AGENCY APPROVAL: DSA# 02-123841



LODI UNIFIED SCHOOL DISTRICT
LODI HIGH SCHOOL AGRICULTURAL COMPLEX

DECEMBER 9, 2025

CONSTRUCTION DOCUMENTS

FILE NO.39-H4
DSA APPLICATION #02-123841

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

196

1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 786-8178

CONSULTANTS

CIVIL ENGINEER
WARREN CONSULTING ENGINEERS, INC.
1117 Windfield Way, Ste. 110
El Dorado Hills, CA 95762
TEL (916) 985-1870 FAX (916) 985-1877

MECHANICAL ENGINEER
CAPITAL-ENGINEERING
11020 Sun Center Drive, Suite 100
Rancho Cordova, CA 95670
TEL (916) 851-3500

PROFESSIONAL STAMP

LICENSED ARCHITECT
MARIANNE ALVAREZ GARCIA
C-36107 12/02/2025
REN 01-31-27
STATE OF CALIFORNIA

REVISIONS
ORIGINAL ISSUE DATE: DECEMBER 9, 2025

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 South Pacific Ave.
Lodi, CA 95242

SHEET TITLE
COVER SHEET

SHEET ISSUE DATE: 12/02/25

DRAWN BY: xx JOB NUMBER: 24392.01

SHEET NO.
G-000

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 11/26/2025 11:59:50 AM FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt

AGENCY APPROVAL: DSA# 02-123841

LODI UNIFIED SCHOOL DISTRICT

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ABBREVIATIONS

@	AT	OC	ON CENTER
℄	CENTER LINE	OD	OUTSIDE DIAMETER
d	PENNY	OPNG	OPENING
0#	POUND	PL	PLATE OR PROPERTY LINE
⊥	PERPENDICULAR	PLAM	PLASTIC LAMINATE
∠	ANGLE	PLAS	PLASTER (NUMBER - SEE SPECS)
AB	ANCHOR BOLT		
AC	ASPHALTIC CONCRETE	PLYWD	PLYWOOD
ACT	ACOUSTICAL CEILING TILE	PNT	PAINT (NUMBER - SEE SPECS)
AFF	ABOVE FINISH FLOOR	PTDF	PRESSURE TREATED
ALT	ALTERNATE		DOUGLAS FUR
ALUM	ALUMINUM	QT	QUARRY TILE
ANOD	ANODIZED	RD	ROOF DRAIN
APPROX	APPROXIMATE	REF	REFRIGERATOR
ARCH	ARCHITECT OR ARCHITECTURAL	REINF	REINFORCE OR REINFORCING
		RH	ROUND HEAD
BD	BOARD	RM	ROOM
BLDG	BUILDING	RO	ROUGH OPENING
BLK(G)	BLOCK(ING)	RWD	REDWOOD
BOB	BOTTOM OF BEAM	S	SOUTH
BM	BEAM	SCH	SCHEDULE
CB	CATCH BASIN	SD	STORM DRAIN
CI	CAST IRON	SHR	SHOWER
CJ	CONSTRUCTION JOINT	SHT	SHEET
CLG	CEILING	SHTHG	SHEATHING
CLR	CLEAR	SIM	SIMILAR
	CONCRETE MASONRY	SMACNA	THE ARCH SHEET METAL MANUAL
CMU	UNIT		
CO	CLEAN OUT	SPEC	SPECIFICATION
COL	COLUMN	SQ	SQUARE
CONC	CONCRETE	SSTL	STAINLESS STEEL
CONT	CONTINUOUS	STD	STANDARD
CSK	COUNTERSINK	STL	STEEL
CW	COLD WATER	SUSP	SUSPENDED
⊏	CHANNEL	SYM	SYMMETRICAL
DBL	DOUBLE	TOB	TOP OF BEAM
DEPT	DEPARTMENT	TOC	TOP OF CURB OR TOP OF CONCRETE
DET	DETAIL		
DF	DRINKING FOUNTAIN	TCB	TOP OF CATCH BASIN
DIA	DIAMETER	TEL	TELEPHONE
DIAG	DIAGONAL	TEMP	TEMPERATURE OR TEMPERED
DN	DOWN	T&G	TONGUE & GROOVE
DS	DOWNSPOUT	TP	TOP OF PAVING
DWG	DRAWING	TS	STRUCTURAL TUBING
E	EAST	TV	TELEVISION
(E)	EXISTING	TOW	TOP OF WALL
EB	EXPANSION BOLT	TYP	TYPICAL (ITEMS TYPICAL UNLESS SHOWN OR NOTED OTHERWISE)
EJ	EXPANSION JOINT		
ELEV	ELEVATION		
ELEC	ELECTRIC(AL)	UON	UNLESS OTHERWISE NOTED
EP	EDGE OF PAVING	VCT	VINYL COMPOSITION TILE
EQ	EQUAL	VERT	VERTICAL
EQUIP	EQUIPMENT	VGDF	VERTICAL GRAIN DOUGLAS FIR
FWK	FLATWORK		
FD	FLOOR DRAIN	VTR	VENT THRU ROOF
FE(C)	FIRE EXTINGUISHER (& CABINET)	W	WEST
		WC	WATER CLOSET
FF	FINISHED FLOOR	W.C.	WHEELCHAIR ACCESSIBLE
FG	FINISHED GRADE	WD	WOOD
FH	FLAT HEAD OR FIRE HYDRANT	WF	WIDE FLANGE
		WH	WATER HEATER
FIN	FINISH	WP	WATERPROOF
FL	FLOW LINE	WS	WOOD SCREW
FLG	FLASHING	WSCT	WAINSCOT
FLR	FLOOR	WWF	WELDED WIRE FABRIC
FOC	FACE OF CONCRETE	W/	WITH
FOF	FACE OF FINISH	W/O	WITHOUT
FOM	FACE OF MASONRY		
FOS	FACE OF STUD		
FRP	FIBERGLASS REINFORCED PANEL		
FT	FOOT OR FEET		
FTG	FOOTING		
GA	GAUGE		
GALV	GALVANIZED		
GB	GRAB BAR, GRADE BREAK		
GL	GLASS		
GLB	GLUE LAMINATED BEAM		
GYP	GYPSUM		
GWB	GYPSUM WALL BOARD		
HB	HOSE BIBB		
HDR	HEADER		
HGT	HEIGHT		
HORIZ	HORIZONTAL		
HTR	HEATER		
HVAC	HEATING/VENTILATING/AIR CONDITIONING		
ID	INSIDE DIAMETER		
INSUL	INSULATION OR INSULATED		
INV	INVERT		
LAV	LAVATORY		
MATL	MATERIAL		
MAX	MAXIMUM		
MB	MACHINE BOLT		
MECH	MECHANICAL		
MFR	MANUFACTURE OR MANUFACTURER		
MH	MAN HOLE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MO	MASONRY OPENING		
N	NORTH		
(N)	NEW		
NIC	NOT IN CONTRACT		
NO OR #	NUMBER		
NTS	NOT TO SCALE		

PROJECT DESCRIPTION

THE PROJECT CONSISTS A NEW PRE-CHECKED NON-SCHOOL SHADE STRUCTURE/BARN SIZE 80'-0" X 35'-0".

THE SCOPE OF WORK INCLUDES:

- GRADE AREA AND PREPARE SITE FOR FUTURE CONCRETE PAD (APPROX 3,338 SF).
- NEW 64" X 98" 1000 GALLON PRECAST SEPTIC TANK RELATED SITE UTILITIES
- ASSOCIATED SITE WORK.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2022 TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).
2. THE PROJECT MANUAL AND SPECIFICATIONS IN CONJUNCTION WITH THESE DRAWINGS AND REFERENCES SHALL FORM A PART OF THE CONTRACT AND SHALL BE REFERRED TO AS THE "DOCUMENTS." THE DOCUMENTS DEFINE THE WORK TO BE PERFORMED AS AGREED TO IN THE CONTRACT
3. CHANGES TO 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, T24 CCR.
4. A DSA CERTIFIED **INSPECTOR CLASS 3** SHALL BE EMPLOYED BY THE DISTRICT AND SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTION ARE DEFINED IN SECTION 4-342, PART 1, T24, CCR.
5. APPARENT DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
6. ANY DIFFERENCE BETWEEN THE EXISTING CONSTRUCTION AS OBSERVED IN THE FIELD AND AS SHOWN ON THE DRAWING SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS.
8. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION PROJECT.
9. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE SUPERVISION OF THE CONSTRUCTION WORK TO ENSURE THAT IT IS BUILT IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE ARCHITECT WILL PROVIDE ONLY PERIODIC OBSERVATION OF THE WORK. SEE NOTE 4 FOR DSA INSPECTION REQUIREMENTS.
10. ANY DAMAGE DONE TO THE EXISTING CONSTRUCTION DURING THE COURSE OF THIS WORK SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE WITH NO ADDITIONAL COST TO THE OWNER.
11. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
12. THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24, 2022 CBC SECTION 1616A.1.18 AND ASCE-7-16 SECTION 13.6 ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON PLANS.
13. CUTTING, BORING, SAW CUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND THE STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE. ALL WELDING SHALL BE SPECIALLY INSPECTED BY AN AWS-CWI QUALIFIED INSPECTOR APPROVED BY DSA. ALL BRACING FOR DUCTS AND PIPING SHALL BE INSTALLED AS APPROVED BY DSA. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, MECHANICAL ENGINEER AND FIELD ENGINEER. A COPY OF THE DRAWINGS APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.
14. 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, CALIFORNIA CODE OF REGULATIONS. 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, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
15. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
16. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COMPLY WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
17. DO NOT SCALE DRAWINGS, DIMENSIONS SHOWN SHALL TAKE PRECEDENCE OVER DRAWING SCALE. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF THE CALIFORNIA BUILDING CODE AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA, IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
18. TITLE 24 PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION
19. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
20. PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING.

APPLICABLE CODES AND STANDARDS

PARTIAL LIST OF APPLICABLE CODES, EFFECTIVE DATE: JANUARY 2023 WITH JULY 2024 SUPPLEMENT*

2025 CALIFORNIA ADMINISTRATIVE CODE - CCR, TITLE 24, PART 1

2022 CALIFORNIA BUILDING CODE (CBC) - CCR, TITLE 24, PART 2
2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS

2022 CALIFORNIA ELECTRICAL CODE - CCR, TITLE 24, PART 3
2021 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS

2022 CALIFORNIA MECHANICAL CODE [CMC] - CCR, TITLE 24, PART 4
2021 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS

2022 CALIFORNIA PLUMBING CODE [CPC] - CCR, TITLE 24, PART 5
2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS

2022 CALIFORNIA ENERGY CODE - CCR, TITLE 24, PART 6

2022 CALIFORNIA FIRE CODE [CFC] - CCR, TITLE 24, PART 9
2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE [CALGREEN] CCR,TITLE 24,PART 11

2022 CALIFORNIA REFERENCED STANDARDS CODE - CCR, TITLE 24, PART 12 (PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS)

ASME A17.1 / CSA B44-16 SAFETY CODE FOR ELEVATORS AND ESCALATORS *PER 2022 CBC PART 2 CH 35) - CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION*

PARTIAL LIST OF APPLICABLE ADDITIONAL CODES AND STANDARDS AS OF: JANUARY 2023

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO: 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80. SEE CBC CHAPTER 35 FOR CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

NFPA 10-21	STANDARD FOR PORTABLE FIRE EXTINGUISHERS
NFPA 12-15	STANDARD ON CARBON DIOXIDE EXTINGUISHING SYSTEMS
NFPA 12A-18	STANDARD ON HALON 1301 FIRE EXTINGUISHING SYSTEMS
NFPA 13-22	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (AS AMENDED)
NFPA 14-19	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
NFPA 17-21	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS
NFPA 17A-21	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS
NFPA 20-19	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
NFPA 24-19	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (AS AMENDED)
NFPA 72-22	NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)
NFPA 80-19	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES
UL 300-2005 (R2010)	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT
UL 464-03	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS,INCLUDING ACCESSORIES
UL 521-99	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS
UL 1971-2002 (R2010)	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED

STATE FIRE MARSHAL REGULATIONS (CALIFORNIA CODE OF REGULATIONS, TITLE 19)

CALIFORNIA OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION [CAL-OSHA]

OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION [OSHA] HAZARD COMMUNICATION STANDARD

2010 AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN

WORK EXEMPT BY DESIGN PROFESSIONAL

SOILS

■ 1. Deep foundations acting as a cantilever footing designed based on minimum allowable pressures per CBC Table 1806A.2 and having no geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.

■ 2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

CONCRETE/ MASONRY

■ 1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding") given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding."

■ 2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.

■ 3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1.16. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.

■ 4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

■ 5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section

WELDING

■ 1. Solid-clad and open-mesh gates with maximum leaf span or rolling section for rolling gates of 10' and apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.

■ 2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.

■ 3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' Opening in a 15' tall wall for a header or king stud.

■ 4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).

■ 5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).

■ 6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 located in the Steel/Aluminum category).

■ 7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

SHEET INDEX

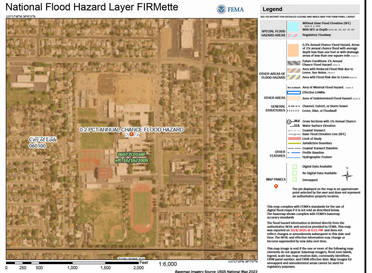
SHEET #	SHEET NAME	REV #	DATE
1. OVERALL GENERAL INFORMATION			
G-000	COVER SHEET		
G-001	TITLE SHEET		
G-101	SITE ACCESSIBILITY PLAN		
GENERAL SHEETS TOTAL: 3			
2. CIVIL ENGINEERING			
C0.0	CIVIL COVER SHEET		
C0.1	TOPOGRAPHIC SURVEY		
C1.1	DEMOLITION PLAN		
C2.1	GRADING PLAN		
C2.2	GRADING PLAN		
C3.1	UTILITY PLAN		
C4.1	PAVING & STRIPING PLAN		
C5.1	DETAILS		
C5.2	DETAILS		
C6.1	EROSION CONTROL PLAN		
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A-102	SITE ELEVATIONS AND DETAILS		
A-201	FLOOR PLAN & RCP PLAN		
A-401	BUILDING SECTIONS		
ARCHITECTURAL SHEETS TOTAL: 4			
4. MECHANICAL ENGINEERING			
M-001	MECHANICAL LEGENDS, NOTES, SCHEDULES & DETAILS		
M-201	MECHANICAL FLOOR PLAN		
MECHANICAL SHEETS TOTAL: 2			
5. PLUMBING ENGINEERING			
P-001	PLUMBING LEGEND, NOTES & SCHEDULES		
P-201	PLUMBING FLOOR PLAN		
PLUMBING SHEETS TOTAL: 2			
6. ELECTRICAL ENGINEERING			
E-001	ELECTRICAL COVER SHEET		
E-002	ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES		
E-101	ELECTRICAL SITE PLAN		
E-102	ENLARGED ELECTRICAL SITE PLAN		
E-201	ELECTRICAL FLOOR PLANS		
E-300	ELECTRICAL DETAILS		
E-400	TITLE 24 - LTI FORMS		
ELECTRICAL SHEETS TOTAL: 7			
7. PC DRAWINGS (PC #02-122224)			
S-1	COVER SHEET		
S-2	GENERAL DATA		
S-3	GENERAL NOTES		
S-4	SAMPLE DSA-103 FORMS		
S-5	PROPERTIES & REBAR DETAILS		
S-6	VC14, VC18, VC20, VC24, VC28 & VC30 FRAMING PLAN & ELEVATIONS		
S-7	VC14, VC18, VC20, VC24, VC28 & VC30 FRAMING SCHEDULES		
S-10	PIER FOUNDATION & SPREAD FOOTING SCHEDULES		
S-11	STANDARD DETAILS 1		
S-12	STANDARD DETAILS 2		
S-13	STANDARD DETAILS 3		
PC DRAWINGS SHEETS TOTAL: 11			
OVERALL SHEET TOTAL: 39			

DEFERRED SUBMITTALS

NONE

Flood Hazard

National Flood Hazard Layer FIRMette



STATEMENT OF GENERAL CONFORMANCE

THE DRAWINGS SHEETS LISTED BELOW ON THE SHEET INDEX OF THIS COVER HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT, AND IT 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
2. 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 EDUCATION CODE, AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1 (*TITLE 24, PART 1, SECTION 4-317 (B)*)".

I FIND THAT: ■ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET NOT BEARING MY STAMP AND SIGNATURE
☐ THIS DRAWING OR PAGE

■ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND
■ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE	DATE
	12/02/2025

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE:
MARIANA ALVAREZ-PARGA
PRINT NAME

LICENSE NUMBER	EXPIRATION DATE
C 36107	1/31/27

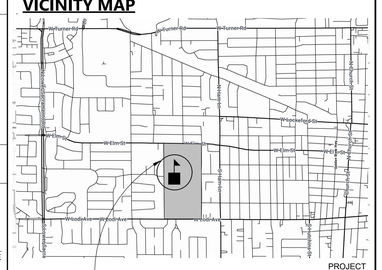
☐ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND
☐ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE	DATE

ARCHITECT OR ENGINEER DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK:
PRINT NAME

LICENSE NUMBER	EXPIRATION DATE

VICINITY MAP



PROJECT LOCATION

LODI HIGH SCHOOL
3 South Pacific Avenue
Lodi, CA 95242

ADD ALTERNATE NOTES

1. BID ALTERNATE #1: ELECTRICAL RUN TO NEW PB 5' OFF THE SHADE STUCTURE.
2. BID ALTERNATE #2: PROVIDE POWER TO THE SHADE STRUCTURE.
3. BID ALTERNATE #3: PROVIDE LIGHTS AND CEILING FANS.
4. BID ALTERNATE #4: UPDATE RESTROOM TO ACCESSIBLE STANDARDS.
5. BID ALTERNATE #5: PROVIDE CONCRETE PAD AND CURBS AT SHADE STRUCTURE.
6. BID ALTERNATE #6: PROVIDE SEPTIC TANK, ASSOCIATED DRAINS, AND WORK.
7. BID ALTERNATE #7: PROVIDE PLUMBING AND ASSOCIATED UTILITIES.

SYMBOLS

VIEW REFERENCES

- 1 / A101 — SIM — VIEW REFERENCE / SHEET REFERENCE
- 1 / A101 — SIM — DETAIL VIEW
- 1 / A101 — TYP. — SECTION VIEW
- 1 / A101 — SIM — ENLARGED VIEW
- 1A — 1A / A-101 / 1A — INTERIOR ELEVATION — VIEW REFERENCE / SHEET REFERENCE
- 1A
- 99 / A1-100 — EXTERIOR ELEVATION

DRAFTING ITEMS

- DATUM - CONTROL POINT
- DIMENSION LINE AND TICK
- MATCHLINE - SEE: 1 / A101
- BREAK LINE
- 01.23 A — KEYNOTE
- Name / Elevation — PROJECT LEVEL MARKER
- 0 — COLUMN GRID MARKER
- CMNT # — REVISION CLOUD / REVISION TAG
- PROJECT NORTH — PROJECT NORTH ARROW

PROFESSIONAL STAMP

LICENSED ARCHITECT — MARIANA ALVAREZ-PARGA — C-36107 — 12/02/2025 — REN. 01-31-27 — STATE OF CALIFORNIA

REVISIONS		ORIGINAL ISSUE DATE: DECEMBER 9, 2025
NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 South Pacific Ave.
Lodi, CA 95242

SHEET TITLE

TITLE SHEET

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.

G-001

CONSULTANTS

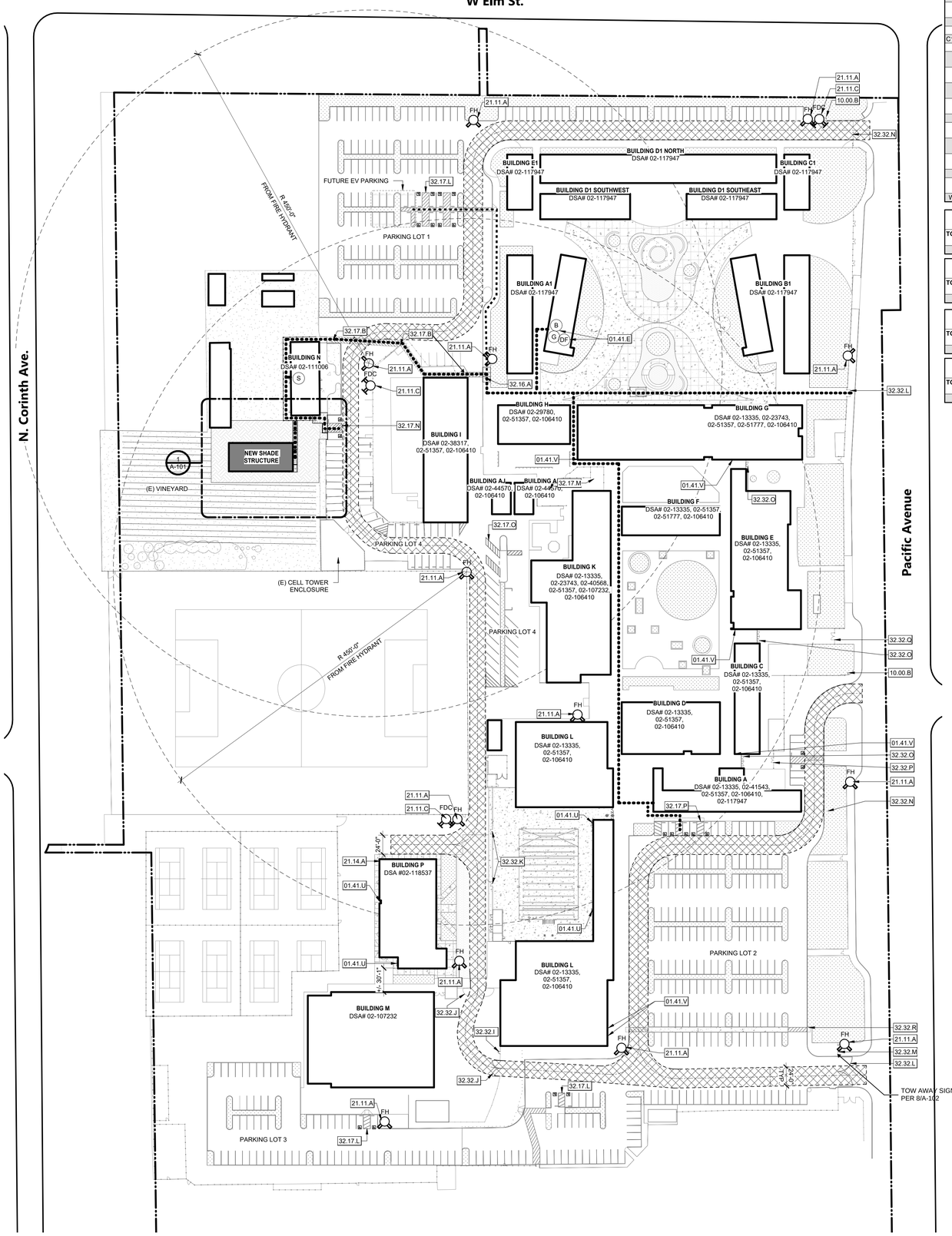
CIVIL ENGINEER
WARREN CONSULTING ENGINEERS, INC.
1117 Windfield Way, Ste. 110
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DATE PLOTTED: 12/2/2025 2:35:06 PM FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt

CONSTRUCTION DOCUMENTS

AGENCY APPROVAL: DSA# 02-123841



EXISTING BUILDING INFORMATION

UNIT	DESCRIPTION	STORIES	BLDG. AREA ACTUAL UNIT AREA	OCCUPANCY	CONSTRUCTION TYPE	SPRINKLER	D.S.A.#
A	ADMINISTRATION	1	6,226 SF	E	V-B	No	02-13335, 02-41543, 02-51357, 02-106410, 02-117947
A1	CLASSROOM BUILDING	2	12,319 SF	E	V-B	Yes	02-117947
AJ	CLASSROOM BUILDING - RELOCATABLE	1	960 SF	E	V-B	No	02-44570, 02-106410
AK	CLASSROOM BUILDING - RELOCATABLE	1	960 SF	E	V-B	No	02-44570, 02-106410
B1	CLASSROOM BUILDING	2	12,319 SF	E	V-B	Yes	02-117947
C	ADMINISTRATION	1	4,530 SF	E	V-B	No	02-13335, 02-51357, 02-106410
C1/D1/E1	CLASSROOM BUILDING	2	3,750 SF	E	V-B	Yes	02-117947
D	LIBRARY	1	8,060 SF	E	V-B	No	02-13335, 02-51357, 02-106410
E	CLASSROOM BUILDING - THEATER	1	4,520 SF	A2.1	V-B	No	02-13335, 02-51357, 02-106410
E	CLASSROOM BUILDING - SCIENCE	1	9,883 SF	E	V-B	No	02-13335, 02-51357, 02-106410
F	CLASSROOM BUILDING - HOME ECON	1	4,381 SF	E	V-B	No	02-13335, 02-51357, 02-51777, 02-106410
G	CLASSROOM BUILDING - SCIENCE	1	19,960 SF	E	III-B	No	02-13335, 02-23743, 02-51357, 02-51777, 02-106410
H	CLASSROOM BUILDING	1	5,784 SF	E	V-B	No	02-29780, 02-51357, 02-106410
I	CLASSROOM BUILDING - SHOPS	1	11,100 SF	E	V-B	No	02-38317, 02-51357, 02-106410
K	CAFETERIA & MUSIC	1	17,624 SF	A2.1/E	V-B	No	02-13335, 02-23743, 02-40568, 02-51357, 02-107232, 02-106410
L	GYMNASIUM & CLASSROOMS	1	34,585 SF	A-2.1	V-B	No	02-13335, 02-51357, 02-106410
M	GYM	1	15,199 SF	A-2.1	II-1 HR	No	02-107232
N	CLASSROOM BUILDING - AG SCIENCE	1	3,312 SF	E	V-B	Yes	02-111006
WALKS	COVERED WALKWAYS	1	32,831 SF	N/A	V-B	No	02-13335; 02-23743

EXISTING STAFF PARKING LOT 01 - ANALYSIS

TOTAL NUMBER OF STALLS	NUMBER OF ACC. STALLS REQUIRED	NUMBER OF ACC. STALLS PROVIDED	NUMBER OF VAN ACC. STALLS REQUIRED	NUMBER OF VAN ACC. STALLS PROVIDED
145	5	8	1	1

EXISTING STUDENT PARKING LOT 02 - ANALYSIS

TOTAL NUMBER OF STALLS	NUMBER OF ACC. STALLS REQUIRED	NUMBER OF ACC. STALLS PROVIDED	NUMBER OF VAN ACC. STALLS REQUIRED	NUMBER OF VAN ACC. STALLS PROVIDED
149	5	5	1	1

EXISTING STUDENT PARKING LOT 03 - ANALYSIS

TOTAL NUMBER OF STALLS	NUMBER OF ACC. STALLS REQUIRED	NUMBER OF ACC. STALLS PROVIDED	NUMBER OF VAN ACC. STALLS REQUIRED	NUMBER OF VAN ACC. STALLS PROVIDED
139	5	4	1	1

EXISTING STAFF PARKING LOT 04 - ANALYSIS

TOTAL NUMBER OF STALLS	NUMBER OF ACC. STALLS REQUIRED	NUMBER OF ACC. STALLS PROVIDED	NUMBER OF VAN ACC. STALLS REQUIRED	NUMBER OF VAN ACC. STALLS PROVIDED
61	3	4	1	2

KEYNOTES

01.41.E	(E) ACS RESTROOMS & DRINKING FOUNTAINS (DSA #02-117947)
01.41.U	(E) ACS DRINKING FOUNTAIN
01.41.V	ACCESSIBLE RESTROOM ROUTE SIGN RE: 8 / G0.12
10.00.B	(E) TOW AWAY SIGN (DSA# 02-119747)
21.11.A	(E) FIRE HYDRANT
21.11.C	(E) FIRE DEPARTMENT CONNECTION (FDC)
21.14.A	(E) FIRE RISER LOCATION
32.16.A	(N) ACS CURB, RAMP AND DETECTABLE WARNING SURFACE. SCD
32.17.B	VERIFY CONDITIONS OF (E) DETECTABLE WARNING SURFACE; 36" X WIDTH OF WALKWAY PER DETAIL 6/C5.1
32.17.L	(E) ACS PARKING (DSA #02-117947)
32.17.M	(E) BICYCLE PARKING
32.17.N	(E) ACS PARKING (DSA #02-115316)
32.17.O	(E) ACS PARKING (APP#02-107232)
32.17.P	(E) ACS PARKING, CURB RAMP AND DETECTABLE WARNING (DSA #02-117947)
32.32.I	(E) PEDESTRIAN GATE (DSA #02-107232, 02-115254)
32.32.J	(E) FIRE ACCESS GATES W/ KNOX BOX (DSA #02-107232)
32.32.K	(E) ACCESS GATE (DSA #02-118537)
32.32.L	(E) ACCESS GATE W/ KNOX BOX (DSA #02-117947)
32.32.M	(E) PEDESTRIAN GATE (DSA #02-51357)
32.32.N	(E) ACCESS GATE W/ KNOX BOX
32.32.O	(E) DOOR (DSA #02-13335, 02-106410)
32.32.P	(E) PEDESTRIAN GATE (DSA #02-117947)
32.32.Q	(E) MAIN ENTRY PEDESTRIAN GATE
32.32.R	(E) CURBS RAMPS AND DETECTABLE WARNINGS (DSA #02-117947)

SITE PLAN GENERAL NOTES

1. ALL NEW CONCRETE AND AC PAVING IN P.O.T. SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTIONS U.N.O. AND SHALL HAVE FLUSH TRANSITIONS TO ALL ADJACENT NEW AND EXISTING WALK SURFACES IN P.O.T .
2. ALL LANDSCAPE EDGES ALONG ALL NEW OR EXISTING WALK SURFACES IN P.O.T. SHALL BE PER CIVIL DRAWINGS.
3. FOR GRATINGS OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY OR IN P.O.T., THE MAXIMUM GRATE OR STRAINER OPENINGS SHALL NOT EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
4. THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

LEGEND - SITE PLAN

- ASSUMED PROPERTY LINE
- LIMITS OF WORK
- SHADE STRUCTURE EXEMPT FROM DSA REVIEW PER IR A-22 ITEM A18. (1 / A-101)
- (E) BUILDING
- (N) CONCRETE PAVING
- (E) CONCRETE PAVING
- (E) FIRE LANE
- (E) LANDSCAPING
- DIRT
- (DF) (E) ACCESSIBLE DRINKING FOUNTAINS
- (S) (E) ACCESSIBLE STAFF RESTROOMS SEE 3/A-201
- (G) (E) ACCESSIBLE GIRLS' RESTROOMS
- (B) (E) ACCESSIBLE BOYS' RESTROOMS
- **PATH OF TRAVEL (P.O.T.)**
  - AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE
  - IS AT LEAST 48" WIDE.
  - NO ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.
  - THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH.
  - PASSING SPACES (11B-403.2) AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART.
  - PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (11B-403.7) NOT MORE THAN 400' APART.
  - THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED.
  - (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
  - ARCHITECT SHALL VERIFY PATH OF TRAVEL CONFORMS WITH THE ABOVE.
- X—X—X—X (N) CHAIN LINK FENCE LINE
- X—X—X—X (E) CHAIN LINK FENCE LINE
- FH (E) FIRE HYDRANT
- FDC (E) FIRE DEPARTMENT CONNECTION

PROJECT NORTH

1" = 60'
0 60' 120'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

196
1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 786-8178

CONSULTANTS

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11020 Sun Center Drive, Suite 100
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PROFESSIONAL STAMP

LICENSED ARCHITECT — MARIANA ALVARADO REGA — C-36107 — 12/02/2025 — REN: 01-31-27 — STATE OF CALIFORNIA

REVISIONS (A) ORIGINAL ISSUE DATE: DECEMBER 9, 2025

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX

3 South Pacific Ave.
Lodi, CA 95242

SHEET TITLE

SITE ACCESSIBILITY PLAN

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.

