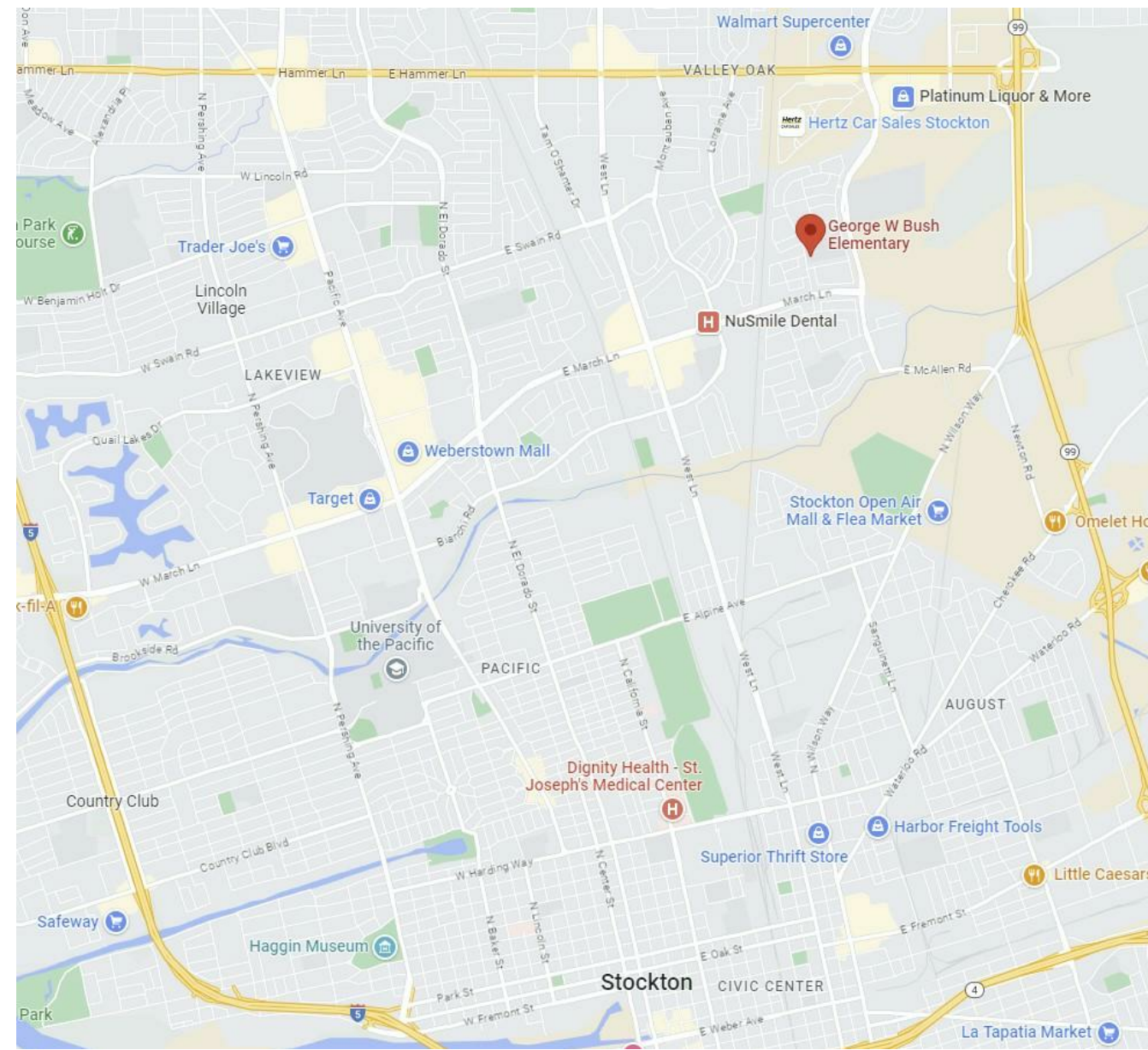


# BUSH ELEMENTARY SCHOOL

5420 FRED RUSSO DR, STOCKTON, CA 95212

STOCKTON UNIFIED SCHOOL DISTRICT

# LCAP PRE-K PLAYGROUND PROJECT



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

TITLE 19, C.C.R. PUBLIC SAFETY DIVISION 1, STATE FIRE MARSHAL REGULATIONS  
TITLE 24, C.C.R. PART 1, 2022 BUILDING STANDARDS ADMINISTRATIVE CODE  
TITLE 24, C.C.R. PART 2, 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2  
TITLE 24, C.C.R. PART 3, 2022 CALIFORNIA ELECTRICAL CODE  
TITLE 24, C.C.R. PART 4, 2022 CALIFORNIA MECHANICAL CODE  
TITLE 24, C.C.R. PART 5, 2022 CALIFORNIA PLUMBING CODE  
TITLE 24, C.C.R. PART 6, 2022 CALIFORNIA ENERGY CODE  
TITLE 24, C.C.R. PART 9, 2022 CALIFORNIA FIRE CODE  
TITLE 24, C.C.R. PART 10, 2022 CALIFORNIA EXISTING BUILDING CODE  
TITLE 24, C.C.R. PART 11, 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE  
TITLE 24, C.C.R. PART 12, 2022 CALIFORNIA REFERENCE STANDARDS (SEE 2022 CBC CHAPTER 35 FOR REFERENCED STANDARDS CURRENTLY IN AFFECT)  
2022 CALIFORNIA BUILDING CODE VALUATION THRESHOLD: \$195,358  
2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)  
2019 NFPA 24, PRIVATE FIRE MAINS  
2022 NFPA 72, NATIONAL FIRE ALARM CODE

### INSPECTOR CLASSIFICATION:

CLASS 2

### DEFERRED APPROVALS:

NONE

DSA PROJECT TRACKING NUMBER: 68676-00

FILE NUMBER: 39-69

APPLICATION NUMBER: 00-000000

### SCOPE OF WORK:

PLAY APPARATUS FOR AGES 2-12 TO BE INSTALLED OVER RECESSED RUBBER TILE FALL PROTECTION.

30' X 30' FABRIC PC SHADE STRUCTURE OVER PLAY APPARATUS

AT AREA INCORPORATED WITH PLAY APPARATUS. UPDATE ASPHALT PAVING AND REPAINT PLAYGROUND GRAPHICS AS NEEDED.

REMOVE AGING PICNIC TABLES AND PROVIDE NEW PICNIC TABLES, AT LEAST ONE PICNIC TABLE IS TO BE ACCESSIBLE.

### EXEMPTIONS

PLAYGROUND EQUIPMENT IS NOT PART OF DSA/SS REVIEW AS PER DSA IR A-22

FENCING IS NOT PART OF DSA/SS REVIEW AS PER DSA IR A-22

## DESIGN DEVELOPMENT

# ARCHITECHNICA

### OWNER

STOCKTON UNIFIED SCHOOL DISTRICT

56 South Lincoln Street  
Stockton, CA 95203

### SUPERINTENDENT:

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

### DISTRICT FACILITIES PLANNING:

Vicki Brum  
P: (209) 933-7045  
E: vbrum@stocktonusd.net

### CIVIL ENGINEER

MID VALLEY ENGINEERING 7  
SURVEYING, INC.

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

### DESIGN TEAM:

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

### ARCHITECT

ARCHITECHNICA

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

### DESIGN TEAM:

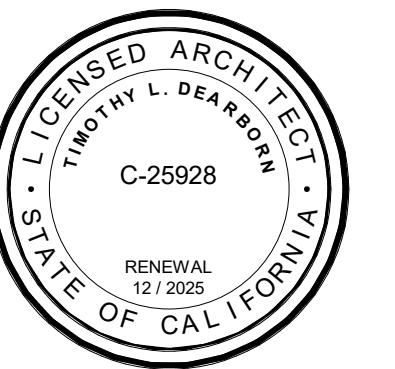
Bob Machado, AIA - Principal Architect  
Tim Dearborn, AIA - Principal Architect  
Heidi Van Dyk, AIA - Project Architect  
Leilani Gnall-Gregory - Senior Project Manager  
Janelle Yang - Designer  
Haya Dajani - Designer  
Moises Torres - Designer



ARCHITECHNICA

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

www.architechnica.net



© 2023 ARCHITECHNICA

CONSULTANT



BUSH ES LCAP  
PRE-K PLAYGROUND  
PROJECT

5420 FRED RUSSO DR,  
STOCKTON, CA 95212

STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16

ISSUE SET: DESIGN DEV.

ISSUE DATE: 02/01/2024

DRAWN BY: HD

COVER SHEET

G0.0



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 table with fields for School District/Owner, Project Name/School, and Project Address.

FIRE & LIFE SAFETY INFORMATION table with questions regarding fire hydrant flow tests, fire hazard severity zones, and Wildland Interface Area (WIFA).

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION table with columns for Condition, Alternate Accepted, and Resolution status.

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.

Accepted by: \_\_\_\_\_ Title: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

LOCAL FIRE AUTHORITY (LFA) INFORMATION table with fields for LFA Agency Name, LFA Review Official, Title, Work Phone, and Work Email.

LFA Reviewer's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

SITE PLAN NOTES - FIRE &...

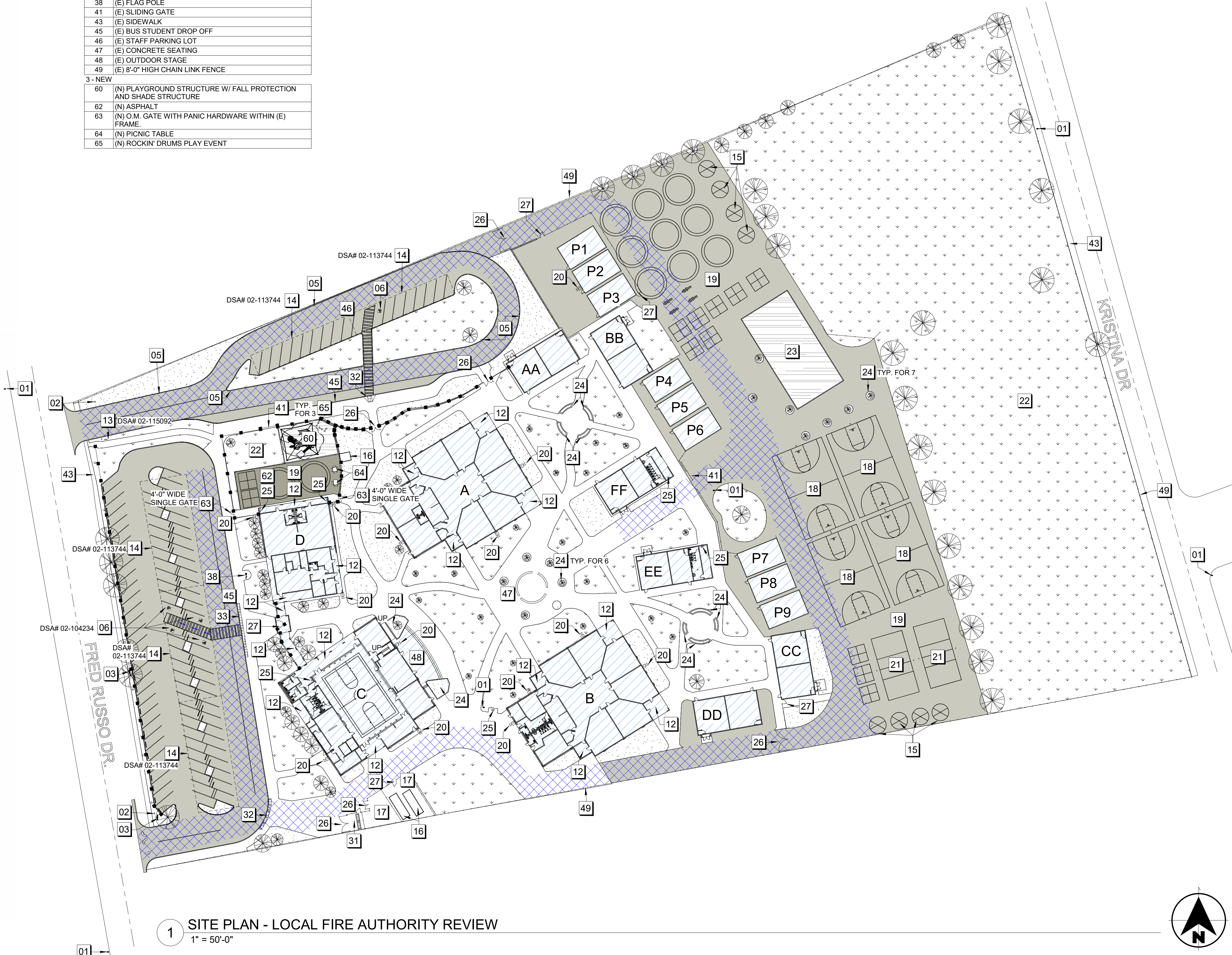
Table of site plan notes categorized into 1-EXISTING, 3-NEW, and 2-NEW items, detailing various site features and materials.

NEW SITE LEGEND

Legend table defining symbols for existing buildings, turf, soil, asphalt, concrete, fall protection, new concrete, fire access lane, trees, wrought iron fence, chain link fence, and existing exterior fire alarm horns.

BUILDING LEGEND

Building Legend table mapping Designation (A-P9) to Name (Library, Media Center, Classrooms, etc.) and DSA App. No.



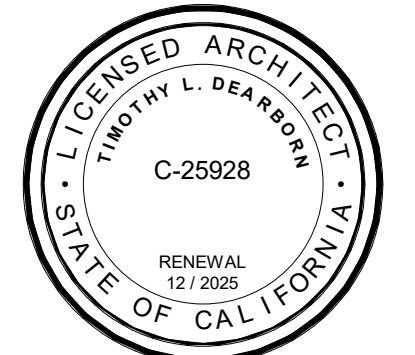
1 SITE PLAN - LOCAL FIRE AUTHORITY REVIEW 1" = 50'-0"



ARCHITECHNICA

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

www.architechnica.net



© 2023 ARCHITECHNICA



BUSH ES LCAP PRE-K PLAYGROUND PROJECT

5420 FRED RUSSO DR, STOCKTON, CA 95212

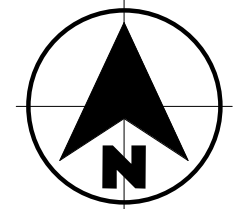
STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS table with columns for revision number, description, and date.

PROJECT NO: 2023-16 ISSUE SET: DESIGN DEV. ISSUE DATE: 02/01/2024 DRAWN BY: HD

LOCAL FIRE AUTHORITY REVIEW SITE PLAN

G1.1



**SITE PLAN NOTES - FIRE &...**

1 - EXISTING	
01	(E) FIRE HYDRANT
02	(E) OFF STREET PARKING SIGNAGE
03	(E) BACKFLOW DEVICE
05	(E) RED PAINTED CURB W/ NO PARKING LABELS
06	(E) ADA PARKING & SIGNAGE
12	(E) COVERED WALK
13	(E) MONUMENT / SCHOOL SIGN
14	(E) SOLAR PANEL STRUCTURE
15	(E) TETHERBALL COURT
16	(E) STORAGE CONTAINER
17	(E) EQUIPMENT YARD
18	(E) BASKETBALL COURT
19	(E) HARDSCAPE AREA WITH PLAY YARD PAINT
20	(E) EXTERIOR FIRE HORN
21	(E) VOLLEYBALL COURTS W/ POLES
22	(E) PLAY FIELD
23	(E) PLAYGROUND STRUCTURE
24	(E) PLANTER
25	(E) ACCESSIBLE DRINKING FOUNTAIN
26	(E) DOUBLE GATES
27	(E) SINGLE GATES
31	(E) TRASH AREA ENCLOSURE
32	(E) CURB CUT & ADA RAMP
33	(E) TRUNCATED DOMES
38	(E) FLAG POLE
41	(E) SLIDING GATE
43	(E) SIDEWALK
45	(E) BUS STUDENT DROP OFF
46	(E) STAFF PARKING LOT
47	(E) CONCRETE SEATING
48	(E) OUTDOOR STAGE
49	(E) 8'-0" HIGH CHAIN LINK FENCE
3 - NEW	
60	(N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE
62	(N) ASPHALT
63	(N) O.M. GATE WITH PANIC HARDWARE WITHIN (E) FRAME.
64	(N) PICNIC TABLE
65	(N) ROCKIN' DRUMS PLAY EVENT

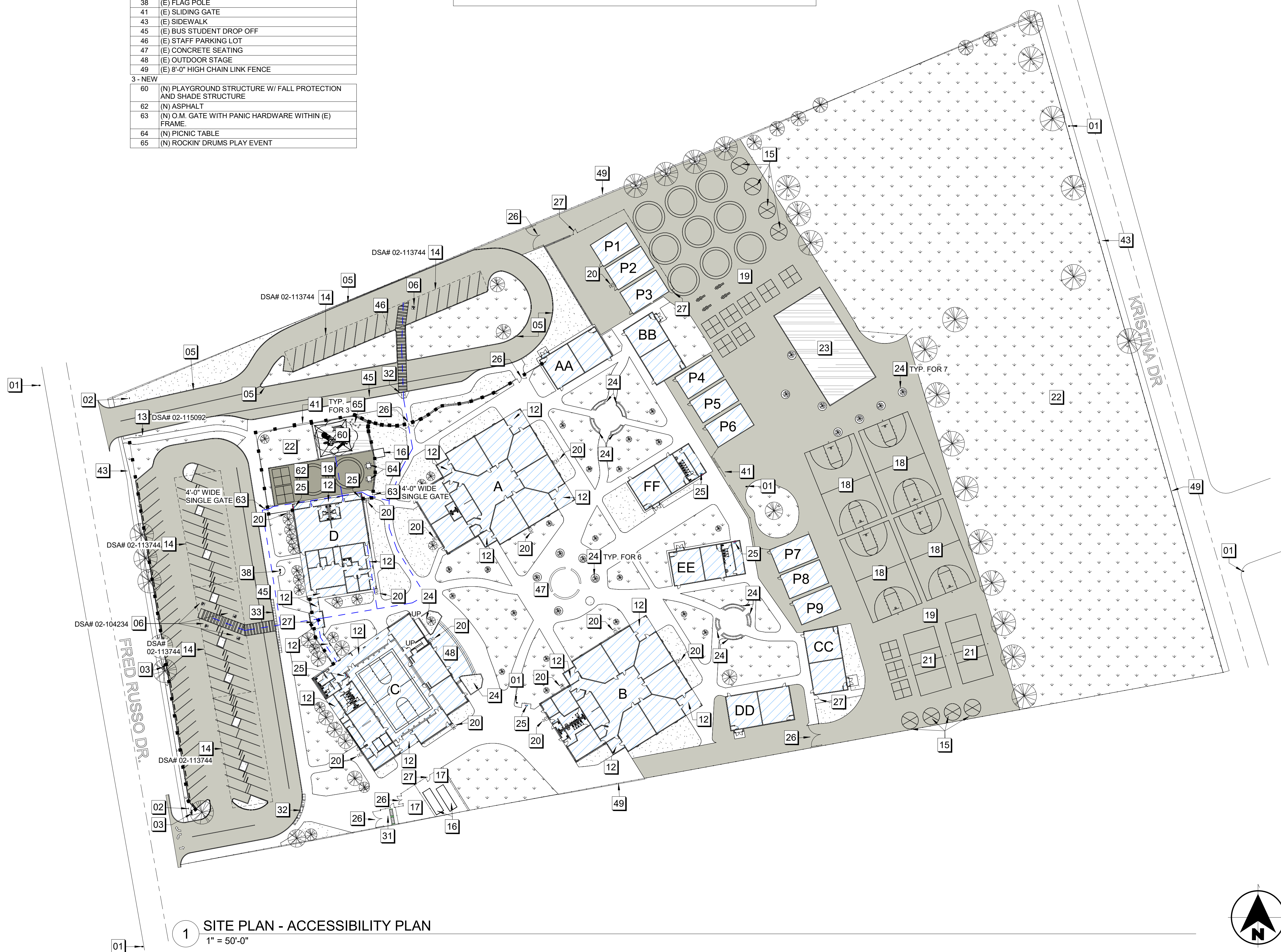
**NEW SITE LEGEND**

	EXISTING BUILDINGS		NEW CONCRETE
	EXISTING TURF / GREEN AREA		NEW ASPHALT
	EXISTING SOIL / EARTH		TREE
	EXISTING ASPHALT		WROUGHT IRON FENCE
	EXISTING CONCRETE		CHAIN LINK FENCE
	FALL PROTECTION		EXISTING EXTERIOR FIRE ALARM HORN

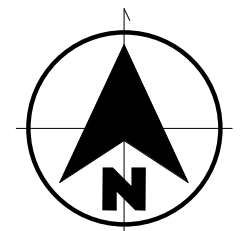
**PATH OF TRAVEL (P.O.T.):** THE ACCESSIBLE PATH OF TRAVEL AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN DIRECTION OF TRAVEL IS LESS THAN 5% U.O.N. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO A MINIMUM OF 80" AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80".

**BUILDING LEGEND**

DESIGNATION	NAME	DSA APP. NO.
A	LIBRARY / CLASSROOM	#02-104234
B	MEDIA CENTER / CLASSROOM	#02-104234
C	MULTI-PURPOSE	#02-104234
D	ADMINISTRATION / KINDERGARTEN	#02-104234
AA	CLASSROOMS	#02-104942
BB	CLASSROOMS	#02-104942
CC	CLASSROOMS	#02-104942
DD	CLASSROOMS	#02-104942
EE	CLASSROOMS / RESTROOM	#02-104947
FF	CLASSROOMS / RESTROOM	#02-104948
P1	PORTABLE CLASSROOM	#50528
P2	PORTABLE CLASSROOM	#56013
P3	PORTABLE CLASSROOM	#56013
P4	PORTABLE CLASSROOM	#58058
P5	PORTABLE CLASSROOM	#58058
P6	PORTABLE CLASSROOM	#58058
P7	PORTABLE CLASSROOM	#58511
P8	PORTABLE CLASSROOM	#58058
P9	PORTABLE CLASSROOM	#58058
14	SOLAR PANEL STRUCTURES	#02-113744



**1 SITE PLAN - ACCESSIBILITY PLAN**  
1" = 50'-0"



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



© 2023 ARCHITECHNICA

CONSULTANT



**BUSH ES LCAP  
PRE-K PLAYGROUND  
PROJECT**

5420 FRED RUSSO DR,  
STOCKTON, CA 95212  
STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 02/01/2024  
DRAWN BY: HD

**ACCESSIBILITY  
REVIEW PLAN**

**G1.2**

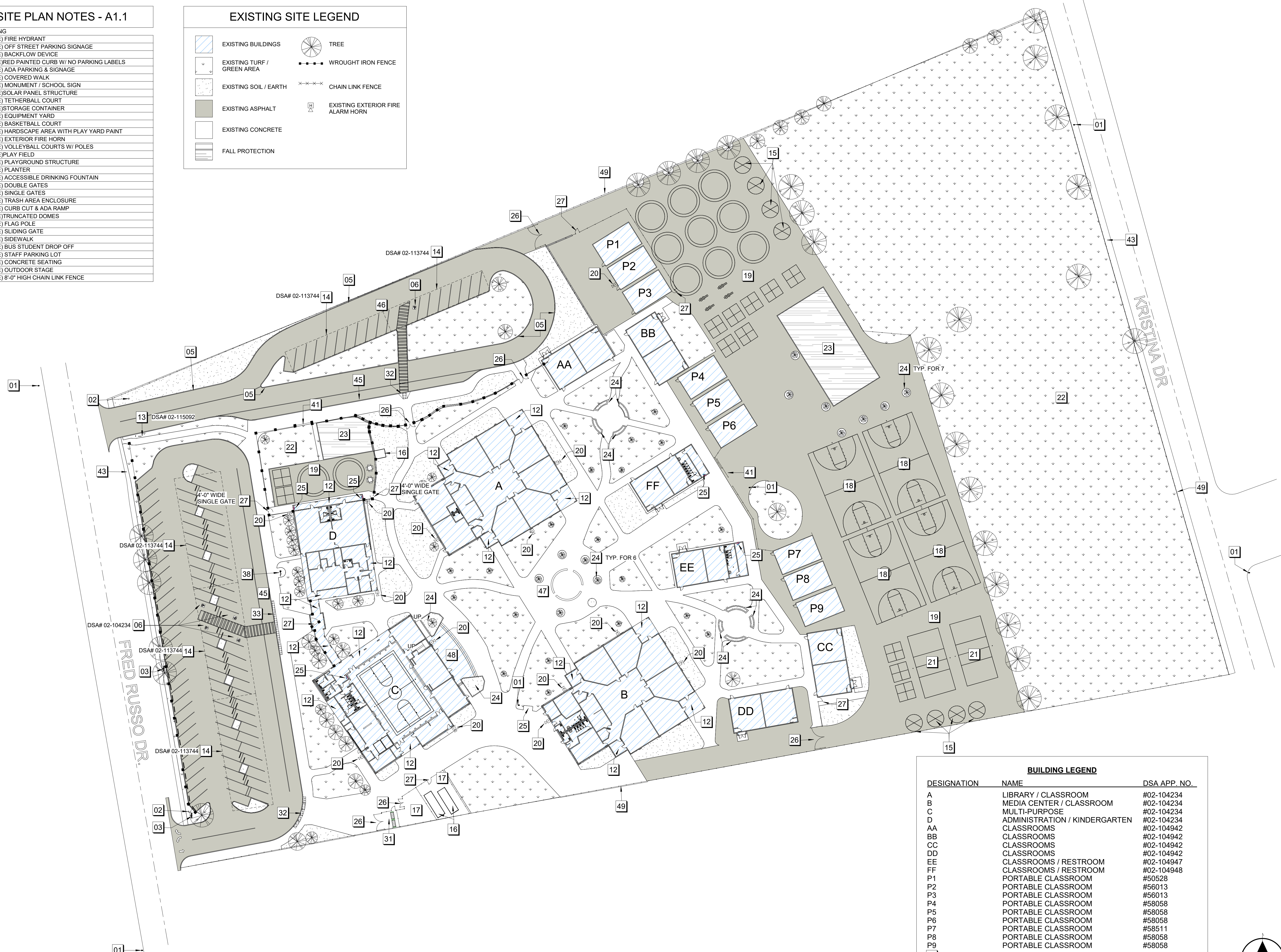
**SITE PLAN NOTES - A1.1**

1- EXISTING

01	(E) FIRE HYDRANT
02	(E) OFF STREET PARKING SIGNAGE
03	(E) BACKFLOW DEVICE
05	(E) RED PAINTED CURB W/ NO PARKING LABELS
06	(E) ADA PARKING & SIGNAGE
12	(E) COVERED WALK
13	(E) MONUMENT / SCHOOL SIGN
14	(E) SOLAR PANEL STRUCTURE
15	(E) TETHERBALL COURT
16	(E) STORAGE CONTAINER
17	(E) EQUIPMENT YARD
18	(E) BASKETBALL COURT
19	(E) HARDSCAPE AREA WITH PLAY YARD PAINT
20	(E) EXTERIOR FIRE HORN
21	(E) VOLLEYBALL COURTS W/ POLES
22	(E) PLAY FIELD
23	(E) PLAYGROUND STRUCTURE
24	(E) PLANTER
25	(E) ACCESSIBLE DRINKING FOUNTAIN
26	(E) DOUBLE GATES
27	(E) SINGLE GATES
31	(E) TRASH AREA ENCLOSURE
32	(E) CURB CUT & ADA RAMP
33	(E) TRUNCATED DOMES
38	(E) FLAG POLE
41	(E) SLIDING GATE
43	(E) SIDEWALK
45	(E) BUS STUDENT DROP OFF
46	(E) STAFF PARKING LOT
47	(E) CONCRETE SEATING
48	(E) OUTDOOR STAGE
49	(E) 8'-0" HIGH CHAIN LINK FENCE

**EXISTING SITE LEGEND**

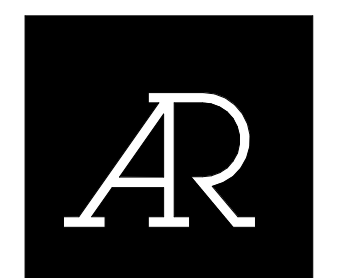
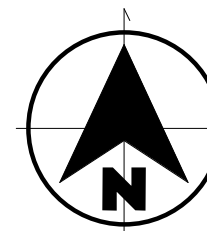
	EXISTING BUILDINGS		TREE
	EXISTING TURF / GREEN AREA		WROUGHT IRON FENCE
	EXISTING SOIL / EARTH		CHAIN LINK FENCE
	EXISTING ASPHALT		EXISTING EXTERIOR FIRE ALARM HORN
	EXISTING CONCRETE		
	FALL PROTECTION		



**BUILDING LEGEND**

DESIGNATION	NAME	DSA APP. NO.
A	LIBRARY / CLASSROOM	#02-104234
B	MEDIA CENTER / CLASSROOM	#02-104234
C	MULTI-PURPOSE	#02-104234
D	ADMINISTRATION / KINDERGARTEN	#02-104234
AA	CLASSROOMS	#02-104942
BB	CLASSROOMS	#02-104942
CC	CLASSROOMS	#02-104942
DD	CLASSROOMS	#02-104942
EE	CLASSROOMS / RESTROOM	#02-104947
FF	CLASSROOMS / RESTROOM	#02-104948
P1	PORTABLE CLASSROOM	#50528
P2	PORTABLE CLASSROOM	#56013
P3	PORTABLE CLASSROOM	#56013
P4	PORTABLE CLASSROOM	#58058
P5	PORTABLE CLASSROOM	#58058
P6	PORTABLE CLASSROOM	#58058
P7	PORTABLE CLASSROOM	#58511
P8	PORTABLE CLASSROOM	#58058
P9	PORTABLE CLASSROOM	#58058
14	SOLAR PANEL STRUCTURES	#02-113744

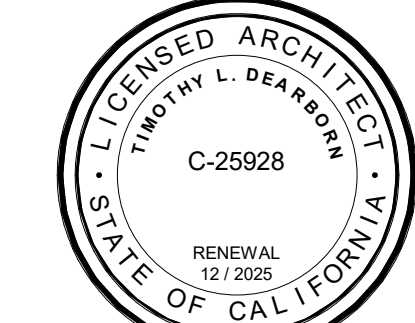
**1 SITE PLAN - EXISTING**  
1" = 40'-0"



**ARCHITECHNICA**

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

www.architechnica.net



© 2023 ARCHITECHNICA

CONSULTANT



**BUSH ES LCAP  
PRE-K PLAYGROUND  
PROJECT**

5420 FRED RUSSO DR,  
STOCKTON, CA 95212

STOCKTON UNIFIED  
SCHOOL DISTRICT




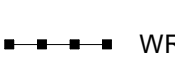

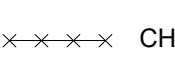

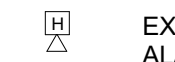



**REVISIONS**

NO.	DATE	DESCRIPTION

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 02/01/2024  
DRAWN BY: HD

**SITE PLAN -  
EXISTING**

**DEMO SITE LEGEND**

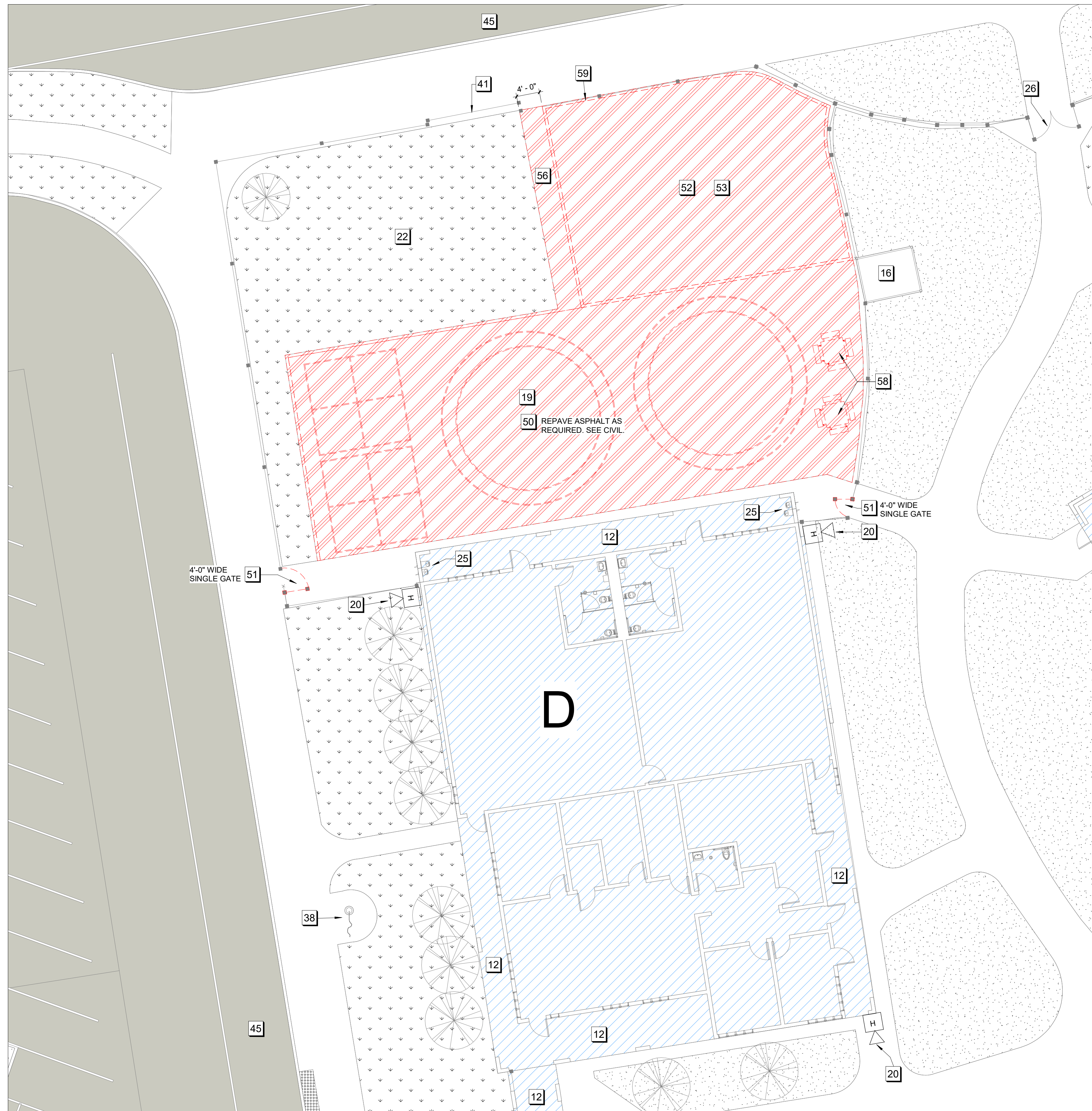
	EXISTING BUILDINGS		TREE
	EXISTING TURF / GREEN AREA		WROUGHT IRON FENCE
	EXISTING SOIL / EARTH		CHAIN LINK FENCE
	EXISTING ASPHALT		EXISTING EXTERIOR FIRE ALARM HORN
	EXISTING CONCRETE		TO BE DEMOLISHED
	FALL PROTECTION		

**BUILDING LEGEND**

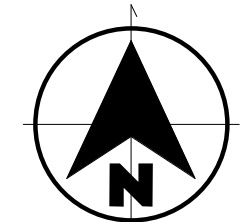
DESIGNATION	NAME	DSA APP. NO.
A	LIBRARY / CLASSROOM	#02-104234
B	MEDIA CENTER / CLASSROOM	#02-104234
C	MULTI-PURPOSE	#02-104234
D	ADMINISTRATION / KINDERGARTEN	#02-104942
AA	CLASSROOMS	#02-104942
BB	CLASSROOMS	#02-104942
CC	CLASSROOMS	#02-104942
DD	CLASSROOMS	#02-104942
EE	CLASSROOMS / RESTROOM	#02-104947
FF	CLASSROOMS / RESTROOM	#02-104947
P1	PORTABLE CLASSROOM	#58058
P2	PORTABLE CLASSROOM	#58058
P3	PORTABLE CLASSROOM	#58058
P4	PORTABLE CLASSROOM	#58058
P5	PORTABLE CLASSROOM	#58058
P6	PORTABLE CLASSROOM	#58058
P7	PORTABLE CLASSROOM	#58058
P8	PORTABLE CLASSROOM	#58058
P9	PORTABLE CLASSROOM	#58058
14	SOLAR PANEL STRUCTURES	#02-113744

**SITE PLAN NOTES - A1.2**

1 - EXISTING	
12	(E) COVERED WALK
16	(E) STORAGE CONTAINER
19	(E) HARDSCAPE AREA WITH PLAY YARD PAINT
20	(E) EXTERIOR FIRE HORN
22	(E) PLAY FIELD
25	(E) ACCESSIBLE DRINKING FOUNTAIN
26	(E) DOUBLE GATES
38	(E) FLAG POLE
41	(E) SLIDING GATE
45	(E) BUS STUDENT DROP OFF
2 - DEMOLITION	
50	REPAVE (E) ASPHALT
51	REMOVE (E) SINGLE O.M. IRON GATE
52	REMOVE (E) PLAYGROUND STRUCTURE
53	REMOVE (E) FALL PROTECTION SURFACE
56	REMOVE (E) TURF/GREEN AREA
58	REMOVE AGING PICNIC TABLES
59	REMOVE (E) CURB



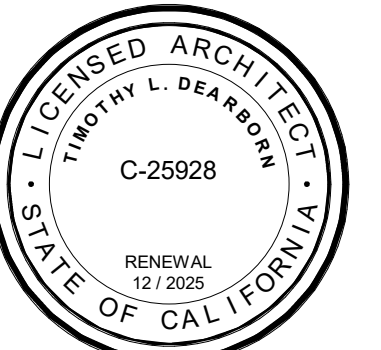
1 ENLARGED SITE PLAN - DEMO  
1" = 10'-0"



ARCHITECHNICA

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

www.architechnica.net



© 2023 ARCHITECHNICA

CONSULTANT



BUSH ES LCAP  
PRE-K PLAYGROUND  
PROJECT

5420 FRED RUSSO DR,  
STOCKTON, CA 95212

STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 02/01/2024  
DRAWN BY: HD

ENLARGED SITE  
PLAN - DEMO

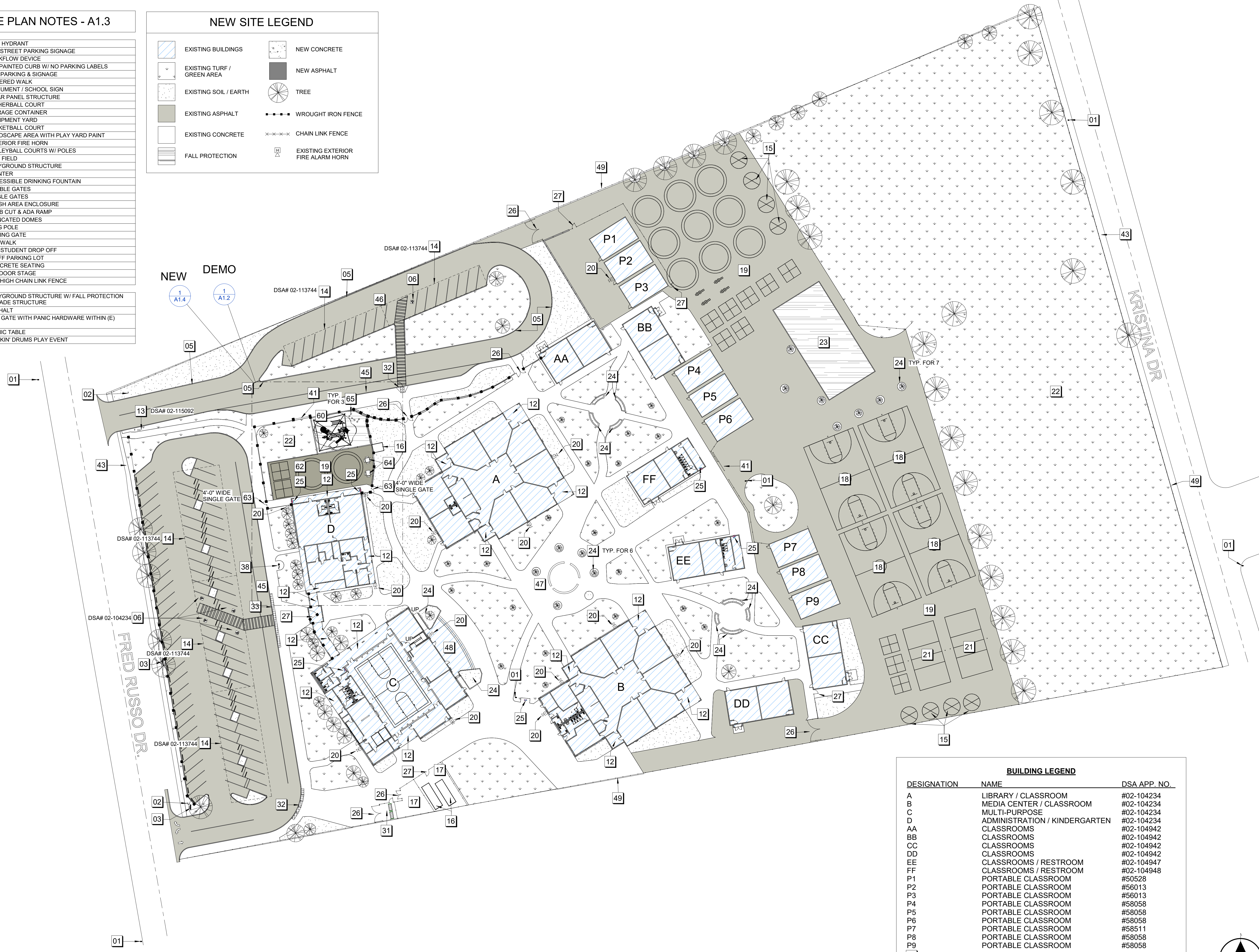
A1.2

**SITE PLAN NOTES - A1.3**

- 1 - EXISTING**
- 01 (E) FIRE HYDRANT
  - 02 (E) OFF STREET PARKING SIGNAGE
  - 03 (E) BACKFLOW DEVICE
  - 05 (E) RED PAINTED CURB W/ NO PARKING LABELS
  - 06 (E) ADA PARKING & SIGNAGE
  - 12 (E) COVERED WALK
  - 13 (E) MONUMENT / SCHOOL SIGN
  - 14 (E) SOLAR PANEL STRUCTURE
  - 15 (E) TETHERBALL COURT
  - 16 (E) STORAGE CONTAINER
  - 17 (E) EQUIPMENT YARD
  - 18 (E) BASKETBALL COURT
  - 19 (E) HARDSCAPE AREA WITH PLAY YARD PAINT
  - 20 (E) EXTERIOR FIRE HORN
  - 21 (E) VOLLEYBALL COURTS W/ POLES
  - 22 (E) PLAY FIELD
  - 23 (E) PLAYGROUND STRUCTURE
  - 24 (E) PLANTER
  - 25 (E) ACCESSIBLE DRINKING FOUNTAIN
  - 26 (E) DOUBLE GATES
  - 27 (E) SINGLE GATES
  - 31 (E) TRASH AREA ENCLOSURE
  - 32 (E) CURB CUT & ADA RAMP
  - 33 (E) TRUNCATED DOMES
  - 38 (E) FLAG POLE
  - 41 (E) SLIDING GATE
  - 43 (E) SIDEWALK
  - 45 (E) BUS STUDENT DROP OFF
  - 46 (E) STAFF PARKING LOT
  - 47 (E) CONCRETE SEATING
  - 48 (E) OUTDOOR STAGE
  - 49 (E) 8'-0" HIGH CHAIN LINK FENCE
- 3 - NEW**
- 60 (N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE
  - 62 (N) ASPHALT
  - 63 (N) O.M. GATE WITH PANIC HARDWARE WITHIN (E) FRAME
  - 64 (N) PICNIC TABLE
  - 65 (N) ROCKIN' DRUMS PLAY EVENT

**NEW SITE LEGEND**

- [Symbol] EXISTING BUILDINGS
- [Symbol] NEW CONCRETE
- [Symbol] EXISTING TURF / GREEN AREA
- [Symbol] NEW ASPHALT
- [Symbol] EXISTING SOIL / EARTH
- [Symbol] TREE
- [Symbol] EXISTING ASPHALT
- [Symbol] WROUGHT IRON FENCE
- [Symbol] EXISTING CONCRETE
- [Symbol] CHAIN LINK FENCE
- [Symbol] FALL PROTECTION
- [Symbol] EXISTING EXTERIOR FIRE ALARM HORN



BUILDING LEGEND		
DESIGNATION	NAME	DSA APP. NO.
A	LIBRARY / CLASSROOM	#02-104234
B	MEDIA CENTER / CLASSROOM	#02-104234
C	MULTI-PURPOSE	#02-104234
D	ADMINISTRATION / KINDERGARTEN	#02-104234
AA	CLASSROOMS	#02-104942
BB	CLASSROOMS	#02-104942
CC	CLASSROOMS	#02-104942
DD	CLASSROOMS	#02-104942
EE	CLASSROOMS / RESTROOM	#02-104947
FF	CLASSROOMS / RESTROOM	#02-104948
P1	PORTABLE CLASSROOM	#50528
P2	PORTABLE CLASSROOM	#56013
P3	PORTABLE CLASSROOM	#56013
P4	PORTABLE CLASSROOM	#58058
P5	PORTABLE CLASSROOM	#58058
P6	PORTABLE CLASSROOM	#58058
P7	PORTABLE CLASSROOM	#58511
P8	PORTABLE CLASSROOM	#58058
P9	PORTABLE CLASSROOM	#58058
14	SOLAR PANEL STRUCTURES	#02-113744

**AR**

**ARCHITECHNICA**

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

www.architechnica.net

© 2023 ARCHITECHNICA

**BUSH ES LCAP  
PRE-K PLAYGROUND  
PROJECT**

5420 FRED RUSSO DR,  
STOCKTON, CA 95212

STOCKTON UNIFIED  
SCHOOL DISTRICT

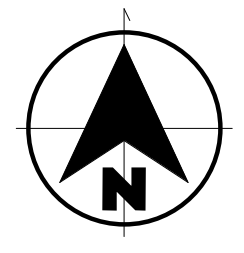
REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 02/01/2024  
DRAWN BY: HD

**SITE PLAN -  
PROPOSED**

A1.3

2/1/2024 4:04:42 PM



**NEW SITE LEGEND**

	EXISTING BUILDINGS		NEW CONCRETE
	EXISTING TURF / GREEN AREA		NEW ASPHALT
	EXISTING SOIL / EARTH		TREE
	EXISTING ASPHALT		WROUGHT IRON FENCE
	EXISTING CONCRETE		CHAIN LINK FENCE
	FALL PROTECTION		EXISTING EXTERIOR FIRE ALARM HORN

**BUILDING LEGEND**

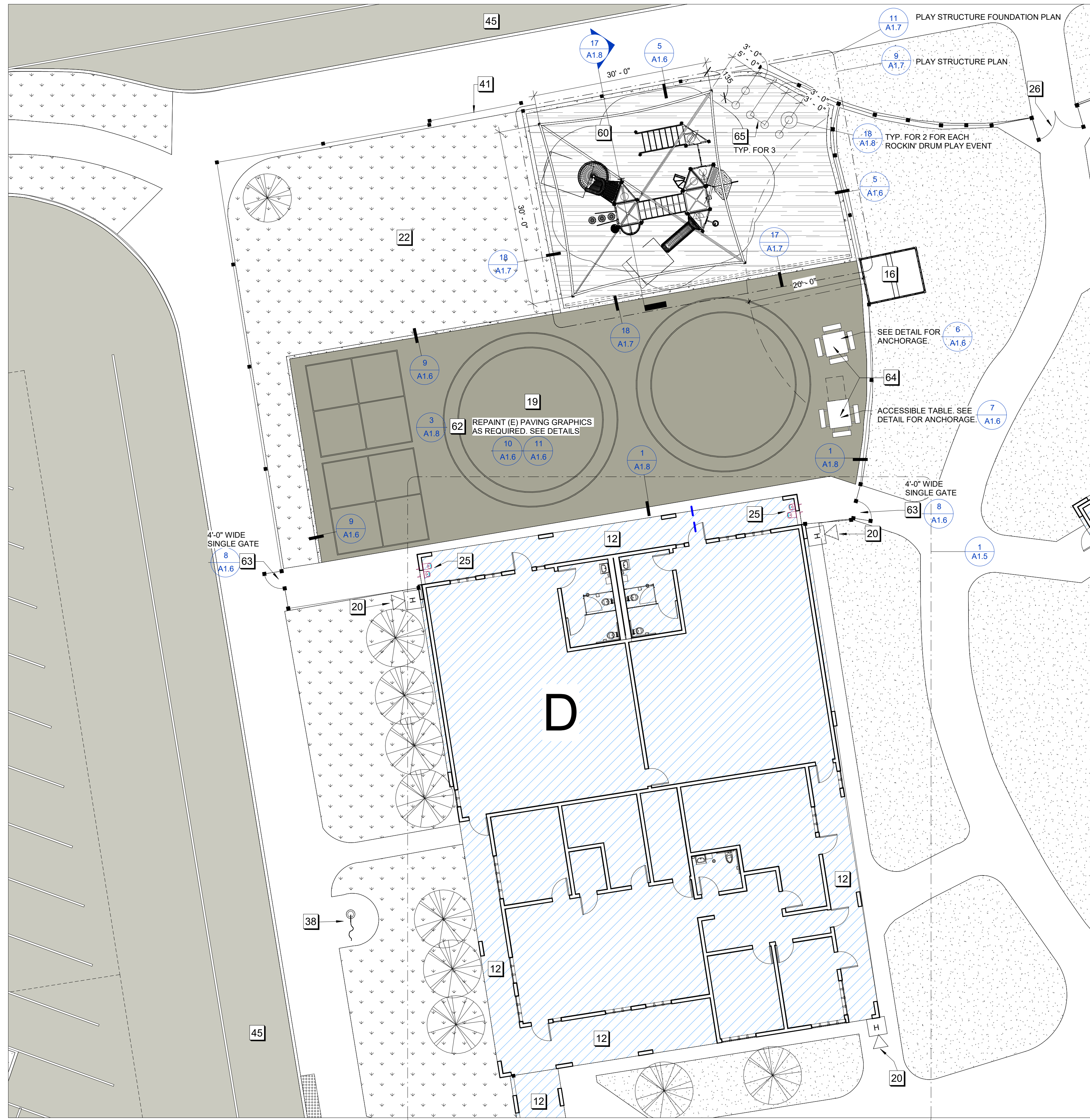
DESIGNATION	NAME	DSA APP. NO.
A	LIBRARY / CLASSROOM	#02-104234
B	MEDIA CENTER / CLASSROOM	#02-104234
C	MULTI-PURPOSE	#02-104234
D	ADMINISTRATION / KINDERGARTEN	#02-104234
AA	CLASSROOMS	#02-104942
BB	CLASSROOMS	#02-104942
CC	CLASSROOMS	#02-104942
DD	CLASSROOMS	#02-104942
EE	CLASSROOMS / RESTROOM	#02-104947
FF	CLASSROOMS / RESTROOM	#02-104948
P1	PORTABLE CLASSROOM	#50528
P2	PORTABLE CLASSROOM	#56013
P3	PORTABLE CLASSROOM	#56013
P4	PORTABLE CLASSROOM	#58058
P5	PORTABLE CLASSROOM	#58058
P6	PORTABLE CLASSROOM	#58058
P7	PORTABLE CLASSROOM	#58511
P8	PORTABLE CLASSROOM	#58058
P9	PORTABLE CLASSROOM	#58058
14	SOLAR PANEL STRUCTURES	#02-113744

**SITE PLAN NOTES - A1.4**

1 - EXISTING	
12	(E) COVERED WALK
16	(E) STORAGE CONTAINER
19	(E) HARDSCAPE AREA WITH PLAY YARD PAINT
20	(E) EXTERIOR FIRE HORN
22	(E) PLAY FIELD
25	(E) ACCESSIBLE DRINKING FOUNTAIN
26	(E) DOUBLE GATES
38	(E) FLAG POLE
41	(E) SLIDING GATE
45	(E) BUS STUDENT DROP OFF
3 - NEW	
60	(N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE
62	(N) ASPHALT
63	(N) O.M. GATE WITH PANIC HARDWARE WITHIN (E) FRAME.
64	(N) PICNIC TABLE
65	(N) ROCKIN' DRUMS PLAY EVENT



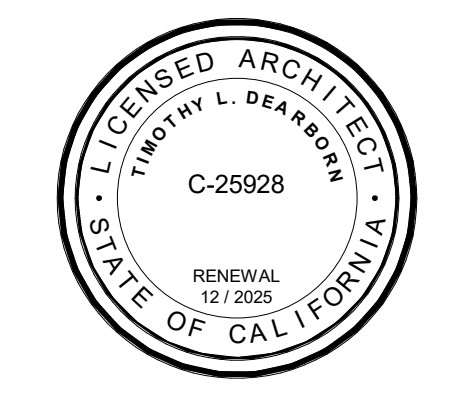
2 PLAYGROUND W/ SHADE STRUCTURE (AXONS)



1 ENLARGED SITE PLAN - PROPOSED  
1" = 10'-0"



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



© 2023 ARCHITECHNICA



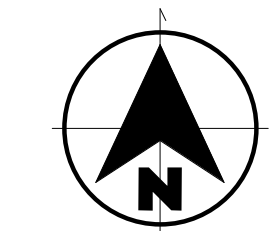
**BUSH ES LCAP  
PRE-K PLAYGROUND  
PROJECT**

5420 FRED RUSSO DR,  
STOCKTON, CA 95212  
STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS	

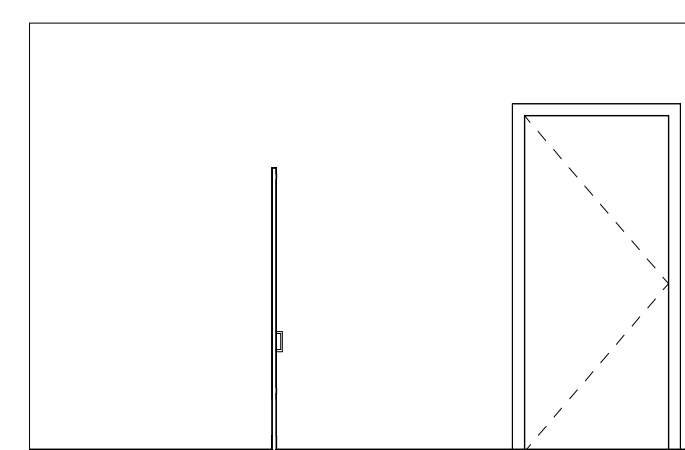
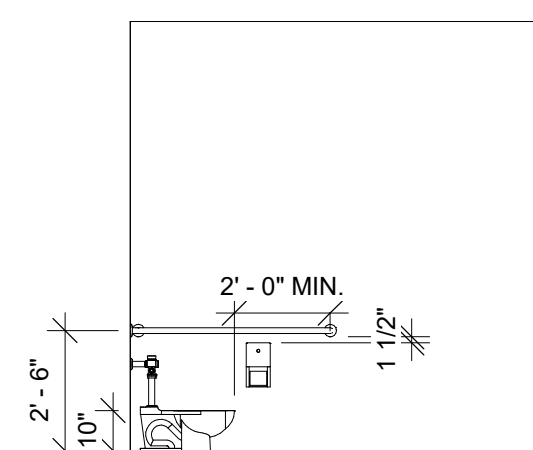
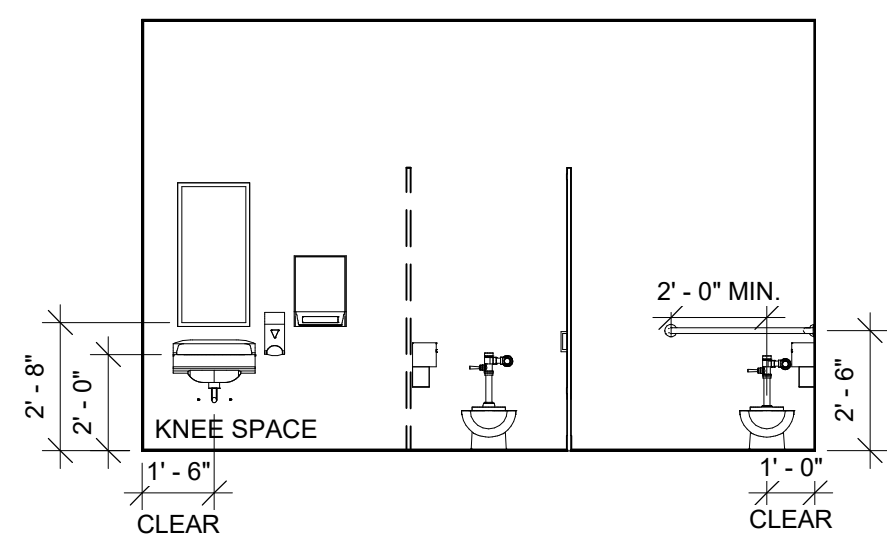
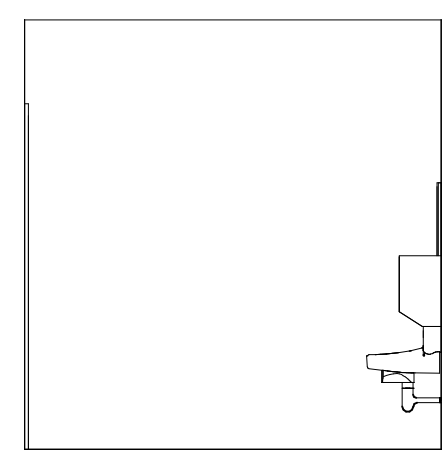
PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 02/01/2024  
DRAWN BY: HD

**ENLARGED SITE  
PLAN - PROPOSED**



A1.4



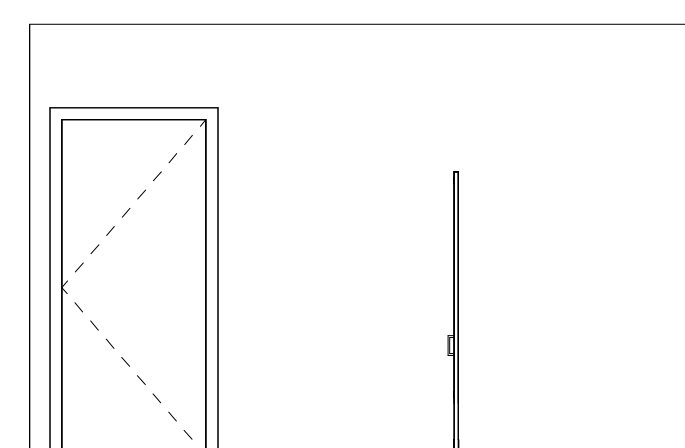
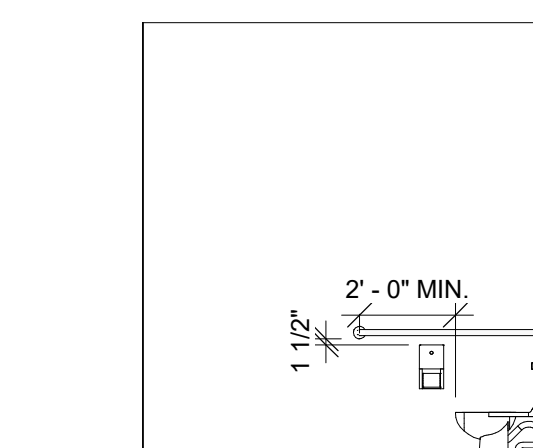
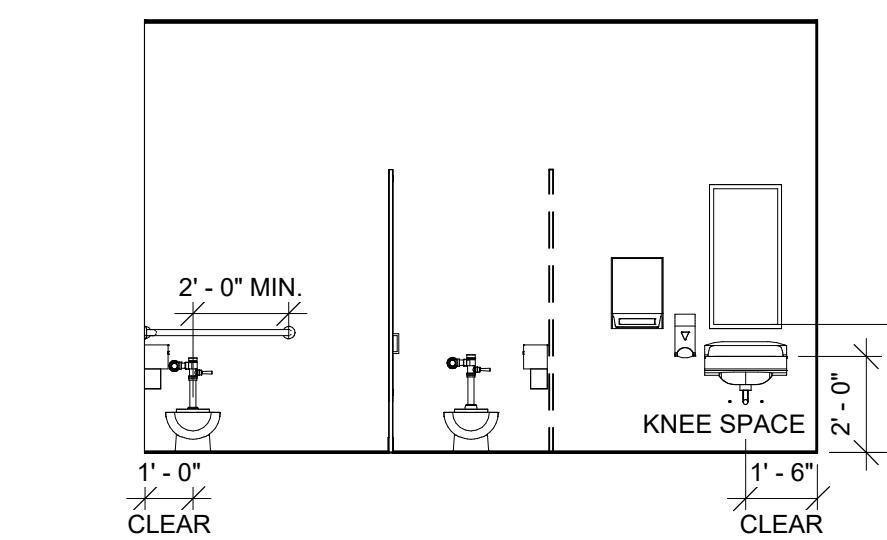
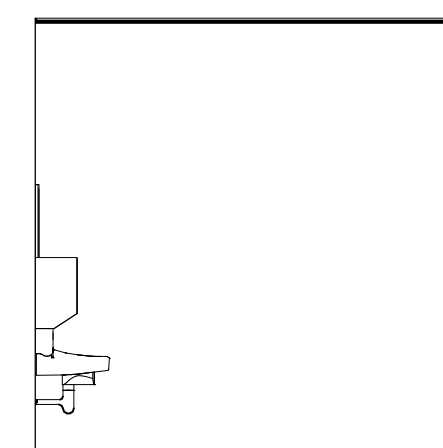


3 TOILET D2 - NORTH  
1/4" = 1'-0"

4 TOILET D2 - EAST  
1/4" = 1'-0"

5 TOILET D2 - SOUTH  
1/4" = 1'-0"

6 TOILET D2 - WEST  
1/4" = 1'-0"

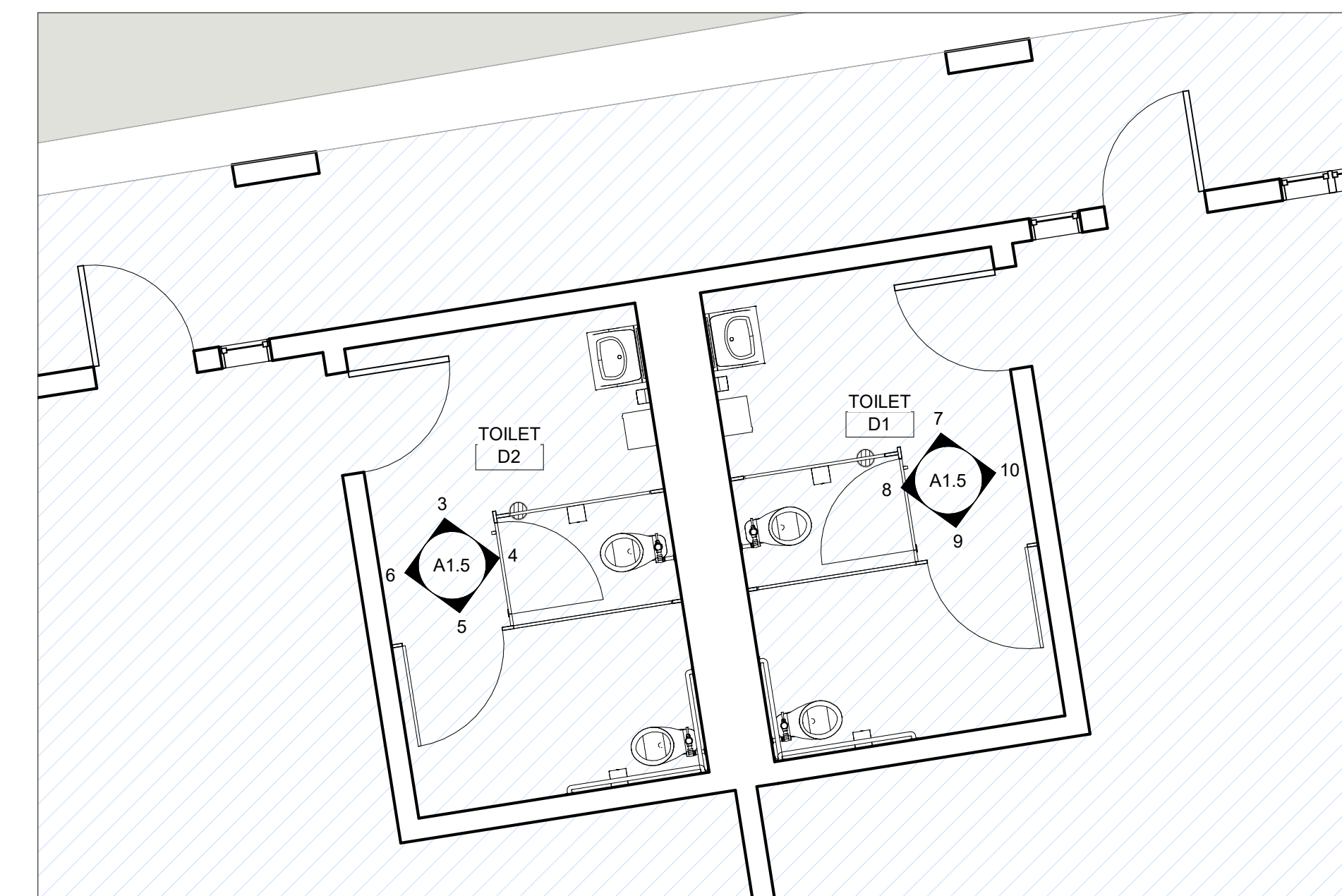


7 TOILET D1 - NORTH  
1/4" = 1'-0"

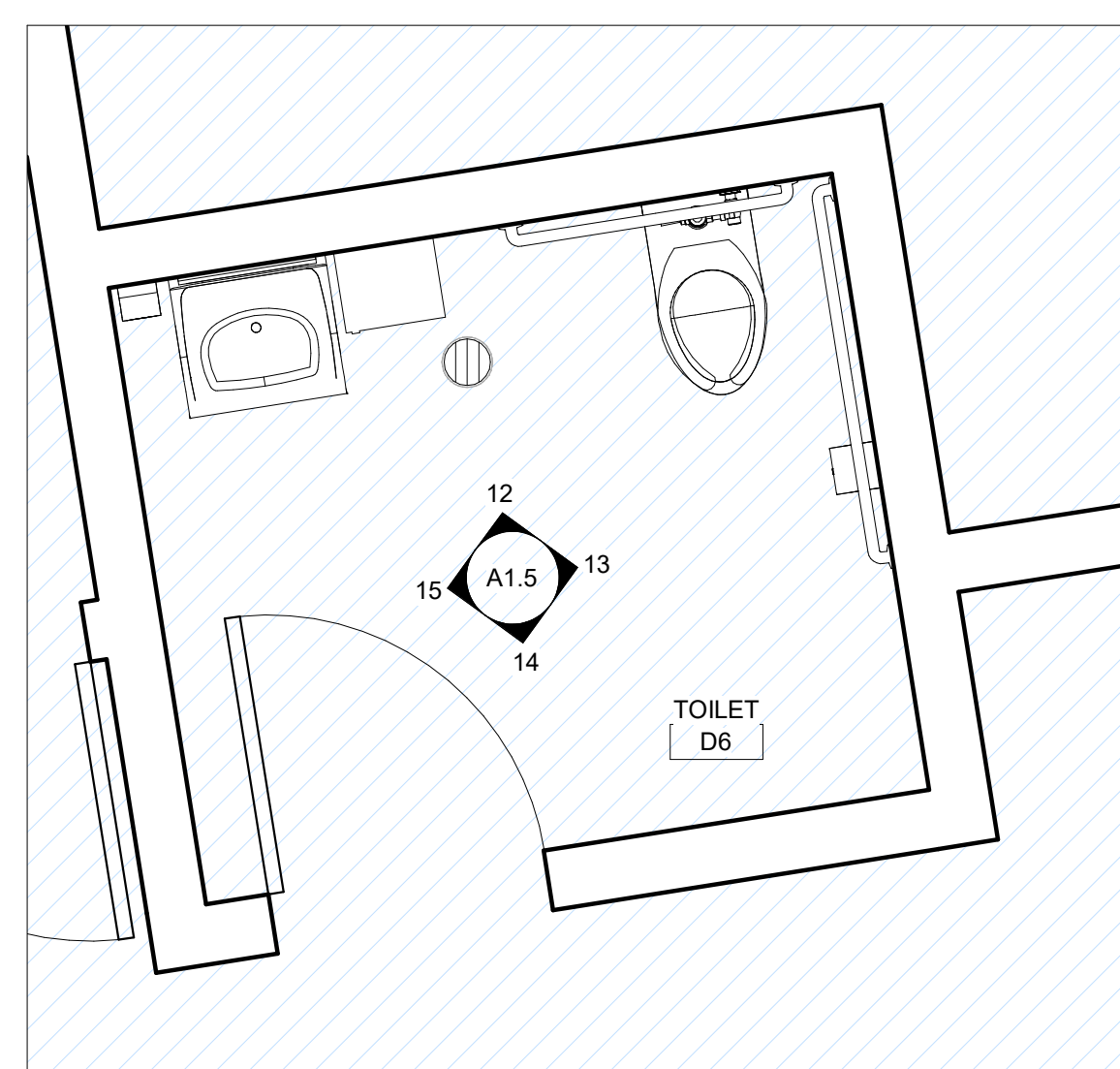
8 TOILET D1 - WEST  
1/4" = 1'-0"

9 TOILET D1 - SOUTH  
1/4" = 1'-0"

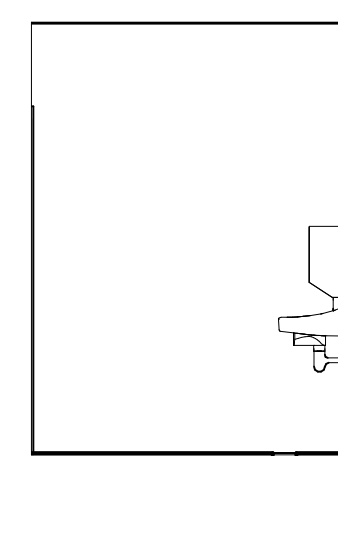
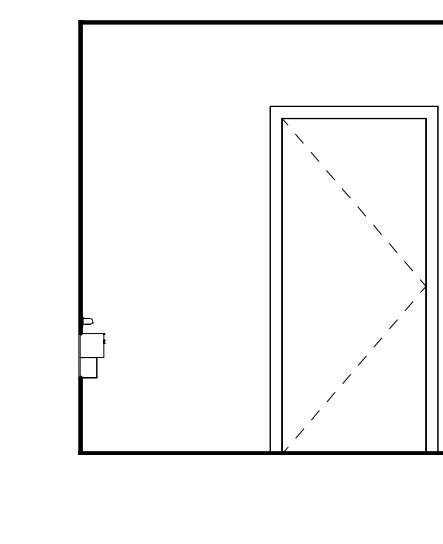
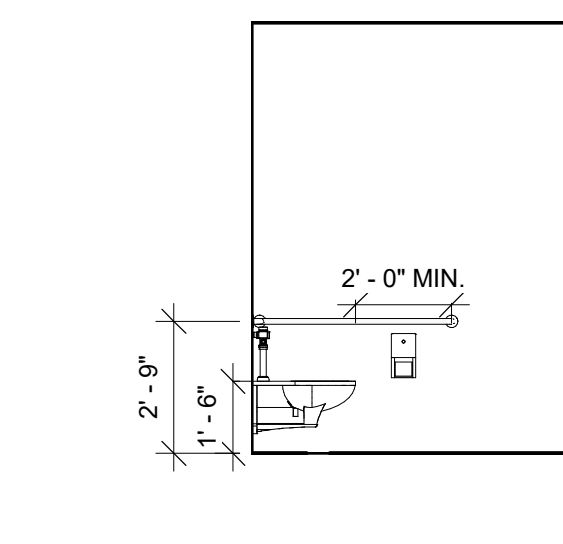
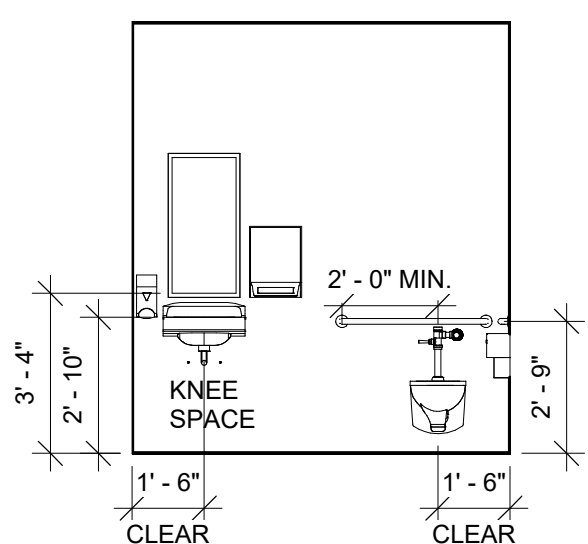
10 TOILET D1 - EAST  
1/4" = 1'-0"



2 BUILDING D FLOOR PLAN - STUDENT RESTROOMS  
1/4" = 1'-0"



11 BUILDING D FLOOR PLAN - STAFF RESTROOM  
1/2" = 1'-0"

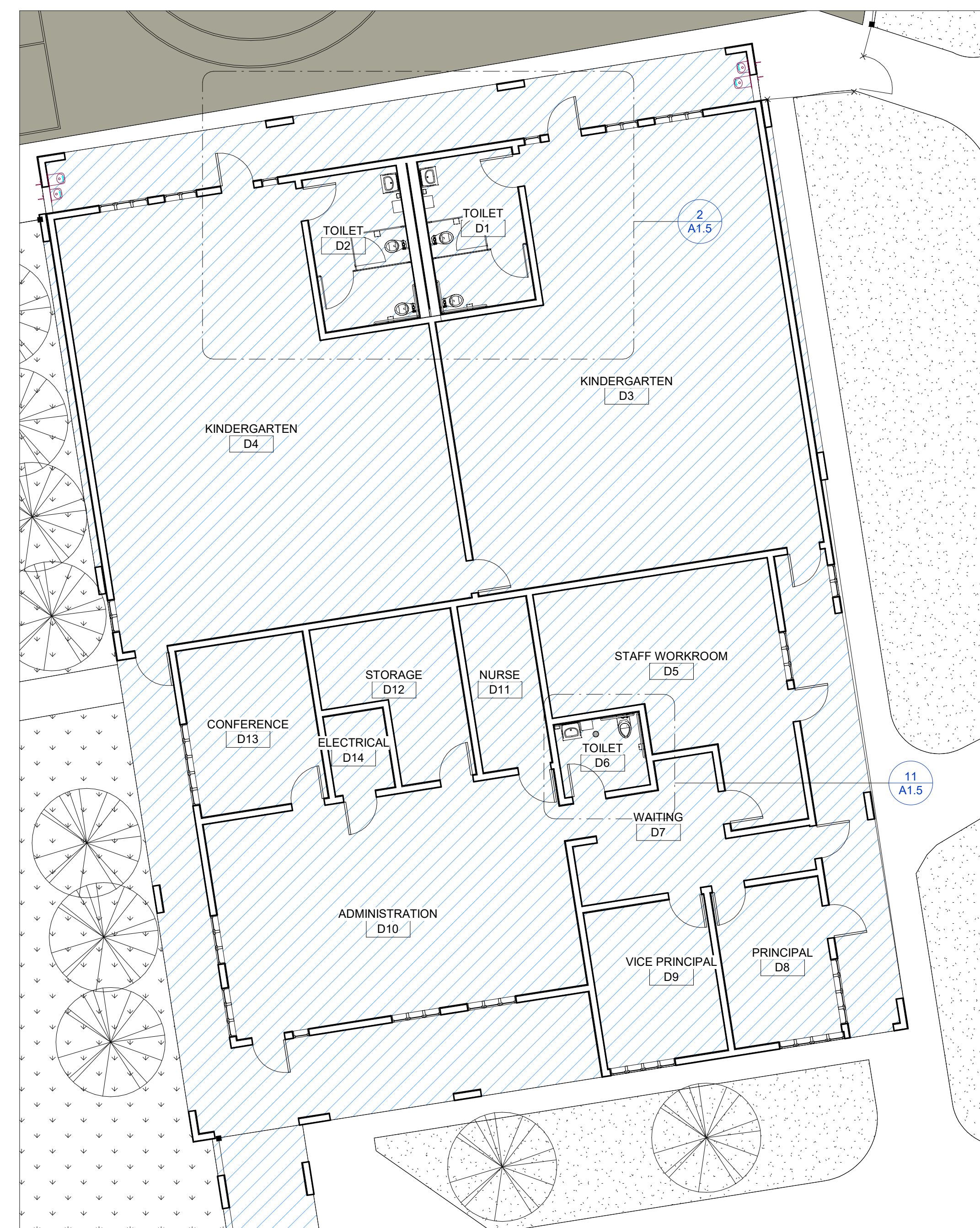


12 TOILET D6 - NORTH  
1/4" = 1'-0"

13 TOILET D6 - EAST  
1/4" = 1'-0"

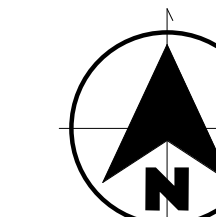
14 TOILET D6 - SOUTH  
1/4" = 1'-0"

