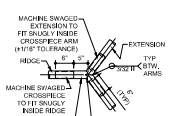
MINIMUM CLASS 2 PROJECT INSPECTOR REQUIRED.



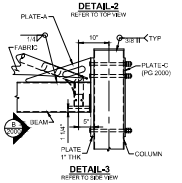
DETAIL-1
REFER TO TOP VIEW



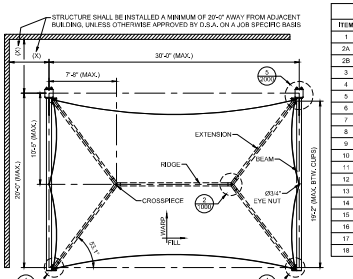
VIEW-A
REFER TO DETAIL-1

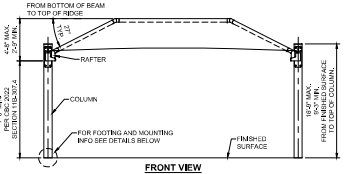


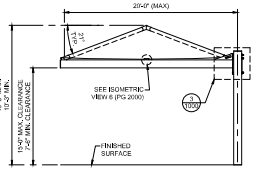
DETAIL-2
REFER TO TOP VIEW



DETAIL-3
REFER TO SIDE VIEW

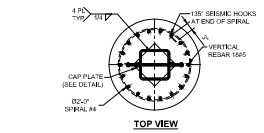


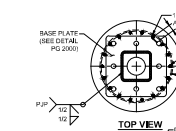


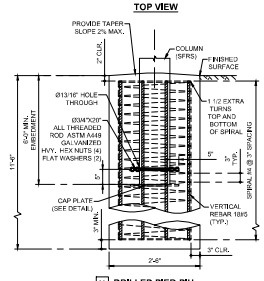


LIST OF MATERIALS

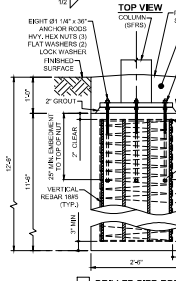
ITEM	QTY	DESCRIPTION	MATERIAL
1	2	COLUMN	HSS 10 x 10 x 0.625
2A	1	BEAM LEFT	HSS 10 x 8 x 0.375
2B	1	BEAM RIGHT	HSS 10 x 8 x 0.375
3	4	CUP CONNECTOR (6" LG)	HSS 4.0 x 0.25
4	4	RAFTER (GALVANIZED STEEL TUBE)	4.50 GA 7 RD. TUBE (HSS 4.5 x 0.188)
5	4	EXTENSION (GALVANIZED STEEL TUBE)	4.50 GA 7 RD. TUBE (HSS 4.5 x 0.188)
6	2	CROSSPIECE (GALVANIZED STEEL TUBE)	4.50 GA 7 RD. TUBE (HSS 4.5 x 0.188)
7	1	RIDGE	4.50 GA 7 RD. TUBE (HSS 4.5 x 0.188)
8	1	FABRIC TOP	FR COLOURSHADE 190/5
9	1	Ø3/8" CABLE	GALVANIZED STEEL
10	4	Ø3/8" CABLE CLAMP	GALVANIZED STEEL
11	4	Ø5/8"-11NC x 6" HEX BOLT (ST)	316 SS
12	4	Ø5/8"-11NC HEX NUT	316 SS
13	8	Ø5/8" FLAT WASHER	316 SS
14	4	Ø5/8" SPLIT LOCK WASHER	316 SS
15	12	Ø1"-8NC x 14 1/2" HEX BOLT (ST)	ASTM F3125 GRADE A325, GALVANIZED
16	24	Ø1"-8NC HEX NUT	ASTM A563 GALVANIZED
17	12	Ø1" SPLIT LOCK WASHER	ASTM F436 GALVANIZED
18	24	Ø1" FLAT WASHER	ASTM F436 GALVANIZED



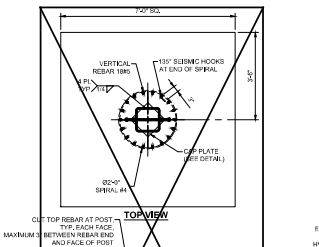




DRILLED PIER-PIH
(EMBEDDED, TIH)
(USE FOR NON-CONSTRAINED CASES)