G-101

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 12/2/2025 3:14:32 PM FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt

AGENCY APPROVAL: ---- ----

ABBREVIATIONS

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

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

LEGEND

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

PROPOSED GRADING & DRAINAGE SYMBOLS:

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

PROPOSED SANITARY SEWER SYMBOLS:

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

PROPOSED WATER SYMBOLS:

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

GENERAL NOTES

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

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

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

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

CIVIL SHEET INDEX

C0.0	CIVIL COVER SHEET
C0.1	TOPOGRAPHIC SURVEY
C1.1	DEMOLITION PLAN
C2.1	GRADING PLAN
C2.2	GRADING PLAN
C3.1	UTILITY PLAN
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C5.1	DETAILS
C5.2	DETAILS
C6.1	EROSION CONTROL PLAN

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PROFESSIONAL STAMP

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

REVISIONS ORIGINAL ISSUE DATE: ----

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PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

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Lodi, CA 95240

LODI HIGH SCHOOL
AG BARN FACILITY

3 South Pacific Ave.
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SHEET TITLE
CIVIL COVER SHEET

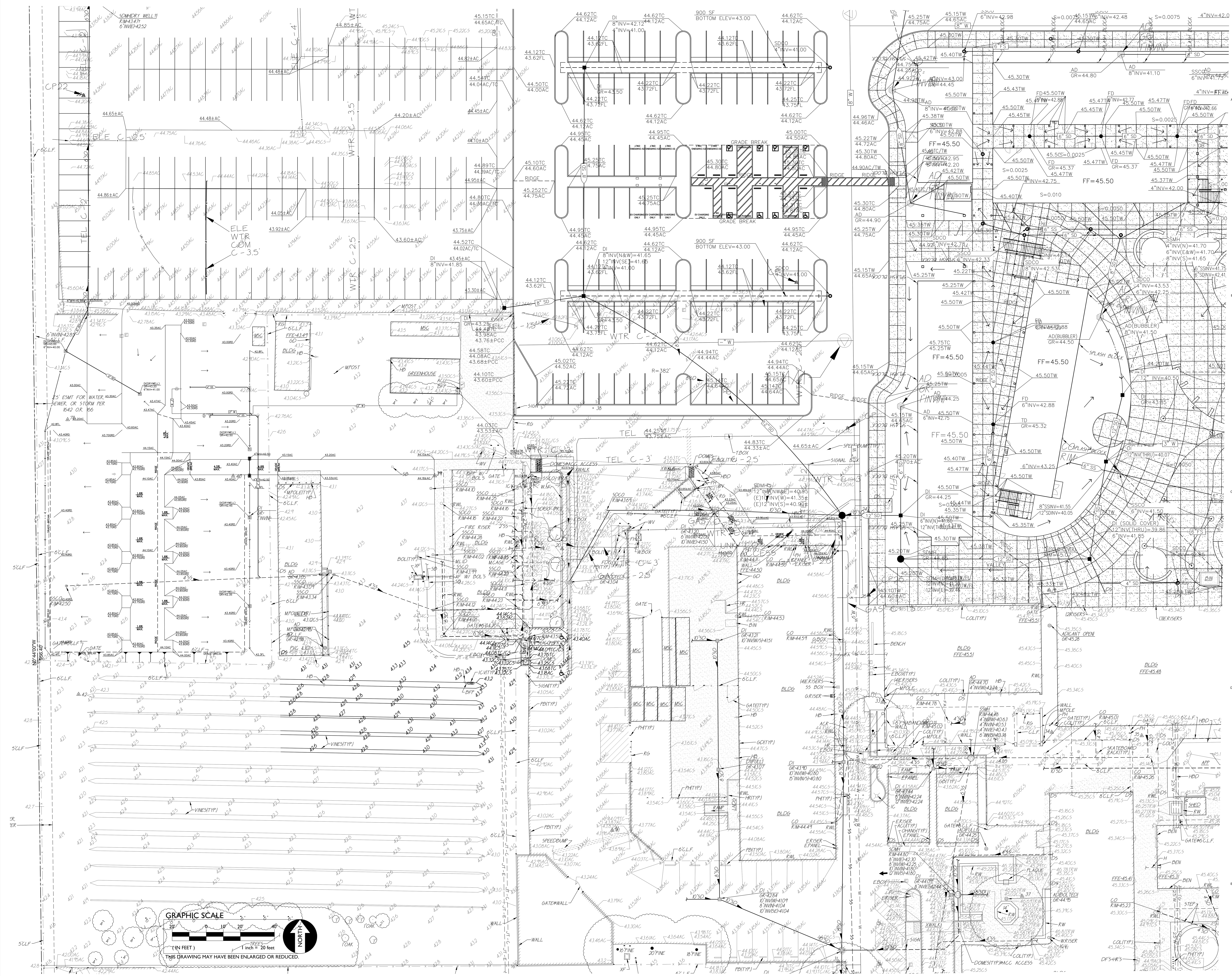
SHEET ISSUE DATE: 11/13/25

DRAWN BY: GV/ML JOB NUMBER: 24392.01

SHEET NO.
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SHEET TITLE
TOPOGRAPHIC SURVEY

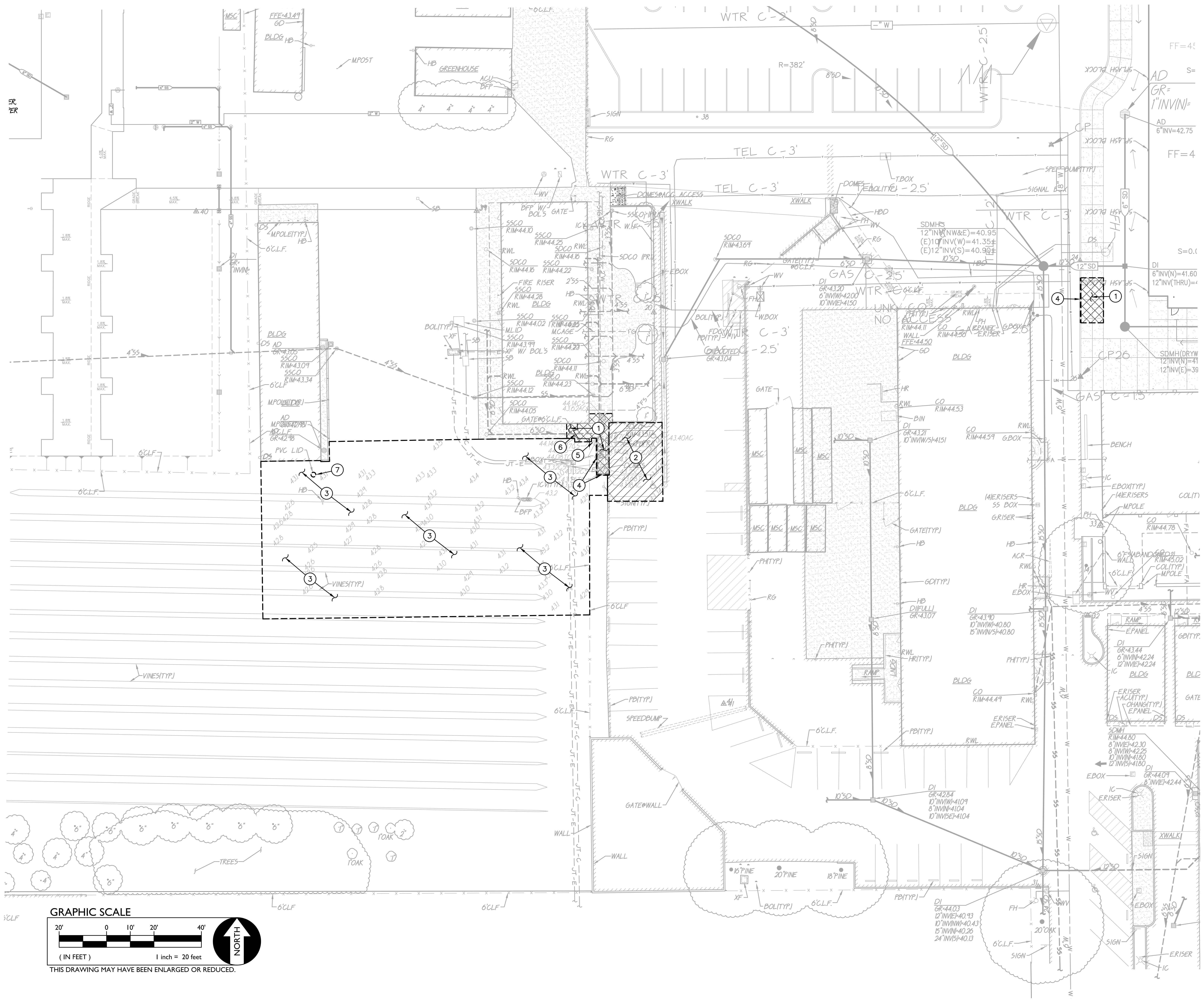
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GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

DEMOLITION GENERAL NOTES

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

◯ DEMOLITION NOTES

1. REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
2. REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND AGGREGATE BASE. WHERE SAWCUT EDGES ARE SHOWN, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
3. REMOVE AND DISPOSE OF TURF/VEGETATION AS REQUIRED TO ALLOW FOR PROPOSED CONSTRUCTION. IRRIGATION PIPING AND SPRINKLER HEADS IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED OUTSIDE OF NEW WORK TO ALLOW FOR CONTINUED COVERAGE OF TURF. PATCH BACK TURF AREAS DAMAGED/REMOVED FOR CONSTRUCTION WITH NEW SOD AND/OR MULCH TO MATCH EXISTING CONDITIONS.
4. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB.
5. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTINGS.
6. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS GATES AND FOOTINGS TO EXTENT SHOWN.
7. REMOVE AND DISPOSE OF EXISTING SEPTIC TANK AND ASSOCIATED SEWER LINES.

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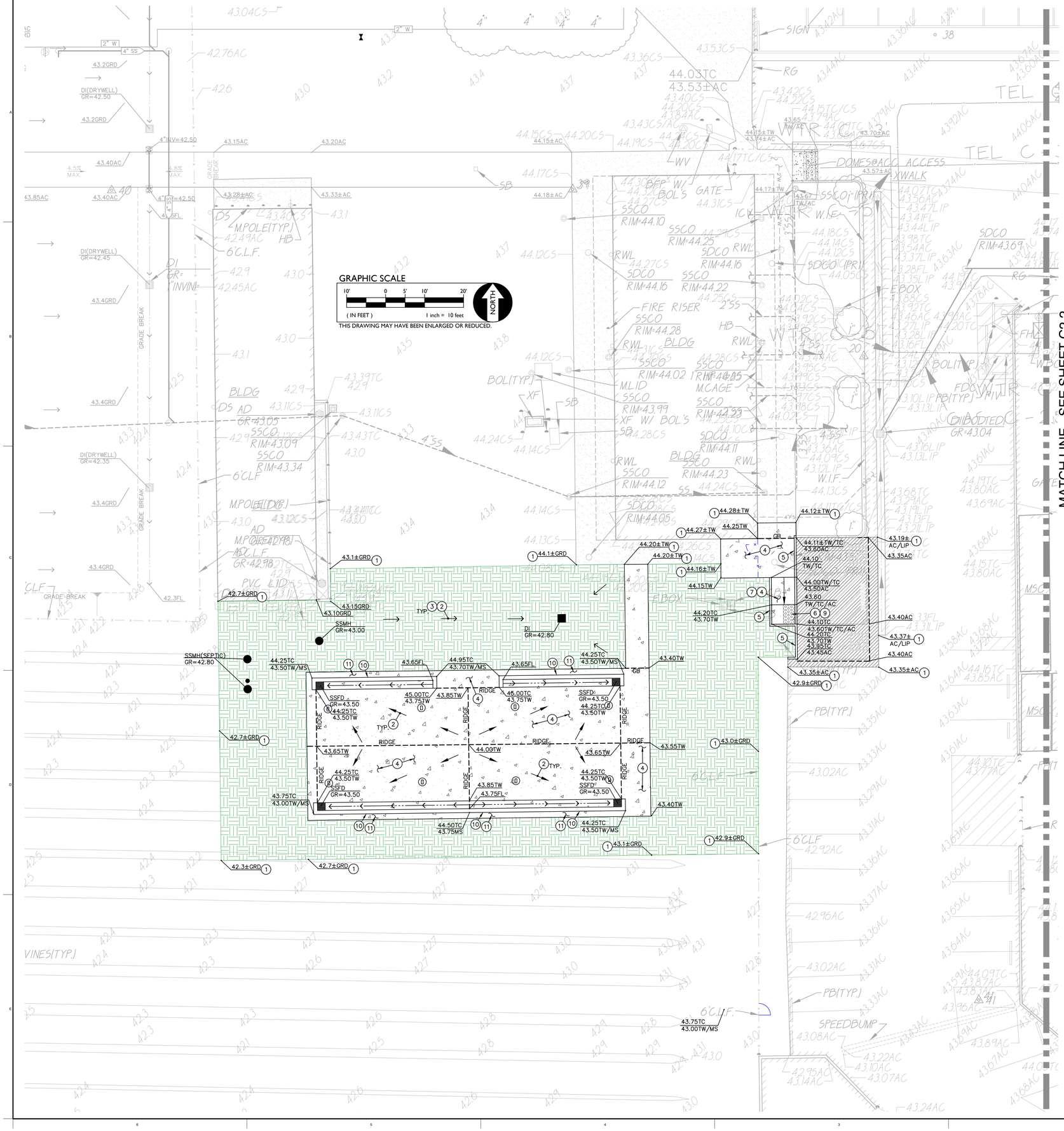
SHEET TITLE
DEMOLITION PLAN

SHEET ISSUE DATE: -----

DRAWN BY: ---- JOB NUMBER: ----

SHEET NO.
C1.1

FILENAME: I:\25-081\CIVIL\DWG\25-081-C1.1.DWG



GRADING NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

1. MATCH EXISTING GRADE/ELEVATION.
2. GRADE UNIFORMLY.
3. CONSTRUCT SWALE.
4. CONSTRUCT SIDEWALK PER (1 / C5.1)
5. CONSTRUCT CONCRETE CURB PER (2 / C5.1)
6. CONSTRUCT CONCRETE FLUSH CURB PER (3 / C5.1)
7. CONSTRUCT TYPE 1 CURB RAMP PER (4 / C5.1)
8. CONSTRUCT TYPE 2 CURB RAMP PER (5 / C5.1)
9. CONSTRUCT TRUNCATED DOMES PER (6 / C5.1)
10. CONSTRUCT VARIABLE HIEGHT CURB PER. (13 / C5.1)
11. CONSTRUCT 18" CONCRETE APRON PER. (14 / C5.1)

PAVING GENERAL NOTES:

1. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
2. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
3. SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

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

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

AGENCY APPROVAL: ---- ----

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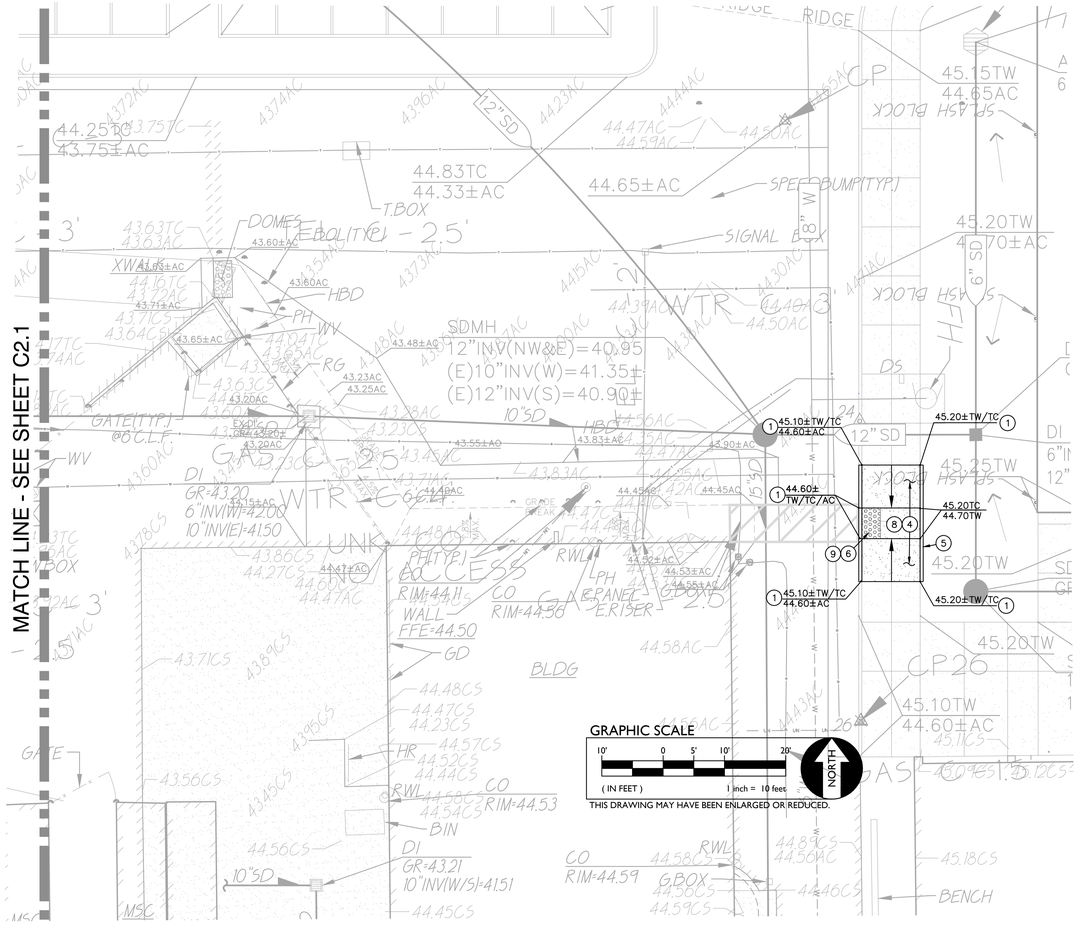
SHEET TITLE
GRADING PLAN

SHEET ISSUE DATE: 11/13/25

DRAWN BY: GV/ML JOB NUMBER: 24392.01

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C2.1

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GRADING NOTES

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1. MATCH EXISTING GRADE/ELEVATION.
2. GRADE UNIFORMLY.
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PAVING GENERAL NOTES:

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2. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
3. SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

   CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
   DIRECTION OF TRAVEL – 4.9%
   RAMP IN DIRECTION OF TRAVEL – 8.0%
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5. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

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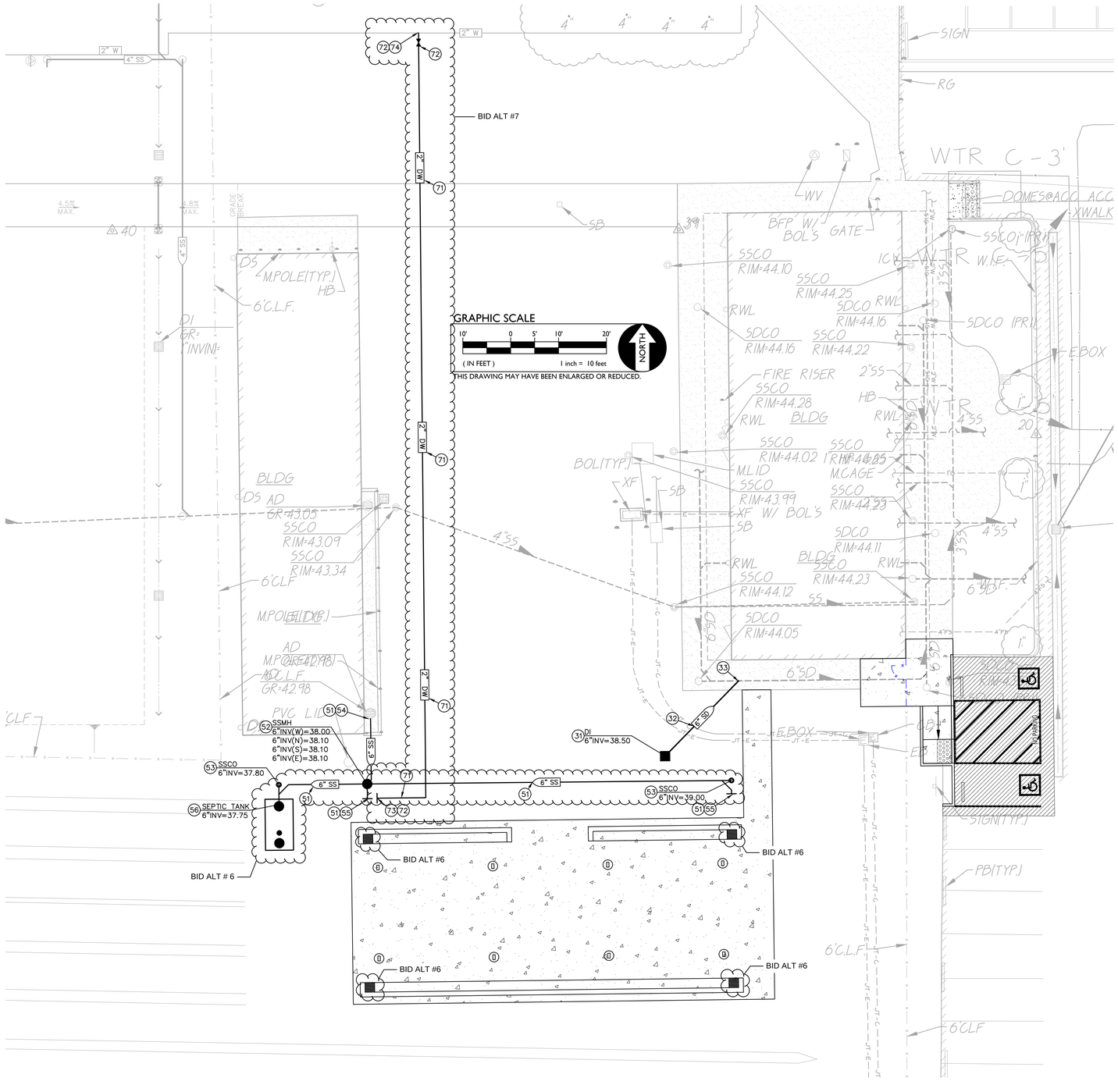
GRADING PLAN

SHEET ISSUE DATE: -----

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SHEET NO.

C2.2



DOMESTIC WATER NOTES

71. PLACE 2" WATER PIPE PER (7 / C5.1)
72. PLACE GATE VALVE AND VALVE BOX. SIZE TO MATCH LINE SIZE. (8 / C5.1)
73. CONNECT TO BUILDING DOMESTIC WATER SERVICE. COORDINATE EXACT LOCATION AND DEPTH AT BUILDING PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
74. CONNECT TO EXISTING WATER LINE. FIELD VERIFY EXACT DEPTH AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

SEWER NOTES

51. PLACE 6" SEWER PER (9 / C5.1)
52. CONSTRUCT SEWER MANHOLE PER (15 / C5.1) (10 / C5.1)
53. CONSTRUCT SEWER CLEANOUT PER
54. CONNECT TO EXISTING SEWER LINE OR STRUCTURE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
55. CONNECT TO BUILDING SEWER SERVICE. COORDINATE EXACT LOCATION AND DEPTH AT BUILDING PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
56. PROVIDE 1000 GALLON JENSEN PRECAST SEPTIC TANK OR APPROVED EQUAL, INSTALLED PER MANUFACTURE'S STANDARDS AND SPECIFICATIONS.

DRAINAGE NOTES

31. CONSTRUCT DRAIN INLET PER (11 / C5.1) (9 / C5.1)
32. PLACE 6" STORM DRAIN PER
33. CONNECT TO EXISTING STORM DRAIN. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

AGENCY APPROVAL: ---- ----

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

196

1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 786-8178

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

CONSULTANTS

CIVIL ENGINEER
Warren Consulting Engineers
1117 Windfield Way. Suite 110
El Dorado Hills, CA 95762
TEL (916) 985-1870

PROFESSIONAL STAMP

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

REVISIONS
ORIGINAL ISSUE DATE: ----

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL
AG BARN FACILITY

3 South Pacific Ave.
Lodi, CA 95242

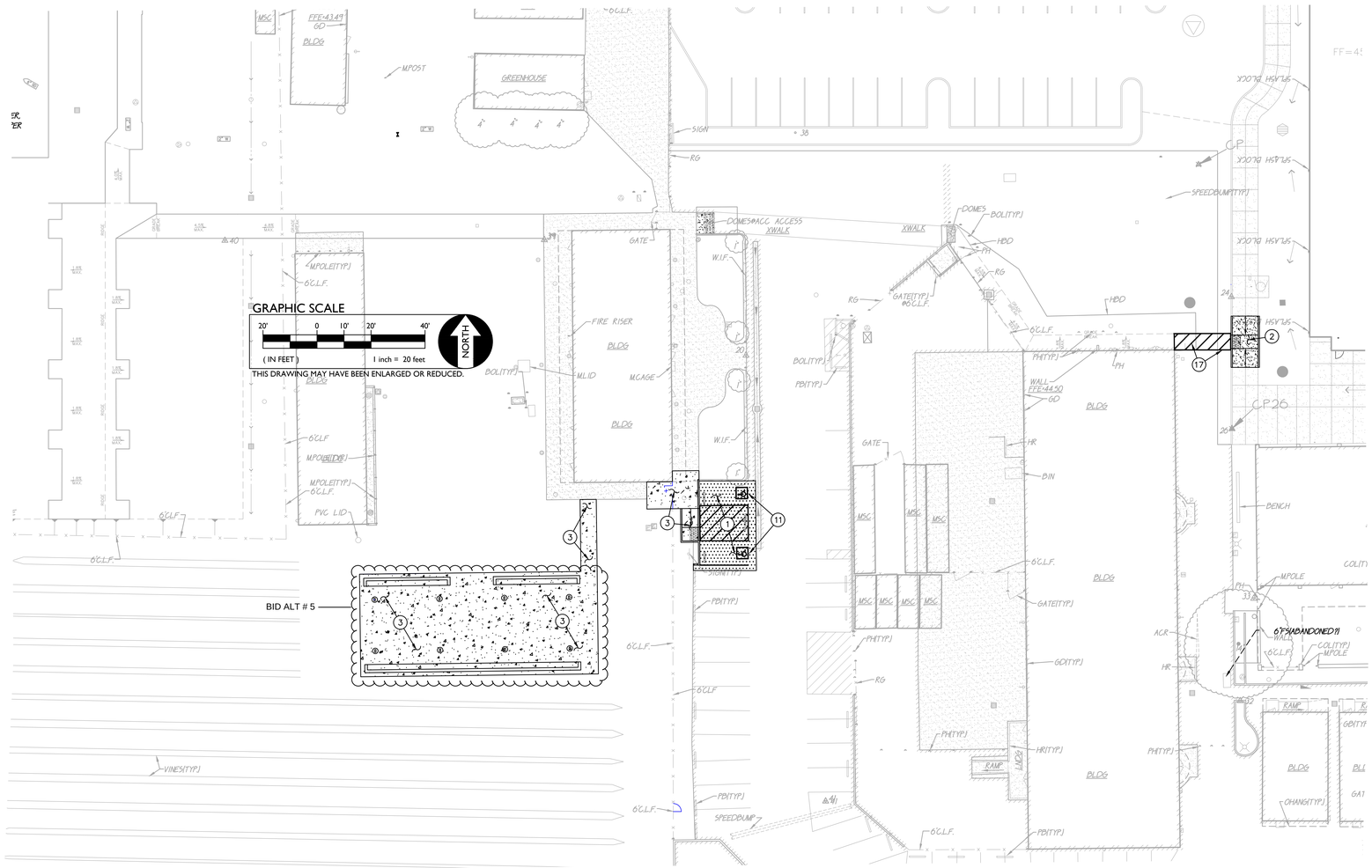
SHEET TITLE
UTILITY PLAN

SHEET ISSUE DATE: 11/13/25

DRAWN BY: GV/ML JOB NUMBER: 24392.01

SHEET NO.
C3.1

FILENAME: I:\25-081\CIVIL\DWG\25-081-C3.1.DWG



PAVING GENERAL NOTES:

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

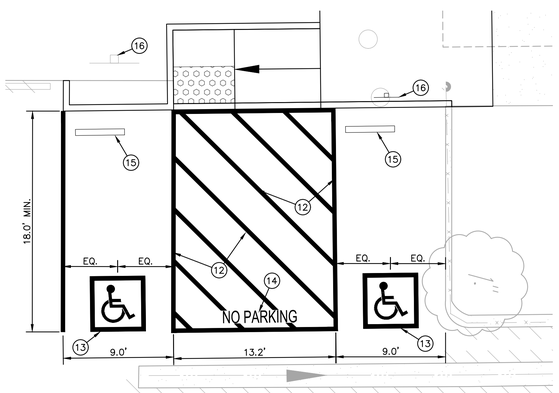
PAVING LEGEND

1. TYPE 1 PAVING
   PLACE 2.5" AC OVER 10" CLASS II AB ON SUBGRADE COMPACTED PER SPECIFICATIONS.
2. TYPE 2 PAVING
   PLACE 5" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 4" CLASS II AB ON SUBGRADE COMPACTED PER SPECIFICATIONS.
3. TYPE 3 PAVING
   PLACE 6" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 4" CLASS II AB ON COMPACTED SUBGRADE.

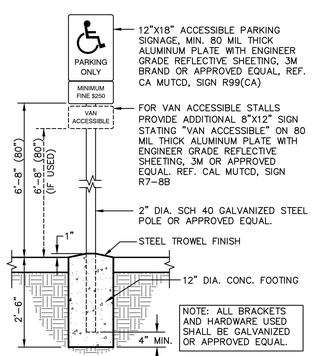
ATTENTION: MIN. 30 DAY CURE TIME OF ASPHALT IS REQUIRED BY SPECIFICATION SECTION 32 12 00, 3.04A PRIOR TO THE PLACEMENT OF SEALCOAT. IF CURE TIME CANNOT BE PROVIDED DUE TO SCHEDULE, TEMPORARY STRIPING SHALL BE REQUIRED.

STRIPING NOTES

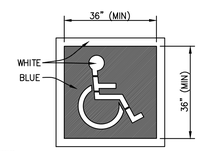
11. PAINT ACCESSIBLE PARKING STALLS PER (1 / C4.1)
12. PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING AREA WITH WHITE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.
13. PAINT ACCESSIBLE PARKING STALL LEGEND PER (3 / C4.1)
14. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
15. PLACE 48" LONG CONCRETE WHEEL STOP PER (4 / C4.1)
16. INSTALL ACCESSIBLE PARKING SIGN PER (2 / C4.1)
17. PAINT 4" WIDE BLUE STRIPING WITH WHITE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.



1 / C4.1 ACCESSIBLE PARKING STRIPING
SCALE: 1"=5'

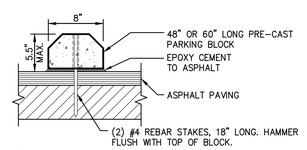


2 / C4.1 PARKING SIGNAGE
ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE



NOTES:
1. THIS PARKING SYMBOL IS ALSO KNOWN AS THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA).

3 / C4.1 ACCESSIBLE STRIPING
NO SCALE



4 / C4.1 CONCRETE WHEEL STOP
NO SCALE

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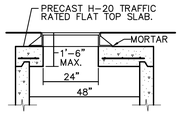
SHEET TITLE
PAVING AND STRIPING PLAN

SHEET ISSUE DATE: 11/13/25

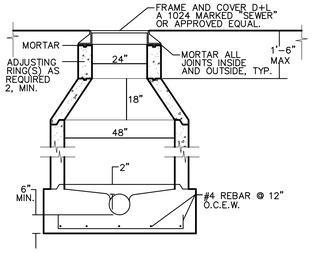
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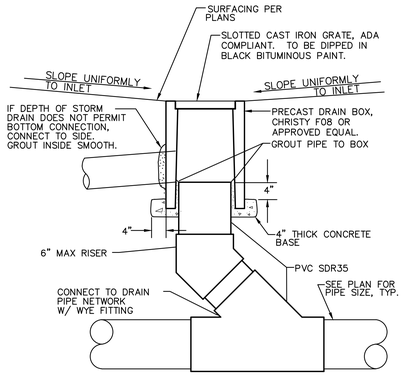


FLAT SLAB SECTION

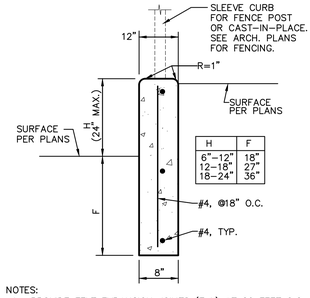


NOTES:
1. RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
2. FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
3. CONCRETE BASE MAY BE CAST-IN-PLACE AND POURED AGAINST UNDISTURBED MATERIAL OR PRE-CAST CONCRETE BASE ON 4" MIN. 3/4" CRUSHED ROCK PLACED ON UNDISTURBED MATERIAL.
4. ALL JOINTS SHALL BE SEALED WITH GROUT AND INSIDE OF MANHOLE SHALL BE GROUTED SMOOTH.
5. FLEXIBLE CONNECTORS SHALL BE INSTALLED ON BOTH INFLOW AND OUTFLOW PIPES PER CA. PLUMBING CODE 719.6.
6. FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT. FLAT SLAB SHALL BE TRAFFIC RATED.

15 / C5.1 SANITARY SEWER MANHOLE
NO SCALE



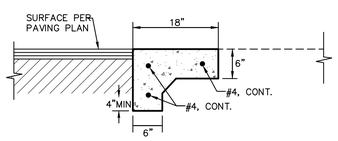
12 / C5.1 AREA DRAIN
NO SCALE



H	F
6"-12"	18"
12"-18"	27"
18"-24"	36"

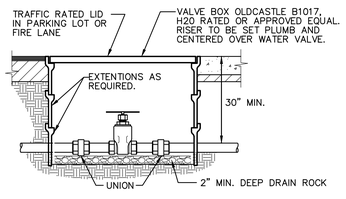
NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 20 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, 18"O.C. GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.
3. EXPANSION AND CONTROL JOINTS SHALL BE CAULKED ON THE RETAINED SIDE. JOINTS SHALL BE CLEANED AND MOISTURE FREE PRIOR TO ANY SEALANT APPLICATION. THE SEALANT SHALL BE APPLIED IN AN AMOUNT THAT WILL RESULT IN A CURED JOINT THICKNESS OF 1/4" AND SPANS THE WIDTH OF THE JOINT.

13 / C5.1 VARIABLE HEIGHT CURB
NO SCALE

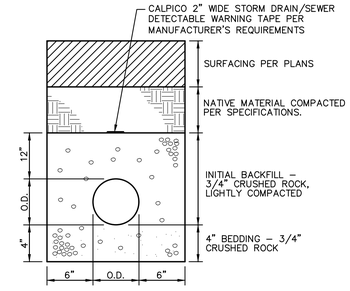


NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT ALL POSTS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, 18"O.C. GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

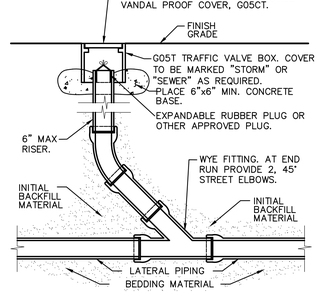
14 / C5.1 CONCRETE APRON
NO SCALE



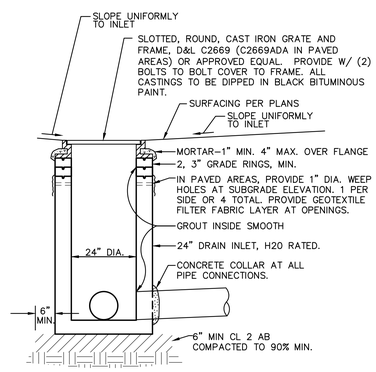
8 / C5.1 WATER VALVE
1/2" TO 3" PIPE — NO SCALE



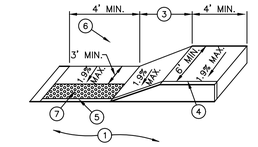
9 / C5.1 STORM DRAIN AND SANITARY SEWER TRENCH
NO SCALE



10 / C5.1 CLEANOUT
NO SCALE

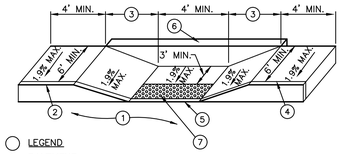


11 / C5.1 DROP INLET
NO SCALE



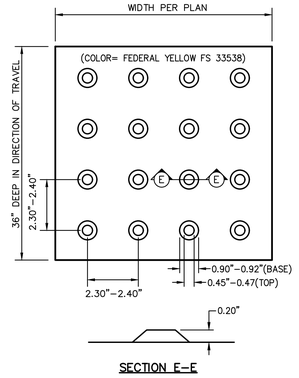
LEGEND
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-503.
6. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
7. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL.

4 / C5.1 ACCESSIBLE RAMP
NO SCALE



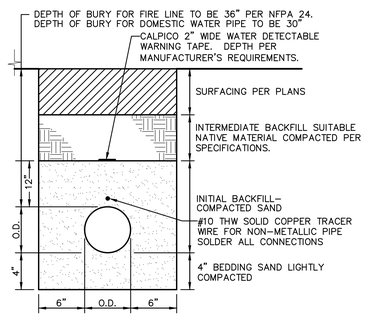
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5 / C5.1 ACCESSIBLE RAMP
NO SCALE

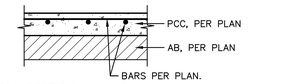


SECTION E-E

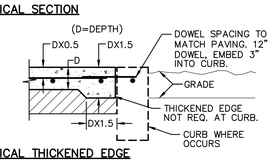
6 / C5.1 TRUNCATED DOMES
NO SCALE



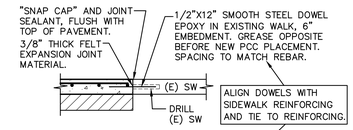
7 / C5.1 WATER TRENCH
NO SCALE



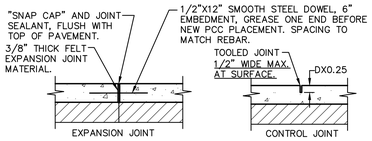
TYPICAL SECTION



TYPICAL THICKENED EDGE



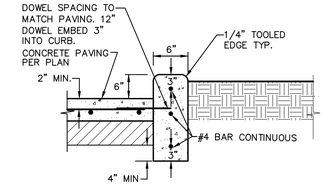
CONNECTION TO (E) CONCRETE



TYPICAL JOINTS

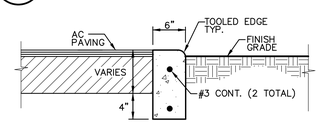
NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 / C5.1 CONCRETE SIDEWALK
NO SCALE



NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 / C5.1 CONCRETE CURB
NO SCALE



NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

3 / C5.1 FLUSH CONCRETE CURB
NO SCALE

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SHEET TITLE
DETAILS

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DRAWN BY: ---- JOB NUMBER: ----

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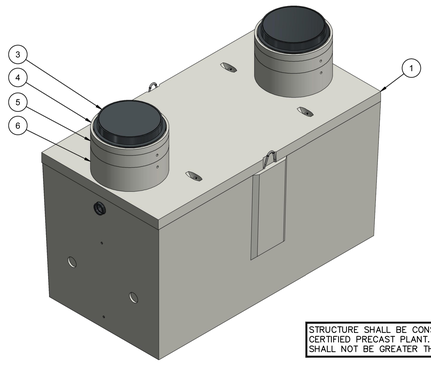
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NOTES
■ IN COMPLIANCE WITH UNIFORM PLUMBING CODE (UPC), INTERNATIONAL PLUMBING CODE (IPC), AND STRUCTURAL LOADING REQUIREMENTS OF ASTM INTERNATIONAL C1227.
■ JENSEN PRECAST'S PRODUCT IS LISTED BY IAPMO R&T TO STANDARD Z1000. MODEL JP-1500-EE-ST
■ MUST BE INSTALLED PER "JENSEN PRECAST UNDERGROUND WASTEWATER PRECAST CONCRETE TANK INSTALLATION PROCEDURE" WHICH CAN BE FOUND AT https://www.jensenprecast.com/Tank-Installation-Procedure-d2106.pdf. THIS PROCEDURE ADDRESSES REQUIRED EXCAVATION, SITE PREPARATION, INSTALLATION, VENTILATION, AND WATER/VACCUM TESTING

BILL OF MATERIALS

ITEM	QTY	PART NUMBER	DESCRIPTION	WEIGHT (LBS)
1	1	200018452	Tank JP 1500 Gallon 4 Inch Assembly EE Single Baffle	15586
2	1	200048440	200018454 Plumbing - JP 1500 4 Inch Septic 24"E, 24"E Single Baffle	6
3	JOB SPECIFIC	100005850	CI RINGCOVER 24DIA B-5105-02/B-5105-R2 ASTM A48 CL35B CP O-RING GASKET OSI JENSEN/INTERCEPT	196
4	JOB SPECIFIC	100001524	Grade Ring D2432x3	87
5	JOB SPECIFIC	100001525	Grade Ring D2432x6	180
6	JOB SPECIFIC	100001526	Grade Ring D2432x12	365
7	JOB SPECIFIC	100012046	Plug Cover D2428x6 Slab Top	300

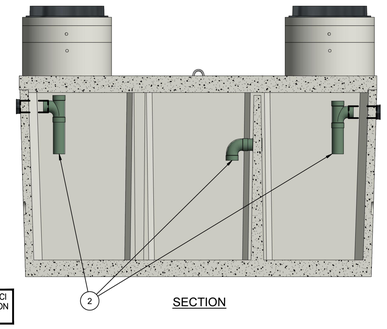
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ISO LAYOUT

STRUCTURE SHALL BE CONSTRUCTED AT A PCI CERTIFIED PRECAST PLANT. IN PLAN DIMENSION SHALL NOT BE GREATER THAN 16 FEET.