15 TOILET D6 - WEST  
1/4" = 1'-0"



1 BUILDING D FLOOR PLAN  
1/8" = 1'-0"

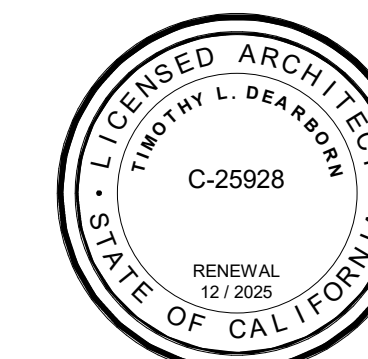
NOTE: EXISTING RESTROOM PLANS PER DSA #02-104234 (BUILDING D)



ARCHITECHNICA

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

www.architechnica.net



© 2023 ARCHITECHNICA

CONSULTANT



BUSH ES LCAP  
PRE-K PLAYGROUND  
PROJECT

5420 FRED RUSSO DR,  
STOCKTON, CA 95212

STOCKTON UNIFIED  
SCHOOL DISTRICT

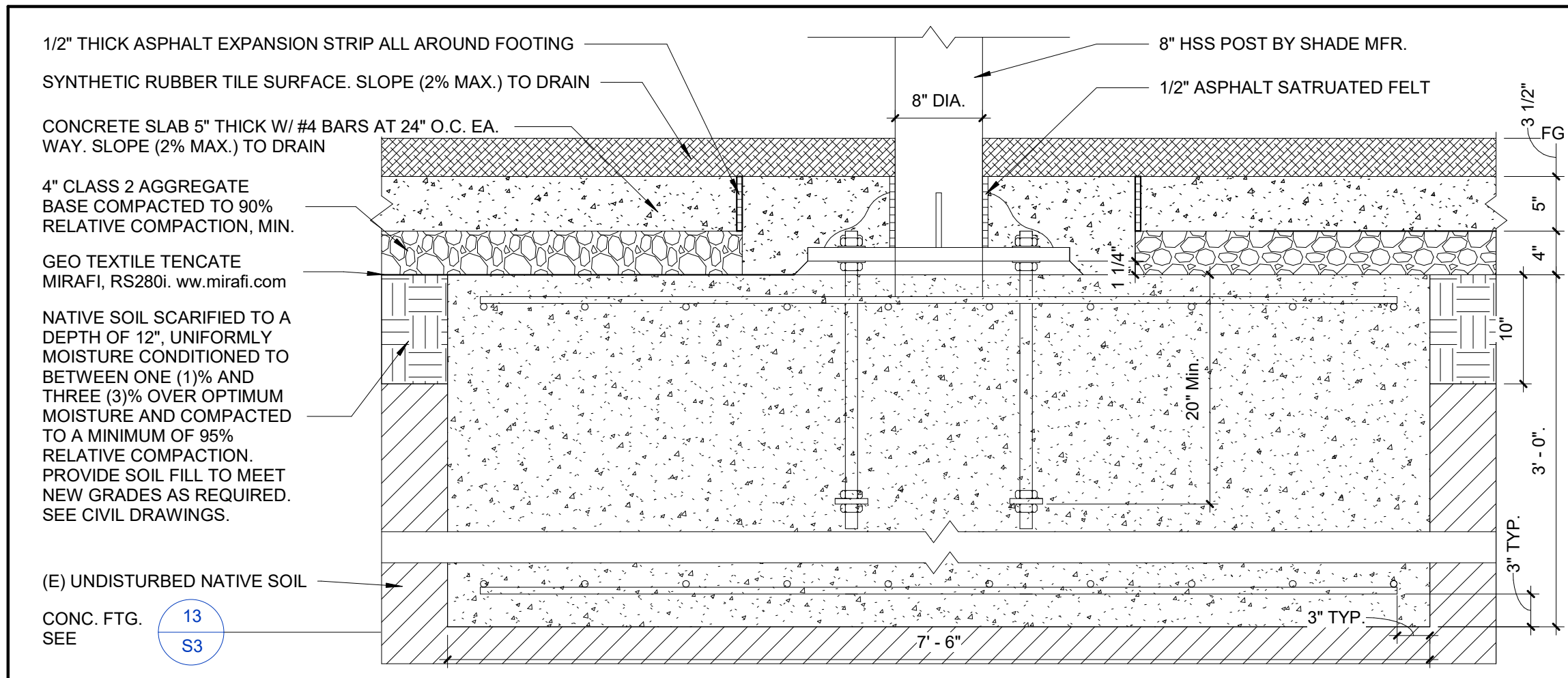
REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 02/01/2024  
DRAWN BY: HD

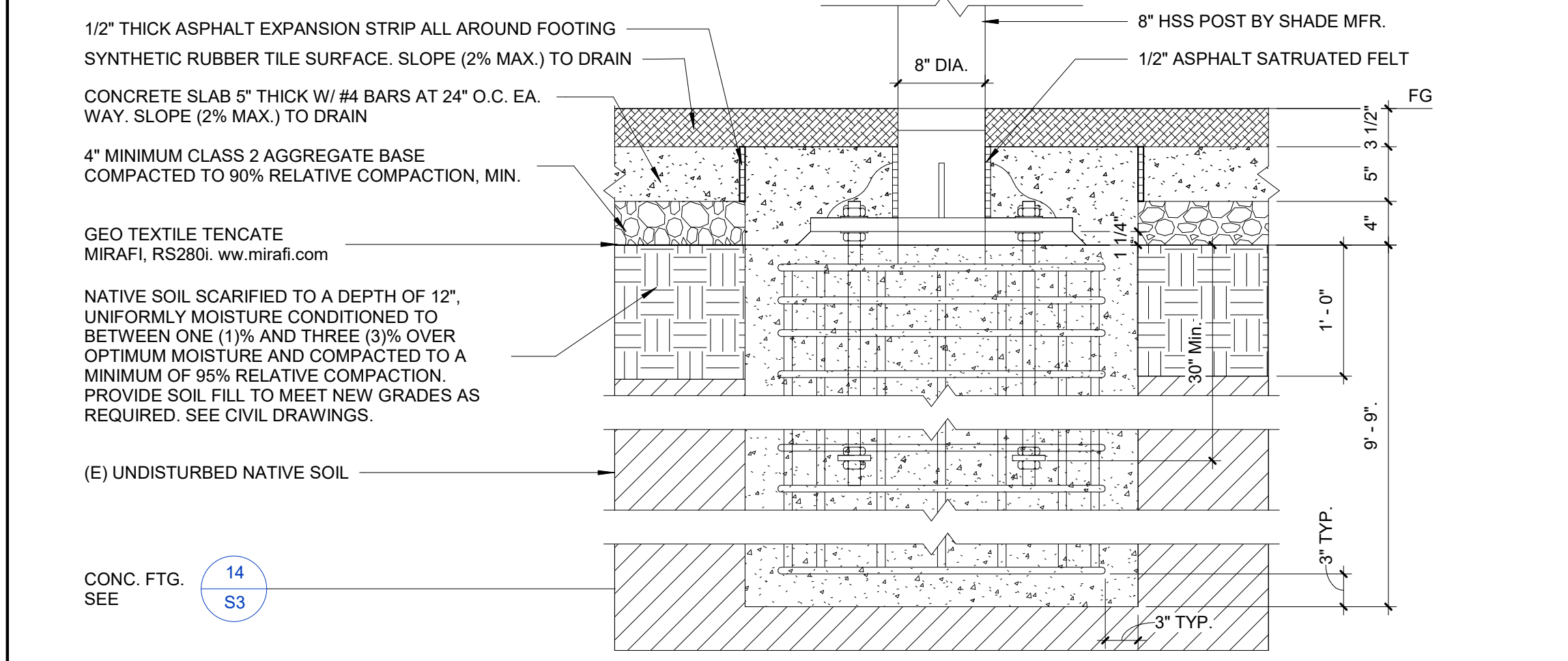
EXISTING  
ACCESSIBLE  
RESTROOMS  
SERVING PROJECT

A1.5

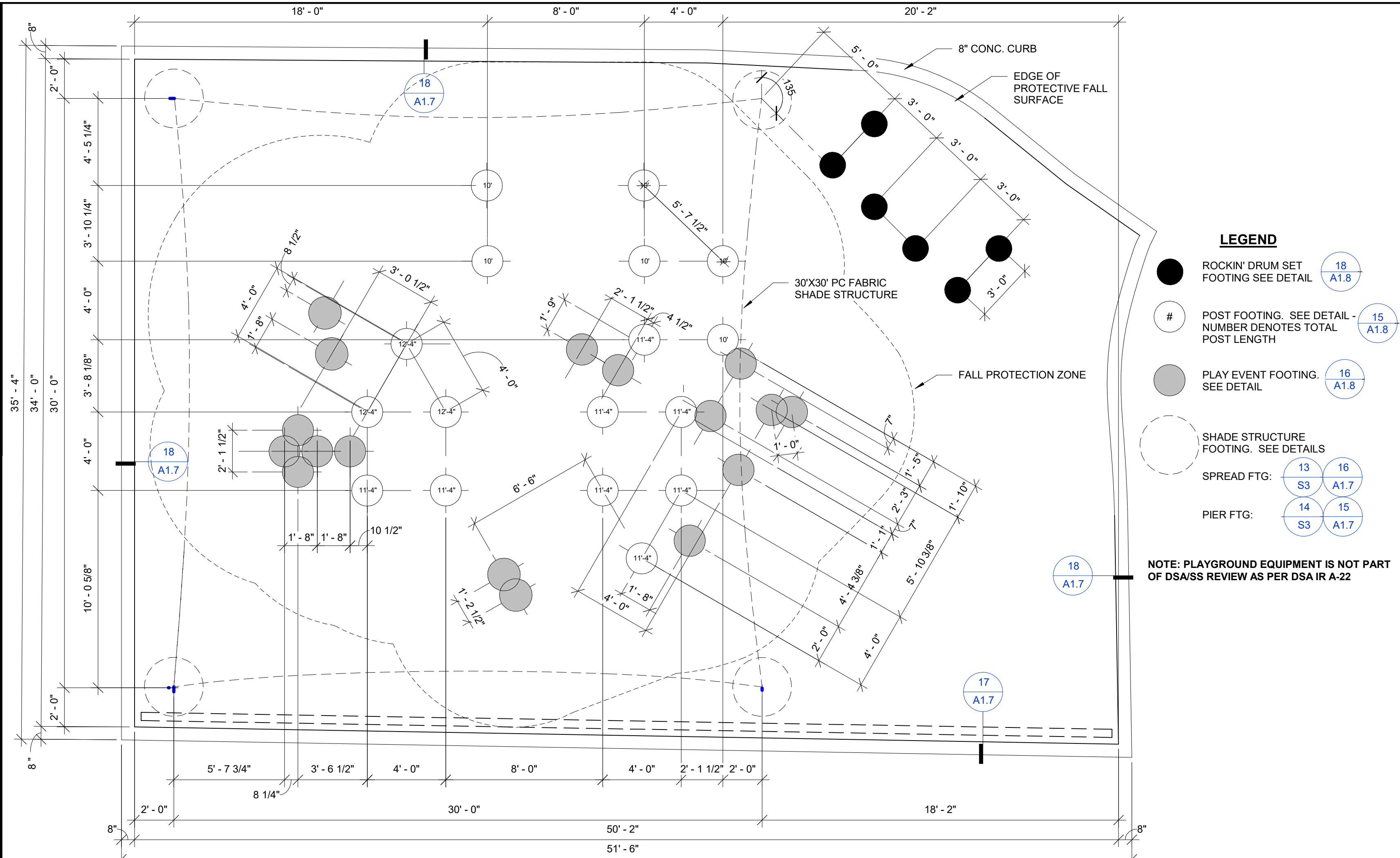




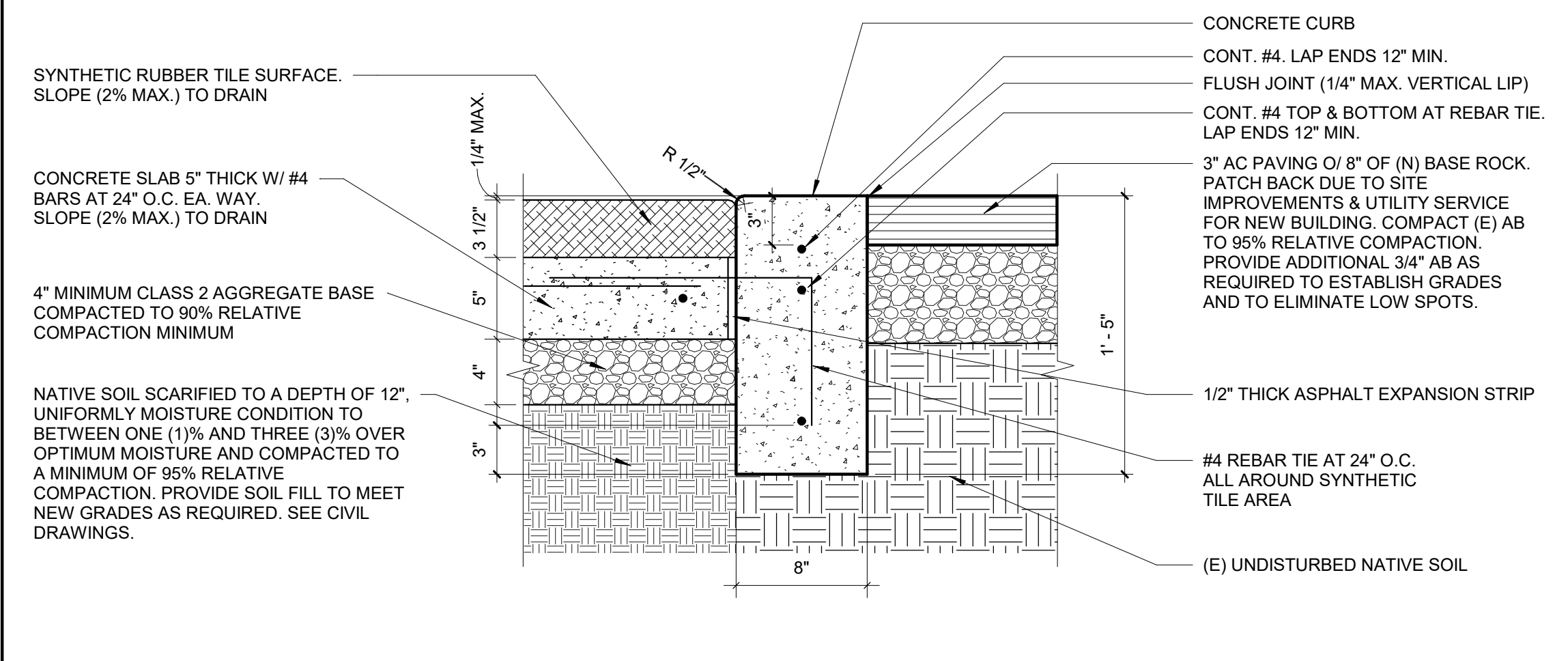
**16 SHADE STRUCTURE SPREAD FOOTING OPTION DETAIL**  
 SCALE: 1" = 1'-0"  
 FILENAME: 32\_16\_62



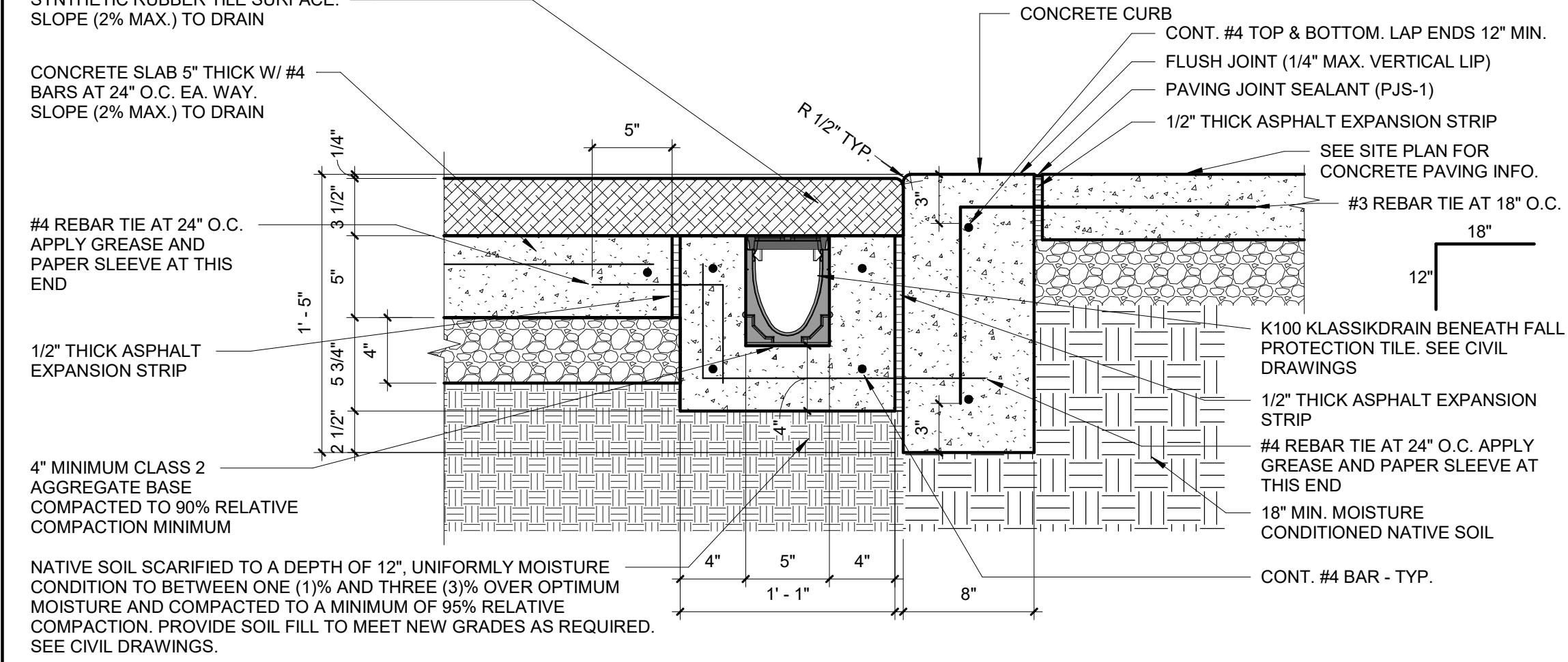
**15 SHADE STRUCTURE PIER FOOTING OPTION DETAIL**  
 SCALE: 1" = 1'-0"  
 FILENAME: 32\_16\_62



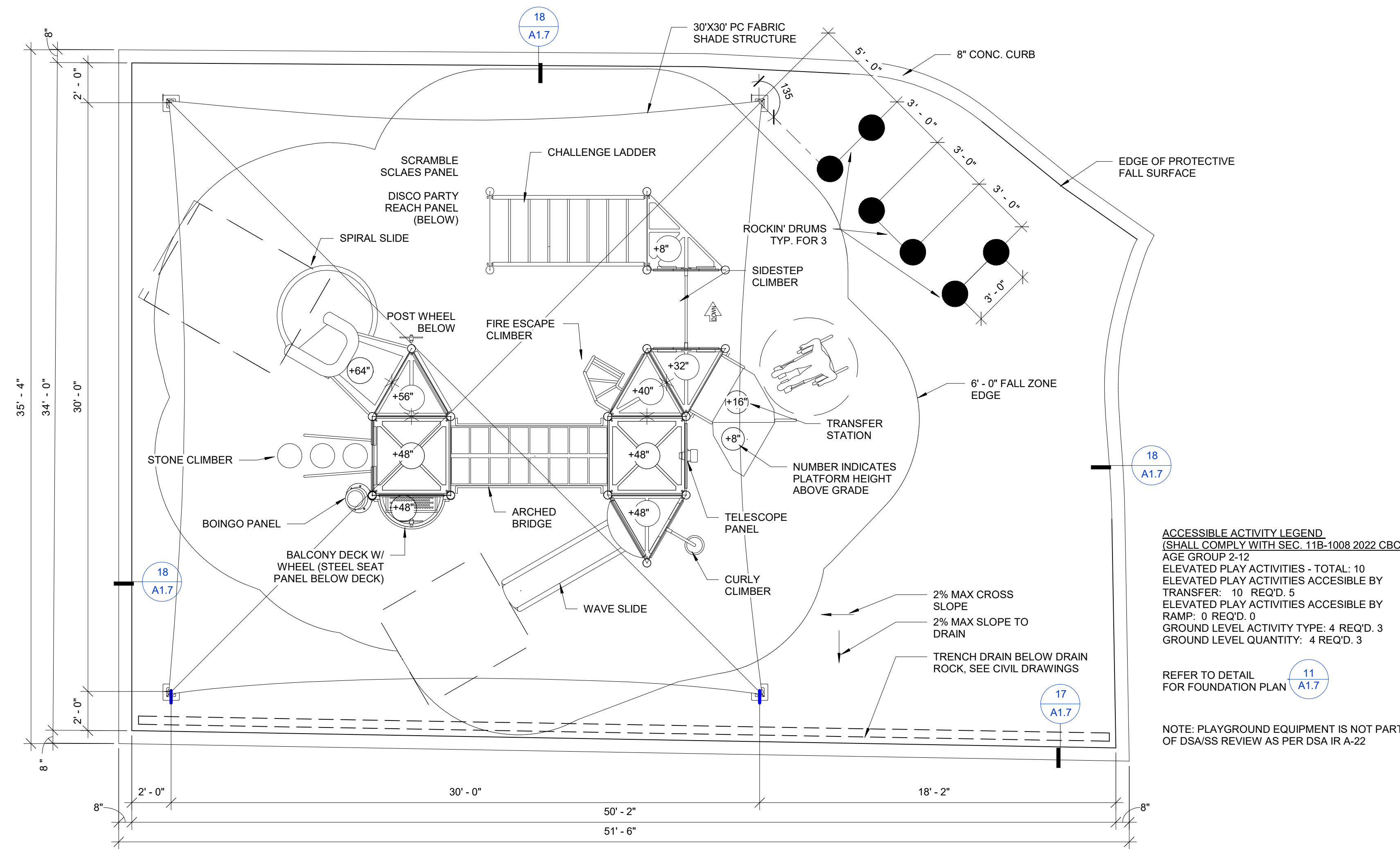
**11 PLAY STRUCTURE FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"  
 FILENAME: PLAY STRUCTURE PLAN



**18 CONCRETE CURB AT PLAY STRUCTURE AT AC PAVING**  
 SCALE: 1 1/2" = 1'-0"  
 FILENAME: 32\_16\_63



**17 CONCRETE CURB AT PLAY STRUCTURE TRENCH DRAIN**  
 SCALE: 1 1/2" = 1'-0"  
 FILENAME: 32\_16\_63



**9 PLAY STRUCTURE PLAN**  
 SCALE: 1/4" = 1'-0"  
 FILENAME: PLAY STRUCTURE PLAN

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

**LICENSED ARCHITECT**  
 TIMOTHY L. DEARBORN  
 C-25928  
 RENEWAL 12 / 2025  
 STATE OF CALIFORNIA

© 2023 ARCHITECTURICA

**BUSH ES LCAP PRE-K PLAYGROUND PROJECT**

5420 FRED RUSSO DR,  
 STOCKTON, CA 95212

STOCKTON UNIFIED SCHOOL DISTRICT

CONSULTANT

REVISIONS

NO.	DESCRIPTION

PROJECT NO: 2023-16  
 ISSUE SET: DESIGN DEV.  
 ISSUE DATE: 02/01/2024  
 DRAWN BY: HD

**ACCESSIBLE ACTIVITY LEGEND**  
 (SHALL COMPLY WITH SEC. 11B-1008 2022 CBC)  
 AGE GROUP 2-12  
 ELEVATED PLAY ACTIVITIES - TOTAL: 10  
 ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER: 10 REQ'D. 5  
 ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP: 0 REQ'D. 0  
 GROUND LEVEL ACTIVITY TYPE: 4 REQ'D. 3  
 GROUND LEVEL QUANTITY: 4 REQ'D. 3

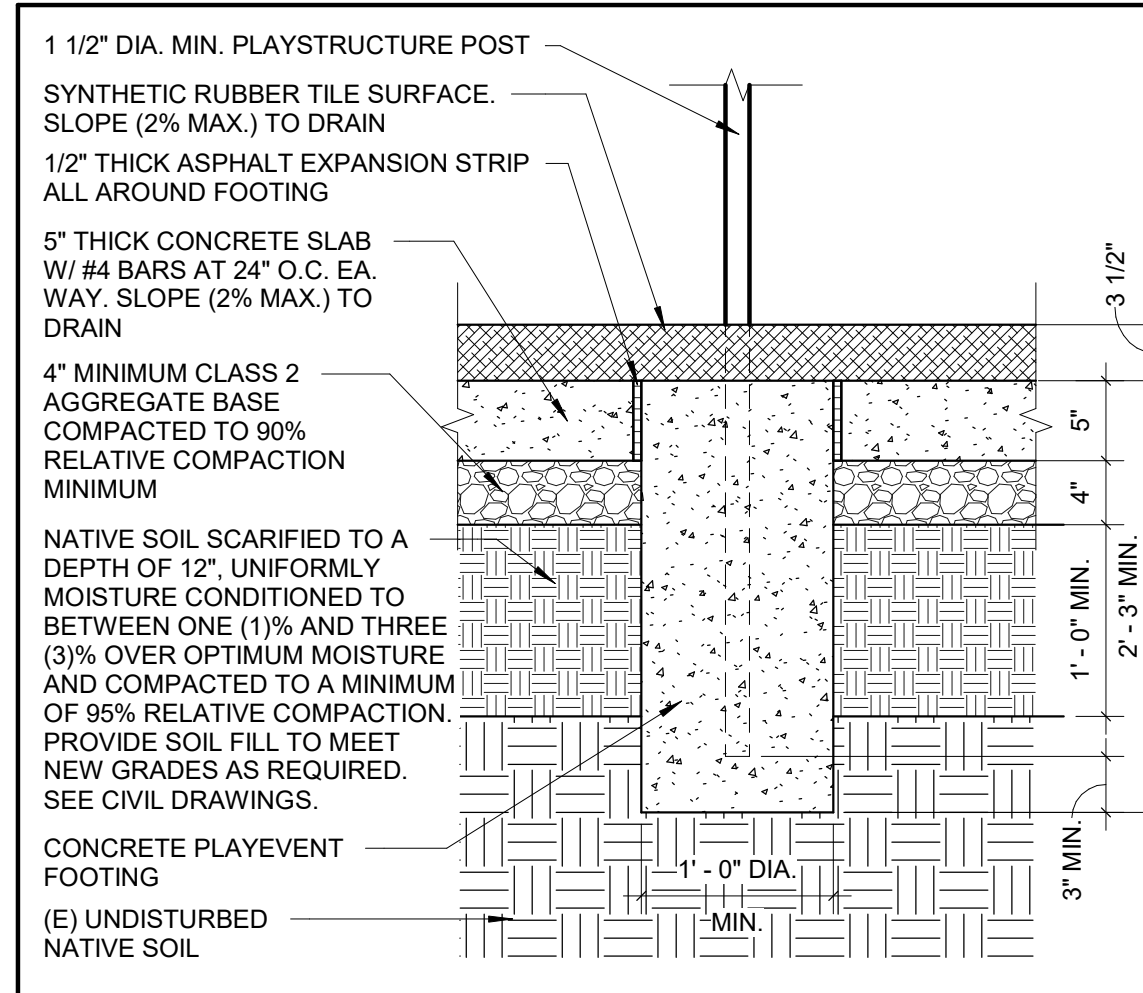
**SITE DETAILS**

REFER TO DETAIL FOR FOUNDATION PLAN 11 A1.7

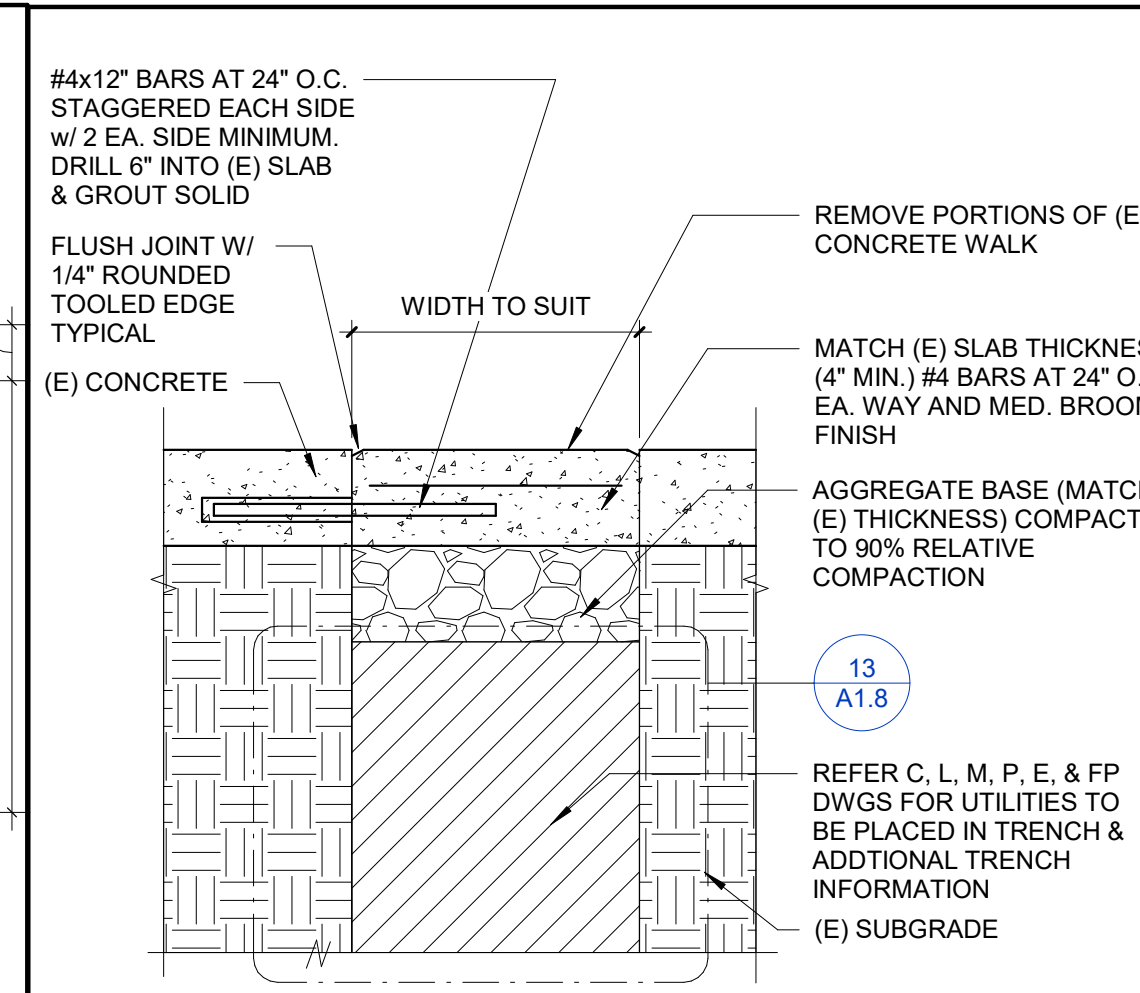
NOTE: PLAYGROUND EQUIPMENT IS NOT PART OF DSA/SS REVIEW AS PER DSA IR A-22

**A1.7**

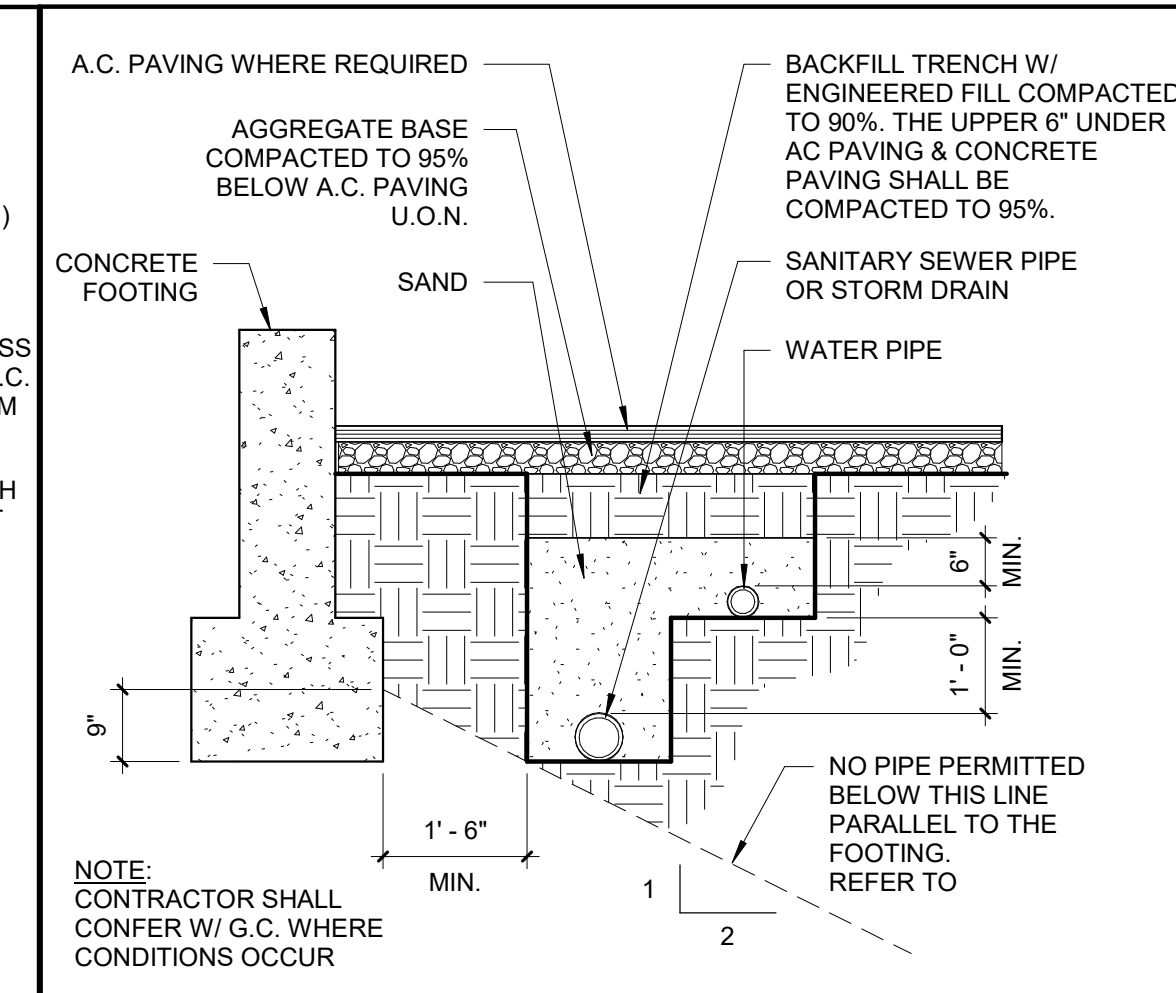
2/1/2024 4:04:53 PM



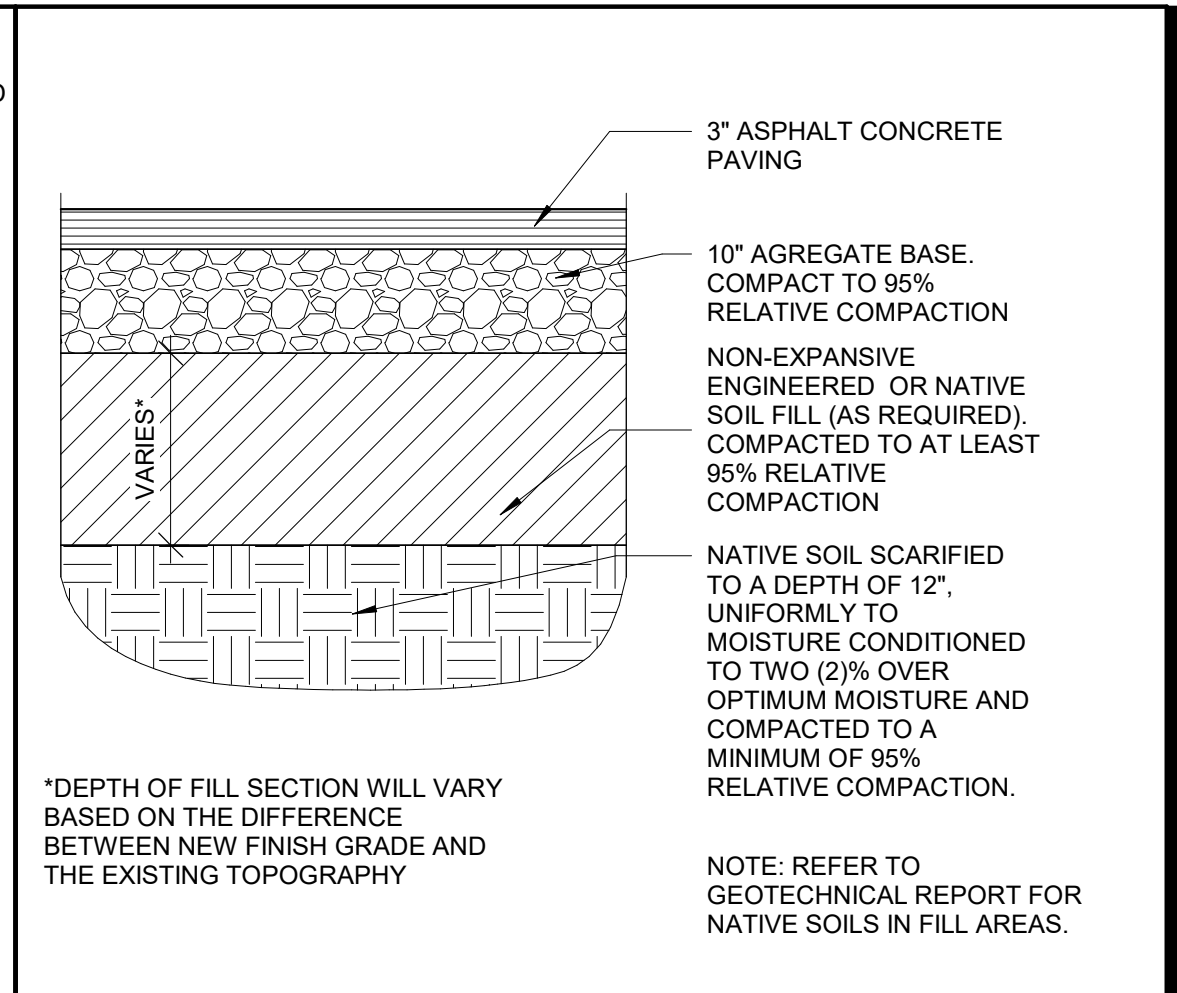
**16 PLAY STRUCTURE PLAY EVENT FOOTING**  
SCALE: 1" = 1'-0"  
FILENAME: 32\_16\_60



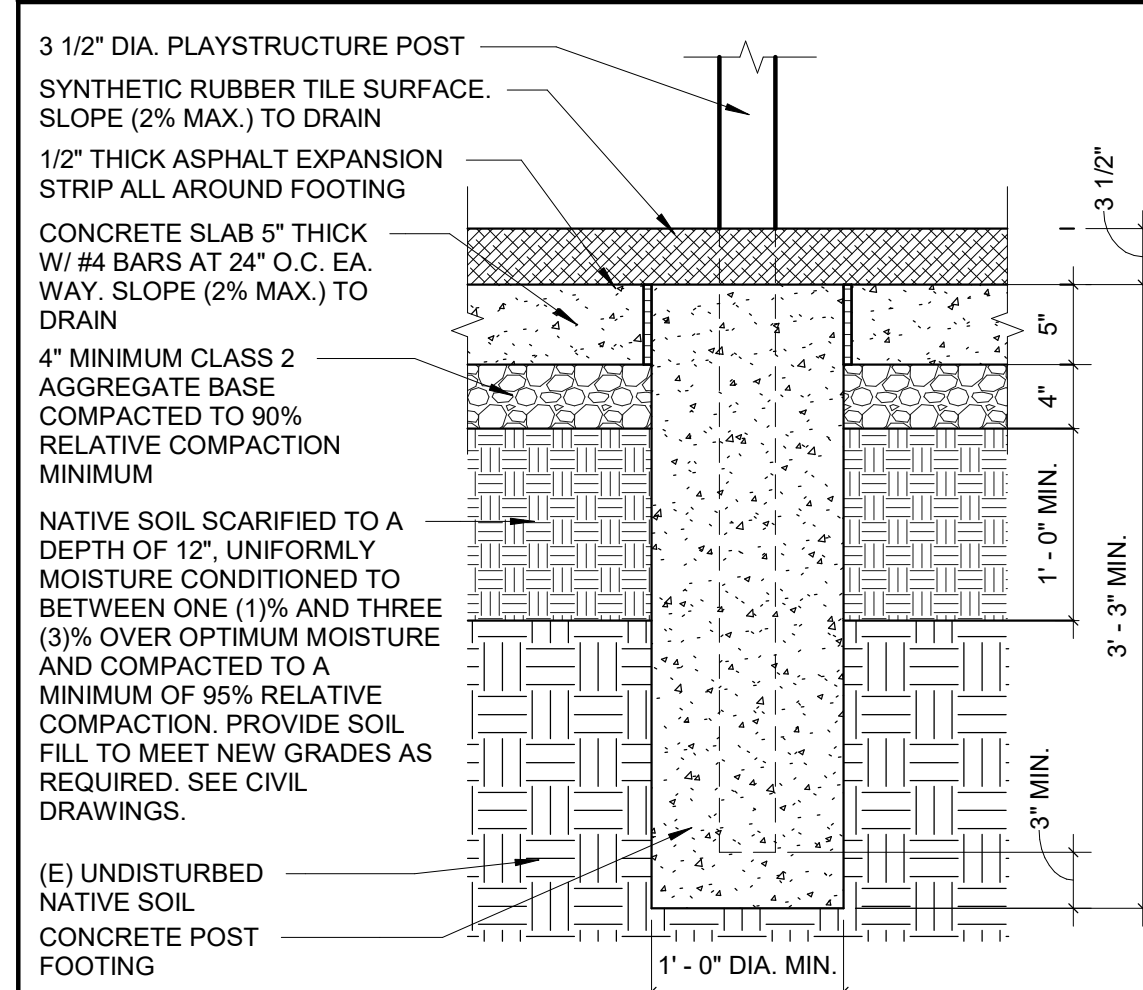
**12 UTILITY TRENCH AT CONC. WALKWAY**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_13\_05



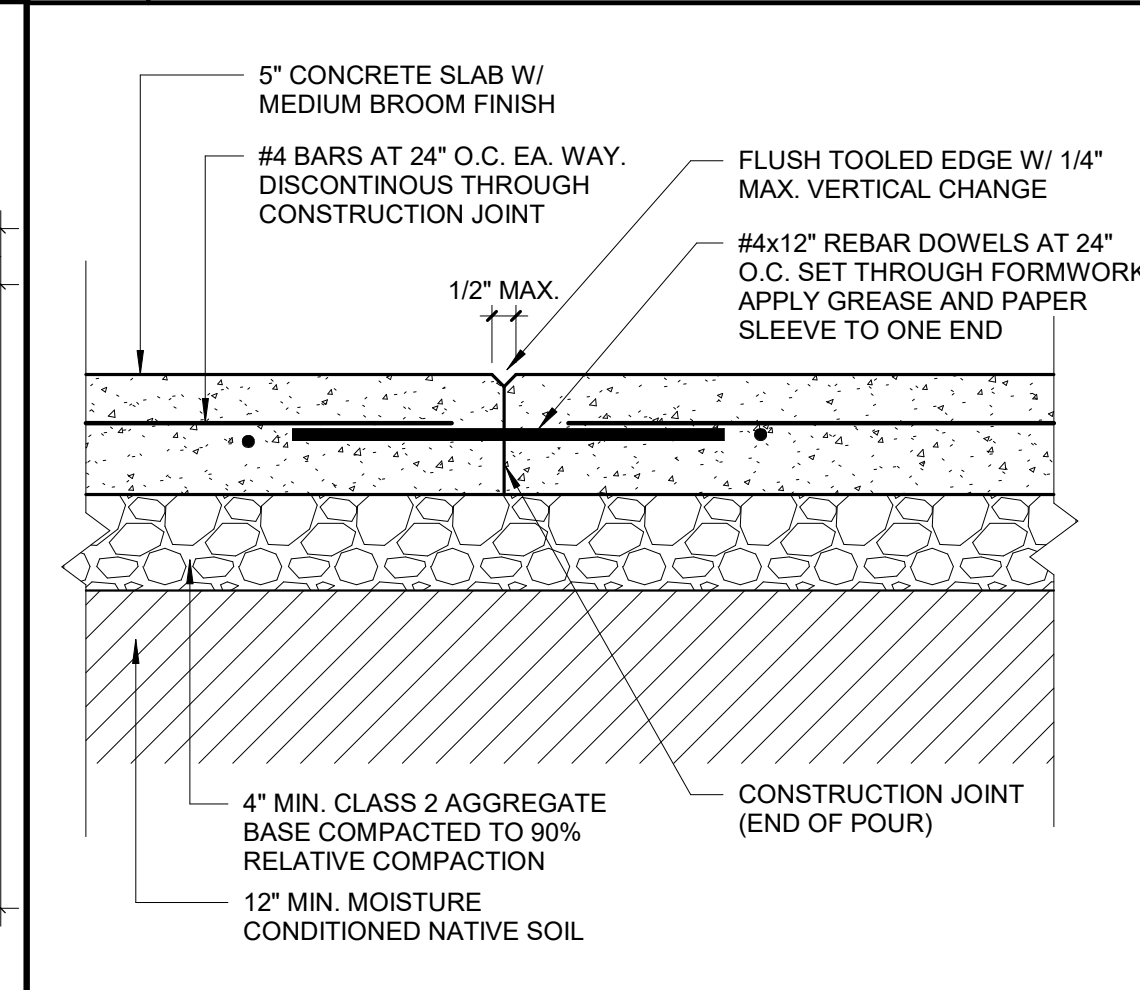
**8 EXTERIOR PIPE TRENCH**  
SCALE: 1/2" = 1'-0"  
FILENAME: 32\_05\_01



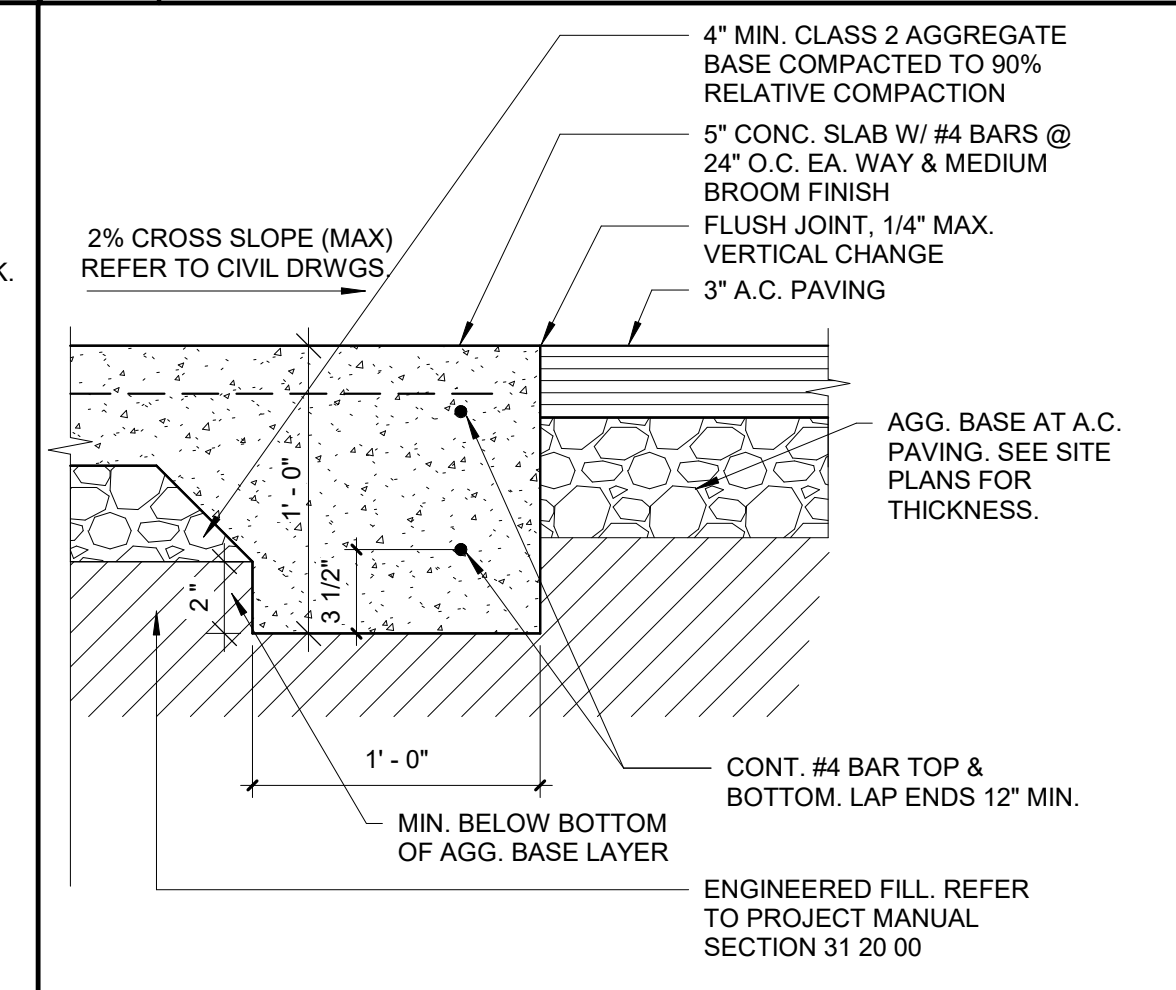
**4 AC PAVING SECTION**  
SCALE: 1" = 1'-0"  
FILENAME: 32\_12\_13



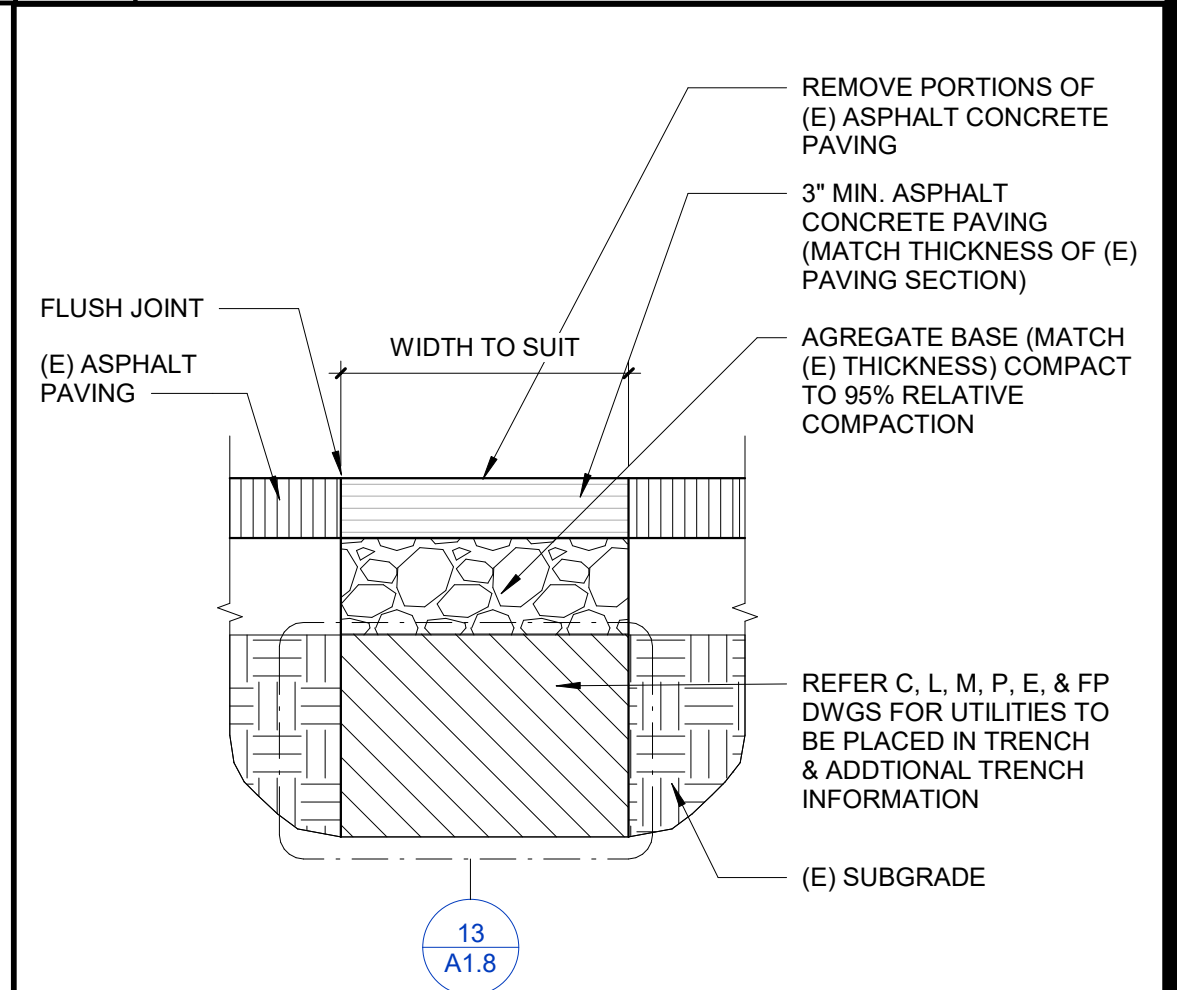
**15 PLAY STRUCTURE POST FOOTING**  
SCALE: 1" = 1'-0"  
FILENAME: 32\_16\_60



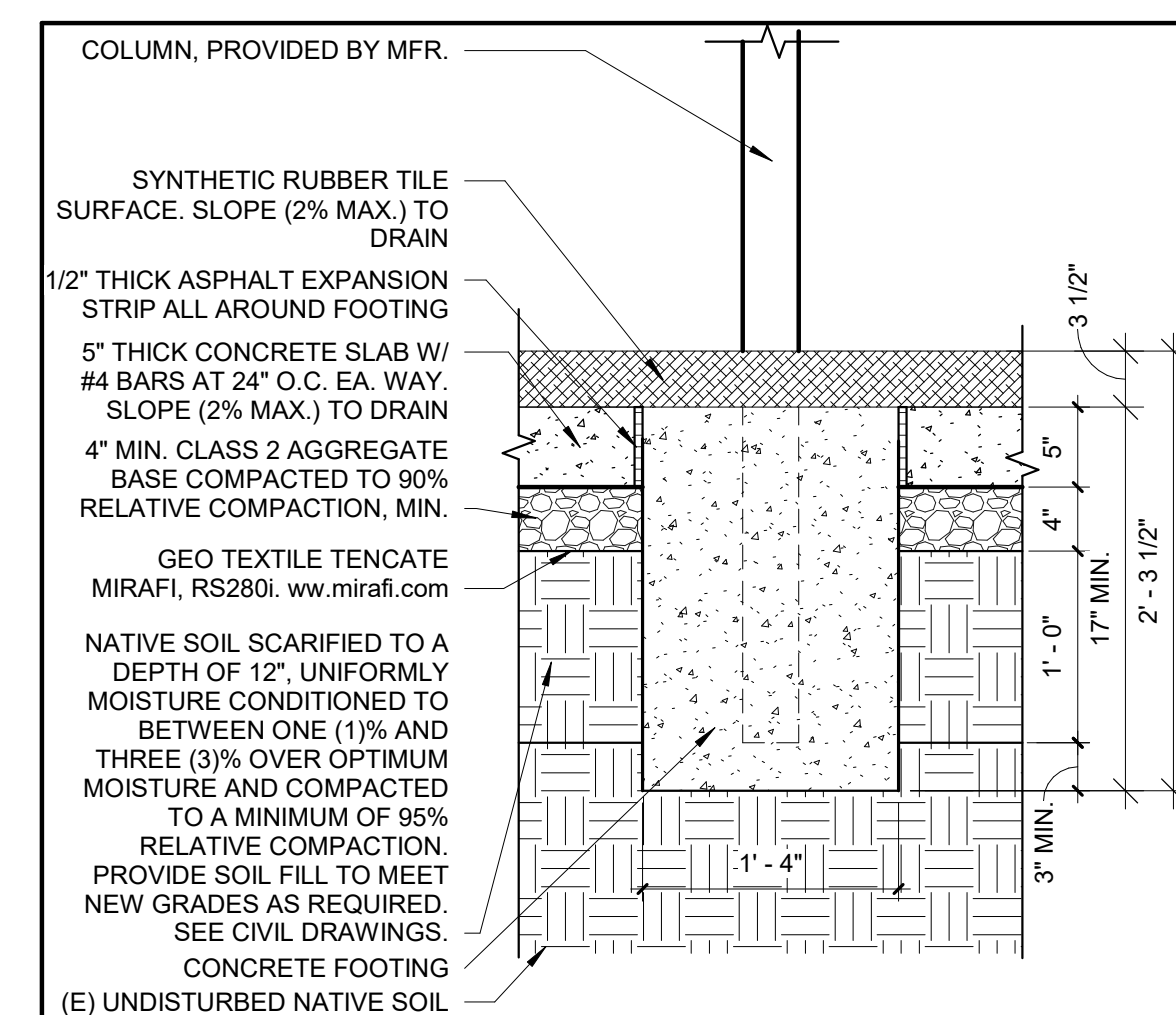
**11 CONSTRUCTION JOINTS**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_13\_39



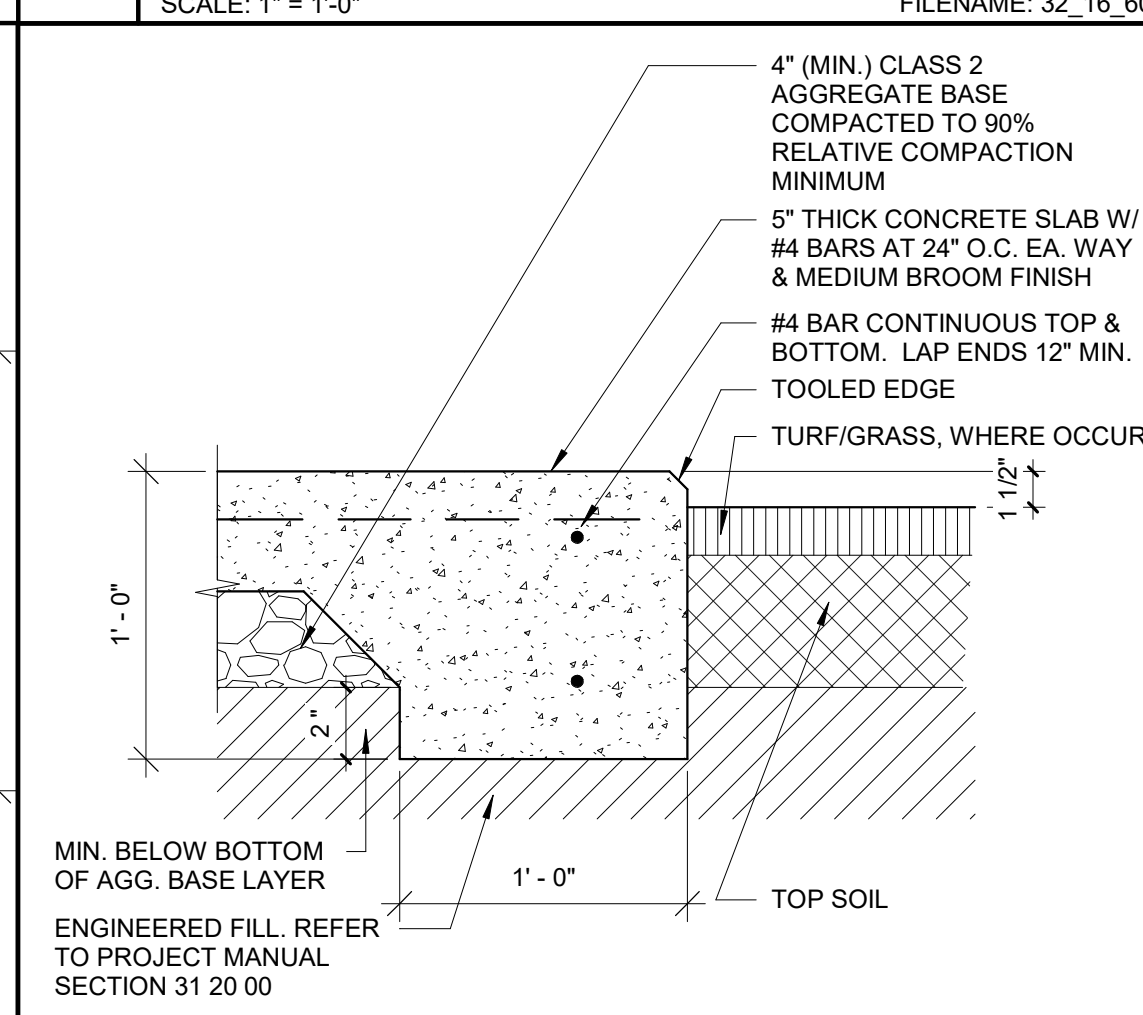
**7 SLAB EDGE / AC PAVING**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_13\_52



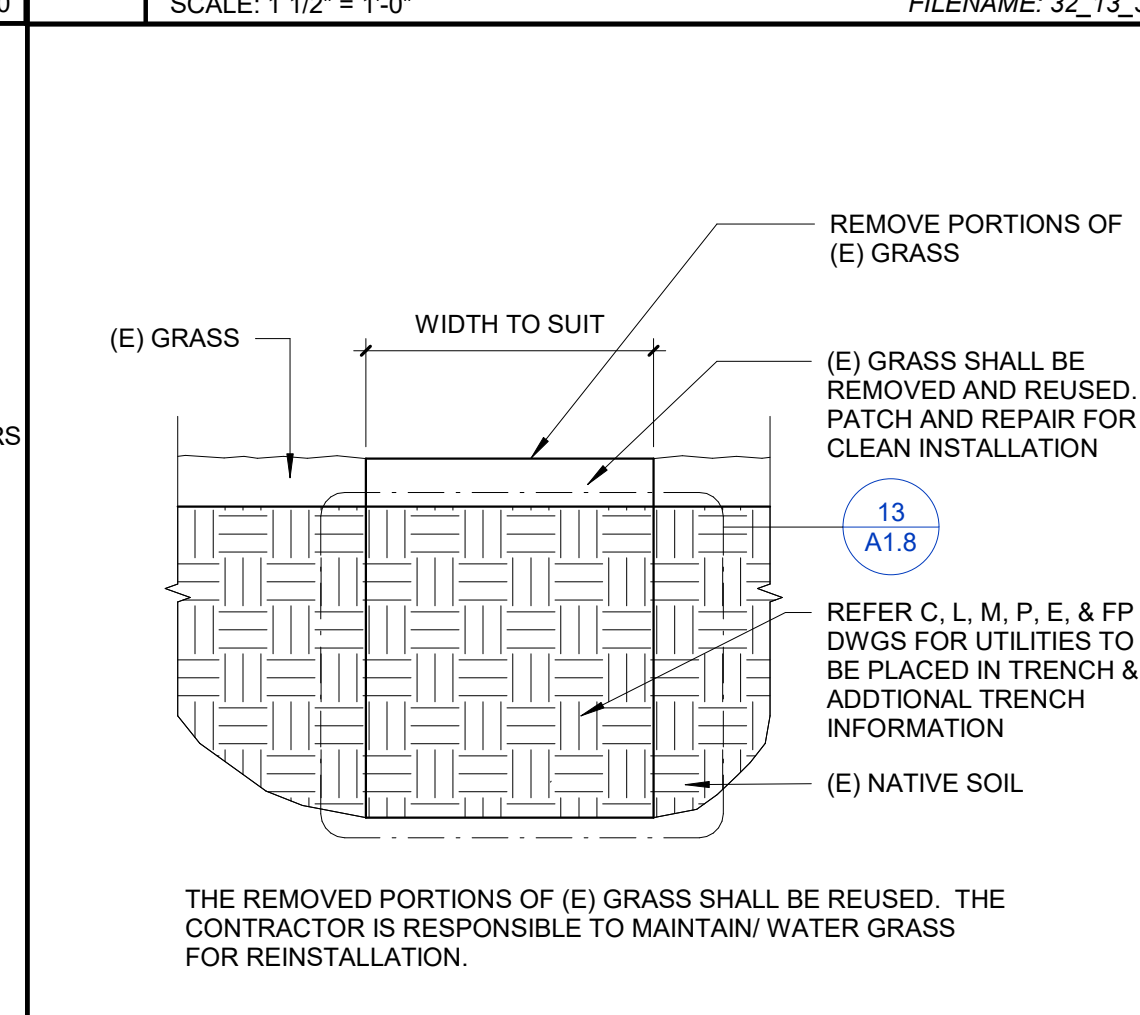
**3 UTILITY TRENCH AT AC PAVING**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_12\_04



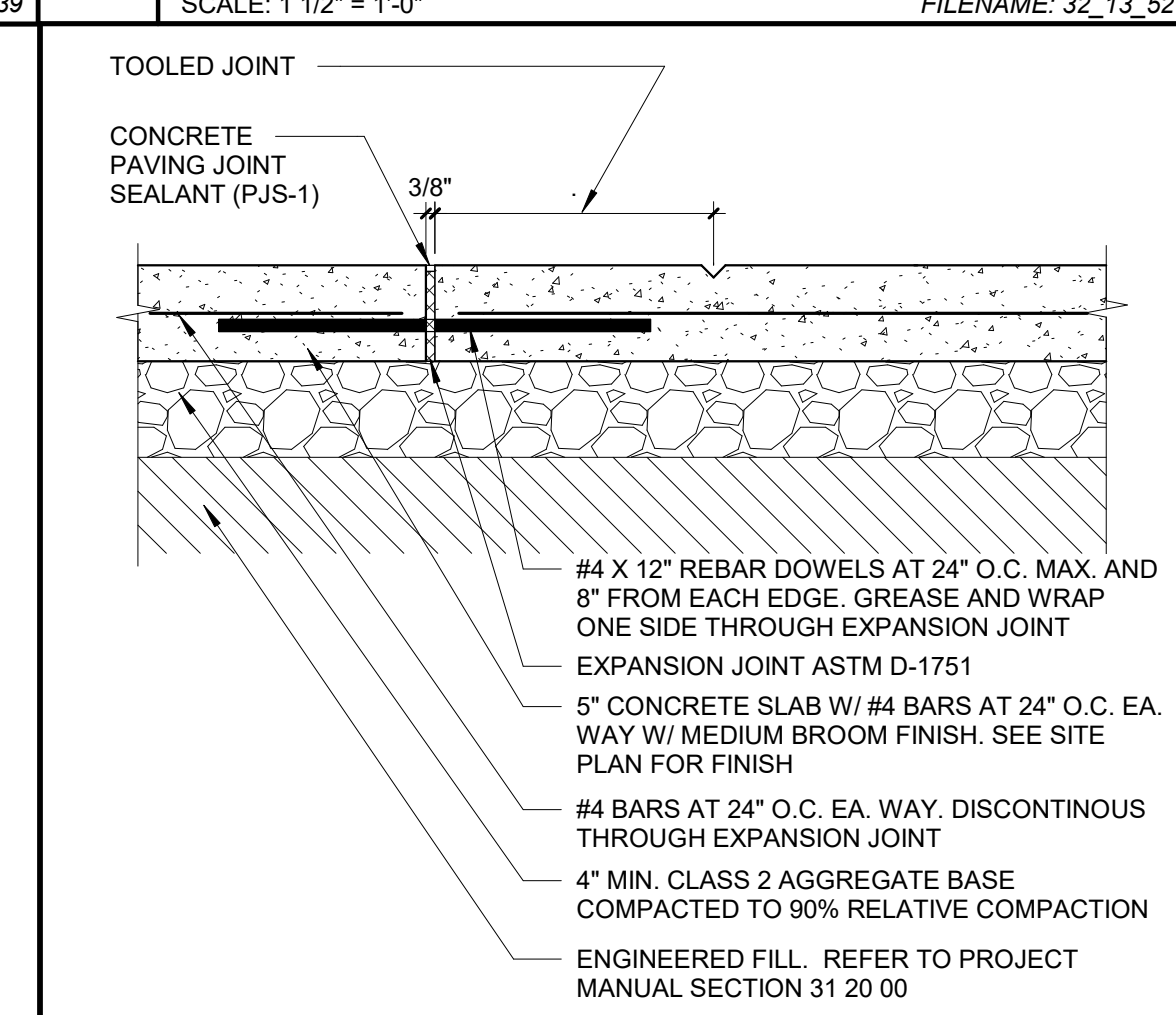
**18 BIG TOYS (2-5) GROUND LEVEL FTG.**  
SCALE: 1" = 1'-0"  
FILENAME: 32\_16\_63



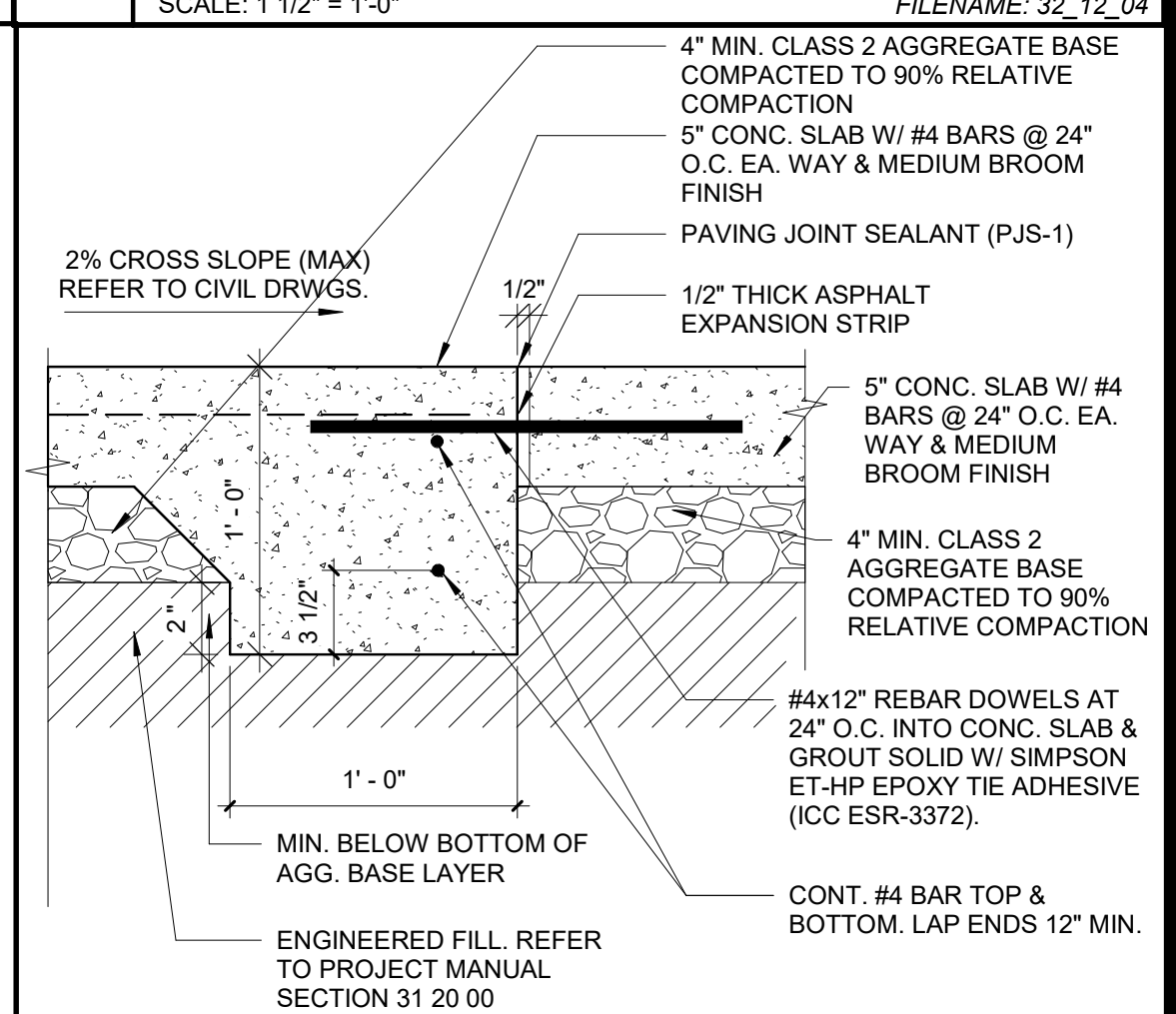
**14 CONCRETE SLAB EDGE**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_13\_23



