

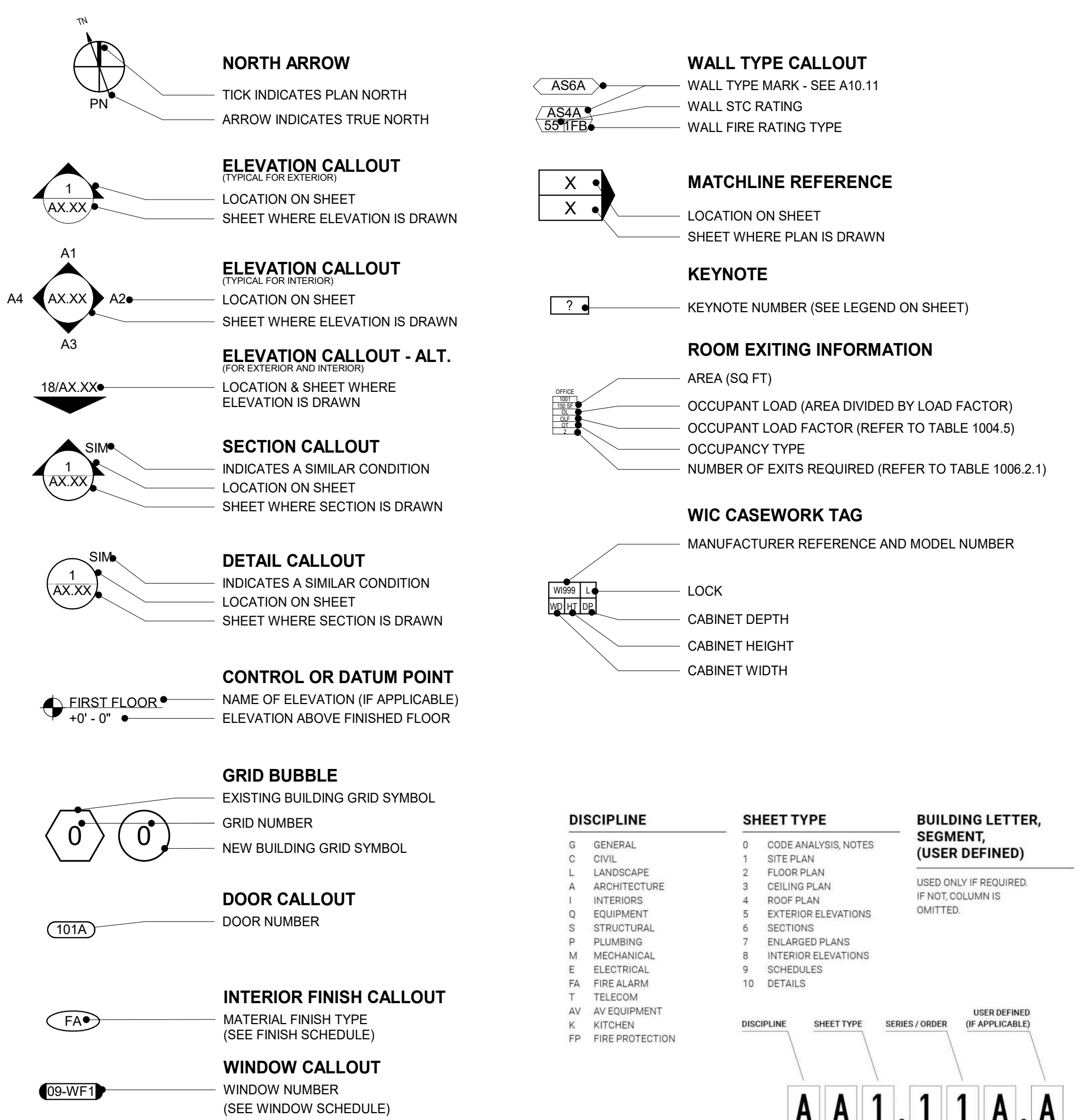
LODI USD WAREHOUSE GENERATOR

851 SOUTH GUILD AVENUE, LODI, CA, 95242

GENERAL NOTES

- CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT. THE CONSTRUCTION DOCUMENTS INCLUDE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE BINDING AS REQUIRED BY BOTH.
- PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED INTENT OF THE DESIGN INTENT.
- VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES AND CONDITIONS OF THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE RECORDS, AND/OR FIELD CONDITIONS AT THE TIME OF PREPARATION.
- ALL MATERIALS AND WORKSMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS. THE DESIGNER ASSUMES RESPONSIBILITY FOR ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
- NO CASE SHALL VARYING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
- DETAILS MARKED "SEE PLAN" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.
- ENACT ALL MEASURES TO PROTECT AND PRESERVE ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED, REPLACED OR REMOVED EXISTING OR EMERGING DURING THE EXECUTION OF THIS CONTRACT TO EQUIVALENT BETTER.
- PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND RECORD ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. ANY OTHER ARCHITECT IMMEDIATELY RECAUTION ANY ITEMS THAT CANNOT BE COORDINATED.
- CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE PROTECTION OF TREES ON THIS SITE TO AVOID EXISTING DUTIES, PILING, CONDUIT, ETC. AND TO PREVENT ACCESS TO PERSONS OR VEHICLES TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY ADDENDUM OR A CHANGE ORDER.
- TESTING, BORING AND/OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT BE STARTED UNTIL THE PROJECT HAS BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
- ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATION (CCR).
- THE LIMIT OF WORK LINE SHOWS THESE DRAWINGS IS AN APPROXIMATE LIMIT OF WORK ONLY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL WORK, INCLUDING BUT NOT LIMITED TO: INSTALLATION OF CONDUIT, MANHOLES, PULLBOXS, ETC WHICH ARE TO BE SUBMITTED TO THE CITY FOR APPROVAL.