LID SHALL INDICATE STRUCTURE IS HS20–44 RATED



SECTION

MODEL:
JP-1500-EE-ST

REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	DRAWING CREATED	1/31/2019	J HILLMAN
B	TOP SLAB LIFTING AND PLUMBING UPDATED	1/29/2021	T.Larson
C	ACCESSORIES UPDATED	6/24/2022	T.Larson

BURY DEPTH:	1.1' - 6.0' to Top		
WATER LEVEL:	Below Structure	WEIGHT:	17548.35 Lbs
DESIGN SPEC:	ASTM C890,ACI 318	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:		LIFTING TYPE:	

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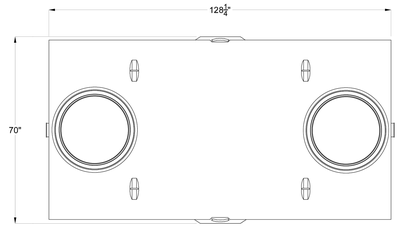
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DESCRIPTION: Tank JP 1500 Gallon 4 Inch Layout Septic 24"E, 24"E Single Baffle
LAYOUT REVIEW
REV: C-3
SHEET: 1 OF 2

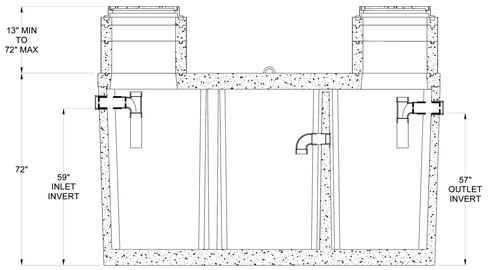
PART NUMBER:	200018454	DRAWN BY:	E. Fine
CREATED:	1/31/2019	MODIFIED:	6/28/2022

STRUCTURE SHALL BE CONSTRUCTED AT A PCI CERTIFIED PRECAST PLANT. IN PLAN DIMENSION SHALL NOT BE GREATER THAN 16 FEET.

LID SHALL INDICATE STRUCTURE IS HS20–44 RATED



PLAN VIEW



CROSS SECTION

200018454.dwr

BURY DEPTH:	1.1' - 6.0' to Top		
WATER LEVEL:	Below Structure	WEIGHT:	17548.35 Lbs
DESIGN SPEC:	ASTM C890,ACI 318	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:		LIFTING TYPE:	

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DESCRIPTION: Tank JP 1500 Gallon 4 Inch Layout Septic 24"E, 24"E Single Baffle
LAYOUT DRAWING
REV: C-3
SHEET: 2 OF 2

PART NUMBER:	200018454	DRAWN BY:	E. Fine
CREATED:	1/31/2019	MODIFIED:	6/28/2022

1 / C5.2 SEPTIC TANK

NO SCALE

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CONSULTANTS
CIVIL ENGINEER
Warren Consulting Engineers
1117 Windfield Way. Suite 110
El Dorado Hills, CA 95762
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PROFESSIONAL STAMP

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

REVISIONS ORIGINAL ISSUE DATE: ----

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL
AG BARN FACILITY

3 South Pacific Ave.
Lodi, CA 95242

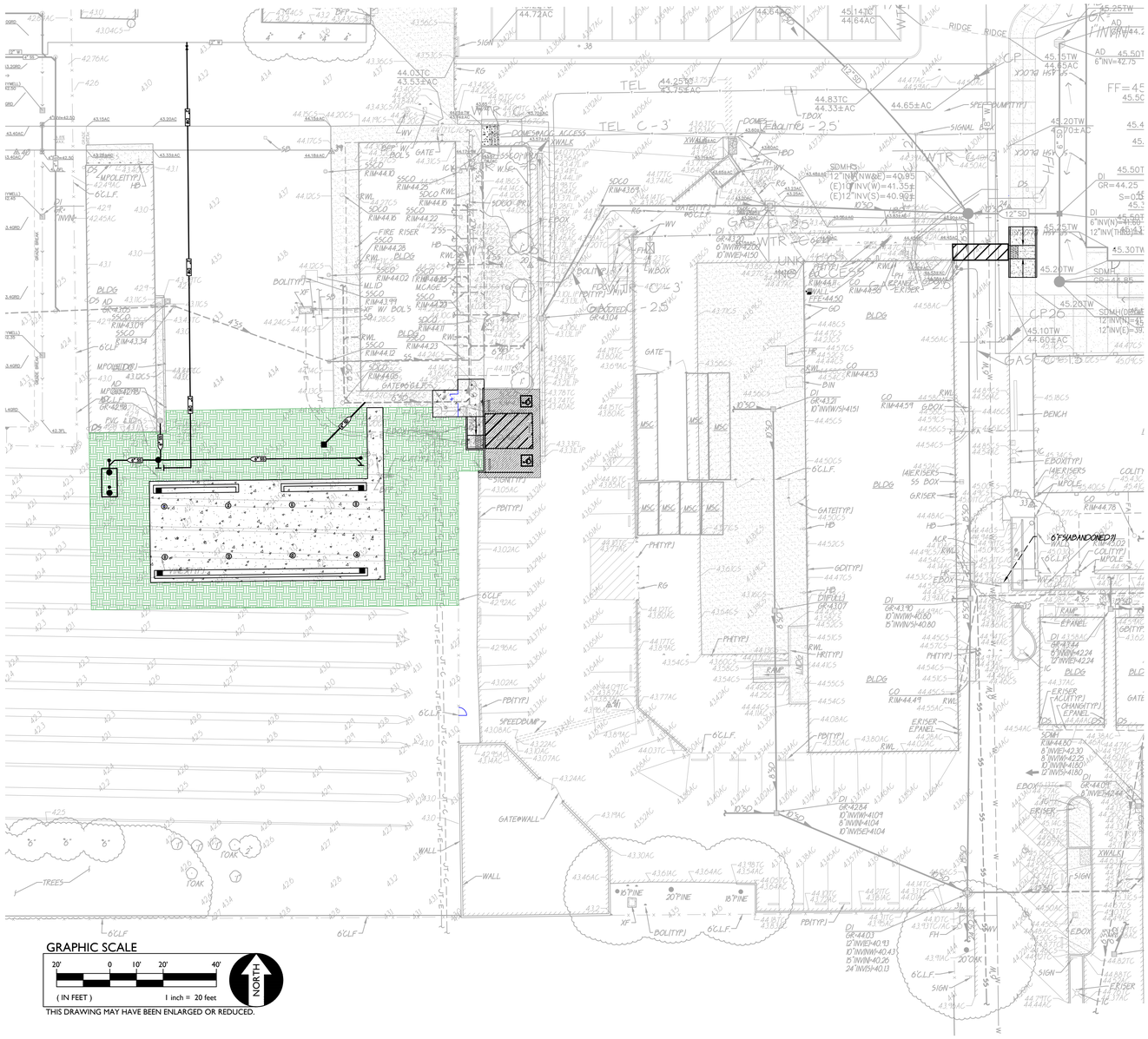
SHEET TITLE
DETAILS

SHEET ISSUE DATE: 11/13/25

DRAWN BY: GV/ML JOB NUMBER: 24392.01

SHEET NO. C5.2 BID ALT #6

FILENAME: I:\25-081\CIVIL\DWG\25-081-C5.1.DWG

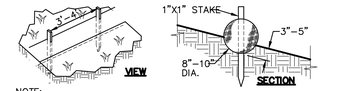


WCE EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
2. CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS. ONLY CLEAR WATER IS TO BE DISCHARGED INTO THE EXISTING DRAINAGE SYSTEM. IF PUMPING IS NECESSARY, FILTERS WILL BE REQUIRED TO ENSURE THAT ONLY CLEAR WATER IS DISCHARGED FROM THE SITE, PER SACRAMENTO COUNTY STANDARDS. THE CONTRACTOR SHALL VERIFY THE DISCHARGE POINT WITH THE COUNTY INSPECTOR. THE CONTRACTOR SHALL VERIFY THAT THE POINT OF DISCHARGE CAN HANDLE THE VELOCITY AND QUANTITY OF FLOW. PUMPING AND SPRAYING THE CLEAN WATER ON-SITE AS A FORM OF DUST CONTROL WILL ALSO BE AN ACCEPTABLE ALTERNATIVE TO DEWATERING.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
4. PRIOR TO PLACEMENT OF LANDSCAPING AND/OR FINISHED GROUND SEEDING. REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
5. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
6. ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
7. CONTRACTOR SHALL PLACE STRAW MULCH ON ALL DISTURBED AREAS AND TACKIFY INTO PLACE.
8. CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND S.W.P.P.P. PLAN FOR ADDITIONAL REQUIREMENTS.
9. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER CHILDREN AND NON-CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTEND, THE CONTRACTOR SHALL COORDINATE THIS FENCING LAYOUT WITH SCHOOL DISTRICT PERSONNEL PRIOR TO ANY FENCING PLACEMENT SO AS TO NOT SIGNIFICANTLY INTERFERE WITH SCHOOL OPERATION.
10. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED THROUGH THE SCHOOL AND ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.
11. EFFECTIVE EROSION CONTROL BMPS, IN ADDITION TO SEDIMENT CONTROL BMPS SHALL BE IN PLACE PRIOR TO ANY RAIN EVENTS.

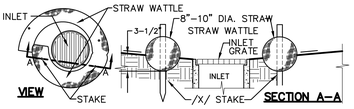
BEST MANAGEMENT PRACTICES (BMP'S)

- STABILIZED CONSTRUCTION ENTRANCE. (3 / C6.1)
- STRAW WATTLE (1 / C6.1)
- DRAIN INLET PROTECTION. (2 / C6.1)
- ST — SEDIMENT TRAP PER CASQA FACT SHEET SE-3.
- REINFORCE GRADED SWALES WITH REINFORCING MATS, TACKED INTO PLACE. PER FACT SHEET EC-7.



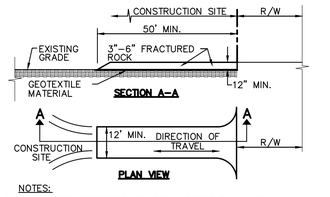
NOTE:
STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

1 / C6.1 STRAW ROLLS — NO SCALE



NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3-1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2 / C6.1 STRAW WATTLE INLET FILTER — NO SCALE



NOTES:
1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3"-6" ANGULAR ROCK MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

3 / C6.1 STABILIZED CONSTRUCTION SITE ACCESS — NO SCALE

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES																			
	WET SEASON					WET & DRY SEASON														
	HYDRO-SEEDING	STRAW MULCHING TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGITATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION	CONCRETE WASHOUT
PRE-GRADING	X	X		X			X		N/A			N/A	N/A							
CUT-FILL ACTIVITIES	X	X	X	X	X	X	X			X	X		X	X	X	X	X			
UNDERGROUND WORK	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X			
STORM IMPROVEMENTS	X		X	X	X	X	X	X		X	X		X	X	X	X	X			
CURB AND GUTTER	N/A		X	X	X	X	X	X		X	X			X	X	X	X			
STREET IMPROVEMENTS			X	X	X	X	X	X		X	X			X	X	X	X			
PAVE OUT				X	X		X	X		X	X			X			X			
POST CONSTRUCTION			X	X	X															
MAINTENANCE SCHEDULE																				
DAILY*																				
WEEKLY*		X	X		X	X		X		X	X				X	X	X			
MONTHLY*																				
BEFORE RAIN		X	X		X	X		X		X	X									
DURING RAIN		X	X		X	X		X		X	X									
AFTER RAIN		X	X		X	X		X		X	X									
AS NEEDED				X			X							X						

* = WHEN RAIN EVENT INSPECTIONS OCCURS, THEY MAY QUALIFY AS A DAILY, WEEKLY, OR MONTHLY INSPECTION AS APPLIES.

PH AND TURBIDITY MONITORING SCHEDULE

1. WITHIN 2 BUSINESS DAYS (48 HOURS) PRIOR TO EACH QUALIFYING RAIN EVENT.
2. EVERY 24 HOURS DURING A QUALIFYING RAIN EVENT.
3. WITHIN 2 BUSINESS DAYS (48 HOURS) AFTER EACH QUALIFYING RAIN EVENT RESULTING IN 0.50 INCHES OF RAIN OR MORE.
4. RECORD THE TIME, DATE AND RAIN GAUGE READING OF ALL QUALIFYING RAIN EVENTS.
5. QUARTERLY NON-STORM WATER DISCHARGE INSPECTIONS.
6. WEEKLY INSPECTIONS.

SEDIMENT AND EROSION CONTROL MEASURES ON SWPPP MAP ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

ANY CHANGES MADE TO THE SWPPP IN THE FIELD MUST BE SHOWN ON THE MAP. UPDATE MAP TO REFLECT CHANGES.

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

STORM DRAINAGE OUTFALL BMP'S
REFER TO PROTECT CONSTRUCTION PLAN DETAILS FOR SPECIFIC POST CONSTRUCTION BMP MEASURES AT OUTFALL STRUCTURES.

ADD TO MAP AS LOCATED IN THE FIELD

- CONSTRUCTION TRAILER.
- VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
- COVERED WASTE STORAGE (DUMPSTERS).
- STAGE — STAGING AREA
- MATERIAL STORAGE
- SP — SOIL STOCKPILES.
- CWO — CONCRETE WASHOUT.

AGENCY APPROVAL: ---- ----

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DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
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SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

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TEL (916) 786-8178

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WARREN CONSULTING ENGINEERS, INC.
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CONSULTANTS

CIVIL ENGINEER
Warren Consulting Engineers
1117 Windfield Way. Suite 110
El Dorado Hills, CA 95762
TEL (916) 985-1870

PROFESSIONAL STAMP

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

REVISIONS — ORIGINAL ISSUE DATE: -----

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL
AG BARN FACILITY

3 South Pacific Ave.
Lodi, CA 95242

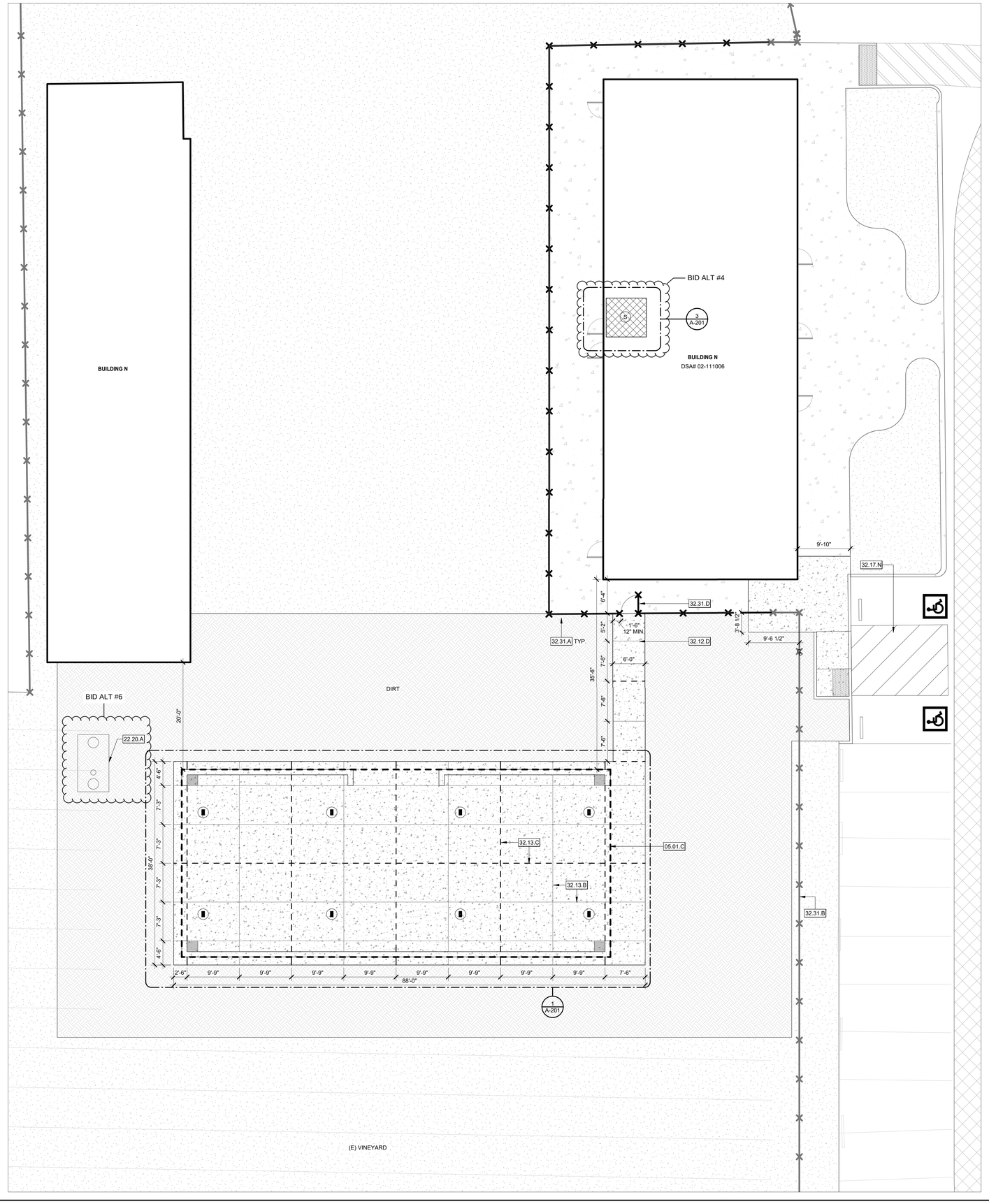
SHEET TITLE
EROSION CONTROL PLAN

SHEET ISSUE DATE: -----

DRAWN BY: ---- JOB NUMBER: ----

SHEET NO.
C6.1

FILENAME: I:\25-081\CIVIL\DWG\25-081-C6.1.DWG



KEYNOTES

05.01.C	ROOF OVERHANG
22.20.A	(N) SEPETIC TANK. SCD
32.12.D	(N) 4'x60' ADA CONCRETE PATH TO SHADE STRUCTURE
32.13.B	CONTROL JOINTS AT 8'-0" O.C. OR AS SHOWN ON THE PLANS
32.13.C	EXPANSION JOINTS AT 20'-0" O.C. OR AS SHOWN ON THE PLANS
32.17.N	(E) ACS PARKING (DSA #02-115316)
32.31.A	(N) 6'-0" TALL CHAIN LINK FENCE, SEE 2/A-102
32.31.B	(E) 6'-0" TALL CHAIN LINK FENCE
32.31.D	(N) SINGLE 3'-6" WIDE CHAIN LINK GATE WITH PANIC HARDWARE.

SITE PLAN GENERAL NOTES

1. SEE MECHANICAL, ELECTRICAL, AND CIVIL DRAWINGS FOR UTILITIES.
2. ALL NEW CONCRETE AND AC PAVING IN P.O.T. SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTIONS U.N.O. AND SHALL HAVE FLUSH TRANSITIONS TO ALL ADJACENT NEW AND EXISTING WALK SURFACES IN P.O.T .
3. ALL LANDSCAPE EDGES ALONG ALL NEW OR EXISTING WALK SURFACES IN P.O.T. SHALL BE PER CIVIL DRAWINGS.
4. FOR GRATINGS OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY OR IN P.O.T., THE MAXIMUM GRATE OR STRAINER OPENINGS SHALL NOT EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
5. THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

LEGEND - SITE PLAN

- ASSUMED PROPERTY LINE
- LIMITS OF WORK
- SHADE STRUCTURE EXEMPT FROM DSA REVIEW PER IR A-22 ITEM A18.
- (E) BUILDING
- (N) 4" CONCRETE PAVING
- EXPANSION JOINT PER 1/C5.1
- CONTROL JOINT PER 1/C5.1
- (E) CONCRETE PAVING
- (E) DIRT
- DIRT
- (E) LANDSCAPING
- FIRE LANE
- (N) CHAIN LINK FENCE LINE
- (E) CHAIN LINK FENCE LINE
- FH (E) FIRE HYDRANT
- FDC (E) FIRE DEPARTMENT CONNECTION
- S (E) ACCESSIBLE STAFF RESTROOMS

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CAPITAL-ENGINEERING
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LICENSED ARCHITECT
MARIANA ALVAREZ PACHECO
C-36107
REN. 01-31-27
STATE OF CALIFORNIA
12/03/2025

REVISIONS	ORIGINAL ISSUE DATE: DECEMBER 9, 2025	
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1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 South Pacific Ave.
Lodi, CA 95242

SHEET TITLE

ENLARGED SITE PLAN

SHEET ISSUE DATE: 11/13/25

DRAWN BY: XX JOB NUMBER: 24392.01

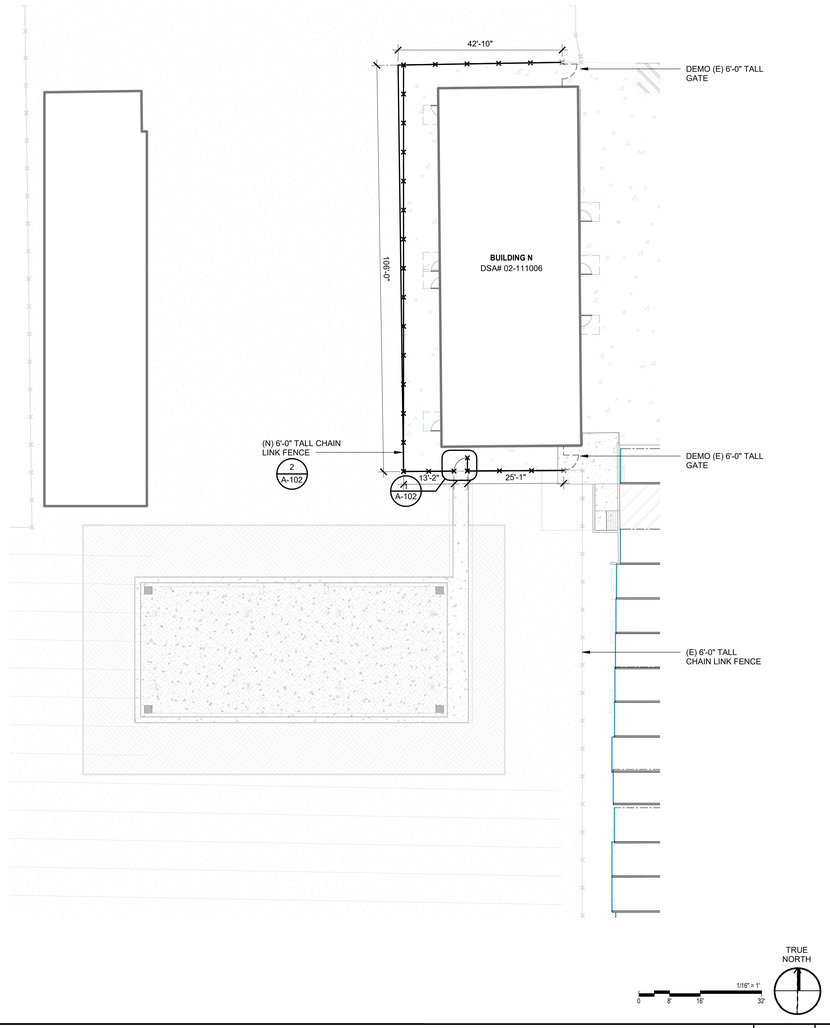
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A-101

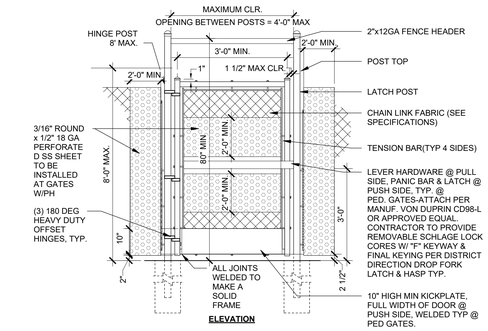
CONSTRUCTION DOCUMENTS

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

DATE PLOTTED: 12/3/2025 9:38:28 AM FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt

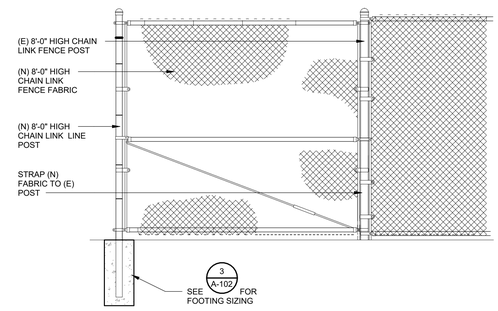


FLOOR PLAN - FENCE | 1/16" = 1'-0" | 7

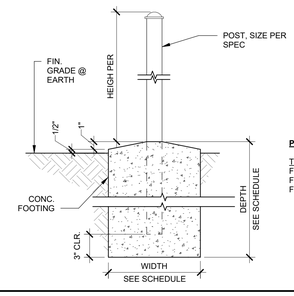


ELEVATION

CHAIN LINK FENCE SINGLE GATE W/ PANIC HARDWARE | 1/2" = 1'-0" | 1



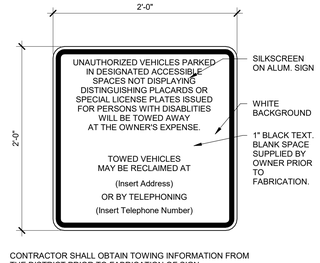
(N) CHAIN LINK FENCE POST @ (E) CHAIN LINK FENCE FABRIC | 1/2" = 1'-0" | 2



POST FOOTING SCHEDULE

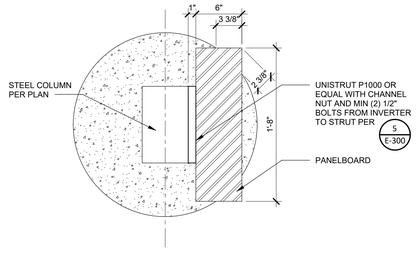
TYPE	DEPTH	WIDTH
FENCE LINE POSTS	24"	12"
FENCE END/CORNER POSTS	30"	12"
FENCE PEDESTRIAN GATE POSTS	36"	12"

POST FOOTING | 1 1/2" = 1'-0" | 3



CONTRACTOR SHALL OBTAIN TOWING INFORMATION FROM THE DISTRICT PRIOR TO FABRICATION OF SIGN

TOW AWAY SIGNAGE | 1 1/2" = 1'-0" | 8



SURFACE MOUNTED PANELBOARD | 1 1/2" = 1'-0" | 4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

196
1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 786-8178

CONSULTANTS

CIVIL ENGINEER
WARREN CONSULTING ENGINEERS, INC.
1117 Windfield Way, Ste. 110
El Dorado Hills, CA 95762
TEL (916) 985-1870 FAX (916) 985-1877

MECHANICAL ENGINEER
CAPITAL-ENGINEERING
11020 Sun Center Drive, Suite 100
Rancho Cordova, CA 95670
TEL (916) 851-3500

PROFESSIONAL STAMP

LICENSED ARCHITECT MARIANA ALVAREZ PARGA C-36107 12/03/2025 REN: 01-31-27 STATE OF CALIFORNIA

REVISIONS
ORIGINAL ISSUE DATE: DECEMBER 9, 2025

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PROJECT OWNER & TITLE

LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 South Pacific Ave.
Lodi, CA 95242

SHEET TITLE

SITE ELEVATIONS AND DETAILS

SHEET ISSUE DATE: 11/13/25

DRAWN BY: XX JOB NUMBER: 24392.01

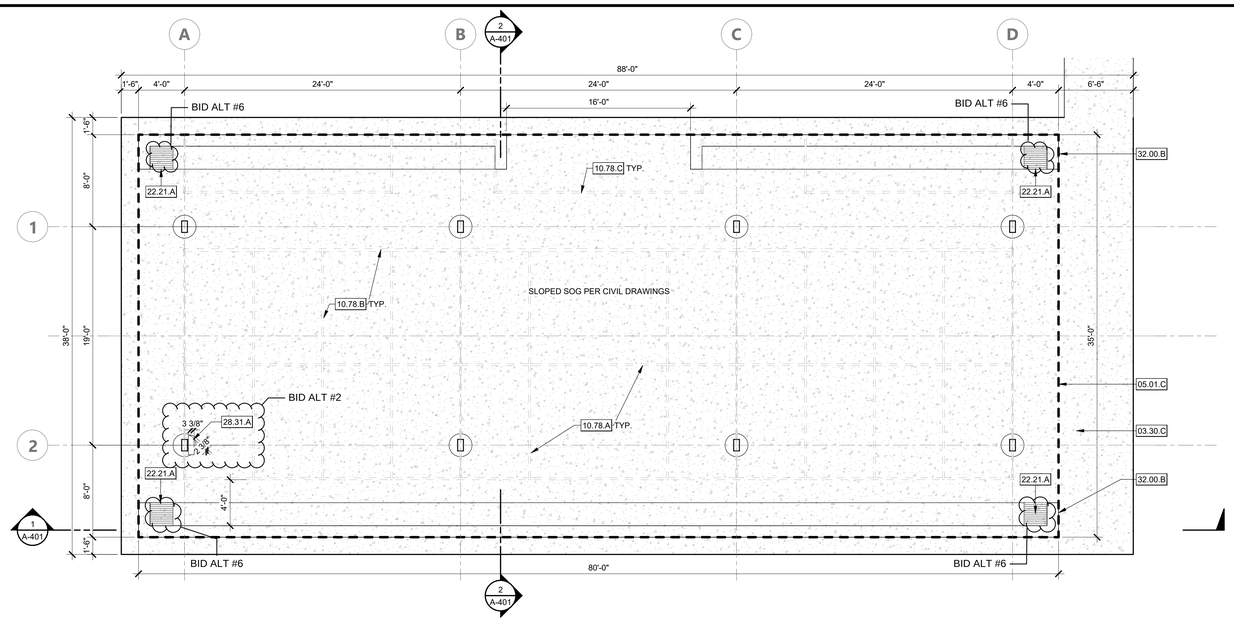
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A-102

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 12/3/2025 9:30:22 AM FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt

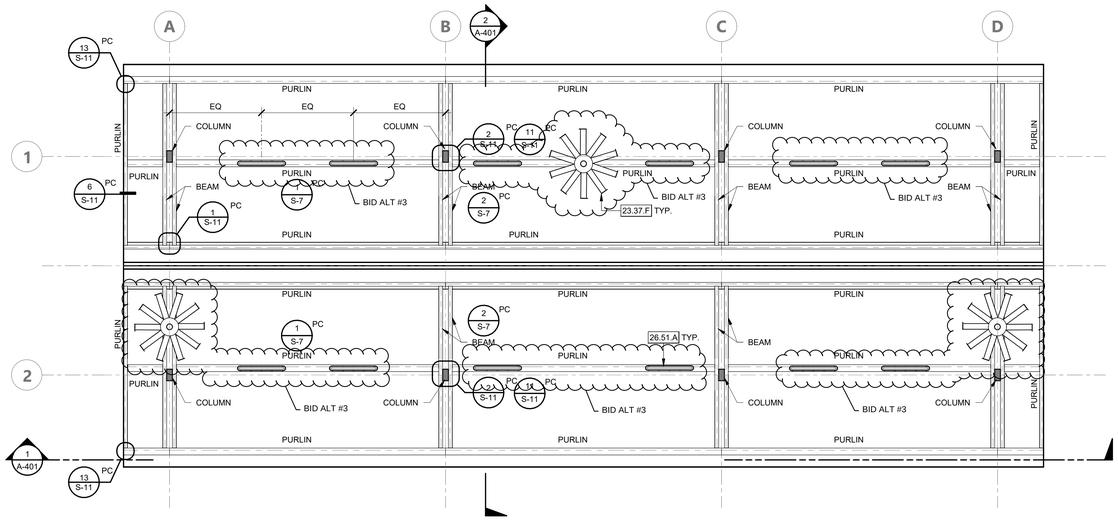
AGENCY APPROVAL: DSA# 02-123841



TRUE NORTH

0 10' 20' 40' 1" = 20'

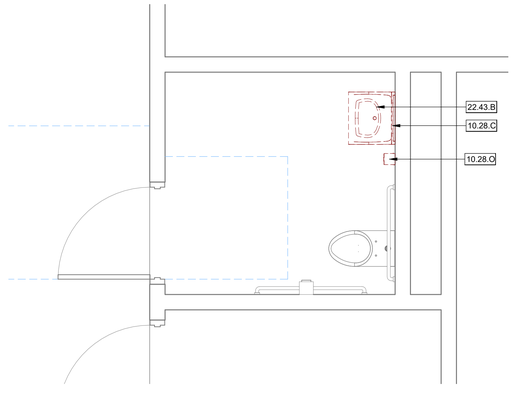
FLOOR PLAN | 3/16" = 1'-0" | 1



TRUE NORTH

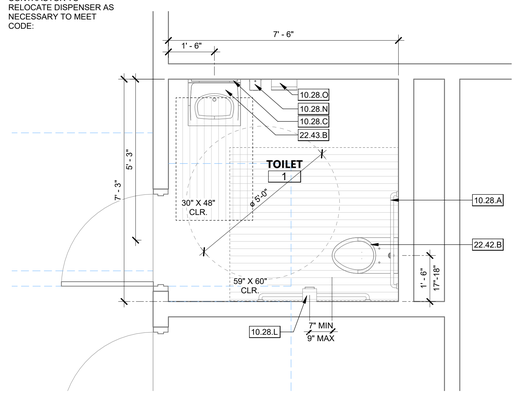
0 10' 20' 40' 1" = 20'

CEILING PLAN | 3/16" = 1'-0" | 2



DEMOLITION FLOOR PLAN | 1/2" = 1'-0" | 4

NOTE:
CONTRACTOR TO RELOCATE DISPENSER AS NECESSARY TO MEET CODE:



BUILDING N ENLARGED STAFF RESTROOM | 1/2" = 1'-0" | 3

KEYNOTES

03.30.C	SLAB-ON-GRADE PER STRUCTURAL DRAWINGS
05.01.C	ROOF OVERHANG
10.28.A	(E) GRAB BAR
10.28.C	RELOCATE (E) MIRROR
10.28.L	(E) SURFACE MOUNT TOILET TISSUE DISPENSER; CONTRACTOR TO VERIFY LOCATION THIS APPLICATION
10.28.N	RELOCATE (E) SURFACE MOUNT SOAP DISPENSER
10.28.O	RELOCATE (E) SURFACE MOUNT PAPER TOWEL DISPENSER
10.78.A	10'x12" ANIMAL WASHING STATION. N.I.C. BY OWNER
10.78.B	6'x10" ANIMAL PEN. N.I.C. BY OWNER
10.78.C	ANIMAL HOG FEED/TACK. N.I.C. BY OWNER
22.21.A	(N) TROUGH DRAIN TO SEPTIC TANK. SCD
22.42.B	(E) TOILET
22.43.B	RELOCATE (E) ACCESSIBLE WALL MOUNTED SINK
23.37.F	CEILING FAN PER MECHANICAL DRAWINGS
26.51.A	INTERIOR LIGHTING FIXTURE, REFER TO ELECTRICAL LIGHTING PLANS
28.31.A	SURFACE MOUNTED PANELBOARD SED & 4/A-102
32.00.B	(N) 8" CONCRETE CURB

FLOOR PLAN GENERAL NOTES

1. FLOOR PLAN IS SHOWN AS THE BASIS OF DESIGN ONLY SO THE DESIGN-BUILD GC WILL HAVE A LAYOUT TO DISCUSS WITH THE BUILDING MANUFACTURER

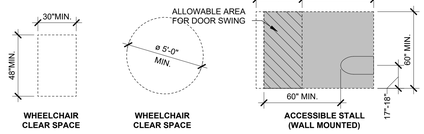
2. ALL DIMENSIONS AND OTHER INFORMATION WILL BE PROVIDED IN THE PRE-MANUFACTURED BUILDING DRAWINGS