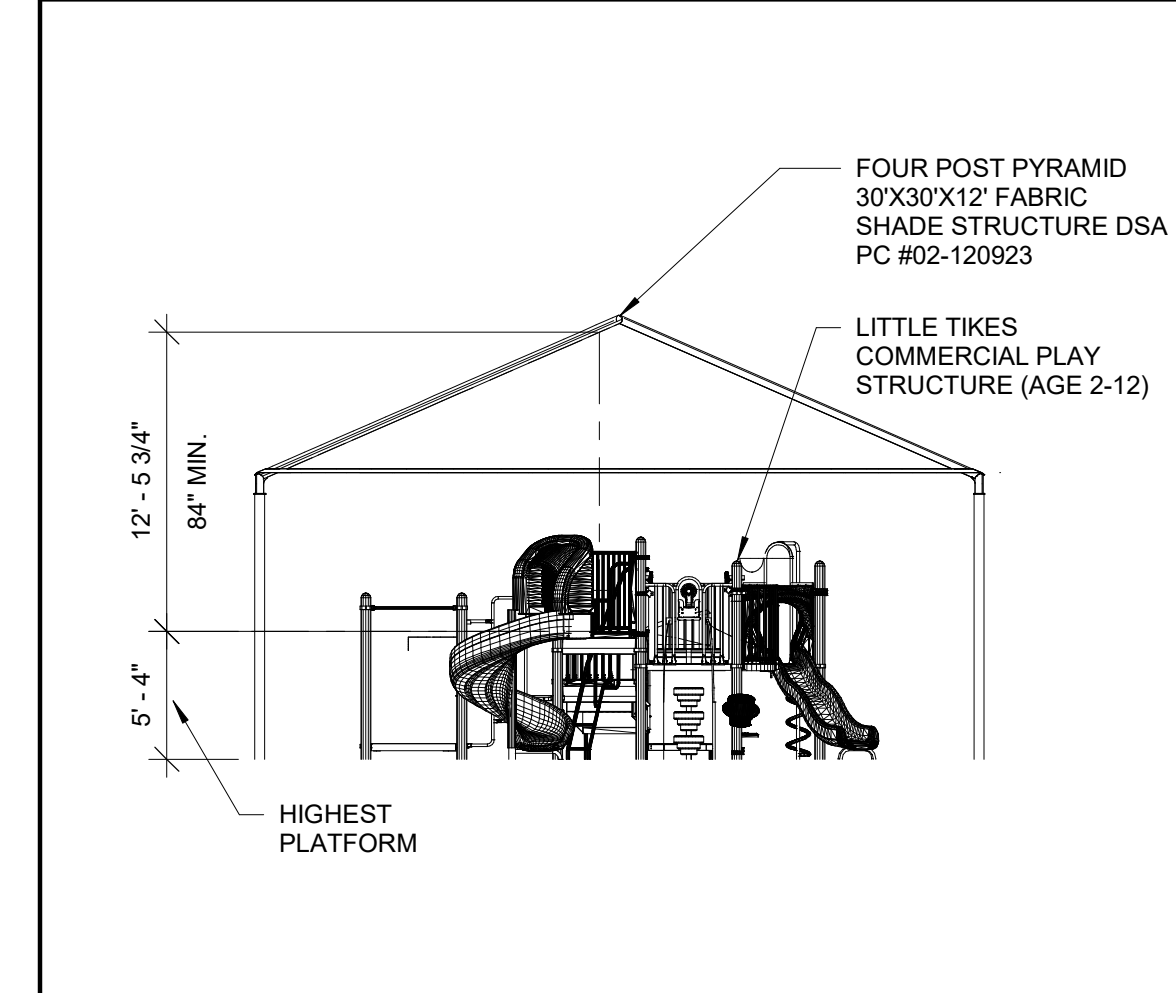
**10 UTILITY TRENCH AT (E) TURF**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_10\_01



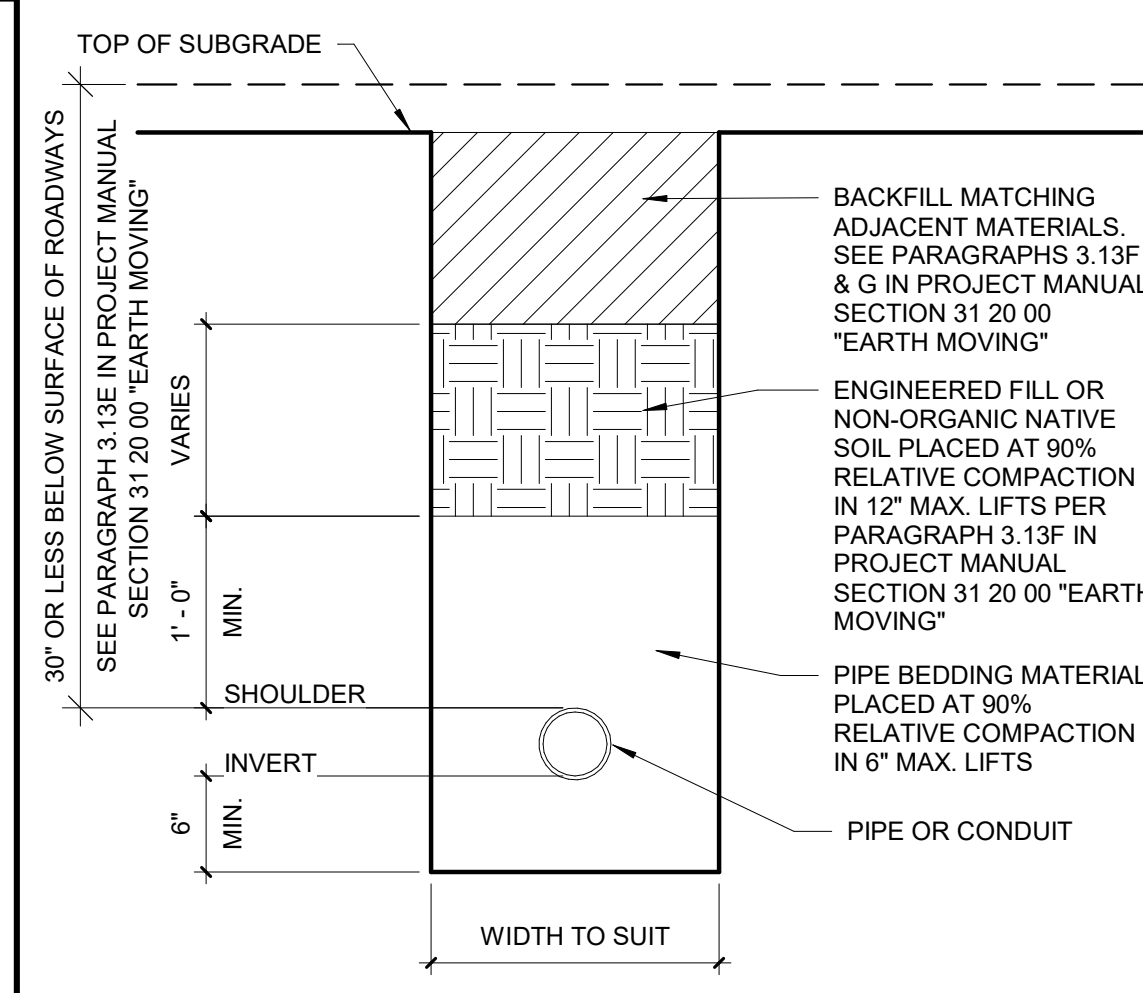
**6 EXPANSION JOINTS**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 03\_31\_08



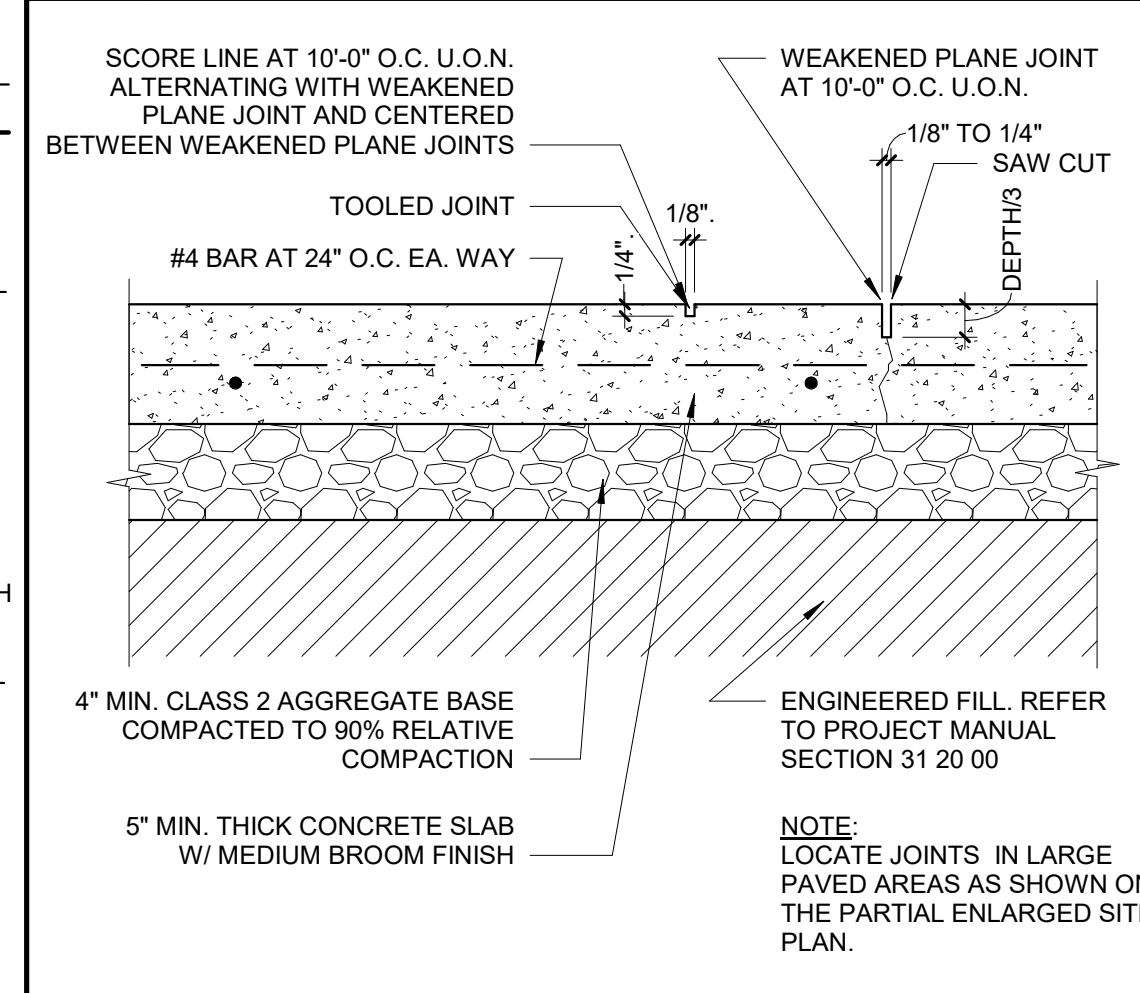
**2 SLAB EDGE / CONC WALK**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_13\_52b



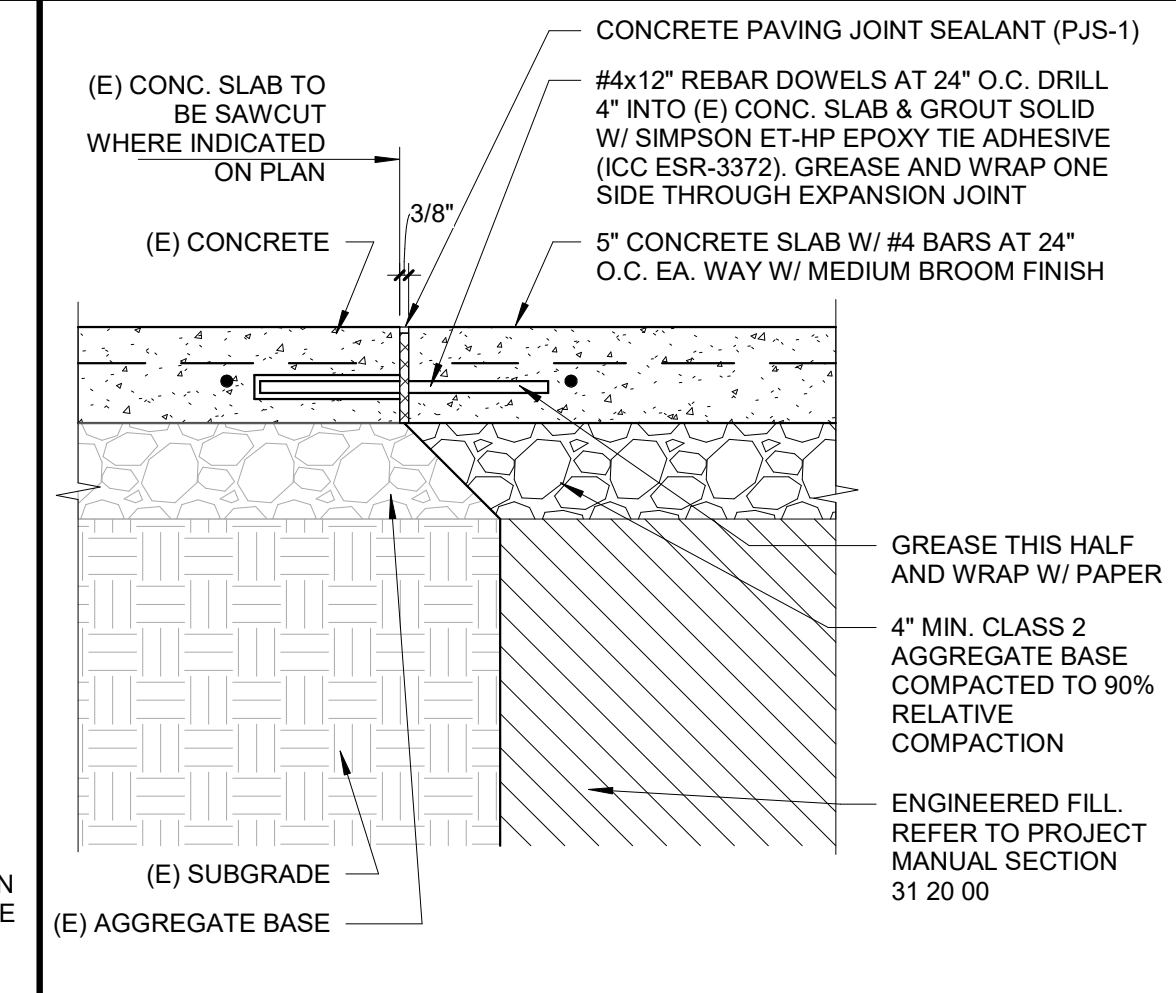
**17 PLAYGROUND SECTION**  
SCALE: 1/8" = 1'-0"  
FILENAME: 31\_05\_04



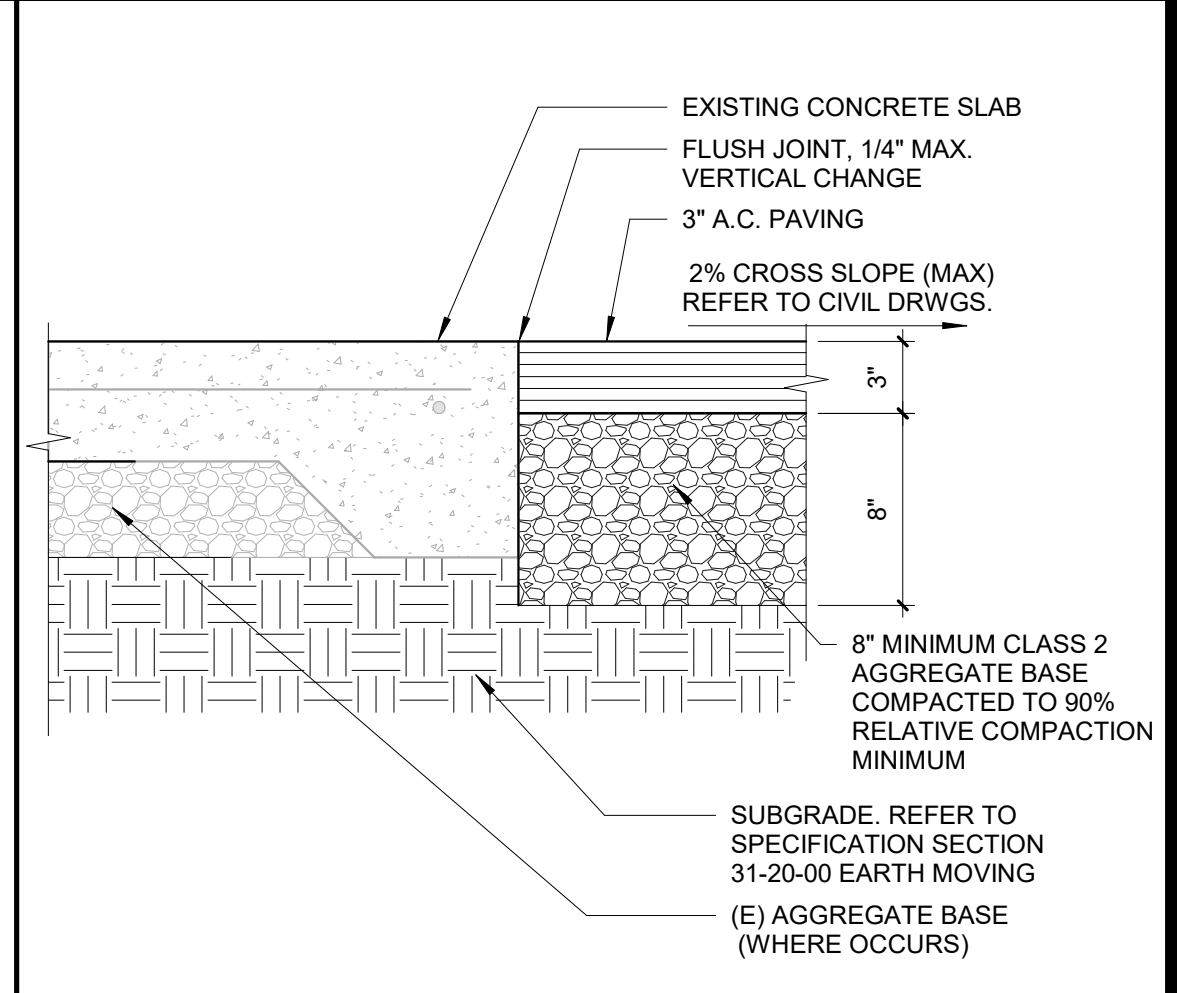
**13 TRENCH FILL DETAIL**  
SCALE: 1" = 1'-0"  
FILENAME: 31\_05\_04




**9 WEAKEN'D PLANE JOINTS/SCORE LINES**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_13\_40



**5 NEW WALK TO EXISTING WALK**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_13\_14




**1 AC PAVING AT (E) CONC. EDGE**  
SCALE: 1 1/2" = 1'-0"  
FILENAME: 32\_13\_53




**ARCHITECHNICA**

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

www.architechnica.net



© 2023 ARCHITECHNICA



**BUSH ES LCAP  
PRE-K PLAYGROUND  
PROJECT**

5420 FRED RUSSO DR,  
STOCKTON, CA 95212

STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 02/01/2024  
DRAWN BY: HVD, HD

A1.8

2/1/2024 4:01:54 PM



**General Notes:**

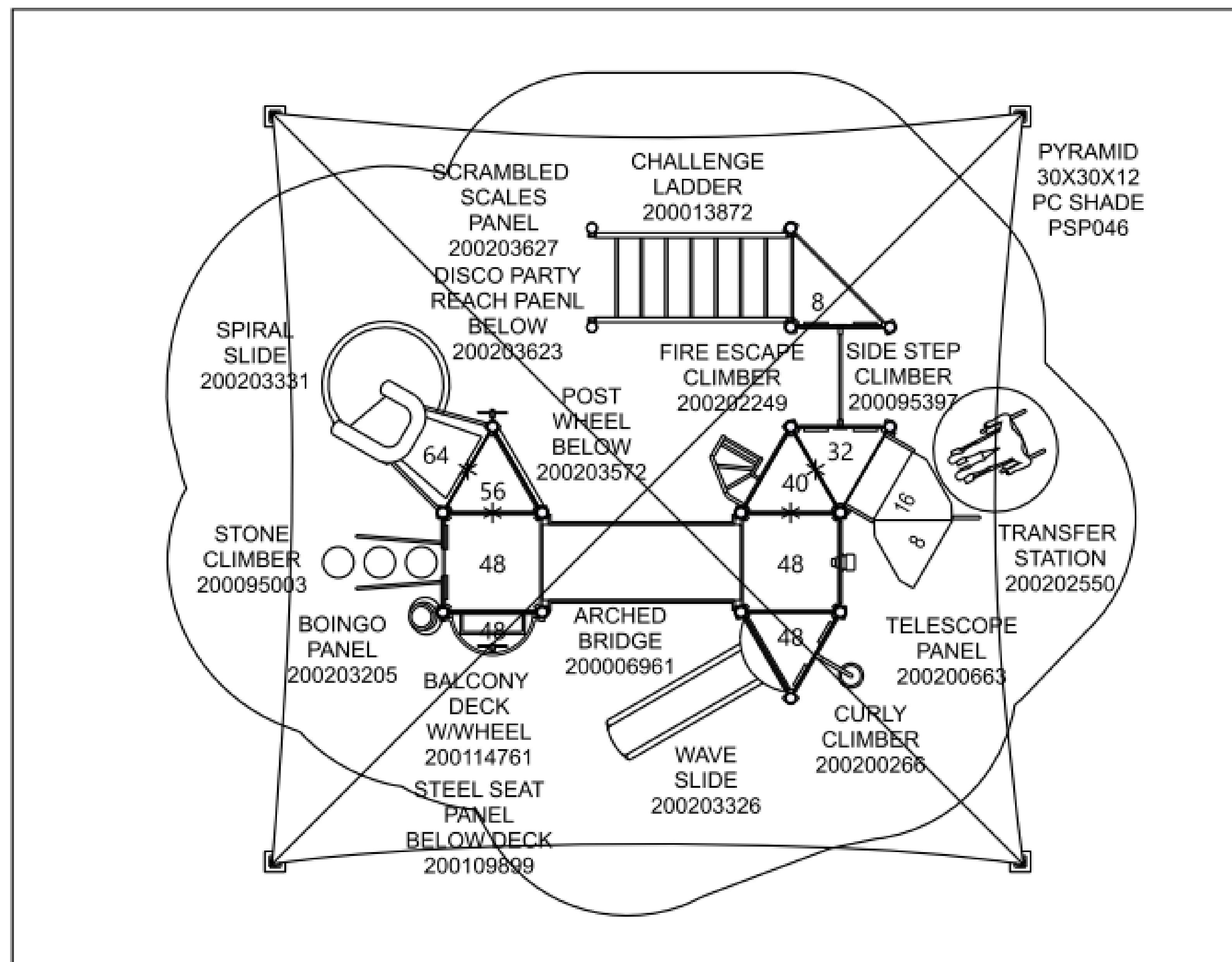
**Age Group**

2-5yrs  5-12 yrs  2-12yrs  13+ yrs

- The Americans with Disabilities Act (ADA) may require that you make your park and/or playground accessible when viewed in its entirety. Please consult your legal counsel to determine if the ADA applies to you.
- For playground equipment to be considered accessible, accessible surfacing must be utilized in applicable areas.
- Although a particular playground design may not meet the proposed Access Board Regulations in regards to the appropriate number of ground level events, the actual playground may be in compliance when considering existing play components.
- All deck heights are measured from top of ground cover.
- Fall absorbing ground cover is required under and around all play equipment.
- The minimum recommended fall zone around the entire playstructure is shown. This zone is to be free of all tripping or collision hazards (i.e. roots, rocks, border materials, etc.).
- All post lengths are identified by text showing the post lengths, i.e. 96 represents a 96 inch post.
- Not all equipment may be appropriate for all children. Supervision is required.

AGE GROUP: 2-12	
ELEVATED PLAY ACTIVITIES - TOTAL: 10	
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER: 10 REQ'D 0	
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP: 0 REQ'D 0	
GROUND LEVEL ACTIVITY TYPE: 4 REQ'D 3	
GROUND LEVEL QUANTITY: 4 REQ'D 3	

Accommodates 55-60 Children



Project:  
 Bush ES 2-12 Playground  
 Stockton, CA  
 LTCPS rep:  
 Glen Wurster  
 All About Play  
 (916) 923-2180

Ground Space: 33'-0" x 31'-0"  
 Protective Area: 39'-6" x 34'-0"

Drawn by: Glen Wurster  
 Date: 12/4/2023  
 DWG Name: R0317\_45263733160

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

**Playground Layout Compliance:**

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

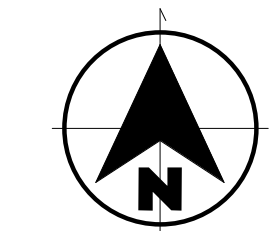
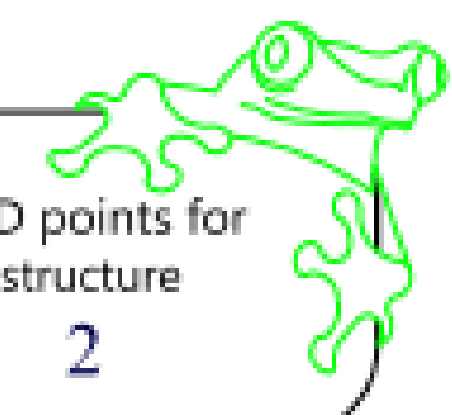
This playground design meets the final Access Board Regulations.



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

LEED points for this structure

2



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



© 2023 ARCHITECHNICA

CONSULTANT



**BUSH ES LCAP PRE-K PLAYGROUND PROJECT**

5420 FRED RUSSO DR,  
 STOCKTON, CA 95212  
 STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16  
 ISSUE SET: DESIGN DEV.  
 ISSUE DATE: 02/01/2024  
 DRAWN BY: Author

**PLAYGROUND LAYOUT COMPLIANCE**

**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	SO	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**

- VERTICAL LOADS
  - CANOPY LIVE LOAD = 5 psf (NON-REDUCIBLE)
  - CANVAS DEAD LOAD = 0.069 psf
  - SUPERIMPOSED LOAD = 0.5 psf (TEMPORARY LOAD)
  - LIVE LOAD = 5 psf
  - GROUND SNOW LOAD = 0 psf
- LATERAL LOADS
  - WIND (ASCE/SEI 7-16 DIRECTIONAL PROCEDURE)
    - ULTIMATE DESIGN WIND SPEED:  $V_{ULT} = 110$  mph
    - NOMINAL DESIGN WIND SPEED:  $V_{SD} = 85$  mph
    - EXPOSURE CATEGORY = "C"
    - RISK CATEGORY = II
    - CLASSIFICATION: OPEN STRUCTURE (CLEAR WIND FLOW),  $K_{zt} = 1.0$
    - WIND VELOCITY PRESSURE:  $q_h = 0.00256 K_z K_{zt} K_d V^2 = 22.38$  psf
    - NOTE: WIND IS BASED ON OPEN STRUCTURE WITH CLEAR WIND FLOW
  - 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  $S_{M1}$  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,  $F_a = 1.2$ ,  $F_v = 1.7$ ,  $S_{D5} = 2.0$ ,  $S_{D1} = 0.850$
    - REDUNDANCY FACTOR: FOR HIP STYLE  $\rho = 1.0$ , FOR UMBRELLA STYLE  $\rho = 1.3$
    - IMPORTANCE FACTOR:  $I_e = 1.0$
    - OVERSTRENGTH FACTOR:  $\Omega_p = 1.25$
    - 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
- ULTIMATE REACTION LOADS (MAX. LOADS)
  - 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)
  - 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)
      - 19.88 k-ft (MAX. MOMENT)
- PIER FRICTION RESISTANCE
  - PIER FRICTION COEFFICIENT:  $\mu = 0.3$
  - MAXIMUM PIER FRICTION RESISTANCE:  $f = 28$  k
- MINIMUM CLEARANCES
  - 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).
  - THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.

**GENERAL NOTES**

- MATERIAL SPECIFICATIONS
  - 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. ALL ALLOWABLE PIER FRICTIONAL UPLIFT CAPACITY = 250 PSF. 1/3 INCREASE FOR SHORT TERM LOADS IS NOT ALLOWED.
    - 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.
    - REINFORCING STEEL: ASTM A615, GRADE 60, EXCEPT STIRRUPS AND TIES SHALL BE GRADE 40.
    - PLATE STEEL: ASTM A36,  $F_y = 36$ ksi
    - SCHEDULE PIPE: ASTM A500 GRADE B&C,  $F_y = 46$  ksi
    - STRUCTURAL TUBES: ASTM A500 GRADE B,  $\phi \times 3'$   $F_y = 50$  ksi,  $\phi \times 3'$   $F_y = 50$  ksi. CORROSION PROTECTION SHALL BE TRIPLE COATED FLO-COAT® HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A 1057/A1057M.
    - MACHINED BOLTS: ASTM F593C/304 OR F593D/304 (LOCK NUTS ARE REQUIRED).
    - LOCK NUTS: ASTM F594; ASME B18.16.6
    - SELF-TAP SCREWS: AISI 410 SS
    - ANCHOR BOLTS: ASTM F1554 GRADE 36 MINIMUM
    - ANCHOR NUTS: ASTM A633
    - CABLE STEEL: 7x19 OR 8x36 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  $F_u = 16.3k$ .
    - 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. PRE TENSION FORCE ON 1/4"Ø = 0.10k, ON 5/16"Ø = 0.15k, ON 3/8"Ø = 0.20k, ON 7/16"Ø = 0.25k.
    - MAX. PRE TENSION 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.
    - WELDING ELECTRODES SHALL BE GMAW/ SEMI-AUTOMATIC, GRADE ER70S-6 PER AWS A-5.18
    - GROUT: NON-SHRINK, NON-METALLIC GROUT, SHALL MEET ASTM C1107, MIN.  $F_c = 5,000$  psi.
    - EXPOSED STEEL FASTENERS: ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE 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)
- WELDING
  - 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
- CABLE CLIPS & TURNBUCKLES
  - 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.
    - 3/16"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.
    - 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 = 30 lb-ft, FOR 3/8"Ø CABLE CLIPS = 45 lb-ft, FOR 7/16"Ø CABLE CLIPS = 65 lb-ft.
    - TURNBUCKLES SHALL BE AISI 316 STAINLESS STEEL. ALLOWABLE STRENGTH FOR 1/2"Ø  $S_a = 1.54k$ , 5/8"Ø  $S_a = 2.46k$ , FOR 3/4"Ø  $S_a = 3.52k$ .
- BOLT HOLES
  - 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
- CORROSION PROTECTION
  - 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
- FABRIC MATERIAL
  - FABRIC MATERIAL SHALL BE COMMERCIAL NINETYFIVE 340 FR FABRIC
  - MAXIMUM MODULUS OF ELASTICITY = 657 LB/IN PER FABRIC THICKNESS
  - THE FABRIC SHALL BE MANUFACTURED FROM HIGH DENSITY POLYETHYLENE POLYMER
  - NOMINAL WEIGHT = 10 oz/yd<sup>2</sup>
  - MIN. ULTIMATE BREAKING STRENGTH PER ASTM D 5034: WARP = 158.6 lbs, WEFT = 412.3 lbs
  - MAX. ELONGATION: WARP = 49%, WEFT = 89%
  - MIN. ULTIMATE TEAR STRENGTH PER ASTM D 2261: WARP = 43.0 lbf, WEFT = 39.6 lbf
  - ALLOWABLE STRENGTH OF SEAMS: 87.3 lb/in
  - FIRE RETARDANT RATING PER CSFM - TITLE 19, (LICENSE # : F-037801).
  - FABRIC SHADE STRUCTURES SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CBC SECTION 3102 AND 3105
  - FABRIC MATERIAL SHALL COMPLY WITH CBC SECTIONS 3102.3.1, 3105.3, AND CCR, TITLE 19, DIVISION 1, CHAPTER 8
- QUALITY CONTROL
  - 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.
  - 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 LABS CERTIFIED INSPECTOR.
  - 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. 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.
- STANDARD NOTES
  - ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
  - 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
  - A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR
  - A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT
  - 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.
  - THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c) PART 1, TITLE 24, CCR)
  - GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
  - 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.
  - 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.
  - 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)
  - THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.
  - AS PER IR PC-4.5.7: 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.
  - 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.
  - 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).
  - THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.
  - AS PER IR PC-4.5.7: 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.
  - MINIMUM SETBACK LIMIT FOR THE SHADE STRUCTURES AS PER FIGURE 1:

INDEX (Sheet Count: 5)	
#	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 ft<sup>2</sup> IN AREA, COMPLYING WITH THE REQUIREMENTS OF DSA IR A-4 SECTION 3.1.1, SUPPORTED ON ALL CORNERS (3 COLUMNS MINIMUM), A SITE-SPECIFIC GEOHAZARD REPORT IS NOT REQUIRED -OR-
- IF THE CANOPY SIZE IS < 4,000 ft<sup>2</sup> IN AREA AND THERE IS A GEOTECHNICAL REPORT PROVING THAT NO POTENTIAL FOR LIQUEFACTION EXISTS, A SITE-SPECIFIC GEOHAZARD REPORT IS NOT REQUIRED
- THE CANOPY SIZE PROVIDES THE MINIMUM REQUIRED AREA FOR THE SELECTED ASSEMBLY USE AND DESIRED OCCUPANCY LOAD (SEE ASSEMBLY USE SELECTION CHECKLIST)

**OCCUPANCY USE SELECTION CHECKLIST**

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

- ASSEMBLY GROUP A-2
- ASSEMBLY GROUP A-3
- BUSINESS GROUP B
- EDUCATIONAL GROUP E
- INTENDED OCCUPANCY LOAD 45 PERSONS

**SITE-SPECIFIC CODE ANALYSIS**

THIS SECTION IS TO BE FILLED OUT BY THE ARCHITECT OF RECORD FOR SITE-SPECIFIC APPROVAL  
 TYPE OF CONSTRUCTION: TYPE IIB  
 FIRE SPRINKLER: NO  
 ALLOWABLE AREA = 14,500 ft<sup>2</sup>

CODE ANALYSIS			
OCCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTURE AREA (ft <sup>2</sup> )
E	20 SF/ PERSON	45	900

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

**CANOPY SIZE SELECTION CHECKLIST**

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

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

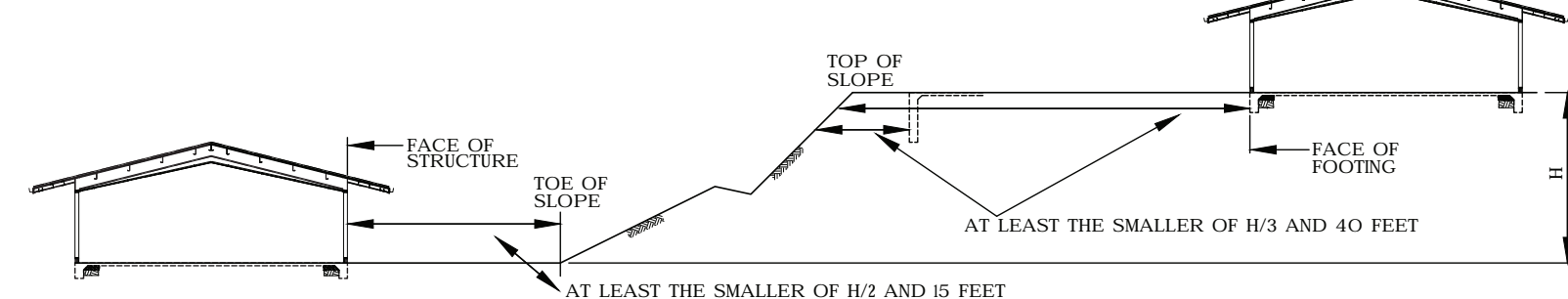
**HIP STYLE SIZE**

- |   |   |
|---|---|
| <input type="checkbox"/> 10' x 20'            | <input type="checkbox"/> 9'             |
| <input type="checkbox"/> 15' x 20'            | <input type="checkbox"/> 10'            |
| <input type="checkbox"/> 18' x 36'            | <input checked="" type="checkbox"/> 12' |
| <input type="checkbox"/> 20' x 20'            |   |
| <input type="checkbox"/> 20' x 30'            |   |
| <input type="checkbox"/> 20' x 40'            |   |
| <input type="checkbox"/> 25' x 25'            |   |
| <input type="checkbox"/> 25' x 30'            |   |
| <input checked="" type="checkbox"/> 30' x 30' |   |
| <input type="checkbox"/> 30' x 40'            |   |

**UMBRELLA STYLE SIZE**

- |                              |                              |
|------------------------------|------------------------------|
| <input type="checkbox"/> 12' | <input type="checkbox"/> 9'  |
| <input type="checkbox"/> 20' | <input type="checkbox"/> 10' |
|                              | <input type="checkbox"/> 12' |

FIG. 1: FOUNDATION CLEARANCES FROM SLOPE



DSA IDENTIFICATION STAMP

**SUPERIOR**  
RECREATIONAL PRODUCTS

Shade

SUPERIOR SHADE  
150 Adamson Industrial Blvd.  
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP  
COVER SHEET

COPYRIGHT:  
THIS PLAN/DRAWING IS THE EXCLUSIVE  
PROPERTY OF THE MANUFACTURER AND MAY  
NOT BE USED OR REPRODUCED WHOLE OR  
IN PART WITHOUT THE WRITTEN PERMISSION  
FROM THE MANUFACTURER.

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: 02-120923 PC  
REVIEWED FOR  
SS  FLS  ACS  CG   
DATE: 9/21/2023

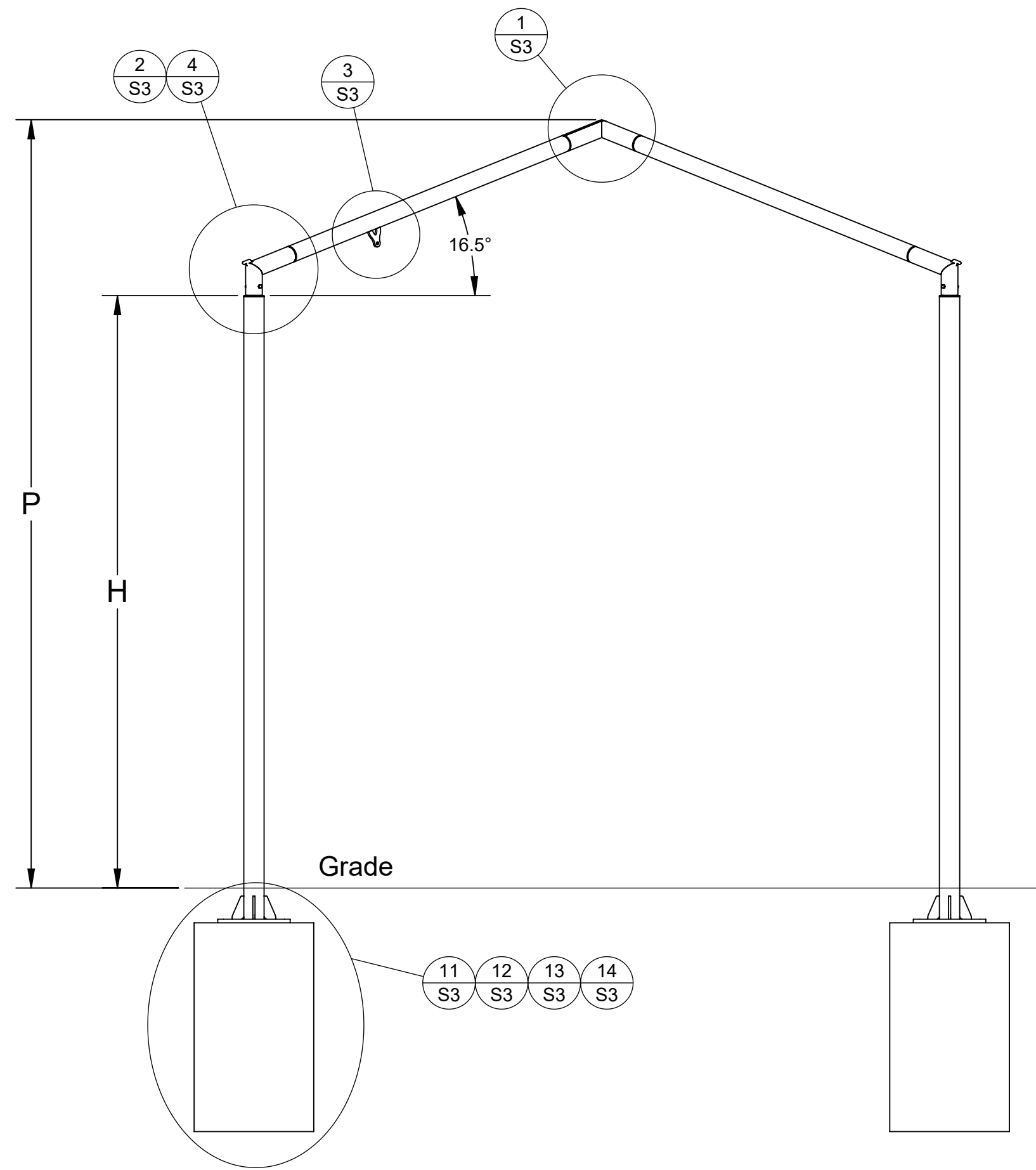
SITE PROJECT NAME:  
DISTRICT/OWNER:  
LOCATION/ADDRESS:

Revisions		
Date:	By:	
0	12/18/2022	KJK
1	8/16/2023	KJK

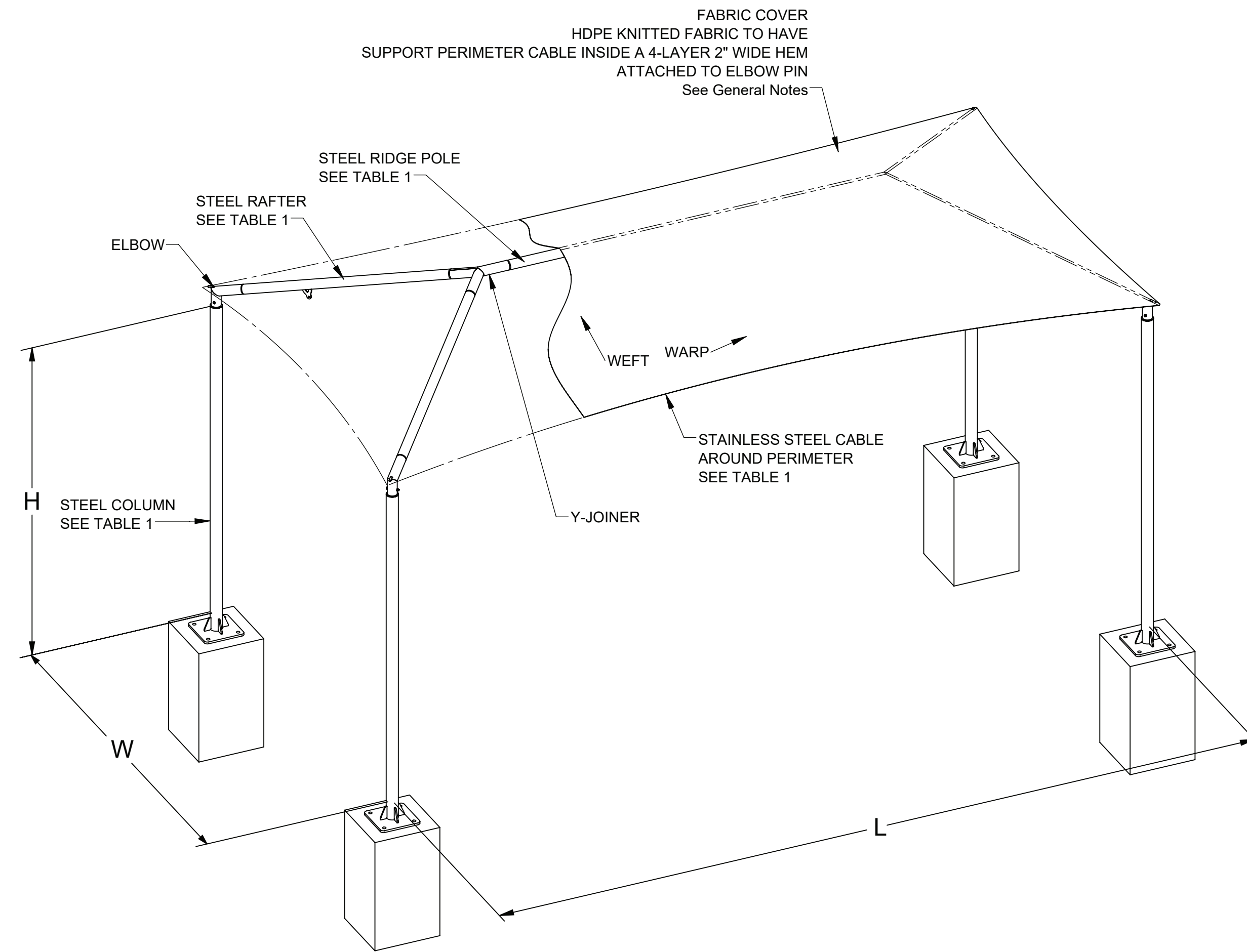
Drawn: KJK  
 Date: 12/8/2022  
 Chkd: Zhisong Zhao  
 Date: 1/19/2023  
 Job Number:

SEAL:  
  
 Zhisong Zhao  
 8/16/23

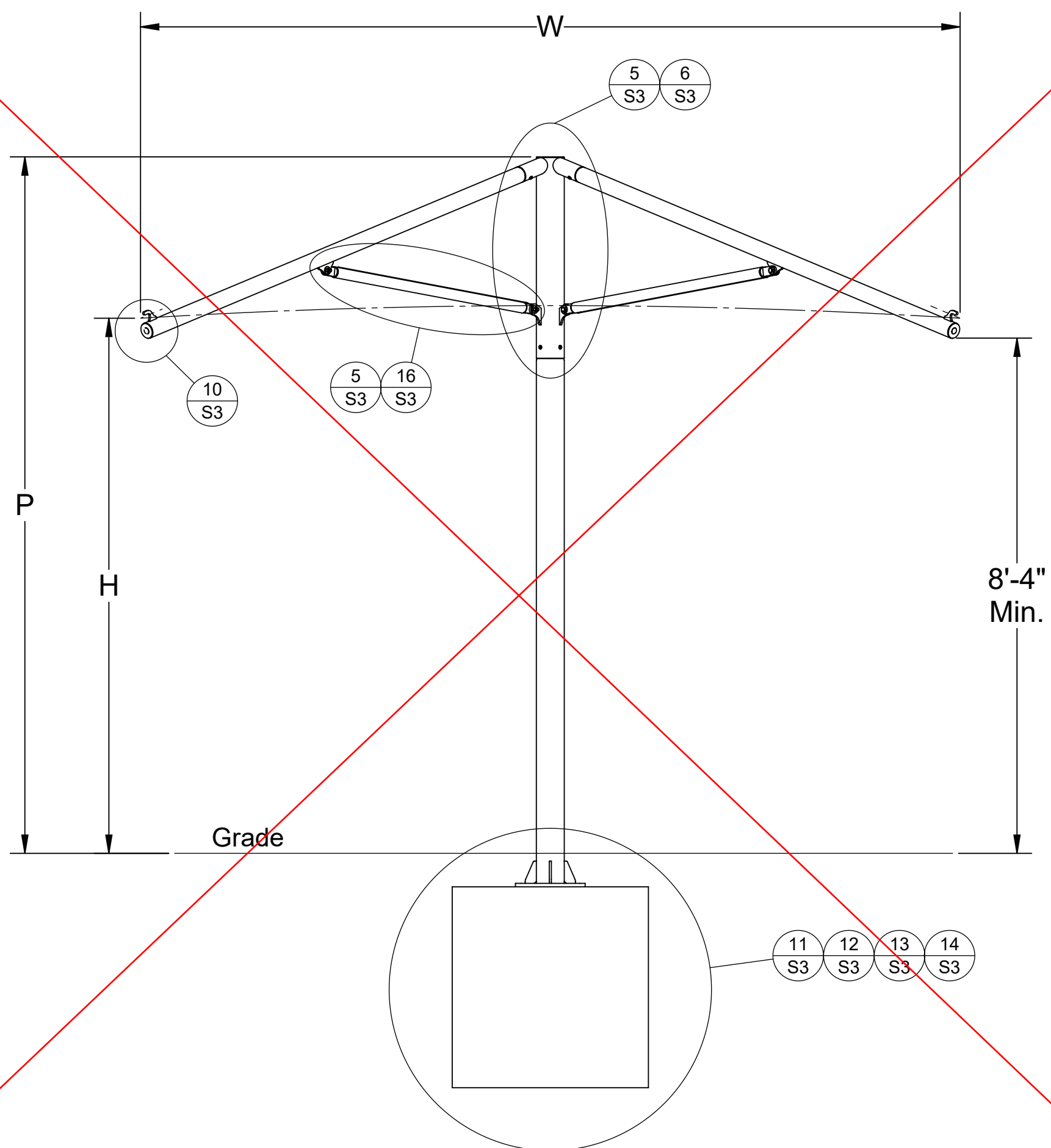
**S1**  
Sheet No.



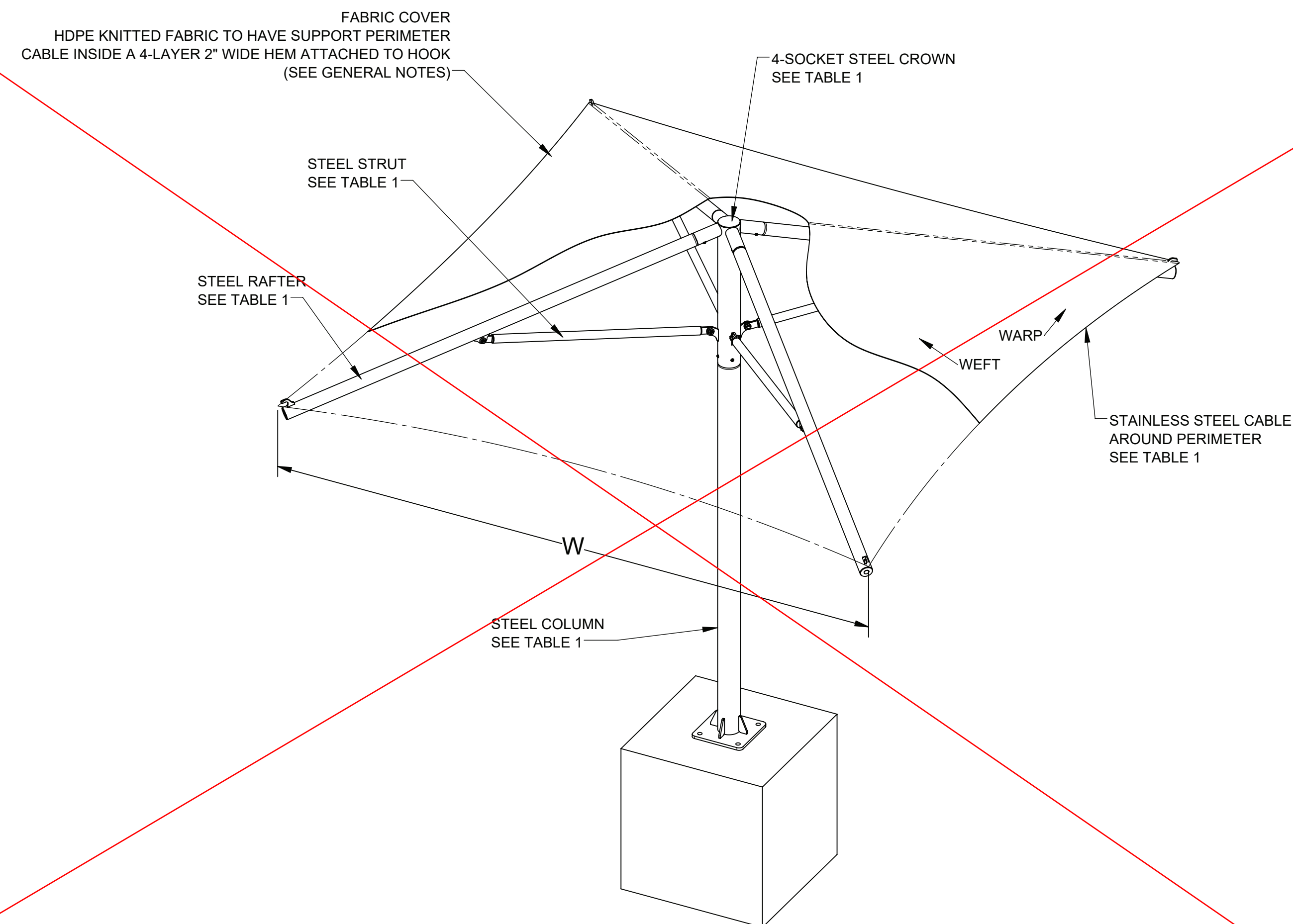
2 HIP FRAME ELEVATION  
S2



1 HIP SHADE STRUCTURE  
S2



4 UMBRELLA FRAME ELEVATION  
S2



3 UMBRELLA SHADE STRUCTURE  
S2

DSA IDENTIFICATION STAMP



Shade

SUPERIOR SHADE  
150 Adamson Industrial Blvd.  
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP  
ELEVATION DETAILS

COPYRIGHT: THE EXCLUSIVE  
PROPERTY OF THE MANUFACTURER AND MAY  
NOT BE USED OR REPRODUCED WHOLE OR  
IN PART WITHOUT THE WRITTEN PERMISSION  
FROM THE MANUFACTURER.

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: 02-120923 PC  
REVIEWED FOR  
SS  FLS  ACS  CG   
DATE: 9/21/2023