- OUTSIDE OF SHOWN LIMIT OF WORK LINES FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL THE CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS ARE INSTALLED, HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY AN AIA REGISTERED SUBMITTAL ITEMS FOR THIS PROJECT.
- CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDUM OR CONSTRUCTION CHANGE ORDER (C/O) AND MUST BE SIGNED BY A CITY INSPECTOR SHALL PROVIDE INSPECTION OF WORK AS REQUIRED BY THE CBC AND AIA.
- TESTING LABORATORY (REQUIRED) SHALL CONDUCT ALL THE DIRECTLY TESTS AND INSPECTIONS FOR THE PROJECT. THE TESTS SHALL BE CONDUCTED BY THE ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, OWNER, AND THE INSPECTOR.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS IMPROVEMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CCR CHAPTER 33.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO PROVIDE FOR THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN CONFORMANCE WITH THE CITY CODE, SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE IDENTIFIED WHICH IS NOT COVERED BY THE CITY LODI APPROVED CONTRACT DOCUMENTS.
- WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR. A CONSTRUCTION CHANGE DOCUMENT OR A SEPARATE SET OF DRAWINGS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY AIA BEFORE PROCEEDING WITH THE WORK. CONTRACTOR IS TO REVIEW AND COMPLY WITH ALL REQUIREMENTS AND MITIGATION MEASURES SET FORTH IN BOTH THE ENVIRONMENTAL IMPACT REPORT 2020 AND THE ENVIRONMENTAL IMPACT REPORT 1 (SCH NO. 200701120) INCLUDING ATTACHED BIOLOGICAL RESOURCES TECHNICAL REPORT AND NO DUMPING OR PLACING OF ANY DIRT OR DEBRIS SHALL BE ALLOWED OUTSIDE OF THE CONTRACTOR'S WORK AREA.
- PRIOR TO ANY WORK WITHIN CITY RIGHT-OF-WAY AND PUBLIC UTILITY EASEMENTS, THE APPLICANT SHALL OBTAIN THE ENCROACHMENT PERMIT ISSUED BY THE PUBLIC WORKS DEPARTMENT.
- THE CONTRACTOR SHALL MAINTAIN AND UNEVEN PUBLIC SIDEWALK FRONTING THE SUBJECT PARCEL PER CITY OF LODI STANDARD PLAN 114.
- REMOVE AND REPLACE ALL NON-AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANT DRIVEWAY RAMPING THE SUBJECT PARCEL PER CITY OF LODI STANDARD PLAN 114.