LEGEND - FLOOR PLAN

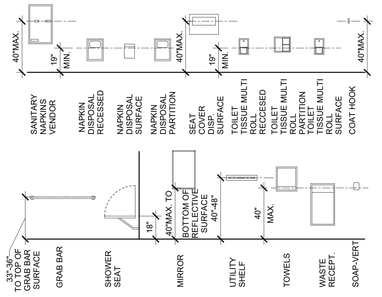
(N) 4" CONCRETE SLAB, SCD

(E) CONSTRUCTION TO BE DEMOLISHED

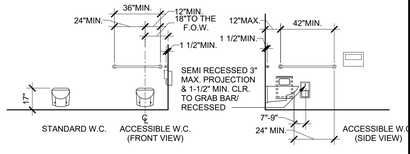
LEGEND - ACCESSIBLE HEIGHTS CLEARANCES

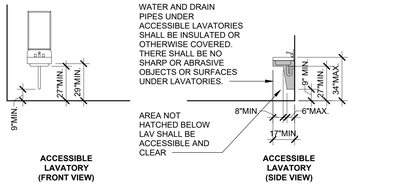


MOUNTING HEIGHTS



TOILET FIXTURE HEIGHTS





1715 R STREET, SUITE 200
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IDENTIFICATION STAMP
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APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

PROFESSIONAL STAMP

LICENSED ARCHITECT MARIANA ALVAREZ RICCA C-36107 EXP 08/03/2025 REN 01-31-27 STATE OF CALIFORNIA

REVISIONS | ORIGINAL ISSUE DATE: DECEMBER 9, 2025

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LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 South Pacific Ave.
Lodi, CA 95242

SHEET TITLE
FLOOR PLAN & RCP PLAN

SHEET ISSUE DATE: 11/13/25

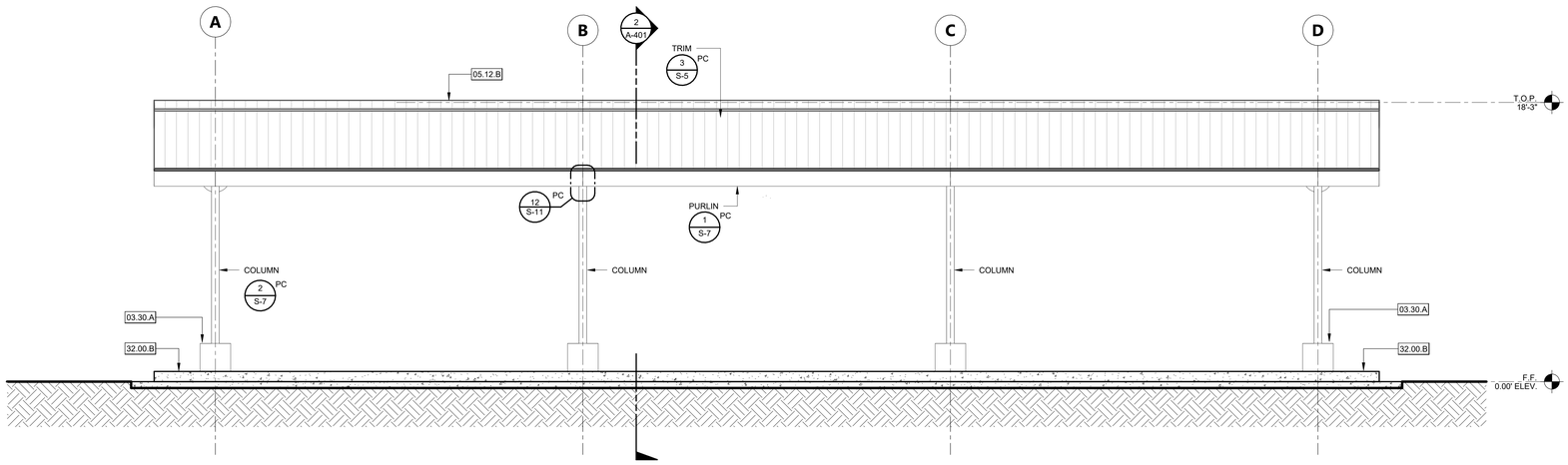
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SHEET NO.
A-201

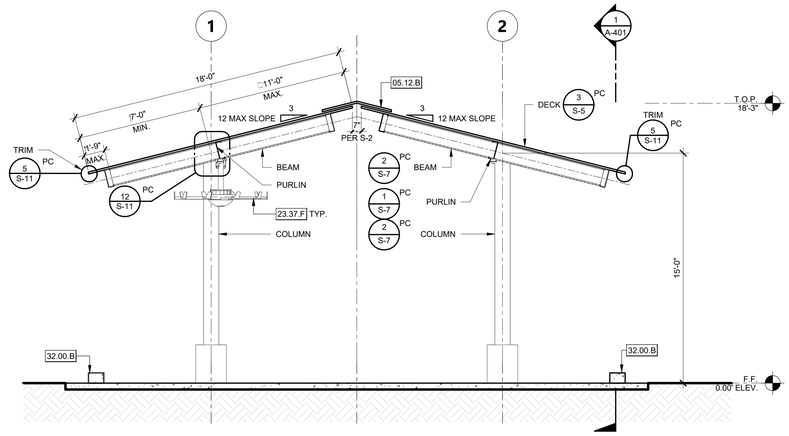
CONSTRUCTION DOCUMENTS

DATE PLOTTED: 12/2/2025 11:33:18 PM FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt

AGENCY APPROVAL: DSA# 02-123841



SECTION 1 | 1/4" = 1'-0" | **1**



SECTION 2 | 1/4" = 1'-0" | **2**

KEYNOTES

03.30.A	FOOTING PER STRUCTURAL DRAWINGS
05.12.B	RIDGE CAP. MATCH MEAL DECK GAUGE
23.37.F	CEILING FAN PER MECHANICAL DRAWINGS
32.00.B	(N) 8" CONCRETE CURB

BUILDING SECTIONS GENERAL NOTES

1. ALL DIMENSIONS AND OTHER INFORMATION WILL BE PROVIDED IN THE PRE-MANUFACTURED BUILDING DRAWINGS

IDENTIFICATION STAMP
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196

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PROFESSIONAL STAMP

LICENSED ARCHITECT
MARLENA ALVAREZ REGIS
C-36107 12/02/2025
REN. 61-31-27
STATE OF CALIFORNIA

REVISIONS
ORIGINAL ISSUE DATE:
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LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
Lodi, CA 95240

LODI HIGH SCHOOL
AGRICULTURAL COMPLEX
3 South Pacific Ave.
Lodi, CA 95242

SHEET TITLE

BUILDING SECTIONS

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.

A-401

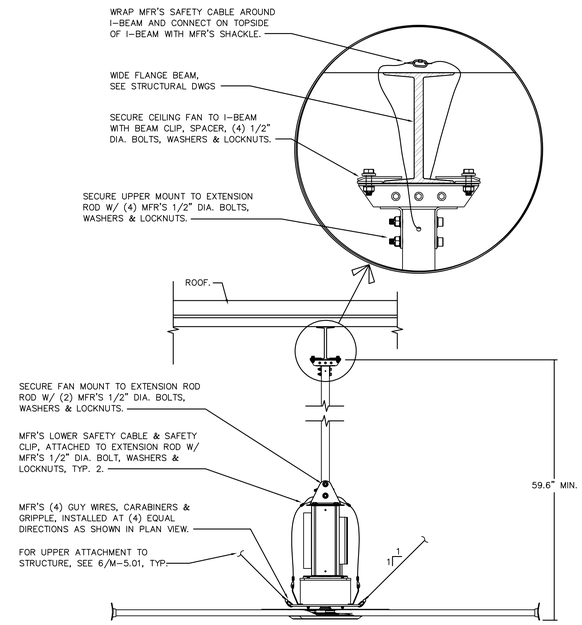
CONSTRUCTION DOCUMENTS

DATE PLOTTED: 11/26/2025 11:59:54 AM FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt

CEILING FAN SCHEDULE

UNIT	LOCATION SERVED	"BIG ASS FAN" MODEL NO.	DIA.	VOLT/PH	MCA	MAX. SPEED	OPER. WT. (LBS.)	MOUNTING DETAIL	NOTES
CF 1–3	AG BARN	i6 OUTDOOR	6 FT	208/1	10	140 RPM	50	1 M–001	(1)(2)(3)

NOTES: (1) PROVIDE WITH WIRED STANDARD CONTROLLER AND ALL MOUNTING HARDWARE.
(2) PROVIDE WITH CENTER LED LIGHT
(3) PROVIDE WITH UNIVERSAL MOUNT



CEILING FAN MOUNTING

SCALE : NONE

1
M-001

MECHANICAL GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES AND INDUSTRY STANDARDS.
2. VERIFY EXACT LOCATION OF ALL (E) EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS AND GRILLES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN (E) SYSTEMS AND DRAWINGS.
3. COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS AND WALLS WITH ARCHITECTURAL STRUCTURAL SYSTEMS PRIOR TO COMMENCING WORK.
4. COORDINATE EXACT SIZE AND ROUTING OF DUCTWORK WITH ARCHITECTURAL PLANS, STRUCTURE AND EQUIPMENT PRIOR TO COMMENCING WORK.
5. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES.
6. FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE SUPPLY DUFFUSER.
7. FLEXIBLE DUCTWORK CONNECTIONS TO CEILING DIFFUSERS ARE LIMITED TO 5' MAXIMUM LENGTH.
8. ALL DUCTWORK, CEILING DIFFUSERS/REGISTERS/GRILLES, EQUIPMENT, PIPING ETC., ARE NEW U.O.N. (SHOWN HEAVY). (E) DUCTWORK, PIPING ETC. IS SHOWN LIGHT. SEE LEGEND.
9. (E) DUCTWORK AND ITEMS TO BE REMOVED ARE SHOWN CROSSED ("X") OUT, SEE LEGEND, COORDINATE CLOSELY WITH (N) DUCTWORK AND P.O.C.'S SHOWN. ALL OTHER (E) DUCTWORK, ETC. TO REMAIN.
10. WHERE INLET DUCT DIAMETER AND DIFFUSER NECK SIZE ARE THE SAME (I.E. 9" DIA. & 9x9) CONTRACTOR SHALL OVERSIZE THE SHEET METAL PLENUM TO ACCOMODATE THE ROUND DUCT CONNECTION.
11. THERMOSTAT TO BE INSTALLED AT 46" ABOVE FINISHED FLOOR (TOP OF THERMOSTAT), DO NOT INSTALL THERMOSTAT OVER CASEWORK OR SHELVING OVER 24" IN DEPTH & 34" IN HEIGHT. REFER TO CBC SECTION 11B–308 FOR ADDITIONAL REQUIREMENTS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7–16 CHAPTERS 13, 26 AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP☐ MD☐ PP☒ E☐ IR 16-13 SECTION 2.1: PROJECT-SPECIFIC DESIGN.
MP☐ MD☐ PP☐ E☐ IR 16-13 SECTION 2.2 DESIGN BASED ON OSHPD OPM, PART OF PROJECT SUBMITTAL.
MP☐ MD☐ PP☐ E☐ IR 16-13 SECTION 2.2.6 DESIGN BASED ON OSHPD OPM, DEFERRED APPROVAL

1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 786-8178

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MECHANICAL ENGINEER
CAPITAL-ENGINEERING
11020 Sun Center Drive, Suite 100
Rancho Cordova, CA 95670
TEL (916) 851-3500

capital engineering
RANCHO CORDOVA, CALIFORNIA
MBJG - JCH/JG/OH — PM / DESIGN TEAM
250290.00 — PROJECT NO.

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — JAMES C. HOLLAND — No. 33458 — Exp. 9/30/2026 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 11/10/2025

REVISIONS
ORIGINAL ISSUE DATE:
DATE

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PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
LODI, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 SOUTH PACIFIC AVENUE
LODI, CA 95242

SHEET TITLE
MECHANICAL LEGENDS, NOTES, SCHEDULES, AND DETAILS

ADD ALT #3
SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.
M-001

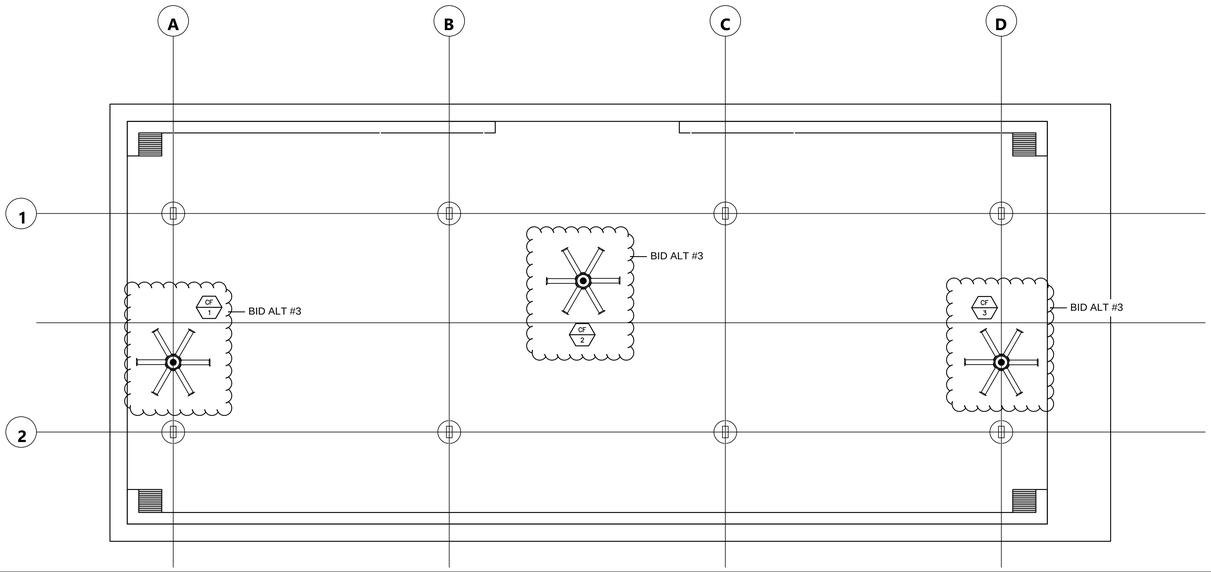
CONTRUCTION DOCUMENTS

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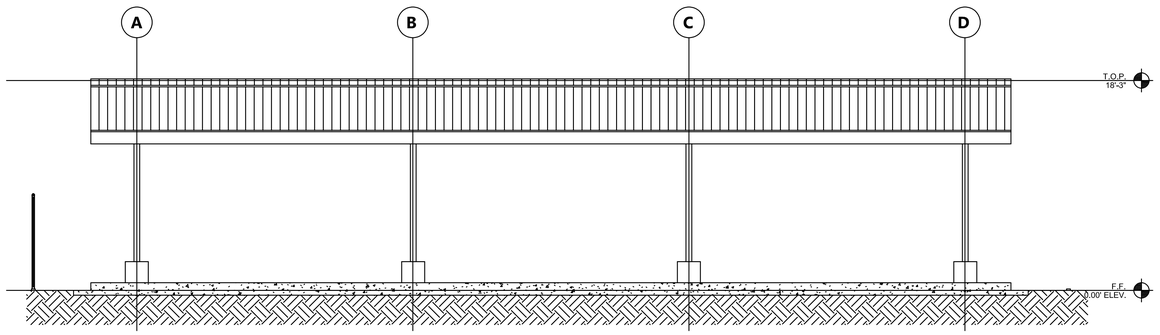
AGENCY APPROVAL: DSA# 02-123841



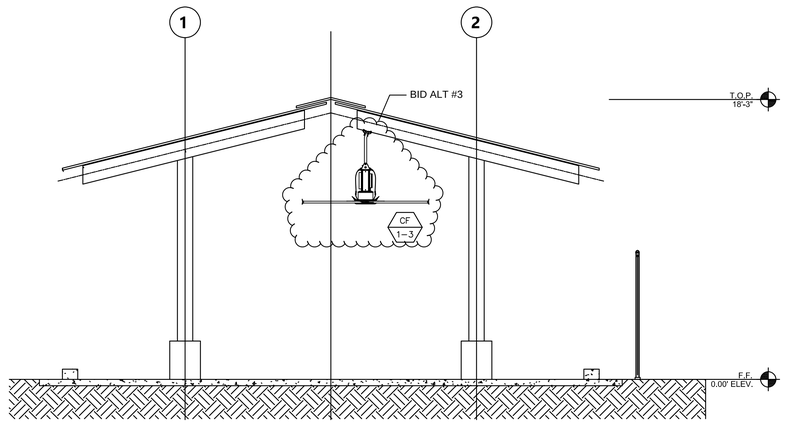
TRUE NORTH

1" = 20'
0 10' 20' 40'

FLOOR PLAN 3/16" = 1'-0" **1**



SECTION 1 3/16" = 1'-0" **2**



SECTION 2 1/4" = 1'-0" **3**

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DATE: 01/09/2026

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capital engineering
RANCHO CORDOVA, CALIFORNIA

MBJG - JCH/JG/OH 250290.00
PM - DESIGN TEAM PROJECT NO.

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. BRUNELLE
No. 33458
Exp. 9/30/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 11/10/2025

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SHEET TITLE
MECHANICAL FLOOR PLAN

ADD ALT #3

SHEET ISSUE DATE: 12/02/25

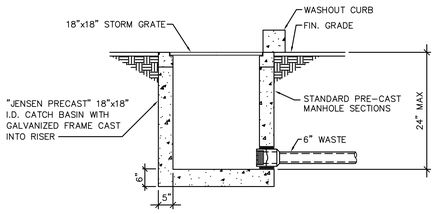
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SHEET NO.

M-201

CONTRUCTION DOCUMENTS

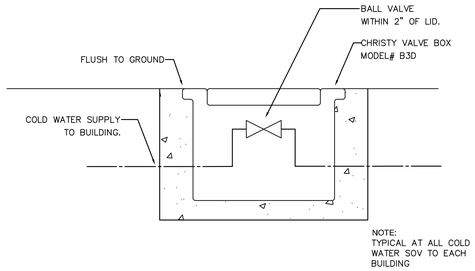
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WASHOUT SUMP PIT DETAIL

SCALE : NONE

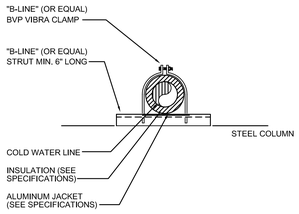
1 P-001



MAIN SHUT OFF @ BLDG. EXTERIOR

SCALE : NONE

2 P-001



PIPING ON EXTERIOR WALL

SCALE : NONE

3 P-001

PLUMBING GENERAL NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.
2. COORDINATE LOCATION OF PIPING WITH OTHER TRADES ON THIS PROJECT.
3. CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
4. PROVIDE BALL VALVES ON WATER PIPE BRANCHES TO EQUIPMENT AND PLUMBING FIXTURES. PROVIDE ACCESS PANELS WHEN LOCATED IN FURRED SPACES OR ABOVE NON-REMOVABLE CEILINGS. ALL VALVES SHALL BE FULL LINE SIZE.
5. SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
6. PROVIDE BALL VALVES AT ALL WATER HAMMER ARRESTORS, TRAP PRIMERS, HOSE BIBS, WALL HYDRANTS, AND OTHER SERVICEABLE EQUIPMENT.
7. DOMESTIC HOT WATER HEATERS SHALL BE SEISMICALLY SECURED TO BUILDING STRUCTURE WITH ADEQUATE STRUCTURAL SUPPORT WITH ANCHOR BOLTS.
8. PRIOR TO ANY SOLENOID VALVE, QUICK CLOSING VALVE, FLUSHOMETERS, METERED FAUCETS, ETC. PROVIDE AND INSTALL SHOCK ABSORBER OF REQUIRED SIZE PER PDI-WH201.
9. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL OF THE ENFORCING AGENCY.
10. OFFSET VENTS THRU ROOF 10 FEET MINIMUM FROM AIR INTAKES AND 4 FEET FROM OUTSIDE WALLS.
11. CONDENSATE DRAIN LINE CONNECTIONS TO MECHANICAL UNITS SHALL INCLUDE MINIMUM 4" DEEP "P" TRAP AND CLEANOUTS AT ALL OFFSETS.
12. ALL MECHANICAL UNITS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. SEE "M" SHEETS.
13. OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
14. FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING OF ANY NEW WORK.
15. BUILDING SEWER, WATER AND STORM DRAIN RUN APPROXIMATELY 5' MIN. FROM BUILDING, SECTION 22 10 00 APPLIES TO UTILITIES IN THE BUILDING, UNDER THE BUILDING AND TO 5' OUTSIDE THE BUILDING, BEYOND THE 5' OUTSIDE OF THE BUILDING SECTION 330000 GOVERNS.
16. ALL FLOOR MOUNTED FIXTURES, CLEAN OUTS & FLOOR DRAINS TO BE FLUSH MOUNTED WITH 2% MAX. SLOPE.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	AF , BF	ABOVE FLOOR , BELOW FLOOR
	BV	BALL VALVE
		BRANCH – TOP CONNECTION
or		BRANCH – BOTTOM CONNECTION
		BRANCH – SIDE CONNECTION
	COP	CAP ON END OF PIPE
	CW	COLD WATER
	CWD	COLD WATER DROP
	CWR	COLD WATER RISE
CO CO	CO	CLEANOUT
°F		DEGREES FAHRENHEIT
ø , □		DIAMETER , SQUARE (FEET)
Ø	CO	CLEANOUT
(FA) , (TA)		FROM ABOVE , TO ABOVE
(FB) , (TB)		FROM BELOW , TO BELOW
	GLV	GLOBE VALVE
Ø	CO	CLEANOUT
	HB	HOSE BIBB
	HW	HOT WATER PIPING
	HWRET	HOT WATER RETURN
	(N) , (E)	NEW , EXISTING
	(NTS)	NOT TO SCALE
	POC	POINT OF CONNECTION
RWL	RWL	RAINWATER LEADER
	WH	RECESSED BOX HOSE BIBB OR WALL HYDRANT
	RE , IE	RIM ELEVATION , INVERT ELEVATION
	(R) , (D)	RISE , DROP
		RISER DOWN (ELBOW)
		RISER UP (ELBOW)
	R , D	RISE OR DROP
	SS, W	SOIL, WASTE OR SANITARY SEWER ABOVE FLOOR
	SS, W	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
SD	SD	STORM DRAIN
	TYP	TYPICAL
	UN	UNION OR FLANGE
	VB	VALVE IN VALVE BOX (VALVE TYPE SYMBOL AS
	V	VENT PIPING
V , VR , VTR		VENT , VENT RISER , VENT THRU ROOF
	WCO	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTER

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP☐ MD☐ PP☒ E☐ IR 16-13 SECTION 2.1: PROJECT-SPECIFIC DESIGN.
MP☐ MD☐ PP☐ E☐ IR 16-13 SECTION 2.2 DESIGN BASED ON OSHPD OPM, PART OF PROJECT SUBMITTAL.
MP☐ MD☐ PP☐ E☐ IR 16-13 SECTION 2.2.6 DESIGN BASED ON OSHPD OPM, DEFERRED APPROVAL

PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE

SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
						BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
HB	HOSE BIBB	EXTERIOR WALL MOUNT NON-FREEZE – J.R. SMITH 5609QT OR WOODFORD MODEL 27, OR EQUAL.	WITH INTEGRAL VACUUM BREAKER PROTECTED, CARTRIDGE OPERATED HOSE VALVE WITH LOCK SHIELD BONNET AND REMOVABLE KEY HANDLE.	UNLESS OTHERWISE NOTED ON ARCH DRAWINGS, SET HEIGHT AT 18" ABOVE FINISHED FLOOR	–	–	–	3/4"	3/4"	–	–

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

196
1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 786-8178

CONSULTANTS

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WARREN CONSULTING ENGINEERS, INC.
1117 Windfield Way, Ste. 110
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11020 Sun Center Drive, Suite 100
Rancho Cordova, CA 95670
TEL (916) 851-3500

capital engineering
Rancho Cordova, California
MBUG - JCHUGIOH 250290.00
PM - DESIGN TEAM PROJECT NO.

PROFESSIONAL STAMP



DATE SIGNED: 11/10/2025

REVISIONS
ORIGINAL ISSUE DATE:
DATE

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
LODI, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 SOUTH PACIFIC AVENUE
LODI, CA 95242

SHEET TITLE

PLUMBING LEGENDS, NOTES, AND SCHEDULES

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.
P-001
BID ALT # 7

CONTRUCTION DOCUMENTS

QC	
INI	%

AGENCY APPROVAL: DSA# 02-123841

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

1715 R STREET, SUITE 200
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RANCHO CORDOVA, CALIFORNIA
MBJG - JCH/JG/OH 250290.00
PM - DESIGN TEAM PROJECT NO.

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
33458
Exp. 9/30/26
MECHANICAL
STATE OF CALIFORNIA
DATE SIGNED: 11/10/2025

REVISIONS
ORIGINAL ISSUE DATE:
DATE

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
LODI, CA 95240

LODI HIGH SCHOOL
AGRICULTURAL COMPLEX
3 SOUTH PACIFIC AVENUE
LODI, CA 95242

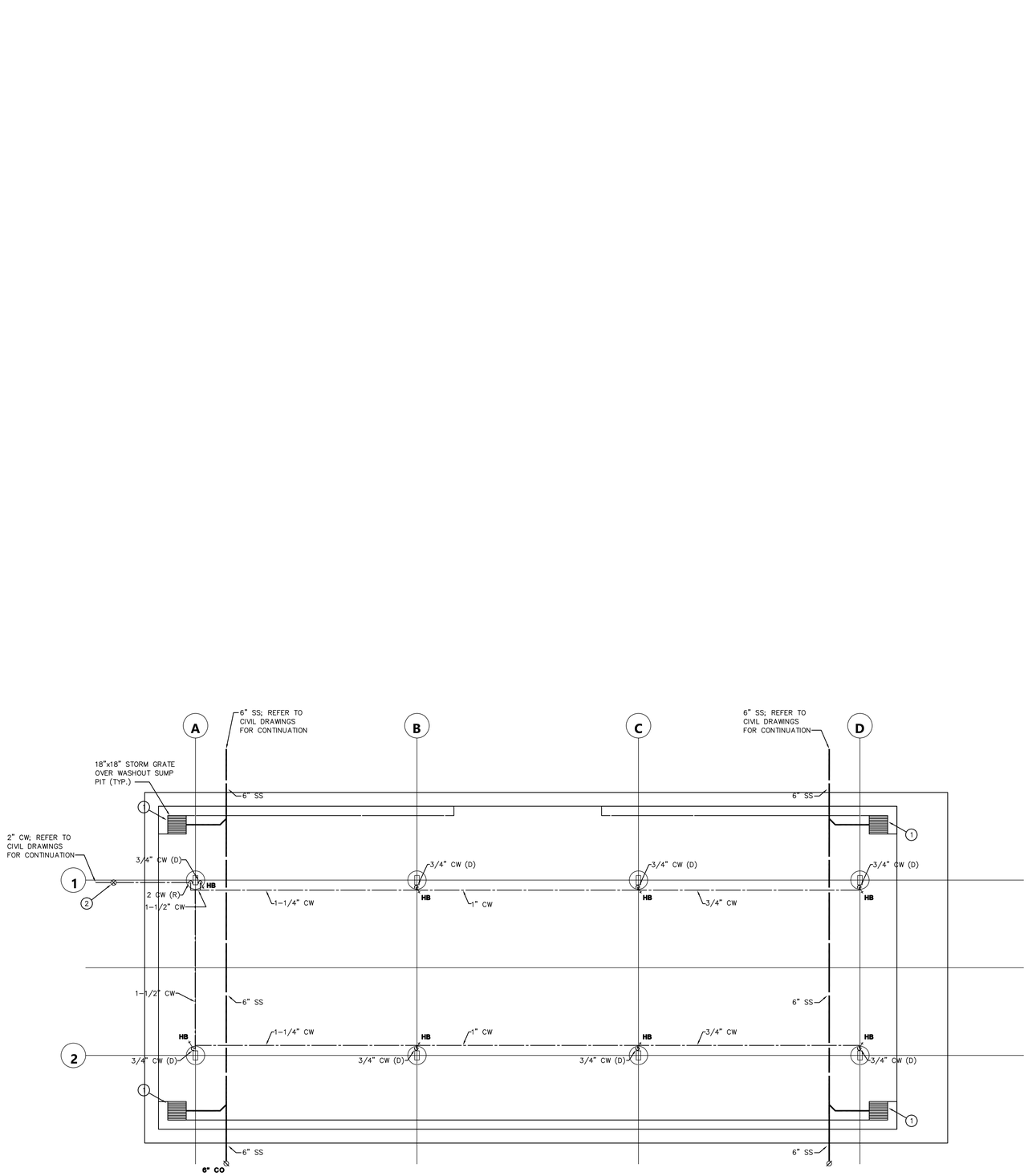
SHEET TITLE
PLUMBING FLOOR PLAN

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.
P-201
BID ALT # 7

CONSTRUCTION DOCUMENTS



SHEET NOTES:

1. SEE DETAIL 3/P-001 FOR PIPE SUPPORT DETAIL.

KEY NOTES:

(1) WASHOUT SUMP PIT, SEE DETAIL 1/P-001

(2) MAIN SITE WATER SHUTOFF, SEE DETAIL 2/P-001

TRUE NORTH

1" = 20'
0 10' 20' 40'

FLOOR PLAN 3/16" = 1'-0" 1

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AGENCY APPROVAL: DSA# 02-123841

ELECTRICAL ABBREVIATION

ABBREVIATION	DESCRIPTION
A	AMPERES, AMBER
AC	ALTERNATING CURRENT, AIR CONDITIONER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
C	CONDUIT, CLOSE, CONTROL
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CLG	CEILING
COM	COMMUNICATION
CT	CURRENT TRANSFORMER
CU	COPPER
(D)	DEMOLISH
DN	DOWN
(E)	EXISTING
EF	EXHAUST FAN
ECH	ELECTRIC CONVECTION HEATER
F	FUSE
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID STEEL CONDUIT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
MDB	MAIN DISTRIBUTION BOARD
MDP	MAIN DISTRIBUTION PANEL
MSB	MAIN SWITCHBOARD
MT, MTD	MOUNT, MOUNTED
MT	EMPTY CONDUIT WITH NYLON PULL CORD
N/A	NOT APPLICABLE
(N)	NEW
N	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OS	OCCUPANCY SENSOR
PH	PHASE
PHP	PACKAGED HEAT PUMP
PNL	PANEL
REF	REFERENCE
REQD	REQUIRED
S	SWITCH
SIM	SIMILAR
TELE	TELEPHONE
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS, VOLTAGE
W/	WITH
W	WIRE, WHITE
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	GENERAL
X / X	DETAIL NUMBER AND SHEET LOCATION
	NEW WORK
XX-X LOCATION	EQUIPMENT IDENTIFICATION
1	KEYED NOTE
	TECHNOLOGY
MDF	MDF
IDF	IDF
#	DATA
#D / #V	DATA / TELEPHONE OUTLET
#V	TELEPHONE OUTLET
2D WAP	WAP DATA OUTLET
HDMI	HDMI FACEPLATE
#	PROMETHEAN BOARD DATA
CK/SK	CLOCK / SPEAKER COMBO
IM	INTRUSION MOTION SENSOR
DC	DOOR CONTACT
AV HC	HDMI FACEPLATE
2D	PROJECTOR
TV	LED TV
	MISCELLANEOUS
#10 B-27,29,31. B-27,29,31.	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
	BRANCH PANEL
	CIRCUIT BREAKER
	CURRENT TRANSFORMER
M	DIGITAL TYPE METER WITH VOLTMETER, AMMETER, KW METER, KVA METER, KVAR METER, AND %THD METER
	EQUIPMENT CONNECTION ITEM. REFER TO SCHEDULE

ELECTRICAL LEGEND

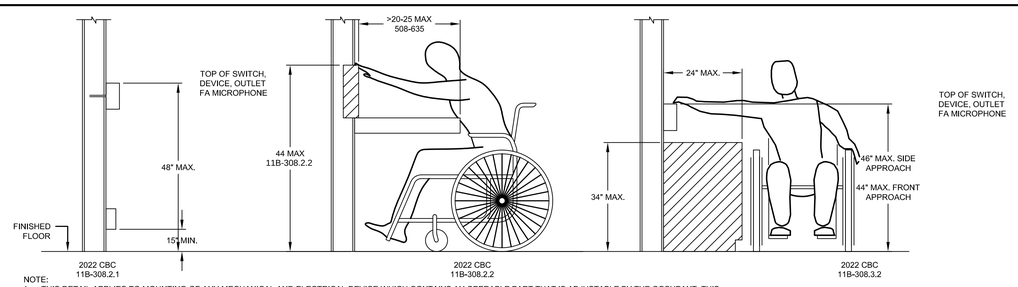
SYMBOL	DESCRIPTION
UT	UTILITY TRANSFORMER PAD/VAULT
	WALL MOUNTING BRACKET
	WATER PIPE GROUND CONNECTION
	CONNECTIONS / EQUIPMENT
	HEAVY DUTY FUSED DISCONNECT SWITCH
J OR J	JUNCTION BOX
	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
J	WALL-MOUNTED JUNCTION BOX
	NON-FUSED DISCONNECT SWITCH
T	TRANSFORMER
M	DOORBELL - NUTONE #LA11WH +7'-6"
	DOORBELL PUSH BUTTON
	ENCLOSED CIRCUIT BREAKER
	RACEWAYS
	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ROUTED BELOW FLOOR / GRADE
	CATV ROUTED BELOW FLOOR / GRADE
	TEL/DATA ROUTED BELOW FLOOR / GRADE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
	FLEXIBLE CONDUIT
	TELEPHONE BACKBOARD
	FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
	FLUSH WALL MOUNTED BRANCH PANEL
	GROUND ROD
	GROUNDING POINT
	LANDING LUG
	MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
M	METER WITH CONNECTION
	SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	SWITCHES AND RECEPTACLES
	DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER B = CLOCK HANGER C = FLUSH CEILING MOUNTED E = EMERGENCY F = ARC FAULT PROTECTED BY BREAKER IN PANEL G = GROUND FAULT CIRCUIT INTERRUPTER H = HOSPITAL GRADE K = CHILD RESISTANT COVER L = ISOLATED GROUND P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH S = SPLIT WIRED T = TAMPER RESISTANT SHUTTERED RECEPTACLE W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE ? = DESIGNER DEFINED
	SPLIT DUPLEX RECEPTACLE, TOP IS CONTROLLED
	DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
	SINGLE RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
	EQUIPMENT ELECTRICAL CONNECTION
	SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
$	SINGLE POLE SWITCH 2 = DOUBLE POLE SWITCH 3 = THREE-WAY SWITCH 4 = FOUR-WAY SWITCH a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION F = FAN SPEED CONTROL K = KEY OPERATED SWITCH L = LIGHTED HANDLE M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD P = SWITCH WITH PILOT LIGHT S = SENTRY SWITCH T = INTERVAL TIMER W = WEATHERPROOF SWITCH V = LOW VOLTAGE SWITCH ? = DESIGNER DEFINED SWITCH
D a,b,c	MANUAL DIMMER WITH ON/OFF OVERRIDE. PROVIDE SEPARATE DIMMER AND BOX FOR EACH ZONE INDICATED.
OS	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR WITH DIMMER AND MANUAL ON/OFF OVERRIDE
	DUPLEX RECEPTACLE, FLUSH FLOOR
OS	CEILING MOUNTED OCCUPANCY SENSOR (SELF CONTAINED)
DS	CEILING MOUNTED DAYLIGHTING SENSOR
XX-1 (SEE SCHEDULE)	MOTOR / ELECTRICAL EQUIPMENT

DEVICE OUTLETS SHALL BE NO MORE THAN +48" AFF TO TOP OF BOX NOR LESS THAN +15"AFF TO BOTTOM OF BOX PER CBC 11B-308.1.2

MOUNTING OVER OBSTRUCTION DETAIL



NOTE:
1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT. THIS DOES NOT APPLY TO SENSORS OR CONTROLS THAT ARE ONLY ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM (IE: TEMPERATURE AND HUMIDITY SENSORS).

ADD ALTERNATE NOTES:

1. BID ALTERNATE #1: ELECTRICAL RUN TO NEW PB 5' OFF THE SHADE STRUCTURE.
2. BID ALTERNATE #2: PROVIDE POWER TO THE SHADE STRUCTURE.
3. BID ALTERNATE #3: PROVIDE LIGHTS AND CEILING FANS.

ELECTRICAL GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.

B. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS.

C. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS AND TRADES.

D. THESE DRAWINGS, AS PREPARED, ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE, COORDINATE EXACT LOCATIONS AND REQUIRED CLEARANCES WITH EQUIPMENT SUPPLIER AND ALL TRADES PRIOR TO INSTALLATION.

E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE EQUIPMENT INDICATED WITHIN THESE DRAWINGS UNLESS OTHERWISE NOTED. VERIFY LOCATION AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND / OR INSTALLATION.

F. ALL ROOF PENETRATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE. COORDINATE WITH OWNER'S ROOFING CONTRACTOR SO AS NOT TO VOID ANY EXISTING ROOF WARRANTIES.

G. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FREE OF DEFECTS AND CONTRACTOR SHALL REPAIR AND / OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO COST TO THE OWNER FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY ARCHITECT OR ENGINEER.

