

ADDENDUM # 001

Project: Lodi Unified School District
Tokay High School
AG Area Site Improvements
19six #: 23381
DSA #: 02-122224
Bid #: 6388

Date: September 5, 2024

To all bidders submitting proposals for the above captioned project. This Addendum is hereby included in the Contract Documents to the same extent as though it were originally included therein. The following items modify, add to, delete from, or explain the drawings and/or specifications. The contents of this Addendum shall take precedence over the original specifications and plans.

Item #1: **Alternates and Unit Pricing** . Replace previously issued 01 22 00 Alternates and Unit Pricing Document in its entirety.

Item #2: **Accessible Gate** Installation of additional ADA compliant gate with description of hardware associated with both gates.

ATTACHMENTS:*SPECIFICATIONS*

Alternates and Unit Pricing Document 01 22 00

DRAWINGS

C2.1, C3.1, C4.1, C5.2, A-102, A-111, MP-001, MP-201, E0.1, E0.2, E1.1, E2.1.

Mariana Alvarez-Parga

C-36107





DOCUMENT 01 22 00
ALTERNATES AND UNIT PRICING

Addendum #001 09/05/2024

PART 4 – ALTERNATES

4.01 RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions;
- C. Bid Form and Proposal;
- D. Instruction to Bidders.

4.02 DESCRIPTION

The items of work indicated below propose modifications to, substitutions for, additions to and/or deletions from the various parts of the Work specified in other Sections of the Specifications. The acceptance or rejection of any of the alternates is strictly at the option of the District subject to District's acceptance of Contractor's stated prices contained in this Proposal.

4.03 GENERAL

Where an item is omitted, or scope of Work is decreased, all Work pertaining to the item whether specifically stated or not, shall be omitted and where an item is added or modified or where scope of Work is increased, all Work pertaining to that required to render same ready for use on the Project in accordance with intention of Drawings and Specifications shall be included in an agreed upon price amount.

4.04 BASE BID

The Base Bid includes all work required to the pre-manufactured steel building structure and sub-structure, footings, engineering, calculations, permitting, structural review and inspections. Grade area for steel building and concrete pad. Create an accessible path of travel to the building and public right of way, including parking and gate requirements associated with DSA approval. The base bid is the sum of the work above and the basis of selection:

<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: right; margin-bottom: 5px;">dollars</div>	<div style="text-align: right; margin-bottom: 5px;">\$ <div style="border-bottom: 1px solid black; width: 100%;"></div></div>
BASE BID	

<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: right; margin-bottom: 5px;">dollars</div>	<div style="text-align: right; margin-bottom: 5px;">\$ <div style="border-bottom: 1px solid black; width: 100%;"></div></div>
15% OWNER CONTROLLED ALLOWANCE	

<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: right; margin-bottom: 5px;">dollars</div>	<div style="text-align: right; margin-bottom: 5px;">\$ <div style="border-bottom: 1px solid black; width: 100%;"></div></div>
TOTAL= BASE BID WITH OWNER CONTROLLED ALLOWANCE	

4.05 ALTERNATES

<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: right; margin-bottom: 5px;">dollars</div>	<div style="text-align: right; margin-bottom: 5px;">\$ <div style="border-bottom: 1px solid black; width: 100%;"></div></div>
<u>Add Alt #001:</u> All electrical work associated with the project.	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: right; margin-bottom: 5px;">dollars</div>	<div style="text-align: right; margin-bottom: 5px;">\$ <div style="border-bottom: 1px solid black; width: 100%;"></div></div>
<u>Add Alt #002:</u> Fresh water to the building, installation of the septic tank, drainage trough for stall washout	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: right; margin-bottom: 5px;">dollars</div>	<div style="text-align: right; margin-bottom: 5px;">\$ <div style="border-bottom: 1px solid black; width: 100%;"></div></div>
<u>Add Alt #003:</u> Concrete surrounding the building.	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: right; margin-bottom: 5px;">dollars</div>	<div style="text-align: right; margin-bottom: 5px;">\$ <div style="border-bottom: 1px solid black; width: 100%;"></div></div>
<u>Add Alt #004:</u> Replace (N) Concrete sidewalk from new accessible parking to public right of way with asphalt paving.	

PART 5 - UNIT PRICING

5.01 GENERAL

Contractor shall completely state all required figures based on Unit Prices listed below. Where scope of Work is decreased, all Work pertaining to the item, whether specifically stated or not, shall be omitted and where scope of Work is increased, all work pertaining to that item required to render same ready for use on the Project in accordance with intention of Drawings and Specifications shall be included in an agreed upon price amount.



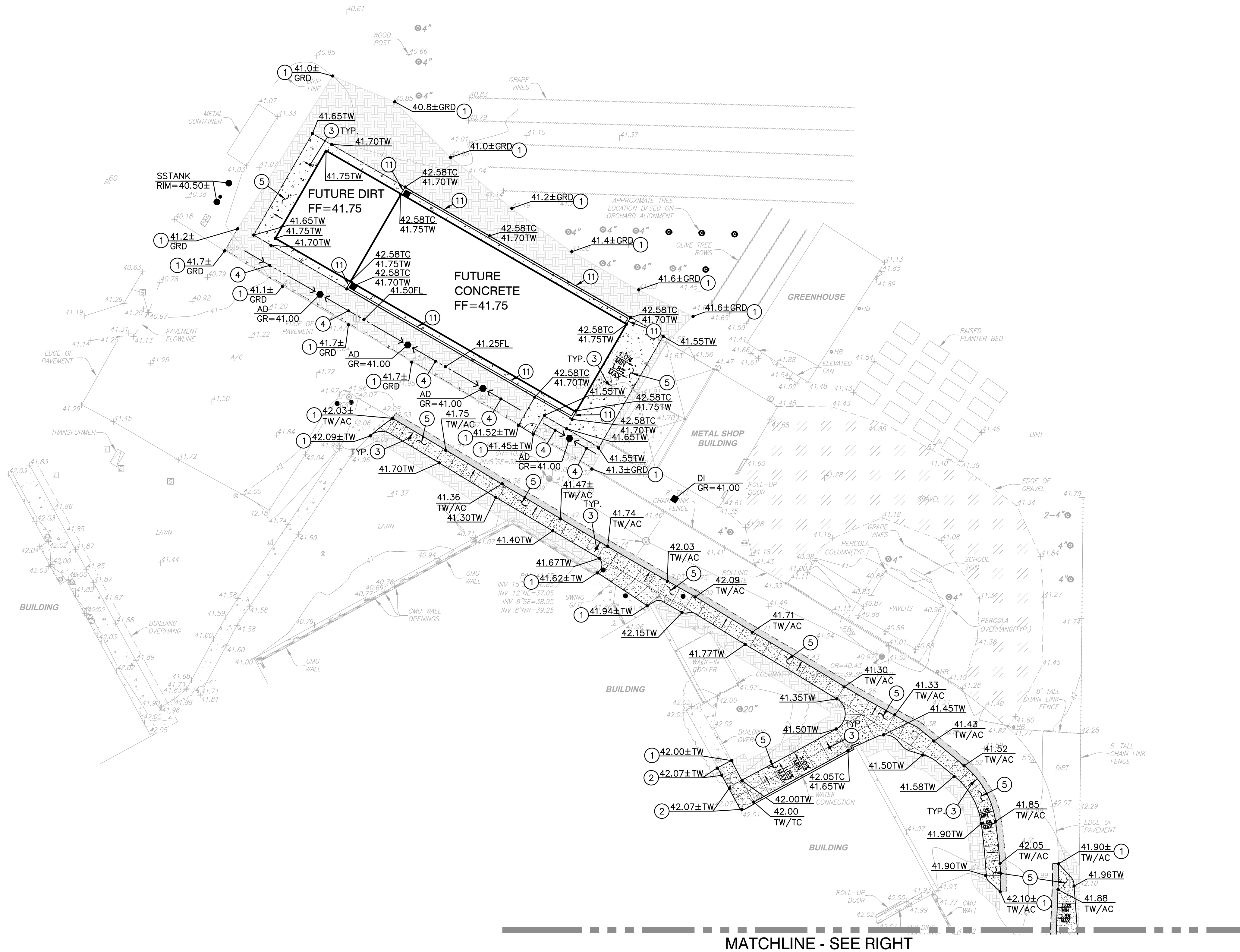
5.02 UNIT PRICES

Furnish unit prices for each of the named items on a square foot, lineal foot, or per each basis, as applies. Unit prices shall include all labor, materials, services, profit, overhead, insurance, bonds, taxes, and all other incidental costs of Contractor, subcontractors, and supplier(s).

N/A

END OF DOCUMENT

FILE LOCATION: C:\Users\binhoff\Documents\BM23381_01_LUSD_Tokay HS Ag Area Site Improvements_A24 v2_binhoffC2K8V.rvt DATE PLOTTED: 13/2024 2:53:45 PM



PAVING GENERAL NOTES:

- ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
- PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
- SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
- 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
- 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.

GRADING NOTES

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

- MATCH EXISTING GRADE/ELEVATION.
- MATCH EXISTING FINISH FLOOR GRADE/ELEVATION.
- GRADE UNIFORMLY.
- CONSTRUCT SWALE.
- CONSTRUCT SIDEWALK PER

1
C5.1
- CONSTRUCT CONCRETE CURB PER

2
C5.1
- CONSTRUCT CONCRETE FLUSH CURB PER

3
C5.1
- CONSTRUCT TYPE 1 CURB RAMP PER

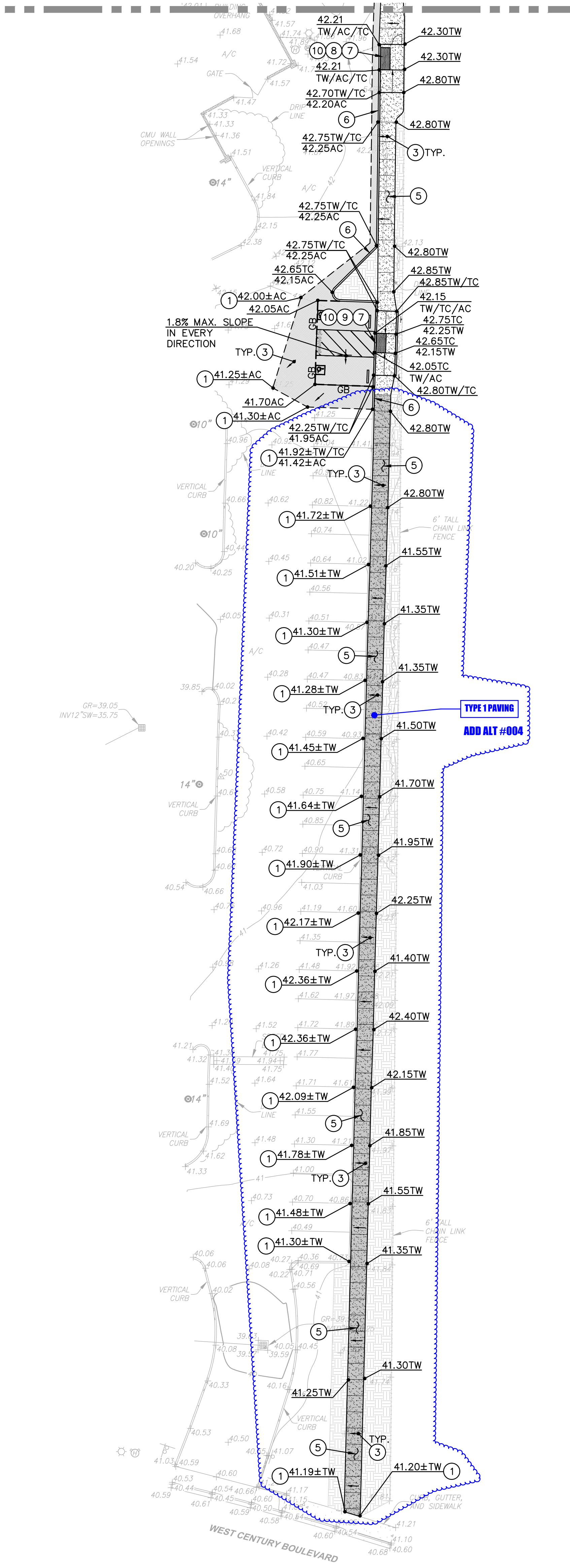
4
C5.1
- CONSTRUCT TYPE 2 CURB RAMP PER

5
C5.1
- CONSTRUCT TRUNCATED DOMES PER

6
C5.1
- CONSTRUCT VARIABLE HEIGHT CURB PER

11
C5.1

MATCHLINE - SEE LEFT



MATCHLINE - SEE RIGHT

AGENCY APPROVAL DSA # 02-122224

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122224 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 03/14/2024

196

1715 R STREET, SUITE 200
SACRAMENTO, CA 95811
TEL (916) 766-8178

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Warren Consulting Engineers, Inc
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El Dorado Hills, CA 95762
TEL (916) 985-1870

ELECTRICAL ENGINEER
The Engineering Enterprise
1125 High Street
Auburn, CA 95603
TEL (530) 886-8556

MECHANICAL ENGINEER
Weston and Associates
601 University Avenue, #260
Sacramento, CA 95825
TEL (916) 482-0820



PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION
1	09-05-2024	ADDENDUM #001

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PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT
1305 E VINE ST
LODI, CA 95240

TOKAY HIGH SCHOOL AG AREA SITE IMPROVEMENTS
1111 W CENTURY BLVD
LODI, CA 95240

SHEET TITLE

GRADING PLAN

DRAWN BY: GV JOB NUMBER: 23381.01

SHEET NO.

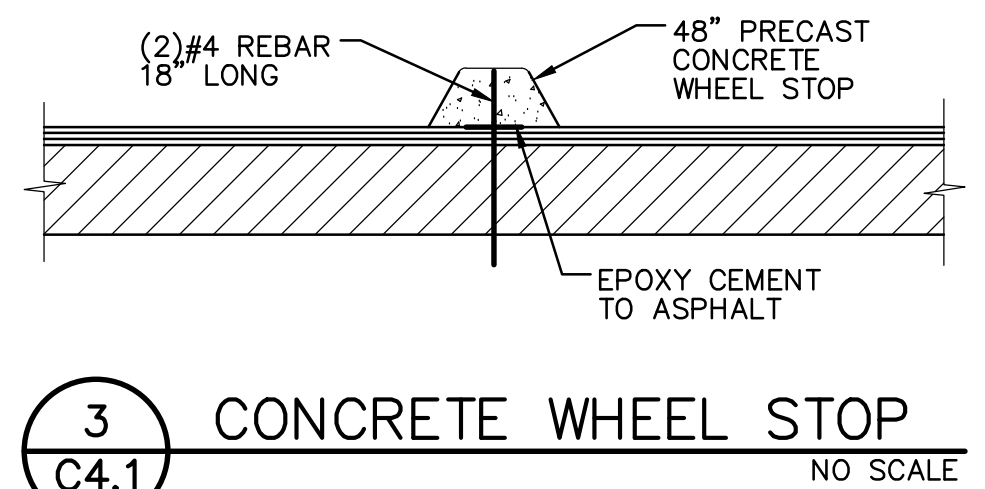
C2.1

DATE: FEBRUARY 22, 2024

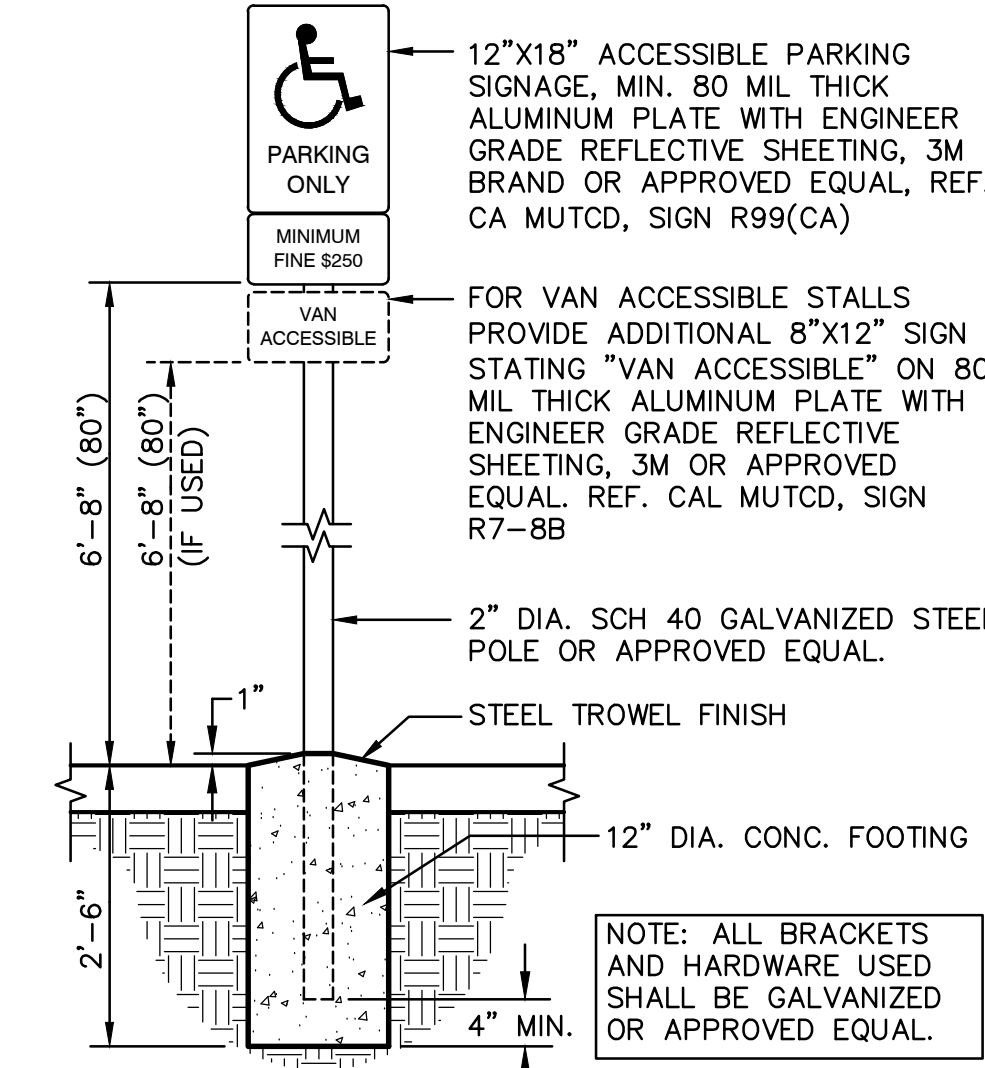
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CONSTRUCTION DOCUMENTS