SYMBOL LEGEND



CODES

PARTIAL LIST OF APPLICABLE CODES		PARTIAL LIST OF APPLICABLE STANDARDS		
2022	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	NFPA 13	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)	2022 ED.
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.	NFPA 14	STANDARD FOR STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2019 ED.
2022	(2021 INTERNATIONAL BUILDING CODE VOLUMES 1 & 2 AND 2022 CALIFORNIA AMENDMENTS)	NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 ED.
2022	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.	NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2021 ED.
2022	(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)	NFPA 20	STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTION	2019 ED.
2022	CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.	NFPA 22	STANDARD FOR WATER TANKS FOR FIATATE FIRE PROTECTION	2013 ED.
2022	(2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)	NFPA 24	STANDARD FOR FIRE FIGHTER INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2021 ED.
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.	NFPA 70	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2022 ED.
2022	(2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)	NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 ED.
2022	CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.	NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 ED.
2022	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.	UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS	2005 ED.
2022	(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)	UL 464	STANDARD FOR FIRE TESTING OF COMMERCIAL COOKING EQUIPMENT	(R2014)
2022	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.	UL 521	AUDIBLE SIGNAL, APPLIANCES AND ACCESSORIES	2003 ED.
2022	(2020 INTERNATIONAL EXISTING CODE AND 2022 CALIFORNIA AMENDMENTS)	UL 1971	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 ED. (R2005)
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.	ULF 1	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 ED. (R2018)
2022	(2021 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.)	ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING AND GRANDSTANDS	2017 ED.
2022	TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.		FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.	
			SEE CALIFORNIA BUILDING CODE, CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.	