H. ALL WORK SHALL BE SUBJECT TO THE ACCEPTANCE AND APPROVAL OF THE ARCHITECT AND OWNER. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE OF PROPER NOTIFICATION DOES NOT RELIEVE THE CONTRACTOR. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.

I. ALL JUNCTION BOXES SHOWN ON THIS PLAN ARE TO BE INSTALLED ABOVE THE FINISHED CEILING.

ELECTRICAL DEMOLITION NOTES

A. THE ELECTRICAL DRAWING SET IS PREPARED BASE OF LIMITED FIELD OBSERVATION ONLY. ACTUAL CONDITIONS MAY VARY IN FIELD. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER OF RECORD PRIOR TO BID.

B. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.

C. DISCONNECT AND MOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.

D. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY TO CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.

E. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUIT ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

F. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATION/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

G. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.

H. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).

I. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING(MP), MECHANICAL DUCTS(MD), PLUMBING PIPING(PP), ELECTRICAL DISTRIBUTION SYSTEMS(E):

MP☐ MD☐ PP☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐ MD☐ PP☐ E ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP☐ MD☐ PP☐ E ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

SHEET INDEX

E-001	ELECTRICAL COVER SHEET
E-002	ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES
E-101	ELECTRICAL SITE PLAN
E-102	ENLARGED ELECTRICAL SITE PLAN
E-201	ELECTRICAL FLOOR PLANS
E-300	ELECTRICAL DETAILS
E-400	TITLE 24 - LTI FORMS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
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DATE: 01/09/2026

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PM - DESIGN TEAM PROJECT NO.

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER JOHN D. GUMMERD E 24187 EXPIRES 9/30/26 ELECTRICAL STATE OF CALIFORNIA

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ORIGINAL ISSUE DATE: DATE

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PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
LODI, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 SOUTH PACIFIC AVENUE
LODI, CA 95242

SHEET TITLE
ELECTRICAL COVER SHEET

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.
E-001
BID ALTS #1, 2 & 3

CONTRUCTION DOCUMENTS

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AGENCY APPROVAL: DSA# 02-123841

PANELBOARD SCHEDULE - P12

DESIGNATION	FEEDER NO.	POLES & AMPS	LOAD, VA LTG.	RECPT.	OTHER	C K	P H	C K	LOAD, VA LTG.	RECPT.	OTHER	POLES & AMPS	FEEDER NO.	DESIGNATION
LIGHTING	1	1/20	300			1	A	2			300	2/20	1	CF-1
NORTH RECEPTACLES	1	1/20		720		3	B	4						
SOUTH RECEPTACLES	1	1/20		720		5	C	6			300	2/20	1	CF-2
CF-3	1	2/20			300	7	A	8						
						9	B	10				1/20		SPARE
SPARE		1/20				11	C	12				1/20		SPARE
SPARE		1/20				13	A	14				1/20		SPARE
SPARE		1/20				15	B	16				1/20		SPARE
SPARE		1/20				17	C	18				1/20		SPARE
SPARE		1/20				19	A	20				1/20		SPARE
SPACE						21	B	22						SPACE
SPACE						23	C	24						SPACE
SECTION SUB-TOTALS			300	1440	300				0	0	600			SECTION SUB-TOTALS

CATEGORY	CONN. LOAD KVA	AMPS	DESIGN LOAD DIV.	KVA	AMPS
LIGHTING:	0.3	0.8	1.25	0.4	1.0
RECEPTACLE:	1.4	4.0	1.00	1.4	4.0
MOTORS:	0.9	2.5	1.00	0.9	2.5
SPECIAL LOADS:	0.0	0.0	1.00	0.0	0.0
ELECTRIC HEATING:	0.0	0.0	1.00	0.0	0.0
WATER HEATING:	0.0	0.0	1.00	0.0	0.0
TOTAL:	2.6	7.3		2.7	7.5

MOUNTING:	SURFACE
VOLTS:	120/208
PHASE/WIRE:	3/4
MAINS SIZE:	100 AMPS
MAINS TYPE:	MCB
BUSS TYPE:	COPPER
BRKR TYPE:	BOLT-IN
A.I.C. (RMS):	10,000
A Phase 0.9	Connected Kva
B Phase 0.7	Connected Kva
C Phase 1.0	Connected Kva

REMARKS:
- PROVIDE GFI BREAKER

FEEDER NO.:
1 = 3/4" C - 2#12, #12G

BID ALTERNATE 2

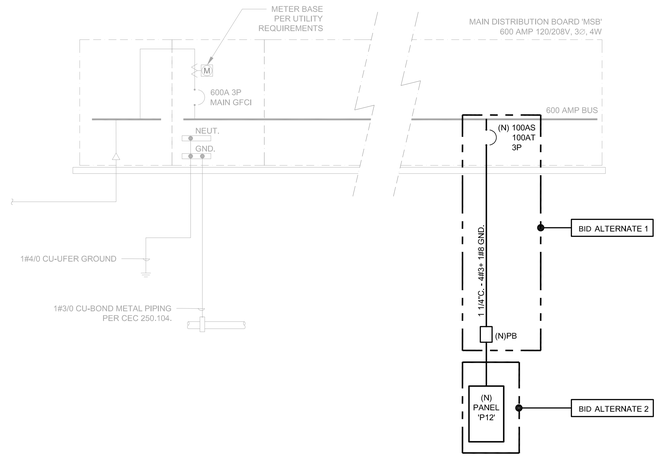
LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	LAMPS	VOLTS	WATTS	COLOR	LUMENS	MOUNTING	NOTES
L1	LINEAR VAPOR TIGHT LED STRIP LIGHT	LITHONIA LIGHTING CSVT-L48-4000LM-MVOLT-35K-80CRI OR APPROVED EQUAL	LED	120	34	35K	4000	SURFACE (3/E-300)	1

NOTES:
1 COORDINATE FINAL MOUNTING HEIGHT IN FIELD WITH ARCHITECT.

GENERAL NOTES:
A. THIS LIGHTING SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING ELECTRICAL SPECIFICATIONS.
SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.
B. PROVIDE SUBMITTALS THAT INCLUDE LIGHTING FIXTURE, LAMP, AND DRIVER INFORMATION FOR EACH FIXTURE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.
C. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 COMMISSIONING REQUIREMENTS.
D. COORDINATE COLOR TEMPERATURE WITH ARCHITECT.

BID ALTERNATE 3



ONE LINE DIAGRAM

SCALE : NONE

1
E-002

SHEET NOTES:

1. REFER TO SHEET E-001 FOR BID ALTERNATES.

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RANCHO CORDOVA, CALIFORNIA
MBUG - JCH/JG/OH — PM - DESIGN TEAM
250290.00 — PROJECT NO.

PROFESSIONAL STAMP

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JOHN D. GUMMOW
E 24187
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ELECTRICAL
STATE OF CALIFORNIA

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LODI UNIFIED SCHOOL DISTRICT

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LODI, CA 95240

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3 SOUTH PACIFIC AVENUE
LODI, CA 95242

SHEET TITLE
ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.
E-002
BID ALTS #1, 2 & 3

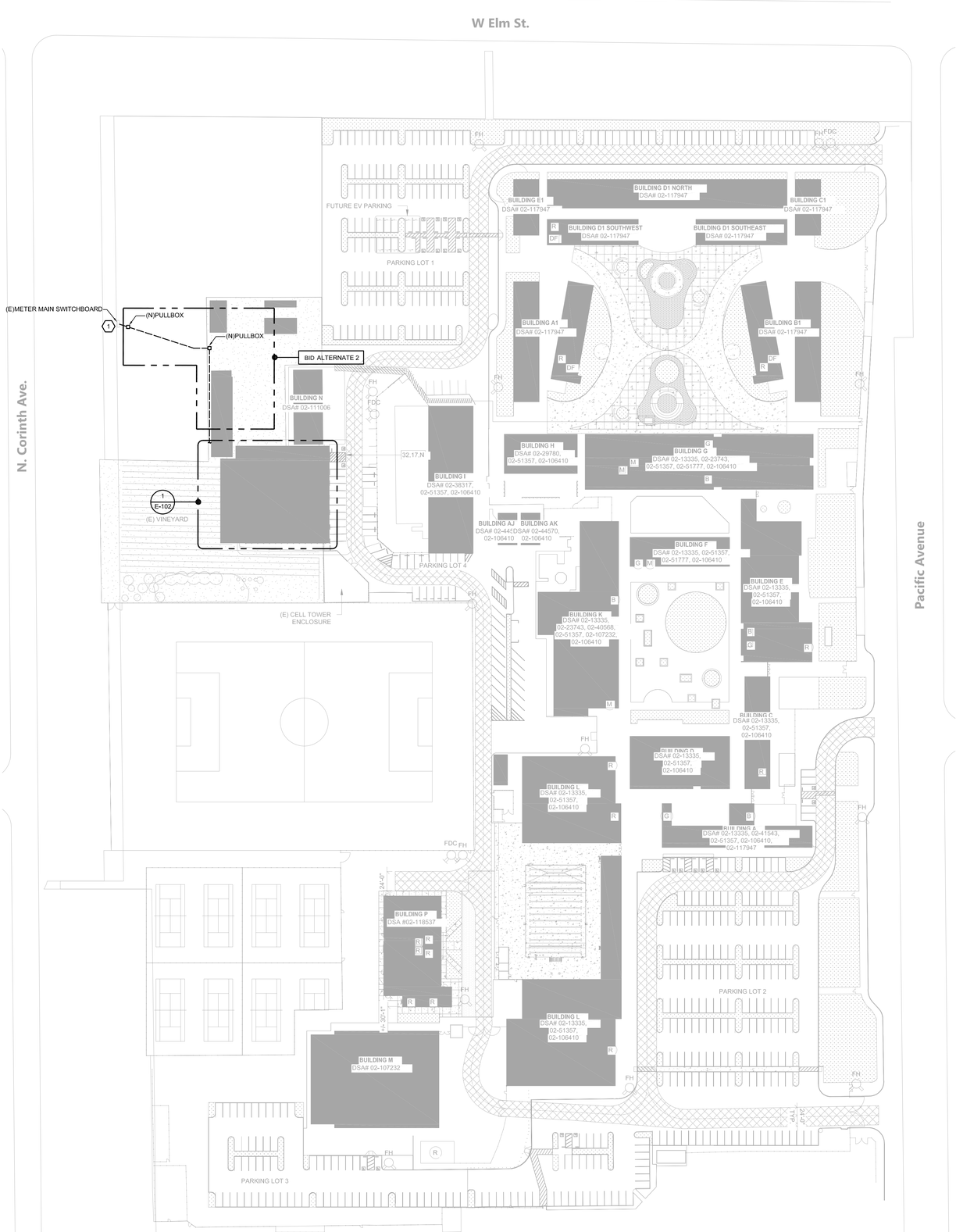
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ELECTRICAL SITE PLAN

SCALE : 1"=60'-0"

1 / E-101

SHEET NOTES:

1. REFER TO SHEET E-001 FOR BID ALTERNATES.

KEY NOTES:

(1) ADD NEW 100A CIRCUIT BREAKER TO EXISTING SWITCHBOARD. NEW CIRCUIT BREAKER TO BE INSTALLED IN EXISTING SWITCHBOARD SHALL MATCH ALL CHARACTERISTICS AND KAIC RATINGS.

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LODI, CA 95240

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3 SOUTH PACIFIC AVENUE
LODI, CA 95242

SHEET TITLE

ELECTRICAL SITE PLAN

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.

E-101
BID ALTS #2

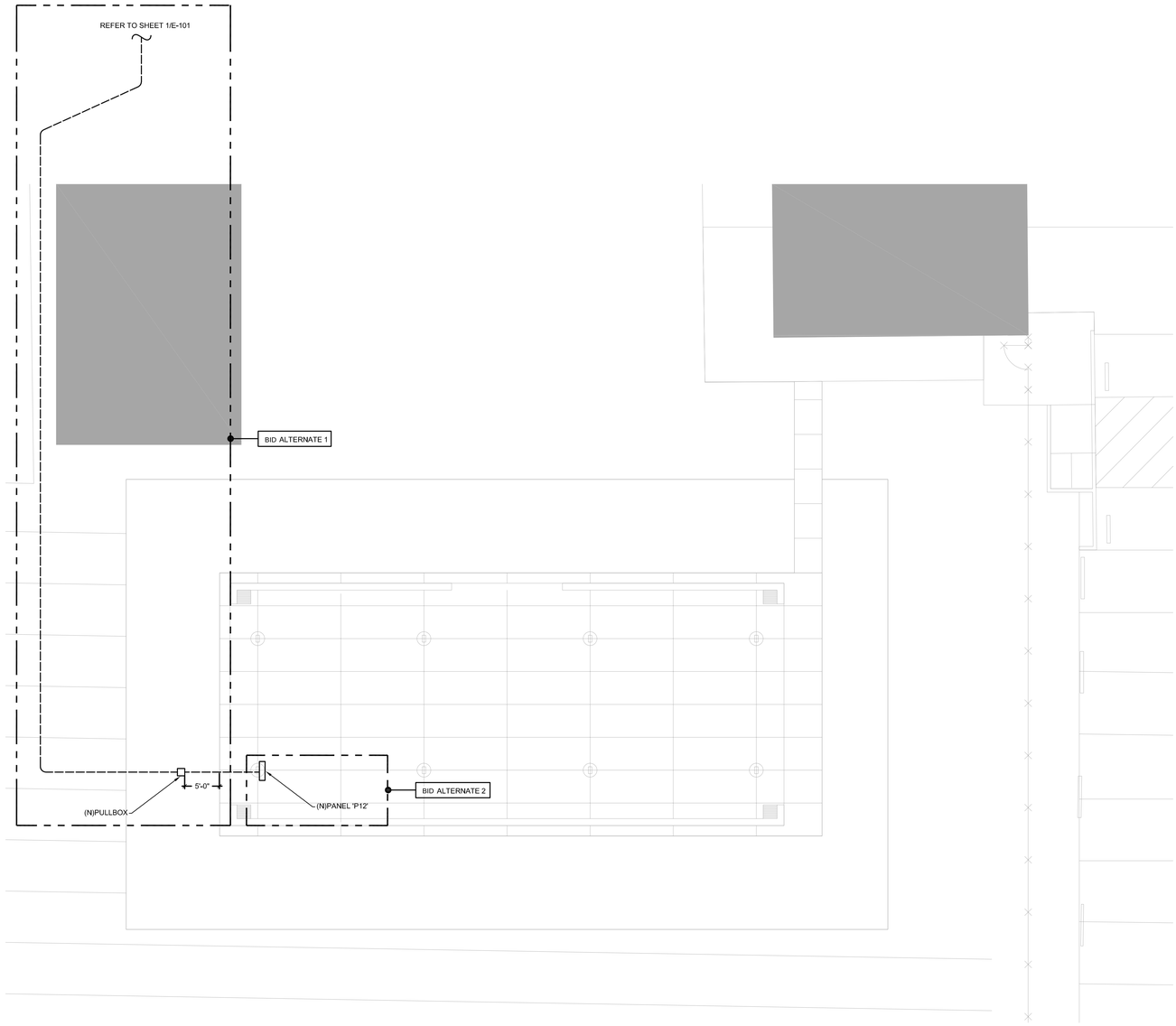
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AGENCY APPROVAL: DSA# 02-123841



ENLARGED ELECTRICAL SITE PLAN

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

1
E-102

SHEET NOTES:

1. REFER TO SHEET E-001 FOR BID ALTERNATES.

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LODI HIGH SCHOOL AGRICULTURAL COMPLEX

3 SOUTH PACIFIC AVENUE
LODI, CA 95242

SHEET TITLE

ENLARGED ELECTRICAL SITE PLAN

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.

E-102

BID ALTS #1 & #2

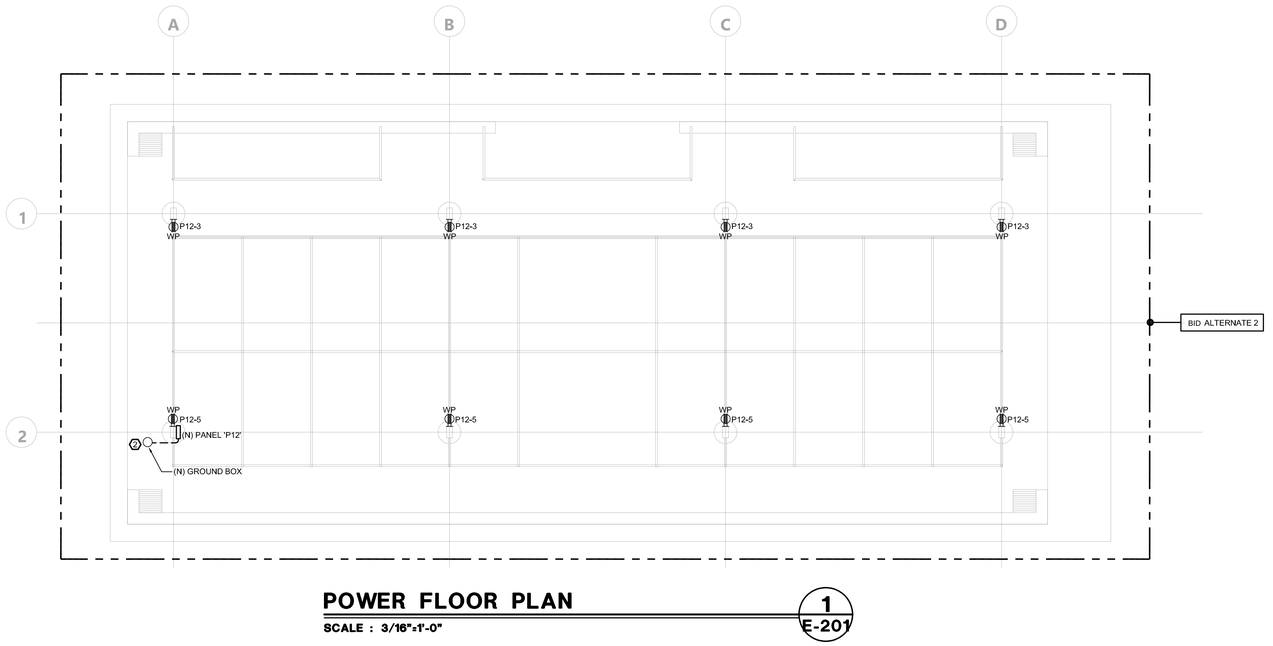
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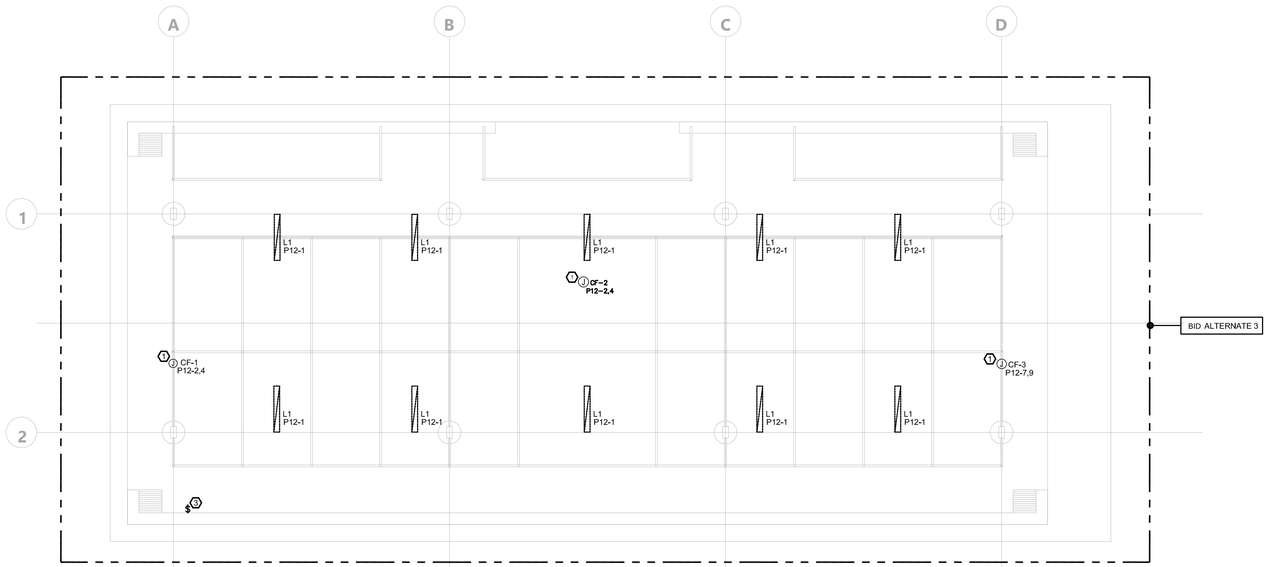
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POWER FLOOR PLAN — 1 / E-201

SCALE : 3/16"=1'-0"



LIGHTING FLOOR PLAN — 2 / E-201

SCALE : 3/16"=1'-0"

SHEET NOTES:

1. REFER TO SHEET E-001 FOR BID ALTERNATES.

KEY NOTES:

1. PROVIDE POWER FOR FANS.
2. REFER TO DETAIL 2/E-300 FOR GROUND ROD INSTALLATION DETAIL.
3. PROVIDE INTERMATIC IN-WALL COUNTDOWN TIMER SWITCH MODEL #EI220W.

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SHEET TITLE

ELECTRICAL FLOOR PLANS

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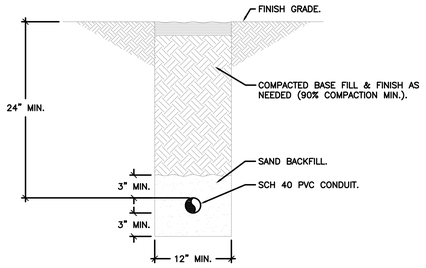
SHEET NO.

E-201

BID ALTS #2 & #3

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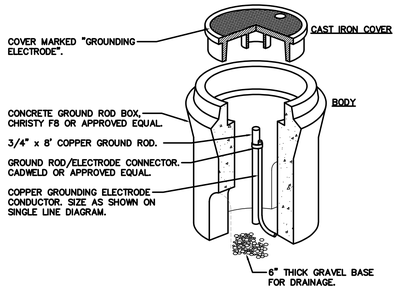
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TYPICAL TRENCH DETAIL

SCALE : NO SCALE

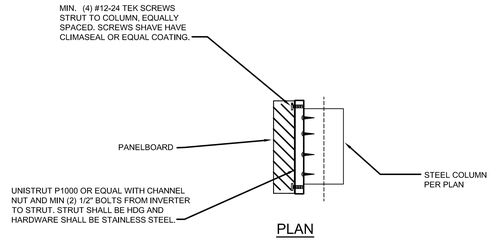
1 / E-300



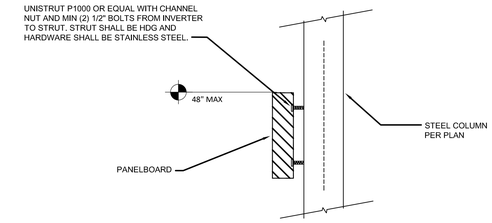
TYPICAL CONCRETE GROUND ROD DETAIL

SCALE : NO SCALE

2 / E-300



PLAN

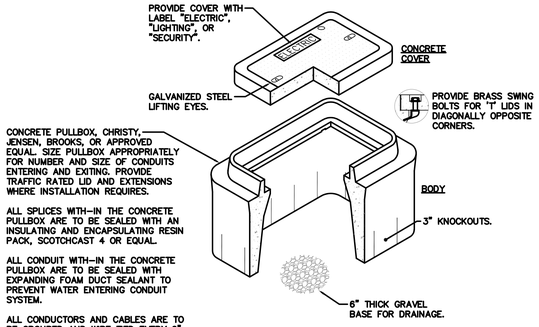


ELEVATION

SURFACE MOUNTED PANELBOARD

SCALE : NO SCALE

5 / E-300



TYPICAL CONCRETE PULLBOX DETAIL

SCALE : NO SCALE

4 / E-300

SURFACE MOUNTED LIGHTING MOUNTING DETAIL

SCALE : NO SCALE

3 / E-300

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

196
1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 786-8178

CONSULTANTS

CIVIL ENGINEER
WARREN CONSULTING ENGINEERS, INC.
1117 Windfield Way, Ste. 110
El Dorado Hills, CA 95762
TEL (916) 985-1870 FAX (916) 985-1877

MECHANICAL ENGINEER
CAPITAL-ENGINEERING
11020 Sun Center Drive, Suite 100
Rancho Cordova, CA 95670
TEL (916) 851-3500

capital engineering
RANCHO CORDOVA, CALIFORNIA
MBUG - JCH/GI/DH
PM - DESIGN TEAM
250290.00
PROJECT NO.

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
JOHN D. GUMANIO
E 24187
EXPIRES 9/30/26
ELECTRICAL
STATE OF CALIFORNIA

REVISIONS
ORIGINAL ISSUE DATE:
DATE

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
LODI, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 SOUTH PACIFIC AVENUE
LODI, CA 95242

SHEET TITLE
ELECTRICAL DETAILS

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX
JOB NUMBER: 24392.01

SHEET NO.
E-300
BID ALTS #1, 2 & 3

CONTRUCTION DOCUMENTS

FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt
DATE PLOTTED: 9/18/2025 7:05:05 PM

QC	
INI	%

AGENCY APPROVAL: DSA# 02-123841

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Lodi High School Agricultural Complex	**Report Page:** (Page 3 of 7)
	Date Prepared: 11/10/2025

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
L1	L1	☐ Linear	34	Mfr. Spec	10	New	☐	340	NA: < 6200 lumens	☐	☐
							Total Design Watts:	340			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
[2] For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
[3] Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
[4] Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Lodi High School Agricultural Complex	**Report Page:** (Page 2 of 7)
	Date Prepared: 11/10/2025

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv																
01		02		03		04		05		06		07		08		09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)		**07 must be >= 08**
0	+	---	+	---	+	---	+	340	OR	---	=	340	≥	340		COMPLIES
Shielding Compliance (See Table G for Details)																N/A
Controls Compliance (See Table H for Details)																COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Lodi High School Agricultural Complex	**Report Page:** (Page 1 of 7)
Project Address: 3 South Pacific Avenue	**Date Prepared:** 11/10/2025

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Lodi	04	Total Illuminated Hardscape Area (ft^2)	0
02	Climate Zone	12			
03	Outdoor Lighting Zone per Title 24 Part 1	10.114 or as designated by Authority Having Jurisdiction (AHJ):			
☐	LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐	LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
• All Other Occupancies					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Lodi High School Agricultural Complex	**Report Page:** (Page 6 of 7)
	Date Prepared: 11/10/2025

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Shade Structure ;

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Lodi High School Agricultural Complex	**Report Page:** (Page 5 of 7)
	Date Prepared: 11/10/2025

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B /Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
Area Description	Specific Area Type per Table 140.7-B	CALCULATED ALLOWANCE (Watts)			DESIGN WATTS				Additional Allowance (Watts)
		Specific Area (ft^2)[1]	Allowed Density (W/ft^2)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	
Shade Structure	NonSalesCanopy	2800	0.1	383.6	L1	34	10	340	340
							Total Design Watts for this Area:	340	
								Total Allowance (Watts) All Areas:	340

[1] FOOTNOTES: See Table 140.7-B /Table 170.2-S for rules for calculating the specific areas (ft^2 for these additional lighting allowances.
[2] For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Lodi High School Agricultural Complex	**Report Page:** (Page 4 of 7)
	Date Prepared: 11/10/2025

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Shade Structure	Astronomical Timer	Provided	NA: Not permitted by H&LS	☐	☐

[1] FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
[2] Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
[3] Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
☐ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☒ Per Specific Area Table M	

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Lodi High School Agricultural Complex	**Report Page:** (Page 7 of 7)
Project Address: 3 South Pacific Avenue	**Date Prepared:** 11/10/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ons Hassine	Documentation Author Signature:
Company: Capital Engineering Consultants Inc.	Signature Date: 2025-11-10
Address: 11020 Sun Center Dr Ste 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Rancho Cordova CA 95670	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John Gumawid	Responsible Designer Signature:
Company: Capital Engineering Consultants Inc.	Date Signed: 2025-11-10
Address: 11020 Sun Center Dr. Suite 100	License: E24187
City/State/Zip: Rancho Cordova CA 95670	Phone: 9168513583

1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 786-8178

CONSULTANTS

CIVIL ENGINEER
WARREN CONSULTING ENGINEERS, INC.
1117 Windfield Way, Ste. 110
El Dorado Hills, CA 95762
TEL (916) 985-1870 FAX (916) 985-1877

MECHANICAL ENGINEER
CAPITAL-ENGINEERING
11020 Sun Center Drive, Suite 100
Rancho Cordova, CA 95670
TEL (916) 851-3500

capital engineering
RANCHO CORDOVA, CALIFORNIA
MBUG - JCH/JG/OH — PM - DESIGN TEAM
250290.00 — PROJECT NO.

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — JOHN D. GUMAWID — E 24187 — EXPIRES 9/30/26 — ELECTRICAL — STATE OF CALIFORNIA

REVISIONS
ORIGINAL ISSUE DATE: DATE

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT

1305 East Vine St.
LODI, CA 95240

LODI HIGH SCHOOL AGRICULTURAL COMPLEX
3 SOUTH PACIFIC AVENUE
LODI, CA 95242

SHEET TITLE

TITLE 24 - LTI FORMS

SHEET ISSUE DATE: 12/02/25

DRAWN BY: XX JOB NUMBER: 24392.01

SHEET NO.

E-400

BID ALTS #1, 2 & 3

CONTRUCTION DOCUMENTS

DATE PLOTTED: 9/18/2025 7:05:05 PM FILE LOCATION: Autodesk Docs://24392 - Lodi HS Ag Barn/24392_Lodi HS_Ag Complex_A24.rvt

M BAR C VERSA-CANOPY 22.2



PC OWNERSHIP

M BAR C CONSTRUCTION INC.

1770 LA COSTA MEADOWS DR.
SAN MARCOS, CA 92078

LIC # 869960
B AND C51

POINT OF CONTACT:
GREG JONES

PHONE: (760) 744-4131
FAX: (760) 744-4449

STANDARD NOTES FOR PC USE

- 4 S.T.E.L. ENGINEERING, INC. IS AVAILABLE TO BID THE GENERATION OF THE FULL DSA SUBMITTAL PACKAGE ACTING AS THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE (DPGRC) OR TO SUPPORT THE DPGRC AS THE SITE SPECIFIC STRUCTURAL ENGINEER OF RECORD (SEOR). CONTACT DUSTIN ROSEPINK AT 4 S.T.E.L. ENGINEERING, INC FOR A PROPOSAL FOR SERVICES AT (949) 305-1150, DKRPINK@4STELENG.COM
- FOR CONSTRUCTION COST INFORMATION, CONTACT M BAR C CONSTRUCTION, INC.
- CUSTOM SIZES AND LOADING REQUIRE SUPPLEMENTARY SHOP DRAWINGS AND CALCULATIONS.

LEGAL NOTES

- USE OF THE PC WITHOUT WRITTEN CONSENT FROM M BAR C CONSTRUCTION, INC. IS STRICTLY PROHIBITED.
- ALL INFORMATION HEREIN IS PROPRIETARY INFORMATION AND UNDER THE OWNERSHIP OF M BAR C CONSTRUCTION, INC.

DESIGN PARAMETER NOTES

1. REFER TO SHEET S-2 FOR 'DESIGN CHECK LIST' AND 'SITE SPECIFIC PARAMETERS'.
2. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED FROM A GEOTECHNICAL ENGINEER IS REQUIRED IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC DRAWINGS ARE STILL APPLICABLE. UNLESS THE BOTTOMS OF FOUNDATIONS ARE RAISED ABOVE THE DESIGN FLOOD ELEVATION, A VALIDATION LETTER FROM THE GEOTECHNICAL ENGINEER SHALL BE PROVIDED, EVEN IF THE PRESUMPTIVE LOAD BEARING VALUES PER CBC SECTION 1806A.2 ARE USED.
   EXCEPTION: WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE D (UNDEFINED) AND THE APPLICANT PROVIDES EVIDENCE FROM THE LOCAL JURISDICTION OR A QUALIFIED DESIGN PROFESSIONAL CONFIRMING THE SITE IS NOT IN A FLOOD HAZARD ZONE.
3. WET STAMPED & SIGNED COPIES OF PC PLANS ARE NOT REQUIRED FOR SITE SPECIFIC PC USE.
4. CHANGES TO PC DOCUMENTS ARE GOVERNED BY DSA PL 07-02, SECTION 5. INCONSEQUENTIAL CHANGES MAY BE MADE TO THE EXTENT THAT THEY CAN BE REVIEWED WITHIN THE TWO-HOUR OTC TIME FRAME. CHANGES TO CODE-REGULATED ASPECTS TO PC DOCUMENTS ARE NOT PERMITTED AND SHALL BE SUBMITTED AND REVIEWED THROUGH THE REGULAR PLAN REVIEW PROCESS.
5. THE SITE SPECIFIC DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE IS RESPONSIBLE FOR ENSURING ALL INFORMATION SHOWN IN THE DESIGN PARAMETER CHECKLIST ARE MET AND PROVIDED AT THE TIME OF DSA SUBMITTAL.
6. THE SITE SPECIFIC DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE IS RESPONSIBLE FOR ENSURING 4 S.T.E.L. ENGINEERING, INC. HAS BEEN PROPERLY CONTRACTED TO PERFORM THE ROLE AS SEOR. NO OTHER FIRM SHALL PERFORM THE SEOR ROLE. 4 S.T.E.L. ENGINEERING, INC./DUSTIN ROSEPINK SHALL ONLY ACT AS THE SEOR IF PROPERLY CONTRACTED.
7. 4 S.T.E.L. ENGINEERING, INC./DUSTIN ROSEPINK WILL NOT SIGN ANY DSA FORMS (I.E. DSA-5, DSA-6, ETC.), REVIEW OR APPROVE ANY SUBMITTALS (I.E. GEOTECHNICAL REPORTS, CONCRETE MIX DESIGNS, SHOP DRAWINGS, ETC.) FOR THE SITE SPECIFIC PROJECT UNLESS HE IS ACTING AS THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR THE SITE SPECIFIC STRUCTURAL ENGINEER OF RECORD PER NOTE 3 ABOVE.
8. THE PC STRUCTURAL MEMBERS ARE DESIGNED TO THE FOLLOWING ASCE 7-16 (SUPPLEMENT 3) SEISMIC CRITERIA: S_S = 2.8, S_{DS} = 1.867, S_1 = 1.39, R = 1.25.
9. CUSTOM SIZES & LOADINGS REQUIRE SUPPLEMENTARY SHOP DRAWINGS & CALCULATIONS.
10. THE PC STRUCTURE(S) ARE APPROVED FOR BOTH CLEAR AND OBSTRUCTED WIND FLOW.

SHEET INDEX

- [x] S-1 .....COVER SHEET 1
- [x] S-2 .....GENERAL DATA
- [x] S-3 .....GENERAL NOTES
- [x] S-4 .....SAMPLE DSA-103 FORMS
- [x] S-5 .....SECTION PROPERTIES & REBAR DETAILS
- [x] S-6 .....VC14, VC18, VC20, VC24, VC28 & VC30 FRAMING PLAN & ELEVATIONS
- [x] S-7 .....VC14, VC18, VC20, VC24, VC28 & VC30 FRAMING SCHEDULES
- [ ] S-8 .....VC140, VC180, VC200, VC240, VC280 & VC300 FRAMING PLAN & ELEVATIONS
- [ ] S-9 .....VC140, VC180, VC200, VC240, VC280 & VC300 FRAMING SCHEDULES
- [x] S-10 .....PIER FOUNDATION & SPREAD FOOTING SCHEDULES
- [x] S-11 .....STANDARD DETAILS 1
- [x] S-12 .....STANDARD DETAILS 2
- [x] S-13 .....STANDARD DETAILS 3

13 SHEETS

BID INFORMATION

THE STEEL STRUCTURES IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. THE STEEL WORK SHALL NOT GO OUT TO BID.