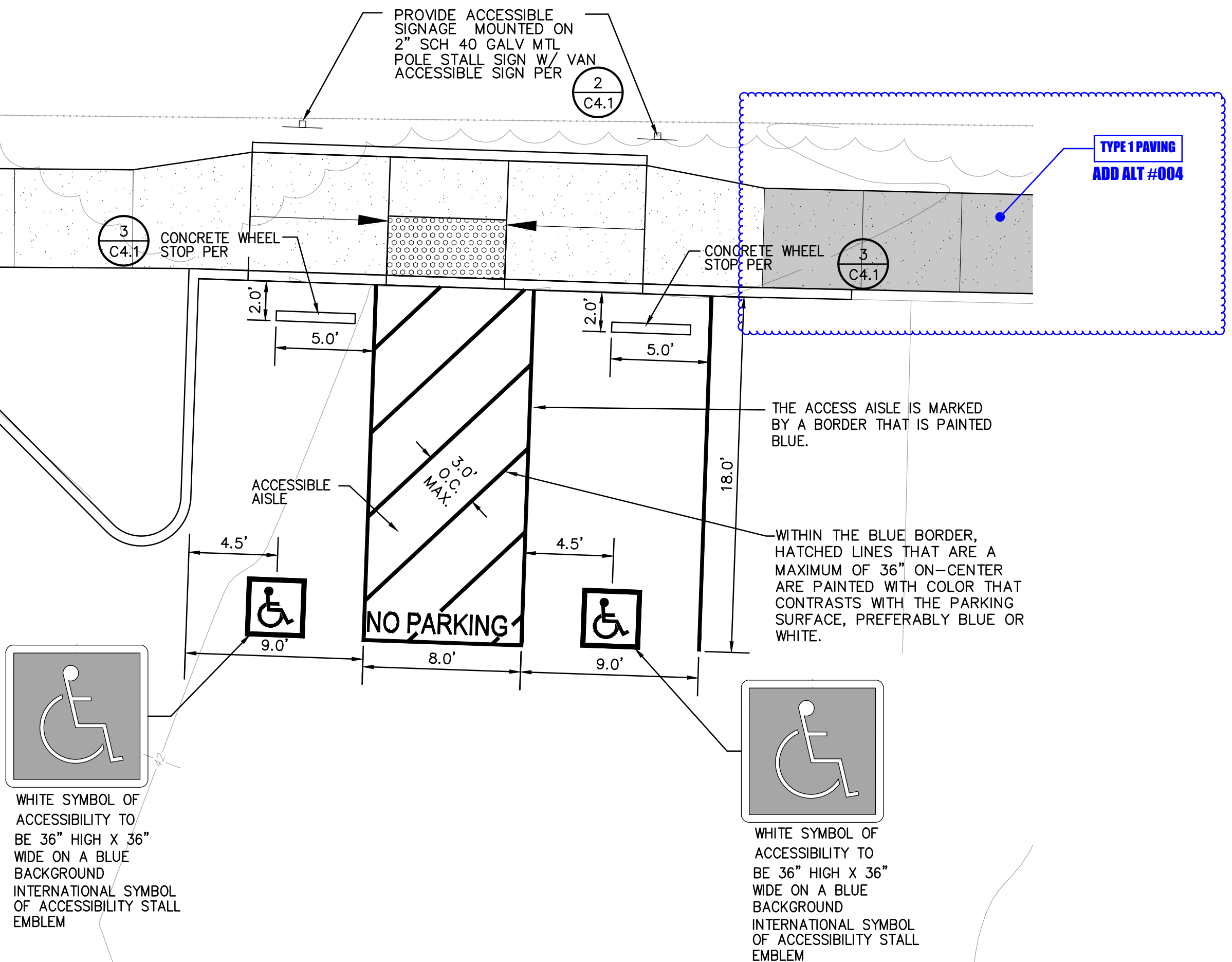
FILE LOCATION: C:\Users\binhoff\Documents\BM23381_01_LUSD_Tokay HS Ag Area Site Improvements_A24_v2_binhoffC2K6V.rvt
DATE PLOTTED: 13/2024 2:53:45 PM



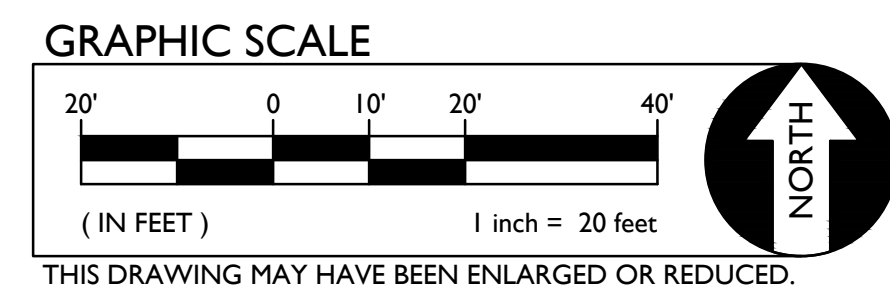
3 CONCRETE WHEEL STOP
C4.1 NO SCALE



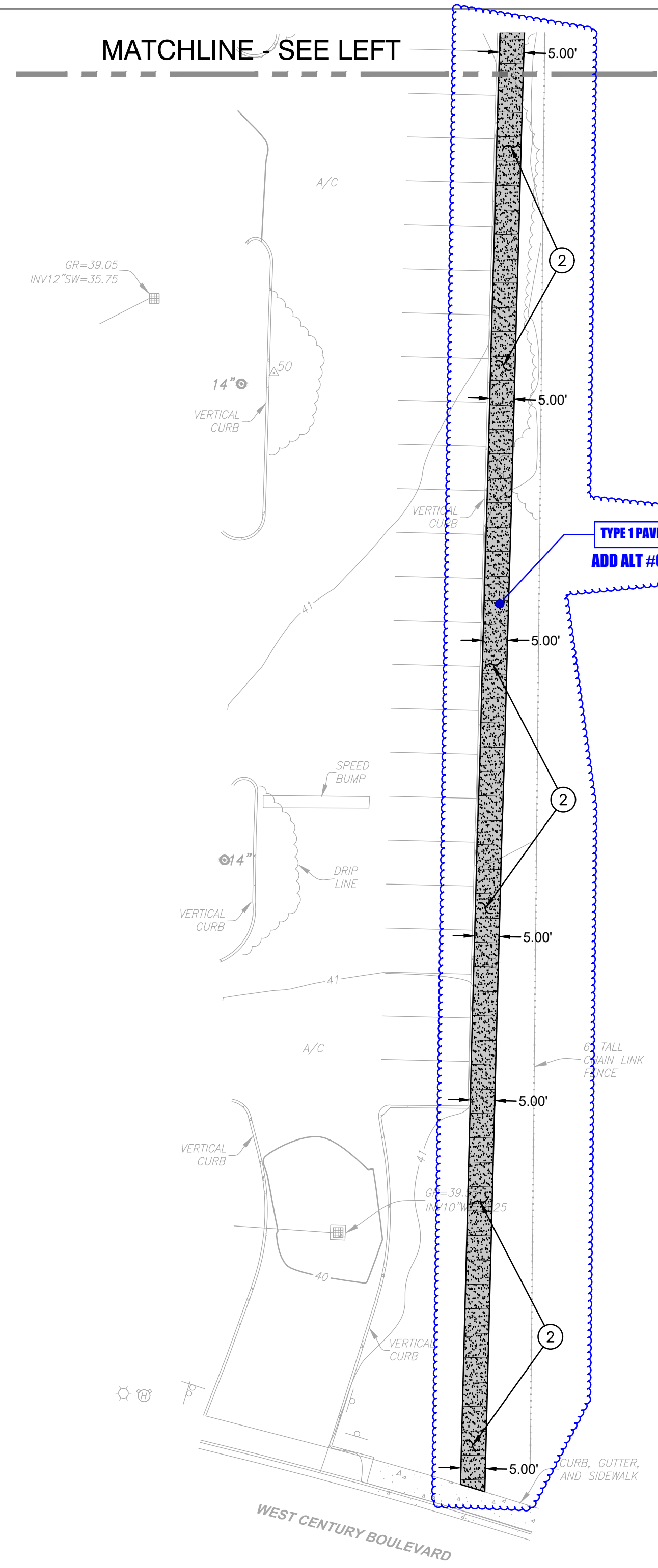
2 PARKING SIGNAGE
C4.1 ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE



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



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



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PAVING LEGEND

- TYPE 1 PAVING**
PLACE 3" AC OVER 12" CLASS II AB ON COMPACTED SUBGRADE. PLACE TWO (2) APPLICATIONS OF SEAL COAT.
- TYPE 2 PAVING**
PLACE 5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 4" CLASS II AB ON COMPACTED SUBGRADE.
- TYPE 3 PAVING**
PLACE 6" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 4" CLASS II AB ON COMPACTED SUBGRADE.

STRIPING NOTES

- PROVIDE ACCESSIBLE PARKING STRIPING PER C4.1, C4.1, C4.1

AGENCY APPROVAL
DIV. OF THE STATE ARCHITECT
APP: 02-122224 INC.
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 03/14/2024

196
1715 R STREET, SUITE 200
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PROFESSIONAL STAMP
ANTHONY J. TABSANO
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA
NO. 50862

REVISIONS
NO. DATE DESCRIPTION
1 09-05-2024 ADDENDUM #001

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PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL DISTRICT
1305 E VINE ST
LODI, CA 95240

TOYAK HIGH SCHOOL
AG AREA SITE IMPROVEMENTS
1111 W CENTURY BLVD
LODI, CA 95240

SHEET TITLE
PAVING AND STRIPING PLAN

DRAWN BY: GV JOB NUMBER: 23381.01

SHEET NO.
C4.1

DATE: FEBRUARY 22, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: FILE LOCATION:

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-1000-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-c2106.pdf>. THIS PROCEDURE ADDRESSES REQUIRED EXCAVATION, SITE PREPARATION, INSTALLATION, VENTILATION, AND WATER/VACUUM TESTING

BILL OF MATERIALS

ITEM	QTY	PART NUMBER	DESCRIPTION	WEIGHT (LBS)
1	1	200017789	Tank JP 1000 Gallon 4 Inch Assembly EE Single Baffle	11657
2	1	200048620	200017818 Plumbing - JP 1000 4 Inch Septic 24"E, 24"E Single Baffle	6
3	JOB SPECIFIC	100005850	CI RINGCOVER 24DIA B-5105-02B-5105-R2 ASTM A48 CL35B CP O-RING GASKET OSI JENSENINTERCEPT	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

ISO LAYOUT

SECTION

STRUCTURE SHALL BE CONSTRUCTED AT A PCI CERTIFIED PRECAST PLANT. IN PLAN DIMENSION SHALL BE GREATER THAN 16 FEET.

LID SHALL INDICATE STRUCTURE IS HS20-44 RATED

MODEL: JP-1000-EE-ST

REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	DRAWING CREATED	1/31/2019	J HILLMAN
B	TOP SLAB LIFTING AND PLUMBING UPDATED	2/2/2021	C Keller
C	ACCESSORIES UPDATED	6/27/2022	E FINE

DESCRIPTION:

Tank JP 1000 Gallon 4 Inch Layout Septic 24"E, 24"E Single Baffle

REV: C-3

LAYOUT REVIEW

PART NUMBER:	200017818	DRAWN BY:	E Fine
CREATED:	1/31/2019	MODIFIED:	2/15/2023

SHEET: 1 OF 2

BURY DEPTH:

1.1' - 6.0' to Top

WATER LEVEL:

Below Structure

DESIGN SPEC:

ASTM C890, ACI 318

REINFORCEMENT TYPE:

WEIGHT:

13618.86 Lbs

LOADING SPEC:

A-16 (AASHTO HS20-44)

LIFTING TYPE:

JENSEN PRECAST

EST. 1968

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PLAN VIEW

CROSS SECTION

STRUCTURE SHALL BE CONSTRUCTED AT A PCI CERTIFIED PRECAST PLANT. IN PLAN DIMENSION SHALL BE GREATER THAN 16 FEET.

LID SHALL INDICATE STRUCTURE IS HS20-44 RATED

96"

64"

13" MIN TO 72" MAX

72"

59" INLET INVERT

57" OUTLET INVERT

REVISIONS			
NO.	DATE	DESCRIPTION	
1	09-05-2024	ADDENDUM #001	
-			

DESCRIPTION:

Tank JP 1000 Gallon 4 Inch Layout Septic 24"E, 24"E Single Baffle

REV: C-3

LAYOUT DRAWING

PART NUMBER:	200017818	DRAWN BY:	E Fine
CREATED:	1/31/2019	MODIFIED:	2/15/2023

SHEET: 2 OF 2

BURY DEPTH:

1.1' - 6.0' to Top

WATER LEVEL:

Below Structure

DESIGN SPEC:

ASTM C890, ACI 318

REINFORCEMENT TYPE:

WEIGHT:

13618.86 Lbs

LOADING SPEC:

A-16 (AASHTO HS20-44)

LIFTING TYPE:

JENSEN PRECAST

EST. 1968

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1 C5.2

SEPTIC TANK

NO SCALE

AGENCY APPROVAL

DSA #

02-122224

19-H4

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 02-122224 INC.

REVIEWED FOR

SS ☐ FLS ☐ ACS ☒

DATE: 03/14/2024

19.6

1715 R STREET, SUITE 200

SACRAMENTO, CA 95811

TEL (916) 766-8178

CONSULTANTS

PROFESSIONAL STAMP

WC

WARREN CONSULTING ENGINEERS, INC.