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

Revisions

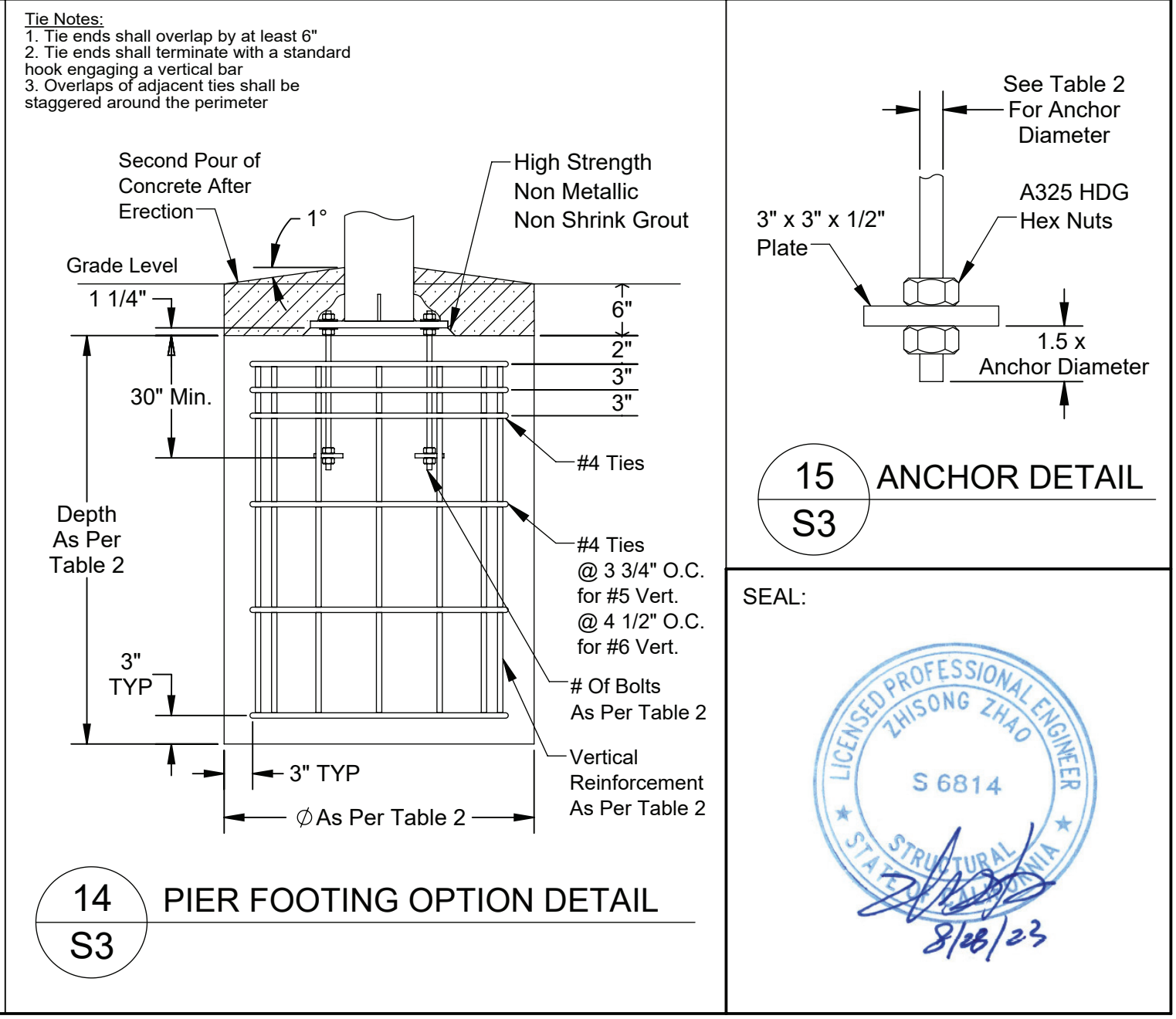
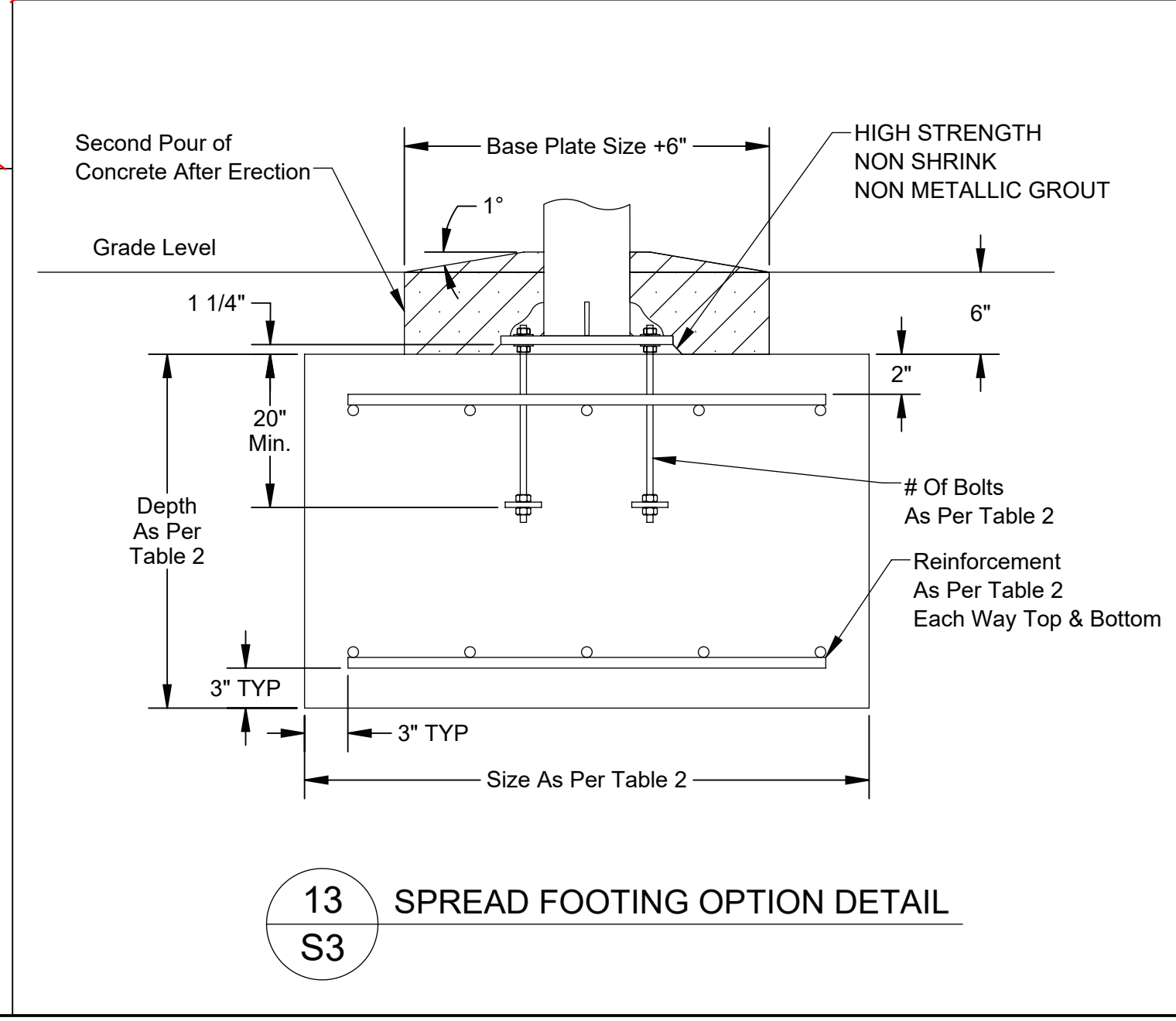
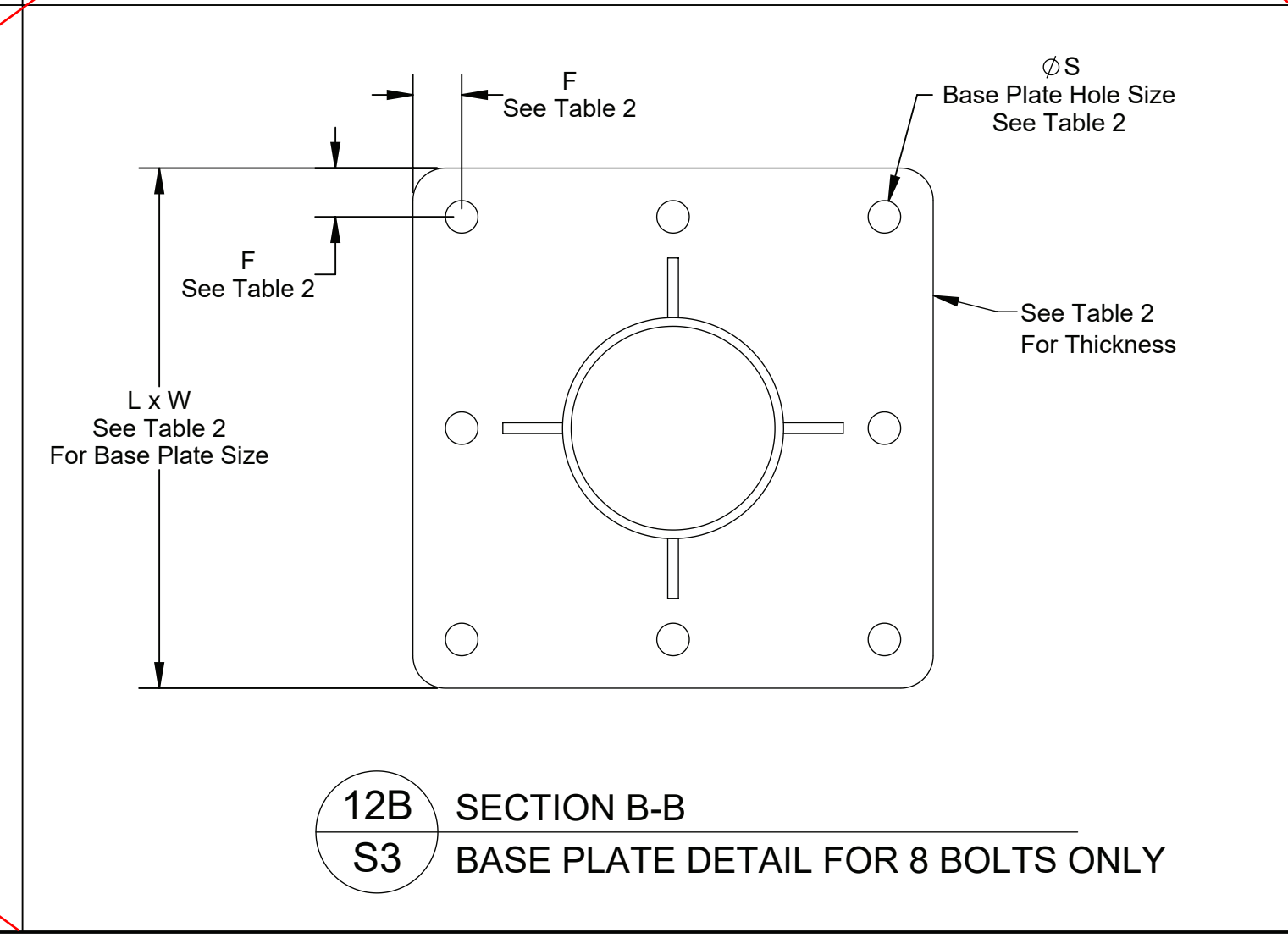
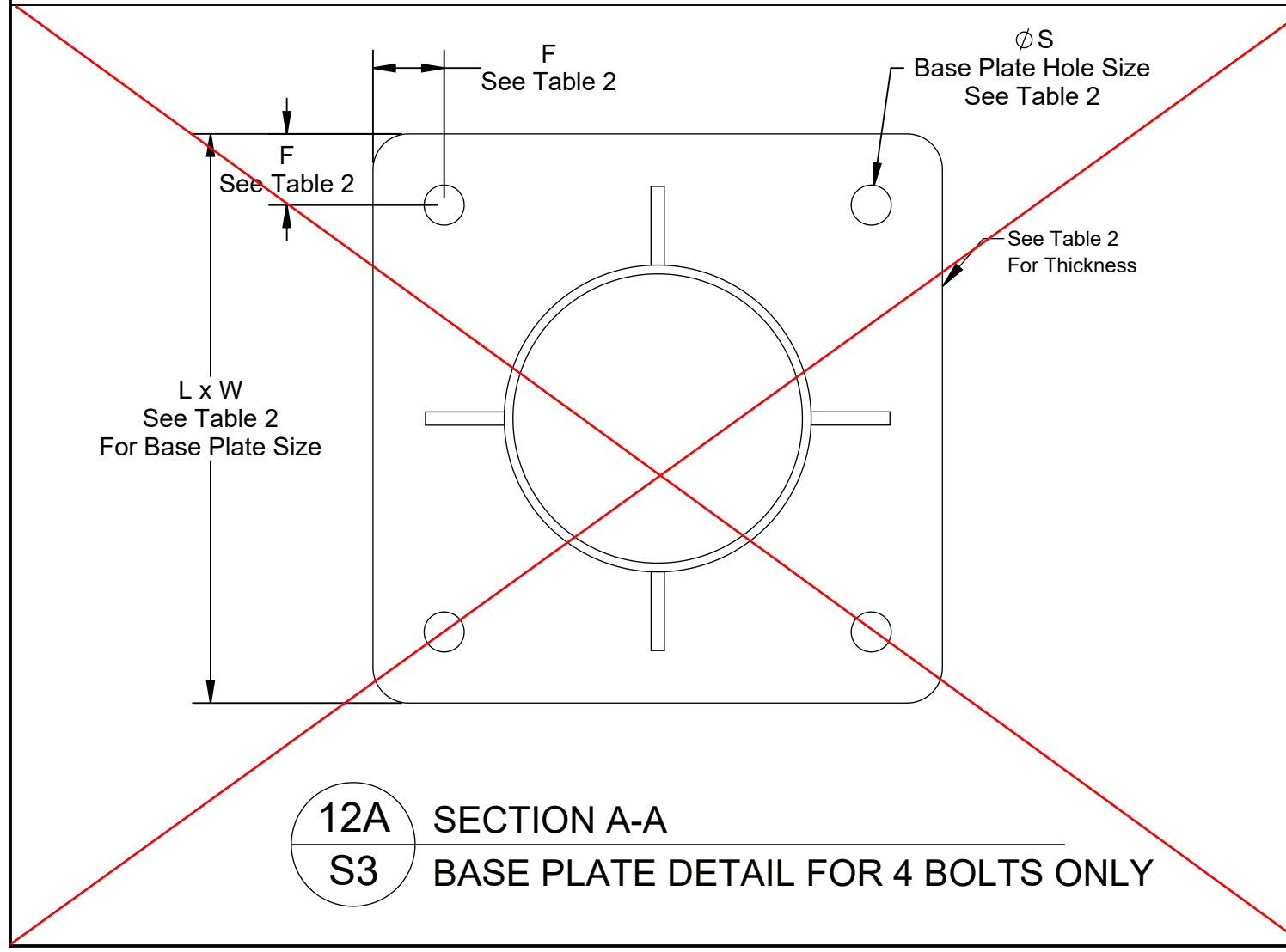
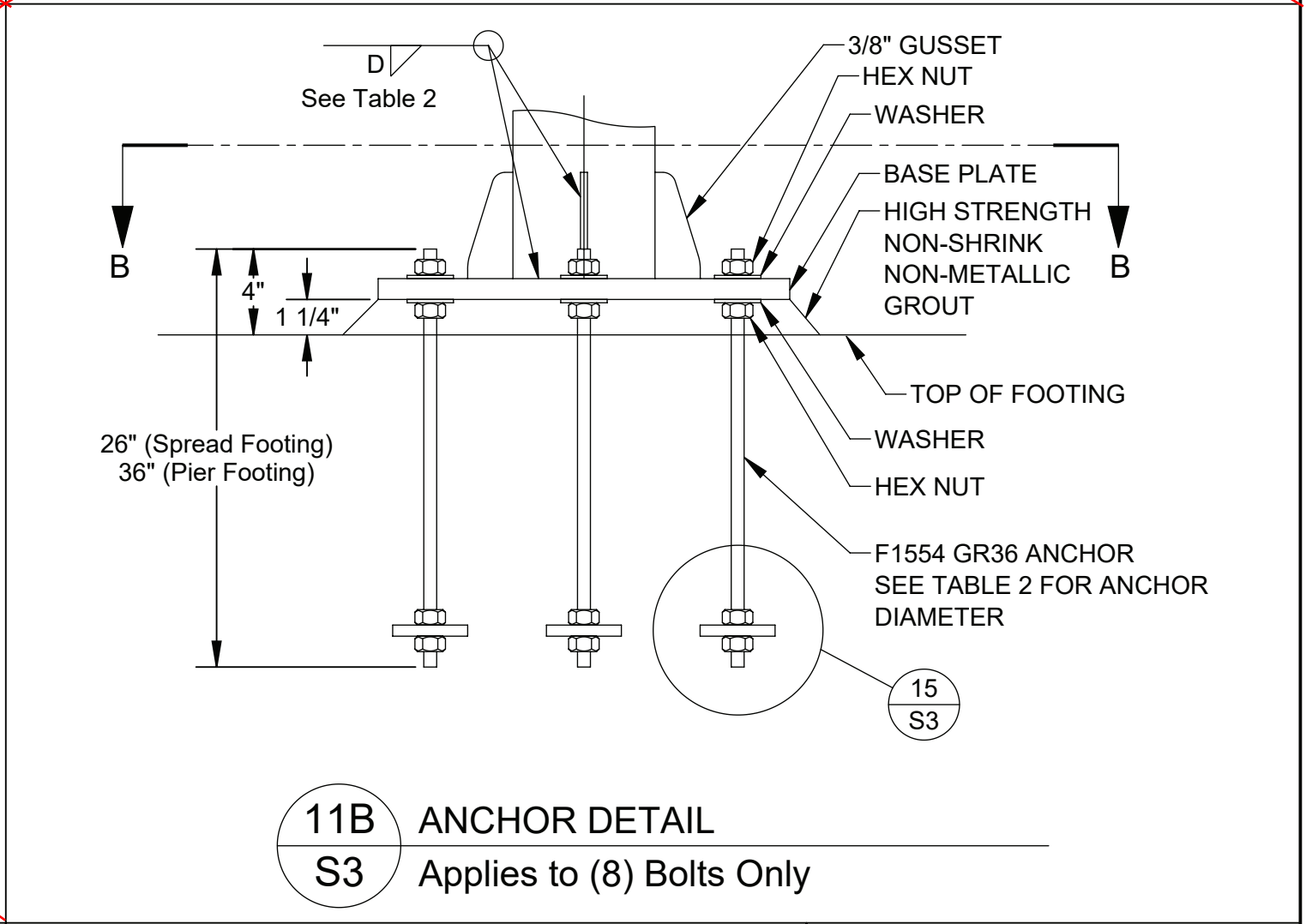
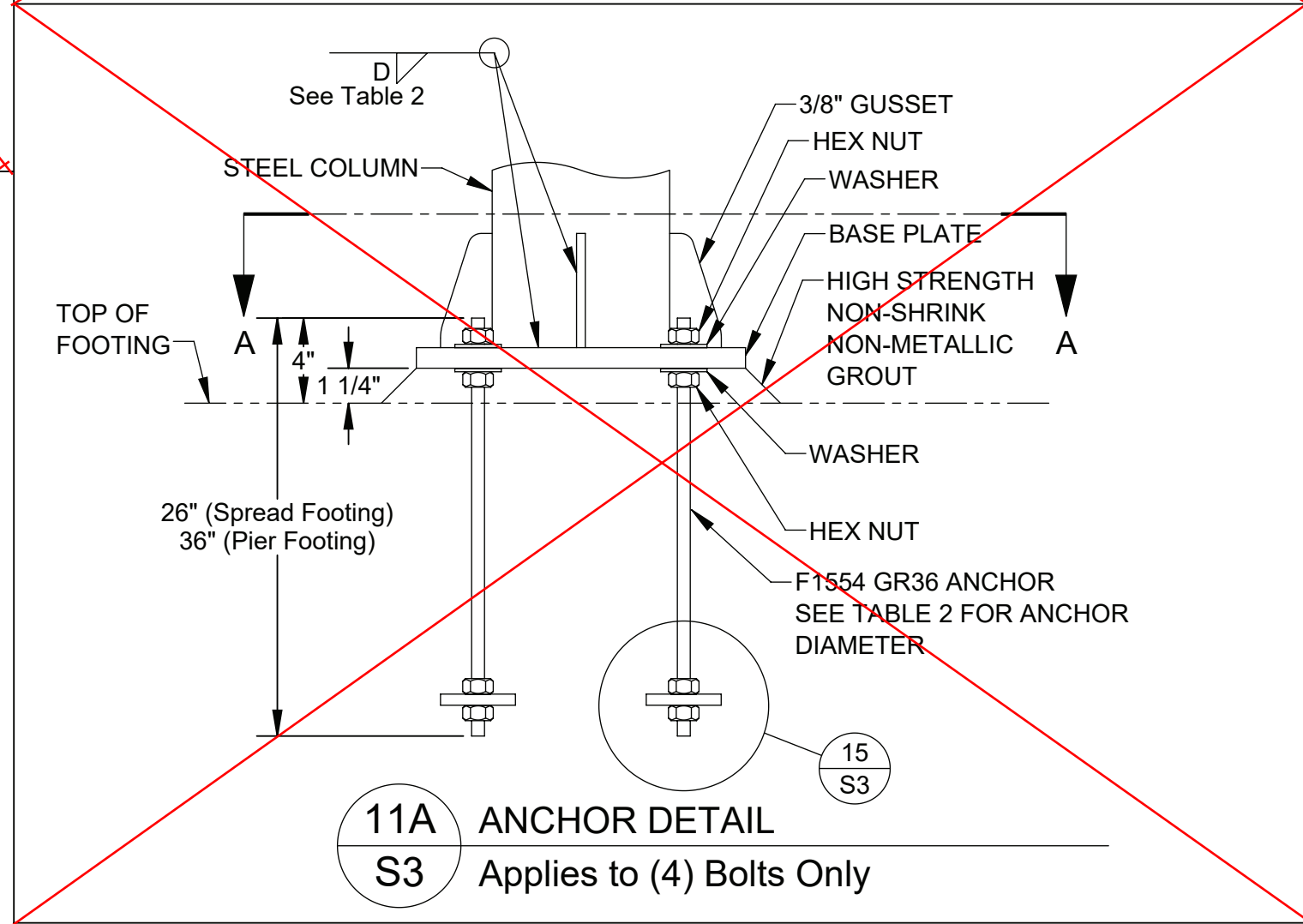
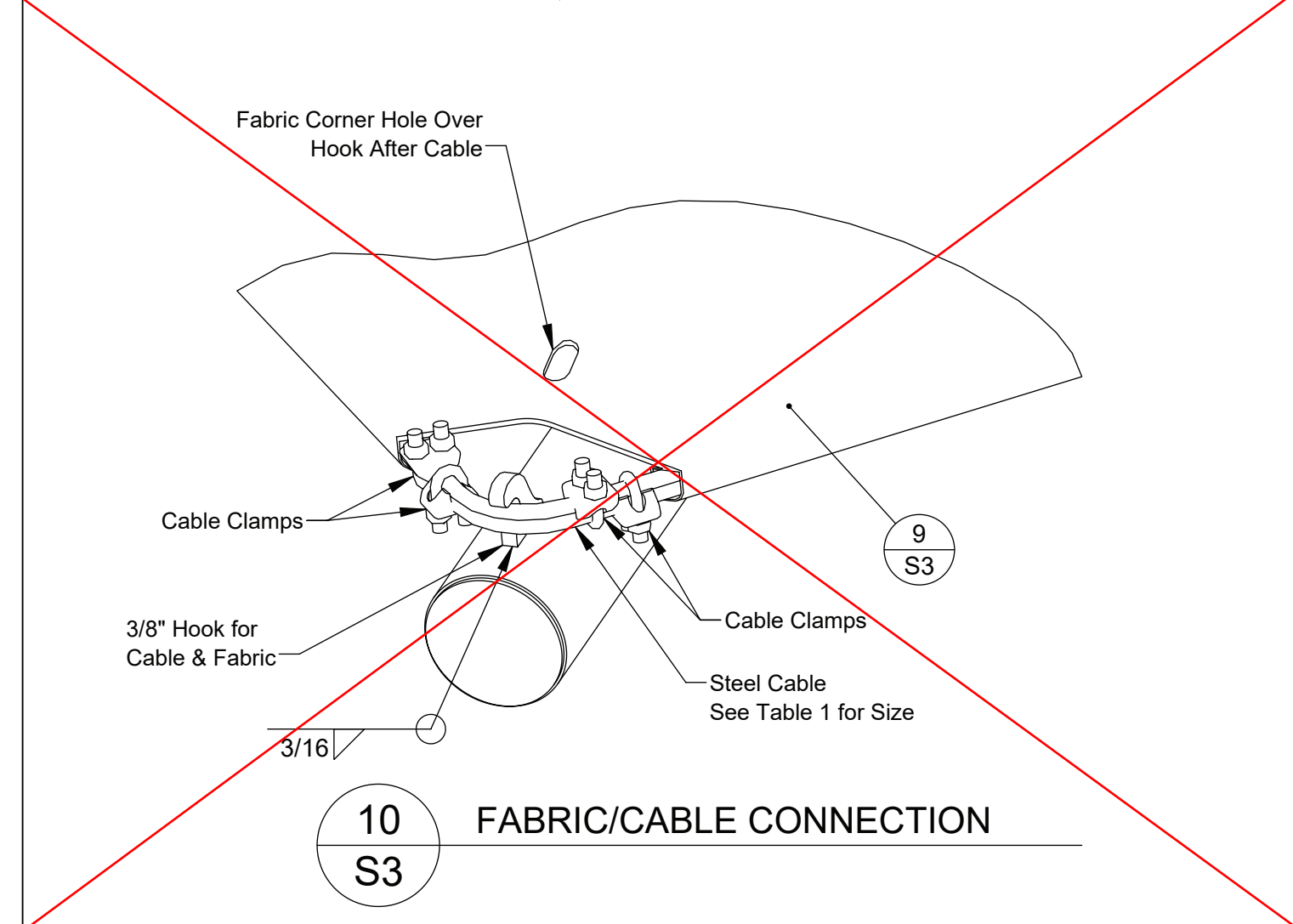
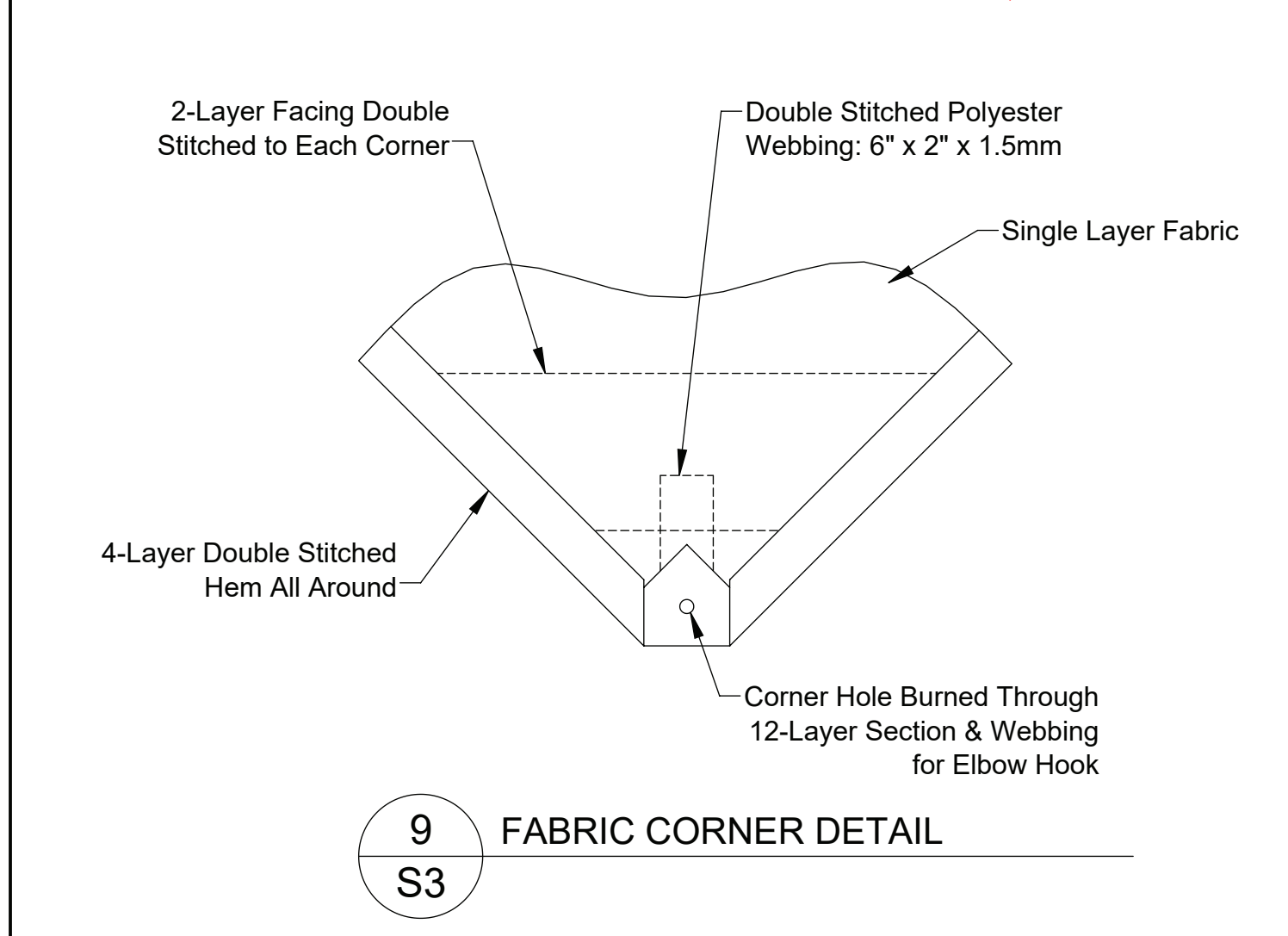
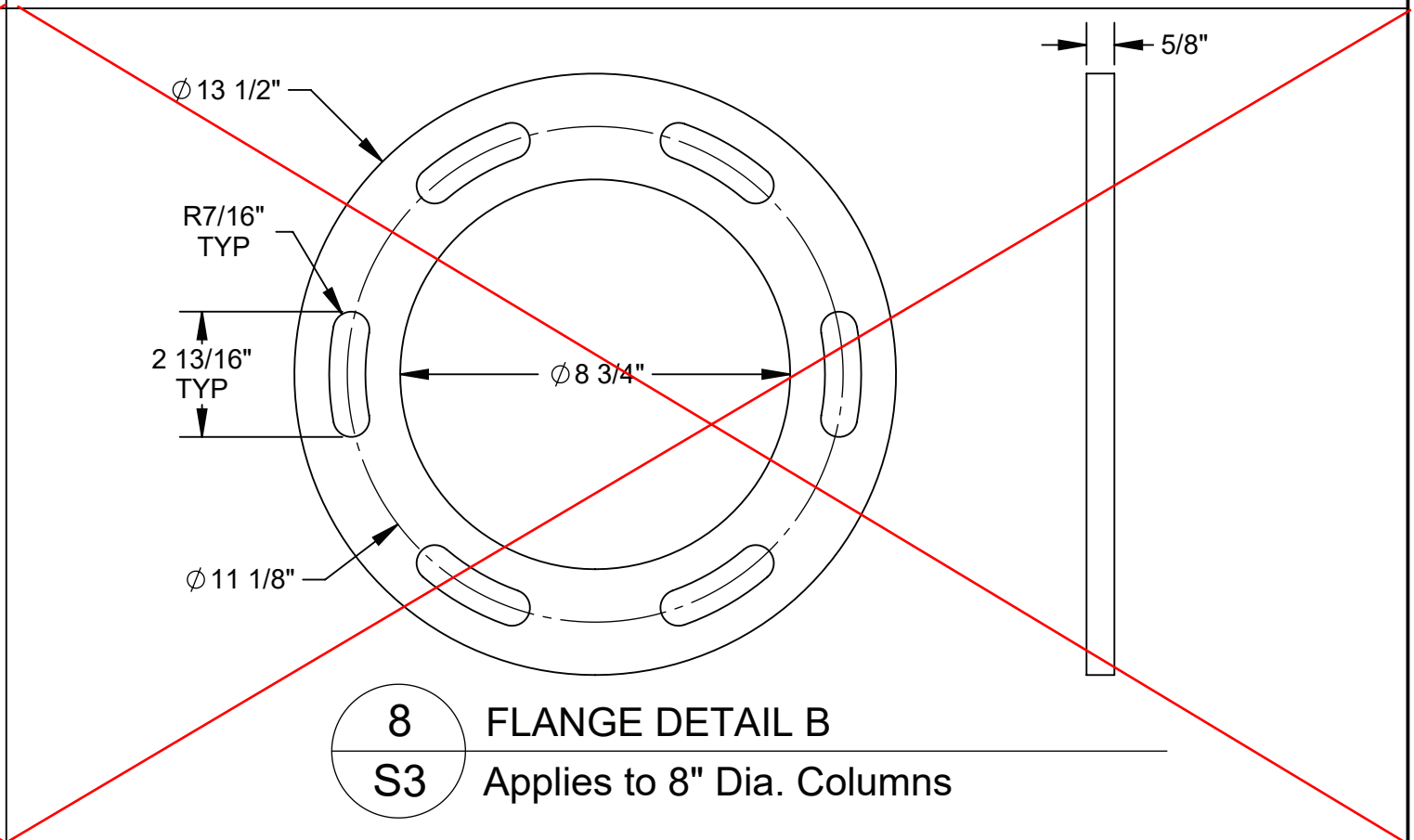
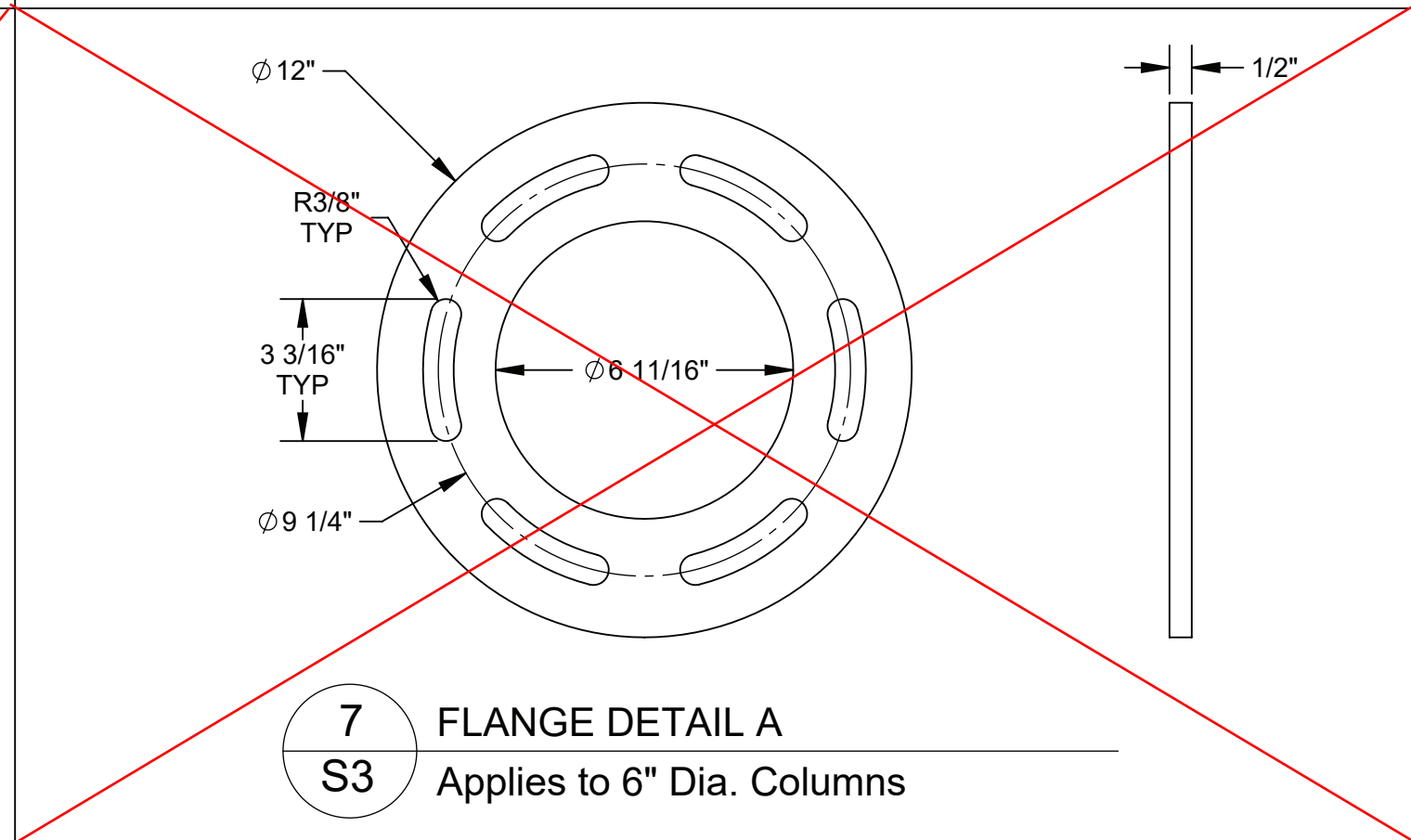
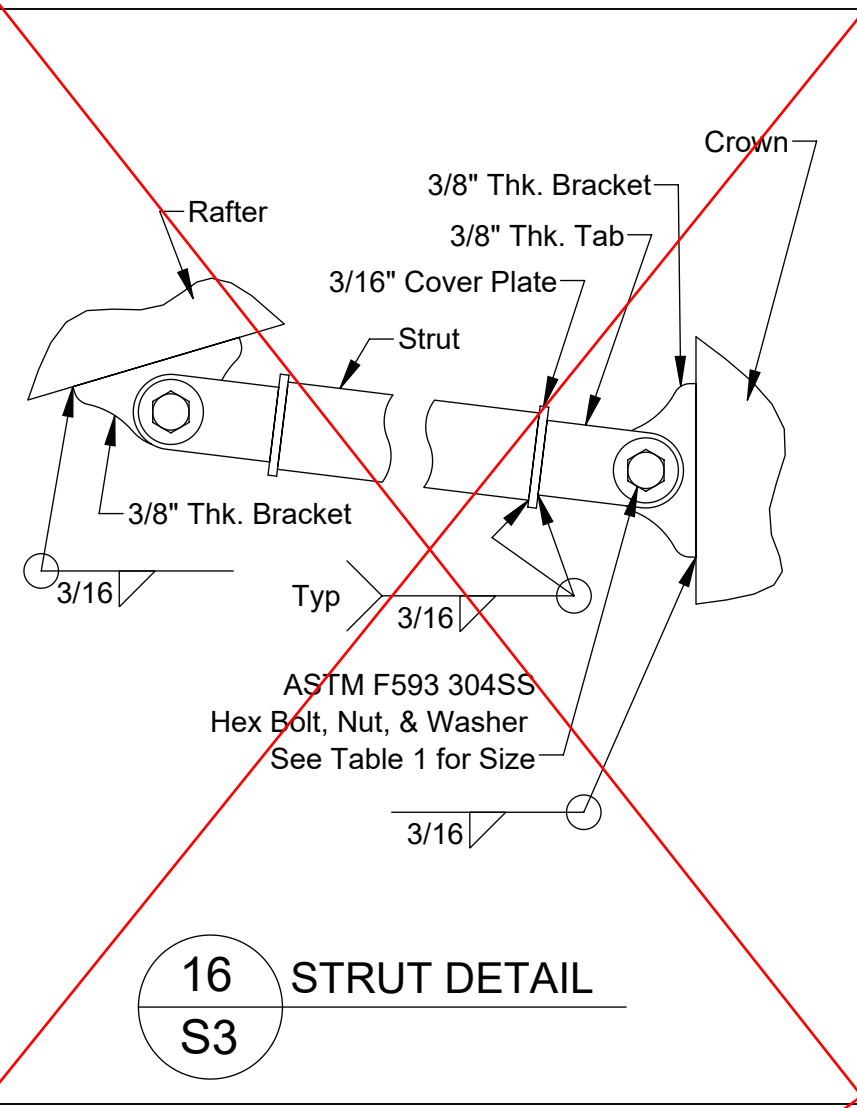
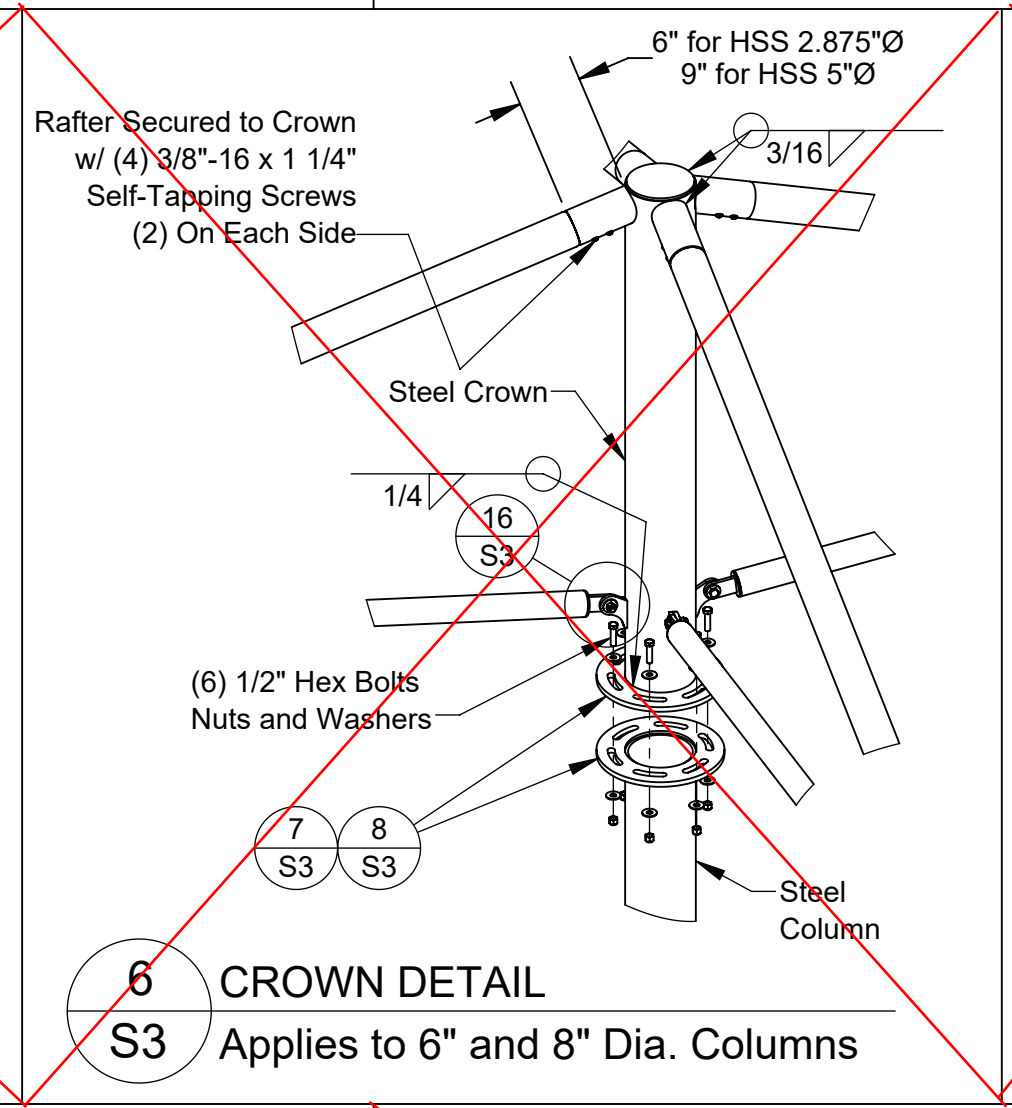
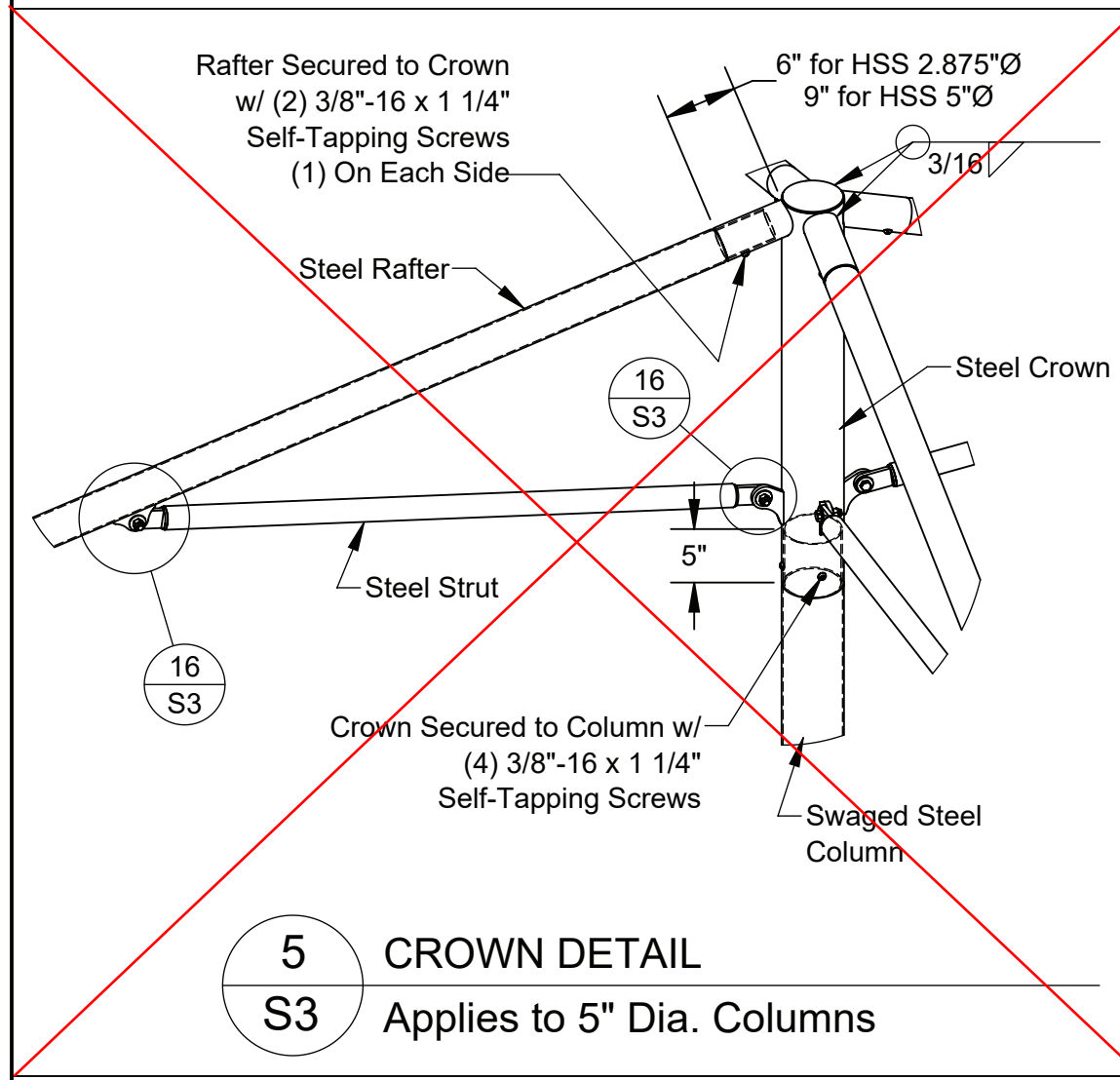
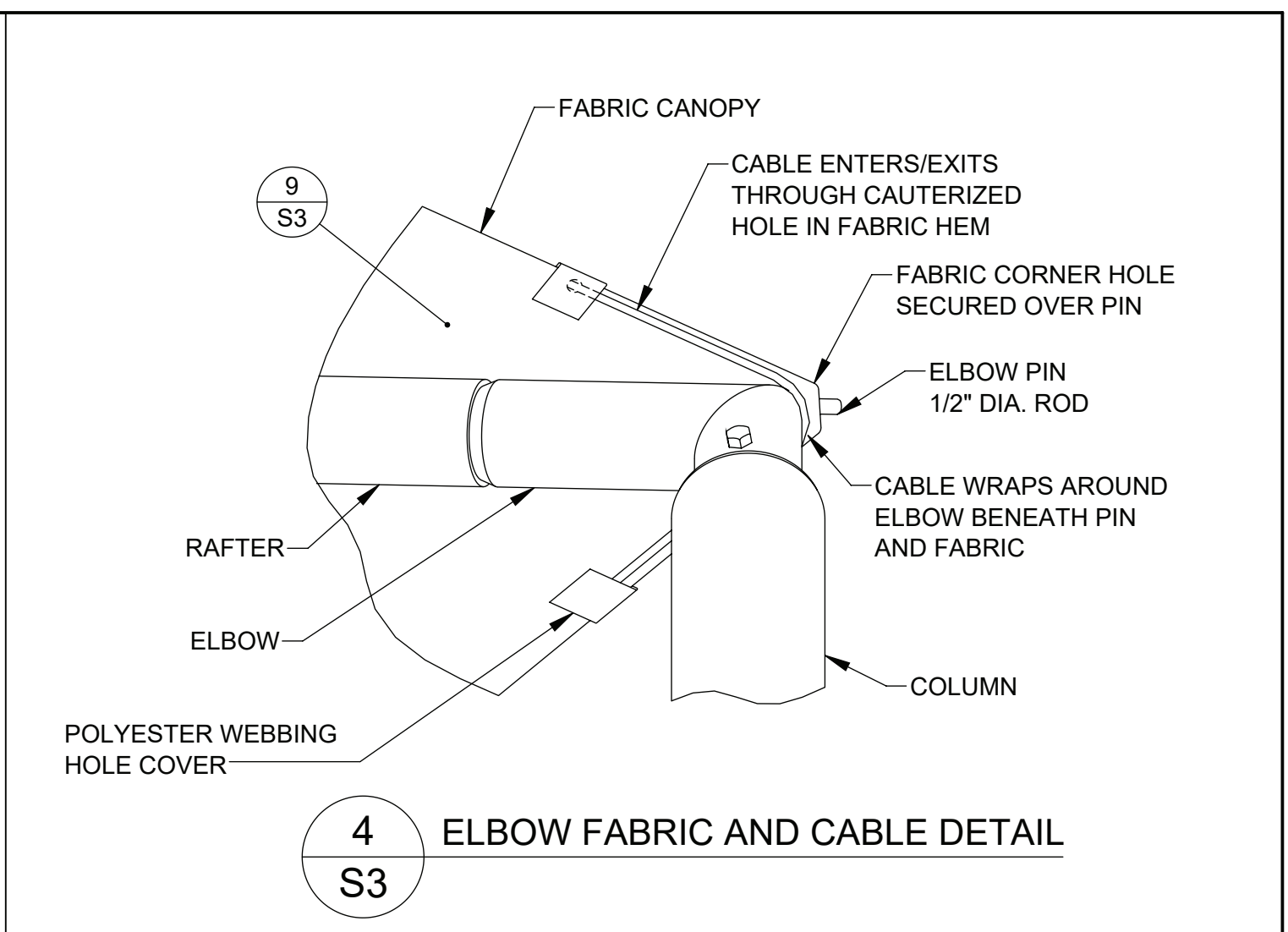
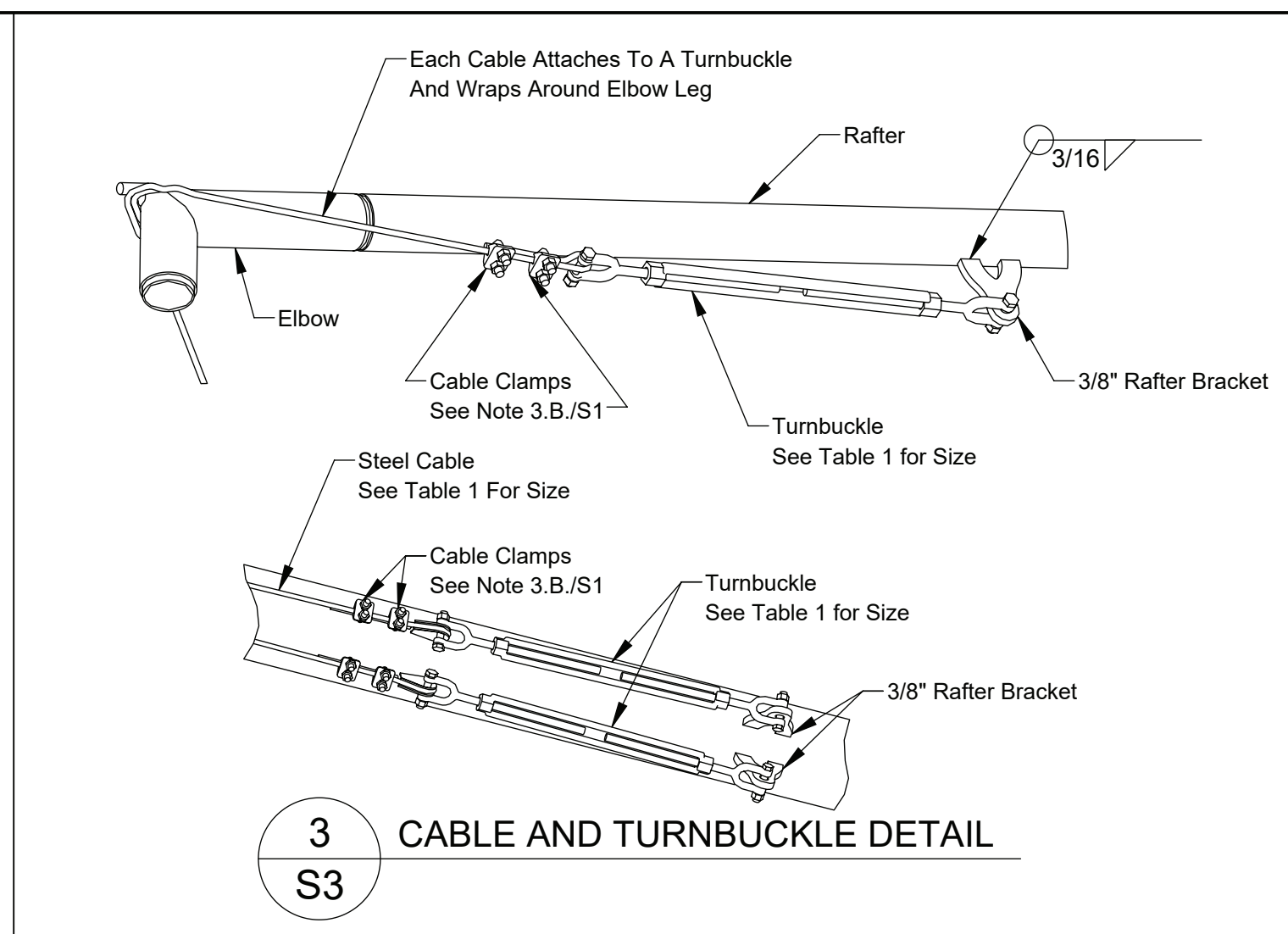
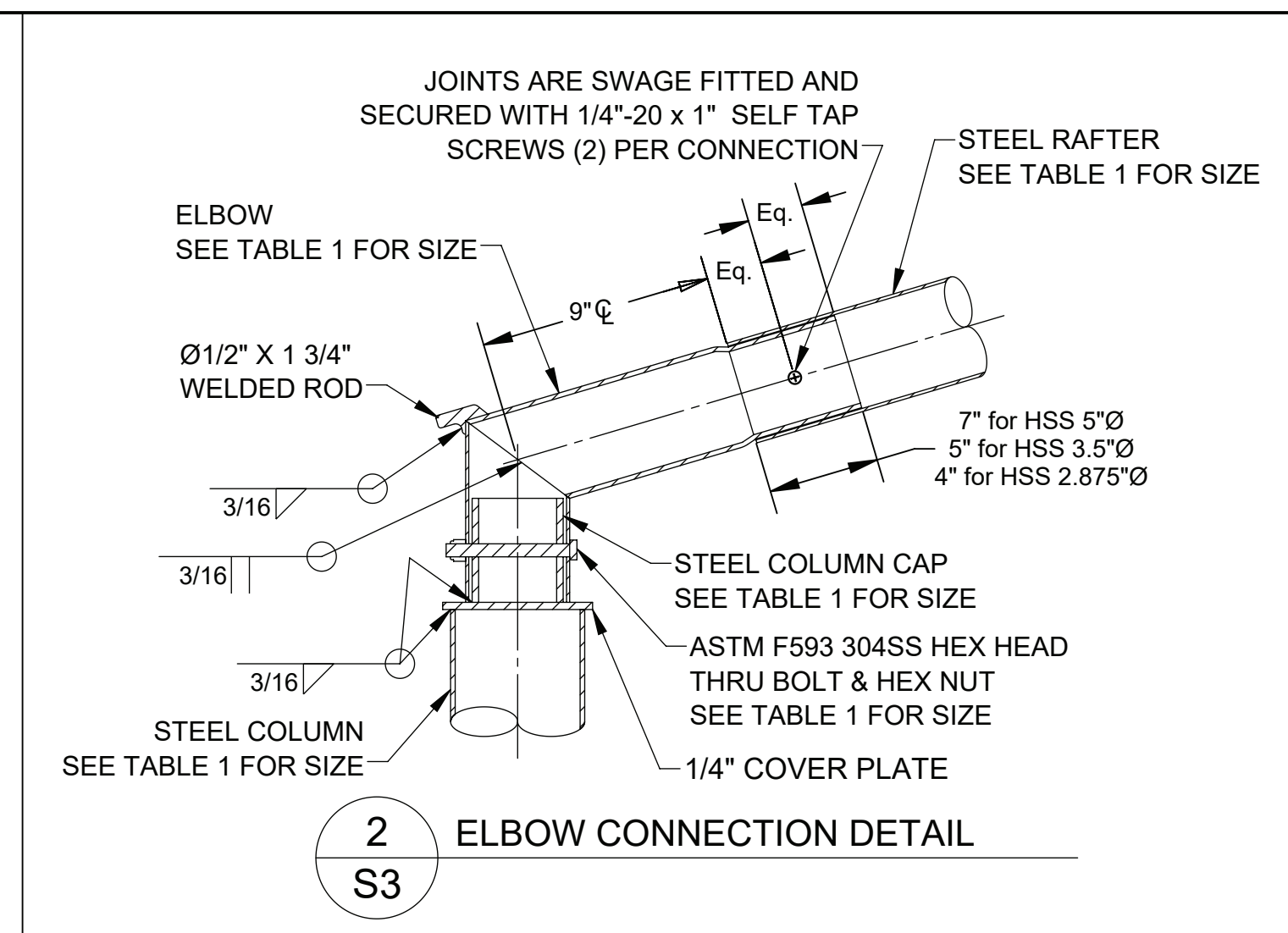
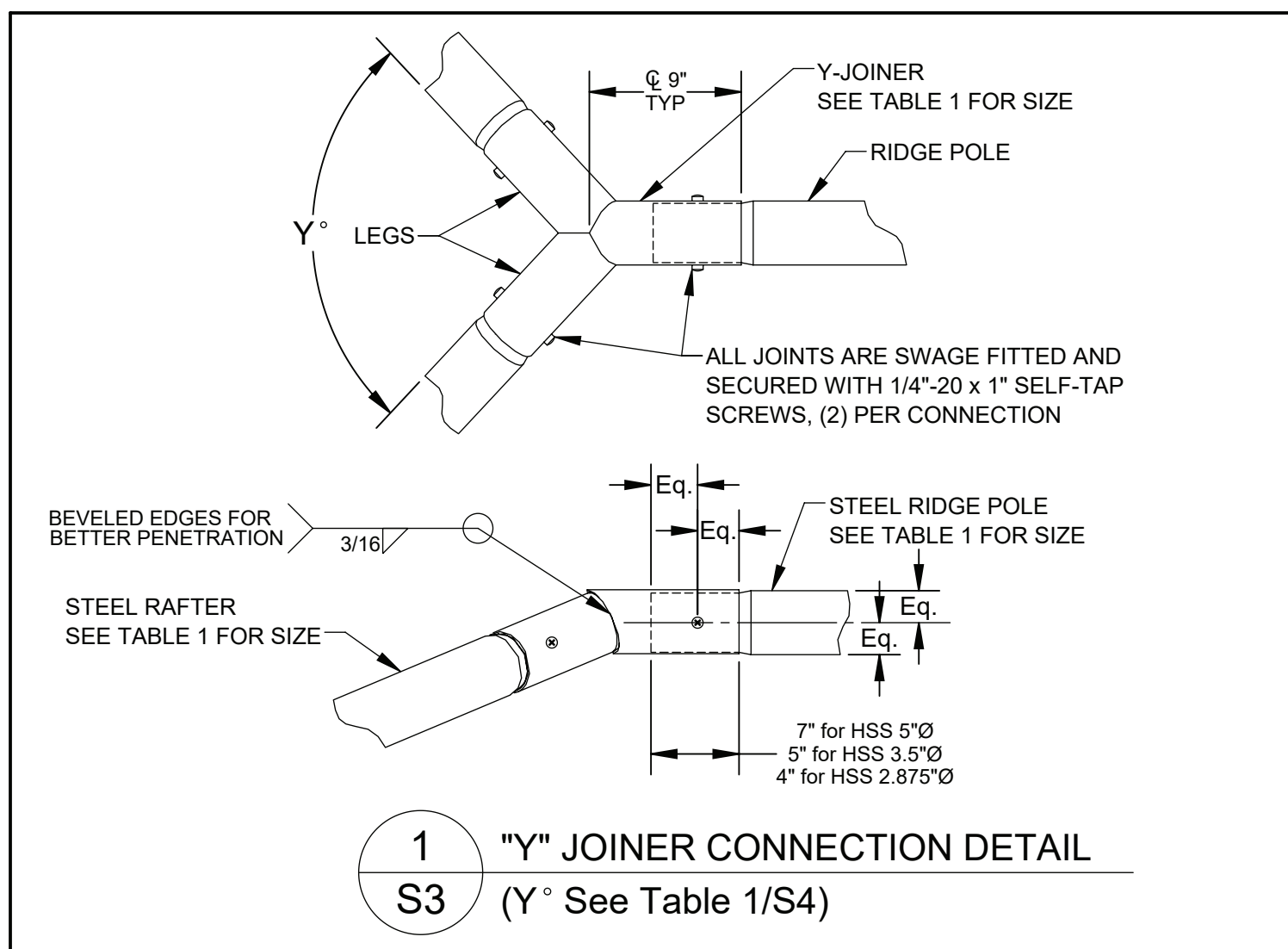
Date:	By:
12/18/2022	KJK
8/16/2023	KJK

Drawn: KJK  
Date: 12/8/2022  
Chkd: Zhisong Zhao  
Date: 1/19/2023  
Job Number:

SEAL:



S2  
Sheet No.



DSA IDENTIFICATION STAMP

**SUPERIOR**  
RECREATIONAL PRODUCTS  
Shade

SUPERIOR SHADE  
150 Adamson Industrial Blvd.  
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP  
TYPICAL CANOPY DETAILS

COPYRIGHT: THIS PLAN/DRAWING IS THE EXCLUSIVE PROPERTY OF THE MANUFACTURER AND MAY NOT BE USED OR REPRODUCED WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION FROM THE MANUFACTURER.

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: 02-120923 PC  
REVIEWED FOR  
SS  FLS  ACS  CG   
DATE: 9/21/2023

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

Revisions		
Date:	By:	
0 12/18/2022	KJK	
1 8/16/2023	KJK	

Drawn: KJK  
Date: 12/8/2022  
Chkd: Zhisong Zhao  
Date: 1/19/2023  
Job Number:

SEAL:  
LICENSED PROFESSIONAL ENGINEER  
ZHISONG ZHAO  
S 6814  
9/16/23

**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)
	DSARD102009SN	10'	20'	9'	11.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSARD152009SN	15'	20'	9'	12.03'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202009SN	20'	20'	9'	12.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
	DSASD252509SN	25'	25'	9'	13.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203009SN	20'	30'	9'	13.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253009SN	25'	30'	9'	14.05'	Pipe 8" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSASD303009SN	30'	30'	9'	14.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183609SN	18'	36'	9'	12.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204009SN	20'	40'	9'	13.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD304009SN	30'	40'	9'	15.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD102010SN	10'	20'	10'	12.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSARD152010SN	15'	20'	10'	13.03'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202010SN	20'	20'	10'	13.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
	DSASD252510SN	25'	25'	10'	14.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203010SN	20'	30'	10'	14.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253010SN	25'	30'	10'	15.05'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSASD303010SN	30'	30'	10'	15.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183610SN	18'	36'	10'	13.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204010SN	20'	40'	10'	14.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD304010SN	30'	40'	10'	16.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD102012SN	10'	20'	12'	14.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSARD152012SN	15'	20'	12'	15.03'	Pipe 5" x Sch 40	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202012SN	20'	20'	12'	15.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
	DSASD252512SN	25'	25'	12'	16.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203012SN	20'	30'	12'	16.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253012SN	25'	30'	12'	17.05'	Pipe 8" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
x	DSASD303012SN	30'	30'	12'	17.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183612SN	18'	36'	12'	15.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204012SN	20'	40'	12'	16.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD304012SN	30'	40'	12'	18.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" 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 16/S3)
DSASU121209SN	12'	12'	9'	11.42'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 11 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	Ø 3/4"
DSASU121210SN	12'	12'	10'	12.42'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 11 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	Ø 3/4"
DSASU121212SN	12'	12'	12'	14.42'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 7 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	Ø 3/4"
DSASU202009SN	20'	20'	9'	13.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	Ø 1"
DSASU202010SN	20'	20'	10'	14.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	Ø 1"
DSASU202012SN	20'	20'	12'	16.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	Ø 1"

TABLE 2 : Shade Foundation

Style	Shade Number	Base Plate Size (L x W)	Base Plate Thickness	Base Plate Weld Size (D)	Base Plate Anchor Bolt Hole Size Ø(S)	Base Plate Hole Offset (F)	Anchor Diameter	Anchor Number	Spread Footing Depth	Spread Foot Size	Spread Footing Reinforcement	Pier Footing Depth	Pier Footing Diameter	Pier Footing Reinforcement
	DSARD102009SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.5' x 3.5'	5 #5	5.75'	Ø 2'	8 #6
	DSARD152009SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4' x 4'	6 #5	6.75'	Ø 2'	8 #6
	DSASD202009SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	5.5' x 5.5'	7 #5	7.75'	Ø 2.5'	8 #6
	DSASD252509SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.5' x 6.5'	9 #5	9'	Ø 2.5'	10 #6
	DSARD203009SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	5.5' x 5.5'	7 #5	8.75'	Ø 2.5'	10 #6
	DSARD253009SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' x 6.5'	9 #5	9.25'	Ø 3'	12 #6
	DSASD303009SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.25' x 7.25'	10 #5	9.5'	Ø 3'	12 #6
	DSARD183609SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6' x 6'	8 #5	9.25'	Ø 3'	12 #6
	DSARD204009SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	6.5' x 6.5'	9 #5	10'	Ø 3'	12 #6
	DSARD304009SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.25' x 7.25'	10 #5	11'	Ø 3'	12 #6
	DSARD102010SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.5' x 3.5'	5 #5	5.75'	Ø 2'	8 #6
	DSARD152010SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4' x 4'	6 #5	6.75'	Ø 2'	8 #6
	DSASD202010SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	5.75' x 5.75'	8 #5	7.75'	Ø 2'	8 #6
	DSASD252510SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.5' x 6.5'	9 #5	9'	Ø 2.5'	10 #6
	DSARD203010SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	5.75' x 5.75'	8 #5	8.75'	Ø 2.5'	10 #6
	DSARD253010SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.25' x 6.25'	8 #5	9.25'	Ø 3'	12 #6
	DSASD303010SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.25' x 7.25'	10 #5	9.75'	Ø 3'	12 #6
	DSARD183610SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' x 6.5'	9 #5	9.5'	Ø 3'	12 #6
	DSARD204010SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7' x 7'	9 #5	10'	Ø 3'	12 #6
	DSARD304010SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.5' x 7.5'	10 #5	11'	Ø 3'	12 #6
	DSARD102012SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.75' x 3.75'	5 #5	6'	Ø 2'	8 #6
	DSARD152012SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4.5' x 4.5'	6 #5	7'	Ø 2'	8 #6
	DSASD202012SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	6.25' x 6.25'	8 #5	7.75'	Ø 2'	8 #6
	DSASD252512SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.5' x 6.5'	9 #5	9'	Ø 2.5'	10 #6
	DSARD203012SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.25' x 6.25'	8 #5	9'	Ø 2.5'	10 #6
	DSARD253012SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' x 6.5'	9 #5	9.25'	Ø 3'	12 #6
x	DSASD303012SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.5' x 7.5'	10 #5	9.75'	Ø 3'	12 #6
	DSARD183612SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.75' x 6.75'	8 #5	10'	Ø 3'	12 #6
	DSARD204012SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.25' x 7.25'	10 #5	10'	Ø 3'	12 #6
	DSARD304012SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.5' x 7.5'	10 #5	11'	Ø 3'	12 #6
	DSASU121209SN	10" x 10"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	4' x 4'	6 #5	5.25'	Ø 2'	8 #6
	DSASU121210SN	12" x 12"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	4.25' x 4.25'	6 #5	5.5'	Ø 2'	8 #6
	DSASU121212SN	14" x 14"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	4.5' x 4.5'	6 #5	6'	Ø 2'	8 #6
	DSASU202009SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	5.5' x 5.5'	7 #5	7'	Ø 2.5'	10 #6
	DSASU202010SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	5.75' x 5.75'	8 #5	7.5'	Ø 2.5'	10 #6
	DSASU202012SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	6.25' x 6.25'	8 #5	8'	Ø 2.5'	10 #6

DSA IDENTIFICATION STAMP

Shade

SUPERIOR SHADE  
150 Adamson Industrial Blvd.  
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP  
REFERENCE TABLES

COPYRIGHT:  
THIS PLAN/DRAWING IS THE EXCLUSIVE  
PROPERTY OF THE MANUFACTURER AND MAY  
NOT BE USED OR REPRODUCED WHOLE OR  
IN PART WITHOUT THE WRITTEN PERMISSION  
FROM THE MANUFACTURER.

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: 02-120923 PC  
REVIEWED FOR  
SS  FLS  ACS  CG

DATE: 9/21/2023

SITE PROJECT NAME: \_\_\_\_\_

DISTRICT/OWNER: \_\_\_\_\_

LOCATION/ADDRESS: \_\_\_\_\_

Revisions		
Date:	By:	
0	12/18/2022	KJK
1	8/16/2023	KJK

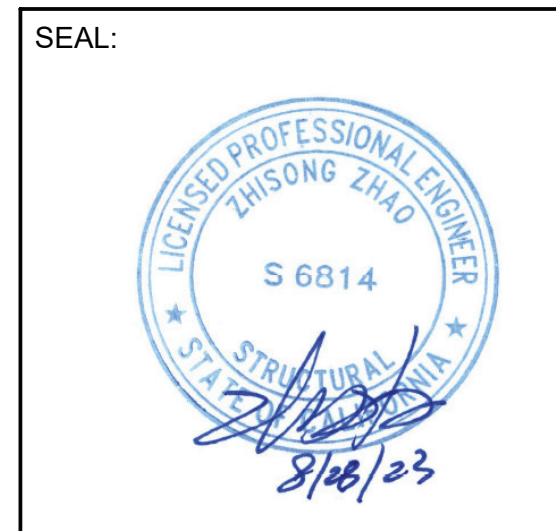
Drawn: KJK

Date: 12/8/2022

Chkd: Zhisong Zhao

Date: 1/19/2023

Job Number: \_\_\_\_\_





**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC**  
 Application Number: School Name: School District:  
 DSA File Number: Increment Number: Date Created:

**2022 CBC**

**IMPORTANT:** This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and 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**

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

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 1 of 10

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

**Geotechnical Reports:** Project has a geotechnical report, or CDs indicate soils special inspection is required by GE

S1. GENERAL:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Verify that: - Site has been prepared properly prior to placement of controlled fill and/or excavations for foundation. - Foundation excavations are extended to proper depth and have reached proper material. - Materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
S2. SOIL COMPACTION AND FILL:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Perform classification and testing of fill materials.	Test	LOR*	* Under the supervision of the geotechnical engineer.
<input checked="" type="checkbox"/> b. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (Refer to specific items identified in the Appendix (end of this form) form for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil SI and test reporting requirements for the exempt items.)
<input checked="" type="checkbox"/> c. Compaction testing.	Test	LOR*	* Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix (end of this form) for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil test reporting requirements for the exempt items.)

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 2 of 10

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

**S3. DRIVEN DEEP FOUNDATIONS (PILES):**

Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/> b. Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable); record concrete or grout volumes.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/> c. Confirm adequate end static bearing capacity.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/> d. Concrete piers.			Provide tests and inspections per CONCRETE section below.

**S5. RETAINING WALLS:**

**S6. OTHER SOILS:**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 3 of 10

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

C1. CAST-IN-PLACE CONCRETE			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
<input checked="" type="checkbox"/> 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.)
<input checked="" type="checkbox"/> 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 26.5.8 & 26.12.
<input checked="" type="checkbox"/> d. Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
<input type="checkbox"/> 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 eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
<input type="checkbox"/> 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 (ON ADDITION TO SECTION C1):**

**C3. PRECAST CONCRETE (ON ADDITION TO SECTION C1):**

**C4. SHOTCRETE (ON ADDITION TO SECTION C1):**

**C5. POST-INSTALLED ANCHORS:**

**C6. OTHER CONCRETE:**

**Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections**  
 Application Number: School Name: School District:  
 DSA File Number: Increment Number: Date Created:

Exempt Items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

SOILS:

CONCRETE/MASONRY:

WELDING:

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 4 of 10

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 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
<input checked="" type="checkbox"/> 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	LOR	Table 1705A.2.1 Item 3a, 3c, 2202A.1; AISI S100-20 Section A3.1.4 & A3.2; AISI S240-20 Sections 4.3 & 4.5; AISI S220-20 Sections A4 & A4a; * By special inspector or qualified technician when performed off-site.
<input checked="" type="checkbox"/> b. Test unidentified materials.	Test	LOR	2202A.1
<input checked="" type="checkbox"/> c. Examine seam welds of HSS shapes.	Periodic	SI	DSA IR 17-3.
<input checked="" type="checkbox"/> 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).
<input type="checkbox"/> 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
<input checked="" type="checkbox"/> 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.
<input checked="" type="checkbox"/> b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
<input checked="" type="checkbox"/> c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 5 of 10

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 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/A4. SHOP WELDING (ON ADDITION TO SECTION S/A3):			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> 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, 4, 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
<input checked="" type="checkbox"/> 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.
<input type="checkbox"/> c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.2; DSA IR 17-3.
<input checked="" type="checkbox"/> 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.
<input type="checkbox"/> 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 (ON ADDITION TO SECTION S/A3):**

**S/A6. NONDESTRUCTIVE TESTING:**

**S/A7. STEEL JOISTS AND TRUSSES:**

**S/A8. SPRAYED FIRE-RESISTANT MATERIALS:**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 6 of 10

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 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/A9. ANCHOR BOLTS AND ANCHOR RODS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
<input type="checkbox"/> b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

**S/A10. STORAGE RACK SYSTEMS:**

**S/A11. Other Steel**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 7 of 10

**Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections**  
 Application Number: School Name: School District:  
 DSA File Number: Increment Number: Date Created:

Exempt Items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

SOILS:

CONCRETE/MASONRY:

WELDING:

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 8 of 10

**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**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 9 of 10

**DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022**  
 Application Number: School Name: School District:  
 DSA File Number: Increment Number: Date Created:

- Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
- Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS DBA 103-22 (Revised 12/01/2022) Page 10 of 10

DSA IDENTIFICATION STAMP

**SUPERIOR RECREATIONAL PRODUCTS**  
 Shade  
 SUPERIOR SHADE  
 150 Adamson Industrial Blvd.  
 Carrollton, GA 30117

**FABRIC CANOPIES DSA PC - BP  
 EXAMPLE FORM DSA 103 -  
 TESTS & INSPECTIONS**

COPYRIGHT:  
 THIS PLAN/DRAWING IS THE EXCLUSIVE  
 PROPERTY OF THE MANUFACTURER AND MAY  
 NOT BE USED OR REPRODUCED WHOLE OR  
 IN PART WITHOUT THE WRITTEN PERMISSION  
 FROM THE MANUFACTURER.

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: 02-120923 PC  
 REVIEWED FOR  
 SS  FLS  ACS  CG   
 DATE: 9/21/2023

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

Revisions		
Date:	By:	
0 12/18/2022	KJK	
1 8/16/2023	KJK	

Drawn: KJK  
 Date: 12/8/2022  
 Chkd: Zhisong Zhao  
 Date: 1/19/2023  
 Job Number:

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

SEAL:

**S6**  
 Sheet No.

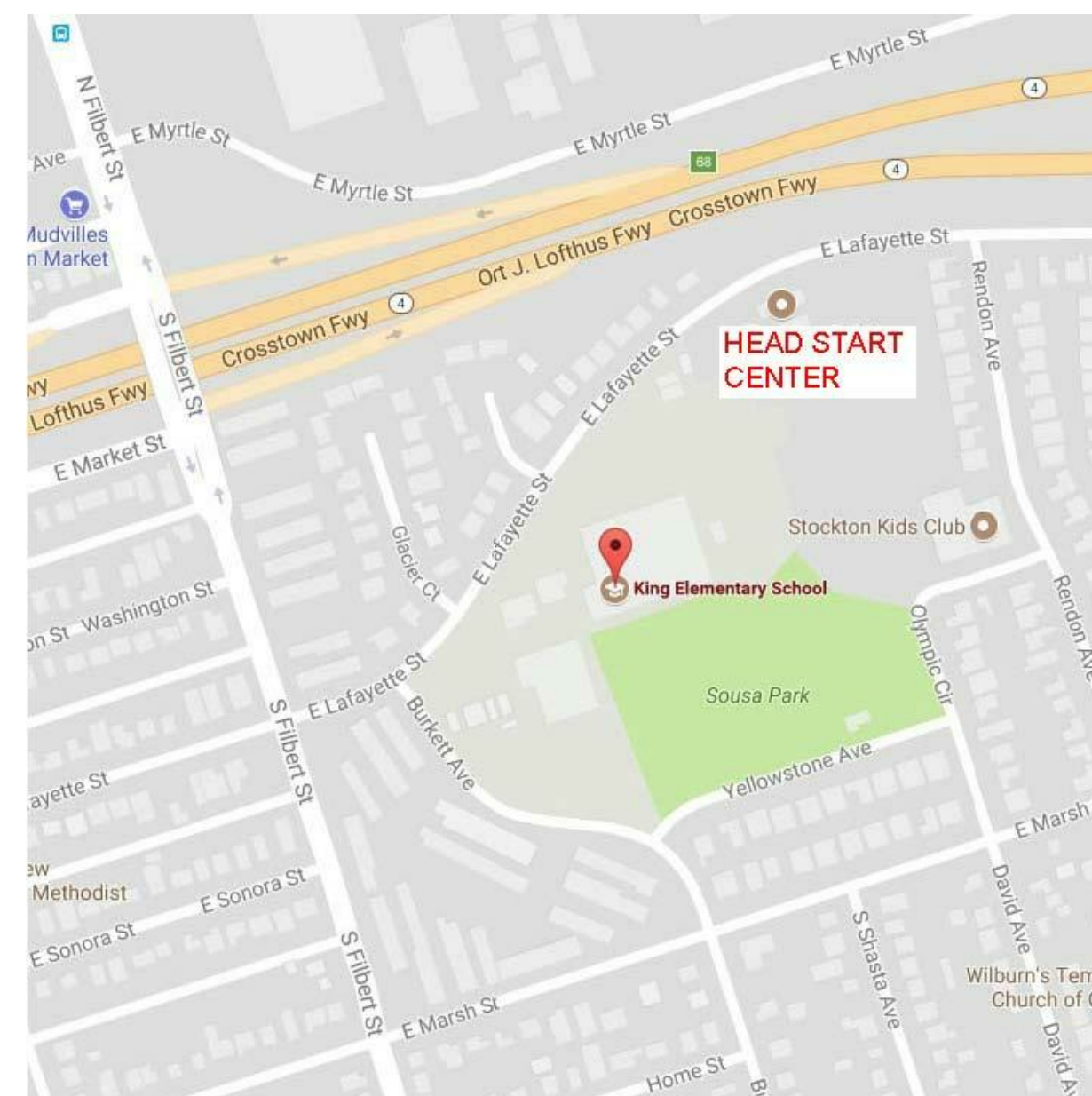
# KING ELEMENTARY SCHOOL

2640 LAFAYETTE STREET, STOCKTON, CA 95205

STOCKTON UNIFIED SCHOOL DISTRICT



# LCAP PRE-K PLAYGROUND PROJECT



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

TITLE 19, C.C.R. PUBLIC SAFETY DIVISION 1, STATE FIRE MARSHAL REGULATIONS  
 TITLE 24, C.C.R. PART 1, 2022 BUILDING STANDARDS ADMINISTRATIVE CODE  
 TITLE 24, C.C.R. PART 2, 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2  
 TITLE 24, C.C.R. PART 3, 2022 CALIFORNIA ELECTRICAL CODE  
 TITLE 24, C.C.R. PART 4, 2022 CALIFORNIA MECHANICAL CODE  
 TITLE 24, C.C.R. PART 5, 2022 CALIFORNIA PLUMBING CODE  
 TITLE 24, C.C.R. PART 6, 2022 CALIFORNIA ENERGY CODE  
 TITLE 24, C.C.R. PART 9, 2022 CALIFORNIA FIRE CODE  
 TITLE 24, C.C.R. PART 10, 2022 CALIFORNIA EXISTING BUILDING CODE  
 TITLE 24, C.C.R. PART 11, 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE  
 TITLE 24, C.C.R. PART 12, 2022 CALIFORNIA REFERENCE STANDARDS (SEE 2022 CBC CHAPTER 35 FOR REFERENCED STANDARDS CURRENTLY IN AFFECT)  
 2022 CALIFORNIA BUILDING CODE VALUATION THRESHOLD: \$195,358  
 2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)  
 2019 NFPA 24, PRIVATE FIRE MAINS  
 2022 NFPA 72, NATIONAL FIRE ALARM CODE

### INSPECTOR CLASSIFICATION:

CLASS 3

### DEFERRED APPROVALS:

NONE

DSA PROJECT TRACKING NUMBER: 68676-280

FILE NUMBER: 39-69

APPLICATION NUMBER: 02-122384

### SCOPE OF WORK:

PLAY APPARATUS FOR AGES 2-12 TO BE INSTALLED OVER RECESSED RUBBER TILE FALL PROTECTION.  
 30'X40' FABRIC PC SHADE STRUCTURE OVER PLAY APPARATUS.  
 AT AREA INCORPORATED WITH PLAY APPARATUS, UPDATE ASPHALT PAVING AND REPAINT PLAYGROUND GRAPHICS AS NEEDED. REPAIR EXISTING FENCING BY PROVIDING NEW FENCE FABRIC AND MOW STRIP AT FENCE.  
 UPGRADES TO THE PATH OF TRAVEL TO THE PLAY AREA, INCLUDING, REPAIRING EXISTING CONCRETE WALKS, A NEW ACCESSIBLE PARKING SPACE, AND A NEW PEDESTRIAN GATE.

### EXEMPTIONS:

PLAYGROUND EQUIPMENT IS NOT PART OF DSA/SS REVIEW AS PER DSA IR A-22

FENCING IS NOT PART OF DSA/SS REVIEW AS PER DSA IR A-22.

(N) SHADE STRUCTURE TO COMPLY WITH DSA IR 31-1

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

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

# ARCHITECHNICA

### OWNER

STOCKTON UNIFIED SCHOOL DISTRICT

56 South Lincoln Street  
 Stockton, CA 95203

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

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

### CIVIL ENGINEER

MID VALLEY ENGINEERING 7  
 SURVEYING, INC.

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

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

### ARCHITECT

ARCHITECHNICA

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

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

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

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

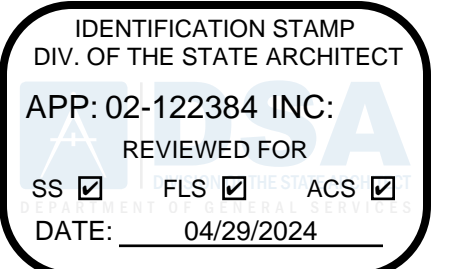
A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

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

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).

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

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.



ARCHITECHNICA

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

www.architechnica.net



© 2024 ARCHITECHNICA

CONSULTANT



KING ES LCAP PRE-K  
 PLAYGROUND  
 PROJECT

2640 LAFAYETTE STREET  
 STOCKTON, CA 95205

STOCKTON UNIFIED  
 SCHOOL DISTRICT

REVISIONS	

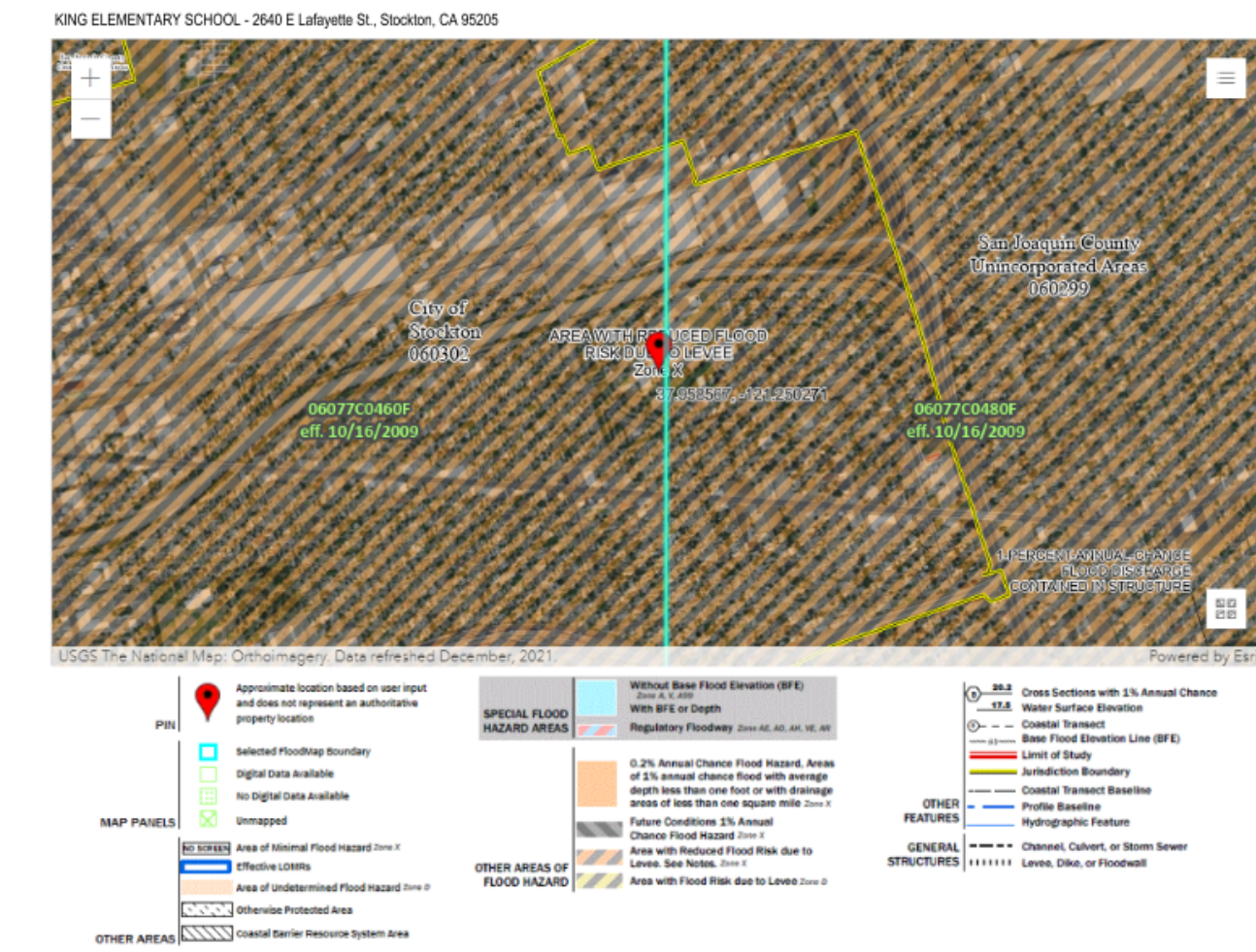
PROJECT NO: 2023-16  
 ISSUE SET: DESIGN DEV.  
 ISSUE DATE: 04/16/2024  
 DRAWN BY: HD

COVER SHEET

G0.0

SYMBOLS LEGEND	
<b>BUILDING SECTION</b>	<b>DRAWING TITLE</b>
<p>DIRECTION OF VIEW</p> <p>SECTION LETTER/NUMBER</p> <p>SHEET ON WHICH SECTION IS DRAWN</p>	<p>LETTER/NUMBER OF PLAN, SECTION, EXTERIOR ELEVATION, GROUP OF INTERIOR ELEVATIONS</p> <p>View Name</p> <p>1/8" = 1'-0"</p> <p>SCALE</p>
<b>WALL SECTION</b>	<b>ROOM NUMBER</b>
<p>DIRECTION OF VIEW</p> <p>SECTION LETTER/NUMBER</p> <p>SHEET ON WHICH SECTION IS DRAWN</p>	<p>ROOM NAME</p> <p>ROOM NAME</p> <p>ROOM NUMBER</p> <p>ROOM AREA</p>
<b>EXTERIOR ELEVATION MARK</b>	<b>GRID LINES</b>
<p>DIRECTION OF VIEW</p> <p>ELEVATION LETTER/NUMBER</p> <p>SHEET ON WHICH ELEVATION IS DRAWN</p>	<p>GRID LETTER/NUMBER</p> <p>MAJOR DIMENSION POINT</p>
<b>INTERIOR ELEVATION MARK</b>	<b>TAGS</b>
<p>ELEVATION LETTER/NUMBER</p> <p>DIRECTION OF VIEW</p> <p>SHEET ON WHICH ELEVATION(S) IS DRAWN</p>	<p>WINDOW / STOREFRONT MARK - SEE WINDOW SCHEDULE</p> <p>DOOR NUMBER - SEE DOOR SCHEDULE</p> <p>CABINET MARK - SEE MILLWORK SCHEDULE</p> <p>TOILET RM ACCESSORY MARK - SEE ACCESSORY SCHEDULE</p> <p>EQUIPMENT MARK - SEE EQUIPMENT SCHEDULE</p> <p>MATERIAL / FINISH MARK - SEE FINISH SCHEDULE</p> <p>KEYNOTE ID - ID NOTE - SEE INDIVIDUAL SHEETS FOR DESCRIPTION</p>
<b>DETAIL MARK</b>	
<p>DETAIL LETTER/NUMBER</p> <p>INDICATES SIMILAR CONDITION TO REFERENCED DETAIL</p> <p>SHEET ON WHICH DETAIL IS DRAWN</p>	

DESIGN DATA	
FOR USE BY THE DIVISION OF THE STATE ARCHITECT	
KING ELEMENTARY SCHOOL LCAP PRE-K PLAYGROUND PROJECT	
<b>(E) BLDG A - ADMINISTRATION / LIBRARY</b>	<p>DSA APP. NO. #02-110513, #31397</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 2,549 SF</p>
<b>(E) BLDG B - ADMINISTRATION</b>	<p>DSA APP. NO. #02-110513, #31397</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 2,688 SF</p>
<b>(E) BLDG C - KINDERGARTEN</b>	<p>DSA APP. NO. #02-110513, #31397, #34305</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 15,410 SF</p>
<b>(E) BLDG D - MAIN CLASSROOM BUILDING</b>	<p>DSA APP. NO. #02-110513, #31397</p> <p>OCCUPANCY GROUP: E, A-2</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 39,718 SF</p>
<b>(E) BLDG E - STUDENT RESTROOMS</b>	<p>DSA APP. NO. #02-110513, #31397</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 874 SF</p>
<b>(E) BLDG K1 - HEAD START</b>	<p>DSA APP. NO. #02-116508</p> <p>OCCUPANCY GROUP: E &amp; B (NON-SEPERATED OCCUPANCIES PER CBC 508.3)</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 1,920 SF</p> <p>OVERHANGS: 360 SF</p> <p>TOTAL AREA: 2,280 SF</p>
<b>(E) BLDG K2 - HEAD START</b>	<p>DSA APP. NO. #02-116508</p> <p>OCCUPANCY GROUP: E (*B ACCESSORY OCCUPANCY PER CBC 508.2)</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 1,440 SF</p> <p>OVERHANGS: 298 SF</p> <p>TOTAL AREA: 1,738 SF</p>
<b>(E) BLDG K3 - HEAD START</b>	<p>DSA APP. NO. #02-116508</p> <p>OCCUPANCY GROUP: E (*B ACCESSORY OCCUPANCY PER CBC 508.2)</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 1,440 SF</p> <p>OVERHANGS: 298 SF</p> <p>TOTAL AREA: 1,738 SF</p>
<b>(E) BLDG P1, P2, &amp; P3 - PORTABLE CLASSROOM</b>	<p>DSA APP. NO. #02-104430</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 960 SF (EACH)</p>
<b>(E) BLDG P4 &amp; P5 - PORTABLE CLASSROOM</b>	<p>DSA APP. NO. #02-100405, #67269</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 1,960 SF (EACH)</p>
<b>(E) BLDG P6 - PORTABLE CLASSROOM</b>	<p>DSA APP. NO. #59012</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 960 SF</p>
<b>(E) BLDG P7 - PORTABLE CLASSROOM</b>	<p>DSA APP. NO. #60788</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 960 SF</p>
<b>(E) BLDG P8 - PORTABLE CLASSROOM</b>	<p>DSA APP. NO. #01-100405, #67269</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 1,960 SF</p>
<b>(E) BLDG P9 - PORTABLE CLASSROOM</b>	<p>DSA APP. NO. #02-103374</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: VB</p> <p>FLOOR AREA: 960 SF</p>
<b>(N) SHADE STRUCTURE "S" TO COMPLY WITH DSA IR 31-1</b>	<p>DSA APP. NO. #02-122384 (THIS APPLICATION)</p> <p>OCCUPANCY GROUP: E</p> <p>CONSTRUCTION TYPE: II-B (NON-SPRINKLERED)</p> <p>AREA: 1,200 SF</p> <p>ALLOWABLE AREA: 14,500 SF</p> <p>OCCUPANT LOAD FACTOR: 20 SF / PERSON</p> <p>TOTAL OCCUPANT: 60</p>
<b>DESIGN CRITERIA</b>	<p>ASCE 7-16</p> <p>SNOW = 0 PSF</p>
<b>WIND</b>	<p>RISK CATEGORY = II</p> <p>V = 93 MPH</p> <p>Vasd = 72 MPH</p>
<b>SEISMIC</b>	<p>RISK CATEGORY = II</p> <p>SITE CLASS = D (DEFAULT)</p> <p>Ss = 0.694</p> <p>SDS = 0.576</p> <p>SDC = D</p>
<b>SOIL BEARING CAPACITY: 1,500 PSF</b>	
<b>CLIMATE ZONE: 12</b>	
<b>TOTAL AREA:</b>	78,095 SF
<b>EXISTING SOLAR PANEL STRUCTURES (5 TOTAL)</b>	
DSA APP. NO. #02-117077	



FLOOD MAP

STATEMENT OF GENERAL CONFORMANCE

(APPLICATION NO. 02-122384 FILE NO. 39-69)

- THE DRAWINGS OR SHEETS LISTED ON THE SHEET INDEX
- THIS DRAWING, PAGE OF SPECIFICATIONS / CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

- DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
- COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341, AND 4-344 OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317(b))

Signature: [Signature] Date: 04/16/2024

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

TIMOTHY DEARBORN, AIA  
Print Name

C-25928 License Number Expiration Date: 12 / 2025

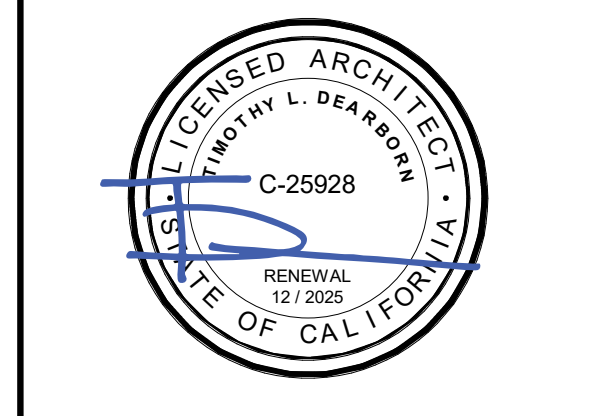
ARCHITECTURAL ABBREVIATIONS

#	AT	BEL	CIR	DF	EX	FOF	HT	LAM	MTFR	[P]	PTDF	RWD	[T]	VG
@	NUMBER	BETW	CJT	DIA	EXC	FOS	HTG	LAV	MTHR	PAR	PAR	RWL	TOC	VGDF
°	DEGREE(S)	BIT	CLG	DIA	EXH	FOS	HVAC	LAV	MTHR	PAR	PTN	RWL	TOP	VGDF
Ø	DIAMETER	BIT	CLR	DIAG	EXH	FPL	HTG	LBL	MTL	PB	PTN	RWL	TOP	VGDF
[A]		BLD	CLS	DIAG	EXIST	FTG	HTG	LL	MULL	PBD	PVC	S	TP	VT
AB	ANCHOR BOLT	BLK	CMU	DIV	EXT	FUT	HW	LL	MWK	PCF	PVMT	SCHE	T&G	W
APPR	APPROXIMATE	BLKG	COL	DIV	EXP	FUT	HW	LPT	MWK	PCF	PVMT	SCHE	T&G	W
OX		BLK	COLUMN	DL	EXT	[G]	[I]	LT	N	PERF	PERF	SD	TEL	W
AP	ACCESS PANEL	BLM	COMB	DP	EXT	GA	ID	LT	NAT	PHWS	QT	SECT	TEL	W
ANOD	ANODIZE	BM	COMBINATION	DR	EXTERIOR	GALV	INCL	LTWT	NIC	PHWS	QUAN	SECT	TER	W
ALUM	ALUMINUM	BOT	COMP	DS	EXTERIOR	GB	INCL	LTV	NL	PL	[R]	SER	THRES	W
AGG	AGGREGATE	BRG	COMP	DTL	EXTERIOR	GC	INCL	LVR	NO	PL	SH	SER	THRES	W
AFF	ABOVE FINISH FLOOR	BRK	COMP	DW	EXTERIOR	GI	INCL	MAX	NRC	PLAS	SHT	SHT	THRES	W
ADJ	ADJUSTABLE	BRZ	CONS	DWG	EXTERIOR	GKT	INCL	MC	NTS	PLAS	SHTG	SHTG	THRES	W
ADJ	ADJACENT	BUR	CONSTRUCT(ION)	[E]	EXISTING	GL	INSUL	MED	[O]	PLAS	SHTG	SHTG	THRES	W
ADH	ADHESIVE	BVL	CONSTRUCT(ION)	E	EXISTING	GRD	INSUL	MED	OC	PLAS	SHTG	SHTG	THRES	W
AD	AREA DRAIN	BD	T	EF	EAST	GRND	INSUL	MED	OC	PLAS	SHTG	SHTG	THRES	W
ACT	ACOUSTIC CEILING	BD	R	EF	EAST	GVL	INSUL	MED	OC	PLAS	SHTG	SHTG	THRES	W
TILE		CAB	CPT	EJ	EAST	GYPB	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
ACC	ACCESS	CAD	CR	EJ	EAST	D	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
AC	AIR CONDITIONING	CB	CR	EJ	EAST	[H]	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
ABV	ABOVE	CER	CR	EJ	EAST	HB	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
ARCH	ARCHITECT(URAL)	CER	CR	EJ	EAST	HBD	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
ASB	ASBESTOS	CFR	CR	EJ	EAST	HC	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
ASPH	ASPHALT	CFL	CR	EJ	EAST	HDR	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
AUTO	AUTOMATIC	CFR	CR	EJ	EAST	HDWD	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
AVG	AVERAGE	CHAM	CR	EJ	EAST	HDWR	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
[B]		CHBD	CR	EJ	EAST	HJT	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
		CHT	CR	EJ	EAST	HOR	INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W
		CI	CR	EJ	EAST		INSUL	MED	OH	PRE-FI	SHTG	SHTG	THRES	W

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024



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



© 2024 ARCHITECTURICA



KING ES LCAP PRE-K PLAYGROUND PROJECT

2640 LAFAYETTE STREET  
STOCKTON, CA 95205

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

ABBREVIATIONS, SYMBOL LEGEND, & SHEET INDEX


G0.1

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

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

PROJECT INFORMATION table with fields for School District/Owner, Project Name/School, and Project Address.