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

4 STEL ENGINEERING
26030 ACERO,
MISSION VIEJO, CA 92691
949.305.1150 | FAX 949.305.1420

M BAR C CONSTRUCTION INC.
1770 LA COSTA MEADOWS DRIVE, SAN MARCOS, CA 92078
ERIK KRIVOKOPICH
PHONE: (760) 744-4131
FAX: (760) 744-4449
ERIK@MBARCONLINE.COM
LIC # 869960
B AND C51
(775) 787-8845

ENGINEER'S APPROVAL

REGISTERED PROFESSIONAL ENGINEER
DUSTIN K. ROSEPINK
S 5885
STATE OF CALIFORNIA

SITE SPECIFIC INFORMATION

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122195 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/26/2023

REVISIONS

MARK	DATE	DESCRIPTION

4 STEL JOB #	MC03-V3-02
DATE	09-20-23
DRAWN BY	NML
CHECKED	CDL

COVER SHEET

S-1

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE

DESIGN CHECK LIST

INSTRUCTIONS:
DESIGN PROFESSIONAL SHALL ENSURE ADEQUACY OF PC DESIGN AND PLAN PREPARATION BY VERIFYING THAT ALL THE APPLICABLE CHECKLIST ITEMS BELOW HAVE BEEN PROPERLY EVALUATED/EXECUTED

SUBMISSION IS FOR: ☐ OTC ☐ REGULAR SUBMITTAL

SEOR

- ☐ S-2: VERIFY THAT TABLES IN 'SITE SPECIFIC PARAMETERS' SECTION HAVE BEEN COMPLETED
- ☐ S-2: VERIFY IF CGS APPROVAL OF GEOTECHNICAL REPORT REQUIRED BECAUSE INDIVIDUAL PC STRUCTURES EXCEED 4000 SQ FT OR SITE IS LOCATED IN A STATE OR LOCAL GEOHAZARD ZONE. STRUCTURES MAY BE BROKEN UP INTO MULTIPLE 4,000 SQ FT STRUCTURES WITH SEISMIC BREAKS PER SEISMIC GAPS ON S-2.
- ☐ S-2: VERIFY SITE-SPECIFIC WIND PARAMETERS AT ANY AND ALL SITES WHERE THIS PC IS USED. THIS PC DESIGN IS BASED ON WIND SPEED 99 OR 130 MPH FOR RISK CATEGORY II TYPE STRUCTURES UTILIZING EXPOSURE TYPE C PER ASCE 7-16.
- ☐ S-2: VERIFY THE MAXIMUM SEISMIC S_{DS} AT THE SITE DOES NOT EXCEED S_{DS} = 1.867
- ☐ S-2: VERIFY THE SITE SPECIFIC SNOW LOAD AND ENSURE ALL SITE SPECIFIC PC SELECTIONS MEET OR EXCEED THE SITE SPECIFIC SNOW LOAD. THIS PC HAS OPTIONS FOR NO SNOW AND 45.4 PSF SNOW LOAD. VERIFY THE SITE SPECIFIC DESIGN PROFESSIONAL HAS PROVIDED THE PROPER SITE SPECIFIC VALUES FOR P_G, P_F, P_S, C_E, I, C_T. FOR SNOW LOADS IF THE HORIZONTAL SEPARATION FROM ANY STRUCTURE IS LESS THAN 20-FT, SNOW DRIFT ANALYSIS SHALL BE PROVIDED BY THE PC APPLICANT, AND THE SITE APPLICATION IS NOT ELIGIBLE FOR OVER-THE-COUNTER (OTC) SUBMITTAL.
- ☐ S-2: VERIFY THAT TABLES IN 'SITE SPECIFIC PARAMETERS' SECTION HAVE BEEN COMPLETED
- ☐ S-2: VERIFY THE SITE SPECIFIC PLANS UTILIZE A RISK CATEGORY II STRUCTURE. RISK CATEGORY II STRUCTURES SHALL NOT PROVIDE SHELTER FOR EMERGENCY VEHICLES OR EQUIPMENT; OR PROVIDE REQUIRED ACCESS TO, REQUIRED EGRESS FROM, OR SHARE A LIFE SAFETY COMPONENT WITH A RISK CATEGORY III OR IV STRUCTURE.
- ☐ S-2: VERIFY SELECTION OF USE AND OCCUPANCY CLASSIFICATION PER CBC CHAPTER 3; OCCUPANT LOAD FACTOR PER CBC TABLE 1004.5; RISK CATEGORY PER CBC TABLE 1604A.5; TO BE COMPLETED BY DESIGN PROFESSIONAL AT TIME OF DSA OTC OR PROJECT DSA SUBMITTAL.
- ☐ S-2: VERIFY APPROPRIATE SEISMIC SEPARATION PER SEISMIC GAPS
- ☐ S-2: VERIFY 'CONSTRUCTION OPTIONS' ARE SELECTED
- ☐ S-2: VERIFY MAX. DESIGN PARAMETERS, SPRINKLER YES OR NO, SEISMIC SITE CLASS, ARE SELECTED
- ☐ S-3: VERIFY THAT OPTIONS FOR CONCRETE DURABILTY BASED ON EXPOSURE CLASS AND THE FOUNDATION SOILS CLASS HAVE BEEN SELECTED.
- ☐ S-3: VERIFY THE SITE SPECIFIC FOUNDATION LOCATINS MEET WITH NOTE 9 ON S-3 IN THE SOILS NOTES SECTION FOR SET BACK FROM TOP OF SLOPES, OR THAT THE GEOTECHNICAL REPORT HAS ALLOWED A SMALLER DISTANCE.
- ☐ S-3: ALLOWABLE LATERAL PRESSURE OF SOIL AT PROJECT SITE LIMITS GROUND-LEVEL LATERAL DISPLACEMENT OF THE STRUCTURE TO A MAXIMUM OF 1/2"
- ☐ S-3: SITE SPECIFIC GEOTECHNICAL REPORT HAS BEEN PROVIDED WITH A GEOHAZARD SECTION INCLUDED. REFER TO SOILS NOTES #1 ON SHEET S-3 IF NO GEOTECHNICAL REPORT IS PROVIDED.
- ☐ S-3: SITE SPECIFIC DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE TO SELECT SOILS CLASS FOR SITE SPECIFIC USE.
- ☐ S-5: VERIFY THAT COLD FORMED SECTIONS 1/S-5 AND HOT ROLLED SECTIONS HAVE BEEN SELECTED BASED ON THE SITE SPECIFIC PC ID'S UTILIZED ON SHEETS 2/S-5, S-7 & S-9.
- ☐ S-6: VERIFY 2' MAXIMUM DIFFERENCE IN COLUMN HEIGHTS WITHIN A STRUCTURE.
- ☐ S-6 & S-8: VERIFY DETAIL 1/- APPLICABLE DETAILS 3/-, 4/-
- ☐ S-6 & S-8: VERIFY FOUNDATION DETAIL IN 2/-, 3/-, 4/- REFERENCES 1/S-10 OR 2/S-10, 7/S-12
- ☐ S-7 & S-9: VERIFY DETAIL 1/- & 2/- APPLICABLE ID SELECTION(S) MATCH SITE SPECIFIC PLANS.
- ☐ S-7 & S-9: VERIFY STEEL SELECTIONS HAVE BEEN PROPERLY COORDINATED WITH BEAM/COLUMN SCHEDULES. REFER TO 2/S-7 & 2/S-9.
- ☐ S-7 & S-9: VERIFY SITE SPECIFIC PURLIN CANTILEVERS HAVE BEEN PROPERLY COORDINATED WITH PURLIN SCHEDULES. REFER TO 1/S-7 & 1/S-9.
- ☐ S-10: VERIFY PC ID FOUNDATION SELECTION MATCHES SITE SPECIFIC LAYOUT AND THAT SOILS CLASS SELECTION MATCHES S-3. VERIFY THAT SPIRAL TIE LENGTH AND SPACINGS HAVE BEEN SELECTED IN DETAIL 3. VERIFY IF STEEL CASING REQUIRED IN DETAIL 3. VERIFY IF NON-STRUCTURAL BOLLARD IS REQUIRED PER DETAIL 7/S-12.
- ☐ S-10: VERIFY SPREAD FOOTING PC ID SELECTION MATCHES SITE SPECIFIC LAYOUT. VERIFY IF NON-STRUCTURAL BOLLARD IS REQUIRED PER DETAIL 7/S-12.
- ☐ S-11: DETAILS 1 - 4 & 13, SELECT BOLT SIZE
- ☐ S-11: VERIFY DETAIL 12/- APPLICABLE ID SELECTION(S) MATCH S-7/S-9.
- ☐ S-12: VERIFY OPTIONAL BOLLARD SELECTIONS MATCH SITE SPECIFIC PLANS. VERIFY FOUNDATION OPTIONS FOR CONDUIT ROUTING MATCH SITE SPECIFIC PLANS.
- ☐ S-12: VERIFY APPLICABLE LIGHTING DETAILS 1-6 ARE SELECTED.
- ☐ S-13: VERIFY APPLICABLE ELEVATION OPTION DETAILS 1-11 ARE SELECTED.

SITE SPECIFIC PARAMETERS

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

SNOW

☐ 0 psf | pg = _____ psf; pf = _____ psf ☐ 5 psf ☐ 45.4 psf; Ce = _____

WIND

V = _____ mph < 99 mph ☐ 130 mph ☐
Kzt = _____ ≤ 1
EXPOSURE: ☐ C ☐ D

SEISMIC

SELECT ONE

- ☐ DESIGN BASED ON SITE CLASS D DEFAULT
  NO GEOTECHICAL INVESTIGATION REQUIRED
  S_S = _____ Fa = 1.2
- ☐ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
  GEOTECHICAL INVESTIGATION PROVIDED
  SITE CLASS: ☐ C ☐ D ☐ E
  S_S = _____ Fa = _____ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1
- ☐ DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS
  PER CHAPTER 21 OF ASCE 7-16
  SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS}, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
  CGS APPROVAL REQUIRED
  NOT ELIGIBLE FOR OTC REVIEW
  SITE CLASS: ☐ C ☐ D ☐ E

S_{DS} = $^2/_3$ Fa. S_S = _____ ≤ 1.30
C_S = _____ < 1.493 USED IN DESIGN
SEISMIC DESIGN CATEGORY: ☐ D ☐ E

CONSTRUCTION OPTIONS

* ALL CONSTRUCTION OPTIONS INCLUDE OPTIONS FOR CONCRETE DRILLED PIERS AND/OR SPREAD FOOTINGS.

- ☐ 1. 14'-0" MAX WIDTH, 3:12 MAX ROOF SLOPE, 17'-0" MAX COLUMN HEIGHT, 0 psf ROOF SNOW
- ☐ 2. 18'-0" MAX WIDTH, 3:12 MAX ROOF SLOPE, 17'-0" MAX COLUMN HEIGHT, 0 psf ROOF SNOW
- ☐ 3. 20'-0" MAX WIDTH, 3:12 MAX ROOF SLOPE, 16'-9" MAX COLUMN HEIGHT, 0 psf ROOF SNOW
- ☐ 4. 14'-0" MAX WIDTH, 3:12 MAX ROOF SLOPE, 17'-0" MAX COLUMN HEIGHT, 45.4 psf ROOF SNOW
- ☐ 5. 18'-0" MAX WIDTH, 3:12 MAX ROOF SLOPE, 16'-6" MAX COLUMN HEIGHT, 45.4 PSF ROOF SNOW
- ☐ 6. 20'-0" MAX WIDTH, 3:12 MAX ROOF SLOPE, 16'-9" MAX COLUMN HEIGHT, 45.4 PSF ROOF SNOW

SEISMIC GAPS

	OPTION	MAX COLUMN HEIGHT	GAP X	GAP Y
☐	VC14	17'-0"	6"	6"
☐	VC18	17'-0"	7"	7"
☐	VC20	16'-9"	7¼"	7¼"
☐	VC24	17'-0"	6¾"	6¾"
☐	VC28	17'-0"	8½"	8½"
☐	VC30	17'-0"	6¼"	6¼"
☐	VC140	14'-0"	4¼"	4¼"
☐	VC180	14'-0"	4½"	4½"
☐	VC200	14'-0"	5"	5"
☐	VC240	14'-0"	4¼"	4¼"
☐	VC280	14'-0"	5"	5"
☐	VC300	14'-0"	5"	5"

NOTE
1. SEISMIC GAPS LISTED ARE THE MINIMUM GAPS BETWEEN ANY TWO STRUCTURES (I.E. CANOPIES, BUILDINGS) AND DO NOT NEED TO BE COMBINED OR DOUBLED.

MAX. DESIGN PARAMETERS

RISK CATEGORY II

ROOF LIVE LOAD (L_R):
DECK ONLY ..... 20 psf
POINT LOAD ..... 300 lb

SNOW:
GROUND SNOW, P_G = ☐ 0 PSF ☐ 5 PSF ☐ 60.0 PSF
C_E = 0.9
C_T = 1.2
I = 1.0
C_S = 1.0
P_S = $0.7 C_E C_T I P_G C_S$ = ☐ 0 PSF ☐ 5 PSF ☐ 45.4 PSF
ROOF SNOW, P_F = 0 PSF, 5 PSF, 45.4 PSF
$P_{S.E}$ = 9.1 PSF

SEISMIC:
BASE:.....FROM USABLE SOIL HT. PER GEOTECHNICAL REPORT

MAXIMUM DEAD LOAD:
ROOF DECK..... 0.93 psf
SPRINKLER..... 0.56 psf ☐ YES ☐ NO (SEISMIC MASS ONLY. SITE SPECIFIC SPRINKLER CONNECTIONS ARE NOT PROVIDED IN THIS PC. CALCULATIONS AND DETAILS FOR SPRINKLERS PROVIDED BY OTHERS.)

WIND: ASCE 7-16 METHOD 2 - ANALYTICAL PROCEDURE
BASIC WIND SPEED..... ☐ 99 mph[1] OR ☐ 130 mph[1]
WIND EXPOSURE ..... C[1]
INTERNAL PRESSURE .....N/A (OPEN STRUCTURE)
WIND DIRECTIONALITY FACTOR ..... K_d = 0.85
VELOCITY PRESSURE COEFFICIENT..... K_z = 0.90
☐ TOPOGRAPHIC FACTOR ..... K_{zt} = 1.00

SEISMIC: ASCE 7-16 (SUPPLEMENT 3)
SEISMIC IMPORTANCE FACTOR ..... I = 1.0
RESPONSE MODIFICATION FACTOR..... R = 1.25
MAPPED SPECTRAL RESPONSE ..... S_S = 2.80
ACCELERATION ..... S_1 = 1.39
SITE CLASS ..... ☐ A-D ☐ E[3] (NOT IN LIQUEFIABLE SOIL AND/OR SITE CLASS F)
DESIGN SPECTRAL RESPONSE ..... S_{DS} = 1.867
S_{D1} = 1.390
SEISMIC DESIGN CATEGORY .....D (E WITH GROUND MOTION ANALYSIS)
SEISMIC FORCE RESISTING SYSTEM .....STEEL ORDINARY CANTILEVER COLUMN
SEISMIC RESPONSE COEFFICIENT ..... C_S = 1.493
SEISMIC REDUNDANCY FACTOR..... ρ = 1.3
ANALYSIS PROCEDURE .....EQUIVALENT LATERAL FORCE
BASE.....FROM USABLE SOIL HT. PER GEOTECHNICAL REPORT

NOTES:

1. THE PC COMPONENTS & CLADDING AND MAIN WIND FORCE RESISTING SYSTEM DESIGN WIND PRESSURE q_h = 23.7 psf DETERMINED FROM THE CRITERIA LISTED ABOVE.
   (EXPOSURE C, K_z=90, K_{zt}=1.0 , K_d = 0.85, WIND SPEED = 99 MPH).

   FOR WIND SPEED = 130 MPH, q_h = 32.74 psf
   DETERMINED FROM THE CRITERIA LISTED ABOVE.
   (EXPOSURE C, K_z=90, K_{zt}=1.0 , K_d = 0.85, WIND SPEED = 130 MPH).

   THE PC MAY BE USED FOR RISK CATEGORY II TYPE STRUCTURES IN ANY WIND ZONE WHERE $q_h \leq$ 32.7 psf.

   EXAMPLE:
   SITE BASIC WIND SPEED, V =140 mph
   RISK CATEGORY III
   WIND: EXPOSURE B
   K_d = 0.85
   K_z = 0.701
   K_{zt} = 1.00
   q_h = 29.9 psf < 32.7 psf

   THE PC MAY BE USED AT THIS SITE, PENDING DSA SITE SPECIFIC APPROVAL.

2. THE PC SEISMIC FORCE RESISTING SYSTEM IS GOVERNED BY C_S = 1.493 FROM THE CRITERIA LISTED ABOVE.
   (R = 1.25, S_S = 2.8, I = 1.0).

   THE PC MAY BE USED FOR RISK CATEGORY II STRUCTURES AT ANY SITE WHERE THE SITE SPECIFIC SEISMIC PARAMETER S_S AND R = 1.25 RESULT IN A VALUE $C_S \leq$ 1.493.

   EXAMPLE:
   RISK CATEGORY II
   SOIL: SITE CLASS A
   S_S = 3.4
   S_1 = 1.8
   R = 1.25
   I = 1.00
   S_{DS} = 1.813
   C_S = 1.450 < 1.493

   THE PC MAY BE USED AT THIS SITE, PENDING DSA SITE SPECIFIC APPROVAL.

3. THIS PC IS EXEMPTED FROM SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS REQUIREMENTS OF ASCE 7 SECTION 11.4.8. THIS PC IS DESIGNED USING THE EQUIVALENT LATERAL FORCE PROCEDURE AND A SEISMIC RESPONSE COEFFICIENT BASED ON THE SHORT PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION, SDS.
   FOR SITE CLASS 'D'; THE INCREASE IN THE SM1 PARAMETER PRESCRIBED IN THE EXCEPTION TO ASCE 7 SEC 11.4.8, ITEM 1, DOES NOT IMPACT THE DESIGN OF THE STRUCTURE.
   FOR SITE CLASS 'E'; THE STRUCTURE COMPLIES WITH THE EXCEPTION 1 CONDITIONS OF ASCE 7 SECTION 11.4.8, ITEM 2.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
4. A 'DSA CERTIFIED' INSPECTOR WITH CLASS 2 CERTIFICATION IS REQUIRED FOR THIS PROJECT.
5. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
7. IF THE PROJECT IS DIVIDED INTO INCREMENTS: THE SCOPE OF WORK FOR EACH INCREMENT MUST BE CLEARLY SPECIFIED ON THE TITLE SHEET OF ALL INCREMENTS SUBMITTED.

BUILDING DATA

TYPE OF CONSTRUCTION.....IIB

OCCUPANCY.....VARIES - SEE EXAMPLES

NUMBER OF STORIES.....1

BUILDING AREAS.....VARY DUE TO OCCUPANCY - SEE EXAMPLES

MODULE SIZES.....VARY WITH OPTIONS

BUILDING LENGTH:
ALL WIDTHS.....MAX. 500'-0" LENGTH

NOTE: NO SEISMIC AND/OR THERMAL EXPANSION JOINTS REQUIRED ALONG THE LENGTH OF THE STRUCTURES. (ALL JOINTS ARE INTERNAL)

OCCUPANCY AND BUILDING AREA EXAMPLES:
ALL STRUCTURES SHALL BE BASED ON RISK CATEGORY II STRUCTURE.

A. OCCUPANCY:

EXAMPLE 1:
STRUCTURES LOCATED OVER LUNCH AREA WITHOUT FIXED SEATING
OCCUPANCY: A-2
OCCUPANCY LOAD: 15 sf/person - MAX 300 FOR RISK II
MAX ALLOWABLE SQ FT: 4,500 sq ft

EXAMPLE 2:
STRUCTURES LOCATED OVER LUNCH AREA WITH FIXED SEATING
OCCUPANCY: A-2
OCCUPANCY LOAD: 18"/person ALONG LINEAR BENCH - MAX 300 FOR RISK II
MAX ALLOWABLE SQ FT: 5,400 LINEAR INCHES OF FIXED SEATING UNDER THE STRUCTURE

EXAMPLE 3:
STRUCTURES LOCATED OVER AN AREA DESIGNATED FOR ASSEMBLY (TYPICALLY AMPHITHEATER, OR OTHER SPACE WITH FIXED SEATING OR DESIGNATED AS A STANDING ASSEMBLY AREA)
OCCUPANCY: A
OCCUPANCY LOAD: 7 sf/person - MAX 300 FOR RISK II
MAX ALLOWABLE SQ FT: 2,100 sq ft

SHADE STRUCTURE

EXAMPLE 1:
STRUCTURES LOCATED OVER A FIELD, BLACKTOP, PLAYGROUND EQUIPMENT,OR OTHER NON DESIGNATED USE SPACES
OCCUPANCY: E
OCCUPANCY LOAD: 20 sf/person - MAX 250 FOR RISK II
MAX ALLOWABLE SQ FT: 14,500 sq ft

PARKING

EXAMPLE 1:
STRUCTURES LOCATED OVER PARKING
OCCUPANCY: S-2
OCCUPANCY LOAD: 200 sf/person
MAX ALLOWABLE SQ FT: UNLIMITED PER CBC 406.5.4 AND 406.5.5

CODES

GOVERNING CODES:

CALIFORNIA CODE OF REGULATIONS:

2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

NFPA 13	AUTOMATIC FIRE SPRINKLER SYSTEMS	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE	2022 EDITION

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:

2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80

FIRE LIFE SAFETY

AUTOMATIC FIRE SPRINKLERS REQUIRED? (Y/N)..... N

1. FOR ALL CANOPY ARRAYS - VERIFY COMPLIANCE W/ CFC 503.2.1
   NEW FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET, EXCLUSIVE OF SHOULDERS, EXCEPT FOR APPROVED SECURITY GATES IN ACCORDANCE WITH SECTION 503.6, AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES

STRUCTURAL DATA

LATERAL RESISTING SYSTEM..... STEEL ORDINARY CANTILEVER COLUMN
FOUNDATION ..... CONCRETE DRILLED PIERS AND SPREAD FOOTINGS
TESTING AND INSPECTION LIST..... SEE SHEETS S-3 & S-4

ACCESS

1. CONCRETE BOLLARD ABOVE FOUNDATIONS (RAISED PIERS) CANNOT BE LOCATED IN ACCESSIBLE PARKING SPACES OR ACCESS AISLES.
2. SLOPED PORTIONS OF FOUNDATIONS, WHEN LOCATED IN ACCESSIBLE PARKING STALL OR ACCESS AISLE, MUST HAVE A SLOPE LESS THAN OR EQUAL TO 2.08%
3. MINIMUM ARRAY CLEAR HEIGHTS IN ACCESSIBLE AREAS:
   8'-2" - WHEN LOCATED OVER ACCESSIBLE PARKING OR ACCESS AISLES
   9'-6" - WHEN LOCATED OVER ACCESSIBLE PASSENGER LOADING ZONES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

4 STEL ENGINEERING
26030 ACERO,
MISSION VIEJO, CA 92691
949.305.1150 | FAX 949.305.1420

M BAR C CONSTRUCTION INC.
1770 LA COSTA MEADOWS DRIVE, SAN MARCOS, CA 92078
PHONE: (760) 744-4131
FAX: (760) 744-4449
ERIK@MBARCONLINE.COM
LIC # 869960 B AND C-21
(770) 787-8845

ENGINEER'S APPROVAL



BID INFORMATION
THE STRUCTURES AND DESIGNS IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. AND 4 S.T.E.L. ENGINEERING, INC. ALL SITES USING THIS PC: M BAR C CONSTRUCTION, INC. SHALL BE THE STEEL CONTRACTOR & 4 S.T.E.L. ENGINEERING, INC. SHALL BE THE SEOR. SEE THE STANDARD NOTES FOR PC USE ON S-1 FOR ADDITIONAL REQUIREMENTS.

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122195 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/26/2023

SITE SPECIFIC INFORMATION

REVISIONS

MARK	DATE	DESCRIPTION

4 STEL JOB #	MC03-V3-02
DATE	09-20-23
DRAWN BY	NML
CHECKED	CDL

GENERAL DATA

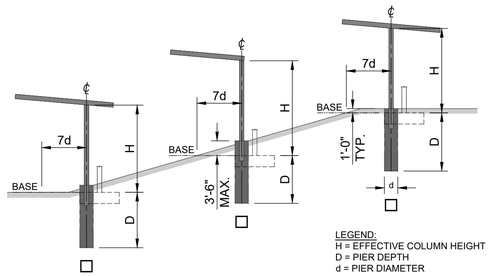
S-2

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE

SOILS NOTES

1. A SITE SPECIFIC GEOTECHNICAL REPORT IS NOT REQUIRED, BUT HIGHLY RECOMMENDED. IF THERE IS NO GEOTECHNICAL REPORT OR THE GEOTECHNICAL REPORT DOES NOT FIT THE DESIGN SOIL VALUES, SOILS CLASS W-Z BELOW, THEN THE DEFAULT SOILS CLASS V MUST BE USED AND FA = 1.2 SITE CLASS D (DEFAULT).
2. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE SITE CONDITIONS, TESTING RESULTS, AND ALL ALLOWABLE INCREASES AND SUPPLY THE FINAL SOIL CLASS TO BE USED FROM THE BELOW TABLE. THE GEOTECHNICAL ENGINEER SHALL PROVIDE IN THE GEOTECHNICAL REPORT THE FOLLOWING BASE VALUES WITHOUT INCREASE FOR 24" DIAMETER PIERS: THE ALLOWABLE VERTICAL END BEARING, ALLOWABLE LATERAL BEARING, ALLOWABLE DOWNWARD SKIN FRICTION, ALLOWABLE SKIN FRICTION TO RESIST UPLIFT. THE GEOTECHNICAL ENGINEER SHALL ALSO PROVIDE ANY ALLOWABLE INCREASES TO THE BASE VALUES. ALLOWABLE INCREASES ARE TYPICALLY DUE TO BUT NOT EXCLUSIVE TO: DOUBLE VALUES DUE TO ISOLATED FOUNDATIONS, DOUBLE VALUES DUE TO THE STRUCTURE NOT BEING ADVERSELY AFFECTED BY 1/2" DEFLECTION AT THE SURFACE, A 4/3 INCREASE DUE TO SHORT TERM LOADING, AND ANY OTHER ALLOWABLE INCREASES. THE GEOTECHNICAL ENGINEER SHALL MAKE RECOMMENDATION OF THE SOIL CLASS TO BE USED AFTER ALL INCREASES HAVE BEEN APPLIED. ALL FOUNDATIONS HAVE BEEN DESIGN BASED ON THE VALUES PRESENTED IN THE BELOW TABLE. THE GEOTECHNICAL REPORT SHALL ADDRESS IF THE USE OF STEEL CASING THAT IS TWISTED INTO PLACE AND LEFT INSTALLED AFFECTS ANY ALLOWABLE VALUES.
3. THE GEOTECHNICAL ENGINEER MAY SPECIFY DIFFERENT SOILS CLASSES TO BE USED FOR THE DIFFERENT STRUCTURE TYPES (VC14 OR VC20), DIFFERENT AREAS OF THE SITE (I.E. NORTH LOT OR WEST LOT), OR THE ENGINEER MAY SPECIFY ONE SOILS CLASS TO BE USED FOR THE ENTIRE SITE.
4. THE GEOTECHNICAL ENGINEER SHALL ADDRESS IN THE REPORT ANY CONCRETE DURABILITY REQUIREMENTS IN ACCORDANCE WITH ACI 318-19 CHAPTER 19.
5. THE GEOTECHNICAL REPORT SHALL BE SPECIFIC TO THE LOCATION OF THE STRUCTURES. BORING(S) SHALL BE DONE AT THE SPECIFIC LOCATION(S) WHERE THE STRUCTURES ARE TO OCCUR. THE GEOTECHNICAL REPORT SHALL CONFORM TO 2022 CBC SECTION 1803A.
6. A COPY OF THE GEOTECHNICAL REPORT SHALL BE PROVIDED AT THE TIME OF PLAN REVIEW.
7. AT THE TIME OF PLAN REVIEW, THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE SHALL SELECT A SOILS CLASS ON THE SITE-SPECIFIC PLANS BASED ON THE GEOTECHNICAL REPORT.

   HOLES MAY BE LEFT OPEN FOR ANY AMOUNT OF TIME AS LONG AS THEY ARE PROPERLY COVERED FOR OSHA STANDARDS.
8. DESIGN OF PC STRUCTURE ASSUMES A MAXIMUM LATERAL DISPLACEMENT OF 1/2" AT THE BASE; ALLOWABLE LATERAL BEARING VALUES THAT RESULT IN LARGER DISPLACEMENTS ARE NOT ACCEPTABLE FOR USE WITH THIS PC STRUCTURE
9. FOUNDATIONS ADJACENT TO SLOPED GROUND SURFACES SHALL BE SET BACK PER THE FOLLOWING FIGURE UNLESS OTHERWISE RECOMMENDED BY A SITE SPECIFIC GEOTECHNICAL REPORT.



LEGEND:
H = EFFECTIVE COLUMN HEIGHT
D = PIER DEPTH
d = PIER DIAMETER

BASE:
TOP OF 'USABLE SOIL PER GEOTECHNICAL REPORT'. SEE DETAILS 3/S-10 4/S-10 FOR BASE LOCATION.

PIER FOUNDATIONS - FINAL DESIGN VALUES [1,2,3,4]

USE	SOILS CLASS	VERTICAL BEARING PRESSURE (psf)	LATERAL BEARING PRESSURE (psf/ft)	MAXIMUM LATERAL BEARING (psf)	MIN. DOWNWARD SKIN FRICTION (psf)	MIN. UPWARD SKIN FRICTION (psf)
☐	CLASS V	1,500	133	2,000	130	30
☐	CLASS W	1,500	267	4,000	170	55
☐	CLASS X	2,000	400	6,000	200	75
☐	CLASS Y	2,000	533	8,000	220	85
☐	CLASS Z	3,000	800	12,000	255	110

SPREAD FOOTINGS - FINAL DESIGN VALUES [1,2,3]

USE	SOILS CLASS	MIN. ALLOWABLE END BEARING (psf)	MIN. ALLOWABLE LATERAL BEARING (psf/ft)	MAX. LATERAL BEARING (psf)	SLIDING FRICTION μ
☐	ALL	1,500	100	2,000	0.25

NOTES:

1. TABLE ALREADY TAKES INTO ACCOUNT 1/3 INCREASE AND DOUBLING OF THE PASSIVE PRESSURE WITHOUT ANY FURTHER INCREASES. GEOTECHNICAL ENGINEER IS REQUIRED TO SPECIFY THE SOILS CLASS WHERE FINAL VALUES WITH INCREASES ARE NOT ALLOWED TO EXCEED THESE VALUES)
2. DOUBLING THE PASSIVE PRESSURE DUE TO SOIL ARCHING EFFECTS IS NOT ALLOWED IN CONJUCTION WITH DOUBLING BASED ON THE 1/2" DEFLECTION AT THE SURFACE.
3. THE FOUNDATION DESIGNS FOR THIS PC ARE BASED ON 2022 CBC ALTERNATE BASIC LOAD COMBINATIONS PER SECTION 1605A.3.2 WHERE 1/3 INCREASES ARE ALLOWED.
4. WHEN NO GEOTECHNICAL REPORT IS PROVIDED USE SOIL CLASS V.

SPECIAL INSPECTION

1. SOILS:
   - VERIFY THE SITE HAS BEEN PREPARED PROPERLY PRIOR TO PLACEMENT OF CONTROLLED FILL AND/OR EXCAVATIONS FOR FOUNDATIONS.
   - VERIFY THAT THE FOUNDATION EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
   - VERIFY THAT MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
2. PIER FOUNDATIONS:
   - INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PIER.
   - VERIFY LOCATIONS OF PIERS.
3. CONCRETE:
   - VERIFY USE OF REQUIRED DESIGN MIX, DETERMINE THE TEMPERATURE OF THE CONCRETE, AND (WHERE REQUIRED) PERFORM AIR CONTENT TEST.
   - TEST CONCRETE (COMPRESSION TEST).
   - INSPECT PLACEMENT OF FORMWORK, REINFORCING STEEL, EMBEDDED ITEMS, AND CONCRETE. INSPECT CURING AND FORM REMOVAL.
   - SLUMP TEST SHALL BE PERFORMED PER SITE SPECIFIC DSA-103.
4. STEEL:
   - VERIFY THAT ALL MATERIALS ARE APPROPRIATELY MARKED AND THAT:
     - MILL CERTIFICATES INDICATE MATERIAL PROPERTIES THAT COMPLY WITH REQUIREMENTS.
     - MATERIAL SIZES, TYPES AND GRADES COMPLY WITH REQUIREMENTS.
   - TEST UNIDENTIFIED MATERIALS.
   - VERIFY MEMBER LOCATIONS, BRACING AND ALL DETAILS CONSTRUCTED IN THE FIELD.
   - VERIFY STIFFENER LOCATIONS, CONNECTION TAB LOCATIONS, AND ALL CONSTRUCTION DETAILS FABRICATED IN THE SHOP.
   - HIGH STRENGTH SLIP CRITICAL BOLTING.
5. SHOP FABRICATION:
   - VERIFY FABRICATOR'S FABRICATION AND QUALITY CONTROL PROCEDURES.
   - VERIFY ALL ASPECTS OF SHOP FABRICATION INCLUDING MEMBER LOCATIONS, DIMENSIONAL LAYOUT OF ALL PARTS AND PIECES, BOLTING, ETC.
6. SEE DSA APPROVED 103 FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES

1. DESIGN PER 2022 C.B.C. AND ITS PRESCRIBED LOADING AND MATERIAL SPECIFICATIONS:
   - ASCE 7-16
   - 15TH EDITION AISC STEEL CONSTRUCTION MANUAL
   - 2016 AISI COLD FORMED STEEL STANDARD
   - ACI 318-19
2. THESE STRUCTURES ARE NOT DESIGNED TO BE, NOR SHALL THEY BE, ENCLOSED.
3. ALL DIMENSIONS, CONDITIONS, AND ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK OR FABRICATION. IF ANY DISCREPANCIES ARE FOUND OR IF ANY CONDITION EXISTS NOT AS SHOWN ON THE DRAWINGS THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY.
4. IF THE SNOW LOAD OPTION IS USED THEN THE SITE-SPECIFIC MAX GROUND SNOW LOADING INCLUDING DRIFT MUST BE LESS THAN OR EQUAL TO 20 PSF.
5. ALL SCREWS TO BE ITW BUILDEX TEK SCREWS PER ICC ESR-1976 OR ELCO DRILL SCREW PER ICC ESR-3294.
6. OWNER TO SIGN AUTHORIZATION TO PROCEED PRIOR TO DRILLING.

   SEE SAMPLE BELOW:

M BAR C CONSTRUCTION
THE STRENGTH BETWEEN SUN AND SHADE™

674 Rancheros Drive
San Marcos, CA 92069
PH: 760.744.4131
FAX: 760.744.4449
CA LIC #869960

Authorization to Proceed

Project Name: _____ Foreman: _____
Site Name: _____ Contractor: _____

As an authorized representative of Contractor listed above, I,_____ agree to the following statements below:

_____{initial} **LAYOUT:** The onsite layout for installation of structural steel for carports and canopies has been inspected and is approved as is.

_____{initial} **ARRAY ORIENTATION/CONCRETE POUR:** The tilt and direction of the canopies have been verified and are approved as is.

ARRAYS:

_____
_____
_____
_____
_____

It is understood that additional costs will apply due to the following delays: re-layout not due to M Bar C, underground site conflicts (unmarked utility lines, including but not limited to water, sewer, fire, irrigation, electrical; encountered underground water; change in soils condition, including but not limited to hard drilling, caving soils, obstructions).