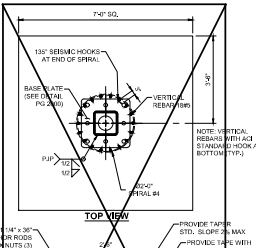


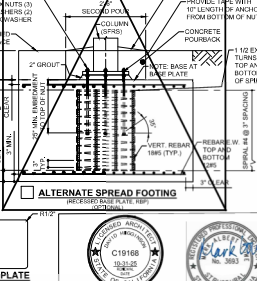
DRILLED PIER-RBP
(RECESSED BASE PLATE, RBP)
(USE FOR NON-CONSTRAINED CASES)
(OPTIONAL)



ALTERNATE SPREAD FOOTING
(RECESSED BASE PLATE, RBP)
(OPTIONAL)

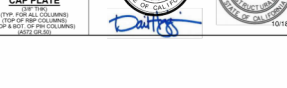
NOTE: THE MINIMUM CLEARANCE REQUIRED BETWEEN DRILLED PIERS WHEN PLACING MULTIPLE OPEN FABRIC SHADE STRUCTURES ADJACENT TO EACH OTHER, FROM CENTER TO CENTER, IS THREE TIMES THE LEAST HORIZONTAL DIMENSION OF THE PIER PER CBC 2022 SEC. 1810A.2.5.





ALTERNATE SPREAD FOOTING
(RECESSED BASE PLATE, RBP)
(OPTIONAL)





IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123359 INC:
REVIEWED FOR
SS ☑ FLS ☐ ACS ☑
DATE: 03/21/2024

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Murrieta Valley U.S.D.

PROJECT NAME:
Shivela Middle School

LOCATION:
24515 Lincoln Ave
Murrieta, CA 92562

MODEL NUMBER:
DSA2022030-22

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121917 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CL ☐
DATE: 10/30/2023

STRUCTURE TYPE:
FULL CANTILEVER HIP SINGLE - DSA

SIZE: MAXIMUM
20' x 30' x 15'e MAX.

SCALE : NONE

DRAWING SIZE:
D

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

Eng. By :	HH	12/01/22
Design By :	OS	12/01/22
Approved By :	MB	12/01/22

DRAWING DESCRIPTION:
PRODUCT INFORMATION

DWG.
DSA2022030-22

SHEET
11.1-1000

REV.
NC

10/18/2023

Multiknit INTERNATIONAL

190/F5 Fire rated specifications

Standard range

Revision 0 28-Oct-12

Colour	Shade %	UV Block %	Average GSM	Average Warp break strength kgs	Average Elongation %	Average Weft break strength kgs	Average Elongation %	Average Burst Kpa	Average Burst to Mass ratio
Desert Sand	80	92	185	50	40	72	73	156	0.84
Blue	80	85	185	50	40	72	73	156	0.84
Brown	85		185	50	40	72	73	156	0.84
Green	80	85	185	50	40	72	73	156	0.84
Red	80	86	185	50	40	72	73	156	0.84
Silver	80	81	185	50	40	72	73	156	0.84
Terracotta	75	82	185	50	40	72	73	156	0.84
Yellow	80	89	185	50	40	72	73	156	0.84
				110 LB		159 LB		3258 PSF	

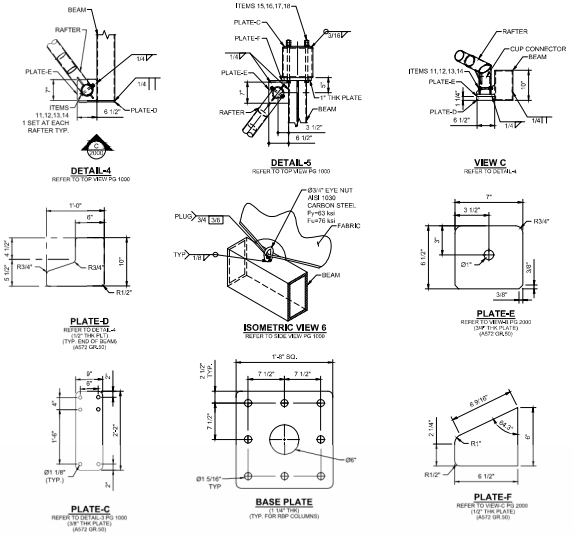
CONVERSION TO IMPERIAL UNITS:
185 GSM = .0378 psf
50 KGS = 110 Lb
72 KGS = 159 Lb
156 Kpa = 3258 psf

Notes:
- 190/F5 conforms to The California State Fire Marshal Title 19 Test for Small scale Fabrics
- Tear tests are done using a 50mm wide strip and a cross head speed of 500mm/min
- This report has been compiled using the mean results from all tests conducted on the given sample by our Quality Control Laboratory. the information provided is considered to be a good reflection of the relevant properties of the fabric tested. These results must only be used as an indication of the quality and characteristics of the fabric tested.
- Company cannot be held responsible or liable in any way whatsoever should this information differ to that of a registered testing institution.