FIRE & LIFE SAFETY INFORMATION table with 3 rows of compliance questions and checkboxes.

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION table with columns for Condition, Means, and Resolution (Yes/No/N/A/N/R).

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...

Accepted by: VICKIE BRUM, Director of Facilities, Signature: VICKIE BRUM, Date: April 15, 2024

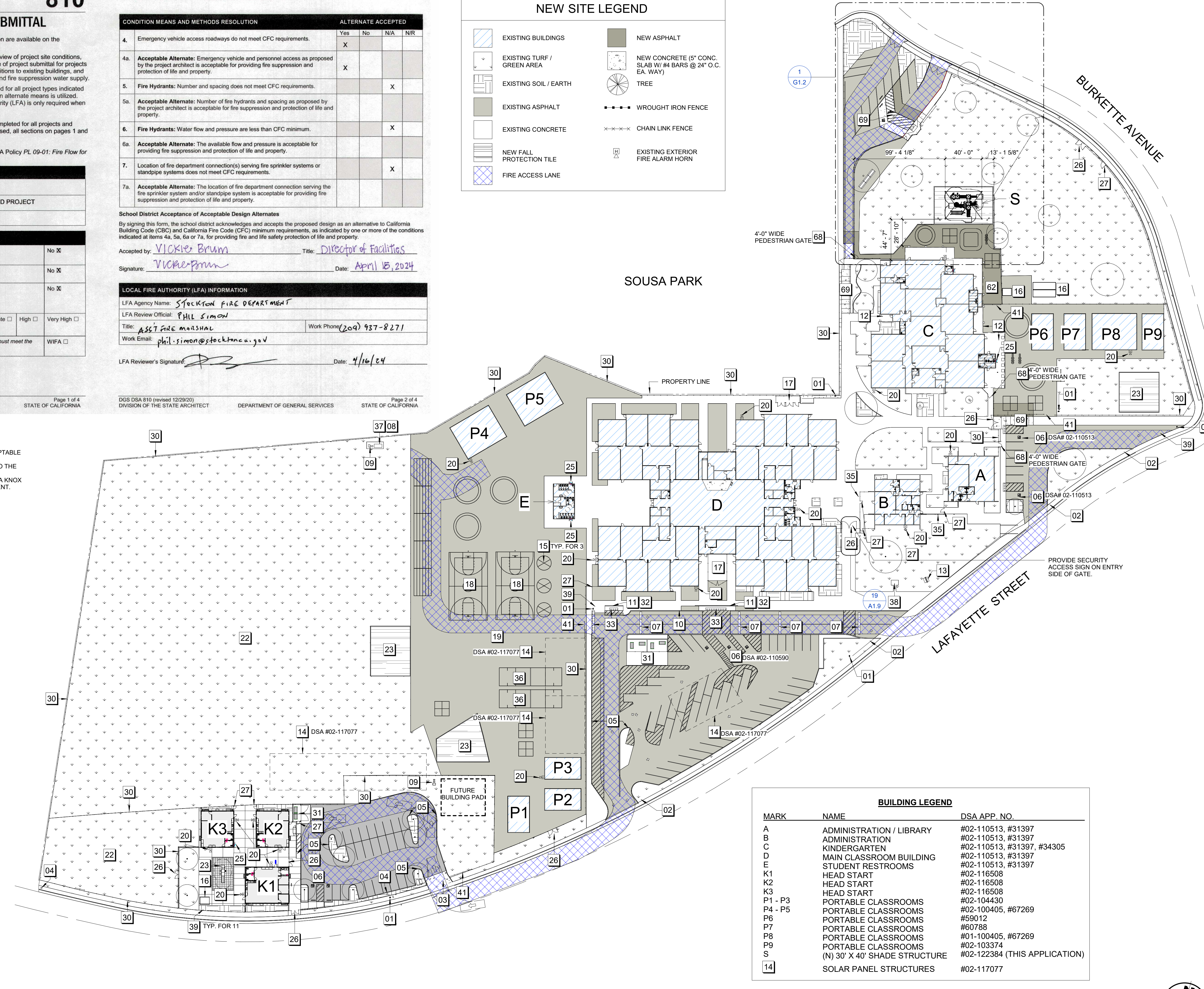
LOCAL FIRE AUTHORITY (LFA) INFORMATION table with fields for LFA Agency Name, LFA Review Official, Title, Work Phone, and Work Email.

NEW SITE LEGEND table defining symbols for existing buildings, turf, soil, asphalt, concrete, fall protection tile, fire access lane, new asphalt, concrete, tree, wrought iron fence, chain link fence, and fire alarm horn.

- 4a. ACCEPTABLE ALTERNATES
1. THE FIRE ACCESS LANE SHOWN ON THE PLANS IS ACCEPTABLE TO THE STOCKTON FIRE DEPARTMENT.
2. THE (E) ASPHALT PAVEMENT SECTION IS ACCEPTABLE TO THE STOCKTON FIRE DEPARTMENT.
3. THE USE OF CUTTABLE CHAIN AND PADLOCK IN LIEU OF A KNOX BOX IS ACCEPTABLE TO THE STOCKTON FIRE DEPARTMENT.

FIRE REVIEW NOTES - G1.1 table listing items 01 through 69 with corresponding descriptions of fire safety features.

1 SITE PLAN - LOCAL FIRE AUTHORITY REVIEW 1" = 50'-0"



BUILDING LEGEND table mapping MARK (A-S, 14) to NAME and DSA APP. NO.



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122384 INC: REVIEWED FOR SS FLS ACS DATE: 04/29/2024

ARCHITECTURICA logo and contact information: 555 West Benjamin Holt Drive, Suite 423 Stockton, California 95207

Professional seal for ARCHITECT L. DARBON, LICENSED ARCHITECT, No. C-25928, RENEWAL 12/2025, STATE OF CALIFORNIA.

© 2024 ARCHITECTURICA



KING ES LCAP PRE-K PLAYGROUND PROJECT 2640 LAFAYETTE STREET STOCKTON, CA 95205 STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS table with columns for revision number, description, and date.

PROJECT NO: 2023-16 ISSUE SET: DESIGN DEV. ISSUE DATE: 04/16/2024 DRAWN BY: HD

SITE PLAN - LOCAL FIRE AUTHORITY REVIEW

**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 fire suppression water supply, for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with 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:	STOCKTON UNIFIED SCHOOL DISTRICT		
Project Name/School:	KING ELEMENTARY SCHOOL PRE-K PLAYGROUND PROJECT		
Project Address:	2640 LAFAYETTE STREET STOCKTON, CA 95205		
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following website for FHSZ locations: <a href="http://egis.fire.ca.gov/FHSZ/">http://egis.fire.ca.gov/FHSZ/</a>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA <input type="checkbox"/>

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.	X			
4a. <b>Acceptable Alternate:</b> Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.	X			
5. Fire Hydrants: Number and spacing does not meet CFC requirements.				
5a. <b>Acceptable Alternate:</b> 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. <b>Acceptable Alternate:</b> 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. <b>Acceptable Alternate:</b> 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: VICKIE BRUM Title: Director of Facilities  
Signature: [Signature] Date: April 16, 2024

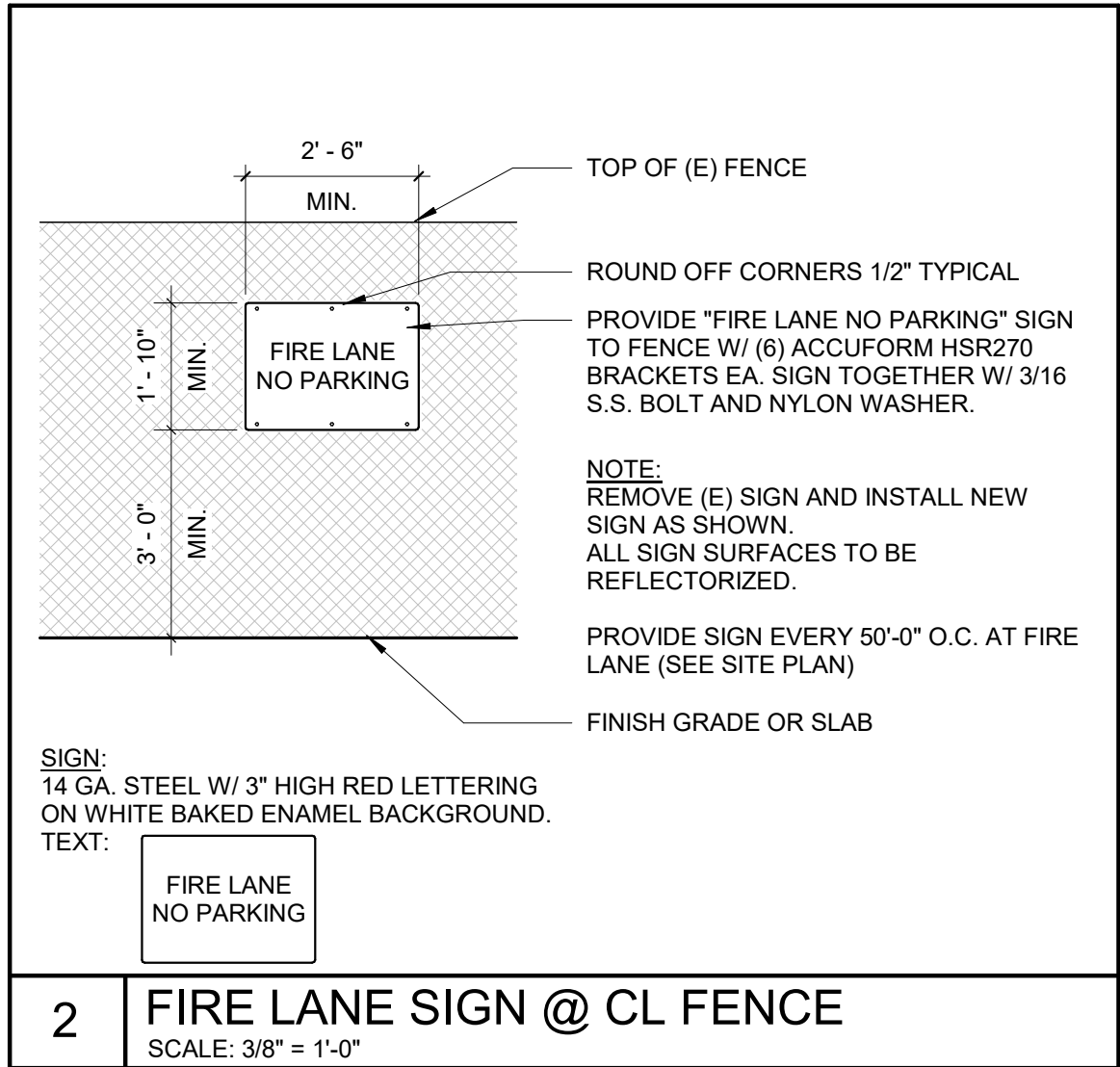
LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	STOCKTON FIRE DEPARTMENT
LFA Review Official:	PHIL SIMON
Title:	ASST FIRE MARSHAL
Work Email:	phil.simon@stocktonca.gov
LFA Reviewer's Signature:	<u>[Signature]</u> Date: <u>4/16/24</u>

- 4a. ACCEPTABLE ALTERNATES**
- THE FIRE ACCESS LANE SHOWN ON THE PLANS IS ACCEPTABLE TO THE STOCKTON FIRE DEPARTMENT.
  - THE (E) ASPHALT PAVEMENT SECTION IS ACCEPTABLE TO THE STOCKTON FIRE DEPARTMENT.
  - THE USE OF CUTTABLE CHAIN AND PADLOCK IN LIEU OF A KNOX BOX IS ACCEPTABLE TO THE STOCKTON FIRE DEPARTMENT.

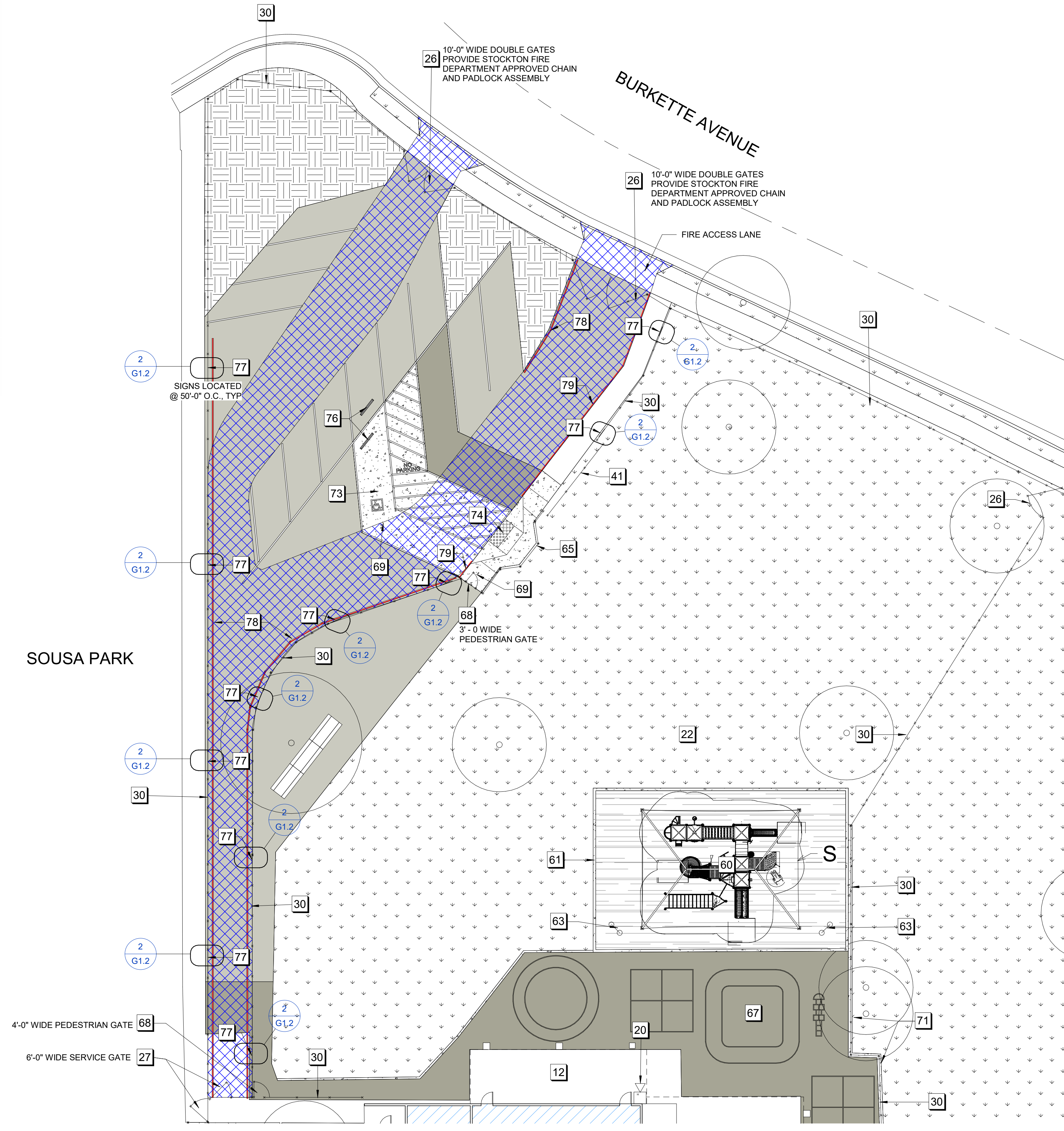
BUILDING LEGEND		
MARK	NAME	DSA APP. NO.
A	ADMINISTRATION / LIBRARY	#02-110513, #31397
B	ADMINISTRATION	#02-110513, #31397
C	KINDERGARTEN	#02-110513, #31397, #34305
D	MAIN CLASSROOM BUILDING	#02-110513, #31397
E	STUDENT RESTROOMS	#02-110513, #31397
K1	HEAD START	#02-116508
K2	HEAD START	#02-116508
K3	HEAD START	#02-116508
P1 - P3	PORTABLE CLASSROOMS	#02-104430
P4 - P5	PORTABLE CLASSROOMS	#02-100405, #67269
P6	PORTABLE CLASSROOMS	#59012
P7	PORTABLE CLASSROOMS	#60788
P8	PORTABLE CLASSROOMS	#01-100405, #67269
P9	PORTABLE CLASSROOMS	#02-103374
S	(N) 30' X 40' SHADE STRUCTURE	#02-122384 (THIS APPLICATION)
14	SOLAR PANEL STRUCTURES	#02-117077

NEW SITE LEGEND	
	EXISTING BUILDINGS
	EXISTING TURF / GREEN AREA
	EXISTING SOIL / EARTH
	EXISTING ASPHALT
	EXISTING CONCRETE
	NEW FALL PROTECTION TILE
	FIRE ACCESS LANE
	NEW ASPHALT
	NEW CONCRETE (5" CONC. SLAB W/ #4 BARS @ 24" O.C. EA. WAY)
	TREE
	WROUGHT IRON FENCE
	CHAIN LINK FENCE
	EXISTING EXTERIOR FIRE ALARM HORN

FIRE REVIEW NOTES - G1.2	
12	(E) COVERED WALKS
20	(E) EXTERIOR FIRE HORN
22	(E) PLAY FIELD
26	(E) MANUAL DOUBLE GATES
27	(E) SINGLE GATE
30	(E) 6'-0" HIGH CHAINLINK FENCE
41	(E) SLIDING GATE
60	(N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE
61	(N) CONCRETE CURB
63	(N) ROCKIN' DRUMS PLAY EVENT
65	(N) 6'-0" HIGH CHAIN LINK FENCING TO MATCH (E) FENCING
67	(N) TRIKE PATH
68	(N) SINGLE GATE
69	(N) CONCRETE WALKWAY
71	(N) MOW STRIP AT (E) FENCE
73	(N) ADA PARKING LOCATION W/ ACCESS AISLE & (N) ADA PARKING SIGN
74	(N) CURB CUT W/ TRUNCATED DOMES
76	(N) WHEEL STOP
77	(N) FIRE LANE NO PARKING SIGN AT (E) CL FENCE
78	(N) 4" WIDE RED PAINTED STRIPE AT FIRE LANE
79	PAINT CURB RED AT FIRE ACCESS LANE



**2 FIRE LANE SIGN @ CL FENCE**  
SCALE: 3/8" = 1'-0"



**1 SITE PLAN - LOCAL FIRE AUTHORITY REVIEW (ENLARGED PLAN)**  
1/16" = 1'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024

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

LICENSED ARCHITECT  
TIMOTHY L. DEARBORN  
C-25928  
RENEWAL 12 / 2025  
STATE OF CALIFORNIA

© 2024 ARCHITECTURICA

M L KING  
KING ES LCAP PRE-K  
PLAYGROUND  
PROJECT

2640 LAFAYETTE STREET  
STOCKTON, CA 95205  
STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: Author

LOCAL FIRE  
AUTHORITY REVIEW  
ENLARGED PLAN

**G1.2**

**ACCESS REVIEW NOTES**

1 - EXISTING	
01	(E) FIRE HYDRANT
02	(E) SIGN
03	(E) CONCRETE DRIVEWAY APRON W/ ROLL TOP CURB
04	(E) POWER POLE
05	(E) RED PAINTED CURB W/ NO PARKING LABELS
06	(E) ADA PARKING & SIGNAGE
07	(E) SPEED BUMP
08	(E) SIGNAL TERMINAL CABINET
09	(E) FIRE ALARM, SIGNAL AND ELECTRICAL PULL BOXES
10	(E) LOADING ZONE W/ GREEN PAINTED CURB
11	(E) BLUE PAINTED CURB
12	(E) COVERED WALKS
13	(E) MONUMENT / SCHOOL SIGN
14	(E) SOLAR PANEL STRUCTURE
15	(E) TETHERBALL COURT
16	(E) STORAGE CONTAINERS
17	(E) EQUIPMENT YARD
18	(E) BASKETBALL COURT
19	(E) HARDCAPE PLAY AREA WITH PLAY YARD PAINT
20	(E) EXTERIOR FIRE HORN
22	(E) PLAY FIELD
23	(E) PLAYGROUND STRUCTURE
25	(E) ACCESSIBLE DRINKING FOUNTAIN PER DSA# 02-110513
26	(E) MANUAL DOUBLE GATES
27	(E) SINGLE GATE
30	(E) 6'-0" HIGH CHAINLINK FENCE
31	(E) TRASH AREA, ENCLOSURE
32	(E) CURB CUT & ADA RAMP
33	(E) TRUNCATED DOMES
35	(E) 6'-0" HIGH ORNAMENTAL WROUGHT IRON FENCE
36	(E) BALL WALL COURT
37	(E) ELECTRICAL TRANSFORMER
38	(E) FLAG POLE
39	(E) CONCRETE BOLLARDS
41	(E) SLIDING GATE
3 - NEW	
60	(N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE
62	(N) ASPHALT
63	(N) ROCKIN' DRUMS PLAY EVENT
67	(N) TRIKE PATH
68	(N) SINGLE GATE
69	(N) CONCRETE WALKWAY
73	(N) ADA PARKING LOCATION W/ ACCESS AISLE & (N) ADA PARKING SIGN

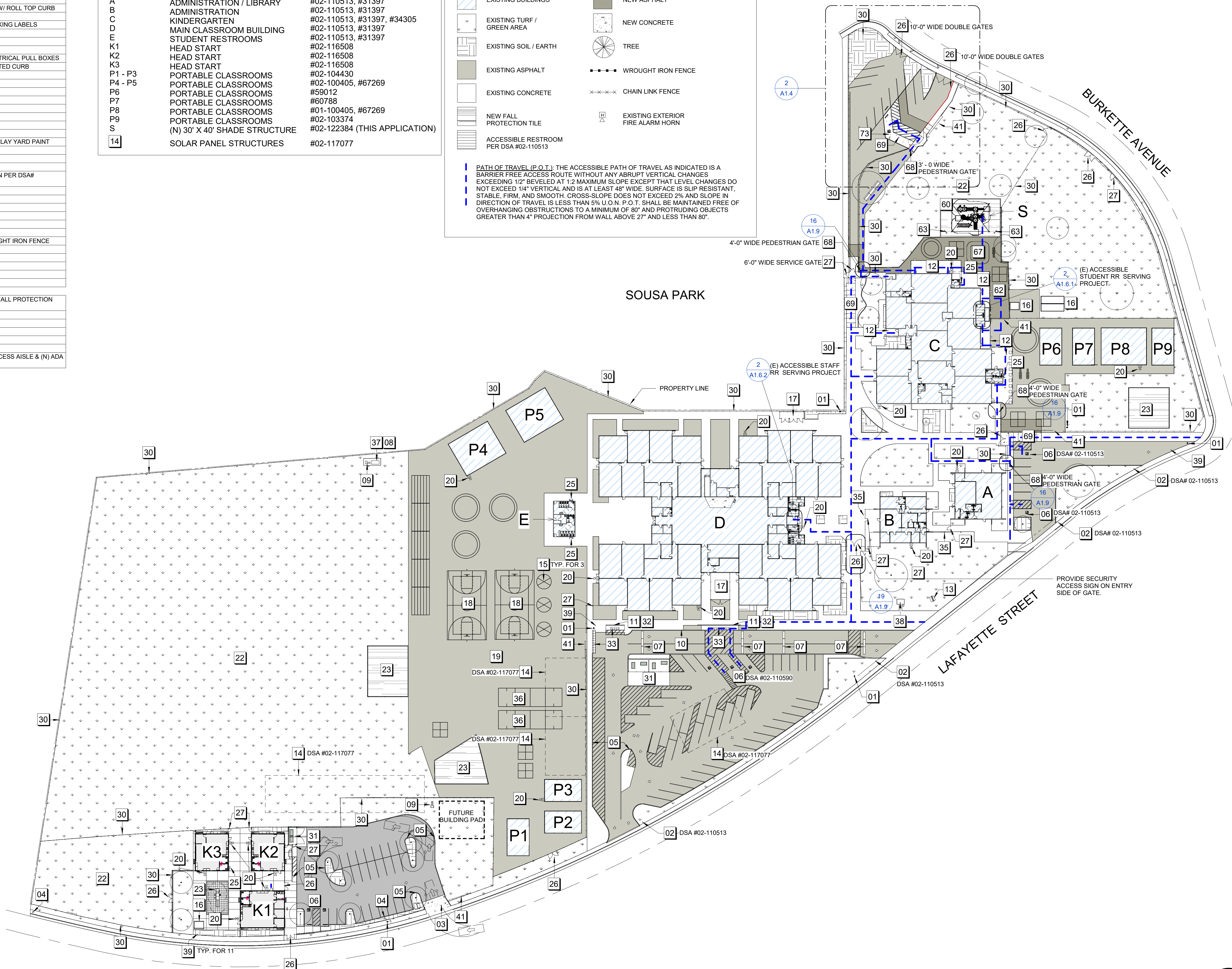
**BUILDING LEGEND**

MARK	NAME	DSA APP. NO.
A	ADMINISTRATION / LIBRARY	#02-110513, #31397
B	ADMINISTRATION	#02-110513, #31397
C	KINDERGARTEN	#02-110513, #31397, #34305
D	MAIN CLASSROOM BUILDING	#02-110513, #31397
E	STUDENT RESTROOMS	#02-110513, #31397
K1	HEAD START	#02-116508
K2	HEAD START	#02-116508
K3	HEAD START	#02-116508
P1 - P3	PORTABLE CLASSROOMS	#02-104430
P4 - P5	PORTABLE CLASSROOMS	#02-100405, #67269
P6	PORTABLE CLASSROOMS	#59012
P7	PORTABLE CLASSROOMS	#60788
P8	PORTABLE CLASSROOMS	#01-100405, #67269
P9	PORTABLE CLASSROOMS	#02-103374
S	(N) 30' X 40' SHADE STRUCTURE	#02-122384 (THIS APPLICATION)
14	SOLAR PANEL STRUCTURES	#02-117077

**NEW SITE LEGEND**

	EXISTING BUILDINGS		NEW ASPHALT
	EXISTING TURF / GREEN AREA		NEW CONCRETE
	EXISTING SOIL / EARTH		TREE
	EXISTING ASPHALT		WROUGHT IRON FENCE
	EXISTING CONCRETE		CHAIN LINK FENCE
	NEW FALL PROTECTION TILE		EXISTING EXTERIOR FIRE ALARM HORN
	ACCESSIBLE RESTROOM PER DSA #02-110513		

**PATH OF TRAVEL (P.O.T.):** THE ACCESSIBLE PATH OF TRAVEL 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 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN DIRECTION OF TRAVEL IS LESS THAN 5% U.O.N. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO A MINIMUM OF 80" AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80".



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024



**ARCHITECHNICA**

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

www.architechnica.net



© 2024 ARCHITECHNICA

CONSULTANT



**KING ES LCAP PRE-K  
PLAYGROUND  
PROJECT**

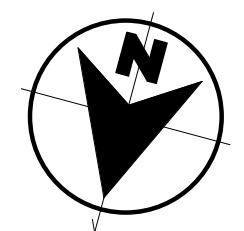
2640 LAFAYETTE STREET  
STOCKTON, CA 95205

STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

**SITE PLAN -  
ACCESSIBILITY  
REVIEW**



**G1.3**



**MVE GENERAL CONSTRUCTION NOTES**

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

**GRADING & EARTHWORK:**

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

**MONUMENT PRESERVATION NOTES:**

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

**UTILITY NOTES:**

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

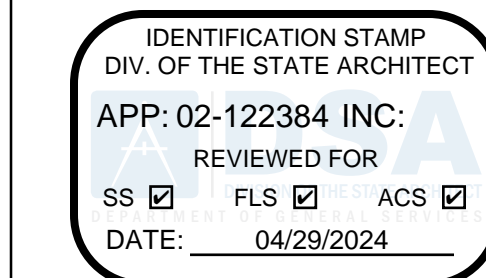
EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST FROM RECORDS BY OTHERS. THE OWNER AND ENGINEER DO NOT ACCEPT RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HAVE EACH UTILITY COMPANY ACCURATELY LOCATE IN THE FIELD THEIR MAINS AND SERVICE LINES. IT SHALL BE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

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

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

**CONSTRUCTION MATERIALS:**

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



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



© 2023 ARCHITECHNICA



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
 STOCKTON, CA 95205

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16, MVE NO: NC23310  
 ISSUE SET: DESIGN DEV.  
 ISSUE DATE: 04/16/2024  
 DRAWN BY: MS

**GENERAL NOTES AND SPECIFICATIONS.**

**GN1**

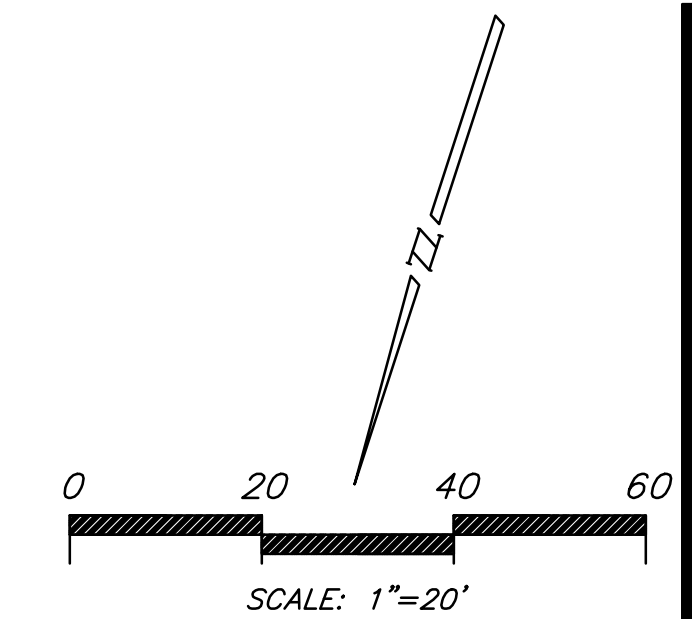
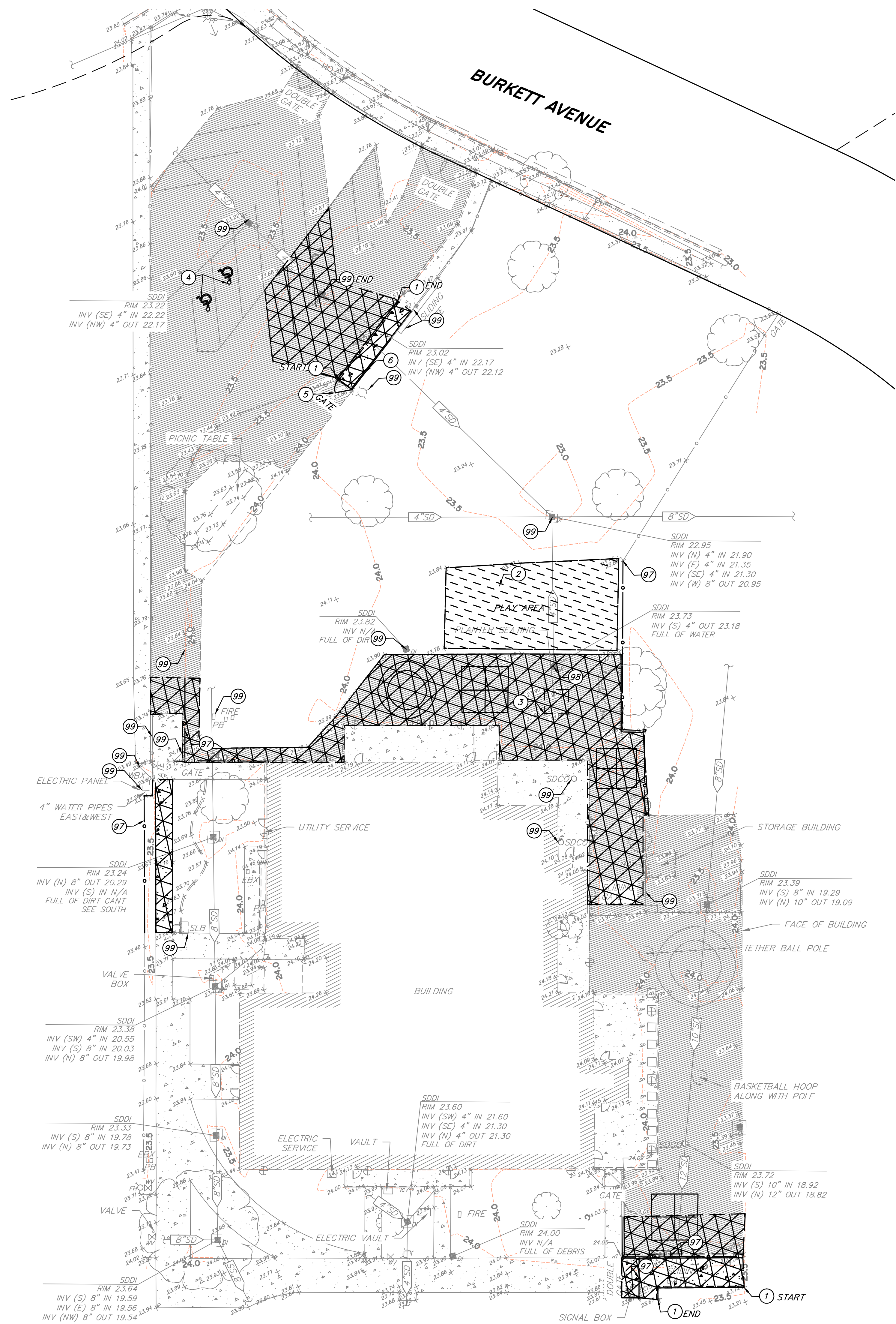


Know what's below.  
 Call before you dig.

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

**UNAUTHORIZED CHANGES & USES**

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



**GENERAL NOTES**

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

**DEMOLITION NOTES**

- 1 CONTRACTOR TO SAWCUT AND REMOVE EXISTING CURB.
- 2 CONTRACTOR TO REMOVE THE PLAYGROUND STRUCTURE FROM THE SITE.
- 3 CONTRACTOR TO DEMOLISH AND REMOVE THE EXISTING PLANTER WITH SEATING FROM SITE.
- 4 CONTRACTOR TO GRIND ASPHALT TO REMOVE ADA STRIPING.
- 5 CONTRACTOR TO REMOVE THE GATE FROM SITE.
- 6 CONTRACTOR TO RELOCATE THE EXISTING FENCE.
- 97 CONTRACTOR TO REMOVE AND SALVAGE THE EXISTING GATE AND FENCE.
- 98 CONTRACTOR TO PROTECT INLET AND SIGNAL BOX INSIDE DEMOLITION AREA IN PLACE.
- 99 CONTRACTOR TO PROTECT IN PLACE.

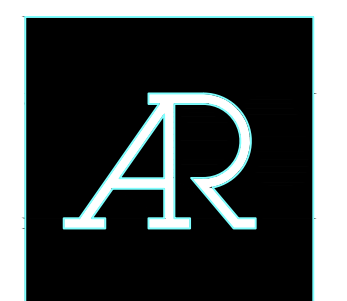
**DEMOLITION LEGEND**

- CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT AND CONCRETE FROM SITE.
- CONTRACTOR TO REMOVE FALL PROTECTION SURFACE FROM SITE.

**EXISTING LEGEND**

- CHAIN LINK FENCE
- 4" SDDI STORM DRAIN LINE
- SDDI STORM DRAIN INLET
- SDCO STORM DRAIN CLEANOUT
- DOWNSPOUT
- WV WATER VALVE
- WBX WATER BOX
- FIRE FIRE ALARM BOX
- FIRE HYDRANT
- ICV IRRIGATION CONTROL BOX
- TREE
- CURB, GUTTER, & SIDEWALK
- CONCRETE
- STREET LIGHT
- SLB STREET LIGHT BOX
- EBX PB ELECTRIC BOX / PULL BOX
- Pp Psp POWER POLE / SERVICE POLE
- GUY WIRE
- OH OVERHEAD LINE
- SP SUPPORT POST
- BUILDING
- ASPHALT

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024

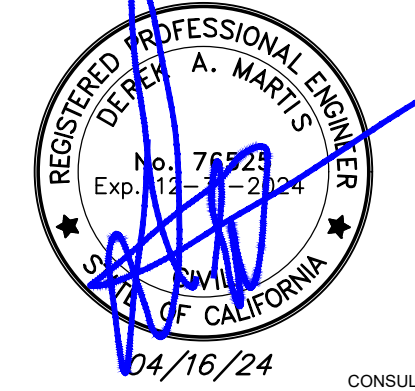


ARCHITECHNICA

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



© 2023 ARCHITECHNICA



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
STOCKTON, CA 95205

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16, MVE NO: NC23310  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: MS

**EXISTING TOPOGRAPHY AND DEMOLITION PLAN**



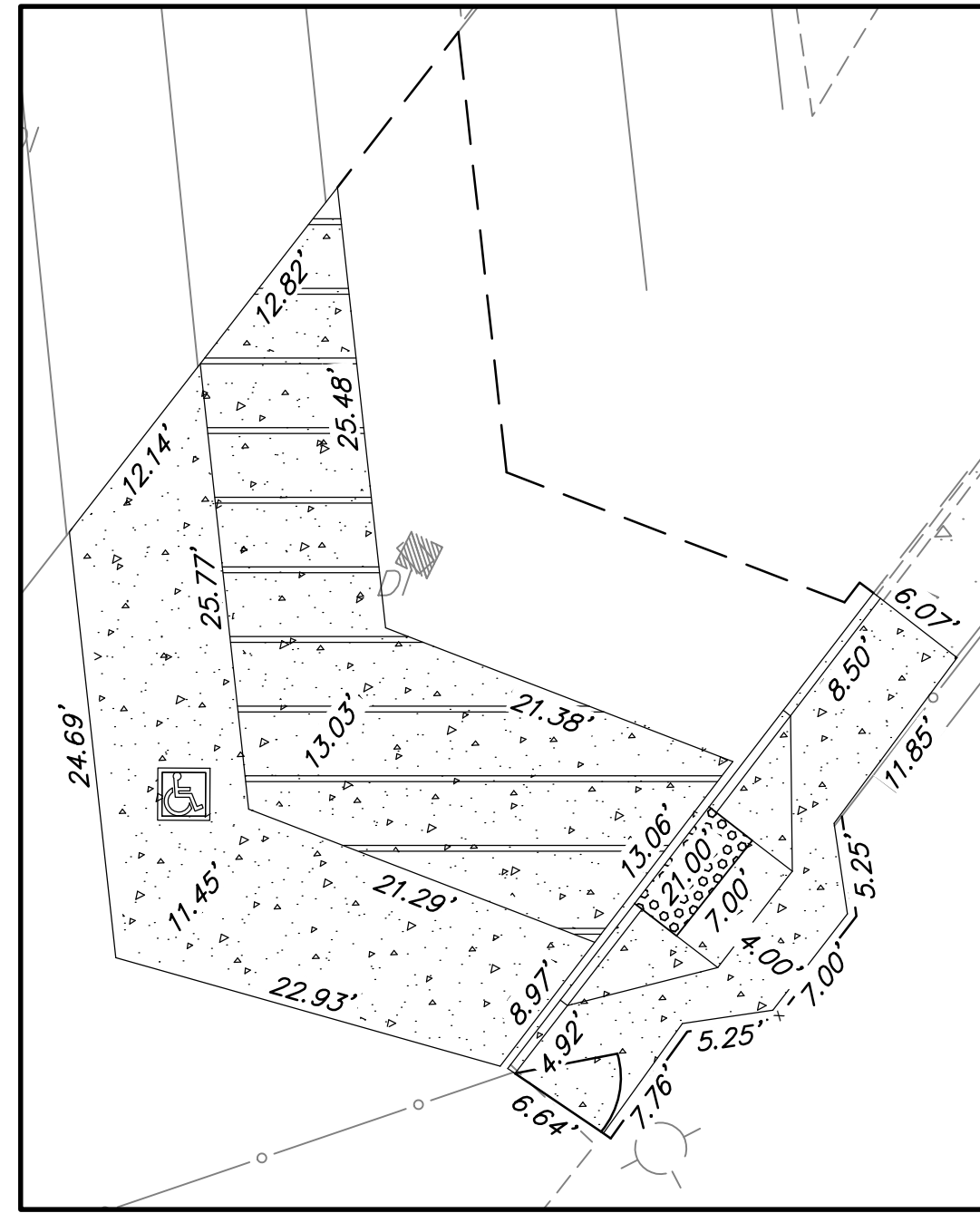
Know what's below.  
Call before you dig.

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

**UNAUTHORIZED CHANGES & USES**

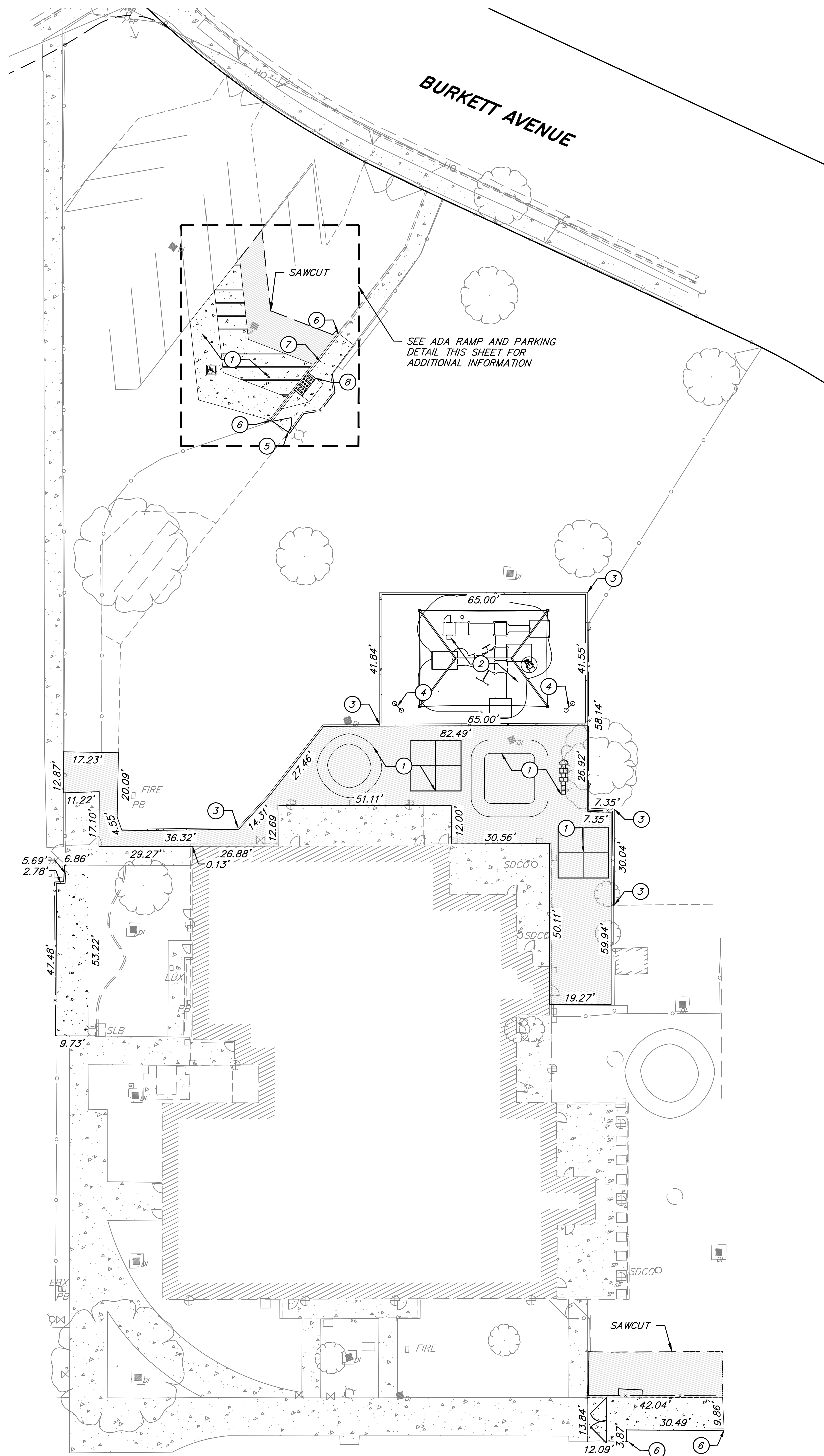
THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

TO1



**ADA RAMP AND PARKING**

SCALE: 1"=10'

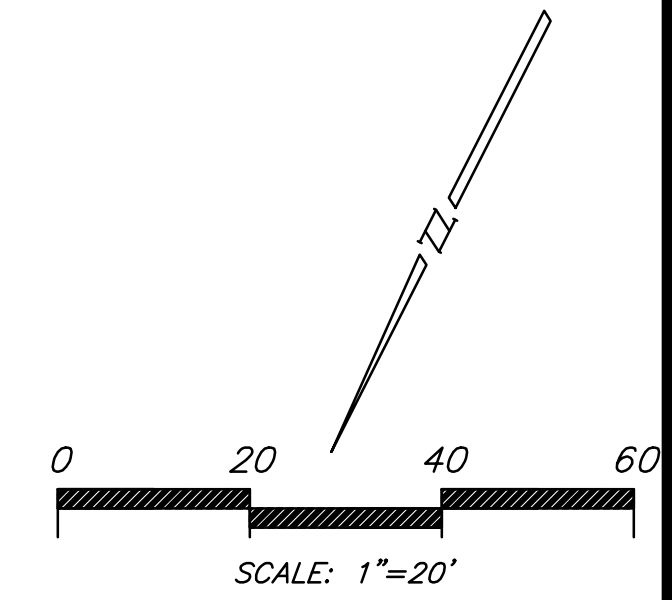


**CONSTRUCTION NOTES**

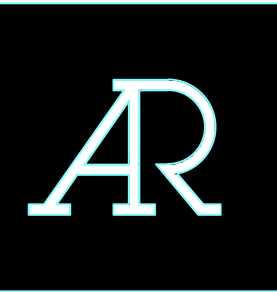
- ① CONTRACTOR TO STRIPE PLAY AREA, ADA PARKING & ACCESS ASILE, SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- ② CONTRACTOR TO INSTALL PLAYGROUND STRUCTURE WITH FALL PROTECTION AND SHADE STRUCTURE, SEE ARCHITECTURAL PLANS BY OTHERS FOR ADDITIONAL INFORMATION.
- ③ CONTRACTOR TO CONSTRUCT MOW CURB, SEE ARCHITECTURAL PLANS BY OTHERS FOR ADDITIONAL INFORMATION.
- ④ CONTRACTOR TO PLACE DRUMS, SEE ARCHITECTURAL PLANS BY OTHERS FOR ADDITIONAL INFORMATION.
- ⑤ CONTRACTOR TO INSTALL GATE, SEE ARCHITECTURAL PLANS BY OTHERS FOR ADDITIONAL INFORMATION.
- ⑥ CONTRACTOR TO CONSTRUCT CURB AND SIDEWALK, SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- ⑦ CONTRACTOR TO CONSTRUCT ADA RAMP, SEE SHEET GP1 FOR GRADING DETAIL A AT ADA RAMP AND PARKING FOR ADDITIONAL INFORMATION.
- ⑧ CONTRACTOR TO INSTALL TRUNCATED DOME WARNING SURFACE, SEE ARCHITECTURAL PLANS BY OTHERS FOR ADDITIONAL INFORMATION.

**LEGEND**

- ASPHALT PAVEMENT  
SEE ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.
- CONCRETE FLATWORK  
SEE ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024



ARCHITECHNICA

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

www.architechnica.net



© 2023 ARCHITECHNICA



CONSULTANT



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
STOCKTON, CA 95205

STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS		

PROJECT NO: 2023-16, MVE NO: NC23310  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: MS

**CALCULATED SITE PLAN**



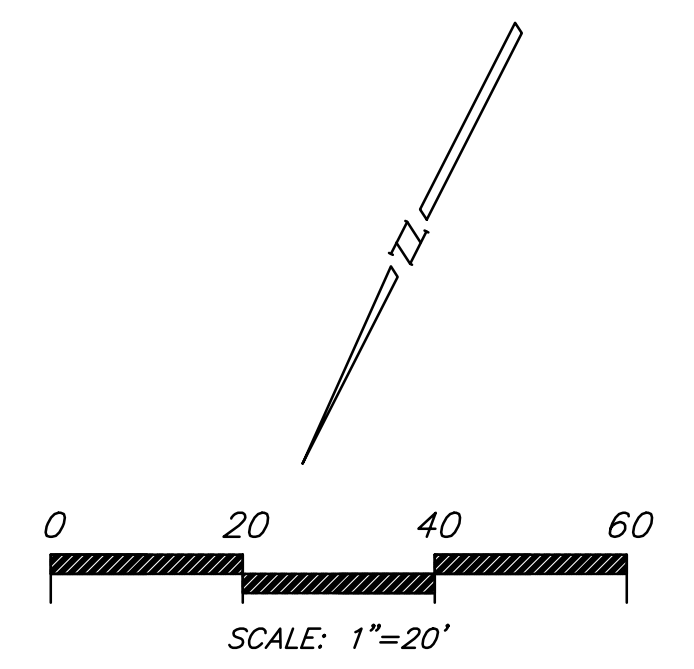
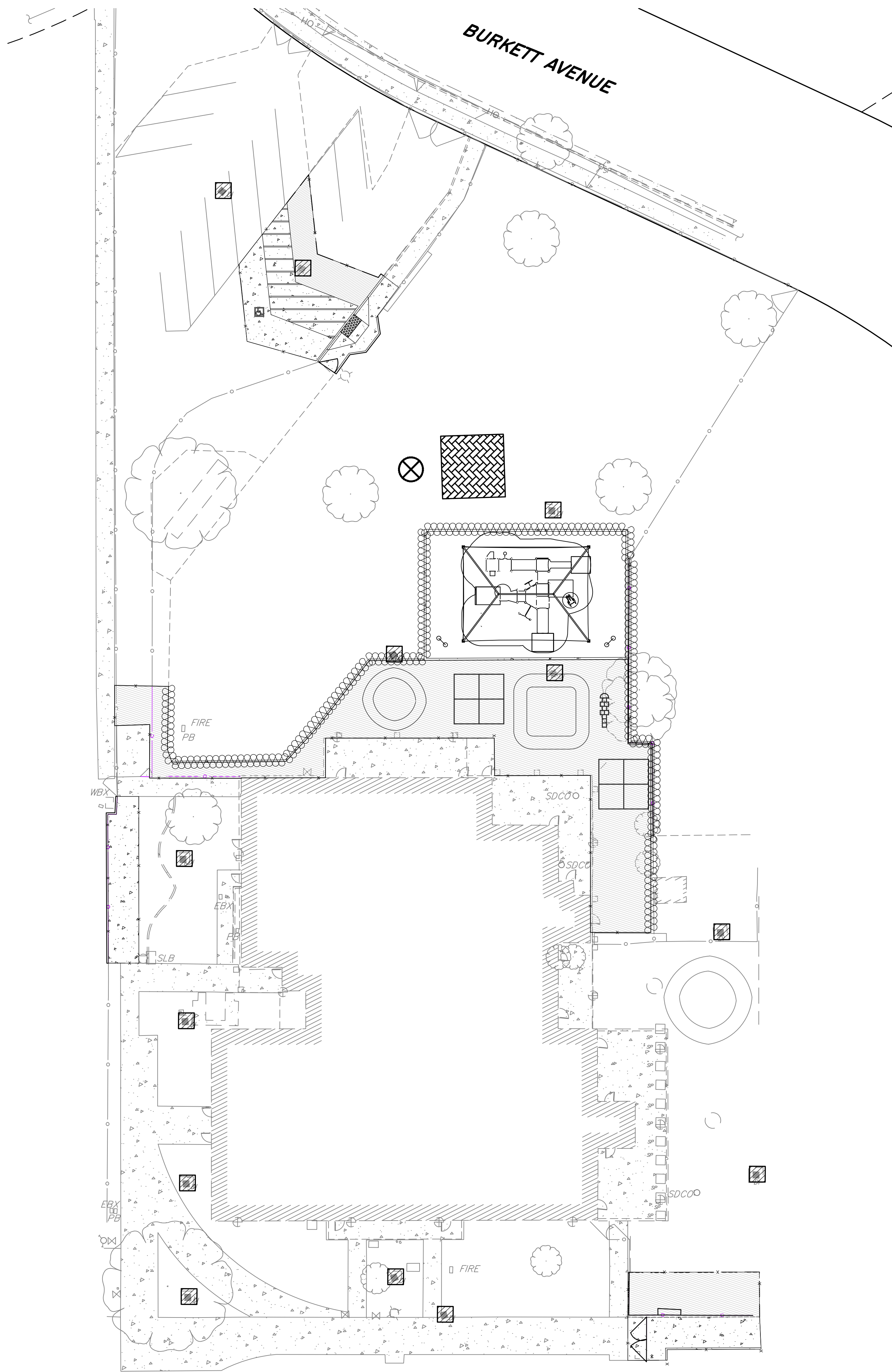
PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT FOR UNDERGROUND CLEARANCE. USA WILL PROVIDE INFORMATION ABOUT OR LOCATE AND MARK UNDERGROUND FACILITIES.

**UNAUTHORIZED CHANGES & USES**

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

CS1





**GENERAL NOTES**

1. CONTRACTOR SHALL INSTALL INLET PROTECTION AT ALL STORM DRAIN INLETS THAT MAY BE SUSCEPTIBLE TO CONSTRUCTION INFLUENCE.
2. BMPS SHOWN SCHEMATICALLY, CONTRACTOR AND SITE QSP TO DETERMINE FINAL LOCATIONS IN THE FIELD.

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

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122384 INC:  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 04/29/2024

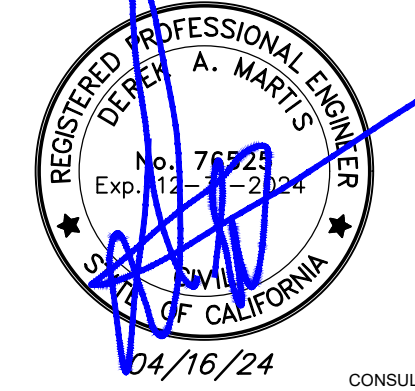


ARCHITECHNICA

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



© 2023 ARCHITECHNICA



CONSULTANT



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
 STOCKTON, CA 95205

STOCKTON UNIFIED  
 SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16, MVE NO: NC23310  
 ISSUE SET: DESIGN DEV.  
 ISSUE DATE: 04/16/2024  
 DRAWN BY: MS

**EROSION CONTROL PLAN**



Know what's below.  
 Call before you dig.

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

**UNAUTHORIZED CHANGES & USES**

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

ER1

**EROSION CONTROL NOTES**

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

**STRAW ROLLS CONSTRUCTION NOTES**

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

**GRAVEL CONSTRUCTION ENTRANCE SPECIFICATIONS**

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

**SILT FENCE CONSTRUCTION SPECIFICATIONS**

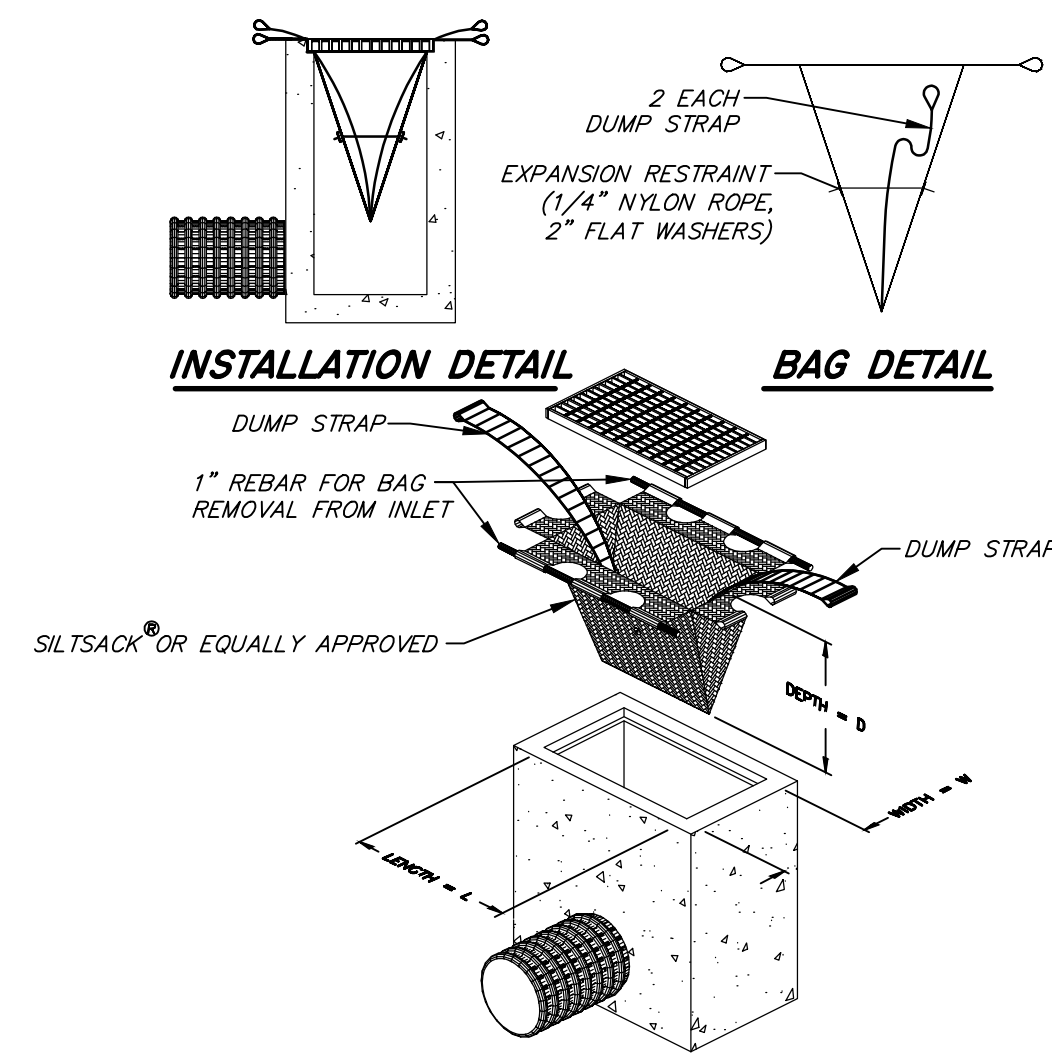
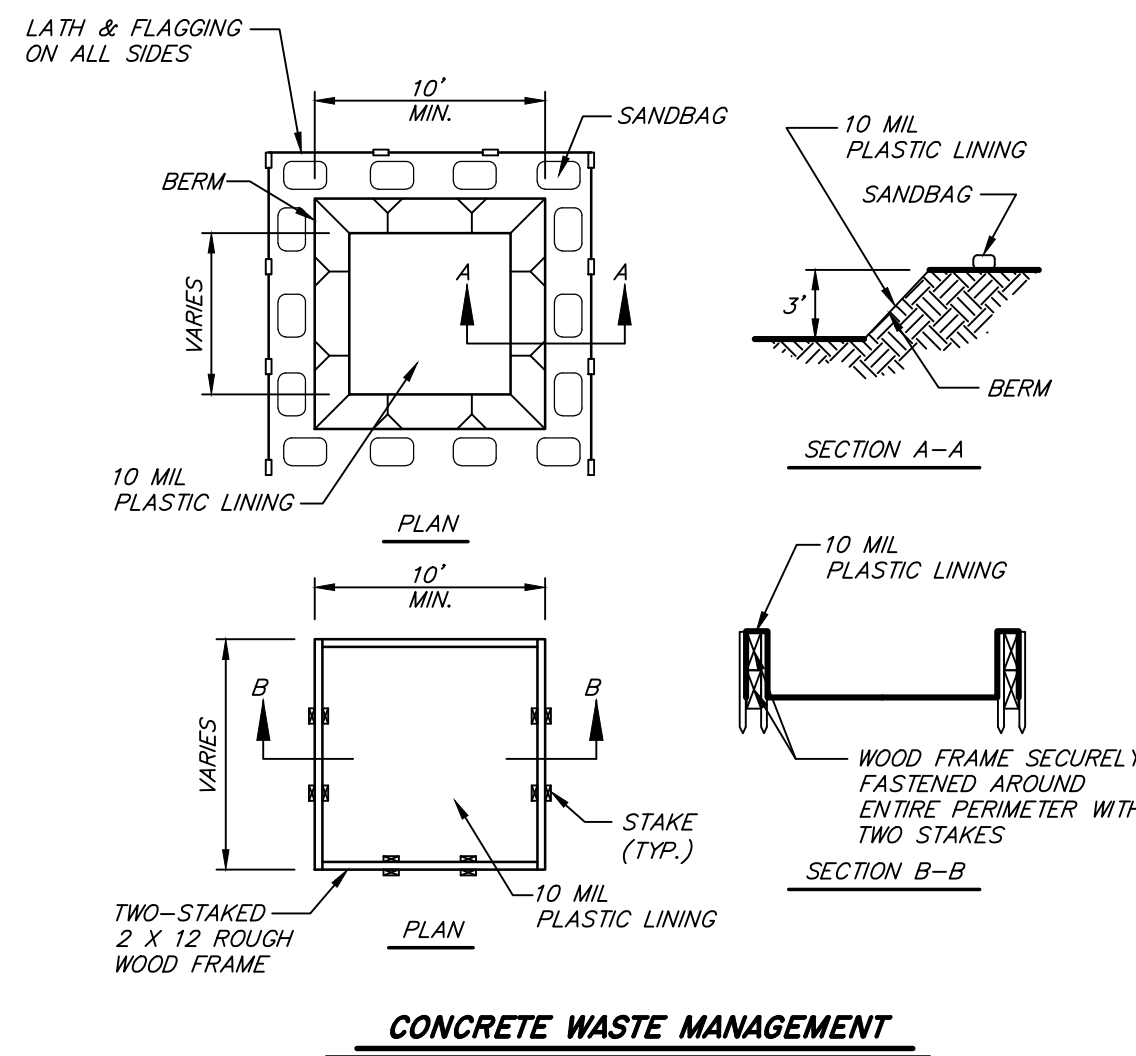
44. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. STORAGE HEIGHT AND PONDING HEIGHT SHALL NEVER EXCEED 9 INCHES.
45. THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE. THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. IF JOINTS ARE NECESSARY, FILTER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

**STORM DRAIN NPDES PERMIT**

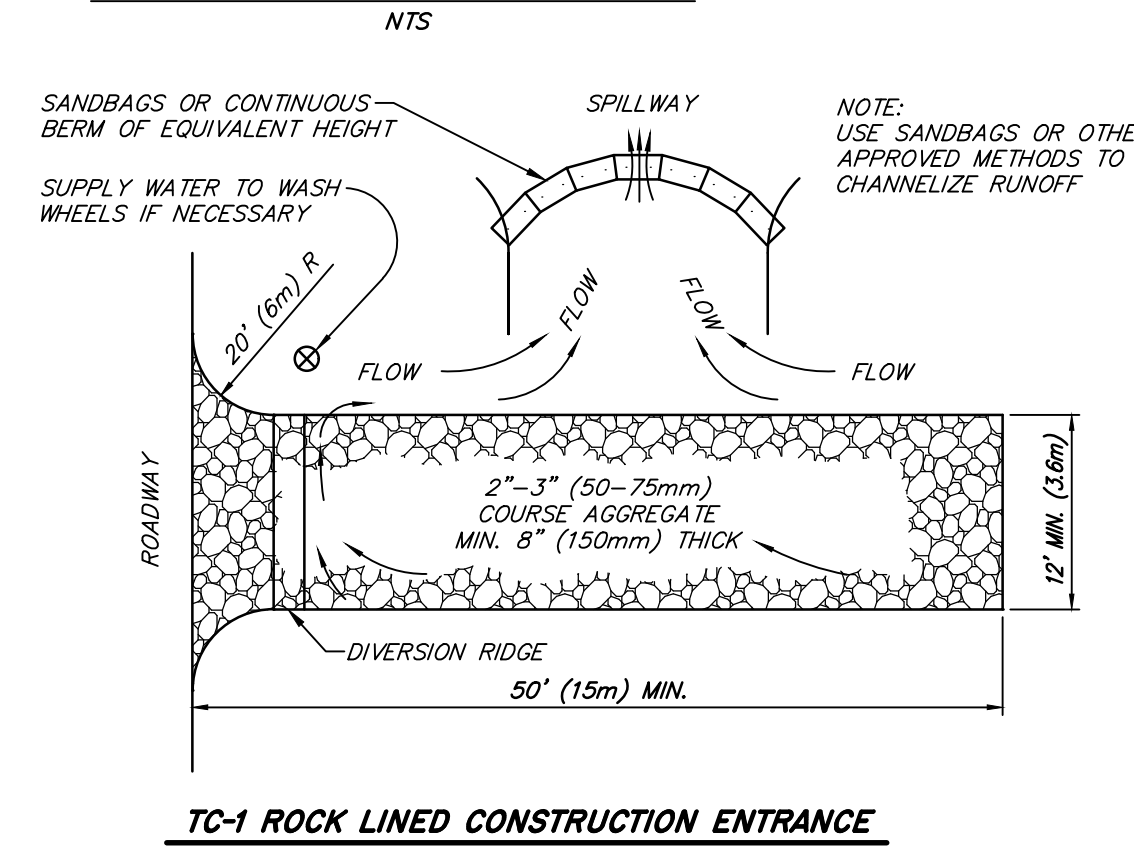
56. TO COMPLY WITH THE STATE OF CALIFORNIA'S STATEWIDE GENERAL NPDES PERMIT. REGULATING DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM SOIL DISTURBANCES OF 1 ACRE OR MORE, A NOTICE OF INTENT (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE FILED AND APPROPRIATE FEE PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE NOI CAN BE OBTAINED BY ENTERING THE PROJECT INFORMATION AND UPLOADING THE PROJECT SWPPP ONTO THE SMARTS WEBSITE. IN ADDITION, AT THE CONCLUSION OF THE PROJECT A NOTICE OF TERMINATION (NOT) MUST ALSO BE FILED. SUBMIT THE FEE, NOI, AND NOC TO THE STATE WATER RESOURCES CONTROL BOARD VIA THE SMARTS WEBSITE.  
STATE WATER RESOURCES CONTROL BOARD SMARTS WEBSITE ADDRESS:  
HTTPS://SMARTS.WATERBOARDS.CA.GOV/SMARTS/FACES/SWSMARTSLOGIN.JSP  
NOI FILE DATE: \_\_\_\_\_  
WQID NO: \_\_\_\_\_
- THIS PROJECT WILL DISTURB LESS THAN 1 ACRE; HOWEVER SHOULD THE CONTRACTOR OR OWNER CHOOSE TO FILE AN NOI AND OBTAIN A WQID NO. FROM THE STATE WATER BOARD, THAT INFORMATION SHALL BE ADDED HERE WHEN OBTAINED.

**SWPPP GENERAL NOTES**

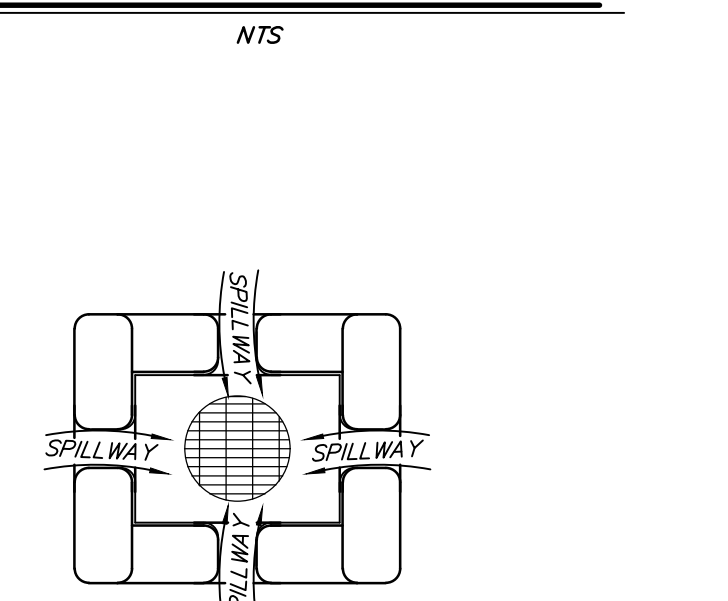
57. ALL OPERATIONS SHALL LIMIT OR EXPEDITIOUSLY REMOVE THE ACCUMULATION OF MUD OR DIRT FROM ADJACENT PUBLIC STREETS AT LEAST ONCE EVERY 24 HOURS WHEN OPERATIONS ARE OCCURRING. (THE USE OF DRY ROTARY BRUSHES IS EXPRESSLY PROHIBITED EXCEPT WHERE PRECEDED OR ACCOMPANIED BY SUFFICIENT WETTING TO LIMIT THE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



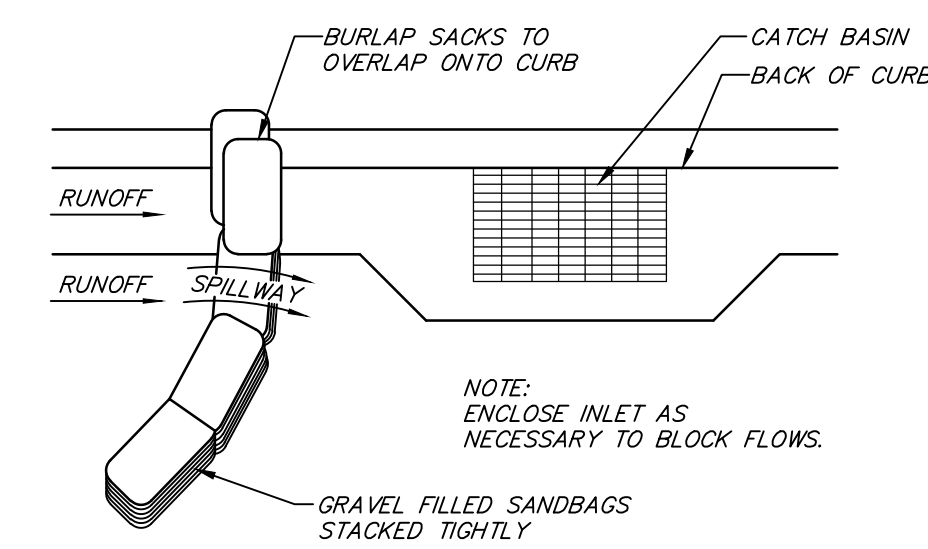
**CONCRETE WASTE MANAGEMENT**



**TYPICAL SILTSACK CONSTRUCTION**

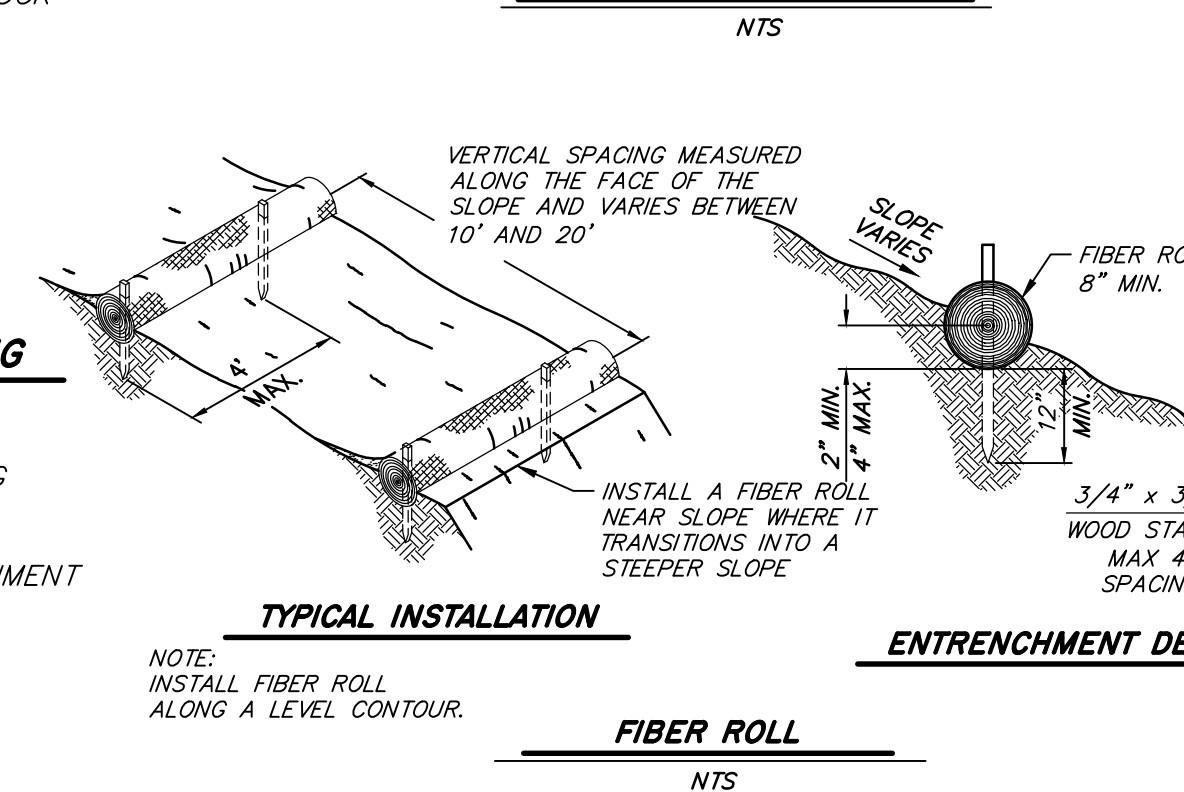


**PLACEMENT AROUND EXISTING CATCH BASIN**



- NOTE:
1. PLACE CURB TYPE SEDIMENT BARRIERS JUST UP SLOPE FROM INLETS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
  2. SANDBAGS OF EITHER BURLAP OR WOVEN 'GEOTEXTILE' FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
  3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
  4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

**INLET SEDIMENT BARRIER**



- NOTE:
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
  2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
  3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
  4. MAY BE USED IN LIEU OF SAND BAG BARRIER AT CONTRACTOR'S OPTION

**SILT FENCE**

NTS



Know what's below.  
Call before you dig.