BY: _____ DATE: _____
(signature)

www.mbarconline.com

STEEL NOTES

1. COLD FORMED STEEL SIZES ARE BASED ON BARE STEEL THICKNESS.
2. STRUCTURAL PURLIN, BEAM & COLUMN MEMBERS SHALL HAVE MINIMUM STEEL YIELD STRENGTHS AS INDICATED.
3. STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED (MINIMUM ASTM A123 OR A153, CLASS D) OR PAINTED WITH ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT; OR EQUIVALENT PAINT SYSTEM. COLD-FORMED STEEL MEMBERS SHALL BE 55% ALUMINUM-ZINC ALLOY COATED PER ASTM A792/A792M STANDARD IN ACCORDANCE TO AISI S200 TABLE A4-1, CP 90 COATING DESIGNATION.
4. ALL EXPOSED STEEL FASTENERS, INCLUDING CAST IN PLACE ANCHOR BOLTS/RODS, SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT-DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), OR PROTECTED WITH CORROSION-PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT. (EXAMPLE PROPRIETARY COATINGS THAT COMPLY WITH THE 1000 HOUR REQUIREMENT INCLUDE BUT ARE NOT NECESSARILY LIMITED TO: QUIK GUARD BY SIMPSON, KWIK-COTE BY HILTI, STALGARD BY ELCO, VISTACORR BY SFS INTEC, ETC.)
5. STEEL FABRICATION SHALL COMPLY WITH LATEST AISC SPECIFICATIONS.
6. HOLLOW STRUCTURAL STEEL (HSS) MEMBERS SHALL BE ASTM A1085 GR. 50 U.N.O. ASTM A1085 STEEL HAS THE SAME OR BETTER PROPERTIES AND WELDABILITY THAN ASTM A500 GR. B.
7. COLD FORMED STEEL (CFS) MEMMBERS SHALL BE ASTM A653 SS GR. 55 (F_y = 55 ksi, F_u = 70 ksi) OR ASTM A1011 SS GR. 55 (F_y = 55 ksi, F_u = 70 ksi).
8. ZINC COATING OF STRUCTURAL STEEL SHALL CONFORM WITH G90 STANDARD OR BETTER. COLD FORMED STEEL (CFS) MEMBERS TO BE GALVANIZED IN ACCORDANCE ASTM A653 G90 STANDARD. HOLLOW STRUCTURAL STEEL (HSS) MEMBERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.
9. ALL STEEL MEMBERS TO BE GALVANIZED OR PAINTED WITH ZINC-RICH PRIMER, UNDERCOAT AND FINISH COAT OR EQUIVALENT PAINT SYSTEM. CONTRACT DOCUMENTS SHALL SPECIFY THE TYPE OF SSPC CORROSION RESISTING SYSTEM TO BE UTILIZED AND THE SSPC GRADE FOR CLEANING, MINIMUM SSPC GRADE SP2.
10. BOLTS SHALL CONFORM TO THE ASTM A307 SPECIFICATIONS UNLESS NOTED OTHERWISE. INSPECTIONS ARE REQUIRED FOR ASTM VERIFICATION AND INSTALLATION. A307 BOLTS ARE NOT CONSIDERED HIGH STRENGTH BOLTS AND THUS HIGH STRENGTH BOLT TESTING IS NOT REQUIRED. PROVIDE SPLIT RING WASHERS OR SOME OTHER METHOD TO KEEP BOLTS FROM LOOSENING.
11. ASTM A307 BOLTS MAY BE SUBSTITUTED WITH THE SAME NUMBER AND SIZE OF SAE J429 GRADE 2 BOLTS.
12. BOLTS SHALL BE TIGHTENED TO SNUG-TIGHT CONDITION UNLESS NOTED OTHERWISE.
13. ASTM A307 BOLTS SHALL HAVE STANDARD WASHERS UNDER THE NUT & BOLT HEAD (F436 WASHERS ARE NOT REQUIRED). STANDARD WASHERS DO NOT REQUIRE HARDNESS TEST.
14. BOLT HOLES FOR ½"Ø BOLTS SHALL BE AS FOLLOWS: STANDARD HOLES: 9/16"Ø

CONCRETE NOTES

1. CONCRETE MIN. 4,500 PSI AT 28 DAYS UNLESS A SOILS REPORT IS PROVIDED THAT ALLOWS FOR A LOWER STRENGTH (4,000 PSI MIN.). BATCH PLANT INSPECTION NOT REQUIRED.
2. CONCRETE SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS BASED ON EXPOSURE CLASS IN ACCORDANCE WITH ACI 318-19 TABLE 19.3.2.1 WHEN DETERMINED BY A SITE SPECIFIC GEOTECHNICAL REPORT. WHEN EXPOSURE CLASS NOT SPECIFIED, USE "NOT DETERMINED" AS PERMITTED BELOW.
3. AIR-ENTRAINED CONCRETE AT EXPOSURE CLASSES F1, F2 AND F3 SHALL MEET ACI 318-19 SECTION 19.3.3.

REQUIREMENTS FOR CONCRETE BASED ON EXPOSURE CLASS

USE	EXPOSURE CLASS ACI TABLE 19.3.1.1	MINIMUM CONCRETE STRENGTH F'_c	CEMENT TYPE ASTM C150	MAX. WATER/CEMENT RATIO W/M
☐	NOT DETERMINED	4,500 PSI	TYPE V	0.45
☐	F0, S0, W0, W1, C0, C1	4,000 PSI	TYPE II	N/A
☐	S1, W2	4,000 PSI	TYPE II	0.50
☐	C2, F3	5,000 PSI	TYPE V	0.40
☐	ALL OTHER	4,500 PSI	TYPE V	0.45

4. CONCRETE TO ATTAIN 1000 PSI PRIOR TO REMOVAL OF SHORING AND/OR INSTALLATION OF BEAMS AND PURLINS. (NOTE: A HIGHER COMPRESSIVE CONCRETE MAY BE USED TO ACHIEVE 1000 PSI SOONER. SUBMIT CONCRETE MIX DESIGN PREPARED BY A QUALIFIED LICENSED PROFESSIONAL ENGINEER FOR APPROVAL BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO BEING PLACED.
5. CONCRETE TO REACH 4000 PSI PRIOR TO INSTALLATION OF ROOF DECK. (NOTE: A HIGHER COMPRESSIVE CONCRETE MAY BE USED TO ACHIEVE 4000 PSI SOONER. SUBMIT CONCRETE MIX DESIGN PREPARED BY A QUALIFIED LICENSED PROFESSIONAL ENGINEER FOR APPROVAL BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO BEING PLACED.
6. REINFORCEMENT BARS SHALL BE ASTM A615, GR60 TYPICAL, U.N.O.
7. MINIMUM CONCRETE COVER SHALL BE 2½" TO EARTH (DRILLED PIER FOUNDATIONS ONLY), 3" TO EARTH ALL OTHER CONCRETE, 2" TO EXPOSED SURFACES PER CBC TABLE 1808A.8.2
8. ALL REINFORCING STEEL AND OTHER EMBEDDED ITEMS SHALL BE SECURELY POSITIONED PRIOR TO THE POURING OF CONCRETE.
9. ALL CONCRETE WORK SHALL COMPLY WITH ACI 301 & 318 STANDARDS.
10. AGGREGATE GRADATION AND QUALITY SHALL BE IN ACCORDANCE WITH ACI 302-IR.
11. COLD JOINTS SHALL HAVE A ROUGHENED SURFACE. BONDING AGENT SHALL COMPLY WITH ASTM C1059. A SUBMITTAL FOR CONCRETE BONDING AGENT SHALL BE APPROVED BY DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO INSTALLATION. DSA INSPECTOR OF RECORD TO PERIODICALLY INSPECT INSTALLATION OF BONDING AGENT.
12. BATCH PLANT INSPECTION NOT REQUIRED PER CBC 1705A3.3.2. SUBJECT TO:
    - A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
    - BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.
13. CONCRETE MAY BE PUMPED, POURED, TAILGATED, OR OTHER SUCH METHODS INTO PLACE. CONCRETE SHALL BE ALLOWED TO FREE FALL THE ENTIRE DEPTH OF THE FOUNDATION. PLACEMENT OF ANY FREE-FALL CONCRETE SHALL BE SUCH THAT THE CONCRETE DOES NOT ALTER THE EMBEDMENT DEPTH OR THE CLEARANCE OF THE REINFORCING BAR CAGE OR OTHER EMBEDDED MATERIALS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

4 STEL ENGINEERING
26030 ACERO,
MISSION VIEJO, CA 92691
949.305.1150 | FAX 949.305.1420

M BAR C CONSTRUCTION INC.
1770 LA COSTA MEADOWS DRIVE
SAN MARCOS, CA 92078
ERIK KRIVOPOPICH
PHONE: (760) 744-4131
FAX: (760) 744-4449
ERIK@MBARCONLINE.COM
LIC # 869960
B AND C57
(770) 787-8845

ENGINEER'S APPROVAL

REGISTERED PROFESSIONAL ENGINEER
JUSTIN K. ROSEMAN
S 5885
CIVIL
STATE OF CALIFORNIA

BID INFORMATION
THE STRUCTURES AND DESIGNS IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. AND 4 S.T.E.L. ENGINEERING, INC. ALL SITES USING THIS PC: M BAR C CONSTRUCTION, INC. SHALL BE THE STEEL CONTRACTOR & 4 S. T. E. L. ENGINEERING, INC. SHALL BE THE SEOR. SEE THE STANDARD NOTES FOR PC USE ON S-1 FOR ADDITIONAL REQUIREMENTS.

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122195 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/26/2023

SITE SPECIFIC INFORMATION

REVISIONS

MARK	DATE	DESCRIPTION

4 STEL JOB #	MC03-V3-02
DATE	09-20-23
DRAWN BY	NML
CHECKED	CDL

GENERAL NOTES

S-3

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE

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

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

Application Number: 04-122195	**School Name:** Versa Canopy 22 PC	**School District:** N/A
DSA File Number:	**Increment Number:**	**Date Created:** 2023-04-11 10:56:19

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**
☑	a. Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	**Periodic**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) form for exemptions.)

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Note**
☑	a. Inspect drilling operations and maintain complete and accurate records for each pier.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)

	C1. CAST-IN-PLACE CONCRETE			
☑	**Test or Special Inspection**	**Type**	**Performed By**	**Code References and Notes**
☑	a. Verify use of required design mix.	**Periodic**	**SI**	**Table 1705A.3 Item 5, 1910A.1.**
☑	b. Identifiy, sample, and test reinforcing steel.	**Test**	**LOR**	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Test**	**LOR**	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'c).	**Test**	**LOR**	1905A.1.17; ACI 318-19 Section 26.12.

	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	**Periodic**	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☑	c. Examine seam welds of HSS shapes	**Periodic**	**SI**	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	**Periodic**	**SI**	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).

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

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**Periodic**	**SI**	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.

1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

THE EXAMPLE FORM DSA-103'S SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103'S. 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

1 - SAMPLE DSA 103 - STRUCTURES WITH PIER OR SPREAD FOOTINGS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

4 STEL ENGINEERING
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(775) 787-8845

ENGINEER'S APPROVAL

REGISTERED PROFESSIONAL ENGINEER
JUSTIN K. ROSEMAN
S 5885
12-31-24
STATE OF CALIFORNIA

BID INFORMATION

THE STRUCTURES AND DESIGNS IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. AND 4 S.T.E.L. ENGINEERING, INC. ALL SITES USING THIS PC: M BAR C CONSTRUCTION, INC. SHALL BE THE STEEL CONTRACTOR & 4 S.T.E.L. ENGINEERING, INC. SHALL BE THE SEOR. SEE THE STANDARD NOTES FOR PC USE ON S-1 FOR ADDITIONAL REQUIREMENTS.

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122195 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/26/2023

SITE SPECIFIC INFORMATION

REVISIONS

MARK	DATE	DESCRIPTION

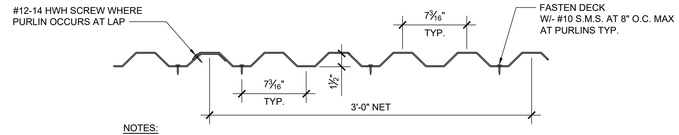
4 STEL JOB #	MC03-V3-02
DATE	09-20-23
DRAWN BY	NML
CHECKED	CDL

SAMPLE DSA-103 FORMS

S-4

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE

ROOF DECK SPECIFICATIONS						
SECTION PROPERTIES			TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
GA	F_y (ksi)	WEIGHT (psf)	I_x+ (in^4/ft.)	S_x+ (in^3/ft.)	I_x- (in^4/ft.)	S_x- (in^3/ft.)
26	80	0.93	0.0613	0.0676	0.0577	0.0575

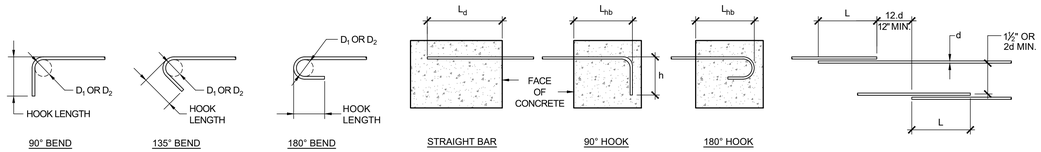


NOTES:

1. MATERIAL AND SECTION PROPERTIES LISTED ABOVE ARE MINIMUM REQUIRED VALUES FOR METAL DECK BASED ON MCELROY MEGARIB 26 GA.
2. METAL ROOF DECK SHALL BE CLASS A PER CBC CHAPTERS 7A AND 15.
3. ACTUAL MANUFACTURER'S PROPERTIES MUST MEET OR EXCEED MCELROY STANDARD PROPERTIES.

3 - DECK DETAIL

N.T.S.



FINISHED BEND DIAMETERS		
BAR SIZE	D_1	D_2
#3	1½"	2¼"
#4	2"	3"
#5	2½"	3¾"
#6, #7, #8	6d	6d

'D_1' - FINISHED BEND DIA. FOR STIRRUP & TIE HOOKS.

'D_2' - BEND DIA. FOR STD HOOKS.

'd' - BAR DIAMETER

STANDARD HOOK LENGTHS				
BAR SIZE	MAIN REINFT.		STIRRUP & TIE HOOKS	
	90°	180°	90°	180°
#3	6"	4"	3½"	4¼"
#4	8"	4½"	4½"	4½"
#5	10"	5"	5"	6"
#6	12"	6"	12"	7½"
#7	14"	7"	14"	9"
#8	16"	8"	16"	10"

REINFORCEMENT DEVELOPMENT LENGTHS				
CONCRETE STRENGTH		F'_c = 3,000 PSI		
NOMINAL BAR SIZE	h	L_d		L_{hb}
		TOP BARS	OTHER BARS	
#3	6"	1'-10"	1'-5"	9"
#4	8"	2'-5"	1'-10"	11"
#5	10"	3'-0"	2'-4"	1'-2"
#6	12"	3'-7"	2'-9"	1'-5"
#7	14"	5'-3"	4'-0"	1'-7"
#8	16"	6'-0"	4'-7"	1'-10"

NOTES:

1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW.

REINFORCEMENT LAP SPLICE LENGTH 'L'		
CONCRETE STRENGTH	F'_c=3,000 PSI	
NOMINAL BAR SIZE	TOP BARS	OTHER BARS
#3	2'-4"	1'-10"
#4	3'-2"	2'-5"
#5	3'-11"	3'-0"
#6	4'-8"	3'-7"
#7	6'-9"	5'-3"
#8	7'-9"	6'-0"

NOTES:

1. LAP SPLICE SHALL BE INCREASED 50% WHERE CLEAR SPACE BETWEEN BARS IS LESS THAN 2 BAR DIAMETERS AND/OR THE CLEAR COVER IS LESS THAN ONE BAR DIAMETER.

A STANDARD HOOKS

B DEVELOPMENT LENGTHS

C OFFSETS AND LAP SPLICES

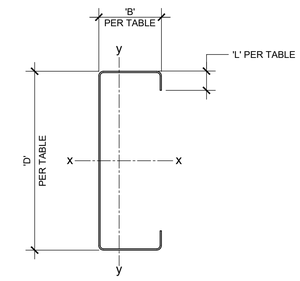
4 - TYPICAL REINFORCEMENT BAR BENDS AND LAPS

N.T.S.

USE	SECTION NAME	D (in)	B (in)	L (in)	GA	WT (lb/ft)	A (in^2)	AXIS X-X			AXIS Y-Y		
								I_x (in^4)	S_{xe} (in^3)	r_x (in)	I_y (in^4)	S_y (in^3)	r_y (in)
☐	CS12 x 4 x 0.102 (12 GA)	12	4.0	1.0	12	7.35	2.16	46.87	6.76	4.66	4.38	1.53	1.42
☐	CS12 x 4 x 0.124 (10 GA)	12	4.0	1.0	10	8.91	2.618	56.37	8.59	4.64	5.198	1.819	1.409
☐	CS14 x 4 x 0.102 (12 GA)	14	4.0	1.0	12	8.04	2.36	67.42	8.22	5.34	4.57	1.55	1.39
☐	CS14 x 4 x 0.124 (10 GA)	14	4.0	1.0	10	9.75	2.86	81.18	10.65	5.32	5.43	1.84	1.37

NOTES:

1. ALL PURLIN SECTIONS ARE ASTM A653, GR 55, F_y=55 ksi
2. ALL LIGHT GAGE STEEL DESIGNED USING 2016 AISI COLD-FORMED STEEL DESIGN MANUAL.
3. PROPERTIES PER AEP STANDARD SIZES.
4. ACTUAL MANUFACTURER'S PROPERTIES MUST MEET OR EXCEED AEP STANDARD PROPERTIES.



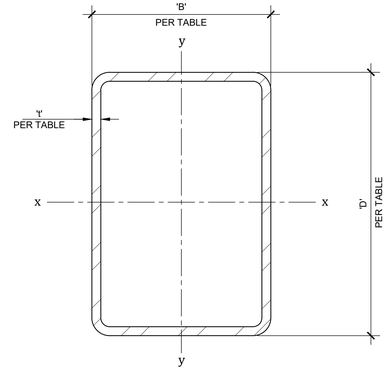
1 - PURLIN & BEAM COLD FORMED C-SECTION

N.T.S.

USE	SECTION NAME	D (in)	B (in)	t (in)	WT (lb/ft)	A (in^2)	AXIS X-X			AXIS Y-Y		
							I_x (in^4)	S_x (in^3)	r_x (in)	I_y (in^4)	S_y (in^3)	r_y (in)
☐	HSS 12 x 6 x 5/16	12	6	5/16	36.1	10.60	196	32.7	4.3	66.70	22.20	2.51
☐	HSS 12 x 6 x 3/8	12	6	3/8	42.79	12.60	228	38.0	4.25	77.30	25.80	2.48
☐	HSS 12 x 8 x 1/2	12	8	1/2	62.46	18.40	353	58.8	4.38	188.00	47.00	3.20

NOTES:

1. ALL COLUMNS SHALL BE ASTM A1085 GR. 50 (F_y=50 ksi)



2 - HSS COLUMN

N.T.S.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

4 STEL ENGINEERING
26030 ACERO,
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949.305.1150 | FAX 949.305.1420

M BAR C CONSTRUCTION INC.
1770 LA COSTA MEADOWS DRIVE, SAN MARCOS, CA 92078
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PHONE: (760) 744-4131
FAX: (760) 744-4449
ERIK@MBARCONLINE.COM
LIC # 869960 B AND C-51 (775) 787-8845

ENGINEER'S APPROVAL

REGISTERED PROFESSIONAL ENGINEER JUSTIN K. ROSEMAN S 5885 STRUCTURAL STATE OF CALIFORNIA

BID INFORMATION

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PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

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DATE: 09/26/2023

SITE SPECIFIC INFORMATION

REVISIONS

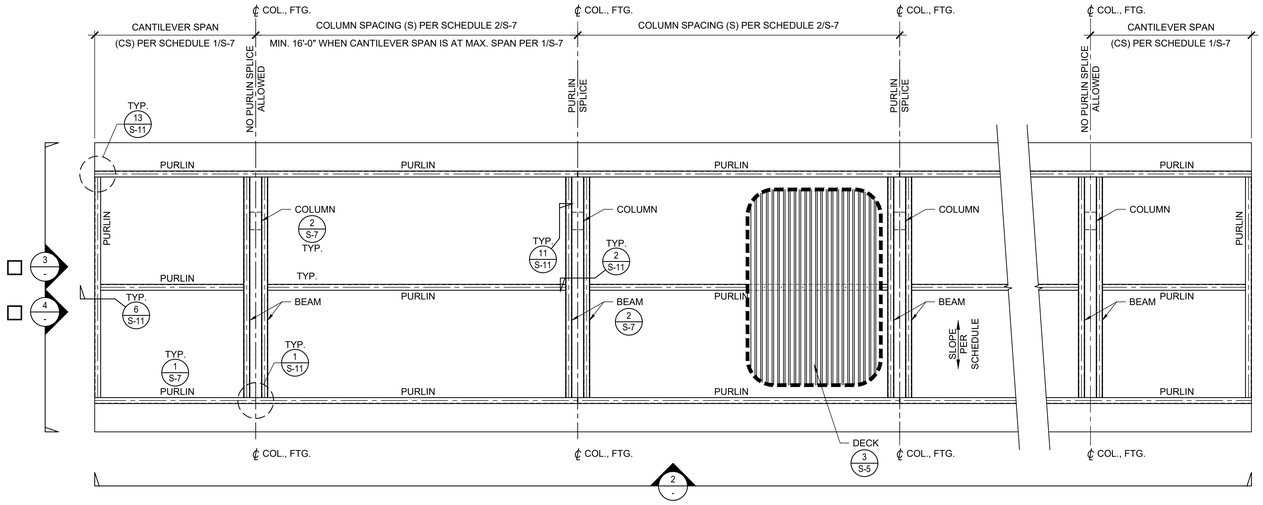
MARK	DATE	DESCRIPTION

4 STEL JOB #	MC03-V3-02
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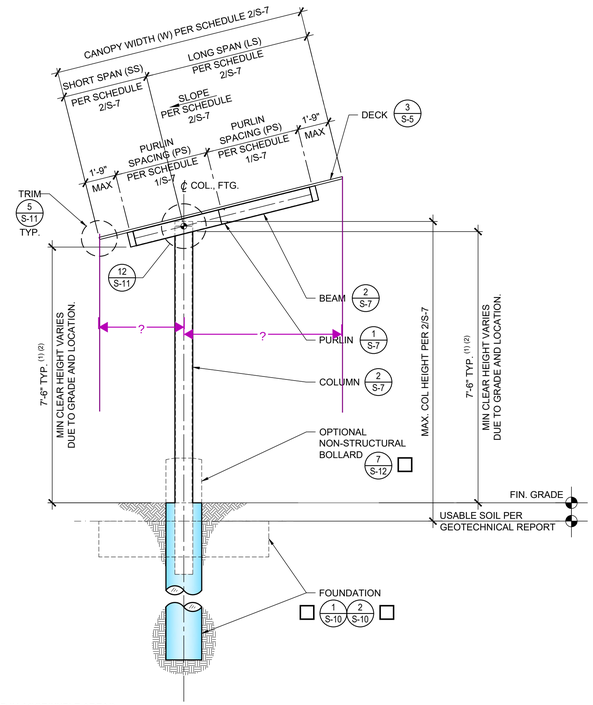
PROPERTIES & REBAR DETAILS

S-5

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE

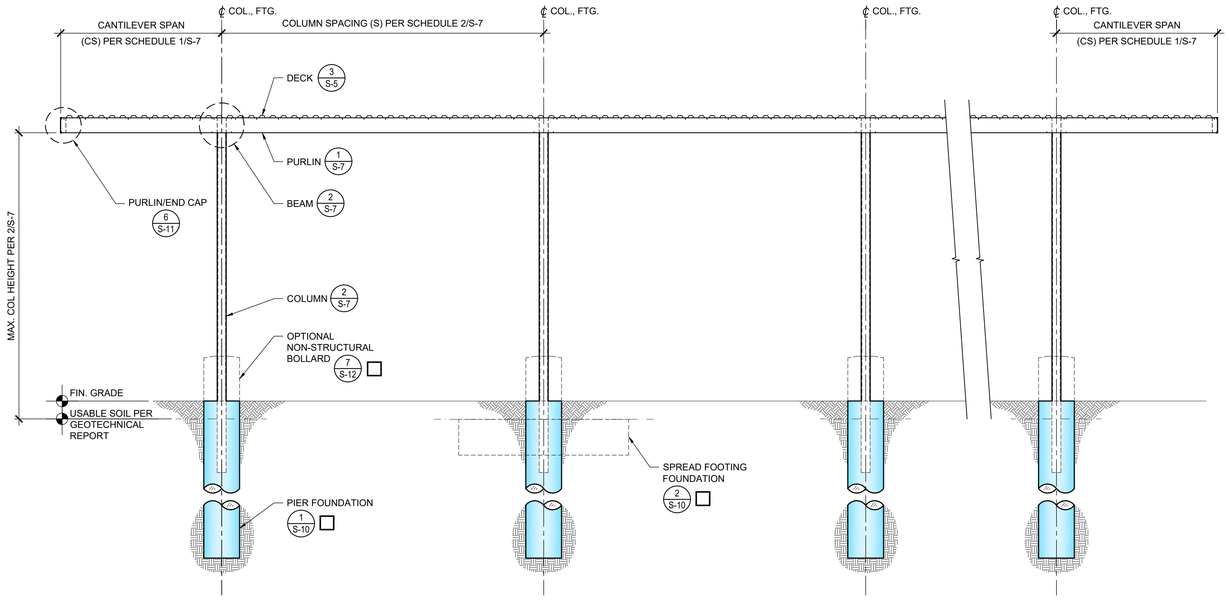


1 - VC14, VC18, VC20, VC24, VC28 & VC30
TYPICAL PLAN VIEW 1/4"=1'-0"

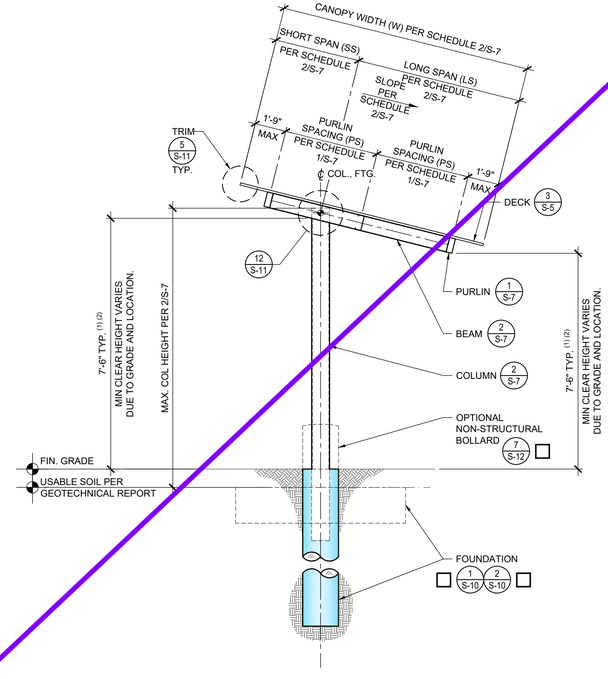


NOTES:
1. SEE ACCESS NOTES ON SHEET S-2 WHEN LOCATED IN ACCESSIBLE AREAS.
2. SEE FIRE LIFE SAFETY NOTE #1 ON SHEET S-2 WHEN AT FIRE LANE.

3 - VC14, VC18, VC20, VC24, VC28 & VC30
TYPICAL SIDE ELEVATION 1 1/4"=1'-0"



2 - VC14, VC18, VC20, VC24, VC28 & VC30
TYPICAL FRONT ELEVATION 1/4"=1'-0"



NOTES:
1. SEE ACCESS NOTES ON SHEET S-2 WHEN LOCATED IN ACCESSIBLE AREAS.
2. SEE FIRE LIFE SAFETY NOTE #1 ON SHEET S-2 WHEN AT FIRE LANE.

4 - VC14, VC18, VC20, VC24, VC28 & VC30
TYPICAL SIDE ELEVATION 2 1/4"=1'-0"

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VC14, VC18, VC20, VC24, VC28 & VC30 FRAMING PLAN & ELEVATIONS

S-6

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE

PURLIN SCHEDULE

USE	I.D. #	MAX WIND SPEED	MAX ROOF SNOW LOAD	MAX PURLIN SPACING (PS)	MAX COLUMN SPACING (S)	MAX CANTILEVER SPAN (CS)	PURLIN	
							SECTION	DETAIL
☐	VC14	99 MPH	0 psf	63"	27'-0"	10'-0"	CS12 x 4 x 0.102 (12 GA)	1/S-5
☒	VC18	99 MPH	0 psf	87"	27'-0"	10'-0"	CS14 x 4 x 0.102 (12 GA)	1/S-5
☐	VC20	99 MPH	0 psf	99"	16'-6"	6'-10"	CS14 x 4 x 0.102 (12 GA)	1/S-5
☐	VC24	130 MPH	0 psf	43"	25'-0"	7'-9"	CS12 x 4 x 0.102 (12 GA)	1/S-5
☐	VC28	130 MPH	0 psf	34 3/4"	26'-0"	6'-3"	CS12 x 4 x 0.102 (12 GA)	1/S-5
☐	VC30	130 MPH	0 psf	66"	18'-0"	6'-9"	CS12 x 4 x 0.102 (12 GA)	1/S-5

NOTES:
1. REFER TO SHEET 'S-2' FOR CONSTRUCTION OPTIONS.
2. REFER TO DETAIL '4/S-12' FOR ALLOWABLE PURLIN PENETRATIONS.
3. MULTIPLE STRUCTURE ID'S MAY BE SELECTED WITHIN THE SAME SITE.
4. WHEN UTILIZING A STRUCTURE ID READ FROM WITHIN THAT ID'S ROW ONLY.

1/- VC14, VC18, VC20, VC24, VC28 & VC30
TYPICAL PURLIN SCHEDULE

BEAM/COLUMN SCHEDULE

USE	I.D. #	MAX WIND SPEED	MAX ROOF SNOW LOAD	MAX WIDTH (W)	BEAM SHORT SPAN MIN (SS)	BEAM LONG SPAN MAX (LS)	MAX COLUMN SPACING (S)	ROOF SLOPE	BEAM		BEAM TO COLUMN SCHEDULE	COLUMN		MAX COLUMN HEIGHT
									SECTION	DETAIL		SECTION	DETAIL	
☐	VC14	99 MPH	0 psf	14'-0"	4'-3"	9'-9"	27'-0"	3:12 MAX	CS12 x 4 x 0.102 (12 GA)	1/S-5	12/S-11	HSS 12 x 6 x 5/16	2/S-5	17'-0"
☒	VC18	99 MPH	0 psf	18'-0"	7'-0"	11'-0"	27'-0"	3:12 MAX	CS14 x 4 x 0.102 (12 GA)	1/S-5	12/S-11	HSS 12 x 6 x 5/16	2/S-5	17'-0"
☐	VC20	99 MPH	0 psf	20'-0"	4'-0"	16'-0"	16'-6"	3:12 MAX	CS14 x 4 x 0.124 (12 GA)	1/S-5	12/S-11	HSS 12 x 6 x 3/8	2/S-5	16'-9"
☐	VC24	130 MPH	0 psf	14'-0"	5'-3"	9'-9"	25'-0"	3:12 MAX	CS12 x 4 x 0.102 (12 GA)	1/S-5	12/S-11	HSS 12 x 6 x 5/16	2/S-5	17'-0"
☐	VC28	130 MPH	0 psf	18'-0"	8'-6"	9'-6"	26'-0"	3:12 MAX	CS12 x 4 x 0.124 (10 GA)	1/S-5	12/S-11	HSS 12 x 6 x 3/8	2/S-5	17'-0"
☐	VC30	130 MPH	0 psf	20-0"	8'-9"	11'-3"	18'-0"	3:12 MAX	CS12 x 4 x 0.124 (10 GA)	1/S-5	12/S-11	HSS 12 x 6 x 5/16	2/S-5	17'-0"

NOTES:
1. MULTIPLE STRUCTURE ID'S MAY BE SELECTED WITHIN THE SAME SITE.
2. WHEN UTILIZING A STRUCTURE ID READ FROM WITHIN THAT ID ROW ONLY.
3. THE SHORT SPAN (SS) AND LONG SPANS (LS) MAY BE ADJUSTED WITH THE FOLLOWING REQUIREMENT:
THE OVERALL CANOPY WIDTH (W) IS NOT EXCEEDED, NEITHER SHORT SPAN (SS) IS LESS THAN THE MIN SHORT SPAN (SS) & NEITHER LONG SPAN (LS) EXCEEDS THE MAX LONG SPAN (LS).

☐ ☐

2/- VC14, VC18, VC20, VC24, VC28 & VC30
TYPICAL BEAM/COLUMN SCHEDULE

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S 5885
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4 STEL JOB #	MC03-V3-02
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VC14, VC18, VC20, VC24, VC28 & VC30 FRAMING SCHEDULES

S-7

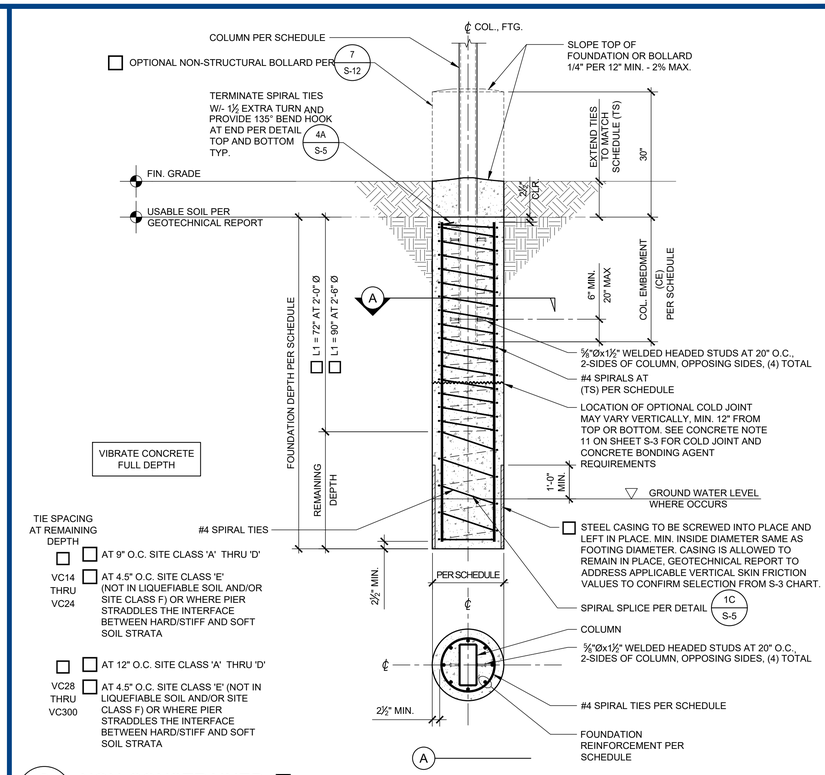
NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE

NON-CONSTRAINED PIER FOUDATION SCHEDULE

USE	I.D. #	MAX WIND SPEED	MAX ROOF SNOW LOAD	FOUNDATION LONGITUDINAL REINFORCEMENT	FOUNDATION DIAMETER (D)	MIN COLUMN EMBEDMENT (CE)	MAX TIE SPACING AT TOP (TS)	FOUNDATION DETAIL	PIER FOUNDATION MINIMUM DEPTH (SEE SOIL NOTES ON S-3) (5,6)				
									SOIL CLASS V ☐	SOIL CLASS W ☐	SOIL CLASS X ☐	SOIL CLASS Y ☐	SOIL CLASS Z ☐
☐	VC14	99 MPH	0 psf	6 - #6	2'-0"	3'-6"	4.5"	3 / -	14'-6"	10'-9"	9'-3"	8'-3"	7'-3"
☒	VC18	99 MPH	0 psf	6 - #6	2'-0"	3'-6"	4.5"	3 / -	14'-9"	11'-3"	9'-9"	8'-9"	7'-6"
☐	VC20	99 MPH	0 psf	6 - #6	2'-0"	3'-6"	4.5"	3 / -	16'-0"	12'-0"	10'-3"	9'-3"	7'-9"
☐	VC24	130 MPH	0 psf	6 - #6	2'-0"	3'-6"	4.5"	3 / -	14'-9"	11'-6"	10'-0"	9'-0"	7'-9"
☐	VC28	130 MPH	0 psf	6 - #8	2'-0"	3'-6"	6"	3 / -	N/A	12'-9"	11'-0"	10'-0"	8'-6"
☐	VC30	130 MPH	0 psf	6 - #8	2'-0"	3'-6"	6"	3 / -	15'-0"	11'-9"	10'-3"	9'-3"	8'-0"
☐	VC140	99 MPH	45.4 psf	6 - #8	2'-6"	4'-8"	6"	3 / -	N/A	15'-9"	13'-6"	12'-3"	10'-6"
☐	VC180	99 MPH	45.4 psf	6 - #8	2'-6"	4'-8"	6"	3 / -	N/A	14'-9"	12'-6"	11'-3"	9'-6"
☐	VC200	99 MPH	45.4 psf	6 - #8	2'-6"	4'-8"	6"	3 / -	N/A	15'-6"	13'-3"	12'-0"	10'-6"
☐	VC240	130 MPH	45.4 psf	6 - #8	2'-6"	4'-8"	6"	3 / -	N/A	14'-6"	12'-3"	11'-0"	9'-6"
☐	VC280	130 MPH	45.4 psf	6 - #8	2'-6"	4'-8"	6"	3 / -	N/A	17'-3"	14'-9"	13'-3"	11'-6"
☐	VC300	130 MPH	45.4 psf	6 - #8	2'-6"	4'-8"	6"	3 / -	N/A	16'-9"	14'-3"	13'-0"	11'-3"

NOTES:
1. MULTIPLE STRUCTURE ID'S MAY BE SELECTED WITHIN THE SAME SITE.
2. WHEN UTILIZING A STRUCTURE ID READ FROM WITHIN THAT ID ROW ONLY.
3. SEE SOILS NOTES ON SHEET S-3 FOR INFORMATION ON SOILS CLASS SELECTION.
4. FOR SITUATIONS WHERE WATER MITIGATION IS NECESSARY, OR FOR OTHER CONDITIONS REQUIRING MITIGATION, REFER TO DETAIL 2/- FOR SLEEVED FOUNDATION OPTION.
5. MAXIMUM EMBEDMENT IS 16' = 8D FOR A 24" PIER AND 20' = 8D FOR A 30" PIER MEASURED FROM USABLE SOIL.
☐ 6. WHEN NO GEOTECHNICAL REPORT IS PROVIDED USE SOIL CLASS V.