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EL DORADO HILLS, CA 95762 (916) 965-1870

ANTHONY J. TASSANO

REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
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-		

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PROJECT OWNER & TITLE

SHEET TITLE

DETAILS

DRAWN BY:

JOB NUMBER:

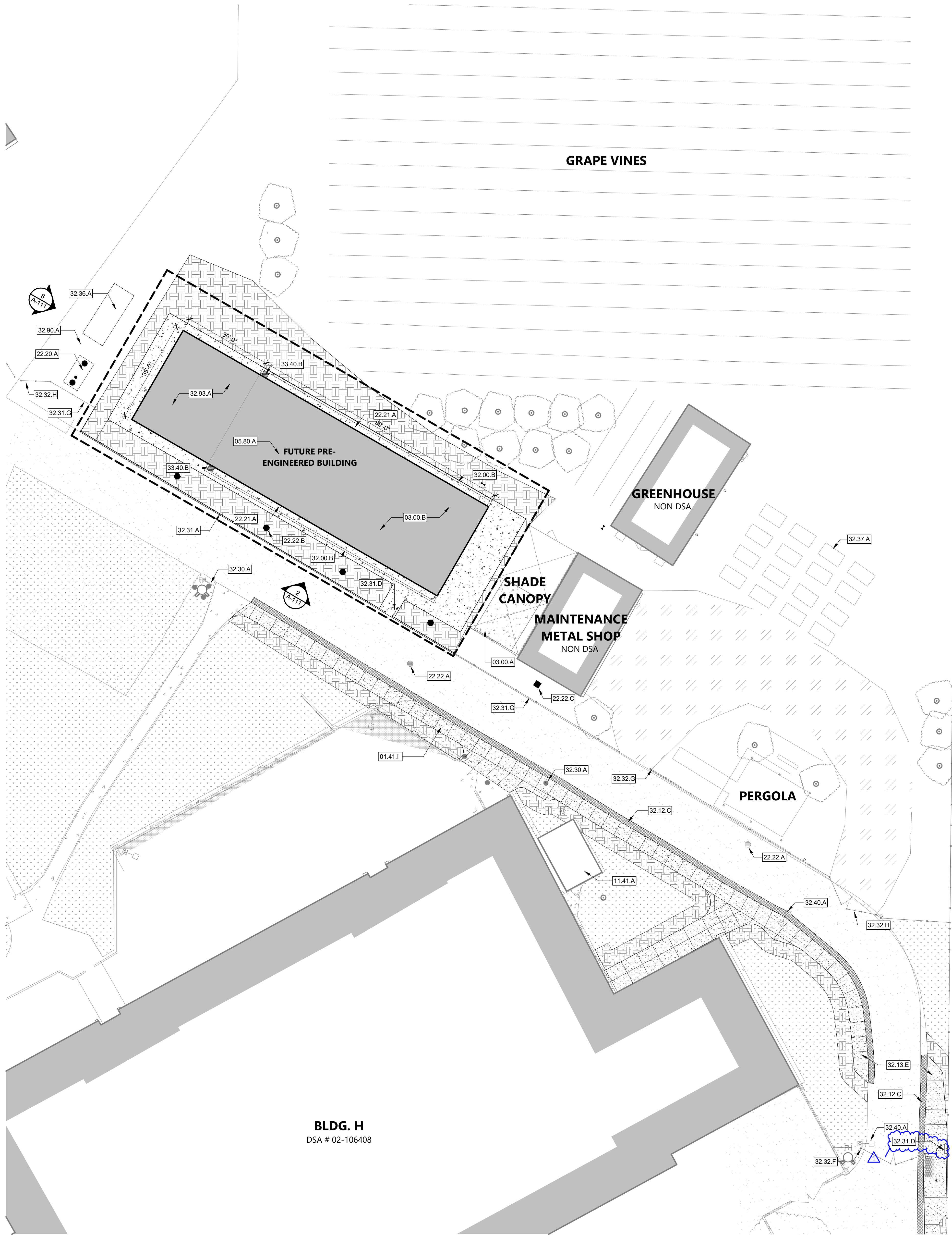
SHEET NO.

ADD ALT #002

C5.2

DATE:

FILENAME: I:\23-185\CIVIL\DWG\23-185 - C5.1.DWG



ENLARGED SITE PLAN

$$1/16'' = 1'-0''$$

1

KEYNOTES

01.41.1	(N) ACCESSIBLE P.O.T FROM STREET TO ENTRY. SCD
03.00.A	(E) CONCRETE PAD
03.00.B	(N) FUTURE CONC. PAD BY DESIGN-BUILD GC
05.00.0	120' x 35' PRE-FABRICATED BUILDING. NOT A PART OF THIS APPROVAL. STRUCTURE MUST BE SUBMITTED TO DSA UNDER A FUTURE APPLICATION
11.41.A	(E) WALK IN COOLER
22.20.A	(N) SPETIC TANK. SCD
22.21.A	(N) TROUGH DRAIN TO SEPTIC TANK. SCD
22.22.A	(E) STORM DRAIN
22.22.B	(N) AREA DRAIN
22.22.C	(N) DROP INLET
32.00.B	(N) 8" CONCRETE CURB
32.12.C	(N) ASPHALT PATCH. SCD
32.13.E	(N) CONCRETE SIDEWALK. SCD
32.30.A	(E) PERMANENT PIPE BOLLARD
32.31.A	(N) 8'-0" TALL CHAIN LINK FENCE
32.31.D	(N) SINGLE 3'-6" WIDE CHAIN LINK GATE WITH PANIC HARDWARE. SEE 3A.11-1
32.31.G	(E) 8'-0" TALL CHAIN LINK FENCE
32.32.F	(E) 20' WIDE SWING GATE WITH KNOX BOX
32.32.G	(E) ROLLING GATE
32.32.H	(E) DOUBLE GATE
32.36.A	(E) METAL CONTAINER TO BE RELOCATED BY DISTRICT
32.37.A	(E) RAISED BEDS
32.40.A	(E) SINGLE FIXTURE LIGHT STANDARD
32.90.A	(E) DECOMPOSED GRANITE
32.93.A	FUTURE DIRT SHOWING ARENA.
32.40.B	(N) STAINLESS STEEL GRATE

LEGEND - SITE PLAN

	ASSUMED PROPERTY LINE
	LIMITS OF WORK
	FUTURE PRE-ENGINEERED BUILDING (DESIGN-BUILD BY GC)
	(N) CONCRETE PAVING
	EXPANSION JOINT PER
	CONTROL JOINT PER
	(E) ASPHALT PAVING
	(E) BUILDING
	(E) LANDSCAPING
	(E) DIRT
	(E) FENCE LINE
	(E) FIRE HYDRANT
	(E) FIRE DEPARTMENT CONNECTION
	(E) TREE

AGENCY APPROVAL DSA # 02-122224
39-H4

196
ARCHITECTS

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PROFESSIONAL STAMP



REVISIONS

[illegible]

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1111 W CENTURY BLVD
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SHEET TITLE

ENLARGED SITE PLAN

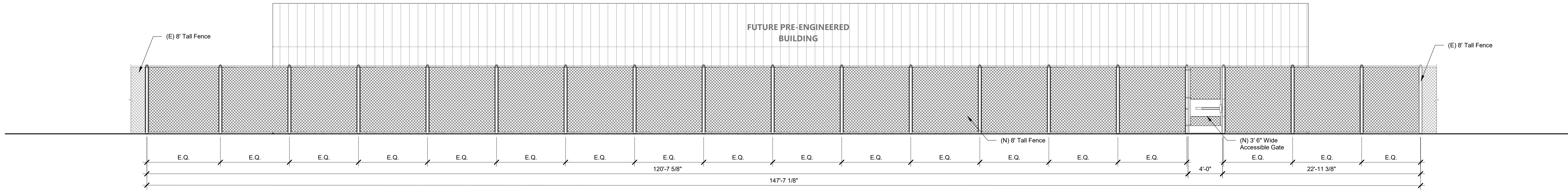
DRAWN BY: BI JOB NUMBER: 23381 01

SHEET NO.

A-102

DATE: FEBRUARY 22, 2024

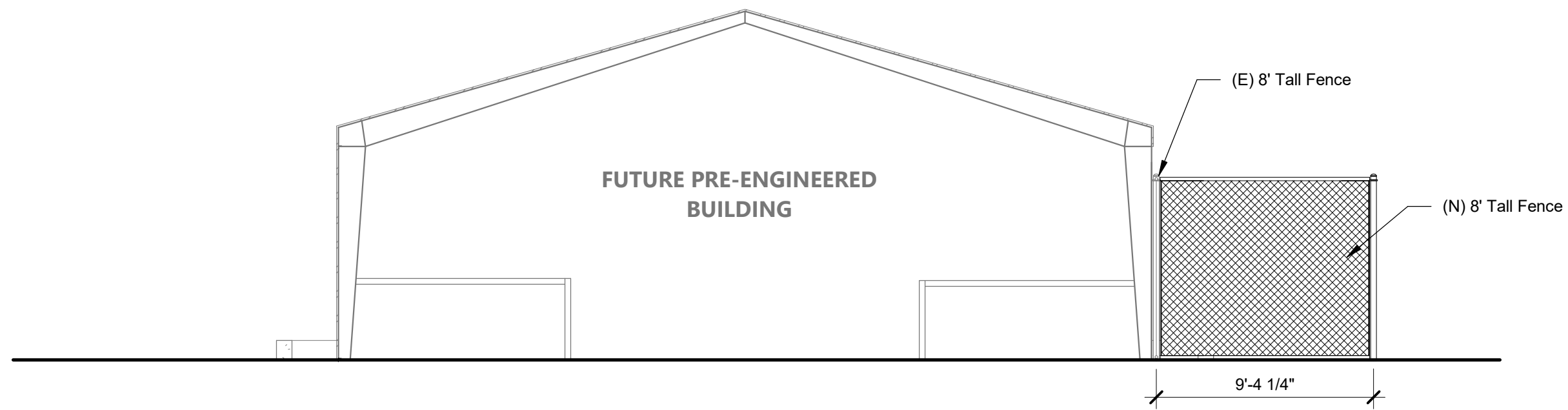
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CHAIN LINK FENCE - SOUTH ELEVATION

3/16" = 1'-0"

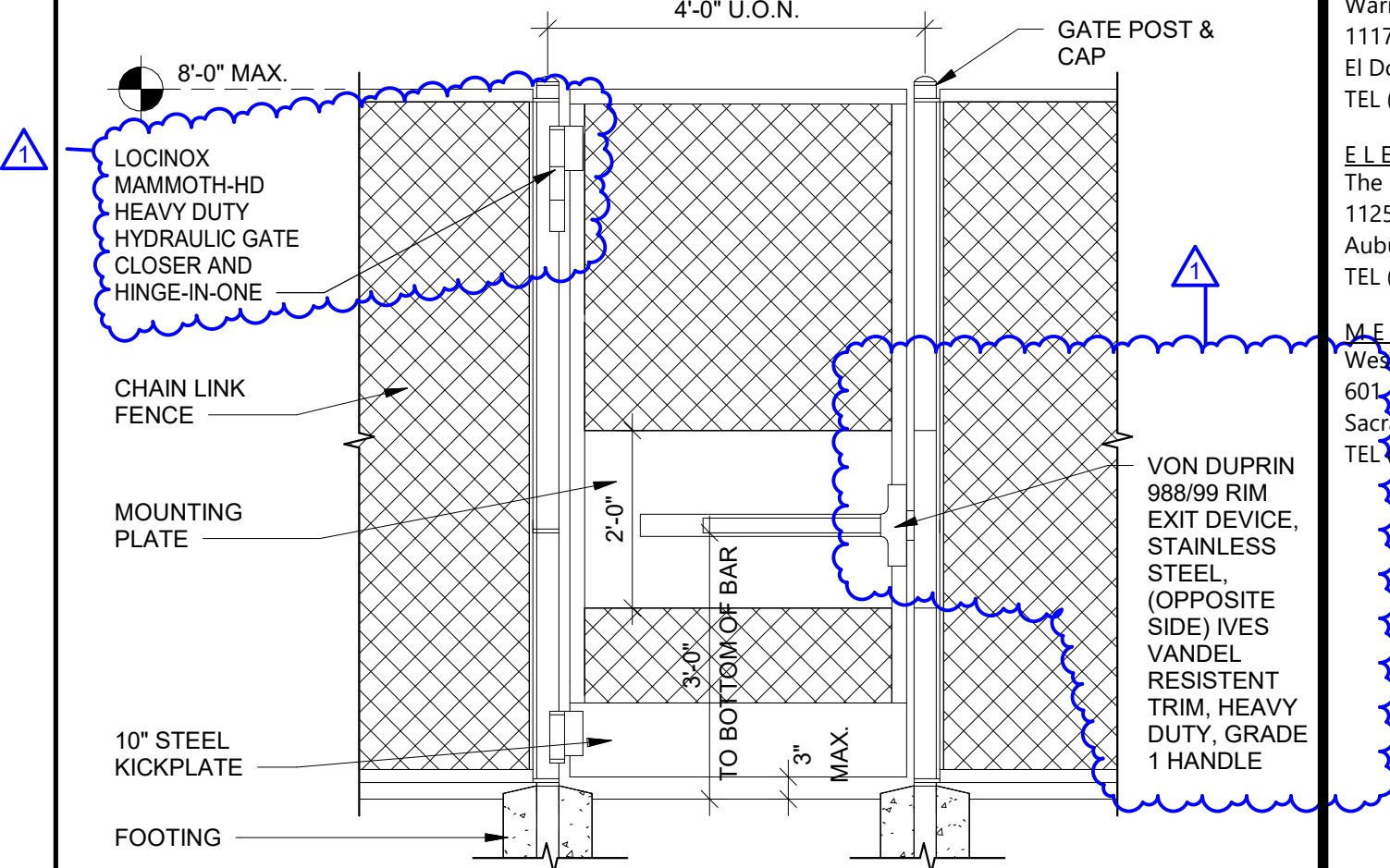
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CHAIN LINK FENCE - WEST ELEVATION

3/16" = 1'-0"

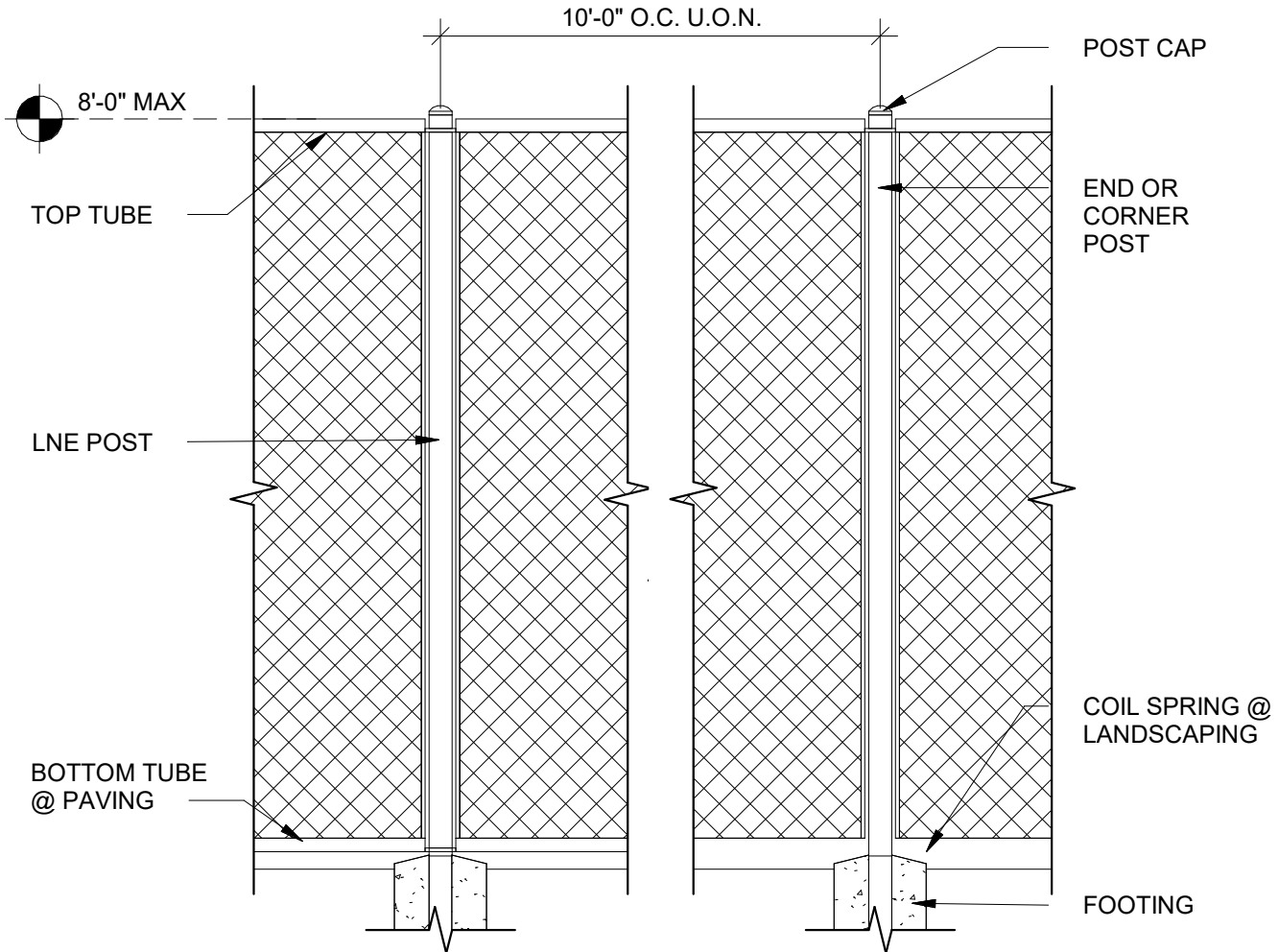
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ACCESSIBLE GATE

1/2" = 1'-0"