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

**UNAUTHORIZED CHANGES & USES**

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024

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

LICENSED ARCHITECT  
M. L. DEARBORN  
C-25928  
RENEWAL 12/1/2025  
STATE OF CALIFORNIA

© 2023 ARCHITECTURICA  
**MVE Inc.**  
1117 L Street, Modesto, CA 95354  
866.526.4214 | www.mve.net  
Northern California | Southern California | Nevada

REGISTERED PROFESSIONAL ENGINEER  
A. MARTIN  
Exp. 07/23/2025  
STATE OF CALIFORNIA  
04/16/24  
CONSULTANT



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
STOCKTON, CA 95205

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16, MVE NO: NC23310  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: MS

**EROSION CONTROL NOTES AND DETAILS**

ER2

**CONSTRUCTION NOTES - A1.1**

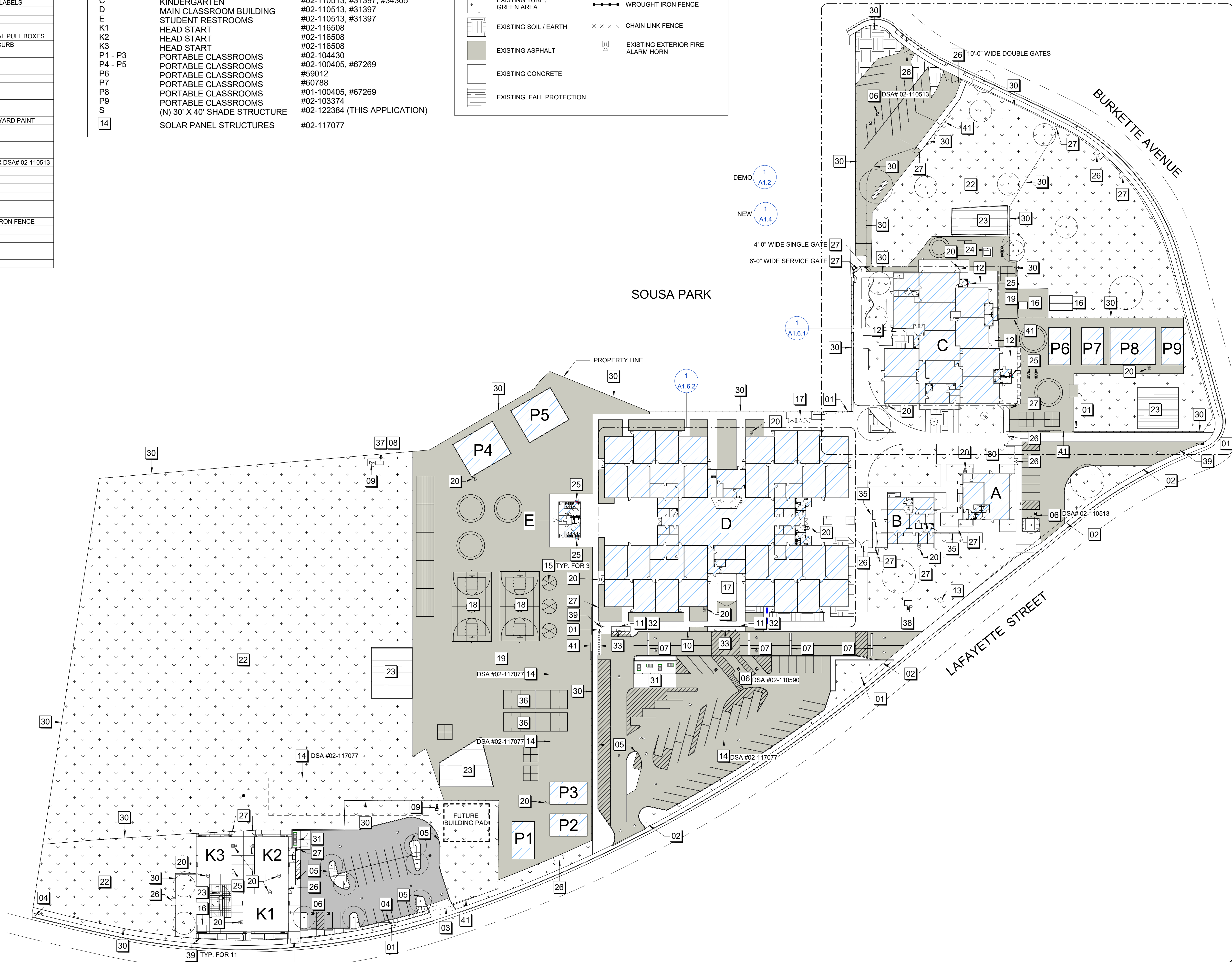
01	(E) FIRE HYDRANT
02	(E) SIGN
03	(E) CONCRETE DRIVEWAY APRON W/ ROLL TOP CURB
04	(E) POWER POLE
05	(E) RED PAINTED CURB W/ NO PARKING LABELS
06	(E) ADA PARKING & SIGNAGE
07	(E) SPEED BUMP
08	(E) SIGNAL TERMINAL CABINET
09	(E) FIRE ALARM, SIGNAL AND ELECTRICAL PULL BOXES
10	(E) LOADING ZONE W/ GREEN PAINTED CURB
11	(E) BLUE PAINTED CURB
12	(E) COVERED WALKS
13	(E) MONUMENT / SCHOOL SIGN
14	(E) SOLAR PANEL STRUCTURE
15	(E) TETHERBALL COURT
16	(E) STORAGE CONTAINERS
17	(E) EQUIPMENT YARD
18	(E) BASKETBALL COURT
19	(E) HARDSCAPE PLAY AREA WITH PLAY YARD PAINT
20	(E) EXTERIOR FIRE HORN
22	(E) PLAY FIELD
23	(E) PLAYGROUND STRUCTURE
24	(E) PLANTER W/ SEATING
25	(E) ACCESSIBLE DRINKING FOUNTAIN PER DSA# 02-110513
26	(E) MANUAL DOUBLE GATES
27	(E) SINGLE GATE
30	(E) 6'-0" HIGH CHAINLINK FENCE
31	(E) TRASH AREA ENCLOSURE
32	(E) CURB CUT & ADA RAMP
33	(E) TRUNCATED DOMES
35	(E) 6'-0" HIGH ORNAMENTAL WROUGHT IRON FENCE
36	(E) BALL WALL COURT
37	(E) ELECTRICAL TRANSFORMER
38	(E) FLAG POLE
39	(E) CONCRETE BOLLARDS
41	(E) SLIDING GATE

**BUILDING LEGEND**

MARK	NAME	DSA APP. NO.
A	ADMINISTRATION / LIBRARY	#02-110513, #31397
B	ADMINISTRATION	#02-110513, #31397
C	KINDERGARTEN	#02-110513, #31397, #34305
D	MAIN CLASSROOM BUILDING	#02-110513, #31397
E	STUDENT RESTROOMS	#02-110513, #31397
K1	HEAD START	#02-116508
K2	HEAD START	#02-116508
K3	HEAD START	#02-116508
P1 - P3	PORTABLE CLASSROOMS	#02-104430
P4 - P5	PORTABLE CLASSROOMS	#02-100405, #67269
P6	PORTABLE CLASSROOMS	#59012
P7	PORTABLE CLASSROOMS	#60788
P8	PORTABLE CLASSROOMS	#01-100405, #67269
P9	PORTABLE CLASSROOMS	#02-103374
S	(N) 30' X 40' SHADE STRUCTURE	#02-122384 (THIS APPLICATION)
14	SOLAR PANEL STRUCTURES	#02-117077

**EXISTING SITE LEGEND**

	EXISTING BUILDINGS		TREE
	EXISTING TURF / GREEN AREA		WROUGHT IRON FENCE
	EXISTING SOIL / EARTH		CHAIN LINK FENCE
	EXISTING ASPHALT		EXISTING EXTERIOR FIRE ALARM HORN
	EXISTING CONCRETE		
	EXISTING FALL PROTECTION		



**1 SITE PLAN - EXISTING**  
1" = 50'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024



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



© 2024 ARCHITECHNICA



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
STOCKTON, CA 95205  
STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	DESCRIPTION

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

**SITE PLAN - EXISTING**

**CONSTRUCTION NOTES - A1.2**

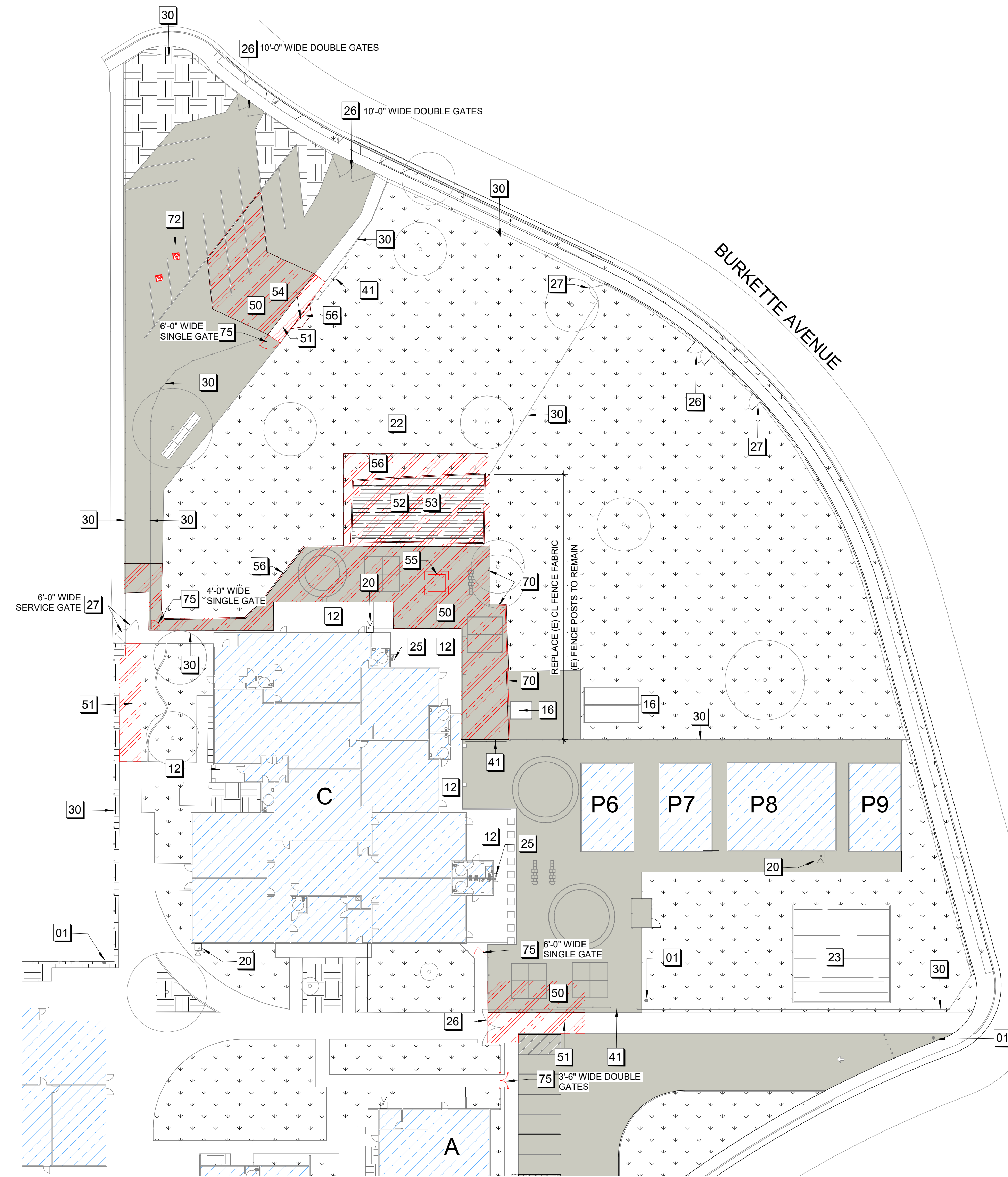
01	(E) FIRE HYDRANT
12	(E) COVERED WALKS
16	(E) STORAGE CONTAINERS
20	(E) EXTERIOR FIRE HORN
22	(E) PLAY FIELD
23	(E) PLAYGROUND STRUCTURE
25	(E) ACCESSIBLE DRINKING FOUNTAIN PER DSA# 02-110513
26	(E) MANUAL DOUBLE GATES
27	(E) SINGLE GATE
30	(E) 6'-0" HIGH CHAINLINK FENCE
41	(E) SLIDING GATE
50	REMOVE (E) ASPHALT
51	REMOVE (E) CONC. WALK
52	REMOVE (E) PLAYGROUND STRUCTURE
53	REMOVE (E) FALL PROTECTION SURFACE
54	(E) FENCING TO BE REMOVED
55	REMOVE (E) PLANTER W/ SEATING
56	REMOVE (E) TURF/GREEN AREA
70	REMOVE (E) FENCE FABRIC
72	RELOCATE ACCESSIBLE PARKING
75	REMOVE (E) GATE

**BUILDING LEGEND**

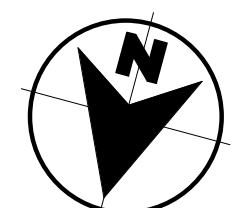
MARK	NAME	DSA APP. NO.
A	ADMINISTRATION / LIBRARY	#02-110513, #31397
B	ADMINISTRATION	#02-110513, #31397
C	KINDERGARTEN	#02-110513, #31397, #34305
D	MAIN CLASSROOM BUILDING	#02-110513, #31397
E	STUDENT RESTROOMS	#02-110513, #31397
K1	HEAD START	#02-116508
K2	HEAD START	#02-116508
K3	HEAD START	#02-116508
P1 - P3	PORTABLE CLASSROOMS	#02-104430
P4 - P5	PORTABLE CLASSROOMS	#02-100405, #67269
P6	PORTABLE CLASSROOMS	#59012
P7	PORTABLE CLASSROOMS	#60788
P8	PORTABLE CLASSROOMS	#01-100405, #67269
P9	PORTABLE CLASSROOMS	#02-103374
S	(N) 30' X 40' SHADE STRUCTURE	#02-122384 (THIS APPLICATION)
14	SOLAR PANEL STRUCTURES	#02-117077

**DEMO SITE LEGEND**

	EXISTING BUILDINGS		TREE
	EXISTING TURF / GREEN AREA		WROUGHT IRON FENCE
	EXISTING SOIL / EARTH		CHAIN LINK FENCE
	EXISTING ASPHALT		EXISTING EXTERIOR FIRE ALARM HORN
	EXISTING CONCRETE		TO BE DEMOLISHED
	EXISTING FALL PROTECTION		



**1 ENLARGED SITE PLAN - DEMO**  
1" = 30'-0"

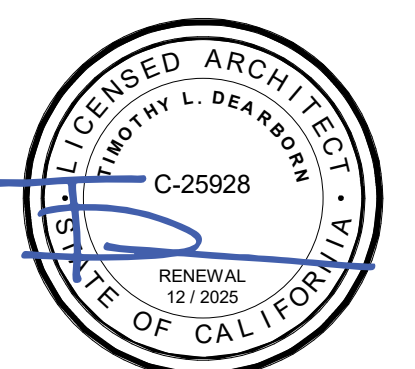


IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR:  
SS  FLS  ACS   
DATE: 04/29/2024



**ARCHITECHNICA**

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



© 2024 ARCHITECHNICA

CONSULTANT



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
STOCKTON, CA 95205

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

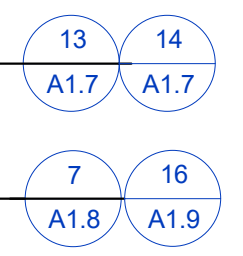
**SITE PLAN - ENLARGED DEMO**

**A1.2**



**CONSTRUCTION NOTES - A1.3**

01	(E) FIRE HYDRANT
02	(E) SIGN
03	(E) CONCRETE DRIVEWAY APRON W/ ROLL TOP CURB
04	(E) POWER POLE
05	(E) RED PAINTED CURB W/ NO PARKING LABELS
06	(E) ADA PARKING & SIGNAGE
07	(E) SPEED BUMP
08	(E) SIGNAL TERMINAL CABINET
09	(E) FIRE ALARM, SIGNAL AND ELECTRICAL PULL BOXES
10	(E) LOADING ZONE W/ GREEN PAINTED CURB
11	(E) BLUE PAINTED CURB
12	(E) COVERED WALKS
13	(E) MONUMENT / SCHOOL SIGN
14	(E) SOLAR PANEL STRUCTURE
15	(E) TETHERBALL COURT
16	(E) STORAGE CONTAINERS
17	(E) EQUIPMENT YARD
18	(E) BASKETBALL COURT
19	(E) HARDSCAPE PLAY AREA WITH PLAY YARD PAINT
20	(E) EXTERIOR FIRE HORN
22	(E) PLAY FIELD
23	(E) PLAYGROUND STRUCTURE
25	(E) ACCESSIBLE DRINKING FOUNTAIN PER DSA# 02-110513
26	(E) MANUAL DOUBLE GATES
27	(E) SINGLE GATE
30	(E) 6'-0" HIGH CHAINLINK FENCE
31	(E) TRASH AREA ENCLOSURE
32	(E) CURB CUT & ADA RAMP
33	(E) TRUNCATED DOMES
35	(E) 6'-0" HIGH ORNAMENTAL WROUGHT IRON FENCE
36	(E) BALL WALL COURT
37	(E) ELECTRICAL TRANSFORMER
38	(E) FLAG POLE
39	(E) CONCRETE BOLLARDS
41	(E) SLIDING GATE
60	(N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE
61	(N) CONCRETE CURB
62	(N) ASPHALT
63	(N) ROCKIN' DRUMS PLAY EVENT
67	(N) TRIKE PATH
68	(N) SINGLE GATE
69	(N) CONCRETE WALKWAY

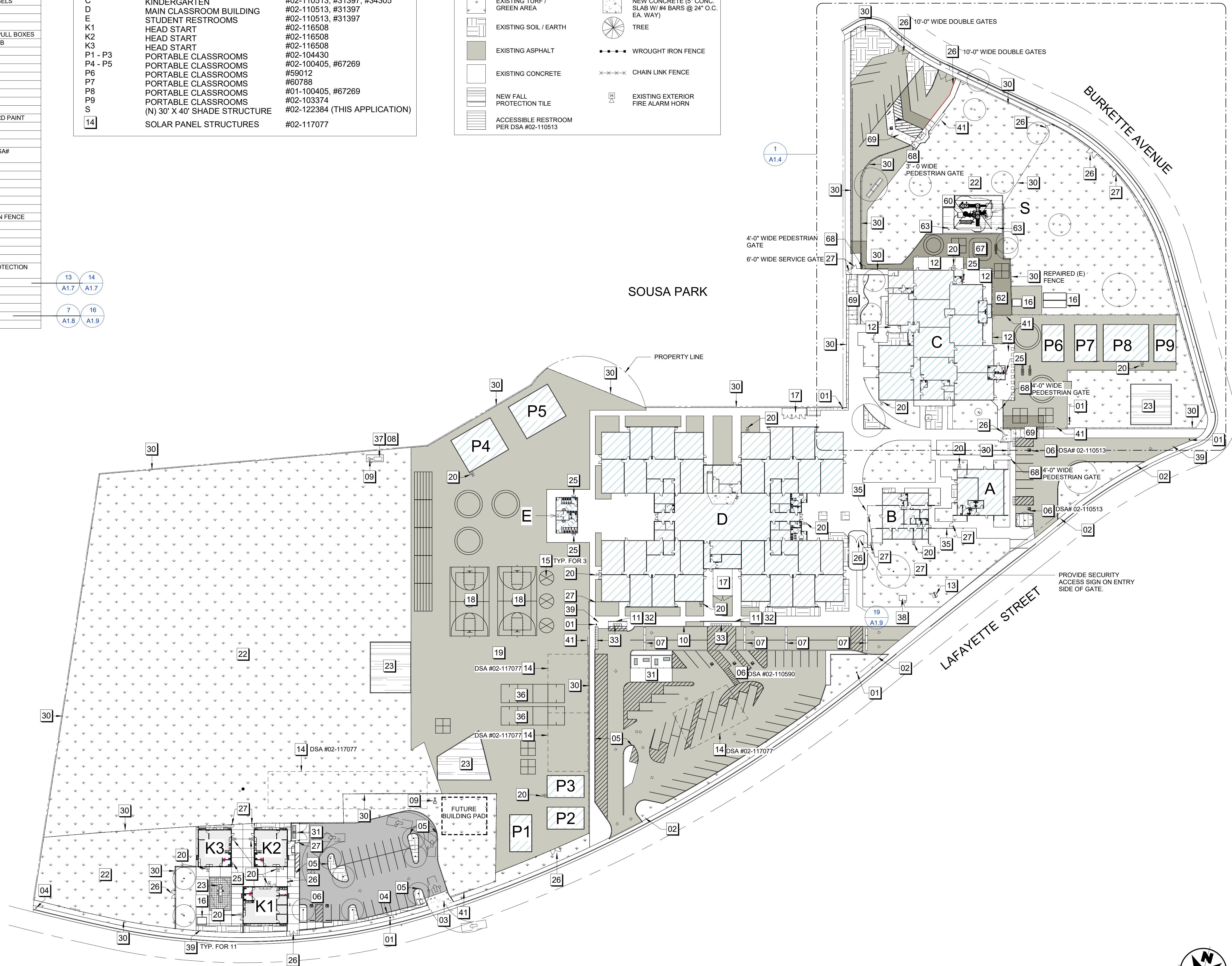


**BUILDING LEGEND**

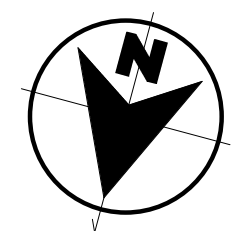
MARK	NAME	DSA APP. NO.
A	ADMINISTRATION / LIBRARY	#02-110513, #31397
B	ADMINISTRATION	#02-110513, #31397
C	KINDERGARTEN	#02-110513, #31397, #34305
D	MAIN CLASSROOM BUILDING	#02-110513, #31397
E	STUDENT RESTROOMS	#02-110513, #31397
K1	HEAD START	#02-116508
K2	HEAD START	#02-116508
K3	HEAD START	#02-116508
P1 - P3	PORTABLE CLASSROOMS	#02-104430
P4 - P5	PORTABLE CLASSROOMS	#02-100405, #67269
P6	PORTABLE CLASSROOMS	#59012
P7	PORTABLE CLASSROOMS	#60788
P8	PORTABLE CLASSROOMS	#01-100405, #67269
P9	PORTABLE CLASSROOMS	#02-103374
S	(N) 30' X 40' SHADE STRUCTURE	#02-122384 (THIS APPLICATION)
14	SOLAR PANEL STRUCTURES	#02-117077

**NEW SITE LEGEND**

	EXISTING BUILDINGS		NEW ASPHALT
	EXISTING TURF / GREEN AREA		NEW CONCRETE (5" CONC. SLAB W/ #4 BARS @ 24" O.C. EA. WAY)
	EXISTING SOIL / EARTH		TREE
	EXISTING ASPHALT		WROUGHT IRON FENCE
	EXISTING CONCRETE		CHAIN LINK FENCE
	NEW FALL PROTECTION TILE		EXISTING EXTERIOR FIRE ALARM HORN
	ACCESSIBLE RESTROOM PER DSA #02-110513		



1 SITE PLAN - PROPOSED  
1" = 50'-0"



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024



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



© 2024 ARCHITECHNICA

CONSULTANT



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
STOCKTON, CA 95205

STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

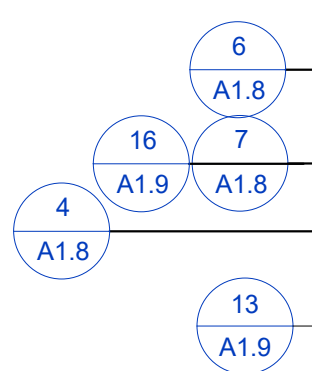
NO.	DESCRIPTION

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

**SITE PLAN - OVERALL PROPOSED**

**CONSTRUCTION NOTES - A1.4**

01	(E) FIRE HYDRANT
12	(E) COVERED WALKS
16	(E) STORAGE CONTAINERS
20	(E) EXTERIOR FIRE HORN
22	(E) PLAY FIELD
23	(E) PLAYGROUND STRUCTURE
25	(E) ACCESSIBLE DRINKING FOUNTAIN PER DSA# 02-110513
26	(E) MANUAL DOUBLE GATES
27	(E) SINGLE GATE
30	(E) 6'-0" HIGH CHAINLINK FENCE
41	(E) SLIDING GATE
60	(N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE
62	(N) ASPHALT
63	(N) ROCKIN' DRUMS PLAY EVENT
65	(N) 6'-0" HIGH CHAIN LINK FENCING TO MATCH (E) FENCING
67	(N) TRIKE PATH
68	(N) SINGLE GATE
69	(N) CONCRETE WALKWAY
71	(N) MOW STRIP AT (E) FENCE
73	(N) ADA PARKING LOCATION W/ ACCESS AISLE & (N) ADA PARKING SIGN
74	(N) CURB CUT W/ TRUNCATED DOMES
76	(N) WHEEL STOP
77	(N) FIRE LANE NO PARKING SIGN AT (E) CL FENCE
78	(N) 4" WIDE RED PAINTED STRIPE AT FIRE LANE
79	PAINT CURB RED AT FIRE ACCESS LANE

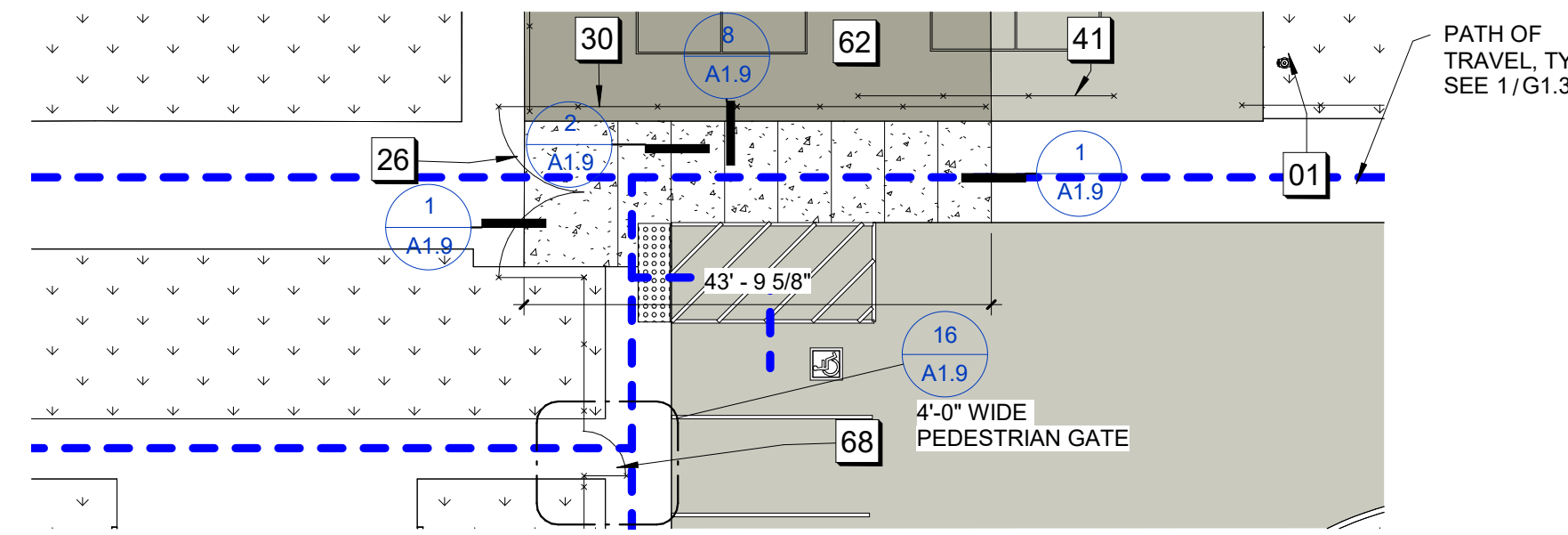


**BUILDING LEGEND**

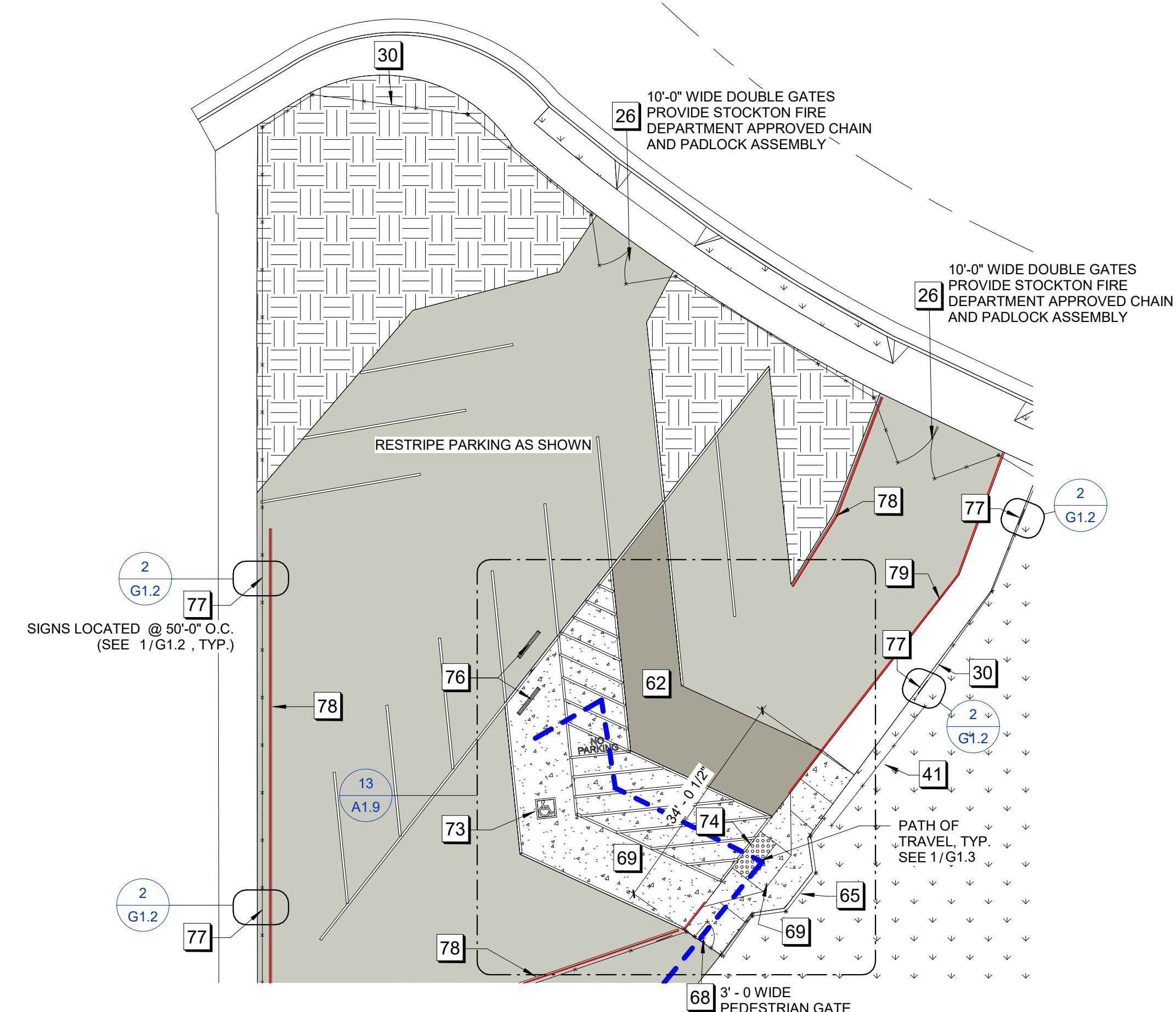
MARK	NAME	DSA APP. NO.
A	ADMINISTRATION / LIBRARY	#02-110513, #31397
B	ADMINISTRATION	#02-110513, #31397
C	KINDERGARTEN	#02-110513, #31397, #34305
D	MAIN CLASSROOM BUILDING	#02-110513, #31397
E	STUDENT RESTROOMS	#02-110513, #31397
K1	HEAD START	#02-116508
K2	HEAD START	#02-116508
K3	HEAD START	#02-116508
P1 - P3	PORTABLE CLASSROOMS	#02-104430
P4 - P5	PORTABLE CLASSROOMS	#02-100405, #67269
P6	PORTABLE CLASSROOMS	#59012
P7	PORTABLE CLASSROOMS	#60788
P8	PORTABLE CLASSROOMS	#01-100405, #67269
P9	PORTABLE CLASSROOMS	#02-103374
S	(N) 30' X 40' SHADE STRUCTURE	#02-122384 (THIS APPLICATION)
14	SOLAR PANEL STRUCTURES	#02-117077

**NEW SITE LEGEND**

	EXISTING BUILDINGS		NEW ASPHALT
	EXISTING TURF / GREEN AREA		NEW CONCRETE (5" CONC. SLAB W/ #4 BARS @ 24" O.C. EA. WAY)
	EXISTING SOIL / EARTH		TREE
	EXISTING ASPHALT		WROUGHT IRON FENCE
	EXISTING CONCRETE		CHAIN LINK FENCE
	NEW FALL PROTECTION TILE		EXISTING EXTERIOR FIRE ALARM HORN
	ACCESSIBLE RESTROOM PER DSA #02-110513		

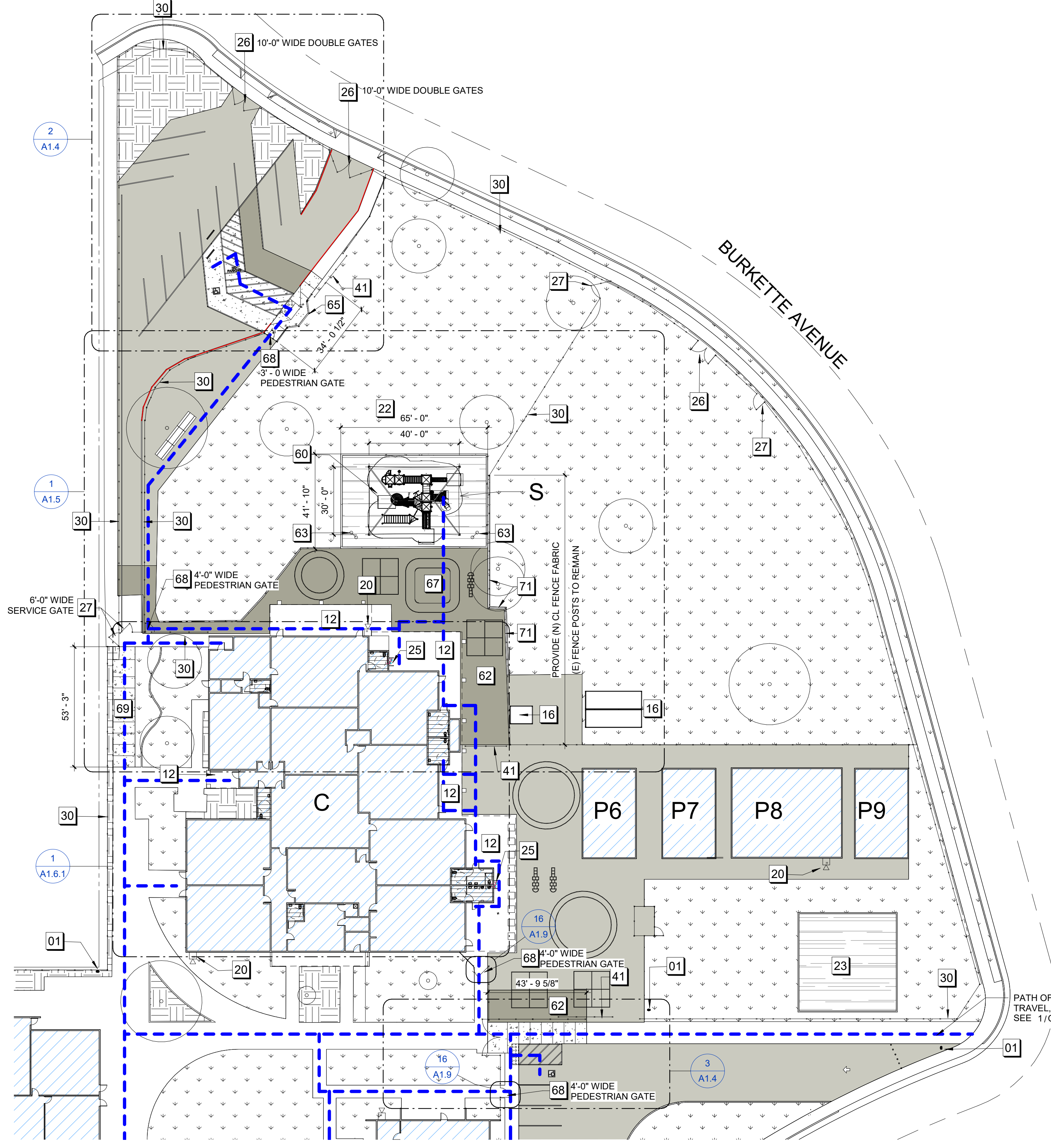


**3 (N) CONC. WALK**  
1/16" = 1'-0"



**2 ENLARGED SITE PLAN - STAFF PARKING LOT**  
1/16" = 1'-0"

**PLAYGROUND STRUCTURE W/ SHADE STRUCTURE (AXONS)**



**1 ENLARGED SITE PLAN - PROPOSED**  
1" = 30'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024



ARCHITECHNICA

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

www.architechnica.net



© 2024 ARCHITECHNICA

CONSULTANT



**KING ES LCAP PRE-K PLAYGROUND PROJECT**

2640 LAFAYETTE STREET  
STOCKTON, CA 95205

STOCKTON UNIFIED SCHOOL DISTRICT

NO.	REVISIONS

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

**SITE PLAN - ENLARGED PROPOSED**

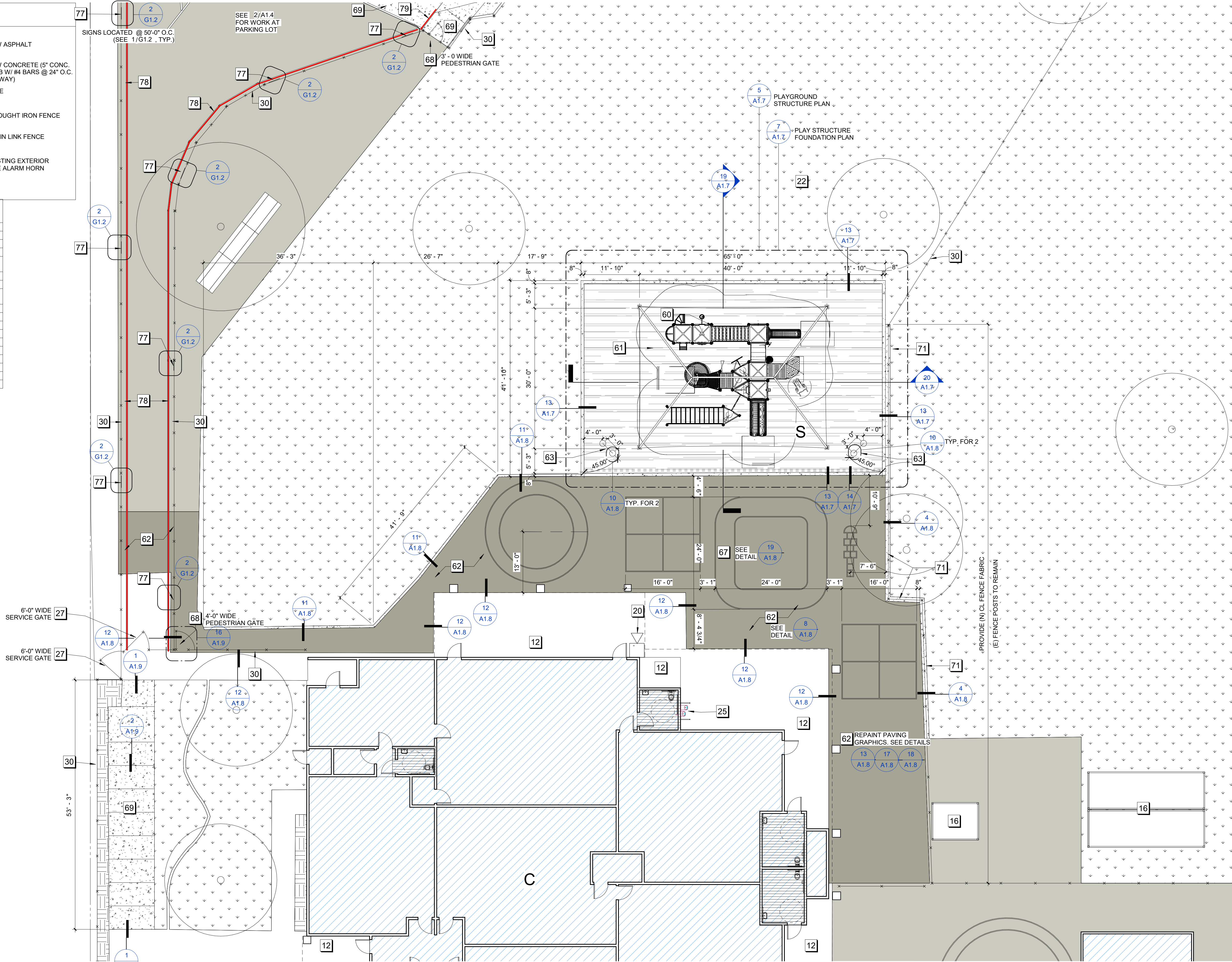
**A1.4**

### NEW SITE LEGEND

	EXISTING BUILDINGS		NEW ASPHALT
	EXISTING TURF / GREEN AREA		NEW CONCRETE (5" CONC. SLAB W/ #4 BARS @ 24" O.C. EA. WAY)
	EXISTING SOIL / EARTH		TREE
	EXISTING ASPHALT		WROUGHT IRON FENCE
	EXISTING CONCRETE		CHAIN LINK FENCE
	NEW FALL PROTECTION TILE		EXISTING EXTERIOR FIRE ALARM HORN
	ACCESSIBLE RESTROOM PER DSA #02-110513		

### CONSTRUCTION NOTES - A1.5

- 12 (E) COVERED WALKS
- 16 (E) STORAGE CONTAINERS
- 20 (E) EXTERIOR FIRE HORN
- 22 (E) PLAY FIELD
- 25 (E) ACCESSIBLE DRINKING FOUNTAIN PER DSA# 02-110513
- 27 (E) SINGLE GATE
- 30 (E) 6'-0" HIGH CHAINLINK FENCE
- 60 (N) PLAYGROUND STRUCTURE W/ FALL PROTECTION AND SHADE STRUCTURE
- 61 (N) CONCRETE CURB
- 62 (N) ASPHALT
- 63 (N) ROCKIN' DRUMS PLAY EVENT
- 67 (N) TRIKE PATH
- 68 (N) SINGLE GATE
- 69 (N) CONCRETE WALKWAY
- 71 (N) MOW STRIP AT (E) FENCE
- 77 (N) FIRE LANE NO PARKING SIGN AT (E) CL FENCE
- 78 (N) 4" WIDE RED PAINTED STRIPE AT FIRE LANE
- 79 PAINT CURB RED AT FIRE ACCESS LANE



1 ENLARGED SITE PLAN - PROPOSED AREA OF WORK  
1" = 10'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024

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

© 2024 ARCHITECHNICA



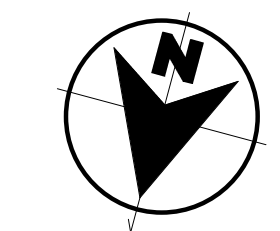
KING ES LCAP PRE-K  
PLAYGROUND  
PROJECT  
2640 LAFAYETTE STREET  
STOCKTON, CA 95205  
STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

SITE PLAN -  
PROPOSED AREA  
OF WORK

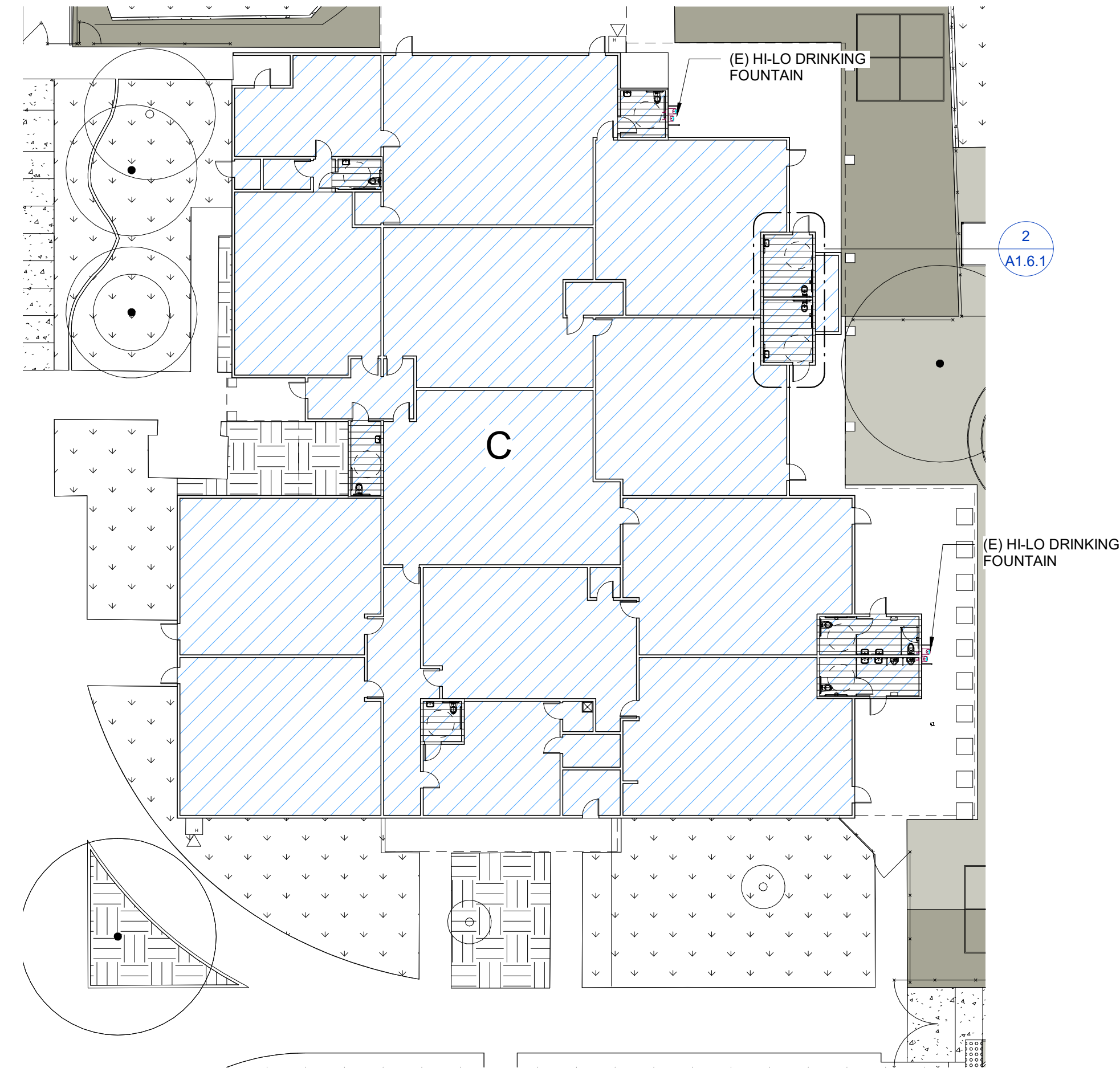
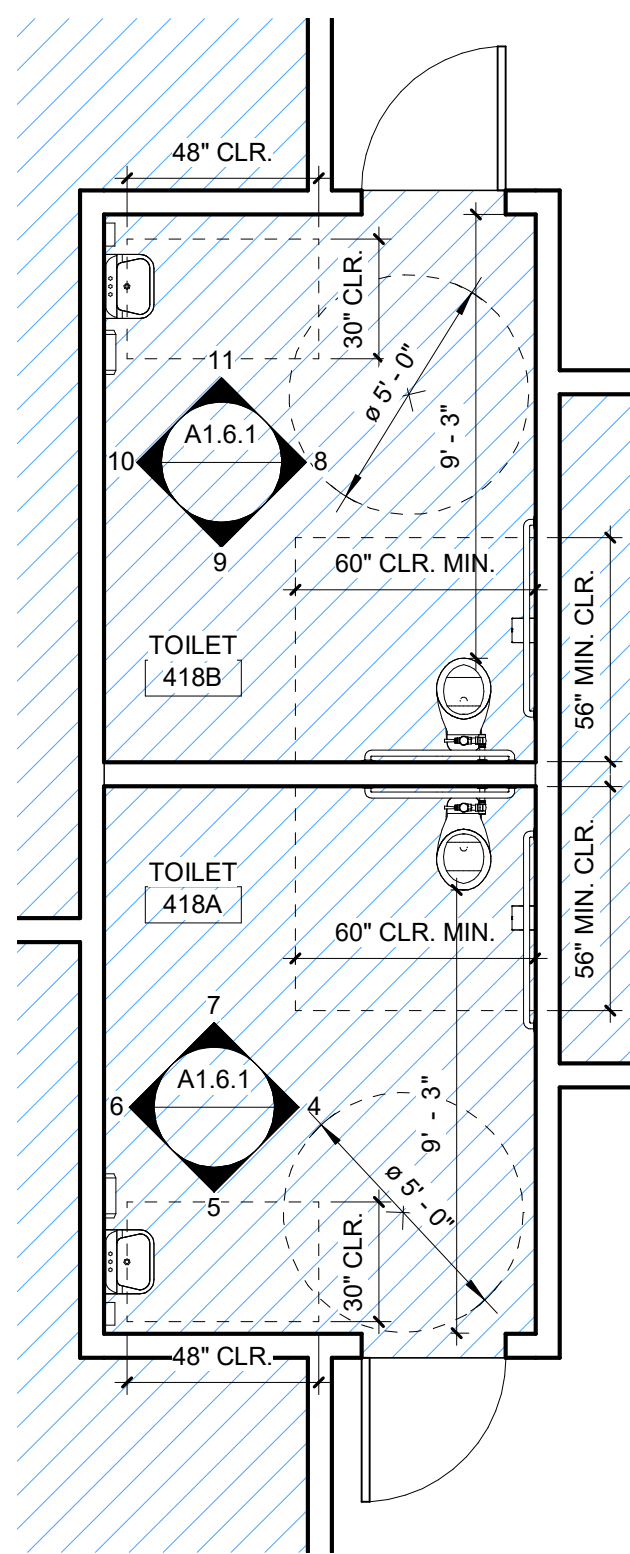
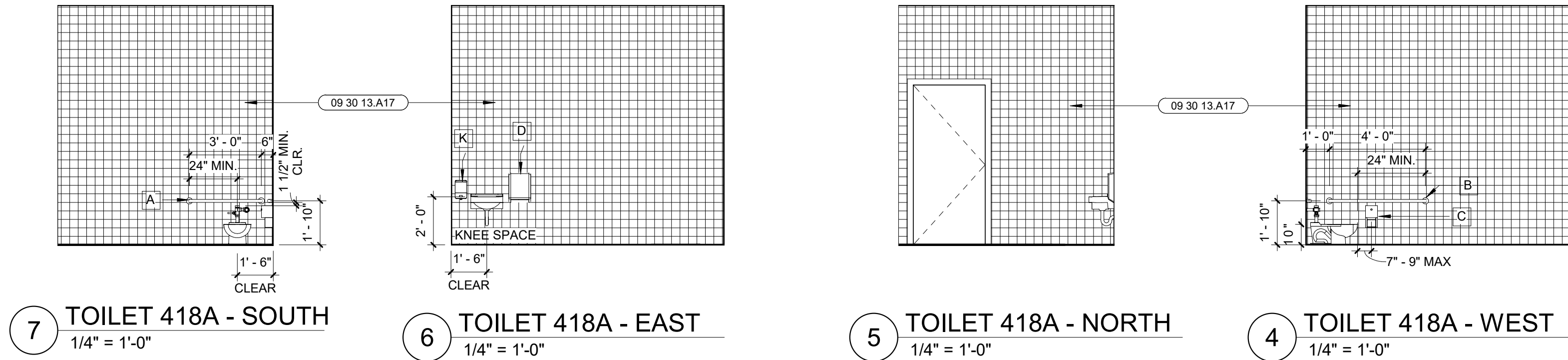
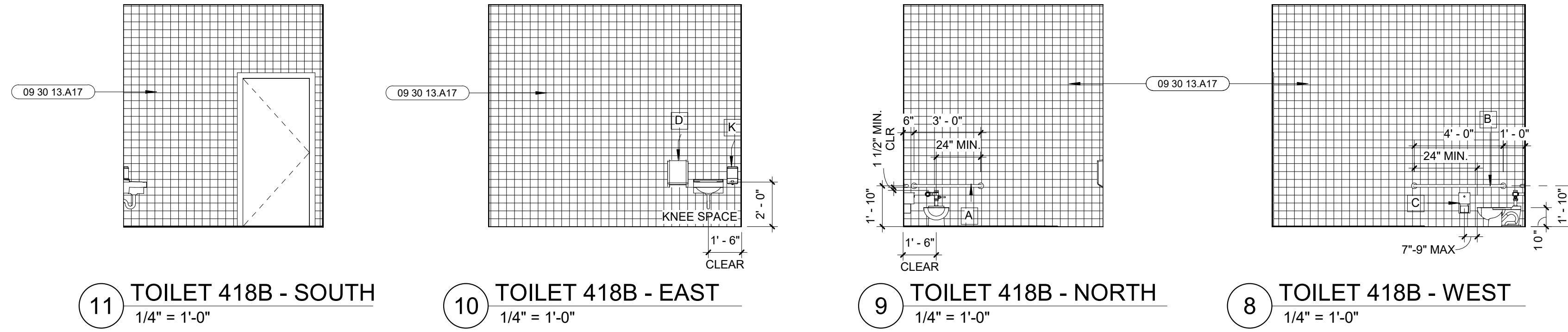
A1.5



TOILET ROOM ACCESSORIES SCHEDULE PER DSA #02-110513	
MARK	ITEM
A	36" GRAB BAR
B	48" GRAB BAR
C	TOILET PAPER DISPENSER
D	PAPER TOWEL DISPENSER
J	MIRROR
K	SOAP DISPENSER
L	TOILET SEAT COVER DISPENSER

NEW SITE LEGEND			
	EXISTING BUILDINGS		NEW ASPHALT
	EXISTING TURF / GREEN AREA		NEW CONCRETE (5" CONC. SLAB W/ #4 BARS @ 24" O.C. EA. WAY)
	EXISTING SOIL / EARTH		TREE
	EXISTING ASPHALT		WROUGHT IRON FENCE
	EXISTING CONCRETE		CHAIN LINK FENCE
	NEW FALL PROTECTION TILE		EXISTING EXTERIOR FIRE ALARM HORN
	ACCESSIBLE RESTROOM PER DSA #02-110513		

KEYNOTE LEGEND
09 30 13.A17 CERAMIC TILE WALL FINISH W/ CERAMIC TILE BASE



NOTE: EXISTING RESTROOM PLANS PER DSA# 02-110513

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024



ARCHITECHNICA

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



© 2024 ARCHITECHNICA

CONSULTANT



KING ES LCAP PRE-K  
PLAYGROUND  
PROJECT

2640 LAFAYETTE STREET  
STOCKTON, CA 95205

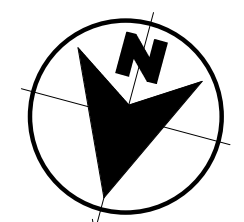
STOCKTON UNIFIED  
SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

EXISTING  
ACCESSIBLE  
RESTROOMS  
SERVING PROJECT

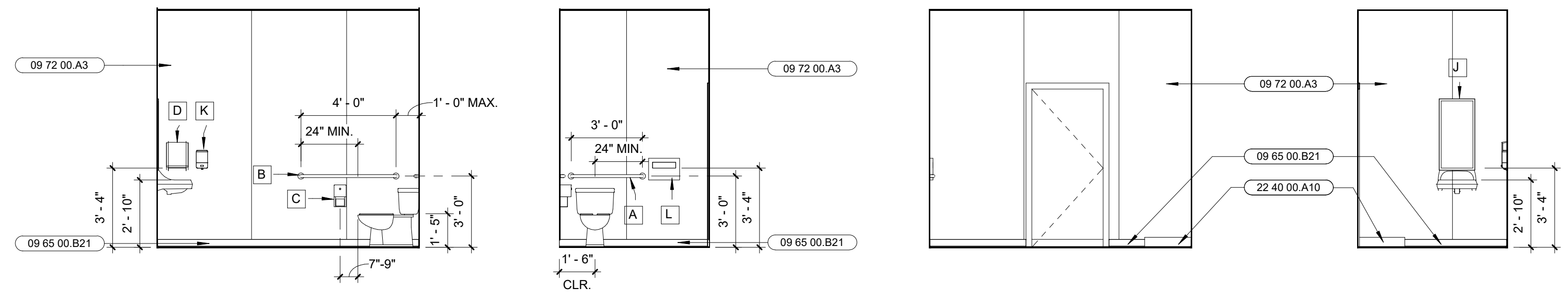
A1.6.1



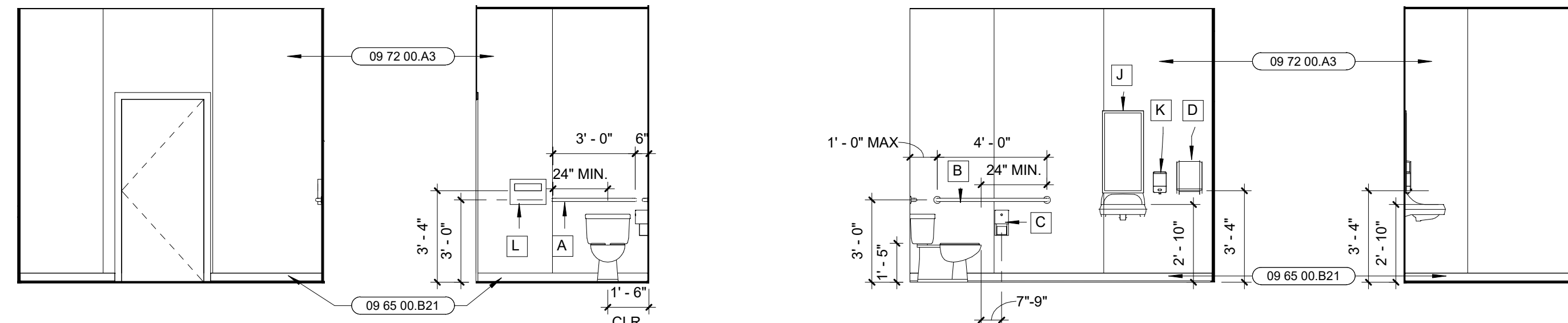
TOILET ROOM ACCESSORIES SCHEDULE PER DSA #02-110513	
MARK	ITEM
A	36" GRAB BAR
B	48" GRAB BAR
C	TOILET PAPER DISPENSER
D	PAPER TOWEL DISPENSER
J	MIRROR
K	SOAP DISPENSER
L	TOILET SEAT COVER DISPENSER

NEW SITE LEGEND			
	EXISTING BUILDINGS		NEW ASPHALT
	EXISTING TURF / GREEN AREA		NEW CONCRETE (5" CONC. SLAB W/ #4 BARS @ 24" O.C. EA. WAY)
	EXISTING SOIL / EARTH		TREE
	EXISTING ASPHALT		WROUGHT IRON FENCE
	EXISTING CONCRETE		CHAIN LINK FENCE
	NEW FALL PROTECTION TILE		EXISTING EXTERIOR FIRE ALARM HORN
	ACCESSIBLE RESTROOM PER DSA #02-110513		

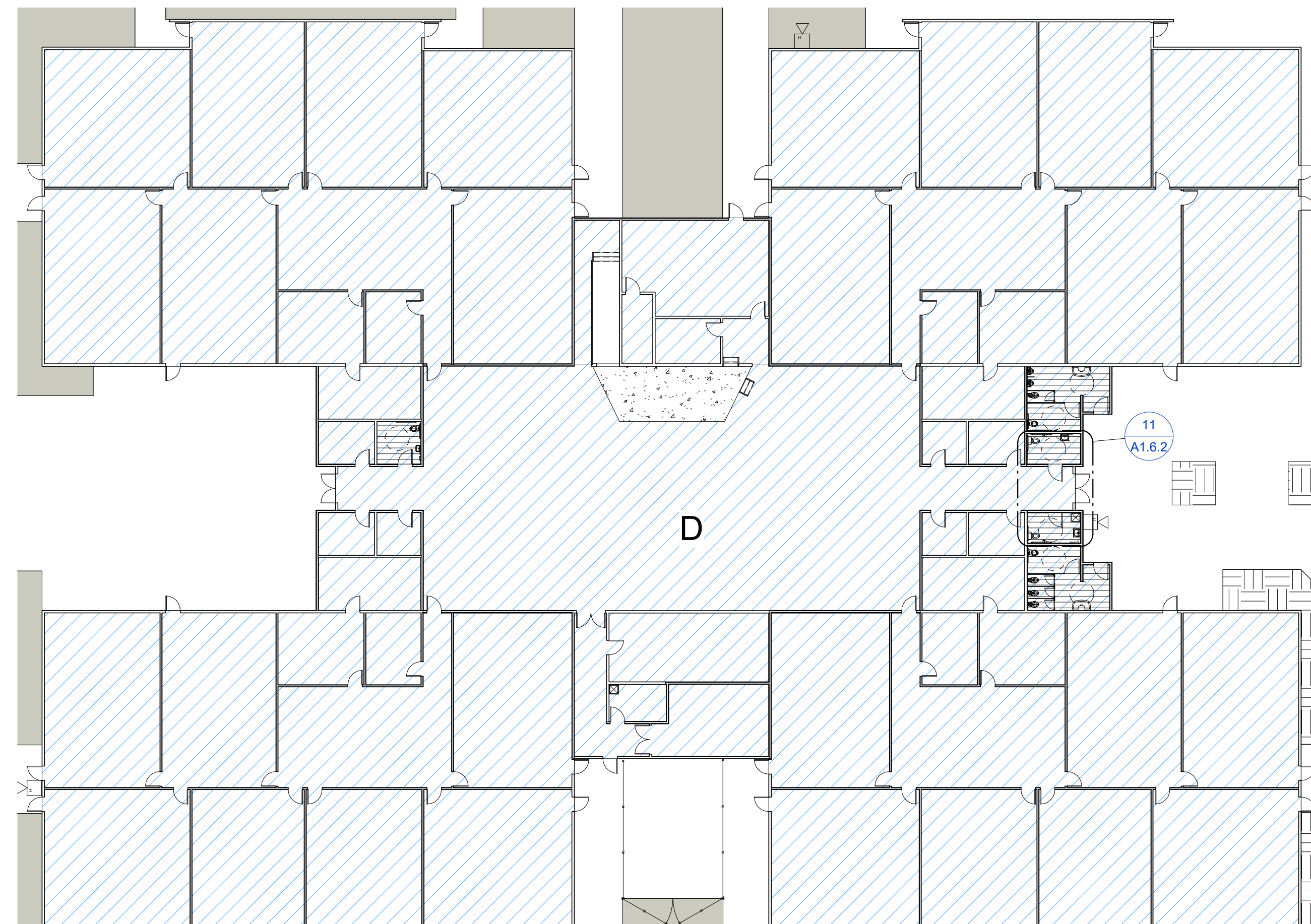
KEYNOTE LEGEND	
09 65 00.B21	4" COVE BASE
09 72 00.A3	FIBERGLASS REINFORCED PANEL (FRP)
22 40 00.A10	MOP SINK AND TRIM



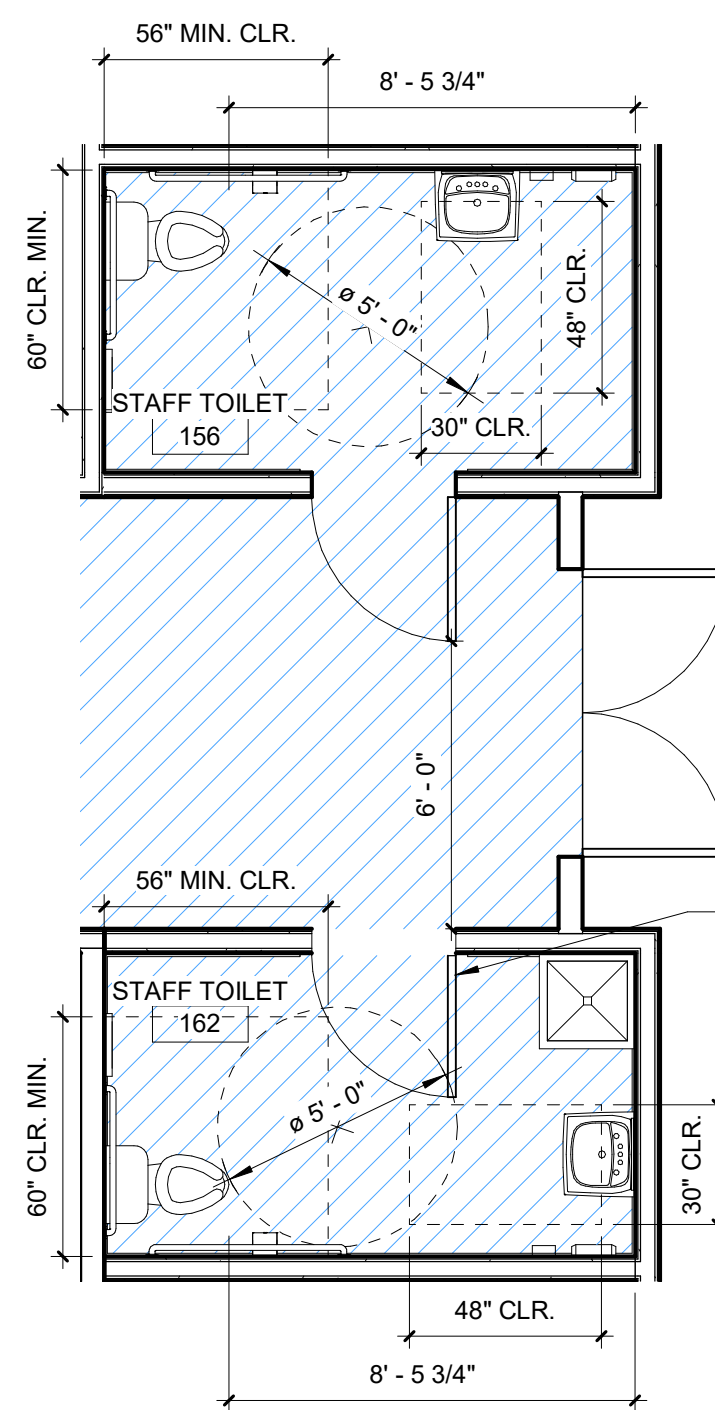
7 STAFF 162 - NORTH 1/4" = 1'-0"  
 8 STAFF 162 - EAST 1/4" = 1'-0"  
 9 STAFF 162 - SOUTH 1/4" = 1'-0"  
 10 STAFF 162 - WEST 1/4" = 1'-0"



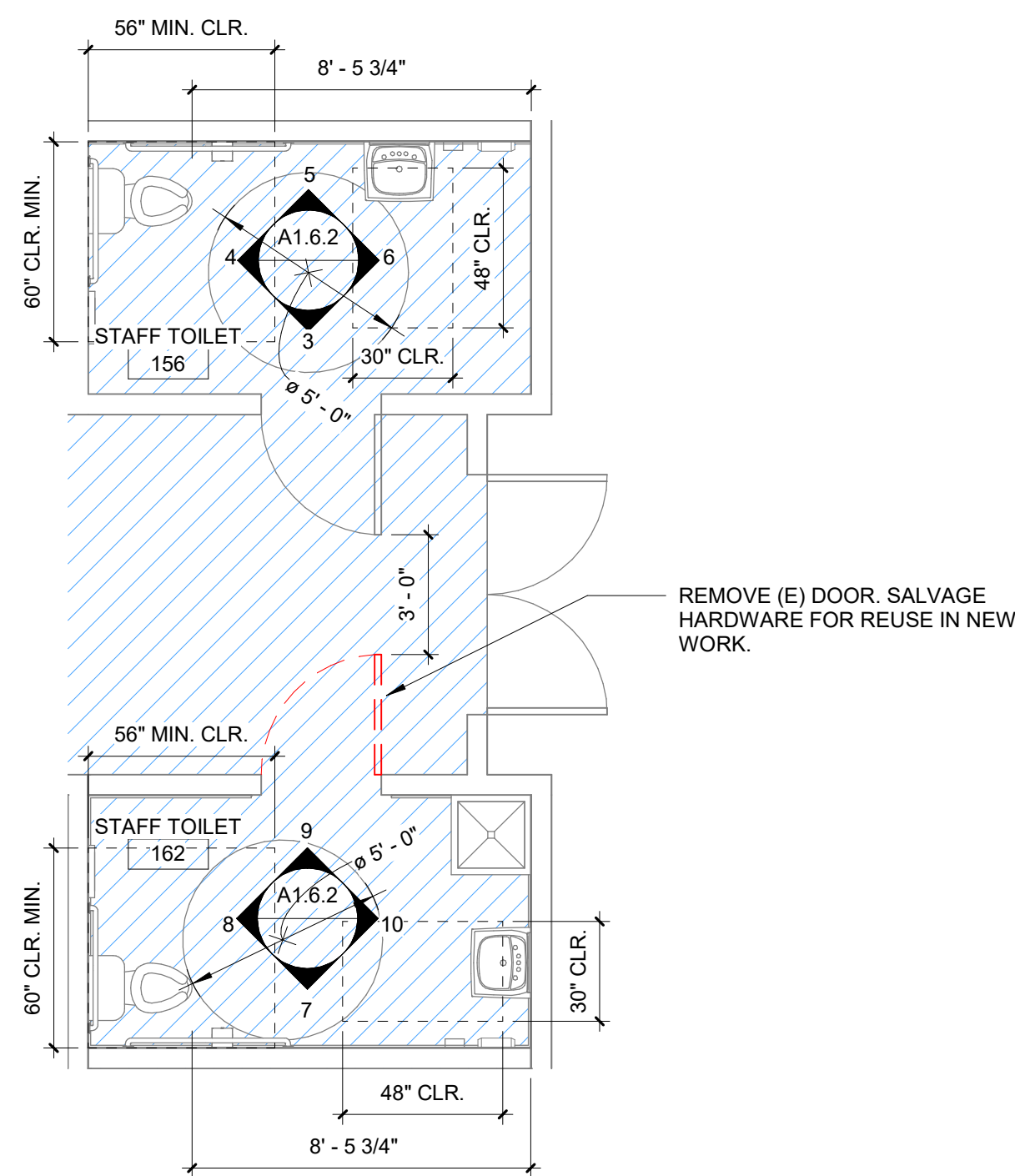
3 STAFF 156 - NORTH 1/4" = 1'-0"  
 4 STAFF 156 - EAST 1/4" = 1'-0"  
 5 STAFF 156 - SOUTH 1/4" = 1'-0"  
 6 STAFF 156 - WEST 1/4" = 1'-0"



1 EXISTING BUILDING 'D' - MAIN CLASSROOM BUILDING PLAN  
 1" = 20'-0"

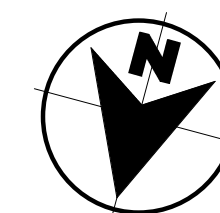


11 NEW ACCESSIBLE RR PLANS (STAFF)  
 1/4" = 1'-0"

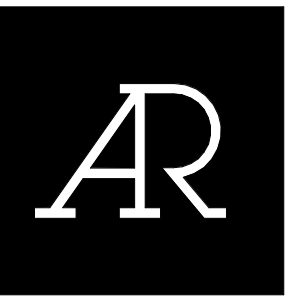


2 EXISTING ACCESSIBLE RR PLANS (STAFF)  
 1/4" = 1'-0"

NOTE: EXISTING RESTROOM PLANS PER DSA# 02-110513



IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122384 INC:  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 04/29/2024



ARCHITECTURICA

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



© 2024 ARCHITECTURICA

CONSULTANT



KING ES LCAP PRE-K  
 PLAYGROUND  
 PROJECT

2640 LAFAYETTE STREET  
 STOCKTON, CA 95205

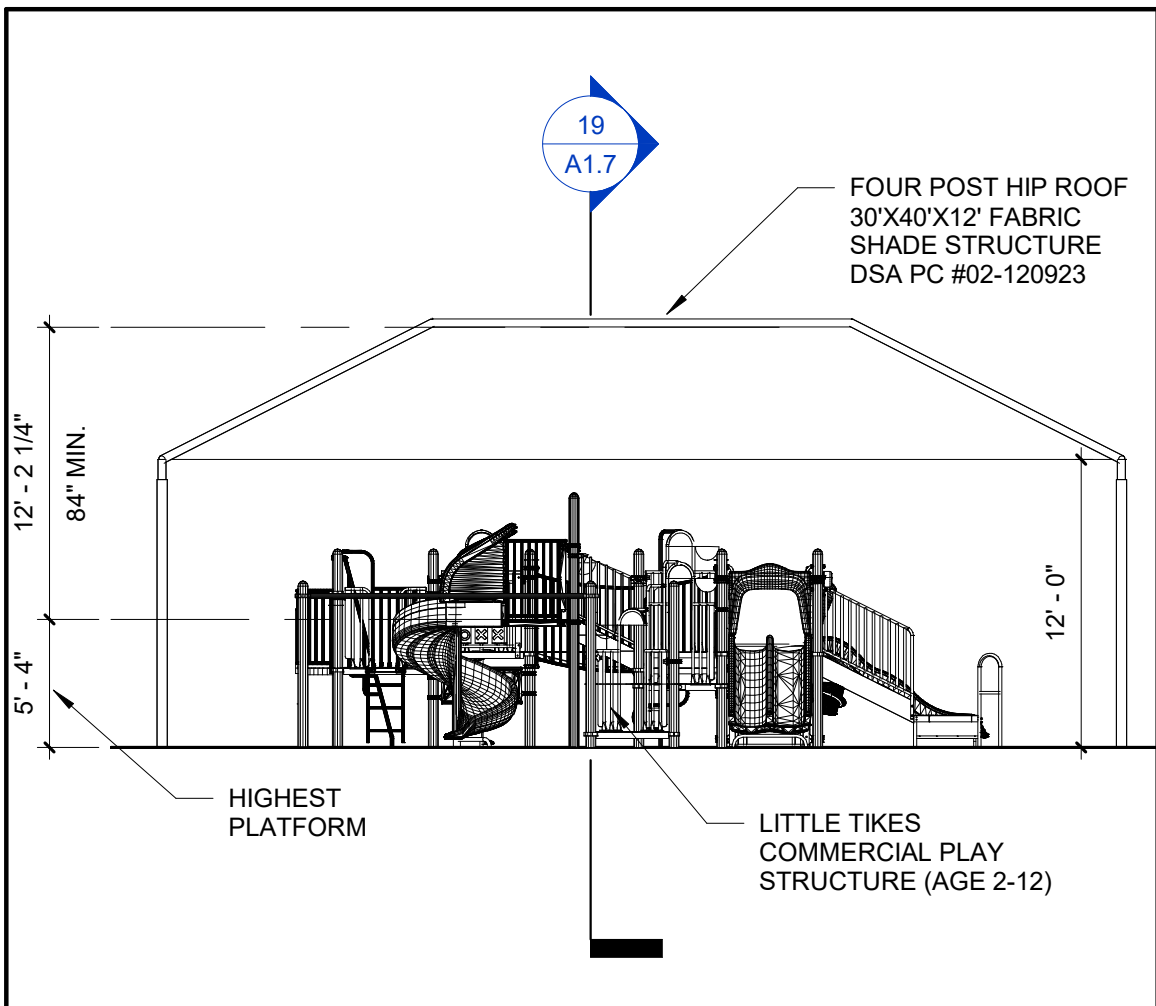
STOCKTON UNIFIED  
 SCHOOL DISTRICT

REVISIONS	

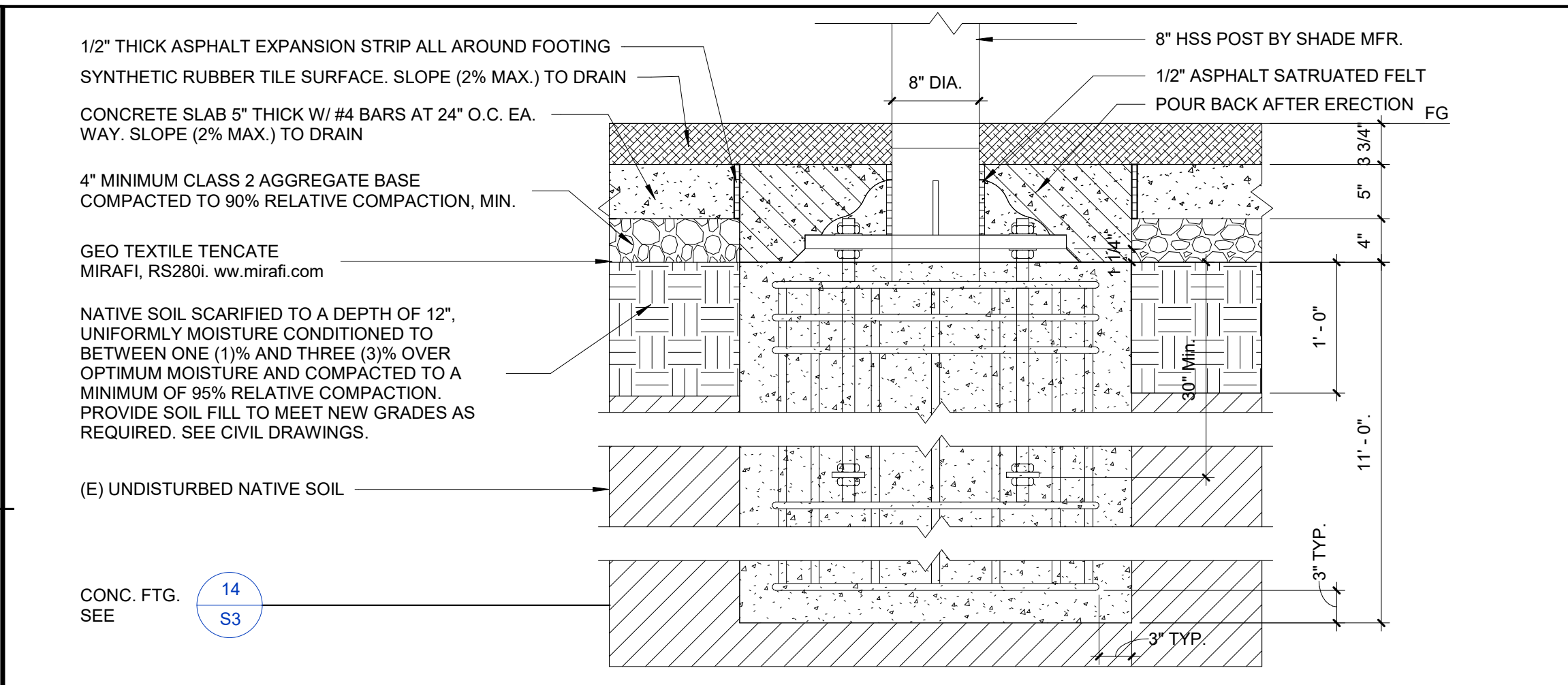
PROJECT NO: 2023-16  
 ISSUE SET: DESIGN DEV.  
 ISSUE DATE: 04/16/2024  
 DRAWN BY: HD