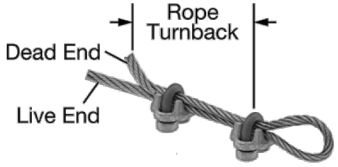
pp

Deon Joubert
General Manager - Multiknit (Pty) Ltd

Tommy Rogers
Managing Director - Multiknit (Pty) Ltd

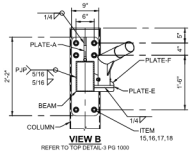






FORGED WIRE ROPE CLAMP

FITTING TYPE ROPE CLAMP
FABRICATION: FORGED
MATERIAL: GALVANIZED STEEL
FOR WIRE ROPE DIAMETER 3/8"
NUMBER OF CLAMPS REQUIRED: 2
ROPE TURNBACK: 6 1/2"
FOR WIRE ROPE CONSTRUCTION 7 x 19
ATTACHMENT TYPE: LOOP
CLAMP WIDTH 2", HEIGHT 1 15/16", THICKNESS 1 11/16"
REQUIRED INSTALLATION TOOL TORQUE WRENCH
REQUIRED TORQUE 45 FT.-LBS.
CAPACITY 80% OF THE ROPE'S CAPACITY
SPECIFICATIONS MET ASME B30.26, FED. SPEC. FF-C-450



VIEW B
REFER TO TOP DETAIL-3 PG 1000

Aircraft Cable

Preformed, made in accordance with commercial specifications military and federal specification rope available.

Carbon Steel (Aircraft Cable) - Galvanized cable has the highest strength and greatest fatigue life of the materials offered. It has good to fair corrosion resistance in rural to industrial atmosphere environments. This material is most widely used for small diameter cables. Tin over galvanized cable offers greater corrosion resistance and reduced friction over pulleys.


7 x 19

7 x 19 Dia. (In)	Approx. Wt 1000 Ft/lbs	Galvanized Min. Breaking Strengths (lbs)
3/32	17.	1,000
1/8	29.	2,000
5/32	45.	2,800
3/16	65.	4,200
7/32	86.	5,600
1/4	110.	7,000
9/32	139.	8,000
5/16	173.	9,800
3/8	243.	14,400

FLAME RETARDANT

Fabric Registration

LICENSE NUMBER: F-052001

COLOURSHADE 190/F5

Product Marketed by:
MULTIKNIT (PTY) LTD
BOX 798 WHITE RIVER 1240
MPUMALANGA SOUTH AFRICA, .

Issue Date : 05/08/2023
Expiration Date : 06/30/2024

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code. The product is registered effective the date indicated and will remain listed within 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.gov/motus.org for more information on Licensing and Permitting with CAL FIRE

Page 1 of 1

C19168
10-31-25
LICENSED ARCHITECT
STATE OF CALIFORNIA

Mark Wise
No. 3693
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

10/18/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123359 INC:
REVIEWED FOR
SS ☑ FLS ☐ ACS ☑
DATE: 03/21/2024

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USASHADE & Fabric Structures

CORPORATE HEADQUARTERS
2580 ESTERS BLVD, SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 365

CUSTOMER:
Murrieta Valley U.S.D.

PROJECT NAME:
Shivela Middle School

LOCATION:
24515 Lincoln Ave
Murrieta, CA 92562

MODEL NUMBER:
DSA2022030-22

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121917 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 10/30/2023

STRUCTURE TYPE:
FULL CANTILEVER HIP SINGLE - DSA

SIZE: MAXIMUM
20' x 30' x 15'e MAX.

SCALE : NONE

DRAWING SIZE:
D

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

Eng. By :	HH	12/01/22
Design By :	OS	12/01/22
Approved By :	MB	12/01/22

DRAWING DESCRIPTION:
SPECIFICATIONS

DWG.
DSA2022030-22

SHEET
11.2-2000

REV.
NC