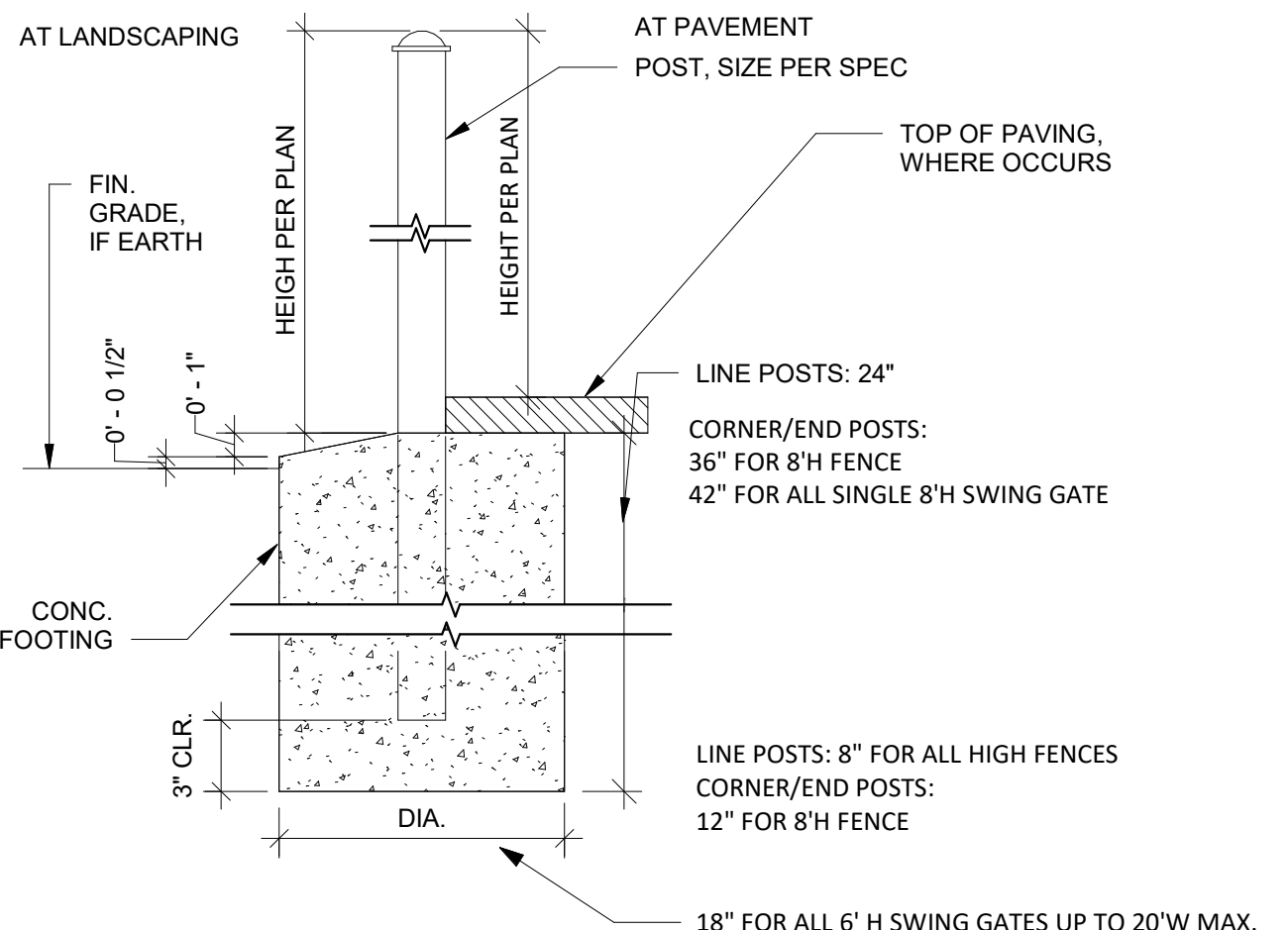
3



TYPICAL CHAIN LINK FENCE

1/2" = 1'-0"

4



POST FOOTINGS

1 1/2" = 1'-0"

5

AGENCY APPROVAL DSA # 02-122224 39-H4



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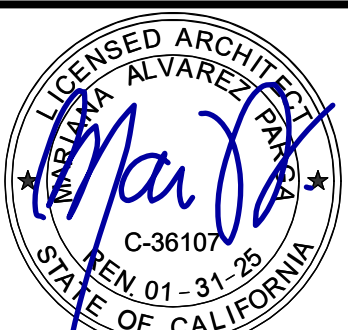
CONSULTANTS

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TEL (916) 985-1870

ELECTRICAL ENGINEER
The Engineering Enterprise
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TEL (530) 886-8556

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PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION
1	09-05-2024	ADDENDUM #001

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PROJECT OWNER & TITLE

LODI UNIFIED SCHOOL DISTRICT

1305 E VINE ST
LODI, CA 95240

AG AREA SITE IMPROVEMENTS
1111 W CENTURY BLVD
LODI, CA 95240

SHEET TITLE

SITE ELEVATIONS AND DETAILS

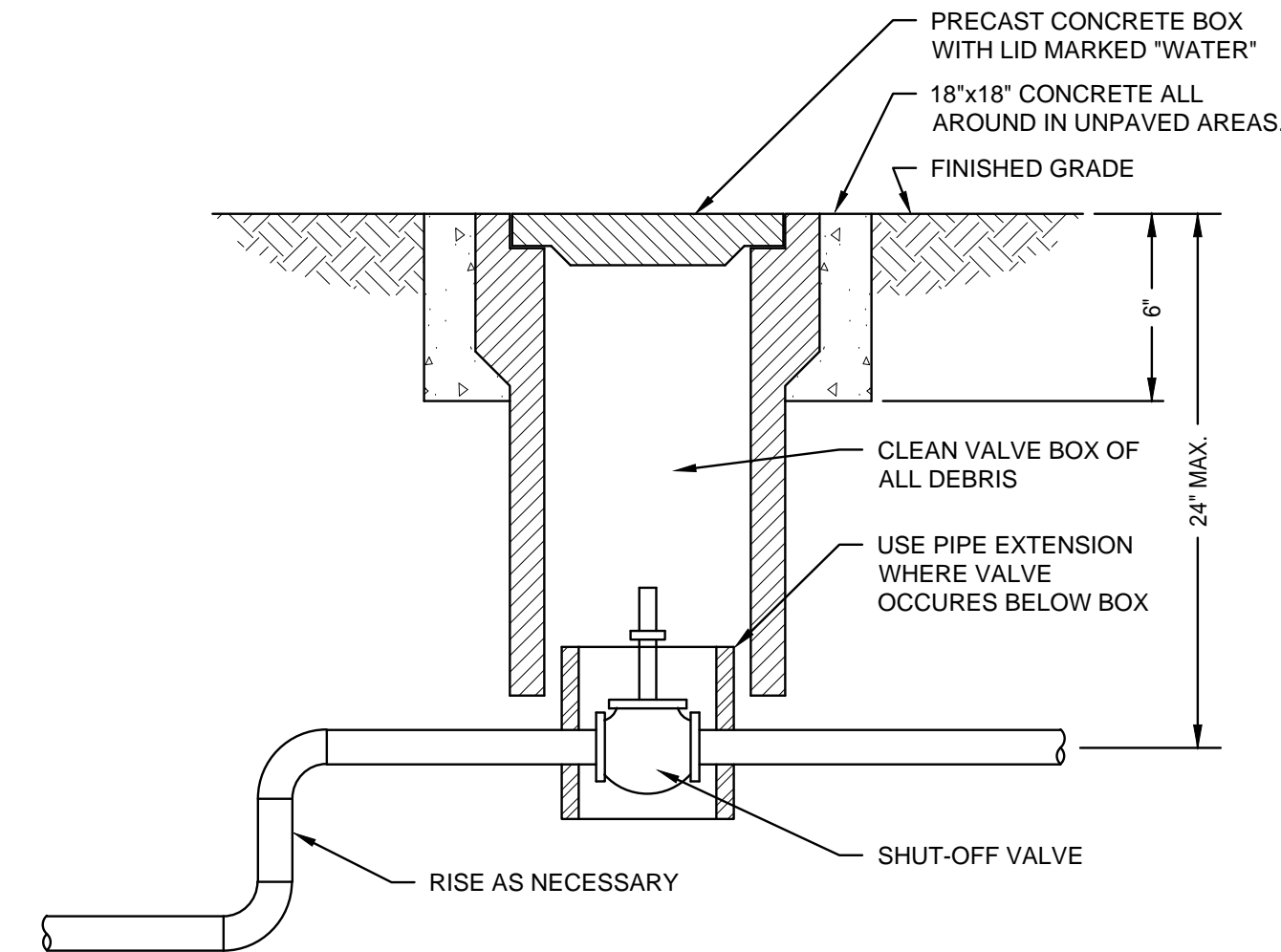
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SHEET NO.

A-111
DATE: FEBRUARY 22, 2024

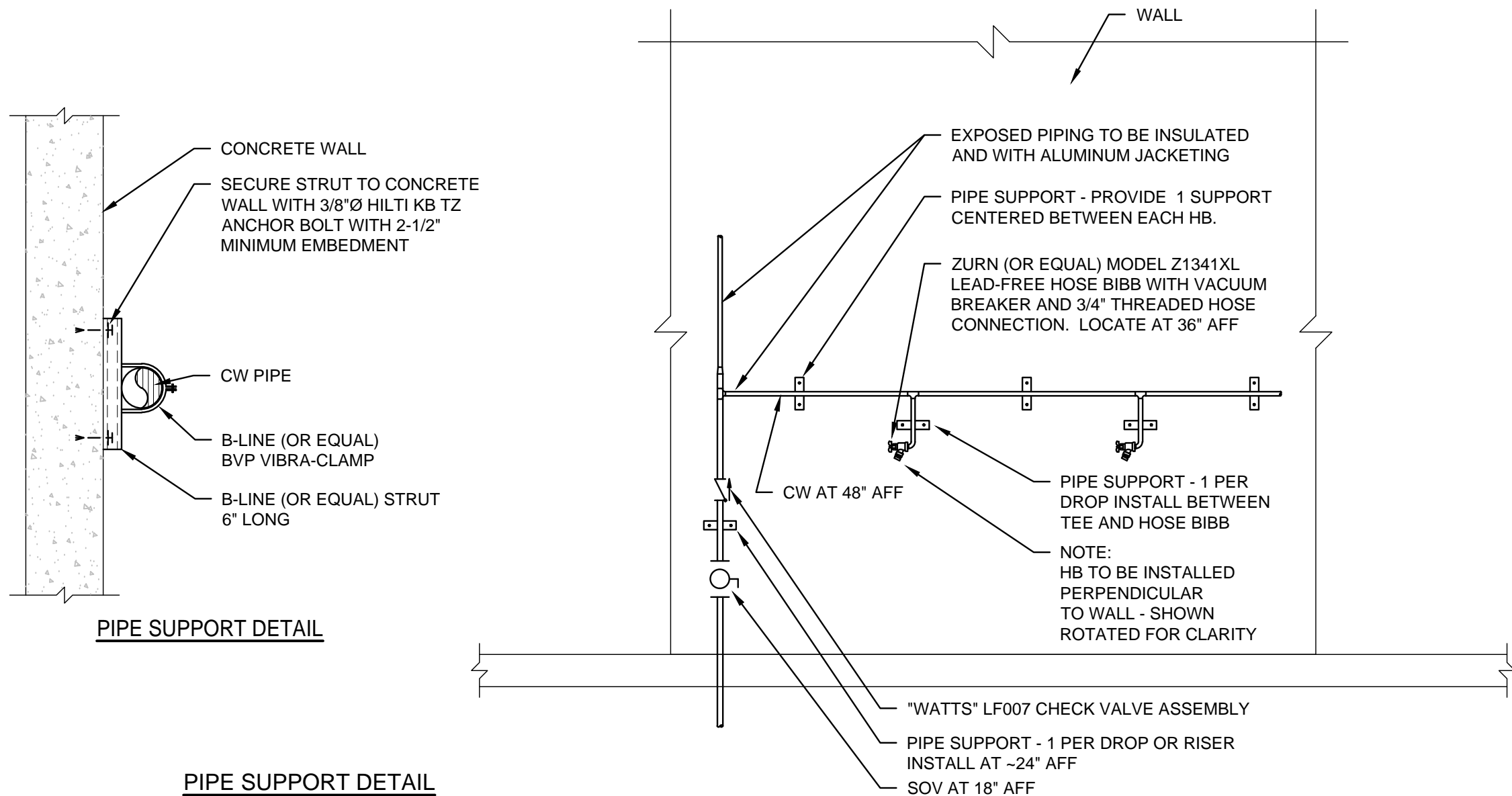
FILE LOCATION:

DATE PLOTTED:



SHUT-OFF VALVE IN BOX DETAIL

3
MP-001

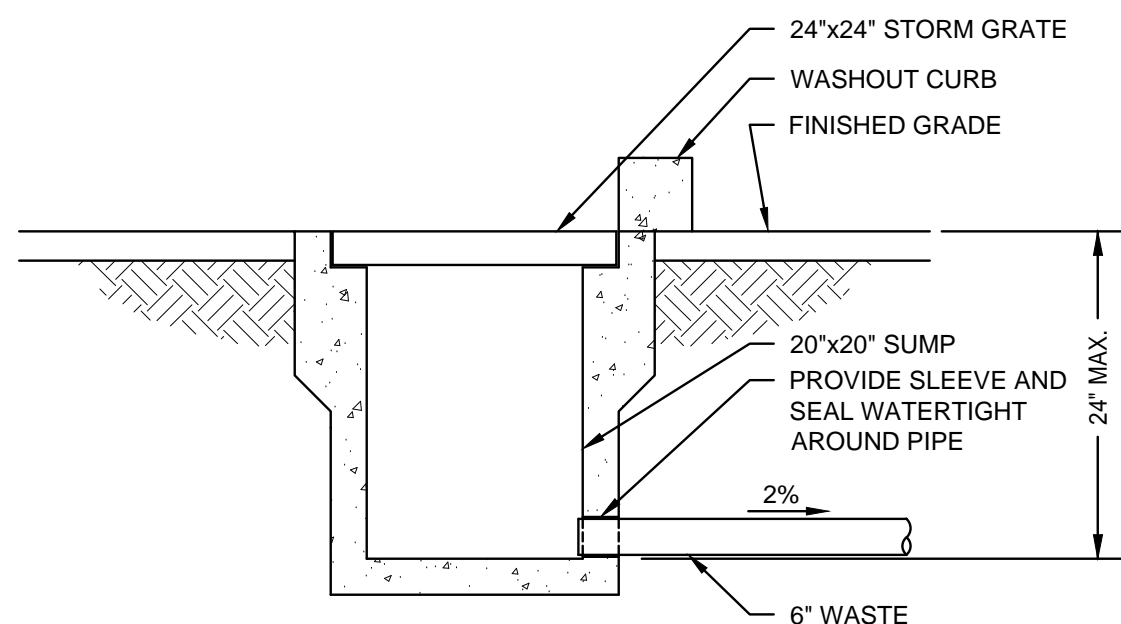


PIPE SUPPORT DETAIL

2
MP-001

PLUMBING - PIPING AT WALL DETAIL

NTS



WASHOUT SUMP PIT DETAIL

1
MP-001

NTS

ANCHORAGE / BRACING NOTES

ALL MECHANICAL AND PLUMBING COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONTRACT DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTION 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10, CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS, OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

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

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING AND DUCTWORK SYSTEM BRACING NOTE:

PIPING AND DUCTWORK SHALL BE BRACED TO COMPLY THE FORCE AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, AND 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25, AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENT TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEM. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD),

MP _ MD - OPTION 1:
DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTED AND DETAILS.

MP _ MD - OPTION 2:
SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#), MASON OPM-052-13 SEISMIC RESTRAINT SYSTEMS GUIDELINE.

MP _ MD - OPTION 3:
SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAIL. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL, AND CONNECTION LEVEL ____ FOR THE PROJECT AND CONDITIONS.

MECHANICAL/PLUMBING NOTES

- MECHANICAL/PLUMBING DETAILS APPLY TO ALL BUILDINGS WHETHER REFERENCED OR NOT.
- DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY OFFSET, FITTING, OR STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF WORK. THE CONTRACTORS SHALL COORDINATE LOCATION OF ALL DUCTWORK AND PIPING WITH ALL OTHER TRADES ON THIS PROJECT. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE THE APPROVAL OF THE ARCHITECT BEFORE BEING INSTALLED.
- ALL VALVES SHALL BE FULL LINE SIZES UNLESS NOTED OTHERWISE.
- REFERENCE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS, EXACT LOCATIONS OF DIFFUSERS, GRILLES, AND MOUNTING HEIGHTS.
- PIPING SHALL BE SUPPORTED IN ACCORDANCE TO SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL AND PLUMBING PIPING SYSTEMS".