EXISTING  
 ACCESSIBLE  
 RESTROOMS  
 SERVING PROJECT

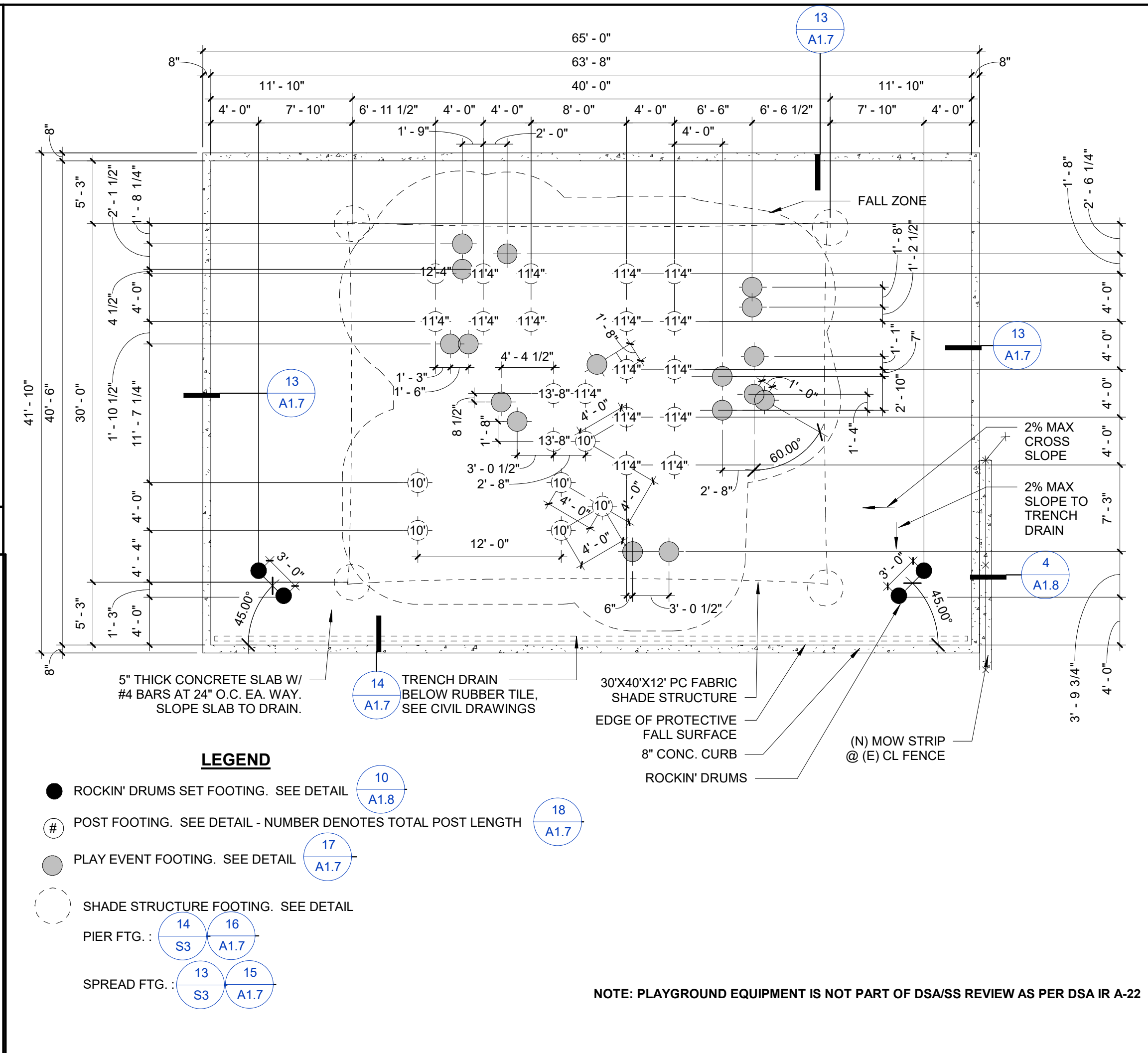
A1.6.2



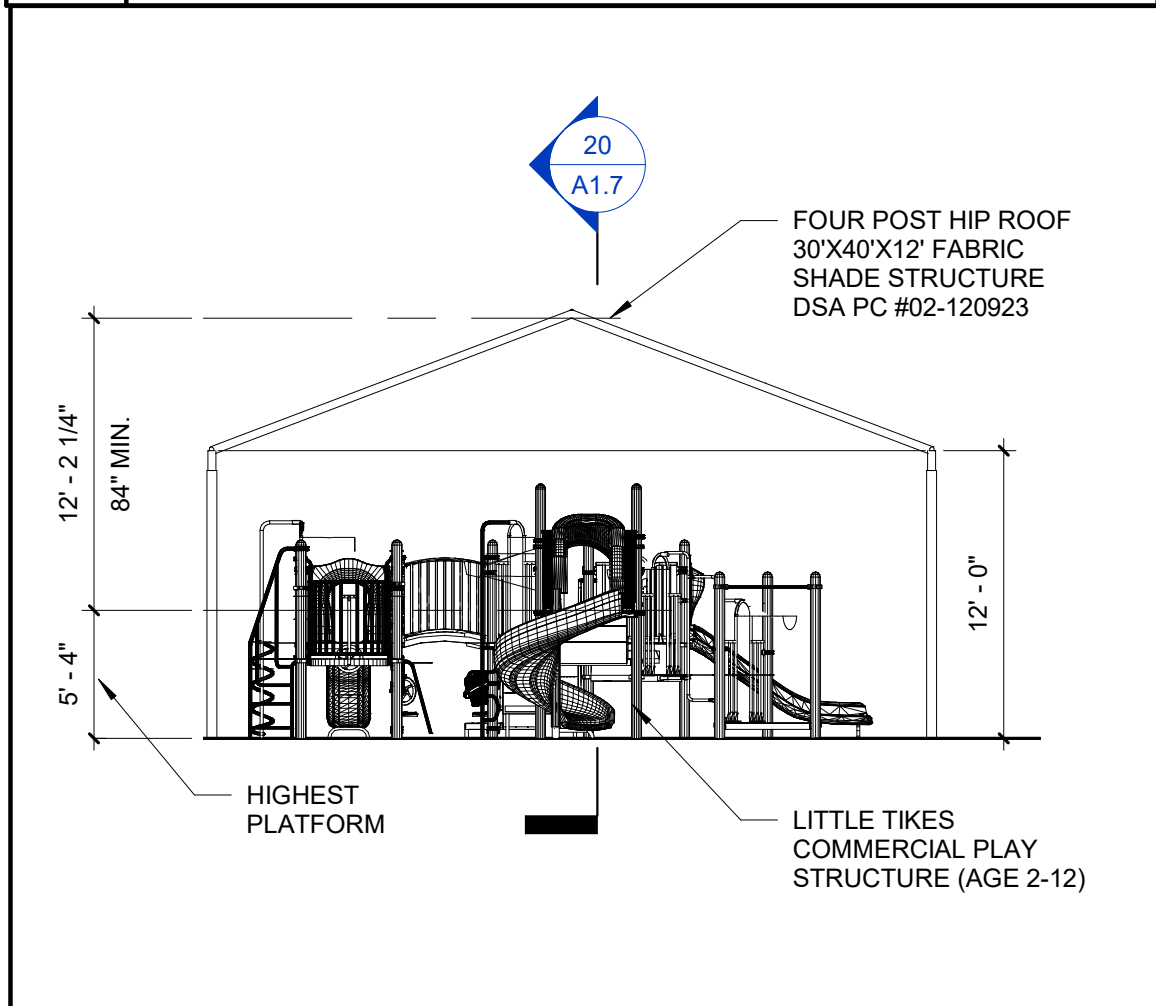
**19 PLAY STRUCTURE SECTION (LONG)**  
SCALE: 1/8" = 1'-0"



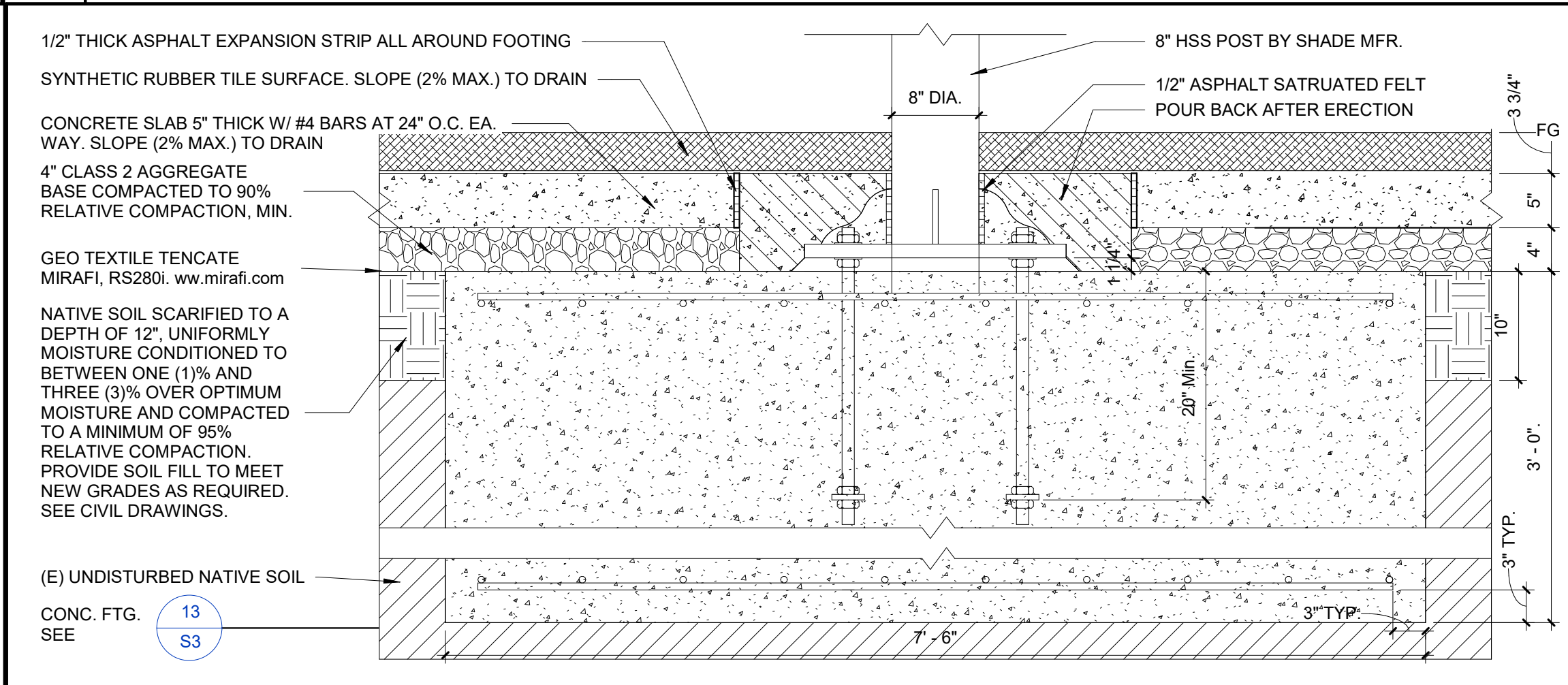
**16 SHADE STRUCTURE PIER FOOTING OPTION DETAIL**  
SCALE: 1" = 1'-0" FILENAME: 32\_16\_62



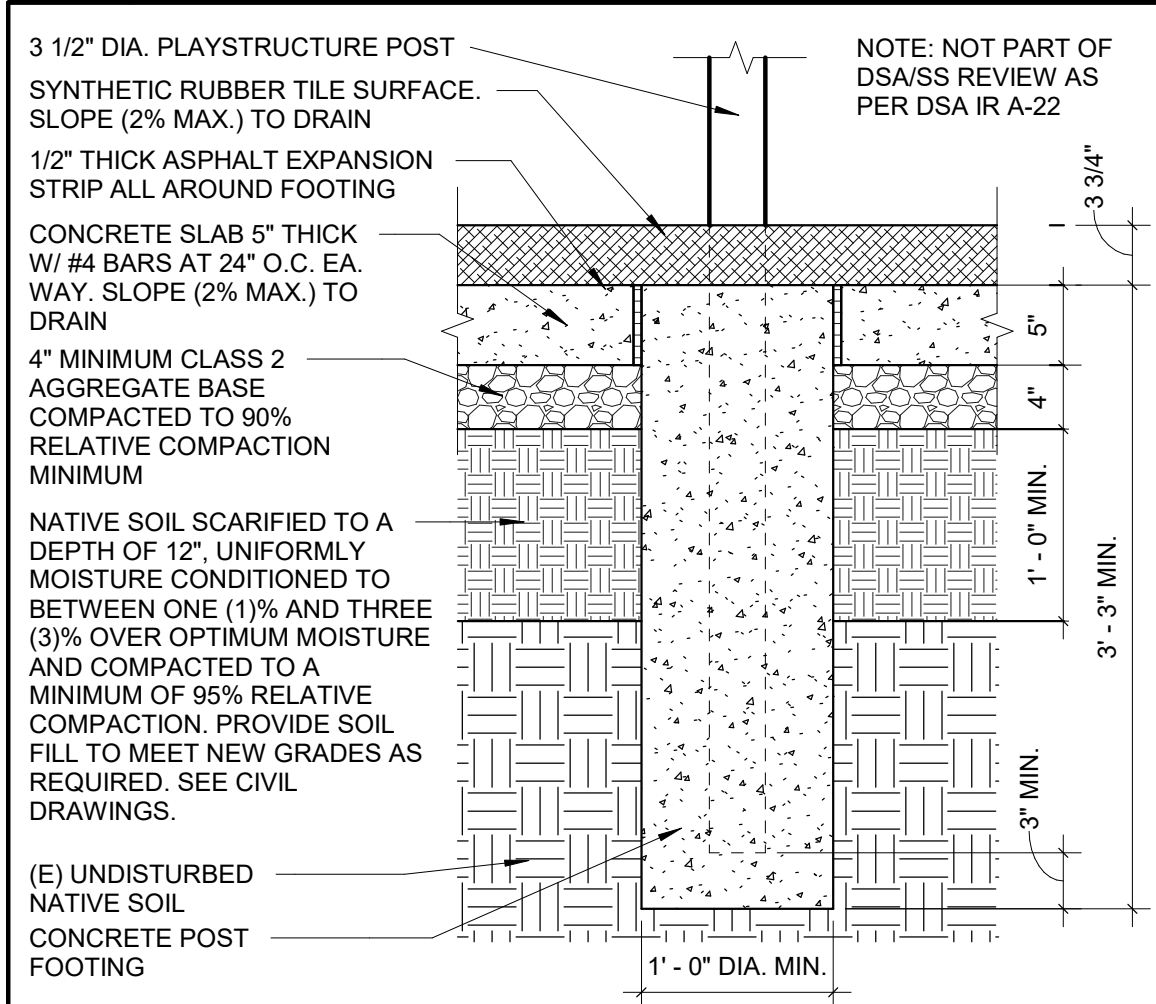
**7 PLAY STRUCTURE FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"



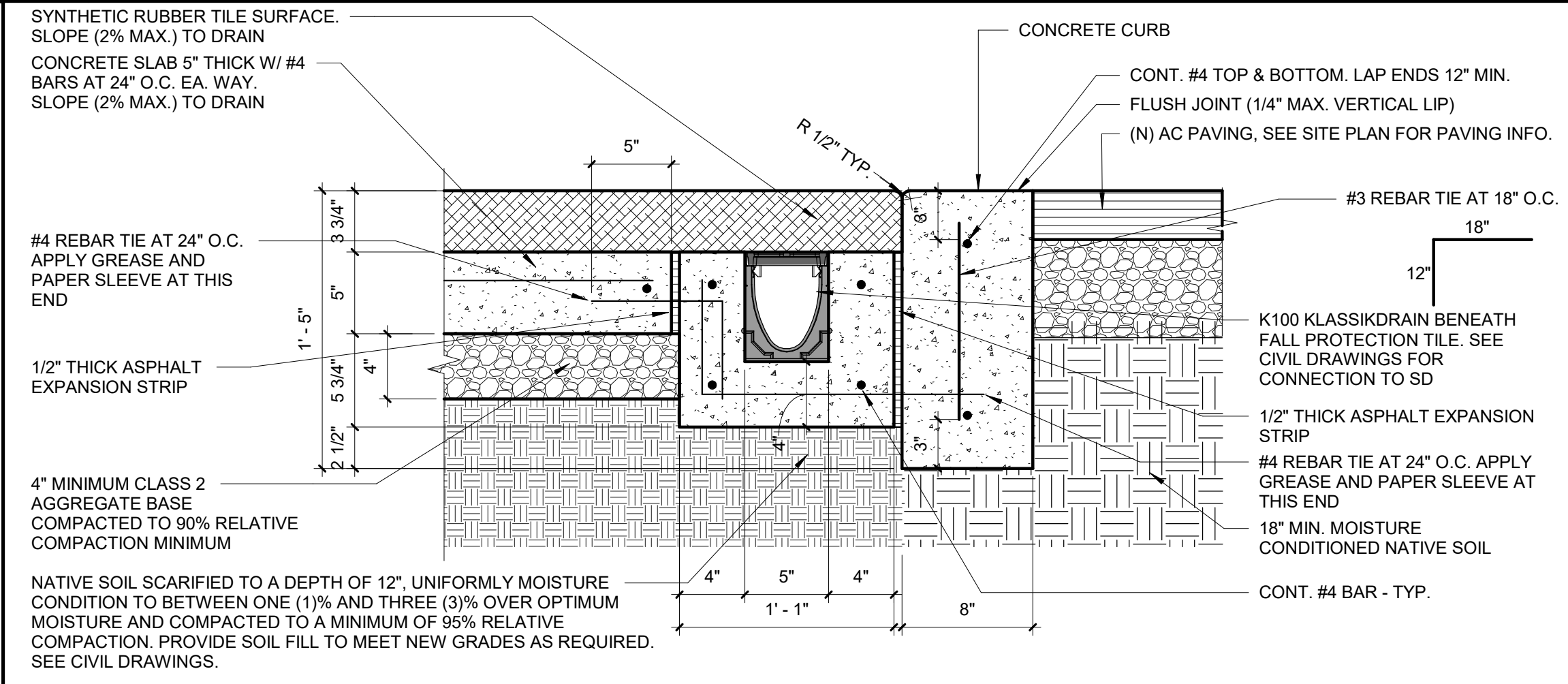
**20 PLAY STRUCTURE SECTION (SHORT)**  
SCALE: 1/8" = 1'-0"



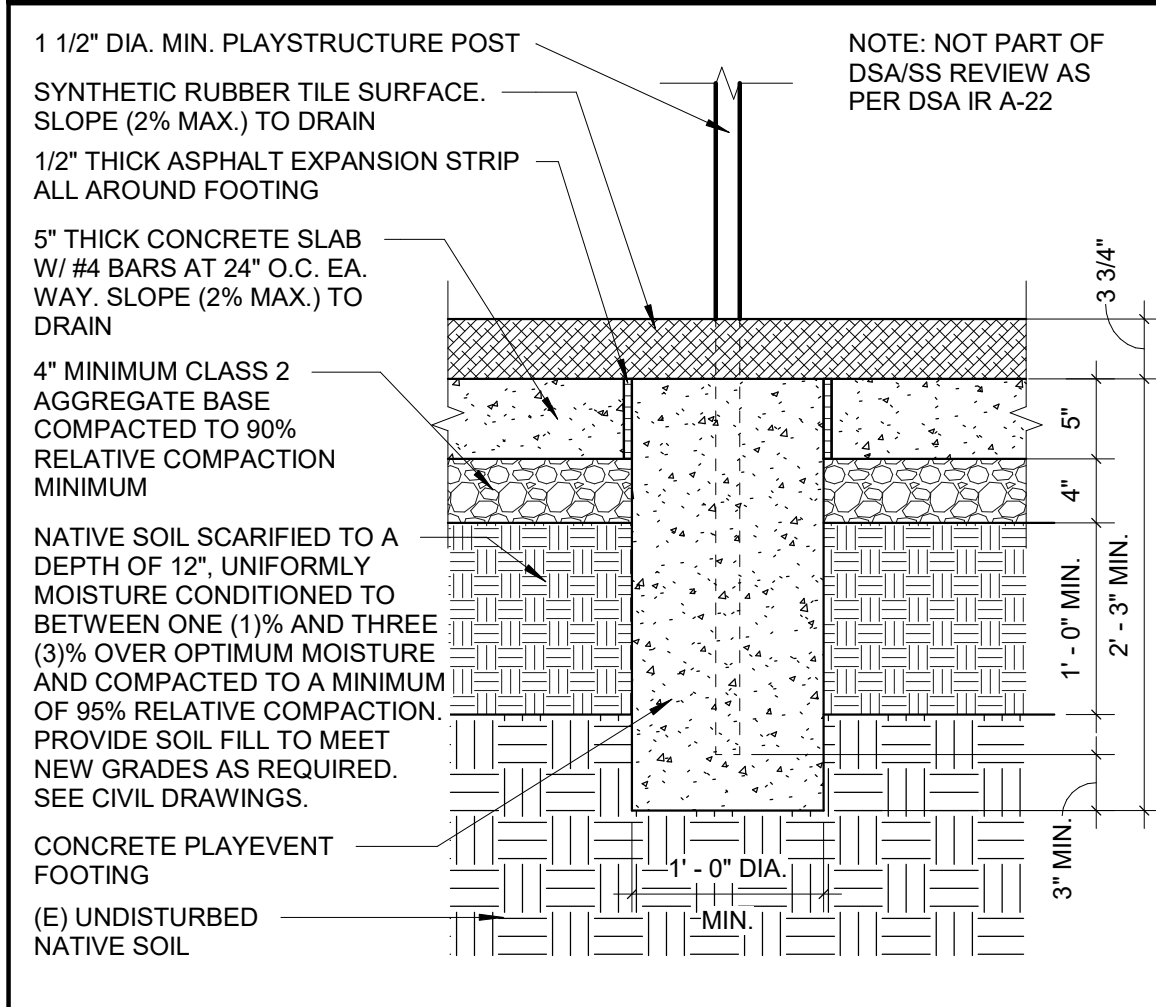
**15 SHADE STRUCTURE SPREAD FOOTING OPTION DETAIL**  
SCALE: 1" = 1'-0" FILENAME: 32\_16\_62



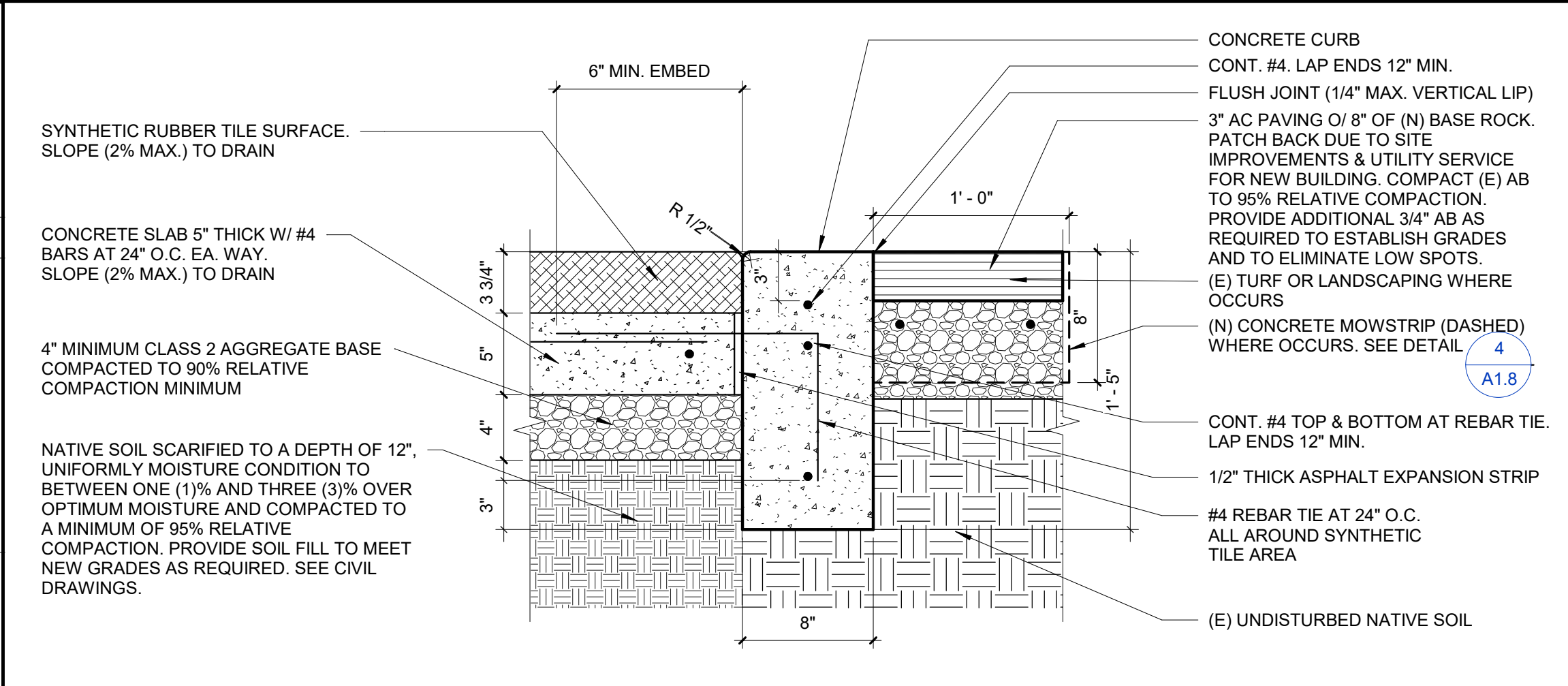
**18 PLAY STRUCTURE POST FOOTING**  
SCALE: 1" = 1'-0" FILENAME: 32\_16\_60



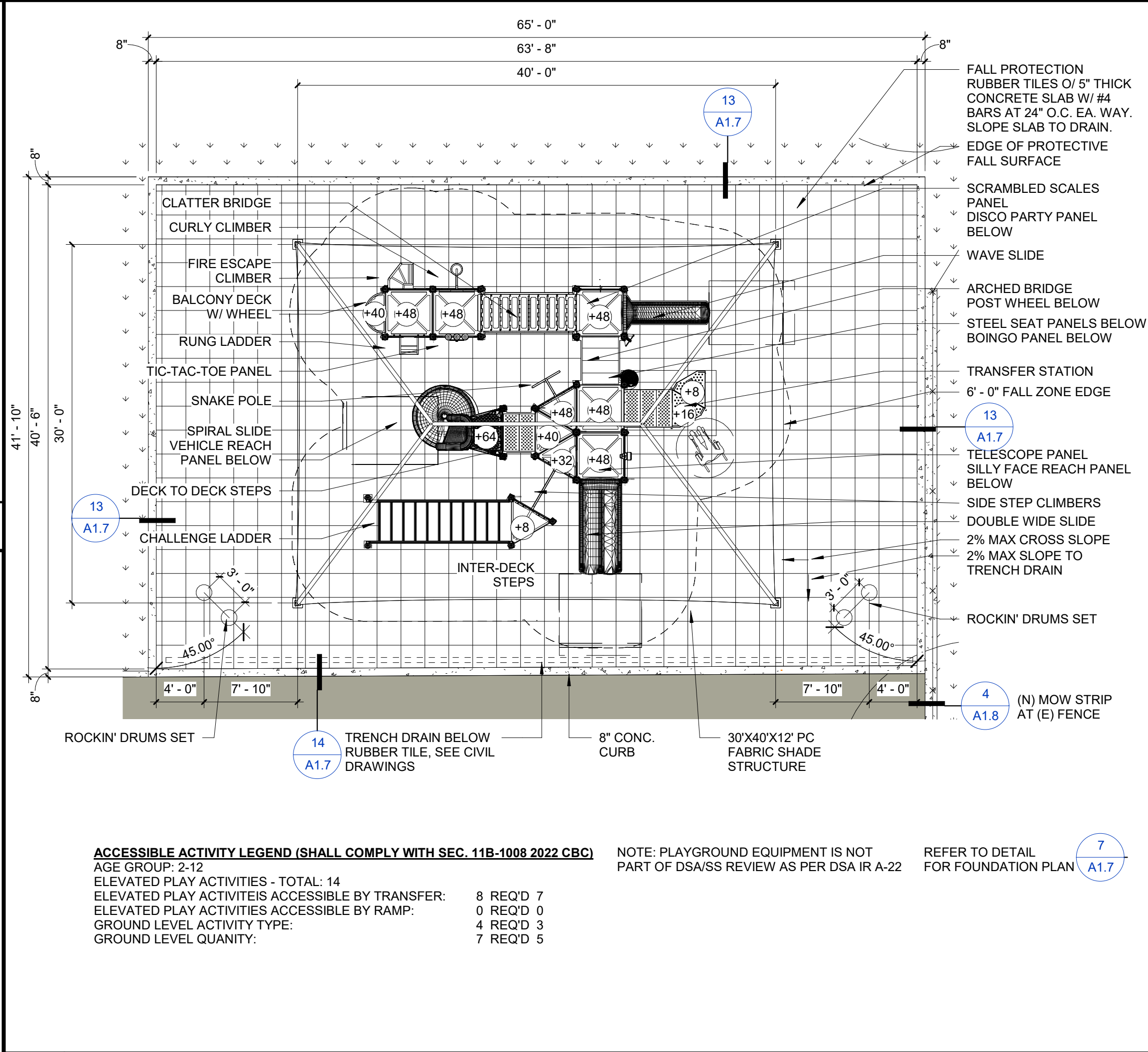
**14 CONCRETE CURB AT PLAY STRUCTURE TRENCH DRAIN**  
SCALE: 1 1/2" = 1'-0" FILENAME: 32\_16\_63



**17 PLAY STRUCTURE PLAY EVENT FOOTING**  
SCALE: 1" = 1'-0" FILENAME: 32\_16\_60



**13 CONCRETE CURB AT PLAY STRUCTURE AT AC PAVING**  
SCALE: 1 1/2" = 1'-0" FILENAME: 32\_16\_63



**5 PLAYGROUND STRUCTURE PLAN**  
SCALE: 1/8" = 1'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024

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

LICENSED ARCHITECT  
C-25928  
RENEWAL 12 / 2025  
STATE OF CALIFORNIA  
© 2024 ARCHITECHNICA

CONSULTANT

**M L KING JR**  
Elementary School

**KING ES LCAP PRE-K PLAYGROUND PROJECT**  
2640 LAFAYETTE STREET  
STOCKTON, CA 95205  
STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO: 2023-16  
ISSUE SET: DESIGN DEV.  
ISSUE DATE: 04/16/2024  
DRAWN BY: HD

**SITE DETAILS**

**A1.7**







**General Notes:**

**Age Group**

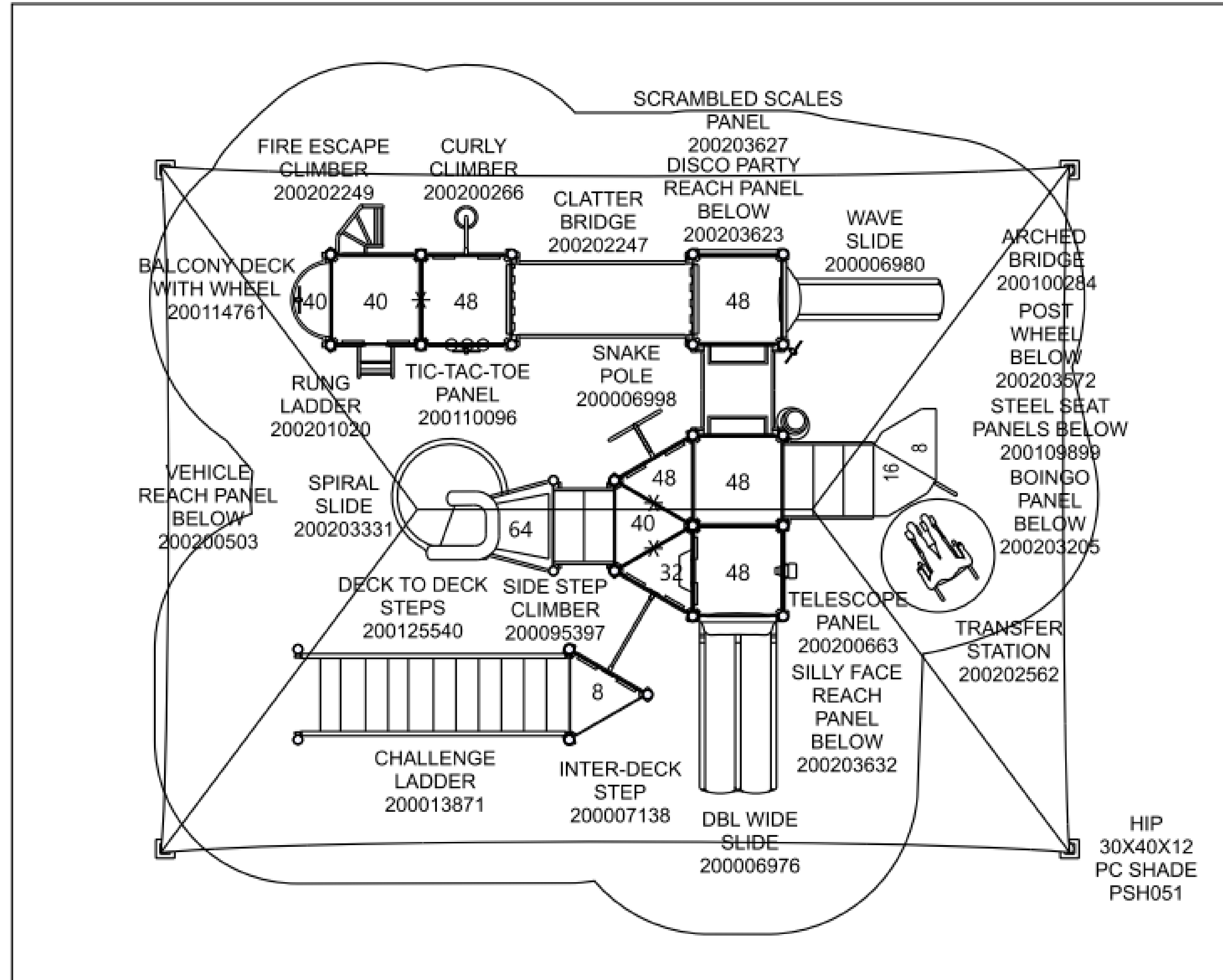
2-5yrs  5-12 yrs  2-12yrs  13+ yrs

- The Americans with Disabilities Act (ADA) may require that you make your park and/or playground accessible when viewed in its entirety. Please consult your legal counsel to determine if the ADA applies to you.
- For playground equipment to be considered accessible, accessible surfacing must be utilized in applicable areas.
- Although a particular playground design may not meet the proposed Access Board Regulations in regards to the appropriate number of ground level events, the actual playground may be in compliance when considering existing play components.
- All deck heights are measured from top of ground cover.
- Fall absorbing ground cover is required under and around all play equipment.
- The minimum recommended fall zone around the entire playstructure is shown. This zone is to be free of all tripping or collision hazards (i.e. roots, rocks, border materials, etc.).
- All post lengths are identified by text showing the post lengths. i.e. 96 represents a 96 inch post.
- Not all equipment may be appropriate for all children. Supervision is required.

AGE GROUP:	2-12
ELEVATED PLAY ACTIVITIES - TOTAL:	14
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:	8 RECD: 7
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:	0 RECD: 0
GROUND LEVEL ACTIVITY TYPE:	4 RECD: 3
GROUND LEVEL QUANTITY:	7 RECD: 5

Accommodates 100-105 Children

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



**Project:**  
 King ES 2-12 Playground  
 Stockton, CA  
**LTCPS rep:**  
 Glen Wurster  
 All About Play  
 (916) 923-2180

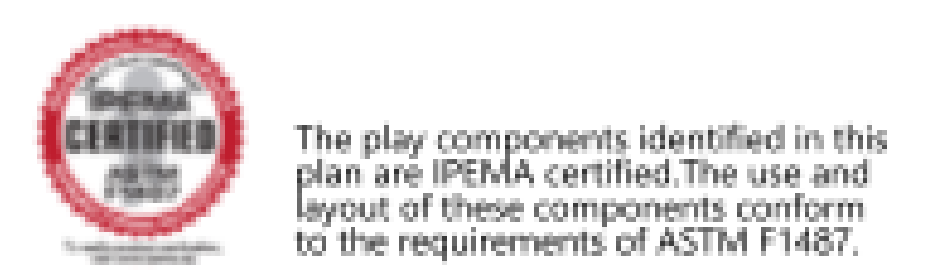
**Ground Space:** 41'-0" x 31'-0"  
**Protective Area:** 42'-0" x 38'-6"

**Drawn by:** Glen Wurster  
**Date:** 12/4/2023  
**DWG Name:** R0317\_45263889578

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

**Playground Layout Compliance:**

- ASTM F1487 - Playground Equipment for Public Use.
- CPSC Handbook for Public Playground Safety
- This playground design meets the final Access Board Regulations.



LEED points for this structure  
**2**

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122384 INC:  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 04/29/2024

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



© 2024 ARCHITECHNICA



**KING ES LCAP PRE-K PLAYGROUND PROJECT**  
 2640 LAFAYETTE STREET  
 STOCKTON, CA 95205  
 STOCKTON UNIFIED SCHOOL DISTRICT

REVISIONS	

PROJECT NO: 2023-16  
 ISSUE SET: DESIGN DEV.  
 ISSUE DATE: 04/16/2024  
 DRAWN BY: Author

**PLAYGROUND LAYOUT COMPLIANCE**

**P1**

**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	SO	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**

- VERTICAL LOADS
  - CANOPY LIVE LOAD = 5 psf (NON-REDUCIBLE)
  - CANVAS DEAD LOAD = 0.069 psf
  - SUPERIMPOSED LOAD = 0.5 psf (TEMPORARY LOAD)
  - LIVE LOAD = 5 psf
  - GROUND SNOW LOAD = 0 psf
- LATERAL LOADS
  - WIND (ASCE/SEI 7-16 DIRECTIONAL PROCEDURE)
    - ULTIMATE DESIGN WIND SPEED:  $V_{ULT} = 110$  mph
    - NOMINAL DESIGN WIND SPEED:  $V_{SD} = 85$  mph
    - EXPOSURE CATEGORY = "C"
    - RISK CATEGORY = II
    - CLASSIFICATION: OPEN STRUCTURE (CLEAR WIND FLOW),  $K_{zt} = 1.0$
    - WIND VELOCITY PRESSURE:  $q_h = 0.00256 K_z K_{zt} K_d V^2 = 22.38$  psf
    - NOTE: WIND IS BASED ON OPEN STRUCTURE WITH CLEAR WIND FLOW
  - 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  $S_{M1}$  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,  $F_a = 1.2$ ,  $F_v = 1.7$ ,  $S_{D5} = 2.0$ ,  $S_{D1} = 0.850$
    - REDUNDANCY FACTOR: FOR HIP STYLE  $\rho = 1.0$ , FOR UMBRELLA STYLE  $\rho = 1.3$
    - IMPORTANCE FACTOR:  $I_e = 1.0$
    - OVERSTRENGTH FACTOR:  $\Omega_p = 1.25$
    - 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
- ULTIMATE REACTION LOADS (MAX. LOADS)
  - 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)
  - 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)
      - 19.88 k-ft (MAX. MOMENT)
- PIER FRICTION RESISTANCE
  - PIER FRICTION COEFFICIENT:  $\mu = 0.3$
  - MAXIMUM PIER FRICTION RESISTANCE:  $f = 28$  k
- MINIMUM CLEARANCES
  - 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).
  - THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.

**GENERAL NOTES**

- MATERIAL SPECIFICATIONS
  - 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. ALL ALLOWABLE PIER FRICTIONAL UPLIFT CAPACITY = 250 PSF. 1/3 INCREASE FOR SHORT TERM LOADS IS NOT ALLOWED.
    - 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.
    - REINFORCING STEEL: ASTM A615, GRADE 60, EXCEPT STIRRUPS AND TIES SHALL BE GRADE 40.
    - PLATE STEEL: ASTM A36,  $F_y = 36$ ksi
    - SCHEDULE PIPE: ASTM A500 GRADE B&C,  $F_y = 46$  ksi
    - STRUCTURAL TUBES: ASTM A500 GRADE B,  $\phi \leq 3"$ ,  $F_y = 50$  ksi,  $\phi \geq 3"$ , 46 ksi. CORROSION PROTECTION SHALL BE TRIPLE COATED FLO-COAT® HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A 1057/A1057M.
    - MACHINED BOLTS: ASTM F593C/304 OR F593D/304 (LOCK NUTS ARE REQUIRED).
    - LOCK NUTS: ASTM F594; ASME B18.16.6
    - SELF-TAP SCREWS: AISI 410 SS
    - ANCHOR BOLTS: ASTM F1554 GRADE 36 MINIMUM
    - ANCHOR NUTS: ASTM A633
    - CABLE STEEL: 7x19 OR 8x36 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  $F_u = 16.3k$ .
    - 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. PRE TENSION FORCE ON 1/4"Ø = 0.10k, ON 5/16"Ø = 0.15k, ON 3/8"Ø = 0.20k, ON 7/16"Ø = 0.25k.
    - MAX. PRE TENSION 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.
    - WELDING ELECTRODES SHALL BE GMAW/ SEMI-AUTOMATIC, GRADE ER70S-6 PER AWS A-5.18
    - GROUT: NON-SHRINK, NON-METALLIC GROUT, SHALL MEET ASTM C1107, MIN.  $F_c = 5,000$  psi.
    - EXPOSED STEEL FASTENERS: ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE 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)
- WELDING
  - 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
- CABLE CLIPS & TURNBUCKLES
  - 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.
    - 3/16"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.
    - 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 = 30 lb-ft, FOR 3/8"Ø CABLE CLIPS = 45 lb-ft, FOR 7/16"Ø CABLE CLIPS = 65 lb-ft.
    - TURNBUCKLES SHALL BE AISI 316 STAINLESS STEEL. ALLOWABLE STRENGTH FOR 1/2"Ø  $S_a = 1.54k$ , 5/8"Ø  $S_a = 2.46k$ , FOR 3/4"Ø  $S_a = 3.52k$ .
- BOLT HOLES
  - 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
- CORROSION PROTECTION
  - 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
- FABRIC MATERIAL
  - FABRIC MATERIAL SHALL BE COMMERCIAL NINETYFIVE 340 FR FABRIC
  - MAXIMUM MODULUS OF ELASTICITY = 657 LB/IN PER FABRIC THICKNESS
  - THE FABRIC SHALL BE MANUFACTURED FROM HIGH DENSITY POLYETHYLENE POLYMER
  - NOMINAL WEIGHT = 10 oz/yd<sup>2</sup>
  - MIN. ULTIMATE BREAKING STRENGTH PER ASTM D 5034: WARP = 158.6 lbs, WEFT = 412.3 lbs
  - MAX. ELONGATION: WARP = 49%, WEFT = 89%
  - MIN. ULTIMATE TEAR STRENGTH PER ASTM D 2261: WARP = 43.0 lbf, WEFT = 39.6 lbf
  - ALLOWABLE STRENGTH OF SEAMS: 67.3 lb/in
  - FIRE RETARDANT RATING PER CSFM - TITLE 19, (LICENSE # - F-037801).
  - FABRIC SHADE STRUCTURES SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CBC SECTION 3102 AND 3105
  - FABRIC MATERIAL SHALL COMPLY WITH CBC SECTIONS 3102.3.1, 3105.3, AND CCR, TITLE 19, DIVISION 1, CHAPTER 8
- QUALITY CONTROL
  - 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.
  - 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 LABS CERTIFIED INSPECTOR.
  - 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. 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.
- STANDARD NOTES
  - ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
  - 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
  - A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR
  - A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT
  - 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.
  - THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c) PART 1, TITLE 24, CCR)
  - GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
  - 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.
  - 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.
  - 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)
  - THE MINIMUM SEISMIC SEPARATION BETWEEN ADJACENT SHADE STRUCTURES IS 4 INCHES.
  - AS PER IR PC-4 5.7: 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.
  - AS PER IR PC-4 5.7: 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.
  - MINIMUM SETBACK LIMIT FOR THE SHADE STRUCTURES AS PER FIGURE 1:

INDEX (Sheet Count: 5)	
#	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 ft<sup>2</sup> IN AREA, COMPLYING WITH THE REQUIREMENTS OF DSA IR A-4 SECTION 3.1.1, SUPPORTED ON ALL CORNERS (3 COLUMNS MINIMUM), A SITE-SPECIFIC GEOHAZARD REPORT IS NOT REQUIRED -OR-
- IF THE CANOPY SIZE IS < 4,000 ft<sup>2</sup> IN AREA AND THERE IS A GEOTECHNICAL REPORT PROVING THAT NO POTENTIAL FOR LIQUEFACTION EXISTS, A SITE-SPECIFIC GEOHAZARD REPORT IS NOT REQUIRED
- THE CANOPY SIZE PROVIDES THE MINIMUM REQUIRED AREA FOR THE SELECTED ASSEMBLY USE AND DESIRED OCCUPANCY LOAD (SEE ASSEMBLY USE SELECTION CHECKLIST)

**OCCUPANCY USE SELECTION CHECKLIST**

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

- ASSEMBLY GROUP A-2
- ASSEMBLY GROUP A-3
- BUSINESS GROUP B
- EDUCATIONAL GROUP E
- INTENDED OCCUPANCY LOAD 60 PERSONS

**SITE-SPECIFIC CODE ANALYSIS**

THIS SECTION IS TO BE FILLED OUT BY THE ARCHITECT OF RECORD FOR SITE-SPECIFIC APPROVAL TYPE OF CONSTRUCTION: TYPE IIB FIRE SPRINKLER: NO ALLOWABLE AREA = 14,500 ft<sup>2</sup>

CODE ANALYSIS			
OCCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTURE AREA (ft <sup>2</sup> )
E	20 SF/ PERSON	60	1200

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

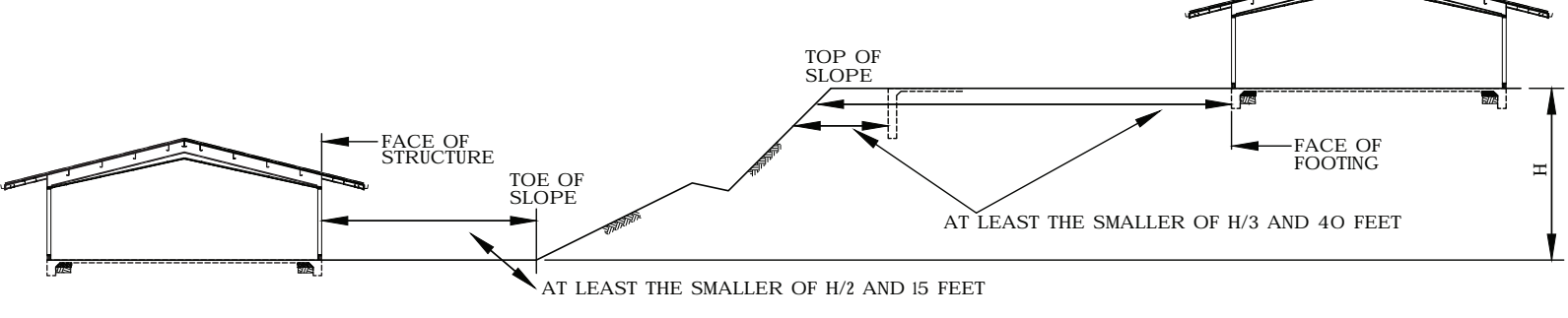
**HIP STYLE SIZE**

- |   |   |
|---|---|
| <input type="checkbox"/> 10' x 20'            | <input type="checkbox"/> 9'             |
| <input type="checkbox"/> 15' x 20'            | <input type="checkbox"/> 10'            |
| <input type="checkbox"/> 18' x 36'            | <input checked="" type="checkbox"/> 12' |
| <input type="checkbox"/> 20' x 20'            |   |
| <input type="checkbox"/> 20' x 30'            |   |
| <input type="checkbox"/> 20' x 40'            |   |
| <input type="checkbox"/> 25' x 25'            |   |
| <input type="checkbox"/> 25' x 30'            |   |
| <input type="checkbox"/> 30' x 30'            |   |
| <input checked="" type="checkbox"/> 30' x 40' |   |

**UMBRELLA STYLE SIZE**

- |                              |                              |
|------------------------------|------------------------------|
| <input type="checkbox"/> 12' | <input type="checkbox"/> 9'  |
| <input type="checkbox"/> 20' | <input type="checkbox"/> 10' |
|                              | <input type="checkbox"/> 12' |

FIG. 1: FOUNDATION CLEARANCES FROM SLOPE



SEAL:



DSA IDENTIFICATION STAMP

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-122384 INC:

REVIEWED FOR

SS  FLS  ACS

DATE: 04/29/2024

**SUPERIOR**  
RECREATIONAL PRODUCTS

Shade

SUPERIOR SHADE  
150 Adamson Industrial Blvd.  
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP COVER SHEET

COPYRIGHT: THIS PLAN/DRAWING IS THE EXCLUSIVE PROPERTY OF THE MANUFACTURER AND MAY NOT BE USED OR REPRODUCED WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION FROM THE MANUFACTURER.

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: 02-120923 PC

REVIEWED FOR

SS  FLS  ACS  CG

DATE: 9/21/2023

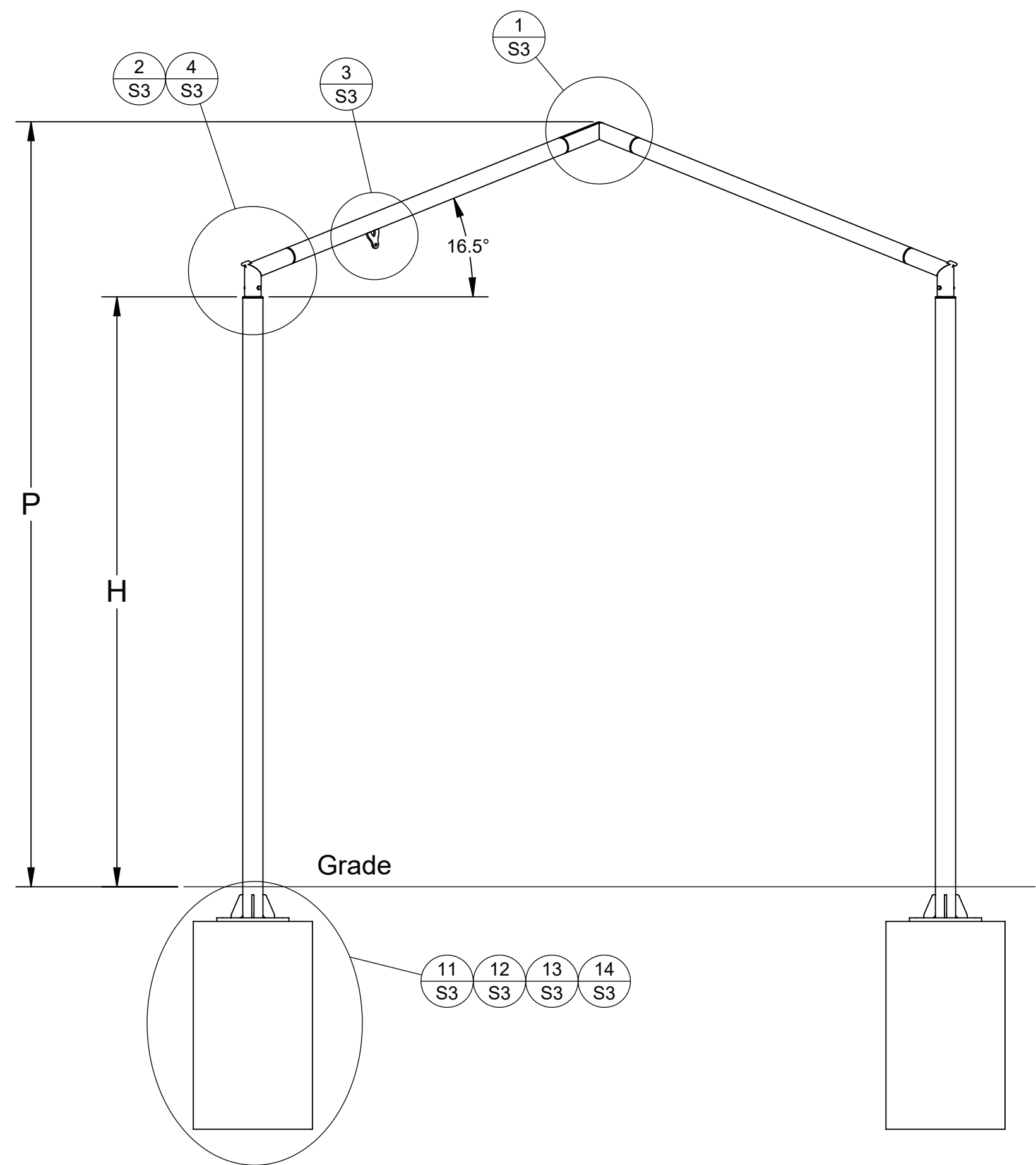
SITE PROJECT NAME:	DISTRICT/OWNER:	LOCATION/ADDRESS:	Revisions		
			Date:	By:	
			0	12/18/2022	KJK
			1	8/16/2023	KJK

Drawn:	KJK
Date:	12/8/2022
Chkd:	Zhisong Zhao
Date:	1/19/2023
Job Number:	

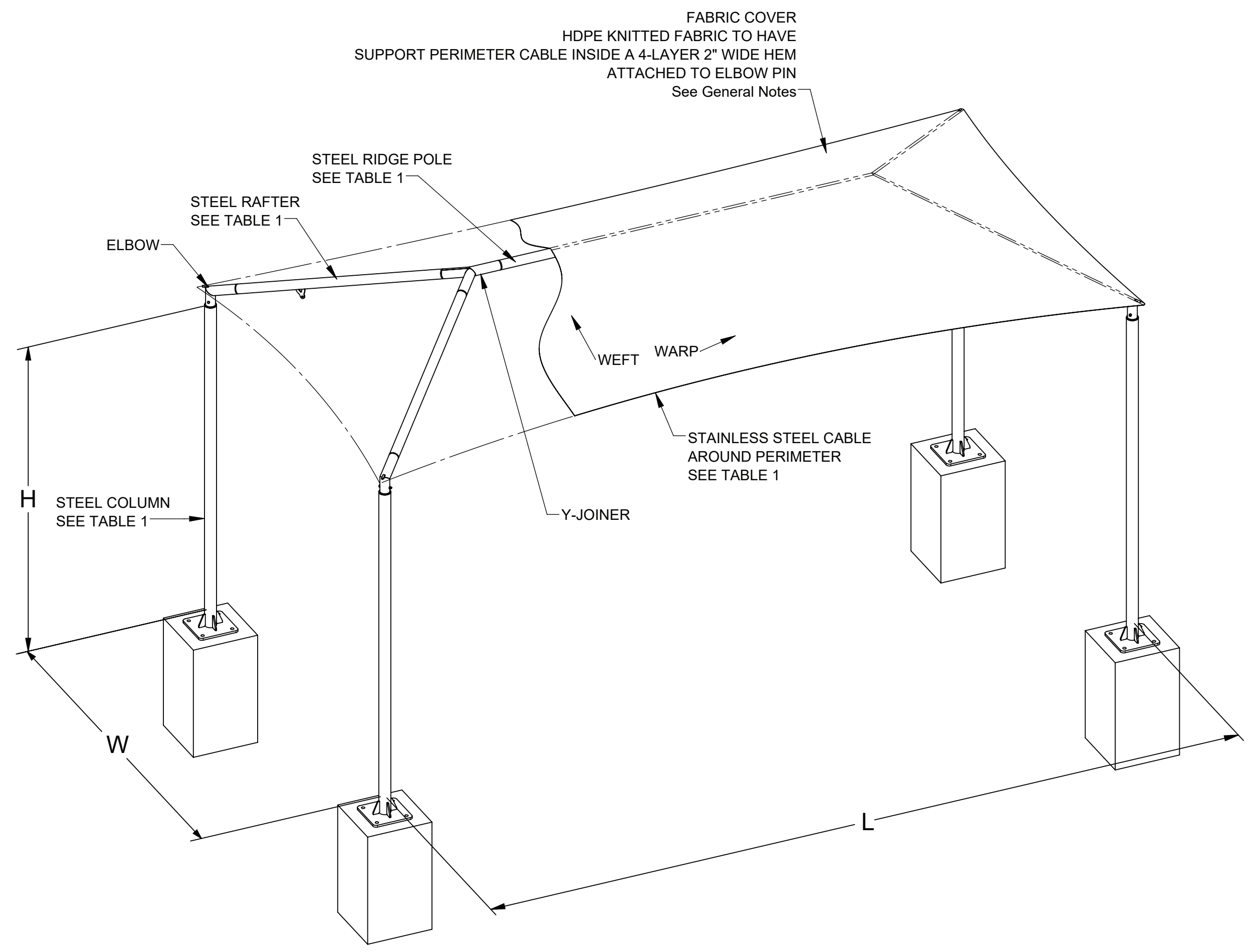
SEAL:

**S1**

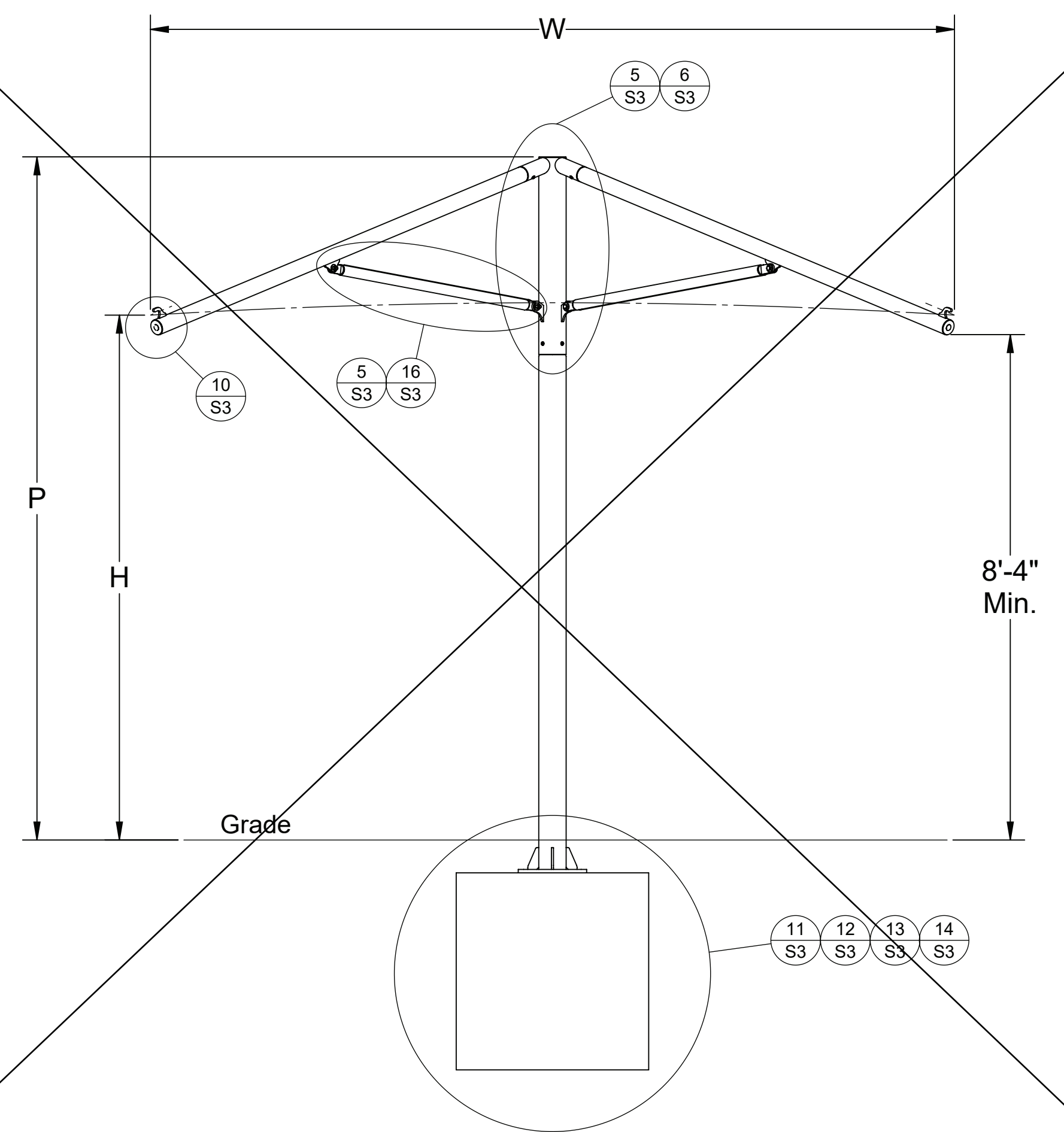
Sheet No.



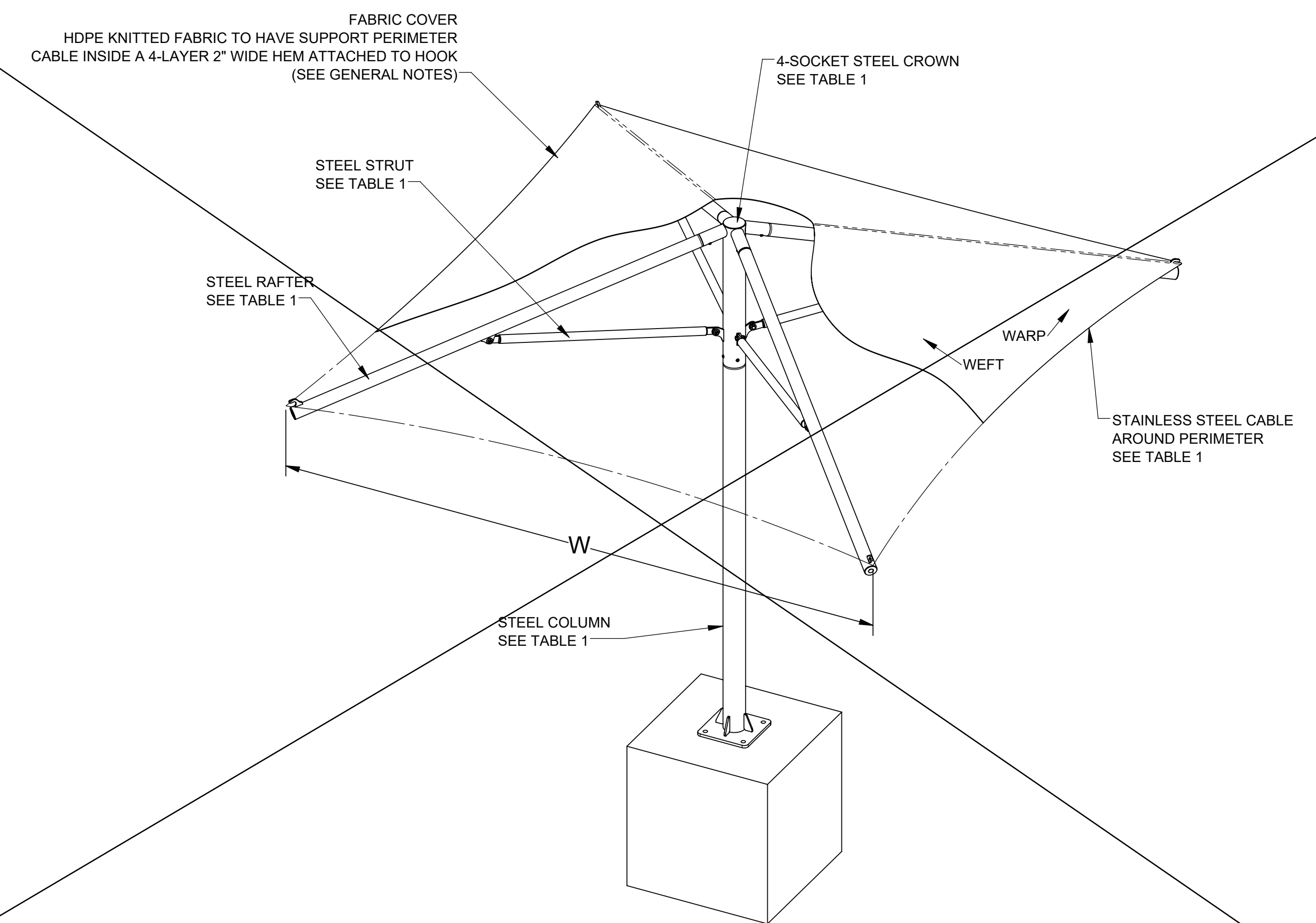
2 HIP FRAME ELEVATION  
S2



1 HIP SHADE STRUCTURE  
S2



4 UMBRELLA FRAME ELEVATION  
S2



3 UMBRELLA SHADE STRUCTURE  
S2

DSA IDENTIFICATION STAMP  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122384 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 04/29/2024

**SUPERIOR**  
RECREATIONAL PRODUCTS  
Shade

SUPERIOR SHADE  
150 Adamson Industrial Blvd.  
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP  
ELEVATION DETAILS

COPYRIGHT:  
THIS PLAN/DRAWING IS THE EXCLUSIVE  
PROPERTY OF THE MANUFACTURER AND MAY  
NOT BE USED OR REPRODUCED WHOLE OR  
IN PART WITHOUT THE WRITTEN PERMISSION  
FROM THE MANUFACTURER.