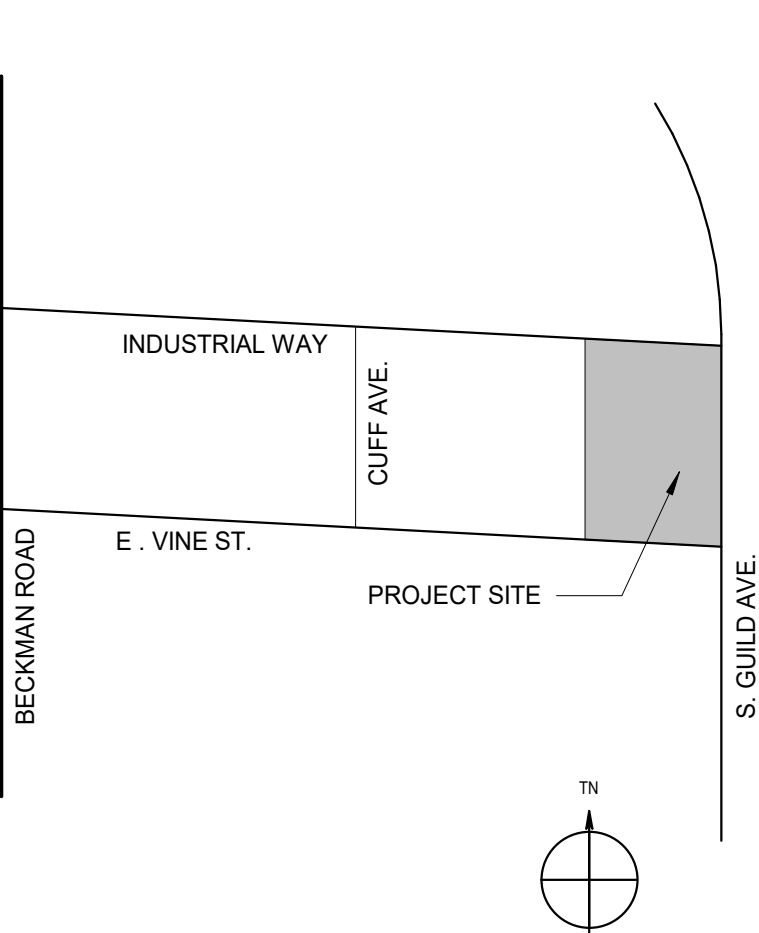
ABBREVIATIONS

(E)	EXISTING	FRP	FIBERGLASS REINFORCED PLASTIC
AB	ANCHOR BOLT	FRT	FIRE RETARDANT TREATED
AC PAVING	ASPHALTIC CONCRETE PAVING	FS	FINISH SURFACE
ACC	ACCESSIBLE	FOOTING	
ACP	ACoustical CEILING PANEL	GB	GRAB BAR
ACT	ACoustical CEILING TILE	GLB	GLASS FIBER REINFORCED CONCRETE
ADJ	ADJAdCENT/ADJUSTABLE	GLS	GLASS TYPE
AFF	ABOVE FINISH FLOOR	GLT	GLUE LAMINATED BEAM
AGG	AGGREGAT	GYP BD	GYPSUM BOARD
AHJ	AUTHORITY HAVING JURISDICTION	GYP PLAS	GYPSUM PLASTIC
ARCH	ARCHITECTURAL	HB	HOSE BIBB
ATT	ATTENUATION	HD	HEAVY DUTY
AUTO	AUTOMATIC	HDR	HEADER
BD	BOARD	HDWR	HARDWARE
BLDG	BLOCKING	HGT	HEIGHT
BUR	BUILT UP ROOFING	HM	HOLLOW METAL
CABT	CABINET	HP	HIGH POINT
CF	CUBIC FEET	HSS	HOLLOW STEEL SECTION
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	ID	INSIDE DIAMETER
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	INT	INTERIOR
CG	CORNER GUARD	INRP	INTERIOR
CJ	CONTROL JOINT	LANDS	LANDSCAPE
CL	CENTER LINE	LAV	LAVATORY
CLF	CHAIN LINK FENCE	LB	LONG LEG HORIZONTAL
CLR	COLUMN	LLV	LONG LEG VERTICAL
CMU	CONCRETE MASONRY UNIT	LP	LOW POINT
CO	CLEANOUT	LT WT	LIGHT WEIGHT
COL	COLLUM	LVR	LOUVER
COMP	COMPRESSION / COMPOSITE	MACH	MACHINE
CF	CUBIC FEET	MCH	MACHINE BOLT
COORD	COORDINATE	MDF	MEDIUM DENSITY FIBERBOARD
CORR	CORRUGATED	MDO	MEDIUM DENSITY OVERLAY
CT	CERAMIC TILE	MECH	MECHANICAL
CTSK	COUNTER SKUNK	MED	MEDIUM
CW	CURTAIN WALL	MEMB	MEMBRANE
DEPR	DEPRESSED / DEPRESSION	MFR	MANUFACTURER
DF	DRINKING FOUNTAIN	MO	MANHOLE
DIM	DIMENSION	MO	MANHOLE OPENING
DISP	DISPENSER	MNT	MOUNTED
DS	DOWNSPOUT	MTC	METAL
DTL	DETAIL	NIC	NOT IN CONTRACT
DW	DOWNSHOWER	NB	NON RATED
EW	EACH WAY	NRC	NOISE REDUCTION COEFFICIENT
EIFS	EXTERIOR INSULATION FINISH SYSTEM	NRS	NOT TO SCALE
EJ	EXPANSION JOINT	OVER	OVER
ELEC	ELECTRICAL	O/O	ON OVERALL
ELEV	ELEVATION / ELEVATOR	OC	OUTSIDE DIAMETER
ENCL	ENCLOSURE / ENCLOSURE	OFI	OWNER FURNISHED, CONTRACTOR INSTALLED
EOS	EDGE OF SLAB	OFI	OWNER FURNISHED, OWNER INSTALLED
EP	ELECTRICAL PANEL	OFVI	OWNER FURNISHED, VENDOR INSTALLED
EQ	EQUIPMENT	OH	OPPOSITE
ESC	EXCUTCHEON	OPER	OPERABLE
EWC	ELECTRIC WATER COOLER	OPN	OPENING
EXP	EXPOSED	ORD	OVERFLOW ROOF DRAIN
FA	FIRE ALARM	PL	PROPERTY LINE
FDC	FLOOR DRAIN	PUB	PUBLIC ADDRESS
FE	FIRE DEPARTMENT CONNECTION	PWC	POWDER ACTUATED FASTENER
FEC	FIRE EXTINGUISHER	PAV	PAVING
FEC	FIRE EXTINGUISHER W/ CABINET	PCC	PORTLAND CEMENT CONCRETE
FF	FINISH FLOOR	PAV	PAVING
FG	FINISH GRADE	PER	PEDSTRAIN
PH	FIRE HYDRANT	PERF	PERFORATED
FHC	FIRE HOSE CABINET	PERM	PERIMETER
FIN	FINISH	PERP	PERPENDICULAR
FLR	FLOOR	PH	PANIC HARDWARE
FOC	FACE OF CONCRETE	PIV	POSIT INDICATOR VALVE
OF	FACE OF FINISH	PL	PLATE
FOM	FACE OF MASONRY	PLAM	PLASTIC LAMINATE
FOS	FACE OF STUD	PLAS	PLASTER
FP	FIREPROOFING	PLUMB	PLUMBING
FR	FIRE RATED	PNS	PANEL
FRG	FIRE RATED GLASS	PNT	PAINT / PAINTED
		POC	POINT OF CONNECTION
		POL	POLYISOCYANURATE
		PREFIN	PREFINISHED
		PREP	PREP / PREPARATION