APPLICABLE CODES

ALL WORK PERFORMED UNDER THIS CONTRACT IS TO CONFIRM TO THE FOLLOWING CODES AND REGULATIONS:

- CALIFORNIA CODE OF REGULATIONS - TITLE 24
- CALIFORNIA BUILDING CODE, 2022
- CALIFORNIA MECHANICAL/PLUMBING CODE, 2022
- CALIFORNIA PLUMBING CODE, 2022
- CALIFORNIA FIRE CODE, 2022
- CALIFORNIA ELECTRICAL CODE, 2022
- CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS, 2022

THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IF FORCE ON THE DATE OF THE CONTRACT, UNLESS OTHERWISE STATED. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

MECHANICAL/PLUMBING LEGEND

ABBREVIATIONS

ABC	ABOVE FINISHED CEILING	FLA	FULL LOAD AMPS	PC	PUMPED CONDENSATE
AC	AIR CONDITIONING	FLR	FLOOR	PD	PRESSURE DROP
ACU	AIR CONDITIONING UNIT	FLM	FEET PER MINUTE	PF	PRE FILTER
AD	ACCESS DOOR	FS	FLOW SWITCH	PH	PHASE
AFF	ABOVE FINISHED FLOOR	FSD	FIRE SMOKE DAMPER	PLBG	PLUMBING
AFC	ABOVE FINISHED CEILING	FT	FEET	POC	POINT OF CONNECTION
AHU	AIR HANDLING UNIT	GA	GAUGE	POD	POINT OF DISCONNECTION
AP	ACCESS PANEL	GC	GENERAL CONTRACTOR	PRV	PRESSURE REDUCING VALVE
APD	AIR PRESSURE DROP	GALV	GALVANIZED	PS	PRESSURE SWITCH
AVV	AUTOMATIC AIR VENT	GSM	GALVANIZED SHEET METAL	PSI	POUNDS PER SQUARE INCH
ARCH	ARCHITECT	GPH	GALLONS PER HOUR	PSIG	POUNDS PER SQUARE INCH GAUGE
BAS	BUILDING AUTOMATION SYSTEM	GPM	GALLONS PER MINUTE	R	RISER
BDD	BACK DRAFT DAMPER	GV	GATE VALVE	RA	RETURN AIR
BF	BELOW FLOOR	HC	HEATING COIL	RAO	RETURN AIR DAMPER
BHP	BRAKE HORSEPOWER	HP	HORSEPOWER	RD	REFRIGERANT DISCHARGE
BOD	BOTTOM OF DUCT	HPR	HIGH PRESSURE CONDENSATE	RF	RELIEF FAN
BOP	BOTTOM OF PIPE	HR	HOUR	RH	RELATIVE HUMIDITY
BTU/H	BRITISH THERMAL UNIT PER HOUR	HPS	HIGH PRESSURE STEAM, ABOVE 60 PSIG	RHC	REHEAT COIL
BV	BUTTERFLY VALVE	HRP	HEAT RECOVERY PUMP	RL	REFRIGERANT LIQUID
CA	COMPRESSED AIR	HRR	HEAT RECOVERY RETURN	RLA	RUNNING LOAD AMPS
CAP	CAPACITY	HRS	HEAT RECOVERY SUPPLY	RM	ROOM
CAV	CONSTANT AIR VOLUME	HVAC	HEATING VENTILATING & AIR CONDITIONING	RPM	REVOLUTIONS PER MINUTE
CC	CENTER TO CENTER	HWP	HEATING WATER PUMP	RS	REFRIGERANT SUCTION
CD	CONDENSATE DRAIN	HWR	HEATING WATER RETURN	RTS	REFER TO SPECIFICATIONS
CEF	CEILING EXHAUST FAN	HWS	HEATING WATER SUPPLY	SA	SUPPLY AIR
CFM	CUBIC FEET PER MINUTE	HXR	HEAT EXCHANGER	SCD	SECONDARY CONDENSATE DRAIN
CHWP	CHILLED WATER PUMP	ID	INSIDE DIAMETER	SCH	SCHEDULE
CHWR	CHILLED WATER RETURN	IN WC	INCHES OF WATER COLUMN	SCR	STEAM CONDENSATE RETURN
CHWS	CHILLED WATER SUPPLY	KW	KILOWATTS	SF	SUPPLY FAN
CO2	CARBON DIOXIDE	KWH	KILOWATT HOUR	SHT	SHEET
CU	CONDENSING UNIT	LAT	LEAVING AIR TEMPERATURE	SHWP	SECONDARY HEATING WATER PUMP
CV	CONTROL VALVE	LBS	POUNDS	SM	SHEET METAL
CWP	CONDENSING WATER PUMP	LDB	LEAVING DRY BULB	SMS	SHEET METAL SCREW
CWR	CONDENSING WATER RETURN	LWB	LEAVING WET BULB	SP	STATIC PRESSURE
CWS	CONDENSING WATER SUPPLY	LP	LOW PRESSURE	SPD	STATIC PRESSURE DROP
D	DROP	LWT	LEAVING WATER TEMPERATURES	SQFT	SQUARE FEET
DB	DRY BULB TEMPERATURE	LRA	LOCKED ROTOR AMPS	SQIN	SQUARE INCHES
DET	DETAIL	MAV	MANUAL AIR VENT	SS	STAINLESS STEEL
DIA	DIAMETER	MAX	MAXIMUM	TA	TO ABOVE
DIS	DEIONIZED (PURE) STEAM	MBH	1,000 BRITISH THERMAL UNITS PER HOUR	TB	TO BELOW
DN	DOWN	MC	MECHANICAL/PLUMBING CONTRACTOR	TCV	TEMPERATURE CONTROL VALVE
DSO	DUCT SMOKE DETECTOR	MCC	MOTOR CONTROL CENTER	TG	TRANSFER GRILLE
DTR	DUCT THRU ROOF	MD	MANUEL DAMPER	TH	THERMOMETER
DWG	DRAWING	MFR	MANUFACTURER	TSP	TOTAL STATIC PRESSURE
(E)	EXISTING	MIN	MINIMUM	TSTAT	THERMOSTAT
(ER)	EXISTING RELOCATED	MISC	MISCELLANEOUS	TYP	TYPICAL
EA	EXHAUST AIR	(N)	NEW	UON	UNLESS OTHERWISE NOTED
EAD	EXHAUST AIR DAMPER	NC	NORMALLY CLOSED	UG	UNDER GROUND
EAT	ENTERING AIR TEMPERATURE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	UF	UNDER FLOOR
EF	EXHAUST FAN	NIC	NOT IN CONTRACT	V	VOLTS
ELEC	ELECTRICAL	NO	NORMALLY OPEN	VAV	VARIABLE AIR VOLUME
ESP	EXTERNAL STATIC PRESSURE	NTS	NOT TO SCALE	VCD	VOLUME CONTROL DAMPER
ET	EXPANSION TANK	OA	OUTSIDE AIR	VFD	VARIABLE FREQUENCY DRIVE
EW	ENTERING WATER TEMPERATURE	OAD	OUTSIDE AIR DAMPER	VLV	VALVE
*F	DEGREES FAHRENHEIT	OBD	OPPOSED BLADE DAMPER	WB	WET BULB
FA	FROM ABOVE	OC	ON CENTER	WPD	WATER PRESSURE DROP
FB	FROM BELOW			WMS	WIRE MESH SCREEN
FC	FLEXIBLE CONNECTION			W/	WITH
FCU	FAN COIL UNIT			W/O	WITHOUT
FD	FIRE DAMPER			WT	WEIGHT
FF	FINAL FILTER			\$	ON/OFF SWITCH/STARTER

SYMBOLS

	FLOW IN DIRECTION OF ARROW		BALL VALVE
	REDUCER		BALANCE VALVE
	OUTSIDE AIR INTO LOUVER		BUTTERFLY VALVE
	RETURN OR EXHAUST AIR INTO REGISTER		CHECK VALVE
	SUPPLY AIR FROM REGISTER		LEVER HANDLE GAS COCK
	SUPPLY AIR GRILLE		PRESSURE REDUCING VALVE
	RETURN AIR GRILLE		SOLENOID VALVE W/ MOTOR ACTUATOR
	EXHAUST AIR GRILLE		STRAINER
	DOMESTIC COLD WATER LINE		PRESSURE GAUGE
	DOMESTIC HOT WATER		THERMOMETER
	DOMESTIC HOT WATER RETURN		UNION
	SOIL OR WASTE LINE BELOW GRADE		VALVE BOX
	SOIL OR WASTE LINE ABOVE GRADE		CAP (END OF PIPE)
	VENT LINE		CIRCULATING PUMP
	CONDENSATE DRAIN		ANGLE VALVE
	NATURAL GAS LINE (LOW PRESSURE)		PRESSURE OR TEMP. RELIEF VALVE
	MEDIUM PRESSURE NATURAL GAS LINE		DIAMETER
			ROOM THERMOSTAT
			POINT OF CONNECTION
			POINT OF DISCONNECTION
			ROOM NAME AND NUMBER

AGENCY APPROVAL DSA # 02-122224

DIV. OF THE STATE ARCHITECT

APP: 02-122224 INC:

REVIEWED FOR

SS ☐ FLS ☐ ACS ☒

DATE: 03/14/2024

19.6
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TEL (916) 462-0820

WESTON
& ASSOCIATES
MECHANICAL ENGINEERS
601 UNIVERSITY AVE, SUITE 260 | SACRAMENTO, CA 95825
WESTON & ASSOCIATES #23-081

PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION
1	09-05-2024	ADDENDUM #001
2		
3		
4		
5		
6		
7		
8		
9		
10		

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PROJECT OWNER & TITLE
LODI UNIFIED SCHOOL
DISRTICT
1305 E VINE ST
LODI, CA 95240

TOKAY HIGH SCHOOL
AG AREA SITE IMPROVEMENTS
1111 W CENTURY BLVD
LODI, CA 95240

SHEET TITLE

MECHANICAL / PLUMBING - LEGEND,
SCHEDULES, NOTES AND DETAILS

DRAWN BY: IS JOB NUMBER: 23381.01

SHEET NO.

ADD ALT #002

MP-001

DATE: FEBRUARY 22, 2024

CONSTRUCTION DOCUMENTS

AGENCY APPROVAL

DSA #

02-122224

30-144

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 02-122224 INC:

REVIEWED FOR

SS ☐ FLS ☐ ACS ☒

DATE: 03/14/2024

196

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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL

ELECTRICAL

SCOTT WHEELER

STATE OF CALIFORNIA

REVISIONS

NO.

DATE

DESCRIPTION

1

09-05-2024

ADDENDUM #001

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LODI UNIFIED SCHOOL DISTRICT

1305 E VINE ST

LODI, CA 95240

AG AREA SITE IMPROVEMENTS

1111 W CENTURY BLVD

LODI, CA 95240

SHEET TITLE

SYMBOLS AND SHEET INDEX

DRAWN BY: XX

JOB NUMBER: 23381.01

SHEET NO.

ADD ALT #001

E0.1

DATE: FEBRUARY 22, 2024

SYMBOLS LIST

POWER DISTRIBUTION	
	SWITCHGEAR, SWITCHBOARD, DISTRIBUTION BOARD, SUBSTATION OR MOTOR CONTROL CENTER, FLOOR MOUNTED ON CONCRETE HOUSEKEEPING PAD WHERE INDICATED ON DRAWINGS. DOUBLE LINE INDICATES FRONT FACE OF GEAR.
	DISTRIBUTION BOARD, SURFACE MOUNTED ON WALL.
	PANELBOARD, 277/480V, SURFACE MOUNTED ON WALL.
	PANELBOARD, 277/480V, FLUSH MOUNTED IN WALL.
	PANELBOARD, 120/208V, SURFACE MOUNTED ON WALL.
	PANELBOARD, 120/208V, FLUSH MOUNTED IN WALL.
	DRY-TYPE STEP-DOWN TRANSFORMER, FLOOR MOUNTED 480-120/208V 3Ø, UON. DOUBLE LINE INDICATES FRONT FACE OF TRANSFORMER.
	ELECTRIC MOTOR, NIEC. MAKE POWER CONNECTIONS ONLY AS NOTED ON PLANS.
	EXHAUST FAN MOTOR, SINGLE PHASE, NIEC. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED, FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER WITH INTEGRAL DISCONNECT ADJACENT TO FAN WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR.
	INDOOR FAN POWERED VAV BOX MOTOR, SINGLE PHASE, NIEC. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED, FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER WITH INTEGRAL DISCONNECT ADJACENT TO VAV BOX WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR.
	MOTOR OPERATED FIRE/SMOKE DAMPER 'FSD', NIEC. SYMBOL DENOTES INTERFACE FOR POWER CONNECTIONS WITH LOCAL DISCONNECT MEANS. ADJACENT NUMBER INDICATES QUANTITY OF ACTUATORS PER FSD, EACH REQUIRING A POWER CONNECTION, IF MORE THAN 1. FOR FIRE ALARM REQUIREMENTS AT FSD, REFER TO FIRE ALARM SYMBOLS.
	COMBINATION EXHAUST FAN AND DOWNLIGHT, CEILING MOUNTED. FAN AND LIGHT SHALL BE CONTROLLED SEPARATELY.
	PULLBOX OR HANDHOLE, SIZE AND TYPE AS NOTED ON PLANS.
	SAFETY DISCONNECT SWITCH, 3 POLE, UON. ADJACENT NUMBER INDICATES FUSE SIZE WHEN APPLICABLE. LABELING CONVENTION AS FOLLOWS: A: 3ØA, NON-FUSED B: 6ØA, NON-FUSED C: 10ØA, NON-FUSED D: 20ØA, NON-FUSED E: 40ØA, NON-FUSED F: 60ØA, NON-FUSED G: 80ØA, NON-FUSED AF: 3ØA, FUSED BF: 6ØA, FUSED CF: 10ØA, FUSED DF: 20ØA, FUSED EF: 40ØA, FUSED FF: 60ØA, FUSED GF: 80ØA, FUSED
	MAGNETIC MOTOR STARTER WITH INTEGRAL OVERCURRENT PROTECTION. ADJACENT NUMBER INDICATES NEMA SIZE OF STARTER. "HANDLE" DENOTES INTEGRAL DISCONNECT.
	VARIABLE FREQUENCY DRIVE FURNISHED UNDER ANOTHER DIVISION. INSTALL VFD AND PROVIDE POWER SERVICE CONNECTION UNDER THIS DIVISION. "HANDLE" DENOTES INTEGRAL DISCONNECT.
	ELECTRONICALLY COMMUTATED MOTOR CONTROLLER FURNISHED UNDER ANOTHER DIVISION. INSTALL ECM AND PROVIDE POWER SERVICE CONNECTION UNDER THIS DIVISION. "HANDLE" DENOTES INTEGRAL DISCONNECT.
	PACKAGE MOTOR CONTROLLER OR STARTER FURNISHED AND INSTALLED UNDER ANOTHER DIVISION WITH EQUIPMENT CONTROLLED. PROVIDE SINGLE-POINT POWER SERVICE CONNECTION UNDER THIS DIVISION AS NOTED ON PLANS.
	DRIVEN GROUND ROD.
	DRIVEN GROUND ROD IN GROUND WELL WITH COVER.
	ELECTRICAL VEHICLE CHARGING STATION, WALL MOUNTED.
	ELECTRICAL VEHICLE CHARGING STATION, PEDESTAL MOUNTED.
	CABLE TO BUS TERMINATION LUGS.
	BOLTED PRESSURE OR HIGH PRESSURE CONTACT OR FUSED SWITCHES.
	GROUP MOUNTED MOLDED CASE CIRCUIT BREAKER.
	INDIVIDUALLY FIXED MOUNTED INSULATED-CASE OR POWER CIRCUIT BREAKER.
	INDIVIDUALLY DRAW-OUT MOUNTED INSULATED-CASE OR POWER CIRCUIT BREAKER.
	MEDIUM-VOLTAGE, INDIVIDUALLY DRAW-OUT MOUNTED VACUUM CIRCUIT BREAKER.
	MEDIUM-VOLTAGE LOAD INTERRUPTER SWITCH, FUSED TYPE.
	MEDIUM-VOLTAGE LOAD INTERRUPTER SWITCH, NON-FUSED TYPE.
	GROUND FAULT RELAY INTEGRAL WITH CIRCUIT BREAKER.
	ELECTRICALLY OPERATED CIRCUIT BREAKER, INTEGRAL.
	SHUNT-TRIP INTEGRAL WITH OVERCURRENT PROTECTION DEVICES.
	KIRK-KEY INTERLOCK INTEGRAL WITH OVERCURRENT PROTECTION DEVICES. ADJACENT NUMBER CORRESPONDS WITH DEVICE INTERLOCK.
	PRIVATE METER, MOUNTED INTEGRAL WITH OVERCURRENT PROTECTION OR SEPARATE WITHIN SWITCHGEAR.
	UTILITY METER, MOUNTED IN UTILITY METER SECTION OF SWITCHGEAR OR SWITCHBOARDS.
	PRIVATE METER, MOUNTED IN SEPARATE ENCLOSURE FROM SWITCHGEAR OR SWITCHBOARDS.
	GROUND FAULT RELAY WITH SHUNT TRIP.
	GROUND FAULT ALARM, NO SHUNT TRIP.
	TRANSFORMER.
	CONNECTION TO GROUND.
	CURRENT TRANSFORMERS.
	POTENTIAL TRANSFORMERS.
	AUTOMATIC OR MANUAL TRANSFER SWITCH.
	AUTOMATIC TRANSFER & BY-PASS ISOLATION SWITCH.
	EMERGENCY GENERATOR.
	BATTERIES.
	NEUTRAL SERVICE DISCONNECT LINK.
	SURGE PROTECTION DEVICE, 'SPD'.
	CONTROL CONTACTOR.
	NORMALLY OPEN CONTACT.
	NORMALLY CLOSED CONTACT.
	DIGITAL METERING UNIT.
	GROUND BUS AS SHOWN ON SINGLE LINE DIAGRAMS.
	GROUND BUS AS SHOWN ON PLAN VIEWS.
	NEUTRAL BUS.
	CONCRETE VAULT, IN-GRADE, FOR EXTERIOR APPLICATIONS. SIZE AND TYPE AS NOTED ON THE PLANS.
	CONCRETE MANHOLE, IN-GRADE, FOR EXTERIOR APPLICATIONS. SIZE AND TYPE AS NOTED ON THE PLANS.
LIFESTYLES	
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED (R) OR RELOCATED (RR)
	NEW CONSTRUCTION
	FUTURE CONSTRUCTION