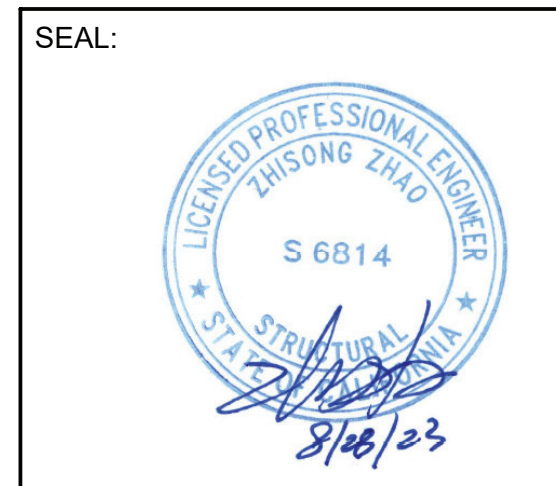
PC IDENTIFICATION STAMP  
PRE-CHECK (PC) DOCUMENT  
CODE: 2022 CBC  
A separate project application  
for construction is required

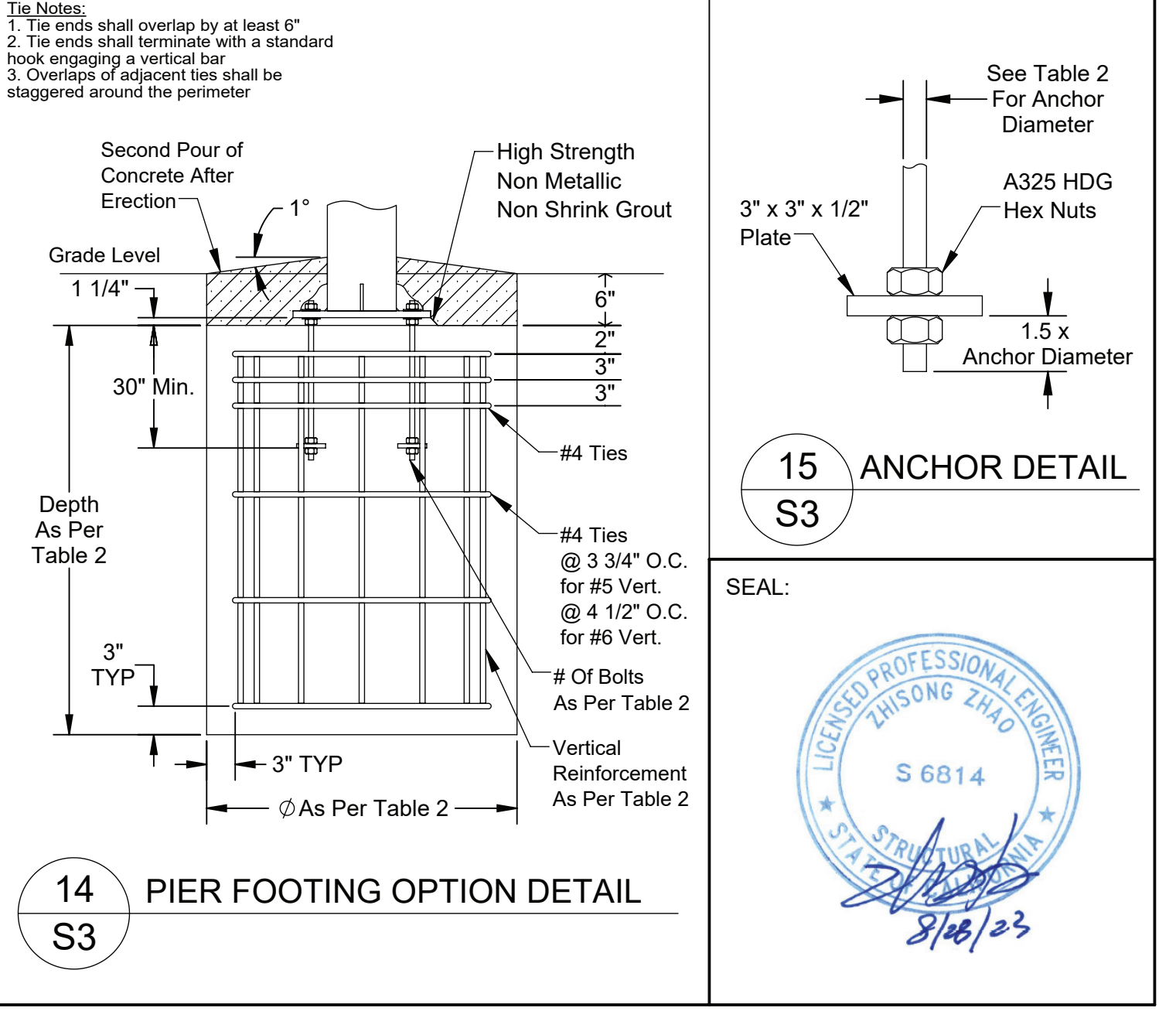
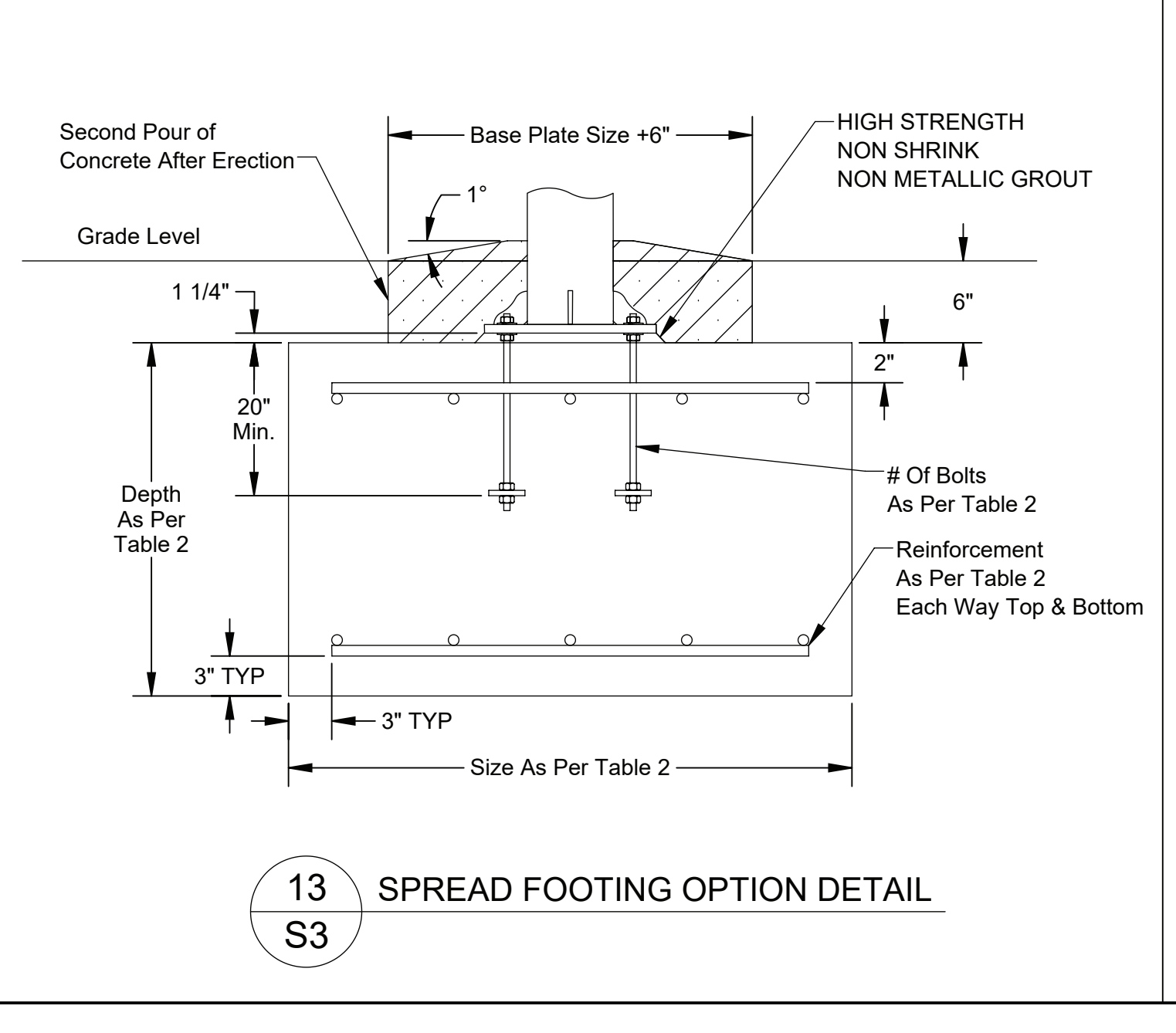
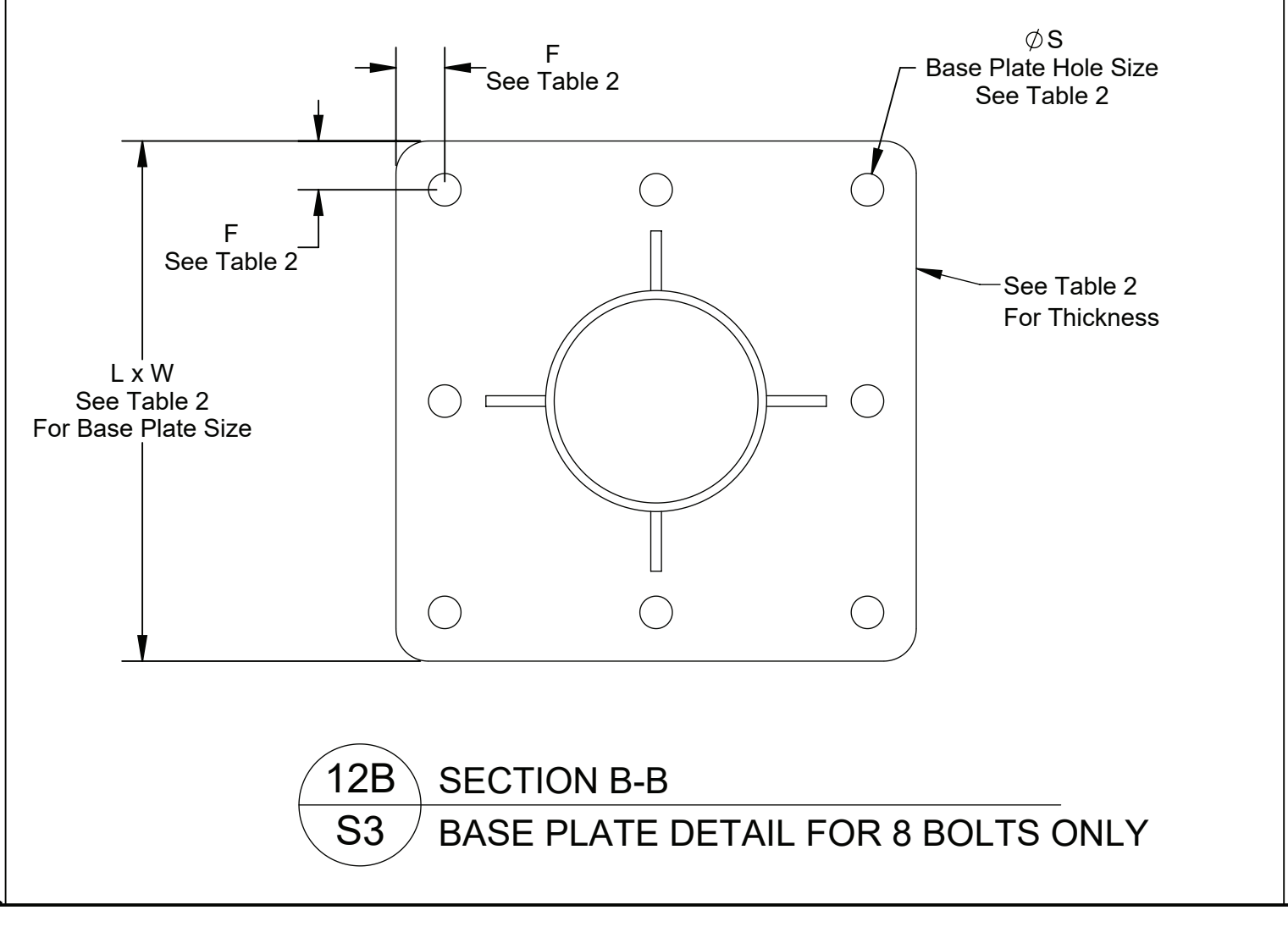
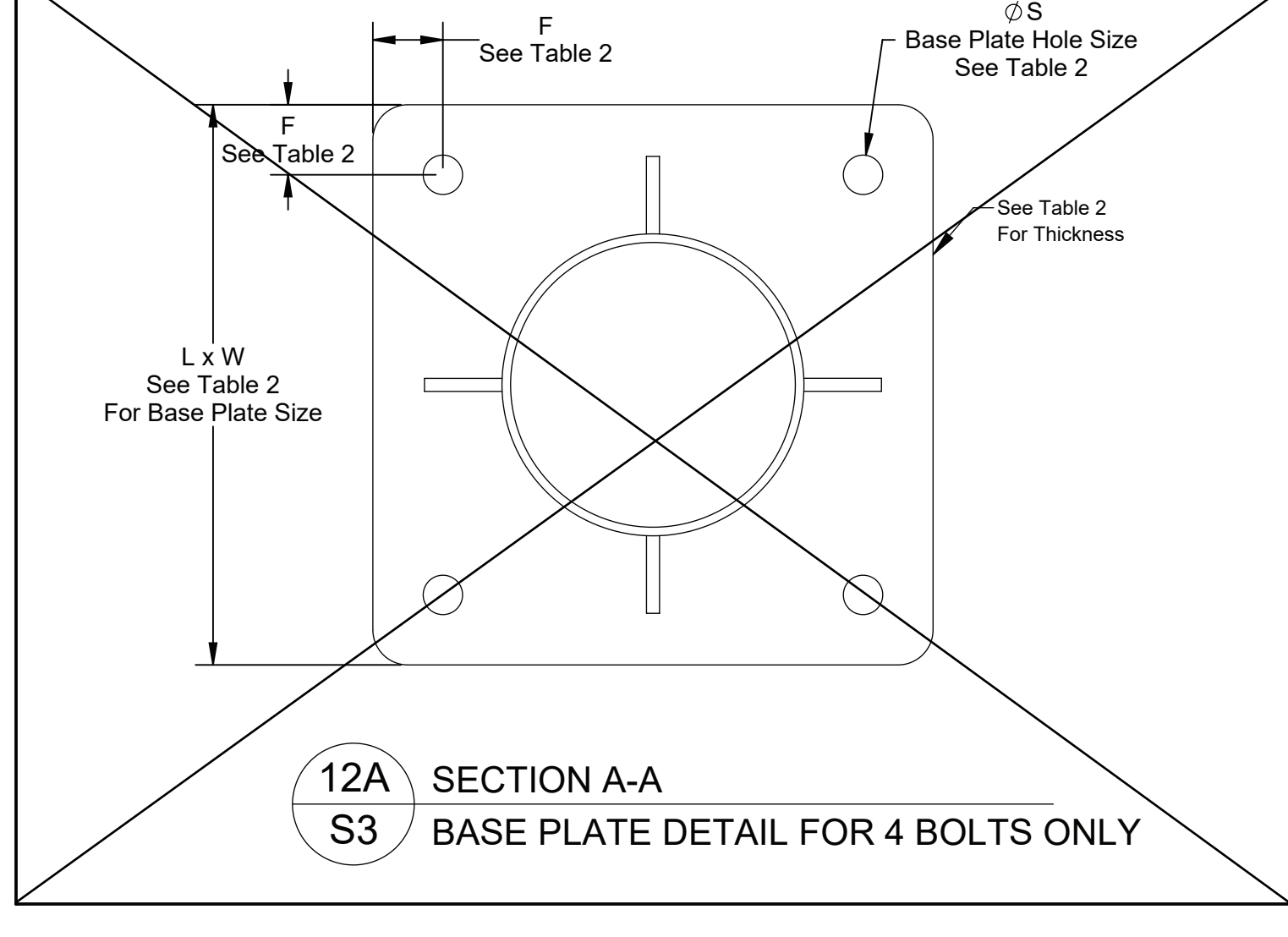
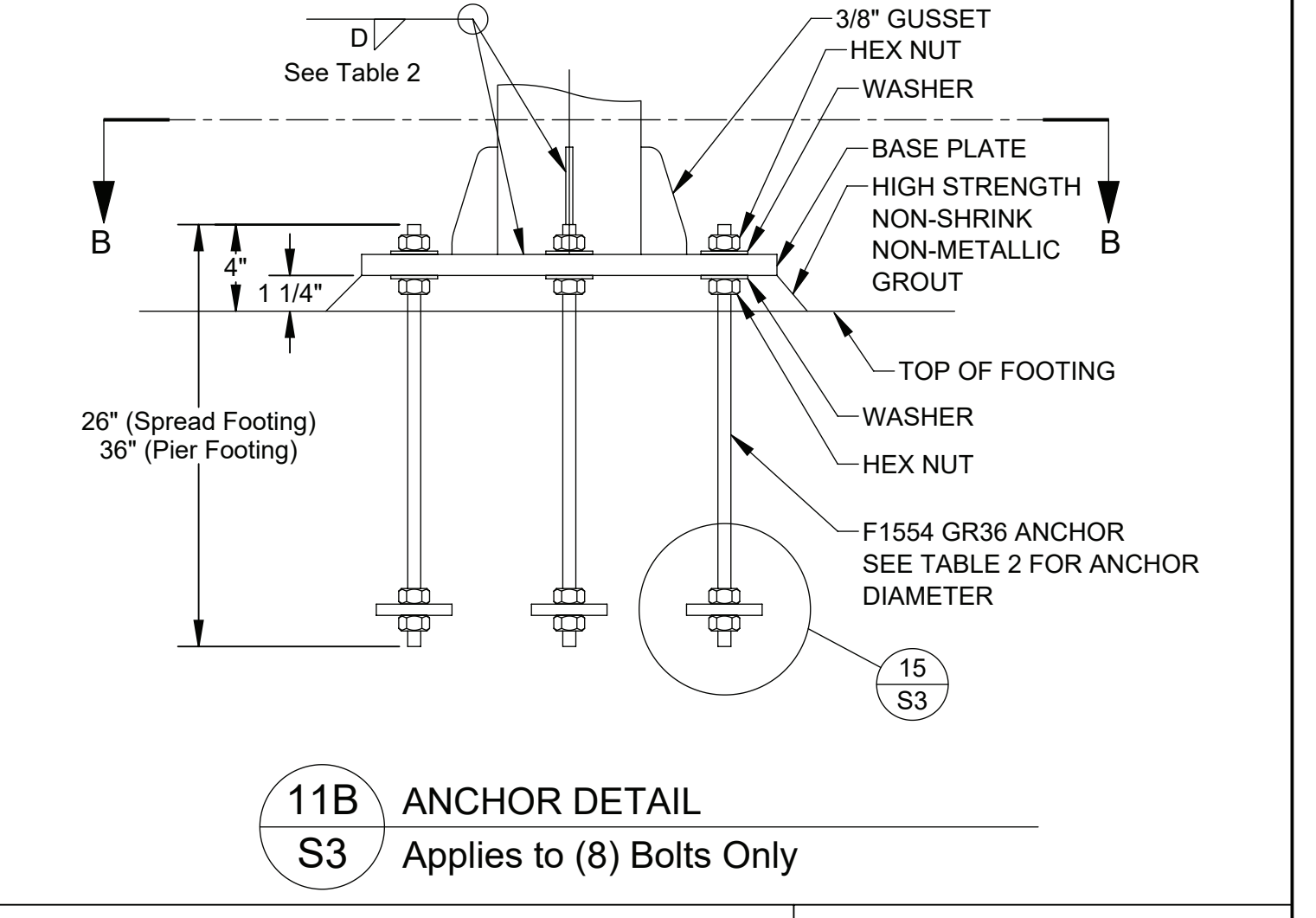
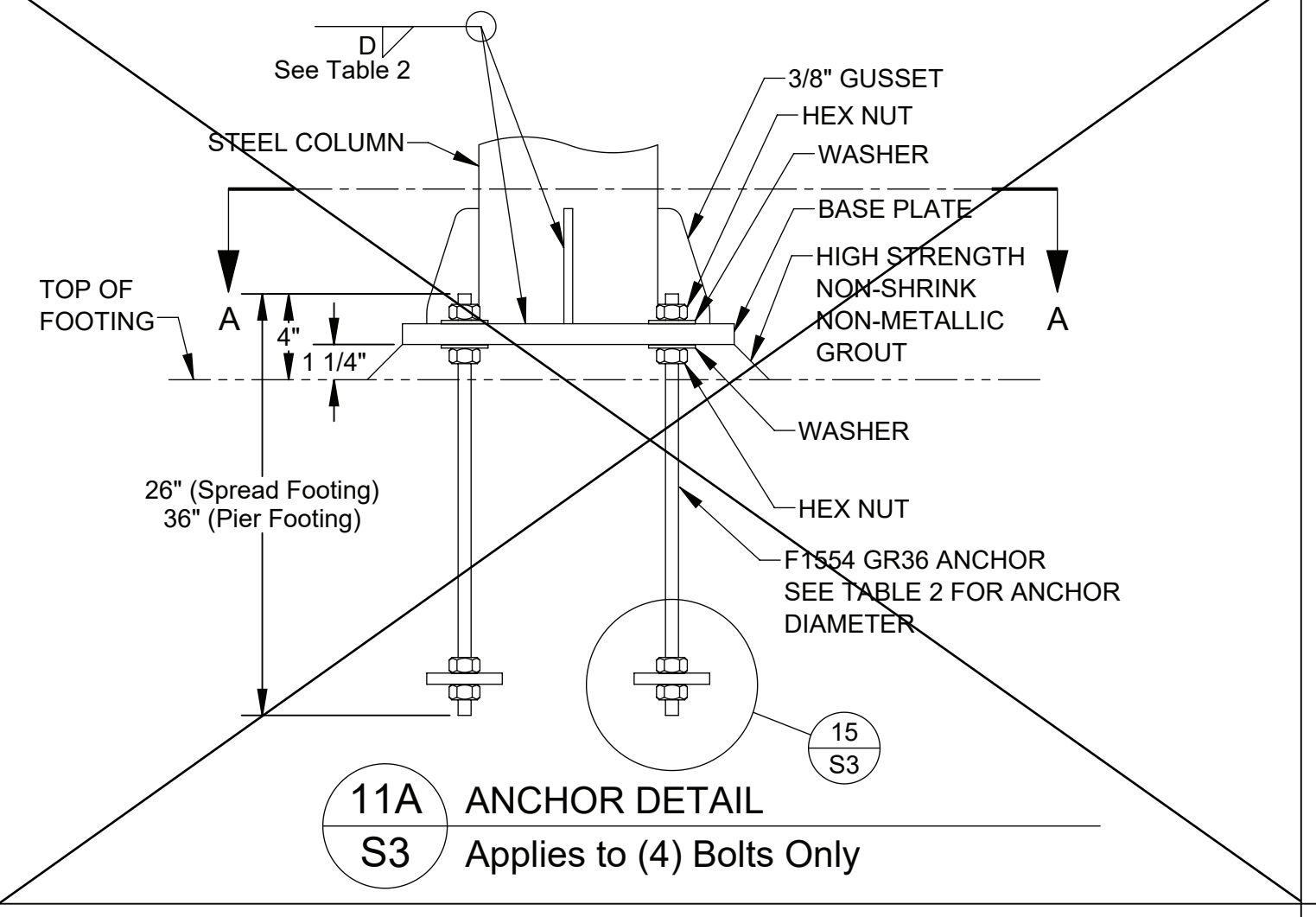
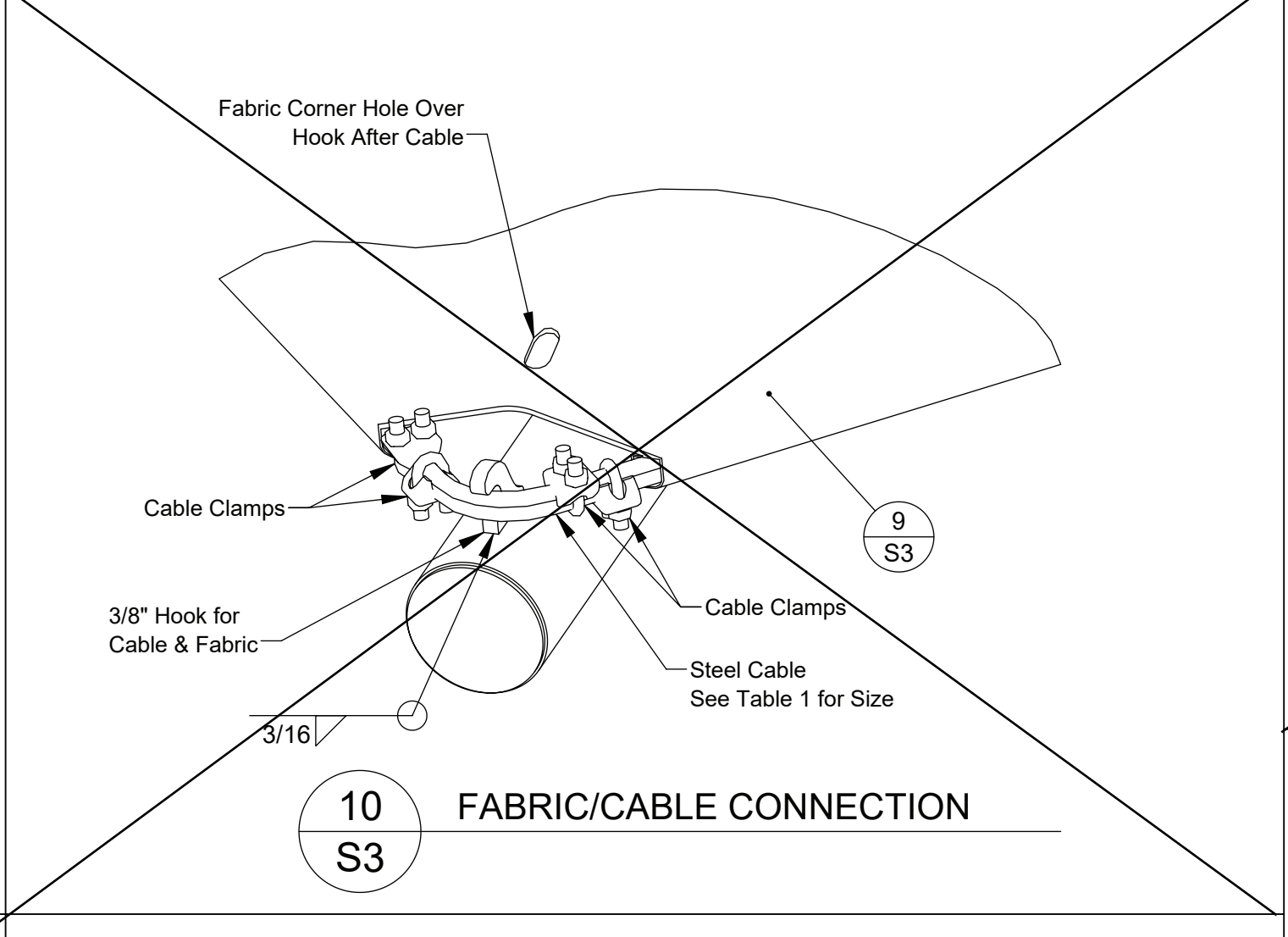
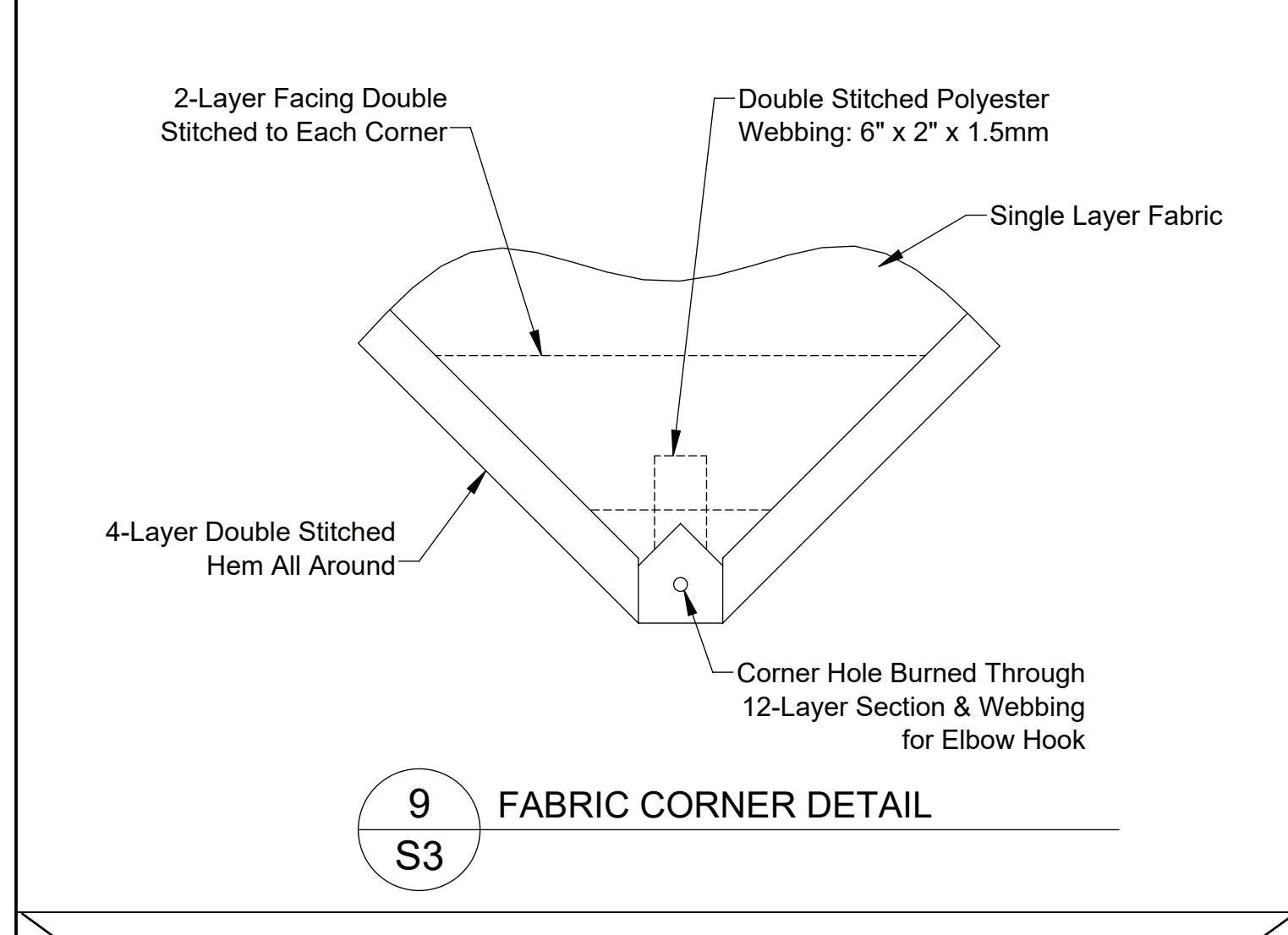
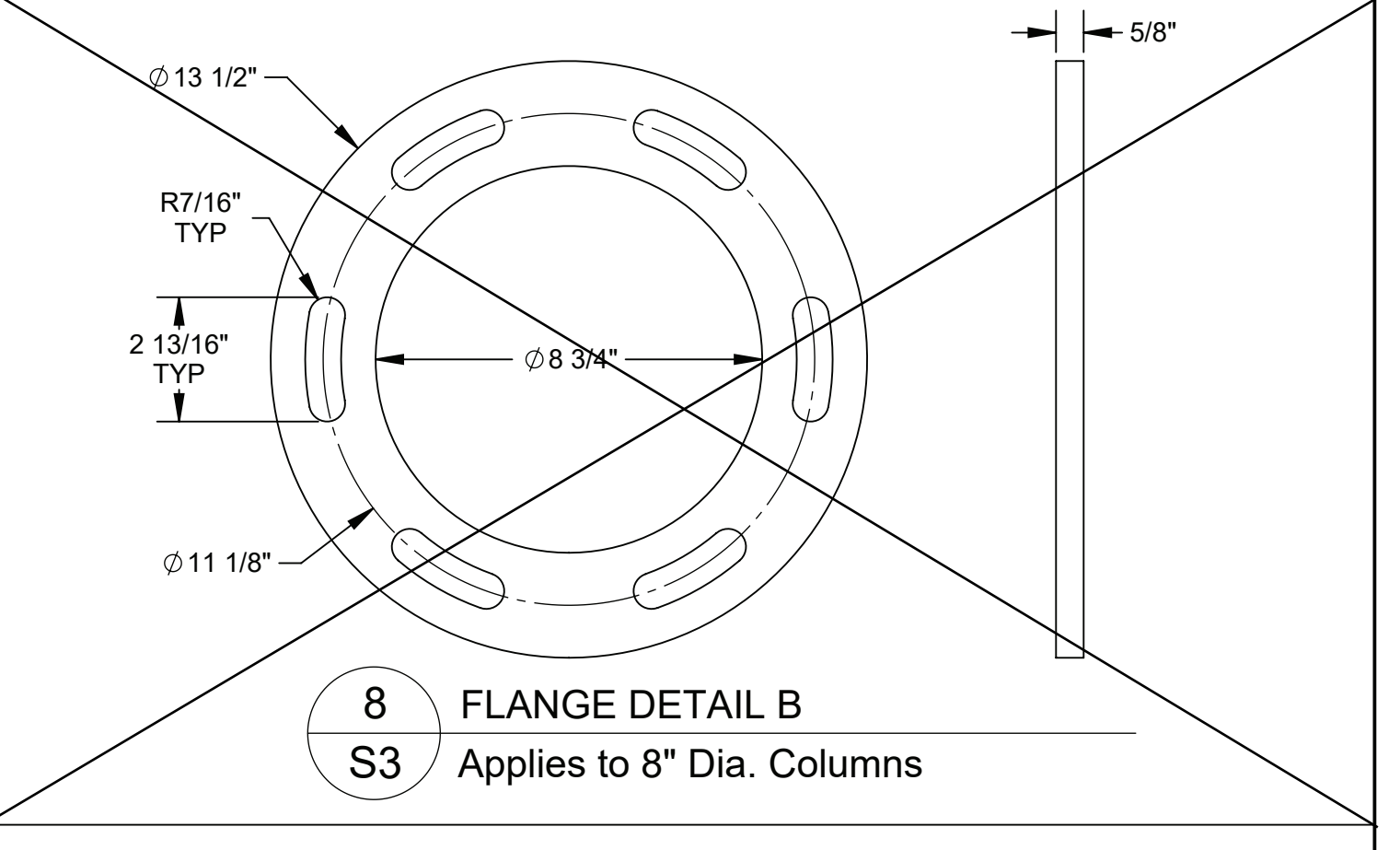
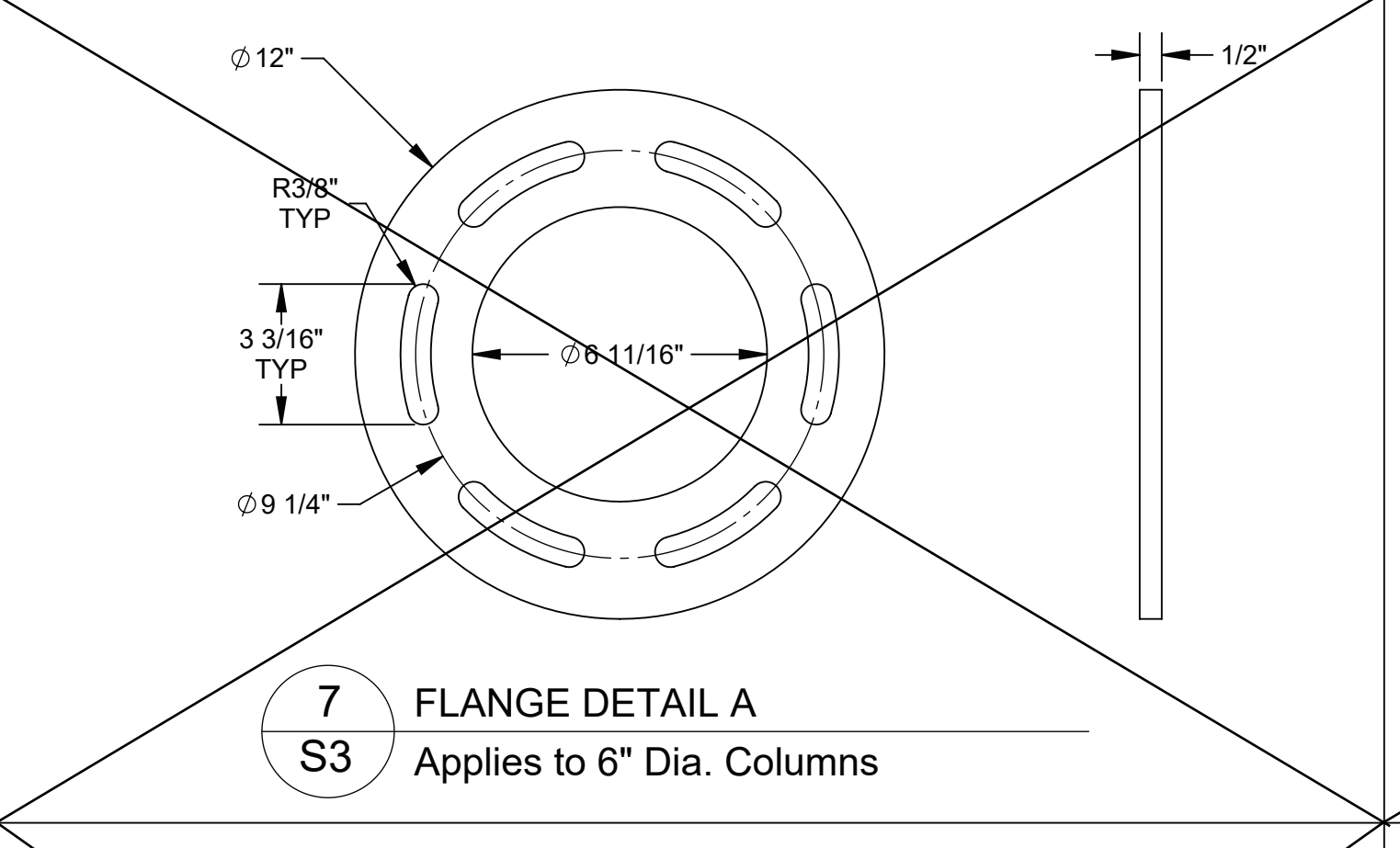
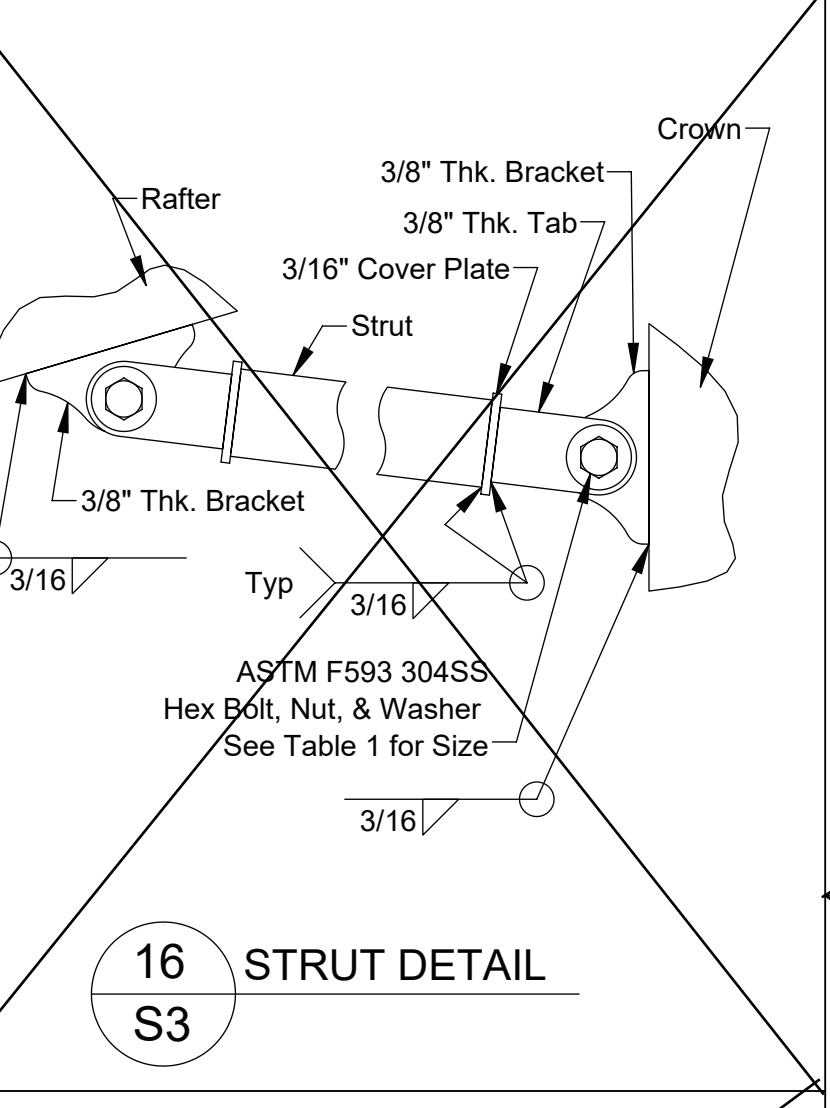
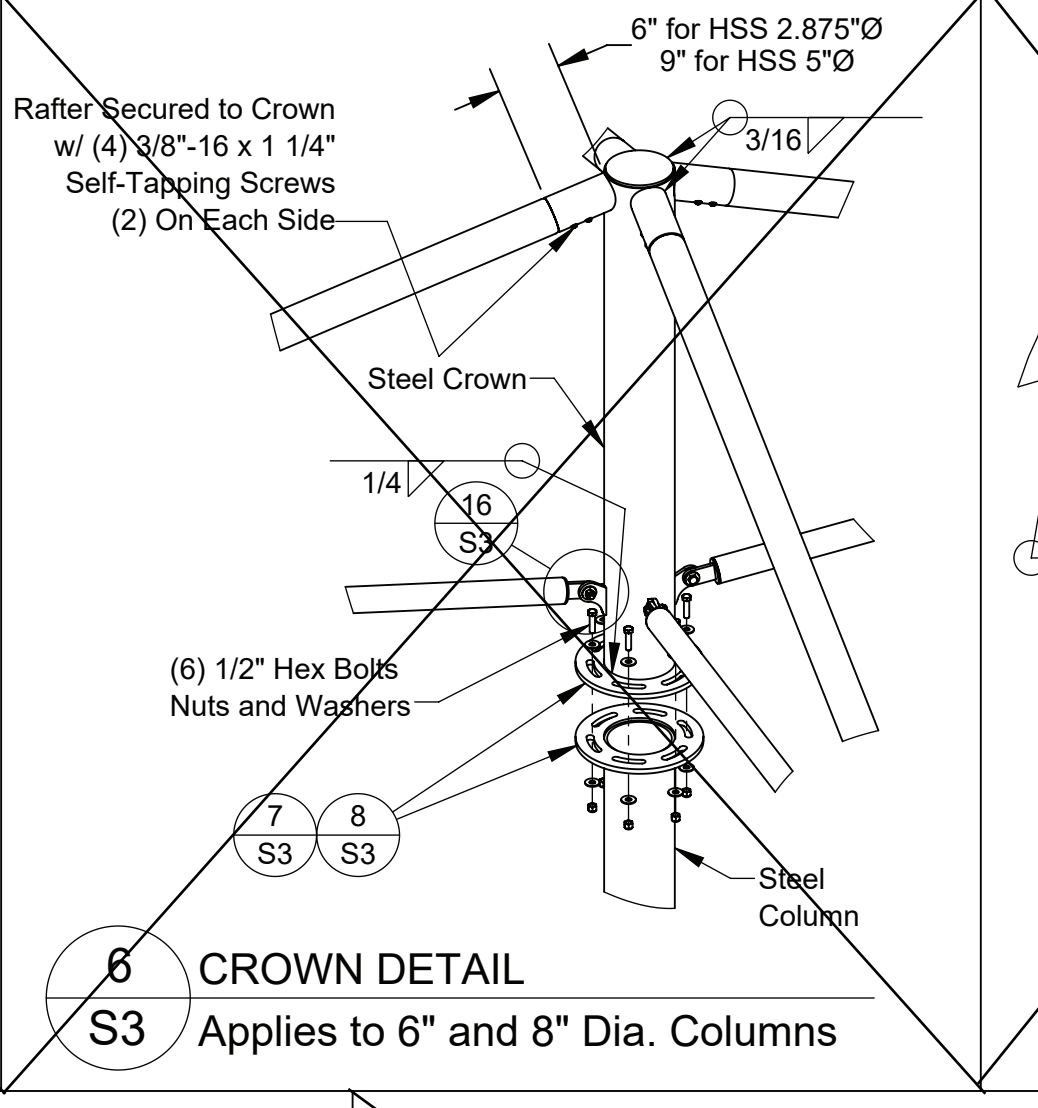
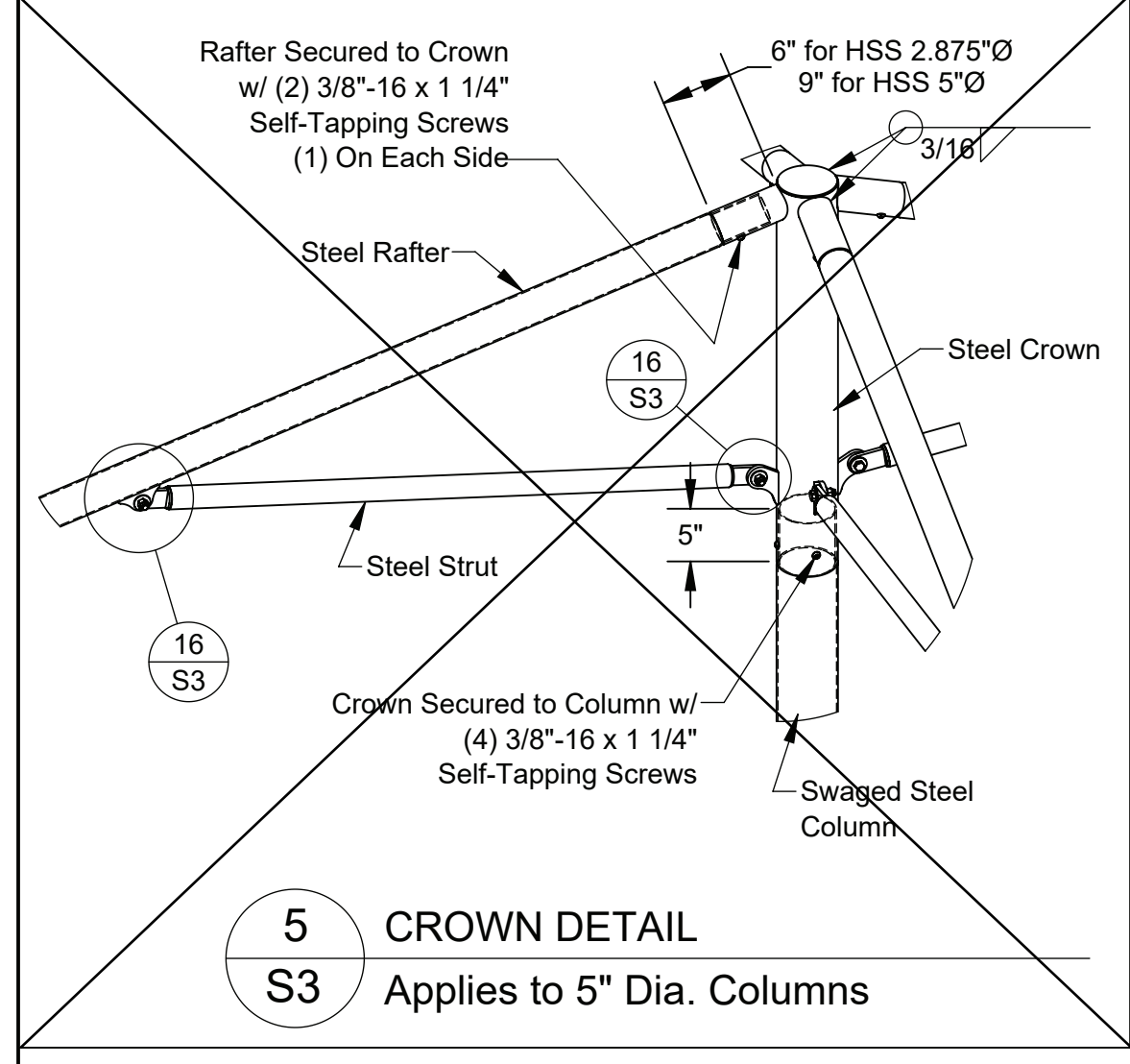
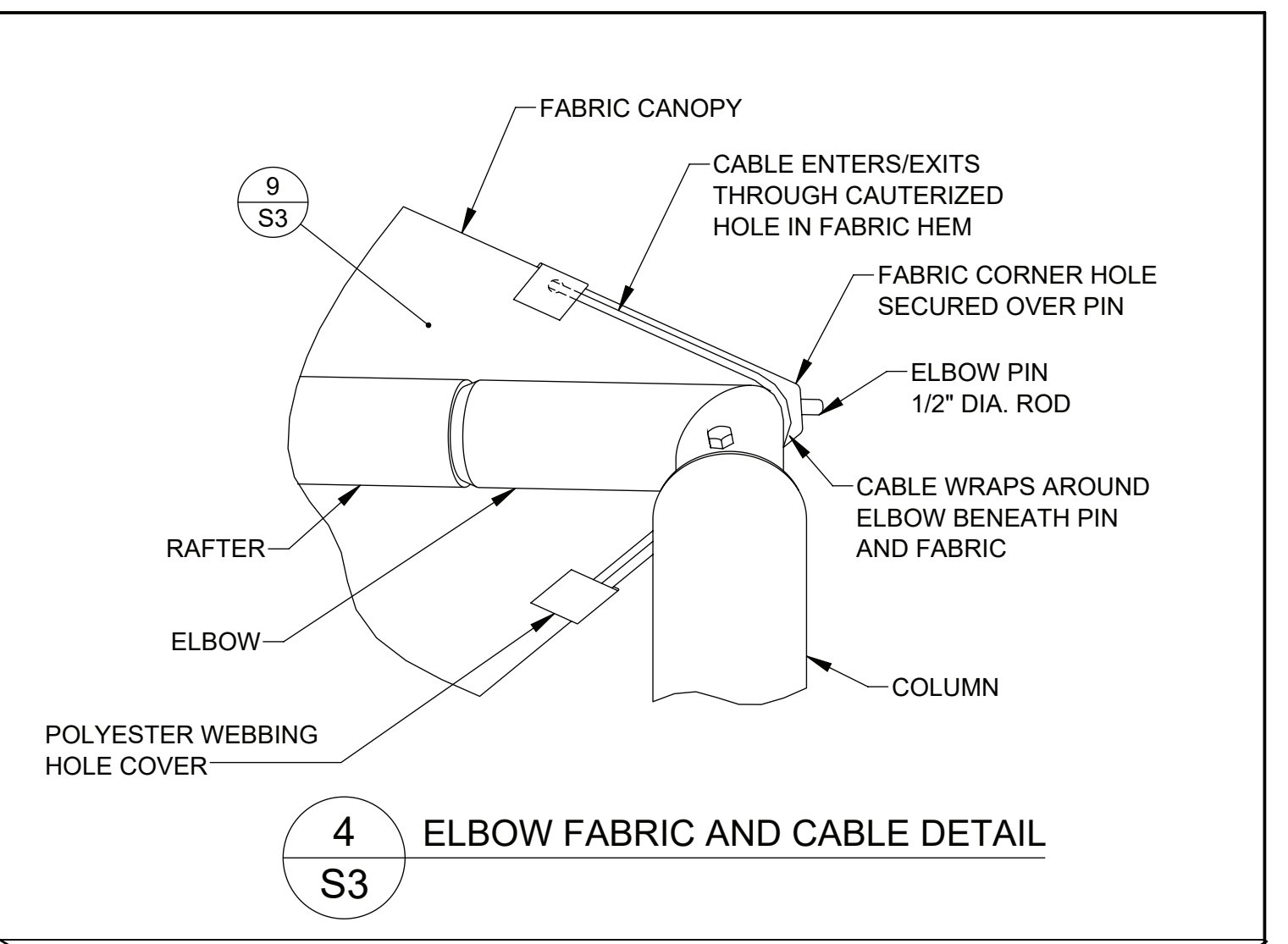
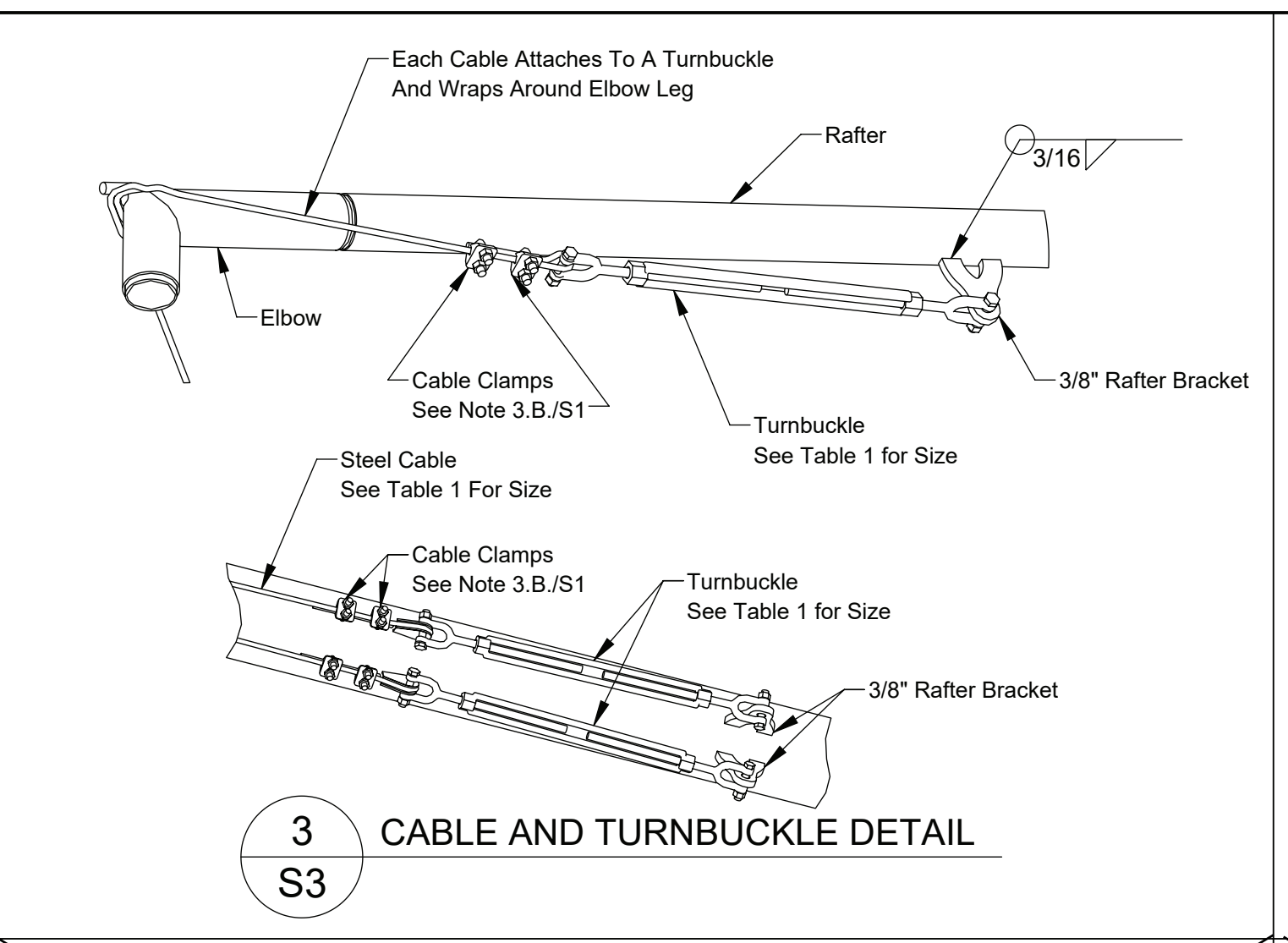
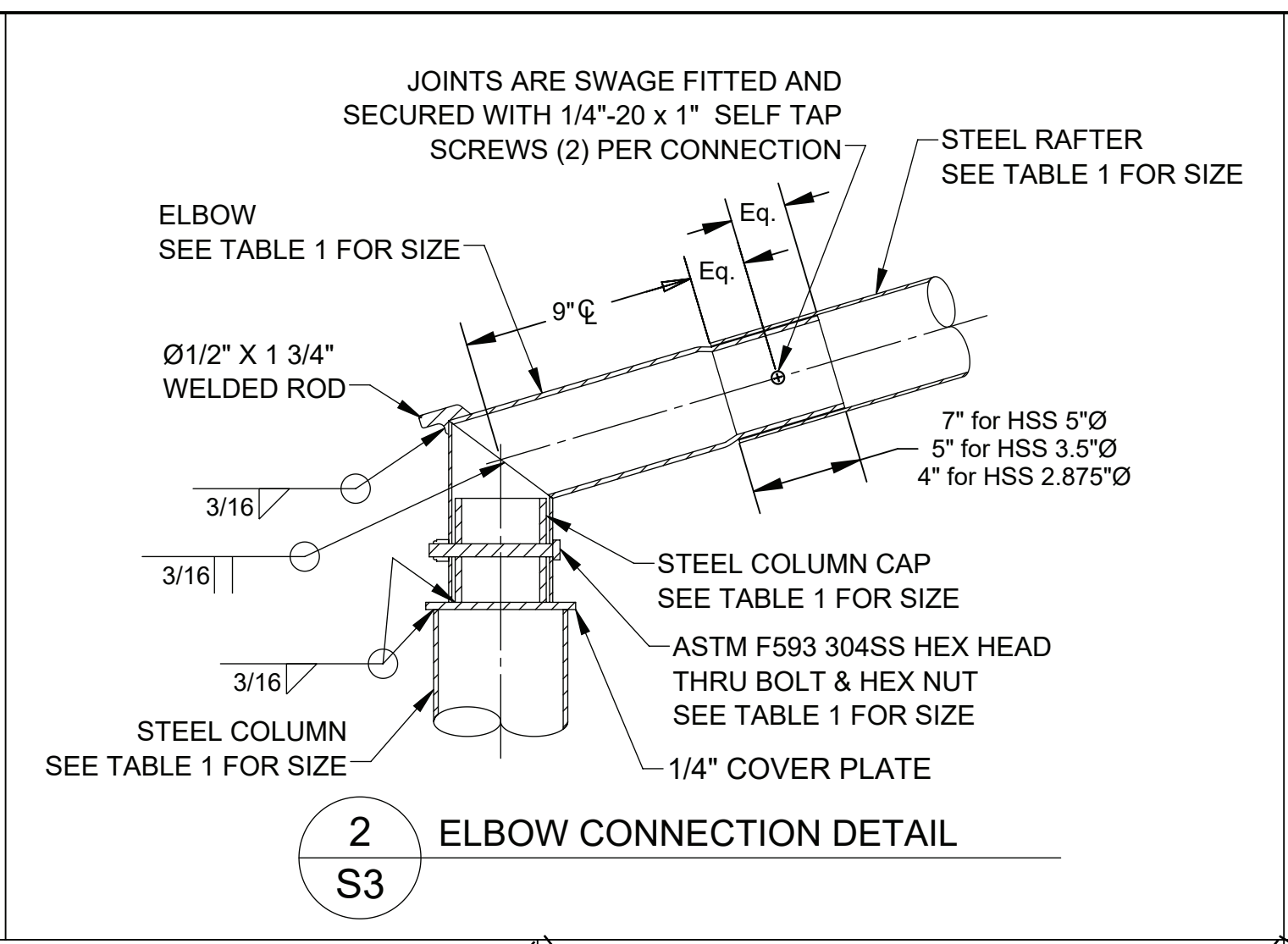
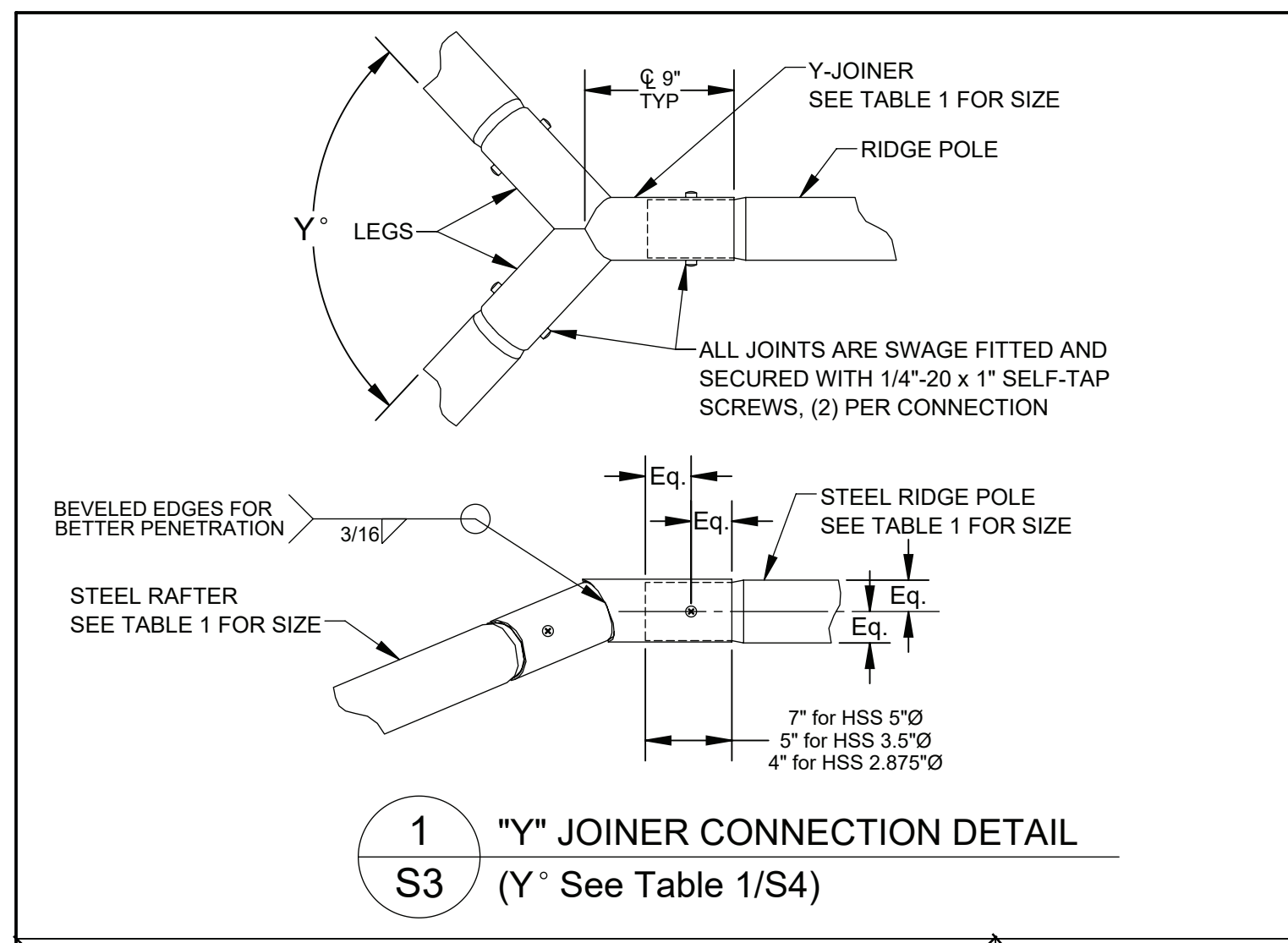
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-120923 PC  
REVIEWED FOR  
SS  FLS  ACS  CG   
DATE: 9/21/2023

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

Revisions		
Date:	By:	
12/18/2022	KJK	0
8/16/2023	KJK	1

Drawn: KJK  
Date: 12/8/2022  
Chkd: Zhisong Zhao  
Date: 1/19/2023  
Job Number:





DSA IDENTIFICATION STAMP  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122384 INC:  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 04/29/2024

**SUPERIOR**  
 RECREATIONAL PRODUCTS  
 Shade  
 SUPERIOR SHADE  
 150 Adamson Industrial Blvd.  
 Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP  
 TYPICAL CANOPY DETAILS  
 COPYRIGHT:  
 THIS PLAN/DRAWING IS THE EXCLUSIVE  
 PROPERTY OF THE MANUFACTURER AND MAY  
 NOT BE USED OR REPRODUCED WHOLE OR  
 IN PART WITHOUT THE WRITTEN PERMISSION  
 FROM THE MANUFACTURER.

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: 02-120923 PC  
 REVIEWED FOR  
 SS  FLS  ACS  CG   
 DATE: 9/21/2023

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

Revisions		
Date:	By:	
0 12/18/2022	KJK	
1 8/16/2023	KJK	

Drawn: KJK  
 Date: 12/8/2022  
 Chkd: Zhisong Zhao  
 Date: 1/19/2023  
 Job Number:

**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)
	DSARD102009SN	10'	20'	9'	11.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSARD152009SN	15'	20'	9'	12.03'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202009SN	20'	20'	9'	12.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
	DSASD252509SN	25'	25'	9'	13.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203009SN	20'	36'	9'	13.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253009SN	25'	30'	9'	14.05'	Pipe 8" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSASD303009SN	30'	30'	9'	14.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183609SN	18'	36'	9'	12.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204009SN	20'	40'	9'	13.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD304009SN	30'	40'	9'	15.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD102010SN	10'	20'	10'	12.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSARD152010SN	15'	20'	10'	13.03'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202010SN	20'	20'	10'	13.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
	DSASD252510SN	25'	25'	10'	14.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203010SN	20'	30'	10'	14.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253010SN	25'	30'	10'	15.05'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSASD303010SN	30'	30'	10'	15.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183610SN	18'	36'	10'	13.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204010SN	20'	40'	10'	14.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD304010SN	30'	40'	10'	16.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD102012SN	10'	20'	12'	14.02'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	HSS 2.875" x 12 Gauge	3/16" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSARD152012SN	15'	20'	12'	15.03'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	94.3	3/8" x 3-1/2"	2" Sch-40
	DSASD202012SN	20'	20'	12'	15.7'	Pipe 5" x Sch 40	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	HSS 3.5" x 11 Gauge	1/4" 7x19	Ø 5/8" x 12"	106	1/2" x 4-1/2"	3" OD DOM 1/4" Wall
	DSASD252512SN	25'	25'	12'	16.63'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD203012SN	20'	30'	12'	16.04'	Pipe 6" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	5/16" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD253012SN	25'	30'	12'	17.05'	Pipe 8" x Sch 40	HSS 5" x 11 Gauge	HSS 5" x 11 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSASD303012SN	30'	30'	12'	17.55'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	3/8" 7x19	Ø 3/4" x 12"	106	1/2" x 6"	4" Sch-40
	DSARD183612SN	18'	36'	12'	15.63'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
	DSARD204012SN	20'	40'	12'	16.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" x 6"	4" Sch-40
x	DSARD304012SN	30'	40'	12'	18.06'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	HSS 5" x 7 Gauge	7/16" 6x36	Ø 1" x 12"	94.3	1/2" 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 16/S3)
DSASU121209SN	12'	12'	9'	11.42'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 11 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	Ø 3/4"
DSASU121210SN	12'	12'	10'	12.42'	HSS 5" x 11 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 11 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	Ø 3/4"
DSASU121212SN	12'	12'	12'	14.42'	HSS 5" x 7 Gauge	HSS 2.875" x 12 Gauge	HSS 5" x 7 Gauge	HSS 1.9" x 11 Gauge	3/16" 7x19	Ø 3/4"
DSASU202009SN	20'	20'	9'	13.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	Ø 1"
DSASU202010SN	20'	20'	10'	14.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	Ø 1"
DSASU202012SN	20'	20'	12'	16.04'	Pipe 8" x Sch 40	HSS 5" x 7 Gauge	Pipe 8" x Sch 40	HSS 2.5" x 12 Gauge	5/16" 7x19	Ø 1"

TABLE 2 : Shade Foundation

Style	✓	Shade Number	Base Plate Size (L x W)	Base Plate Thickness	Base Plate Weld Size (D)	Base Plate Anchor Bolt Hole Size Ø(S)	Base Plate Hole Offset (F)	Anchor Diameter	Anchor Number	Spread Footing Depth	Spread Foot Size	Spread Footing Reinforcement	Pier Footing Depth	Pier Footing Diameter	Pier Footing Reinforcement
		DSARD102009SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.5' x 3.5'	5 #5	5.75'	Ø 2'	8 #6
		DSARD152009SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4' x 4'	6 #5	6.75'	Ø 2'	8 #6
		DSASD202009SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	5.5' x 5.5'	7 #5	7.75'	Ø 2'	8 #6
		DSASD252509SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.5' x 6.5'	9 #5	9'	Ø 2.5'	10 #6
		DSARD203009SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	5.5' x 5.5'	7 #5	8.75'	Ø 2.5'	10 #6
		DSARD253009SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' x 6.5'	9 #5	9.25'	Ø 3'	12 #6
		DSASD303009SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.25' x 7.25'	10 #5	9.5'	Ø 3'	12 #6
		DSARD183609SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6' x 6'	8 #5	9.25'	Ø 3'	12 #6
		DSARD204009SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	6.5' x 6.5'	9 #5	10'	Ø 3'	12 #6
		DSARD304009SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.25' x 7.25'	10 #5	11'	Ø 3'	12 #6
		DSARD102010SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.5' x 3.5'	5 #5	5.75'	Ø 2'	8 #6
		DSARD152010SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4' x 4'	6 #5	6.75'	Ø 2'	8 #6
		DSASD202010SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	5.75' x 5.75'	8 #5	7.75'	Ø 2'	8 #6
		DSASD252510SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.5' x 6.5'	9 #5	9'	Ø 2.5'	10 #6
		DSARD203010SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	5.75' x 5.75'	8 #5	8.75'	Ø 2.5'	10 #6
		DSARD253010SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.25' x 6.25'	8 #5	9.25'	Ø 3'	12 #6
		DSASD303010SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.25' x 7.25'	10 #5	9.75'	Ø 3'	12 #6
		DSARD183610SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' x 6.5'	9 #5	9.5'	Ø 3'	12 #6
		DSARD204010SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7' x 7'	9 #5	10'	Ø 3'	12 #6
		DSARD304010SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.5' x 7.5'	10 #5	11'	Ø 3'	12 #6
		DSARD102012SN	12" x 12"	1"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	3.75' x 3.75'	5 #5	6'	Ø 2'	8 #6
		DSARD152012SN	12" x 12"	1"	1/4"	1"	1 1/2"	7/8"	4	3.0'	4.5' x 4.5'	6 #5	7'	Ø 2'	8 #6
		DSASD202012SN	14" x 14"	1"	1/4"	1 1/8"	2"	1"	4	3.0'	6.25' x 6.25'	8 #5	7.75'	Ø 2'	8 #6
		DSASD252512SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.5' x 6.5'	9 #5	9'	Ø 2.5'	10 #6
		DSARD203012SN	18" x 18"	1 1/4"	5/16"	1 1/8"	2"	1"	8	3.0'	6.25' x 6.25'	8 #5	9'	Ø 2.5'	10 #6
		DSARD253012SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.5' x 6.5'	9 #5	9.25'	Ø 3'	12 #6
		DSASD303012SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	7.5' x 7.5'	10 #5	9.75'	Ø 3'	12 #6
		DSARD183612SN	24" x 24"	1 1/4"	5/16"	1 1/4"	2"	1 1/8"	8	3.0'	6.75' x 6.75'	8 #5	10'	Ø 3'	12 #6
		DSARD204012SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.25' x 7.25'	10 #5	10'	Ø 3'	12 #6
x		DSARD304012SN	26" x 26"	1 1/2"	5/16"	1 1/2"	3"	1 3/8"	8	3.0'	7.5' x 7.5'	10 #5	11'	Ø 3'	12 #6

Style	Shade Number	Base Plate Size (L x W)	Base Plate Thickness	Base Plate Weld Size (D)	Base Plate Anchor Bolt Hole Size Ø(S)	Base Plate Hole Offset (F)	Anchor Diameter	Anchor Number	Spread Footing Depth	Spread Foot Size	Spread Footing Reinforcement	Pier Footing Depth	Pier Footing Diameter	Pier Footing Reinforcement
	DSASU121209SN	10" x 10"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	4' x 4'	6 #5	5.25'	Ø 2'	8 #6
	DSASU121210SN	12" x 12"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	4.25' x 4.25'	6 #5	5.5'	Ø 2'	8 #6
	DSASU121212SN	14" x 14"	5/8"	3/16"	7/8"	1 1/2"	3/4"	4	3.0'	4.5' x 4.5'	6 #5	6'	Ø 2'	8 #6
	DSASU202009SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	5.5' x 5.5'	7 #5	7'	Ø 2.5'	10 #6
	DSASU202010SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	5.75' x 5.75'	8 #5	7.5'	Ø 2.5'	10 #6
	DSASU202012SN	18" x 18"	1"	5/16"	1"	1 1/2"	7/8"	8	3.0'	6.25' x 6.25'	8 #5	8'	Ø 2.5'	10 #6

DSA IDENTIFICATION STAMP  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122384 INC:  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 04/29/2024



Shade  
 SUPERIOR SHADE  
 150 Adamson Industrial Blvd.  
 Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP  
 REFERENCE TABLES  
 COPYRIGHT:  
 THIS PLAN/DRAWING IS THE EXCLUSIVE  
 PROPERTY OF THE MANUFACTURER AND MAY  
 NOT BE USED OR REPRODUCED WHOLE OR  
 IN PART WITHOUT THE WR



# FLAME RETARDANT

## Fabric Registration

LICENSE NUMBER: F-037801

COMMERCIAL NINETYFIVE  
340FR

### Product Marketed by:

GALE PACIFIC LTD  
145 WOODLANDS DRIVE  
BRAESIDE, AUSTRALIA 3195,

Issue Date : 04/18/2023  
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 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.

*C Walker*

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

*Patricia Setter*

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](http://calfire.gov/motus.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 gum 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 198

Each color individually tested and passes all certification criteria for above. Test results available upon request. NFPA-703 Class III in process

### FABRIC PROPERTIES

ISO 2001 2.13 Mils per unit  
Nominal fabric mass 340 gsm ± 20; 10 oz/yd<sup>2</sup>  
Approximate thickness 0.06 in / 1.6 mm

### ROLL SPECIFICATIONS

Nominal width: 9 ft / 30 in / 3.0m (folded)  
Length: 131 ft 3 in / 40m  
Approx. roll weight: 97 lbs / 44 kg  
Approx. roll diameter: 1.25 ft / 0.38 m  
Core diameter: 1.38 in / 35 mm

### USAGE INSTRUCTIONS

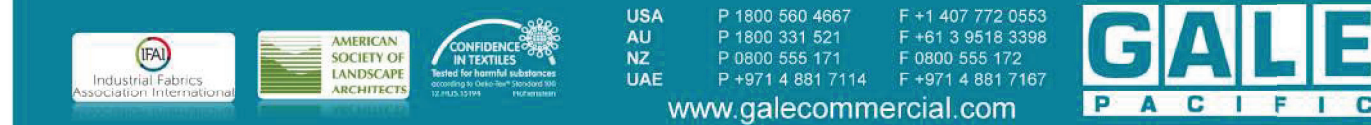
Do not use against flames. Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty. Biased elastic material properties available on request.

### SUGGESTED SPECIFICATION

Shade cloth fabric shall be compliant to Australian standard AS 4174.2018 and shall be GALE Pacific Commercial NinetyFive 340 FR Knitted HDPE monofilament & tape shade fabric offering a LIVE Protection from 90 to 98%.

Colour	Cover Factor	Shade Trans %	UV <sub>A</sub> /5% Trans %	UV <sub>R</sub> Trans %	UV <sub>R</sub> 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	93.8	92	Very Effective
Cherry Red	90	89.0	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	6.4	94.6	94	Very Effective
Yellow	93	77.5	22.5	6.8	93.2	92	Very Effective

The above results are typical averages from quality assurance testing and are not to be taken as a minimum specification nor as forming any contract 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.



7 x 19

### 7X19 Stainless Steel Cable

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

### 6X19/37 Class Stainless Steel Wire Rope

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

### 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



Stainless Steel Wire Rope Clips



Stainless Steel Jaw & Jaw Turnbuckle

DSA IDENTIFICATION STAMP

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 02-122384 INC:

REVIEWED FOR

SS  FLS  ACS

DATE: 04/29/2024



Shade

SUPERIOR SHADE  
150 Adamson Industrial Blvd.  
Carrollton, GA 30117

FABRIC CANOPIES DSA PC - BP  
SPECIFICATION INFORMATION

COPYRIGHT:  
THIS PLAN/DRAWING IS THE EXCLUSIVE  
PROPERTY OF THE MANUFACTURER AND MAY  
NOT BE USED OR REPRODUCED WHOLE OR  
IN PART WITHOUT THE WRITTEN PERMISSION  
FROM THE MANUFACTURER.

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: 02-120923 PC

REVIEWED FOR

SS  FLS  ACS  CG

DATE: 9/21/2023

SITE PROJECT NAME:

DISTRICT/OWNER:

LOCATION/ADDRESS:

Revisions

Date:	By:
12/18/2022	KJK
8/16/2023	KJK

Drawn: KJK  
Date: 12/8/2022  
Chkd: Zhisong Zhao  
Date: 1/19/2023  
Job Number:

SEAL:



S5  
Sheet No.

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC**  
 Application Number: School Name: School District:  
 DSA File Number: Increment Number: Date Created:

**2022 CBC**

**IMPORTANT:** This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and 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. No 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**

<b>1. TYPE</b>	<b>2. PERFORMED BY</b>
<b>Continuous</b> - Indicates that a continuous special inspection is required.	<b>GE (Geotechnical Engineer)</b> - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
<b>Periodic</b> - Indicates that a periodic special inspection is required.	<b>LOR (Laboratory of Record)</b> - Indicates that the test or special inspection shall be performed by the testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-35.
<b>Test</b> - Indicates that a test is required.	<b>PI (Project Inspector)</b> - Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	<b>SI (Special Inspection)</b> - Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 1 of 10

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

**Geotechnical Reports:** Project has a geotechnical report, or CDs indicate soils special inspection is required by GE

S1. GENERAL:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Verify that: - Site has been prepared properly prior to placement of controlled fill and/or excavations for foundation. - Foundation excavations are extended to proper depth and have reached proper material. - Materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
S2. SOIL COMPACTION AND FILL:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Perform classification and testing of fill materials.	Test	LOR	* Under the supervision of the geotechnical engineer.
<input checked="" type="checkbox"/> b. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (Refer to specific items identified in the Appendix (end of this form) for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil SI and test reporting requirements for the exempt items.)
<input checked="" type="checkbox"/> c. Compaction testing.	Test	LOR*	* Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix (end of this form) for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil test reporting requirements for the exempt items.)

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 2 of 10

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

**S3. DRIVEN DEEP FOUNDATIONS (PILES):**

Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/> b. Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable), record concrete or grout volumes.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/> c. Confirm adequate end static bearing capacity.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/> d. Concrete piers.			Provide tests and inspections per CONCRETE section below.

**S5. RETAINING WALLS:**

**S6. OTHER SOILS:**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 3 of 10

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

C1. CAST-IN-PLACE CONCRETE			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
<input checked="" type="checkbox"/> 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.)
<input checked="" type="checkbox"/> 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 26.5.8 & 26.12.
<input checked="" type="checkbox"/> d. Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
<input type="checkbox"/> 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 eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
<input type="checkbox"/> 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 (ON ADDITION TO SECTION C1):**

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

**C4. SHOTCRETE (ON ADDITION TO SECTION C1):**

**C5. POST-INSTALLED ANCHORS:**

**C6. OTHER CONCRETE:**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 4 of 10

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 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
<input checked="" type="checkbox"/> 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	LOR	Table 1705A.2.1 Item 3a, 3c, 200A.1; AISI S100-20 Section A3.1 & A3.2; AISI S240-20 Sections 4 & 5; AISI S220-20 Sections A4 & A4a; * By special inspector or qualified technician when performed off-site.
<input checked="" type="checkbox"/> b. Test unidentified materials.	Test	LOR	220A.1
<input checked="" type="checkbox"/> c. Examine seam welds of HSS shapes.	Periodic	SI	DSA IR 17-3.
<input checked="" type="checkbox"/> 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).
<input type="checkbox"/> 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
<input checked="" type="checkbox"/> 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.
<input checked="" type="checkbox"/> b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
<input checked="" type="checkbox"/> c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 5 of 10

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 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/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> 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 5, 4, 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
<input checked="" type="checkbox"/> 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.
<input type="checkbox"/> c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.2; DSA IR 17-3.
<input checked="" type="checkbox"/> 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.
<input type="checkbox"/> e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1905A.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:**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 6 of 10

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 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/A9. ANCHOR BOLTS AND ANCHOR RODS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
<input type="checkbox"/> b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

**S/A10. STORAGE RACK SYSTEMS:**

**S/A11. Other Steel**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 7 of 10

**Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections**  
 Application Number: School Name: School District:  
 DSA File Number: Increment Number: Date Created:

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

SOILS:

CONCRETE/MASONRY:

WELDING:

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 8 of 10

**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 using signed electronic or digital signatures.

**DSA STAMP**

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 9 of 10

**DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022**  
 Application Number: School Name: School District:  
 DSA File Number: Increment Number: Date Created:

- Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
- Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA  
 DGS Form 103-22 (Revised 12/01/2022) Page 10 of 10

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



DSA IDENTIFICATION STAMP  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122384 INC:  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 04/29/2024



**FABRIC CANOPIES DSA PC - BP EXAMPLE FORM DSA 103 - TESTS & INSPECTIONS**

COPYRIGHT:  
 THIS PLAN/DRAWING IS THE EXCLUSIVE PROPERTY OF THE MANUFACTURER AND MAY NOT BE USED OR REPRODUCED WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION FROM THE MANUFACTURER.

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: 02-120923-PC  
 REVIEWED FOR  
 SS  FLS  ACS  CG   
 DATE: 9/21/2023

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

Revisions		
Date:	By:	
0 12/18/2022	KJK	
1 8/16/2023	KJK	

Drawn: KJK  
 Date: 12/8/2022  
 Chkd: Zhisong Zhao  
 Date: 1/19/2023  
 Job Number:

**S6**  
 Sheet No.