1 / - PIER FOUNDATION SCHEDULE



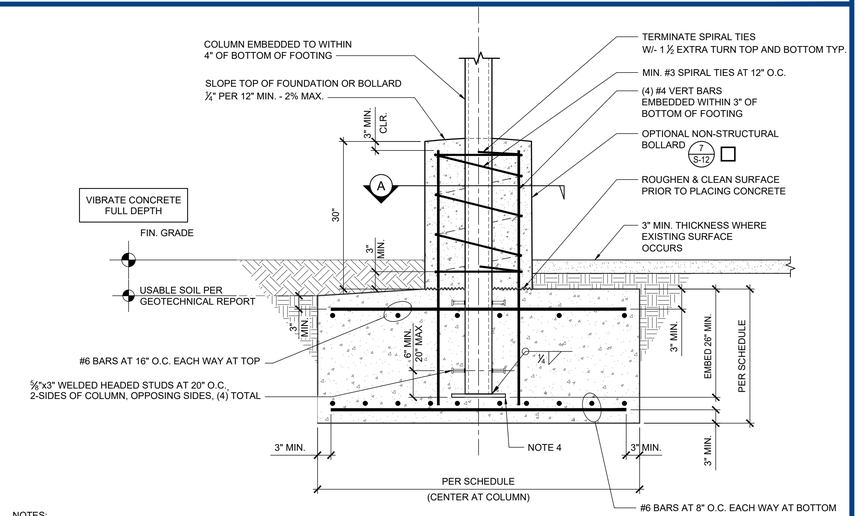
3 / - NON-CONSTRAINED ☐ PIER FOUNDATION 1/2"=1'-0"

SPREAD FOOTING SCHEDULE

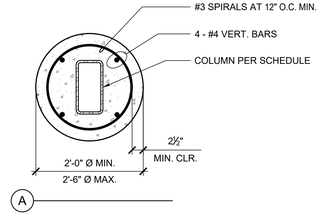
USE	I.D. #	MAX WIND SPEED	MAX ROOF SNOW LOAD	FOUNDATION DETAIL	SPREAD FOOTING MINIMUM DIMENSIONS FOR SOIL CLASS V (SOILS NOTES S-3)
☐	VC14	99 MPH	0 psf	4 / -	8'-9" (SQ.) x 2'-8" DEEP
☒	VC18	99 MPH	0 psf	4 / -	9'-6" (SQ.) x 2'-8" DEEP
☐	VC20	99 MPH	0 psf	4 / -	9'-9" (SQ.) x 2'-8" DEEP
☐	VC24	130 MPH	0 psf	4 / -	10'-6" (SQ.) x 2'-8" DEEP
☐	VC28	130 MPH	0 psf	4 / -	11'-6" (SQ.) x 2'-8" DEEP
☐	VC30	130 MPH	0 psf	4 / -	10'-9" (SQ.) x 2'-8" DEEP
☐	VC140	99 MPH	45.4 psf	4 / -	13'-0" (SQ.) x 2'-8" DEEP
☐	VC180	99 MPH	45.4 psf	4 / -	13'-3" (SQ.) x 2'-8" DEEP
☐	VC200	99 MPH	45.4 psf	4 / -	13'-9" (SQ.) x 2'-8" DEEP
☐	VC240	130 MPH	45.4 psf	4 / -	13'-0" (SQ.) x 2'-8" DEEP
☐	VC280	130 MPH	45.4 psf	4 / -	13'-9" (SQ.) x 2'-8" DEEP
☐	VC300	130 MPH	45.4 psf	4 / -	13'-9" (SQ.) x 2'-8" DEEP

NOTES:
1. MULTIPLE STRUCTURE ID'S MAY BE SELECTED WITHIN THE SAME SITE.
2. WHEN UTILIZING A STRUCTURE ID READ FROM WITHIN THAT ID ROW ONLY.
3. SEE SOILS NOTES ON SHEET S-3 FOR INFORMATION ON SOILS CLASS SELECTION.

2 / - SPREAD FOOTING SCHEDULE



NOTES:
1. CONCRETE BOLLARDS TO BE POURED IN A SECOND POUR AFTER THE FOUNDATION BELOW GRADE IS POURED. DSA INSPECTOR TO PERIODICALLY INSPECT THE INSTALLATION OF BONDING AGENT WHEN USED.
2. BOLLARD REBAR CAGE SHALL BE CONSTRUCTED INDEPENDENTLY FROM THE FOUNDATION USING 4-#4 VERTICAL BARS. BOLLARD VERTICAL BARS MAY BE TIED TO FOUNDATION BARS PRIOR TO CONCRETE POUR OR WET SET PER NOTE 3.
3. VERTICAL BARS IN THE NONSTRUCTURAL BOLLARD ARE PERMITTED TO BE WET SET INTO THE STRUCTURAL FOUNDATION, PROVIDED THE FOUNDATION IS SUFFICIENTLY WORKABLE SO AS NOT TO REQUIRE HAMMERING IN OR ANY OTHER SUCH METHOD. WET SET SHALL BE PERFORMED USING #4 BARS WITH MINIMUM 20" EMBEDMENT.
4. 1" THICK A36 STEEL PLATE. PLATE TO EXTEND PAST ALL SIDES OF COLUMN BY 4" MIN.



4 / - SPREAD FOOTING ☐ 3/4"=1'-0"

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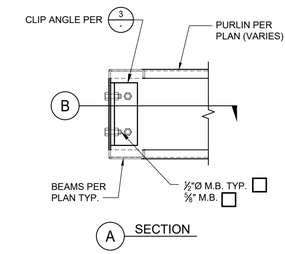
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CHECKED	CDL

PIER FOUNDATION & SPREAD FOOTING SCHEDULES

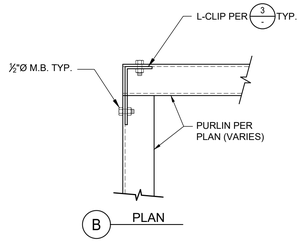
S-10

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE



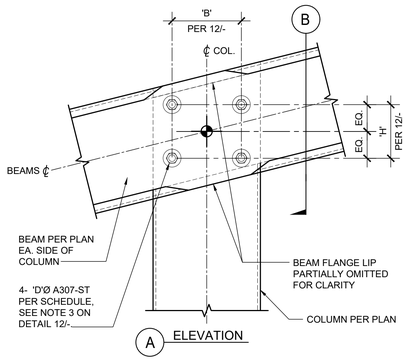
NOTES:

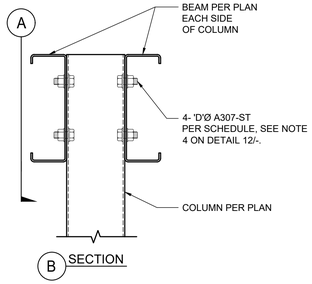
1. ROOF DECK NOT SHOWN FOR CLARITY.



13 - END PURLIN TO PURLIN

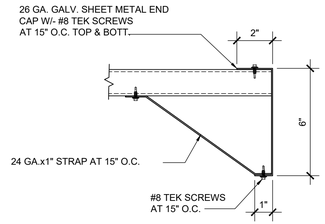
1-1/2"=1'-0"





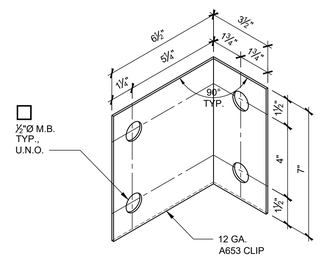
11 - BEAM TO COLUMN - 4 BOLT

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



8 - ROOF DECK TRIM DETAIL (OPTIONAL)

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

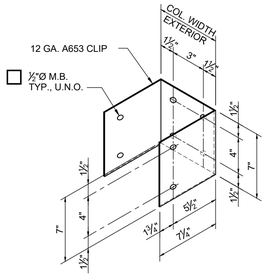


NOTES:

1. USE ⅝" Ø M.B. AT VC18, VC20, VC140 & VC240 OPTIONS
2. USE ¾" Ø M.B. AT VC180, VC200, VC280 & VC300 OPTIONS

3 - L-CLIP INTERIOR PURLIN TO BEAM

3"=1'-0"

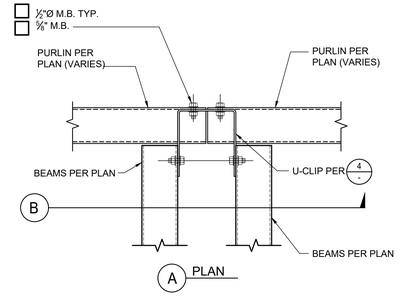


NOTES:

1. USE ⅝" Ø M.B. AT VC18, VC20 OPTIONS

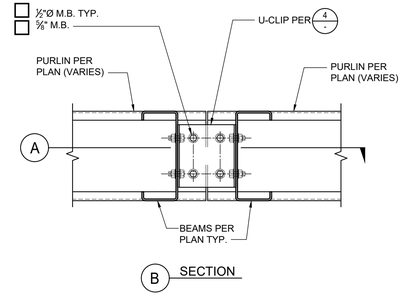
4 - U-CLIP EXTERIOR PURLIN TO BEAM

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



NOTES:

1. ROOF DECK NOT SHOWN FOR CLARITY.
2. PURLINS AT CANTILEVER SHALL BE CONTINUOUS.



1 - EXTERIOR PURLIN TO BEAM

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

BEAM TO COLUMN CONNECTION SCHEDULE

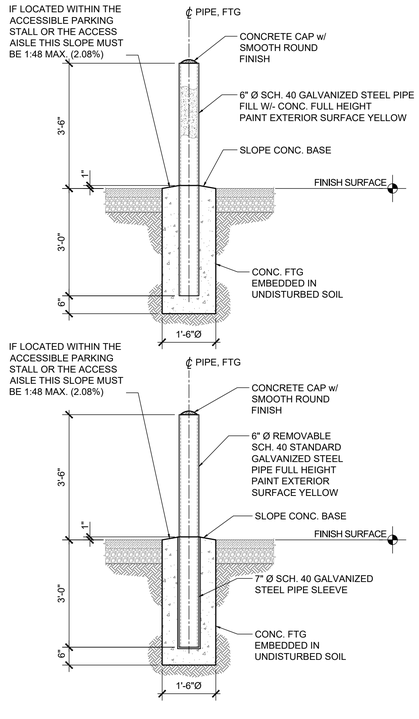
USE	I.D. #	MAX WIND SPEED	MAX ROOF SNOW LOAD	# OF BOLTS (n)	BOLTED CONNECTION DETAIL	BOLT DIAMETER (D) ASTM A307-ST	BOLT PATTERN (B x H)
☐	VC14	99 MPH	0 psf	4	11/-	1"	6" x 8"
☒	VC18	99 MPH	0 psf	4	11/-	1"	6" x 8"
☐	VC20	99 MPH	0 psf	4	11/-	1"	6" x 10"
☐	VC24	130 MPH	0 psf	4	11/-	1"	8" x 8"
☐	VC28	130 MPH	0 psf	4	11/-	1"	8" x 8"
☐	VC30	130 MPH	0 psf	4	11/-	1"	6" x 8"
☐	VC140	99 MPH	45.4 psf	4	11/-	1"	6" x 10"
☐	VC180	99 MPH	45.4 psf	4	11/-	1"	6" x 10"
☐	VC200	99 MPH	45.4 psf	4	11/-	1"	6" x 10"
☐	VC240	130 MPH	45.4 psf	4	11/-	1"	6" x 10"
☐	VC280	130 MPH	45.4 psf	4	11/-	1"	6" x 10"
☐	VC300	130 MPH	45.4 psf	4	11/-	1"	6" x 10"

NOTES:

1. MULTIPLE STRUCTURE ID'S MAY BE SELECTED WITHIN THE SAME SITE.
2. WHEN UTILIZING A STRUCTURE ID READ FROM WITHIN THAT ID ROW ONLY.
3. BOLTS SHALL BE A307-ST WITH STANDARD NUTS PER ASTM A563 AND WASHERS TYPICAL U.N.O.
4. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED.
5. WASHERS ARE REQUIRED AT BOLTED CONNECTION ON THE OUTSIDE FACE OF BEAMS PER DETAIL 11/-.

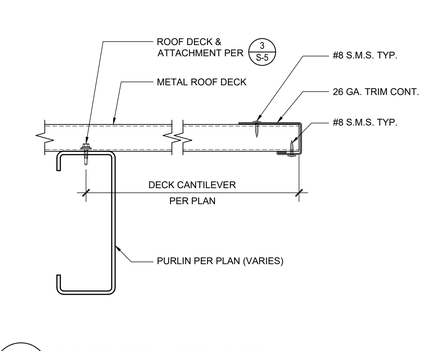
12 - BEAM TO COLUMN SCHEDULE

N.T.S.



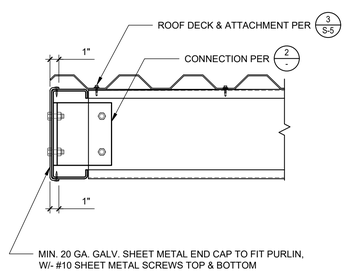
10 - TYPICAL BOLLARD

1/2"=1'-0"



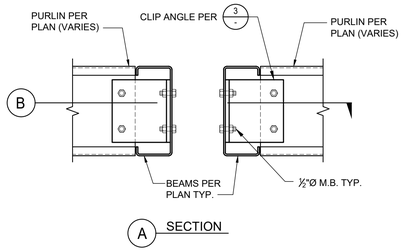
5 - ROOF DECK TRIM DETAIL

3"=1'-0"



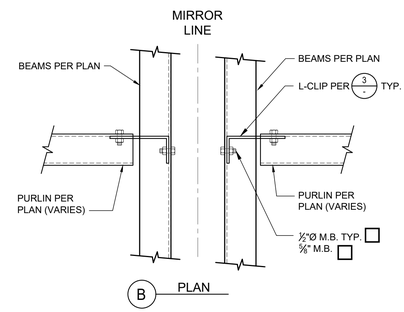
6 - END ENCLOSURE DETAIL

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



NOTES:

1. ROOF DECK NOT SHOWN FOR CLARITY.



2 - INTERIOR PURLIN TO BEAM

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

4 STEEL ENGINEERING
26030 ACERO,
MISSION VIEJO, CA 92691
949.305.1150 | FAX 949.305.1420

M BAR C CONSTRUCTION INC.
1770 LA COSTA MEADOWS DRIVE, SAN MARCOS, CA 92078
ERIK KRIVOPOPICH
PHONE: (760) 744-4131
FAX: (760) 744-4449
ERIK@MBARCONLINE.COM
LIC # 869960 B AND C-21
(775) 787-8845

ENGINEER'S APPROVAL

REGISTERED PROFESSIONAL ENGINEER JUSTIN K. ROSEMAN S 5885 CIVIL STATE OF CALIFORNIA

BID INFORMATION

THE STRUCTURES AND DESIGNS IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. AND 4 S.T.E.L. ENGINEERING, INC. ALL SITES USING THIS PC: M BAR C CONSTRUCTION, INC. SHALL BE THE STEEL CONTRACTOR & 4 S.T.E.L. ENGINEERING, INC. SHALL BE THE SEOR. SEE THE STANDARD NOTES FOR PC USE ON S-1 FOR ADDITIONAL REQUIREMENTS.

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122195 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/26/2023

SITE SPECIFIC INFORMATION

REVISIONS

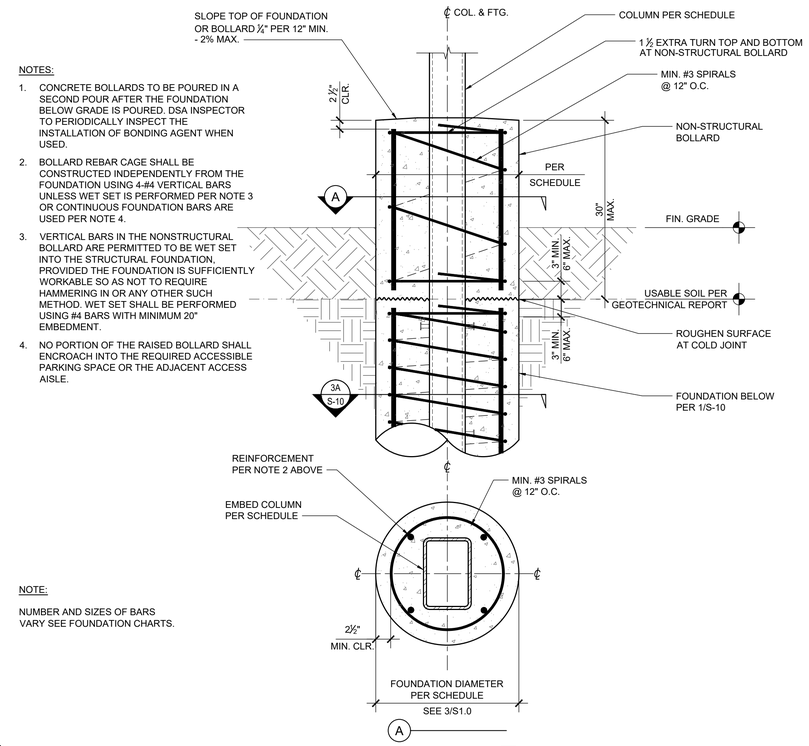
MARK	DATE	DESCRIPTION

4 STEL JOB #	MC03-V3-02
DATE	09-20-23
DRAWN BY	NML
CHECKED	CDL

STANDARD DETAILS 1

S-11

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE



NOTES:

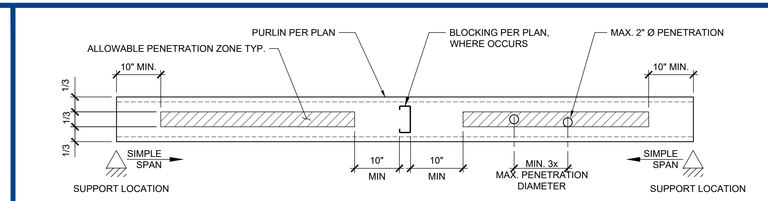
1. CONCRETE BOLLARDS TO BE POURED IN A SECOND POUR AFTER THE FOUNDATION BELOW GRADE IS POURED. DSA INSPECTOR TO PERIODICALLY INSPECT THE INSTALLATION OF BONDING AGENT WHEN USED.
2. BOLLARD REBAR CAGE SHALL BE CONSTRUCTED INDEPENDENTLY FROM THE FOUNDATION USING 4-#4 VERTICAL BARS UNLESS WET SET IS PERFORMED PER NOTE 3 OR CONTINUOUS FOUNDATION BARS ARE USED PER NOTE 4.
3. VERTICAL BARS IN THE NONSTRUCTURAL BOLLARD ARE PERMITTED TO BE WET SET INTO THE STRUCTURAL FOUNDATION, PROVIDED THE FOUNDATION IS SUFFICIENTLY WORKABLE SO AS NOT TO REQUIRE HAMMERING IN OR ANY OTHER SUCH METHOD. WET SET SHALL BE PERFORMED USING #4 BARS WITH MINIMUM 20" EMBEDMENT.
4. NO PORTION OF THE RAISED BOLLARD SHALL ENCROACH INTO THE REQUIRED ACCESSIBLE PARKING SPACE OR THE ADJACENT ACCESS AISLE.

NOTE:

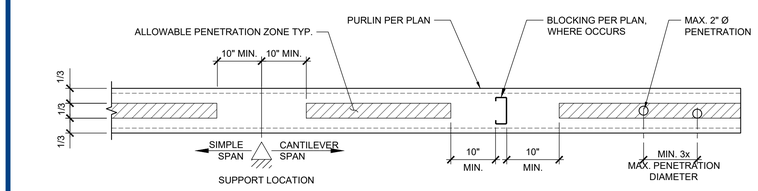
NUMBER AND SIZES OF BARS VARY SEE FOUNDATION CHARTS.

7 - OPTIONAL NONSTRUCTURAL CONCRETE BOLLARD ☒

1"=1'-0"



SIMPLE SUPPORT SPAN

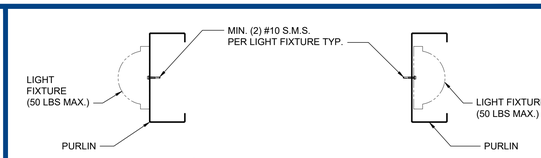


CANTILEVER SPAN

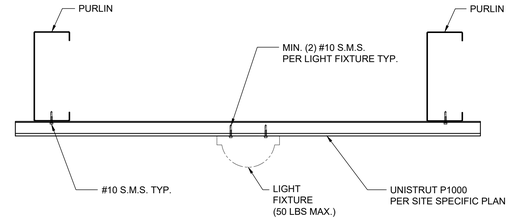
NOTE:
IF MORE THAN 5 PENETRATIONS PER SPAN ARE NEEDED, CONTRACTOR TO SUBMIT AN RFI TO DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE TO ENSURE REQUIREMENTS OF THIS DETAIL ARE MET AND TO JUSTIFY THE QUANTITY OF PENETRATIONS NEEDED.

4 - ALLOWABLE PURLIN PENETRATIONS

3/4"=1'-0"

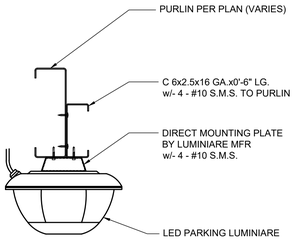


NOTE:
ALL STRUCTURAL CONNECTION POINTS REQUIRED BY MANUFACTURER TO MAINTAIN WARRANTY TO BE FILLED. THIS MAY EXCEED THE MINIMUM NUMBER OF SCREWS.



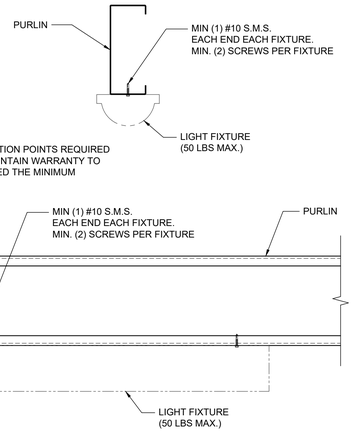
1 - LIGHT INSTALLATION OPTIONS ☐

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



5 - TYPICAL PARKING LUMINAIRE AT PURLIN ☒

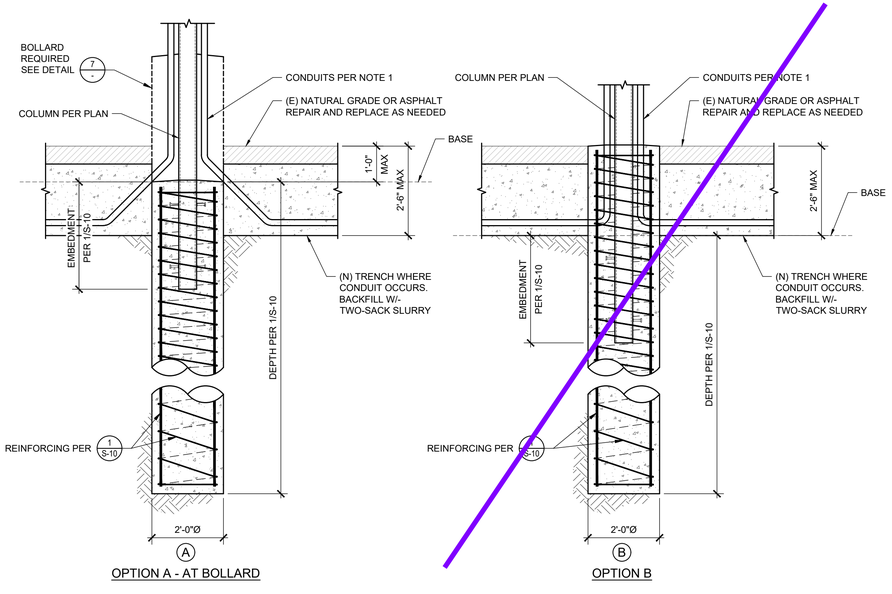
1 1/2"=1'-0"



NOTE:
ALL STRUCTURAL CONNECTION POINTS REQUIRED BY MANUFACTURER TO MAINTAIN WARRANTY TO BE FILLED. THIS MAY EXCEED THE MINIMUM NUMBER OF SCREWS.

2 - ALTERNATE LIGHT INSTALLATION OPTIONS ☒

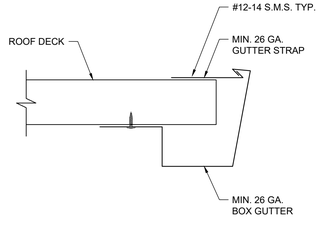
1-1/2"=1'-0"



NOTE:
1. CONDUIT IN FOUNDATION SHALL NOT EXCEED (1) 2" MAX Ø CONDUIT OR (2) 1½" MAX Ø CONDUIT. WHEN (2) CONDUIT ARE USED IN THE SAME FOUNDATION, THE CONDUIT MAY ENTER THE FOUNDATION FROM EITHER SIDE.
2. CONDUIT TRENCH SHALL BE FILLED WITH MIN 2-SACK SLURRY.

8 - CONDUIT AT DRILLED PIER

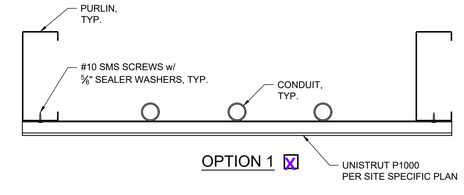
1"=1'-0"



NOTE:
RAINWATER LEADERS (RWL) BY OTHERS

6 - GUTTER DETAIL ☐

3"=1'-0"



OPTION 1 ☒



OPTION 2 ☐ OPTION 3 ☒

3 - CONDUIT SUPPORT/ LOCATION OPTIONS ☐

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

4 STEL ENGINEERING
26030 ACERO,
MISSION VIEJO, CA 92691
949.305.1150 | FAX 949.305.1420

M BAR C CONSTRUCTION INC.
1770 LA COSTA MEADOWS DRIVE, SAN MARCOS, CA 92078
ERIK KRIVOPOPICH
PHONE: (760) 744-4131
FAX: (760) 744-4449
ERIK@MBARCONLINE.COM
LIC # 869960 B AND C-51
(770) 787-8845

ENGINEER'S APPROVAL

REGISTERED PROFESSIONAL ENGINEER JUSTIN K. ROSEMAN S 5885 CIVIL STATE OF CALIFORNIA

BID INFORMATION

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PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122195 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/26/2023

SITE SPECIFIC INFORMATION

REVISIONS

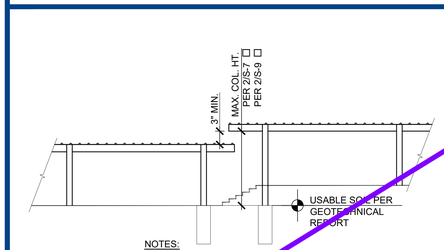
MARK	DATE	DESCRIPTION

4 STEL JOB #	MC03-V3-02
DATE	09-20-23
DRAWN BY	NML
CHECKED	CDL

STANDARD DETAILS 2

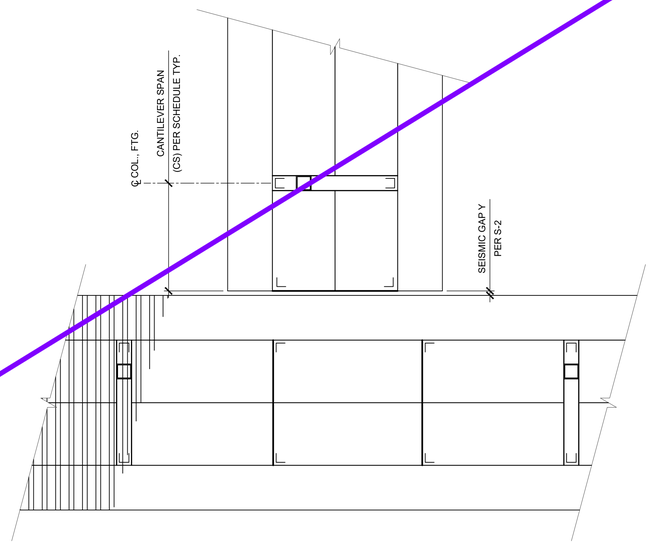
S-12

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE



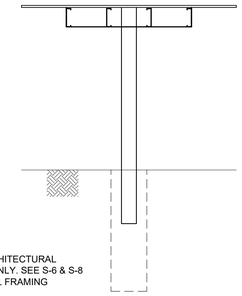
NOTES:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.
2. OPTION ONLY ALLOWED IF SITE SPECIFIC MAXIMUM DRIFT SNOW LOAD IS LESS THAN THE ALLOWABLE SNOW LOAD OF THE STRUCTURE SELECTIONS.

10 - ELEVATION ☐ AT STAIRS 3/32"=1'-0"



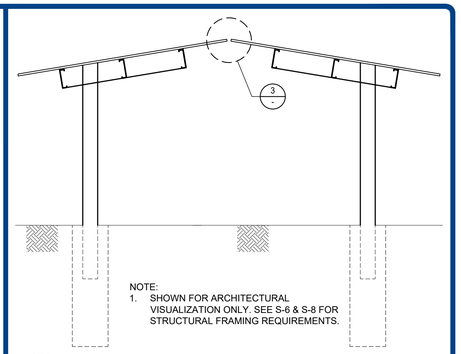
NOTE:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.

9 - 90 DEGREE ROOF ☐ CONNECTION OPTION 1/4"=1'-0"



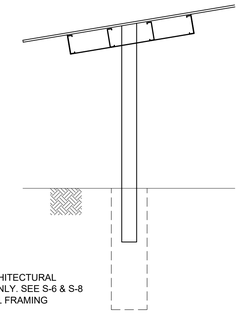
NOTE:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.

5 - CENTERED ROOF ☐ ELEVATION OPTION 1 1/4"=1'-0"



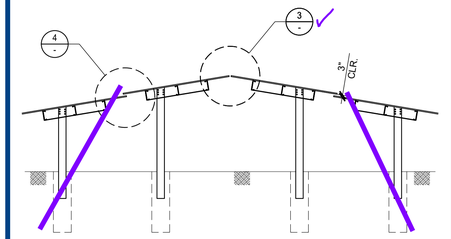
NOTE:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.

1 - GABLE ROOF ☐ ELEVATION OPTION 1/4"=1'-0"



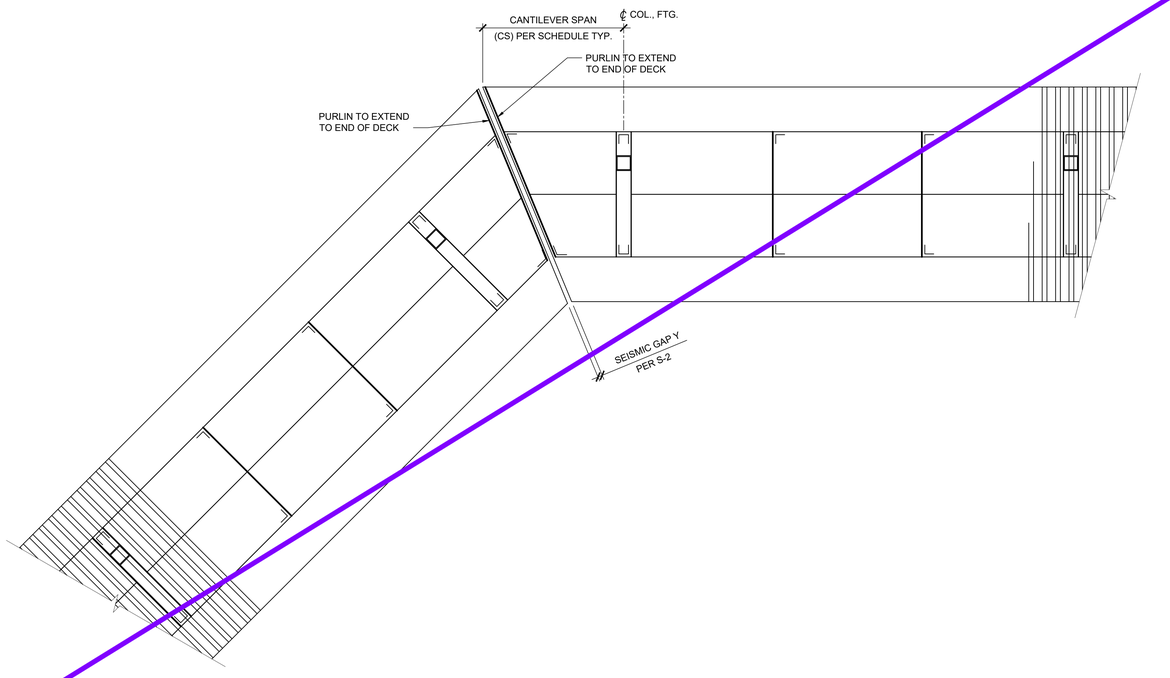
NOTE:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.

6 - CENTERED ROOF ☐ ELEVATION OPTION 2 1/4"=1'-0"



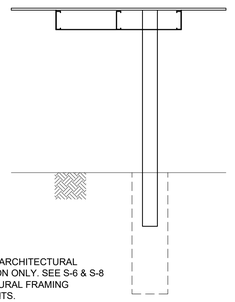
NOTE:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.

2 - DOUBLE GABLE ROOF ☒ ELEVATION OPTION 2 3/32"=1'-0"



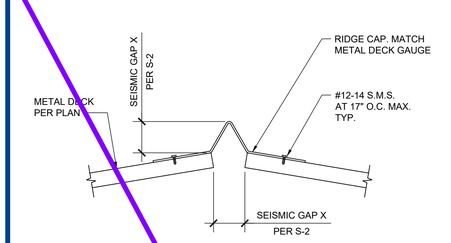
NOTE:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.

11 - 45° DEGREE ANGLED ROOF ☐ CONNECTION OPTION 1/4"=1'-0"

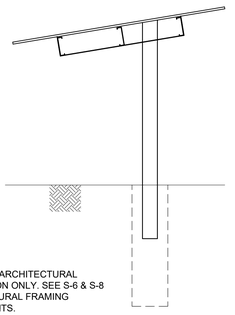


NOTE:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.

7 - OFFSET ROOF ☐ ELEVATION OPTION 1 1/4"=1'-0"

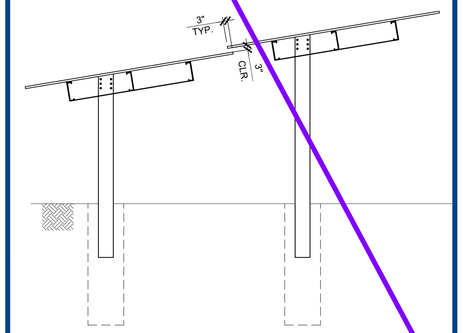


3 - RIDGE CAP ☐ 1-1/2"=1'-0"



NOTE:
1. SHOWN FOR ARCHITECTURAL VISUALIZATION ONLY. SEE S-6 & S-8 FOR STRUCTURAL FRAMING REQUIREMENTS.

8 - OFFSET ROOF ☐ ELEVATION OPTION 2 1/4"=1'-0"



4 - DECK OVERLAP ☐ 1-1/2"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123841 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 01/09/2026

4 STEL ENGINEERING
26030 ACERO,
MISSION VIEJO, CA 92691
949.305.1150 | FAX 949.305.1420

M BAR C CONSTRUCTION INC.
1770 LA COSTA MEADOWS DRIVE, SAN MARCOS, CA 92078
ERIK KRIVOPOPICH
PHONE: (760) 744-4131
FAX: (760) 744-4449
ERIK@MBARCONLINE.COM
LIC # 869960 B AND C-51 (775) 787-8845

ENGINEER'S APPROVAL

REGISTERED PROFESSIONAL ENGINEER JUSTIN K. ROSEPINK S 5885 CIVIL STATE OF CALIFORNIA

BID INFORMATION

THE STRUCTURES AND DESIGNS IN THIS PC ARE PROPRIETARY TO M BAR C CONSTRUCTION, INC. AND 4 S.T.E.L. ENGINEERING, INC. ALL SITES USING THIS PC: M BAR C CONSTRUCTION, INC. SHALL BE THE STEEL CONTRACTOR & 4 S.T.E.L. ENGINEERING, INC. SHALL BE THE SEOR. SEE THE STANDARD NOTES FOR PC USE ON S-1 FOR ADDITIONAL REQUIREMENTS.

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122195 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/26/2023

SITE SPECIFIC INFORMATION

REVISIONS

MARK	DATE	DESCRIPTION

4 STEL JOB #	MC03-V3-02
DATE	09-20-23
DRAWN BY	NML
CHECKED	CDL

STANDARD DETAILS 3

S-13

NOTE: IF DWG. IS NOT 24 x 36, IT IS NOT FULL SIZE