WIRING DEVICES	
	JUNCTION BOX, WALL MOUNTED, +18" UON.
	JUNCTION BOX, MOUNTED IN FLUSH FLOOR BOX.
	JUNCTION BOX, MOUNTED FLUSH IN CEILING.
	JUNCTION BOX, SURFACE OR PENDANT MOUNTED TO BOTTOM OF STRUCTURE IN ACCESSIBLE CEILING SPACE OR EXPOSED IN OPEN CEILING AREAS.
	JUNCTION BOX, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
	SINGLE-PLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON. LETTERING ADJACENT TO THE DEVICE ON THE PLANS INDICATE THE FOLLOWING FOR THOSE RECEPTACLES: A: ARC FAULT CURRENT INTERRUPTER (AFCI) G: GROUND FAULT CURRENT INTERRUPTER (GFCI) IG: ISOLATED GROUND TR: TAMPER RESISTANT U: INTEGRAL USB PORTS WP: WEATHER-RESISTANT, GROUND FAULT CURRENT INTERRUPTER (GFCI) WITH WEATHERPROOF "IN USE" COVER
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED OVER COUNTER, 6" ABOVE BACK SPLASH UON, BUT NO HIGHER THAN ADA REQUIREMENTS.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, SPLIT-WIRED, WALL MOUNTED, +18" UON.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, ON BACK-UP POWER SYSTEM, WALL MOUNTED, +18" UON.
	DUPLEX, OR DOUBLE DUPLEX, CONVENIENCE RECEPTACLE DEVICE, CONTROLLED PER T24, WALL MOUNTED, +18" UON.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, HORIZONTALLY WALL MOUNTED, +18" UON.
	SPECIALTY OUTLET DEVICE, NEMA CONFIGURATION TYPE AS NOTED ON PLANS, WALL MOUNTED, +18" UON.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
	COMBINATION POWER/TELECOMMUNICATION DEVICE, MOUNTED IN FLUSH FLOOR BOX. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
	COMBINATION POWER/TELECOMMUNICATION DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
	DUPLEX CONVENIENCE RECEPTACLE DEVICE, CORD OR REEL HUNG FROM STRUCTURE ABOVE. TYPE AS NOTED ON PLANS.
	ELECTRIFIED FURNITURE PARTITION POWER FEED, WALL MOUNTED, +18" UON. CONSISTS OF 4 1 1/16" SQ. X 2 1/8" DEEP JUNCTION BOX, SINGLE GANG RING, AND STAINLESS STEEL COVER PLATE WITH KO TO ACCEPT FURNITURE WHIP.
	ELECTRIFIED FURNITURE PARTITION COMBINATION POWER/TELECOMMUNICATION FEEDS, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING WITH KO'S OR THREADED HUB IN COVER TO ACCEPT FURNITURE WHIPS.
	ELECTRIFIED FURNITURE PARTITION POWER FEED, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING WITH KO OR THREADED HUB IN COVER TO ACCEPT FURNITURE WHIP.
	POWER/TELECOMMUNICATION POLE, MOUNTED TO EXTEND FROM FLOOR TO CEILING. TYPE AS NOTED ON PLANS.
	SINGLE-POLE, MANUAL DISCONNECT SWITCH WITH THERMAL OVERLOAD ELEMENT, MOUNTED ADJACENT TO MOTOR.
	SINGLE-POLE, FRACTIONAL HORESPOWER MOTOR STARTER/DISCONNECT SWITCH, MOUNTED ADJACENT TO MOTOR.
	SWITCH FURNISHED UNDER ANOTHER DIVISION, BUT INSTALLED AND WIRED UNDER THIS DIVISION, WALL MOUNTED, +42" UON.
	LINE-VOLTAGE THERMOSTAT, NIEC, WALL MOUNTED +48" UON. INSTALLED AND WIRED BY ELECTRICAL.
	CONTROL STATION, WALL MOUNTED, +42" UON.

CONVENTIONS	
	NUMBERED NOTE, APPLIES TO ALL DRAWINGS.
	NUMBERED SHEET NOTE, APPLIES TO DRAWING CONTAINING NOTES ONLY.
	OVERCURRENT PROTECTIVE DEVICE NUMBER IDENTIFICATION TAG. REFERS TO LOCATION OF PROTECTIVE OR CONTROL DEVICE WITHIN SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC.
	EQUIPMENT IDENTIFICATION TAG: ITEM FURNISHED AND INSTALLED UNDER ANOTHER DIVISION AND INSTALLED UNDER THIS DIVISION.
	FEEDER TAG. REFER TO FEEDER SCHEDULE.
	DETAIL REFERENCE:
	DETAIL DESIGNATION SHEET NUMBER
	LUMINAIRE IDENTIFICATION TAG:
	LUMINAIRE TYPE QUANTITY

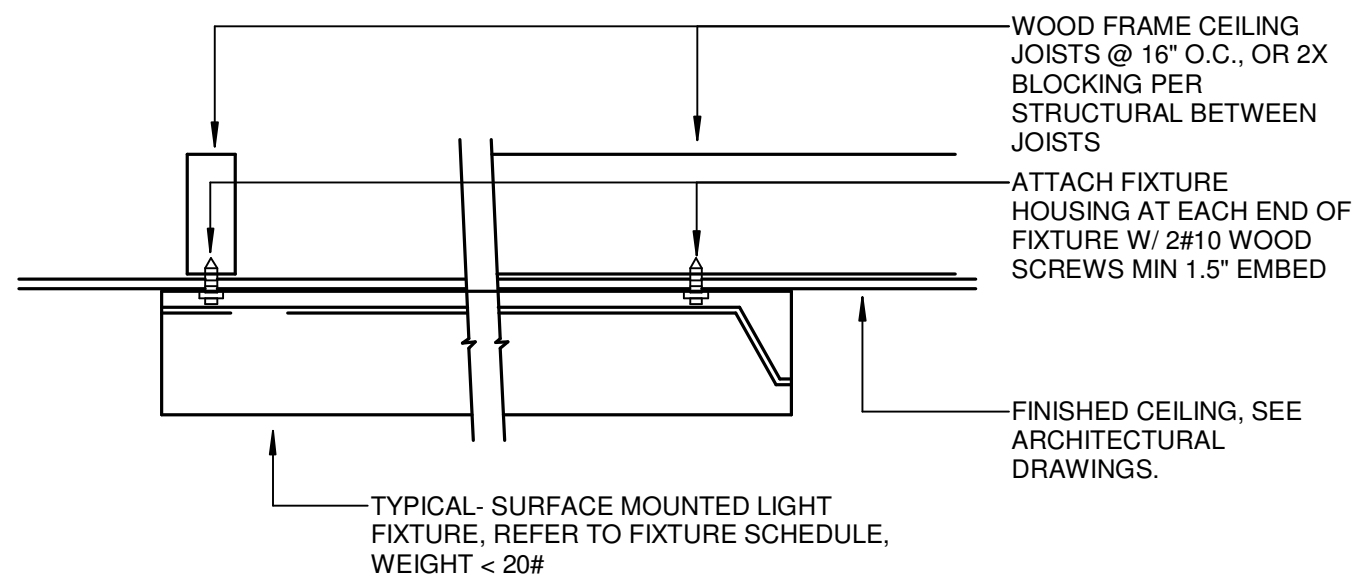
LIGHTING	
	LUMINAIRE, RECESSED IN CEILING.
	LUMINAIRE, SURFACE MOUNTED.
	SUSPENDED LINEAR LUMINAIRE. SUSPENSION POINTS ARE GRAPHIC ONLY AND DO NOT REPRESENT ACTUAL LOCATION OR QUANTITY.
	LUMINAIRE, WALL MOUNTED.
	STRIP LUMINAIRE, SURFACE OR PENDANT MOUNTED.
	STRIP LUMINAIRE, SURFACE MOUNTED IN ARCHITECTURAL CEILING COVE.
	STRIP LUMINAIRE, SURFACE MOUNTED VERTICALLY ON WALL OR IN COVE.
	ROUND DOWNLIGHT LUMINAIRE, RECESSED IN CEILING.
	SQUARE DOWNLIGHT LUMINAIRE, RECESSED IN CEILING.
	DOWNLIGHT/INDUSTRIAL LUMINAIRE, SURFACE OR PENDANT MOUNTED.
	DIRECTIONAL LUMINAIRE, RECESSED IN CEILING.
	DIRECTIONAL LUMINAIRE, SURFACE OR PENDANT MOUNTED.
	LINEAR, MULTI-HEAD, ADJUSTABLE ACCENT LUMINAIRES, RECESSED IN CEILING.
	LINEAR WALLWASH LUMINAIRE, RECESSED IN CEILING.
	LINEAR WALLWASH LUMINAIRE, SURFACE OR PENDANT MOUNTED.
	SCONCE LUMINAIRE, WALL MOUNTED.
	LED TAPE STRIP TYPE LUMINAIRE, MOUNTED LOOSE OR IN CHANNEL.
	DECORATIVE LUMINAIRE, PENDANT MOUNTED.
	LINEAR TRACK SYSTEM WITH PLUG-IN ADJUSTABLE LUMINAIRE HEADS. TRACK SHALL BE EITHER RECESSED, SURFACE OR PENDANT MOUNTED TO CEILING AS NOTED IN LUMINAIRE SCHEDULE. 'X' NEXT TO JUNCTION BOX REPRESENTS INTEGRAL CURRENT LIMITER TRIP RATING.
	EXIT SIGN LUMINAIRE, CEILING OR WALL MOUNTED WITH DIRECTIONAL ARROWS AS NOTED ON PLANS. WORD 'EXIT' TO BE LOCATED IN SHADED FACE(S).
	COMBO EXIT SIGN AND EGRESS LUMINAIRE, CEILING OR WALL MOUNTED WITH ARROWS AS NOTED ON PLANS OR IN LUMINAIRE SCHEDULE.
	EMERGENCY SELF-POWERED BATTERY PACK WITH LUMINAIRE HEADS AS NOTED ON PLANS OR IN LUMINAIRE SCHEDULE.
	SHADING OF ANY LUMINAIRE INDICATES CRITICAL/STANDBY LIGHTING.
	HALF SHADING OF ANY LUMINAIRE INDICATES EMERGENCY/EGRESS LIGHTING.
	SINGLE-HEAD AREA LUMINAIRE WITH BRACKET ARM AND POLE, MOUNTED TO CONCRETE BASE.
	TWO-HEAD AREA LUMINAIRE WITH BRACKET ARMS AND POLE, MOUNTED TO CONCRETE BASE.
	SINGLE-HEAD AREA POST-TOP LUMINAIRE WITH POLE, MOUNTED TO CONCRETE BASE.
	AREA LUMINAIRE, SURFACE OR RECESSED MOUNTED TO WALL.
	LUMINAIRE BOLLARD, MOUNTED TO CONCRETE BASE.
	GROUNDWELL LUMINAIRE MOUNTED FLUSH IN FINISHED GRADE.
	FLOODLIGHT LUMINAIRE, STANCHION MOUNTED ABOVE GRADE.
	LINEAR SIGN-LIGHT LUMINAIRE, STANCHION MOUNTED ABOVE GRADE.
	STEPLIGHT LUMINAIRE, WALL MOUNTED.
	MULTIPLE LUMINAIRES MOUNTED ON COMMON POLE.
	F.A.A OBSTRUCTION LUMINAIRE.

LINE VOLTAGE LIGHTING CONTROL	
	S SINGLE-POLE, SINGLE-THROW SWITCH, WALL MOUNTED, +42" UON.
	S ³ THREE-WAY SWITCH, WALL MOUNTED, +42" UON.
	S ⁴ FOUR-WAY SWITCH, WALL MOUNTED, +42" UON.
	S ^K SINGLE-POLE, SINGLE-THROW SWITCH, KEY-OPERATED, WALL MOUNTED, +42" UON.
	S ^P SINGLE-POLE, SINGLE-THROW SWITCH, WITH PILOT LIGHT, WALL MOUNTED, +42" UON.
	S ^D WALLBOX DIMMER SWITCH, +42" UON. SIZED PER CONNECTED LOAD ON PLANS AND FURNISHED FOR LAMP SOURCE SERVED. PROVIDED FOR DERATING WHEN INSTALLED GANGED LOCATIONS.
	S ^{TC} SINGLE-POLE, TIMER CONTROLLED SWITCH, WALL MOUNTED, +42" UON.
	S ^{EP} SINGLE-POLE, SINGLE-THROW SWITCH, EXPLOSION PROOF, WALL MOUNTED, +42" UON.
	S ^V LINE VOLTAGE SINGLE RELAY VACANCY SENSOR, WALL MOUNTED, +42" UON.
	S ^{WP} SINGLE-POLE, SINGLE-THROW SWITCH WITH WEATHERPROOF COVER, WALL MOUNTED, +42" UON.
	S ^H SINGLE-POLE SWITCH WITH AUTOMATIC HUMIDITY CONTROL, WALL MOUNTED, +42" UON.
	S ^M DUAL LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON.
	S ^{M1} SINGLE LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON.
	S ^{DM} COMBINATION OCCUPANCY SENSOR AND DIMMER SWITCH, WALL MOUNTED, +42" UON.
	S ^{OS} OCCUPANCY SENSOR FOR AREA COVERAGE, CEILING MOUNTED.
	S ^{PC} PHOTOELECTRIC CELL SENSOR, CEILING MOUNTED.
	S ^{ETD} EGRESS LIGHTING TRANSFER DEVICE.
	S ^{B24} BYPASS DEVICE FOR CONTROLLED EMERGENCY LIGHTING.

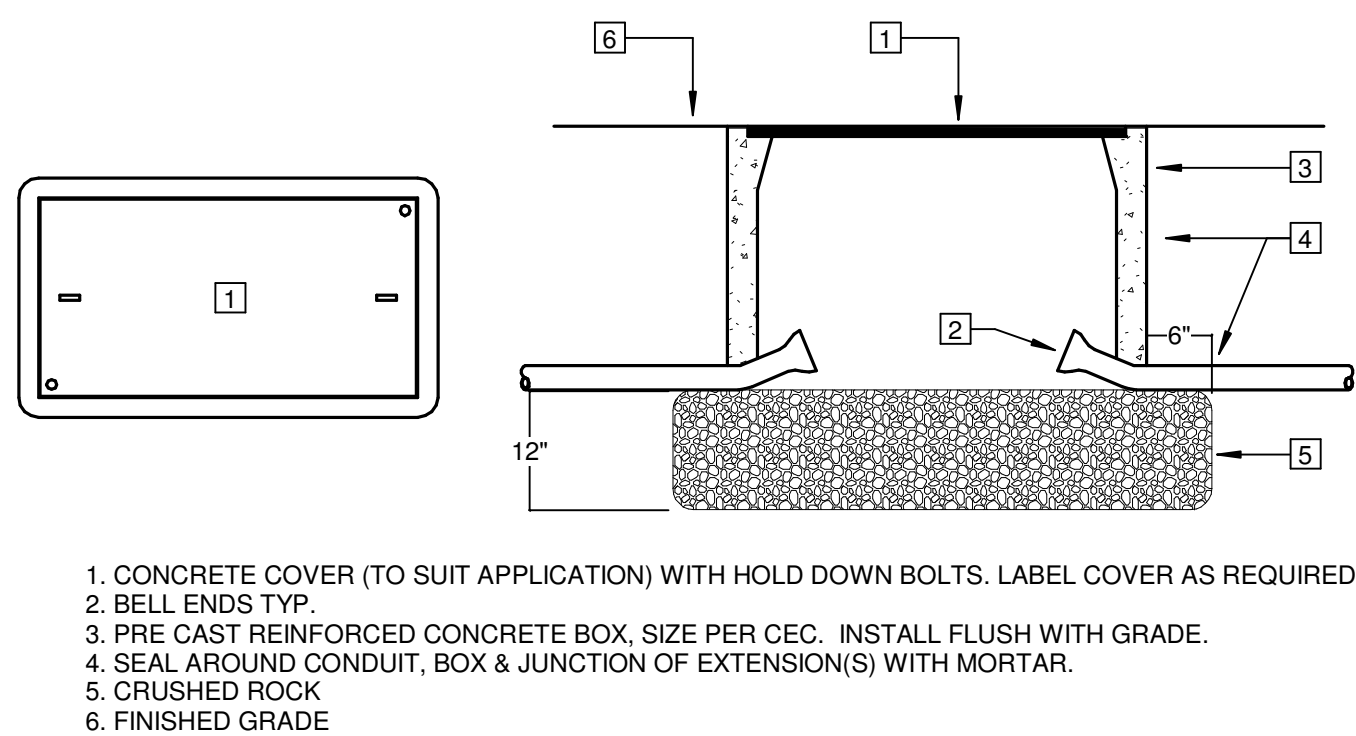
RACEWAYS	
	CONDUIT RUN EXPOSED ON WALL OR CEILING.
	CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.
	CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
	CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET. HOMERUN CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
	CONDUIT TURNED UP, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
	CONDUIT TURNED DOWN, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
	CONDUIT CAPPED OR STUBBED WITH INSULATED BUSHINGS, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
	CONDUIT SLEEVE, WITH INSULATING BUSHINGS B

LUMINAIRE SCHEDULE							
TYPE	MANUFACTURER CATALOG NUMBER	DESCRIPTION	LIGHT SOURCE	DRIVER, TRANSFORMER	WATTAGE	VOLTAGE	DETAIL
F1	LITHONIA CSVT-L48-4000LM-MVOLT-35K-80CRI OR APPROVED EQUAL	SURFACE MOUNTED LINEAR VAPOR TIGHT LED STRIP LIGHT	LED -4000 LUMEN 3500K 80+ CRI MIN 100,000 HR L70	0-10V DIMMING LED DRIVER	34 W	120 V	1/E0.2

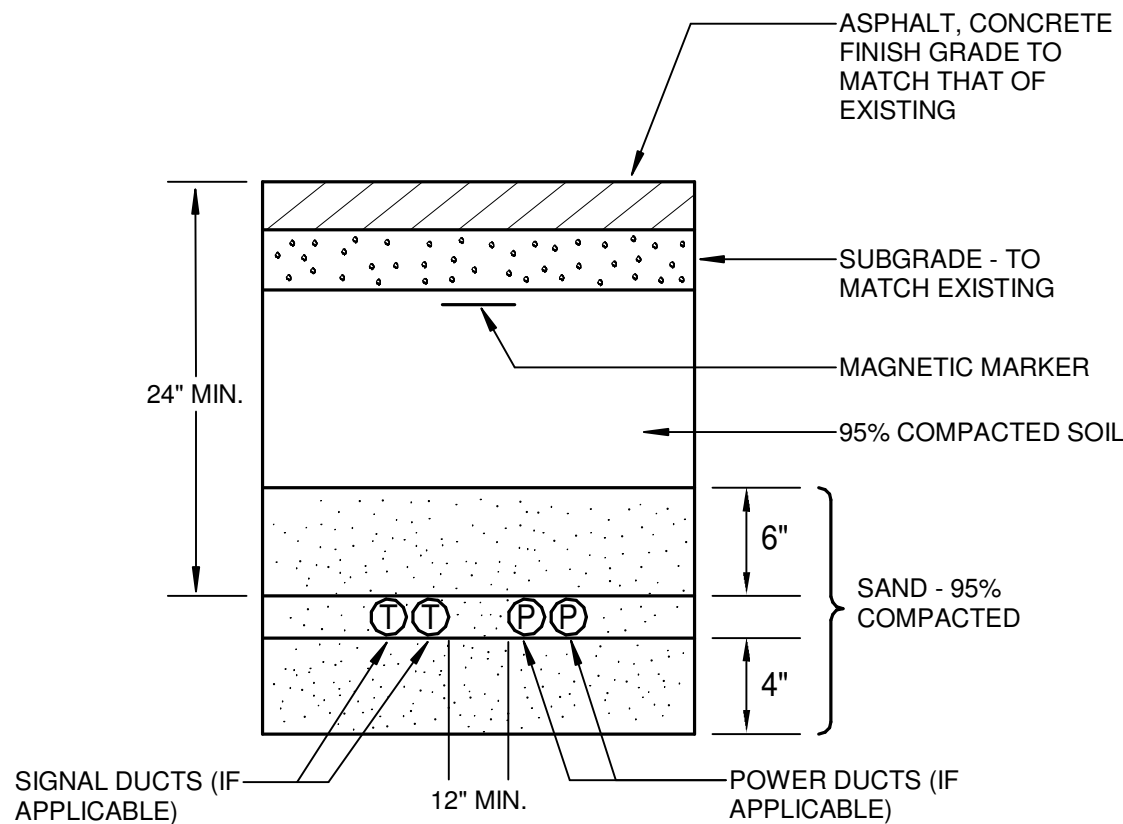
Branch Panel: PANEL LA1											
Location:			Served From				Phases 1		A.I.C. Rating: 10kAIC Bus Rating 100 A		
Mounting: SURFACE			Volts: 120/240...				Wires 3		Main Type: M.C.B. Main Rating: 100 A		
LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	#	P	Amp	Load Served	LC
R	SOUTH WALL RECEPPTS 1&2	20 A	1	1	0.72	1.20					
R	SOUTH WALL RECEPPTS 3&4	20 A	1	3		0.72	1.20	4	2	20 A	FUTURE BAF #1
R	SOUTH WALL RECEPPTS 5&6	20 A	1	5	0.72	1.20		6	2	20 A	FUTURE BAF #2
R	NORTHWEST RECEPPTS	20 A	1	7		0.72	1.20	8			
R	SOUTH WALL RECEPPTS 7&8	20 A	1	9	0.72	1.20		10	2	20 A	FUTURE BAF #3
R	SOUTH WALL RECEPPTS 9&10	20 A	1	11		0.72	1.20	12	2	20 A	FUTURE BAF #4
R	NORTHEAST RECEPPTS	20 A	1	13	0.72	1.20		14			
L	AG BARN LIGHTING	20 A	1	15		0.54	1.20	16	2	20 A	FUTURE BAF #4
--	SPARE	20 A	1	17	0.00	--		18	1	--	space
--	SPARE	20 A	1	19		0.00	--	20	1	--	space
--	SPARE	20 A	1	21	0.00	--		22	1	--	space
--	SPARE	20 A	1	23		0.00	--	24	1	--	space
Connected Load:		7.68 kVA		7.5 kVA							
Feed-Thru Load:		0 kVA		0 kVA							
Total Amps:		64 A		62.53 A							
Load Classification		Conn. Load		Demand Factor		Code Demand		Panel Totals			
Motor		9.5 kVA		106.25%		10.2 kVA		Connected Load: 15.18 kVA			
Lighting		0.54 kVA		125.00%		0.68 kVA		Connected Amps: 63.27 A			
Receptacle		5.04 kVA		100.00%		5.04 kVA		Code Demand Load: 15.92 kVA			
								Code Demand Amps: 66.33 A			
Notes: NEMA 3R ENCLOSURE											



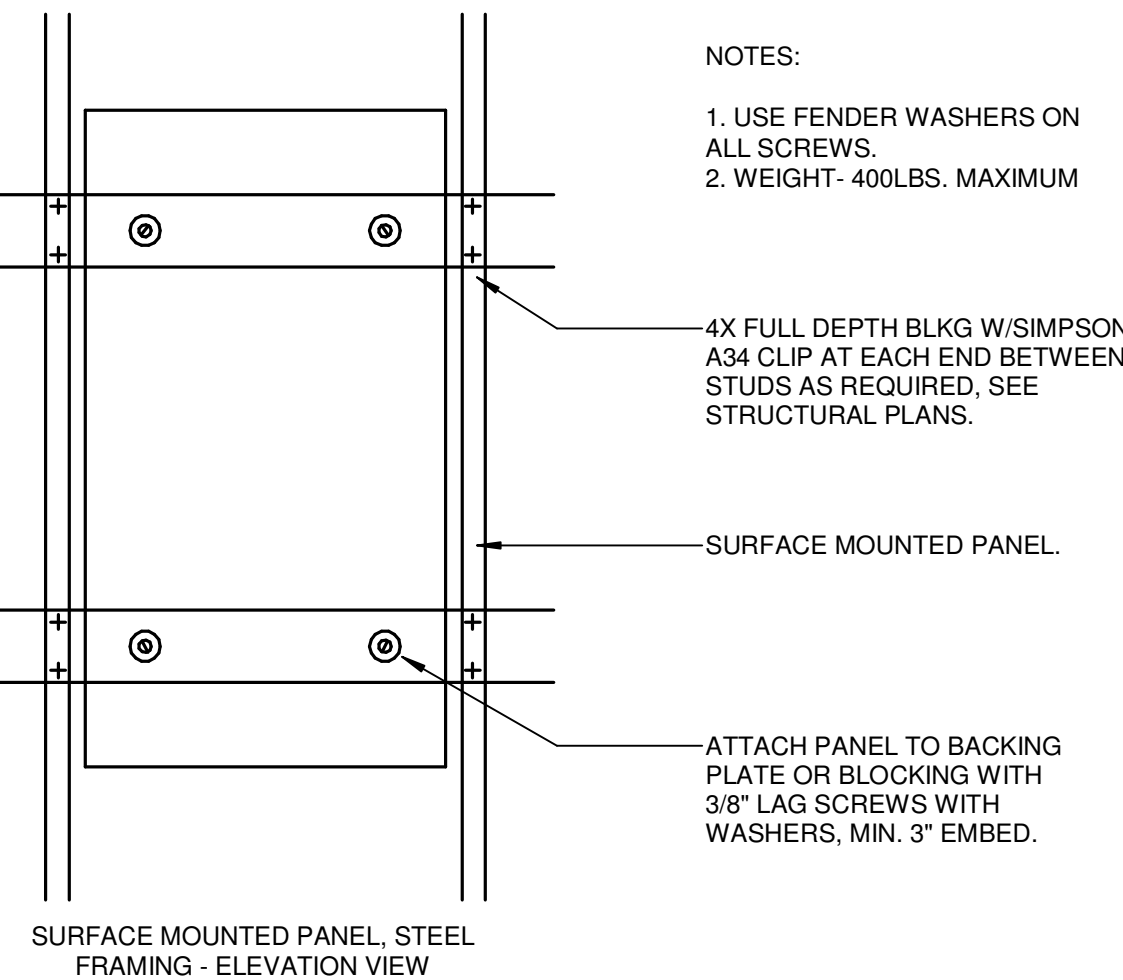
1 SURFACE MOUNTED FIXTURE
SCALE: NTS



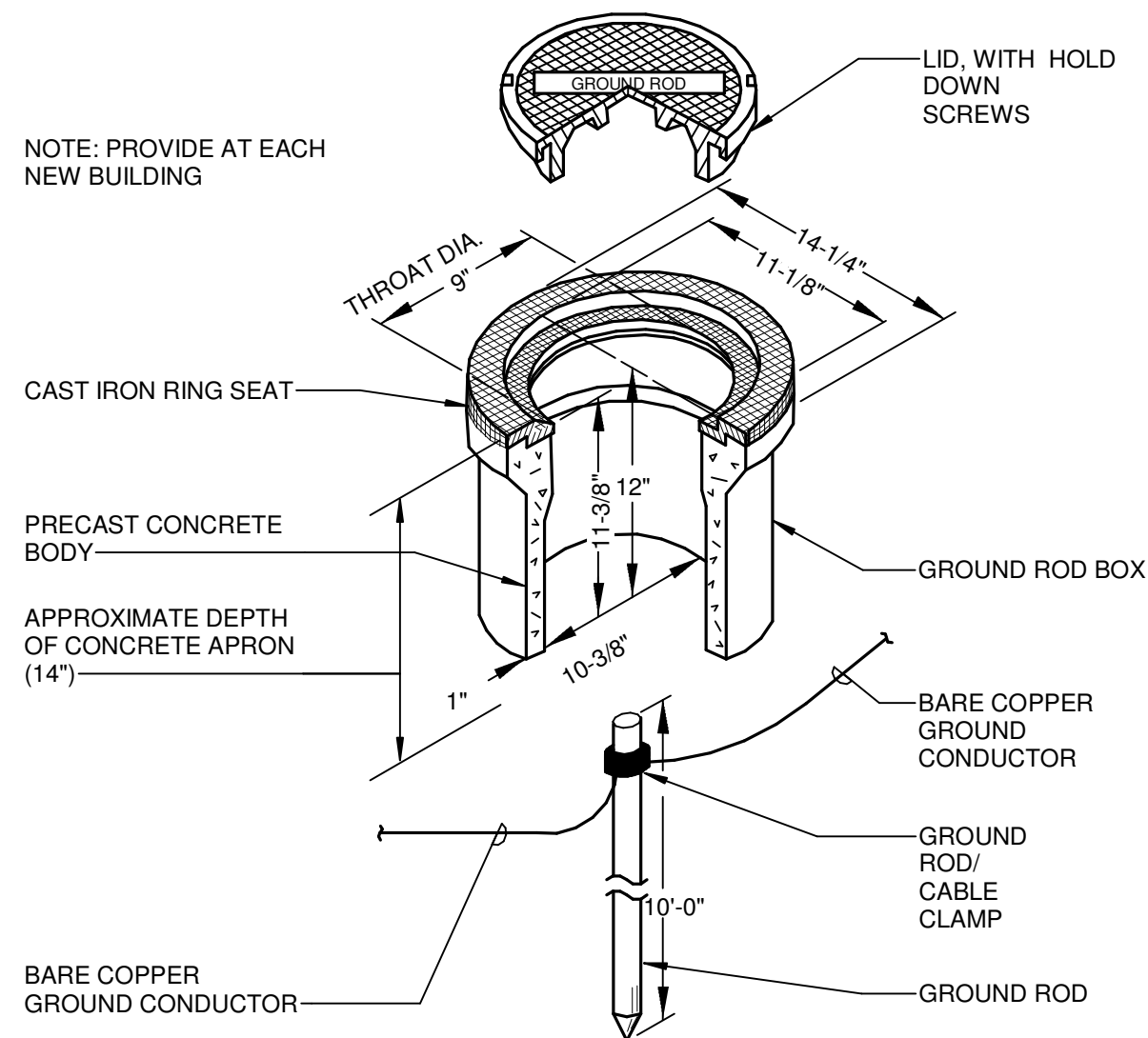
3 SITE PULLBOX INSTALLATION DETAIL
SCALE: NTS



2 JOINT TRENCH DETAIL
SCALE: NTS



4 SURFACE OR RECESSED PANELBOARD
SCALE: NTS



5 GROUND ROD INSTALLATION
SCALE: 12" = 1'-0"

PROJECT GENERAL NOTES

- ELECTRICAL SCOPE SHALL COMPLY WITH THE LATEST ADOPTED EDITIONS OF THE CALIFORNIA ELECTRIC CODE (CEC), CALIFORNIA BUILDING CODE (CBC), CALIFORNIA FIRE CODE (CFC), CALIFORNIA MECHANICAL CODE (CMC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 72) AND THE CALIFORNIA ENERGY CODE.
- THE CONTRACTOR SHALL VISIT THE JOBSITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING THE PROJECT AND SHALL INCLUDE IN THEIR BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE CODES.
- DRAWINGS INDICATE GENERAL ARRANGEMENT OF ELECTRICAL SYSTEMS AND WORK. FOLLOW THE DRAWINGS IN LAYING OUT WORK AND VERIFY EXACT LOCATIONS WITH ARCHITECTURAL FLOOR PLAN AND RCP DRAWINGS. ALSO, CHECK DRAWINGS OF OTHER TRADES TO VERIFY LOCATIONS OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND COORDINATE SPACE CONDITIONS WITH THEIR INSTALLATION. FINAL LOCATIONS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS.
- NOT EVERY ELECTRICAL RACEWAY, BOX, CONDUCTOR, ETC., FOR A COMPLETE ELECTRICAL INSTALLATION, IS SHOWN ON THESE DRAWINGS. THIS IS DONE FOR CLARITY PURPOSES AND EASE OF INTERPRETING DRAWINGS. PROVIDE ALL ADDITIONAL ITEMS REQUIRED TO MAKE THE ELECTRICAL SYSTEMS COMPLETE AND OPERATIONAL.
- WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THESE DRAWINGS AND SHALL ALSO COMPLY WITH THE ELECTRICAL SPECIFICATIONS. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT OF THE REQUIREMENTS SHALL TAKE PRECEDENT.
- ALL NEW ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UNDERWRITER'S LABORATORIES (UL) LISTED OR ELECTRICAL TESTING LABORATORIES (ETL) LISTED AND BEAR THEIR LABELS.
- ALL ELECTRICAL MATERIALS SHALL BE NEW AND UNUSED, AND OF THE SAME MANUFACTURER OF LIKE EQUIPMENT AND/OR SYSTEMS.
- CONTRACTOR SHALL REMOVE ALL LEFTOVER CONDUIT, WIRE, SCRAPS, ETC. AND LEAVE PREMISES CLEAN AND FREE OF TRASH AND DEBRIS RESULTING FROM THEIR WORK.
- PRIOR TO COMMENCING ANY TRENCHING SCOPE ON-SITE, CONTACT THE UTILITIES UNDERGROUND SERVICE ALERT TO DETERMINE THE EXACT LOCATIONS OF ANY EXISTING UNDERGROUND UTILITY LINES, WHICH MIGHT GET DAMAGED DURING EXCAVATION. WHERE INTERFERENCE IS POSSIBLE, TRENCHING SHALL BE DONE MANUALLY.
- MINIMUM CONDUIT TRADE SIZE FOR EXTERIOR APPLICATIONS SHALL BE 1.0", UNLESS OTHERWISE NOTED.
- ALL UNDERGROUND FEEDER CONDUITS SHALL HAVE A MINIMUM COVER OF 24". WHERE FEEDER CONDUITS ARE INSTALLED UNDER ROADS OR PAVED SURFACE WITH VEHICLE TRAFFIC, THE MINIMUM COVER SHALL INCREASE TO 36". INCLUDE A MINIMUM 12" HORIZONTAL SEPARATION BETWEEN LOW-VOLTAGE AND LINE-VOLTAGE CONDUITS INSTALLED IN SAME TRENCH. INSTALL A WARNING/MARKER TAPE 12" OVER THE CONDUITS.
- ALL UNDERGROUND CONDUITS ORIGINATING FROM BUILDING EXTERIOR AND TERMINATING IN ELECTRICAL EQUIPMENT WITHIN THE BUILDING INTERIOR SHALL BE SEALED AT BOTH ENDS AFTER CONDUCTORS ARE INSTALLED, TO PREVENT MOISTURE FROM COMING IN CONTACT WITH LIVE PARTS.
- SITE PULLBOXES FOR BRANCH CIRCUITING SHALL BE SIZED TO CODE MINIMUM REQUIREMENTS. OBTAIN APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY PULLBOXES NEEDED TO FACILITATE SITE CONDUIT REQUIREMENTS.
- ALL GROUNDING ELECTRODES WITHIN BUILDING OR STRUCTURE SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING ELECTRODE SYSTEM.
- ALL SEPARATELY DERIVED SYSTEMS SHALL COMPLY WITH CODE, CEC 250.104, FOR BONDING TO METAL WATER PIPING AND STRUCTURAL METAL.
- FURNISH, INSTALL, AND CONNECT A CODE SIZED INSULATED OR BARE COPPER GROUND CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDER CONDUITS.
- WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE TO ACCOMMODATE VOLTAGE DROP, THE EQUIPMENT GROUND CONDUCTOR SHALL ALSO BE INCREASED IN SIZE PROPORTIONATELY, ACCORDING TO THE CIRCULAR MIL AREA OF UNGROUNDED CONDUCTORS.
- ALL EQUIPMENT CONNECTED BY PERMANENT WIRING METHODS SHALL BE GROUNDED.
- BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST OUTLET OR DEVICE. THE MAXIMUM VOLTAGE DROP ALLOWED ON COMBINED FEEDERS AND BRANCH CIRCUITS SHALL NOT EXCEED 5% TO THE FARTHEST OUTLET OR DEVICE.
- ALL CONDUCTORS ON THIS PROJECT SHALL BE STRANDED COPPER.
- MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES, I.E. HANDLE TIES OR MULTIPOLE CIRCUIT BREAKERS.
- CONDUIT ROUTING ON DRAWINGS IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS, LIMITING BENDS AND BOXES, AND SHALL COORDINATE INSTALLATION WITH WORK OF OTHER TRADES.
- PROVIDE INSULATING BUSHINGS OR INSULATED THROAT CONNECTORS AT BOTH ENDS OF ALL CONDUIT SLEEVES.
- ALL JUNCTION AND PULL BOXES SHALL BE SIZED PER CODE TO ACCOMMODATE NUMBER OF CONDUITS AND/OR CONDUCTORS ROUTED TO AND FROM BOXES.
- PROVIDE A PULL WIRE/TAPE IN ALL EMPTY CONDUIT RUNS OVER 15' IN LENGTH.
- NO PIPING, DUCTWORK, OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE ALLOWED WITHIN THE DEDICATED SPACE ABOVE ELECTRICAL EQUIPMENT.
- PROVIDE ENGRAVED NAMEPLATES FOR ALL ELECTRICAL PANELBOARDS, SWITCHBOARDS, SWITCHGEAR, TRANSFORMERS, AND DISCONNECT SWITCHES, AS DESCRIBED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL ENSURE THAT THE ELECTRICAL EQUIPMENT PROVIDED UNDER THEIR CONTRACTOR WILL FIT WITHIN THE SPACES PROVIDED IN THE BID DOCUMENTS, WHETHER PROVIDED BY THE SPECIFIED EQUIPMENT MANUFACTURER OR NOT. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED IF CONTRACTOR NEEDS TO ADJUST EQUIPMENT PACKAGE TO OBTAIN REDUCED DIMENSIONS.
- CONTRACTOR IS RESPONSIBLE FOR SUBMITTING REVISED LAYOUTS OF DISTRIBUTION EQUIPMENT IN SPACES, FOR APPROVAL BY ENGINEER, IF PROPOSED INSTALLATION DIFFERS FROM CONSTRUCTION DOCUMENTS. SUBMISSION MUST BE REVIEWED PRIOR TO RELEASE OF EQUIPMENT AND PRIOR TO INSTALLATION.
- ALL FLOOR AND/OR FREE-STANDING ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A 4" HIGH CONCRETE HOUSEKEEPING PAD, U.O.N.
- ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF (NEMA 3R RATED, MINIMUM) AND LISTED FOR EXTERIOR APPLICATIONS.
- ALL CIRCUIT BREAKERS SERVING THE FIRE ALARM CONTROL PANEL AND FIRE ALARM SYSTEM COMPONENTS SHALL HAVE LOCKABLE HANDLES AND SHALL BE RED IN COLOR, FOR EASE IN IDENTIFICATION.
- MOUNTING HEIGHTS OF ALL WIRING DEVICES ARE DIMENSIONED TO THE CENTER OF THE DEVICE, UNLESS OTHERWISE NOTED.
- PROVIDE GFCI TYPE RECEPTACLES WITH WEATHERPROOF "WHILE-IN-USE" COVERPLATES WITHIN 25' OF ALL EXTERIOR HVAC AND PLUMBING EQUIPMENT.
- WHERE RECEPTACLES ARE LOCATED OUTSIDE OR IN WET/DAMP LOCATIONS, PROVIDE WEATHERPROOF WHILE-IN-USE COVERPLATES.
- ALL WIRING DEVICES AND JUNCTION BOX COVERS SHALL HAVE TYPE-ON-TAPE LABELS INDICATING THE PANELBOARD AND CIRCUIT NUMBER(S) SERVING EACH DEVICE.
- CONTRACTOR SHALL SIZE ALL JUNCTION AND PULL BOXES PER THE MINIMUM CODE REQUIREMENTS OF CEC ARTICLE 314, UNLESS OTHERWISE NOTED ON DRAWINGS.

AGENCY APPROVAL DSA # 02-122224 02-122224

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122224 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☒
DATE: 03/14/2024

196
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TEL (916) 786-8178

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TEL (916) 985-1870

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Auburn, CA 95603
TEL (530) 886-8556

MECHANICAL ENGINEER
Weston and Associates
601 University Avenue, #260
Sacramento, CA 95825
TEL (916) 482-0820

PROFESSIONAL STAMP



REVISIONS

#	DATE	DESCRIPTION
1	09-05-2024	ADDENDUM #001
-		

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
DISRTICT
1305 E VINE ST
LODI, CA
95240

AG AREA SITE IMPROVEMENTS
1111 W CENTURY BLVD
LODI, CA 95240

SHEET TITLE

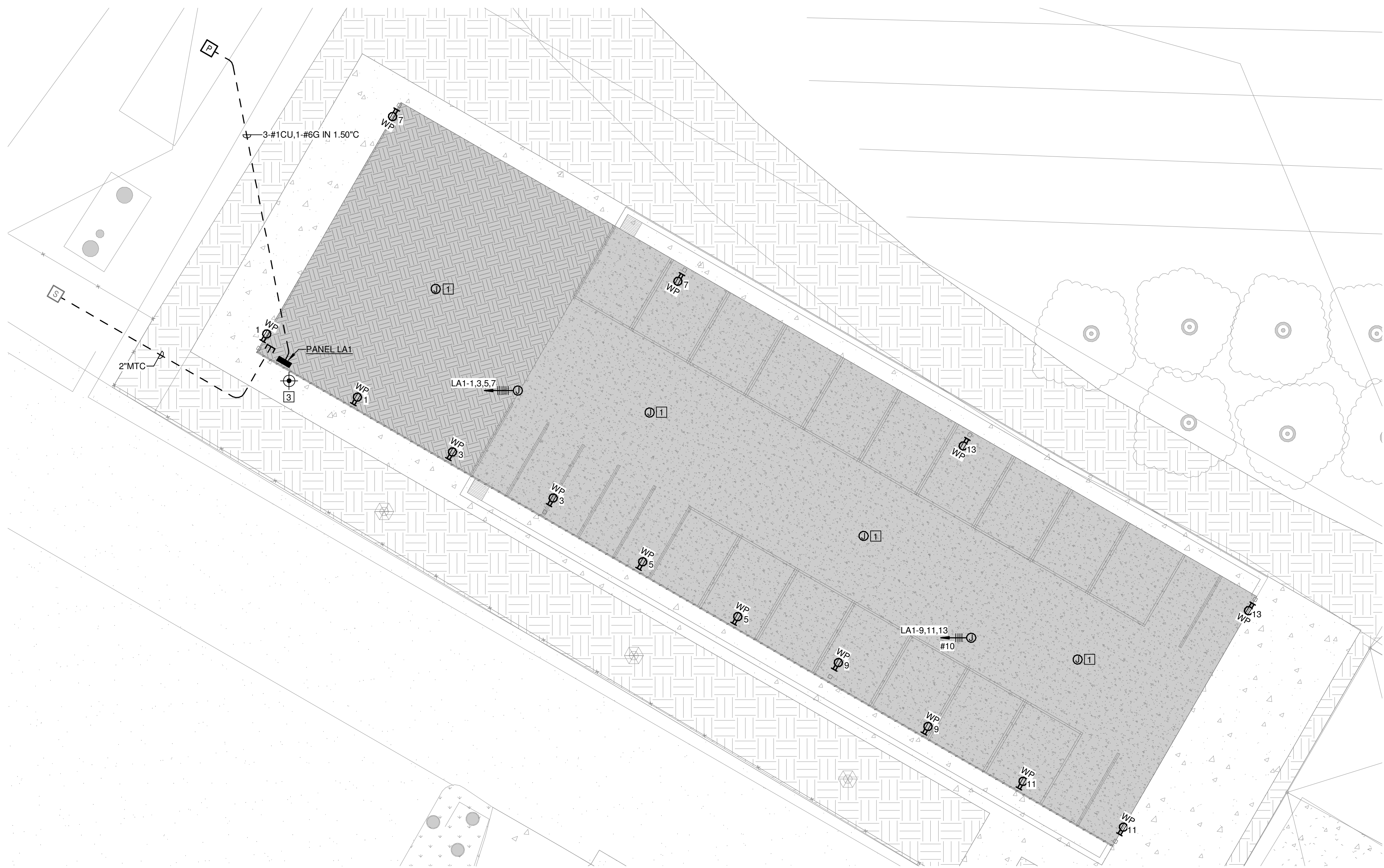
SCHEDULES & DETAILS

DRAWN BY: XX JOB NUMBER: 23381.01

SHEET NO.

E0.2 ADD ALT #001

DATE: FEBRUARY 22, 2024



2 POWER PLAN
SCALE: 1/8" = 1'-0"



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

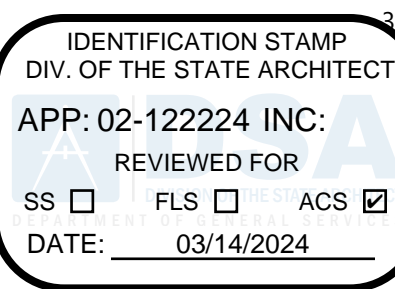
GENERAL SHEET NOTES

- A. CALL U.S.A. PRIOR TO UNDERGROUND WORK, 1-800-227-2600.
- B. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF NEW WORK.
- C. PROVIDE A 1/2" MULE TAPE IN ALL EMPTY CONDUITS.
- D. PROVIDE 6-INCH WIDE UNDERGROUND WARNING TAPE ABOVE ALL NEW UNDERGROUND CONDUITS/CABLES. INSTALL AT 12-INCHES ABOVE THE CONDUITS/CABLES. PROVIDE RED TAPE FOR POWER APPLICATIONS. PROVIDE ORANGE TAPE FOR LOW VOLTAGE APPLICATIONS. PROVIDE BOTH RED AND ORANGE TAPES FOR JOINT TRENCH APPLICATIONS.
- E. PULL BOX LOCATIONS ARE DIAGRAMMATIC AND NOT DIMENSIONED. LOCATE IN LANDSCAPE AREAS WHEREVER POSSIBLE AND AVOID SETTING IN FINISHED FLATWORK. PULL BOXES FOR POWER SHALL BE SIZED PER CEC. LID SHALL BE ENGRAVED "POWER", UON.
- F. REFER TO FIXTURE SCHEDULE ON SHEET E0.2 FOR ADDITIONAL REQUIREMENTS. VERIFY MOUNTING HEIGHTS OF FIXTURES WITH ARCHITECTURAL ELEVATIONS.
- G. REFER TO SHEET E0.2 FOR LIGHT FIXTURE INSTALLATION DETAILS.
- H. EXTERIOR WP RECEPTACLES SHALL BE PROVIDED WITH FLUSH, LOCKABLE WHILE IN USE COVERS.
- I. ALL UNDERGROUND POWER AND COMMUNICATIONS CONDUIT SHOWN SHALL BE COORDINATED WITH STRUCTURAL DRAWINGS AND SHALL BE ROUTED TO AVOID STRUCTURAL ELEMENTS.

NUMBERED SHEET NOTES

- 1 PROVIDE INFRASTRUCTURE FOR FUTURE "BIG ASS FAN". ROUTE 0.75"C BACK TO PANEL LA1.
- 2 PROVIDE INTERMATIC IN-WALL COUNTDOWN TIMER SWITCH MODEL #EI220W
- 3 GROUND ROD IN GROUND WELL, INSTALL PER 5"E0.2.

AGENCY APPROVAL DSA # 02-122224



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

CONSULTANTS

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

ELECTRICAL ENGINEER
The Engineering Enterprise
1125 High Street
Auburn, CA 95603
TEL (530) 886-8556

MECHANICAL ENGINEER
Weston and Associates
601 University Avenue, #260
Sacramento, CA 95825
TEL (916) 482-0820

PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION
1	09-05-2024	ADDENDUM #001

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 E VINE ST
LODI, CA
95240

AG AREA SITE IMPROVEMENTS
1111 W CENTURY BLVD
LODI, CA 95240

SHEET TITLE

ENLARGED LIGHTING AND POWER PLANS

DRAWN BY: XX JOB NUMBER: 23381.01

SHEET NO. **E2.1** **ADD ALT #001**

DATE: FEBRUARY 22, 2024