SHEET INDEX

SHEET INDEX	
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P1.0	PLUMBING SITE DEMOLITION PLAN
P1.1	PLUMBING SITE PLAN
P5.1	PLUMBING DETAILS
ELECTRICAL *	
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E0.2	ELECTRICAL ONE-LINE DIAGRAM
E0.3	GENERATOR SHOP DRAWINGS
E0.4	GENERATOR SHOP DRAWINGS
E0.5	ELECTRICAL DETAILS
E1	ELECTRICAL SITE PLAN
Grand total: 13	
PROJECT DESCRIPTION	
PTC	POST TENSIONED CONCRETE
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION / SYSTEM
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RECEPT	RECEPTACLE
REF	REFERENCE
REFL	REFLECT(ED), (IVE)
REFL	REFLECT(ED), (IVE)
REFR	REFRIGERATOR
REINF	REINFORCE/REINFORCED/ REINFORCEMENT
REMOVE	REMOVE
REM	ROUND HEAD
RH	ROUND HEAD SCREW
RHS	ROUGH OPENING
RO	RIGHT OF WAY
ROW	SCHEDULE (FOR PIPE)
SCH	SCHEDULE / SCHEDULING
SCHED	STORM DRAIN / SOAP DISPENSER
SD	SECTION
SECT	SAFETY GLASS
SHT	SHEET
SHTG	SHEATHING
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPOSAL
SOV	SHUT OFF VALVE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STL	STEEL
STMSMS	SELF TAPPING SHEET METAL SCREW
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
TO	TOP OF
TCC	TOP OF CURB / CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TS	TACKLE SURFACE
UIC	UNDER CABINET (OR COUNTER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VAC	VACUUM
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VIF	VERY IN FIELD
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WOW	WINDOW
WGT	WEIGHT
WH	WATER HEATER
WP	WATERPROOFING/WALL PROTECTION
WR	WATER RESISTANT
WRGB	WATER RESISTANT GYPSUM BOARD
WS	WOOD SCREW
WST	WAINSCOT
WWF	WELDED WIRE FABRIC
NOTE: OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR NECESSARY CLARIFICATION.	
PROJECT DATA	
1.	PROJECT ADDRESS: 851 S Guild (Industrial Way) Avenue
2.	OCCUPANCY GROUP(S): Existing, assumed S-2
3.	PARCEL #: 04931027
4.	PROPERTY OWNER: Lodi Unified School District
BUILDING DATA	
1.	DESCRIPTION OF USE: Existing, School District warehouse
2.	OCCUPANCY GROUP(S): Existing, assumed S-2
3.	TYPE OF CONSTRUCTION: Existing, assumed 5B
4.	SPRINKLERS: Existing, yes
5.	STORIES: Existing, 1
6.	FLOOR AREA: Existing, approx 50,000 SF
7.	OCCUPANT LOAD: Existing, approx 100 (Warehouse OLI

VICINITY MAP



PROJECT DESCRIPTION

1. PROVIDE BACKUP GENERATOR
- 2.
- 3.
- PROJECT DATA**
1. PROJECT ADDRESS: 851 S Guild (Industrial Way) Avenue, Lodi, CA
2. PARCEL #: 04931027
3. PROPERTY OWNER: Lodi Unified School District

BUILDING DATA

1. DESCRIPTION OF USE: Existing, School District warehouse
2. OCCUPANCY GROUP(S): Existing, assumed S-2
3. TYPE OF CONSTRUCTION: Existing, assumed 5B
4. SPRINKLERS: Existing, yes
5. STORIES: Existing, 1
6. FLOOR AREA: Existing, approx 50,000 SF
7. OCCUPANT LOAD: Existing, approx 100 (Warehouse OLF=500)

AGENCY
APPROVAL:

HMC Architects

3431-008-00C

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com



ISSUE

Δ	DESCRIPTION	DATE
1	CITY BACKCHECK #1	Date 2

PROJECT TEAM

OWNER
LODI UNIFIED SCHOOL DISTRICT
1305 EAST VINE STREET, LODI CA
95240
209.953.8000

ARCHITECT
HMC ARCHITECTS

2101 CAPITOL AVENUE, SUITE 100, SACRAMENTO CA
95816
916.368.7990

**ELECTRICAL & PLUMBING
CAPITAL ENGINEERING**

11020 SUN CENTER DR SUITE 100 RANCHO CORDOVA,
CA 95670
916.851.3500

FACILITY

LODI UDS WAREHOUSE
351 SOUTH GUILD AVENUE, LODI, CA, 95242

PROJECT: **LODI USD WAREHOUSE GENERATOR**

SHEET NAME:
COVER SHEET

CONSTRUCTION DOCUMENTS

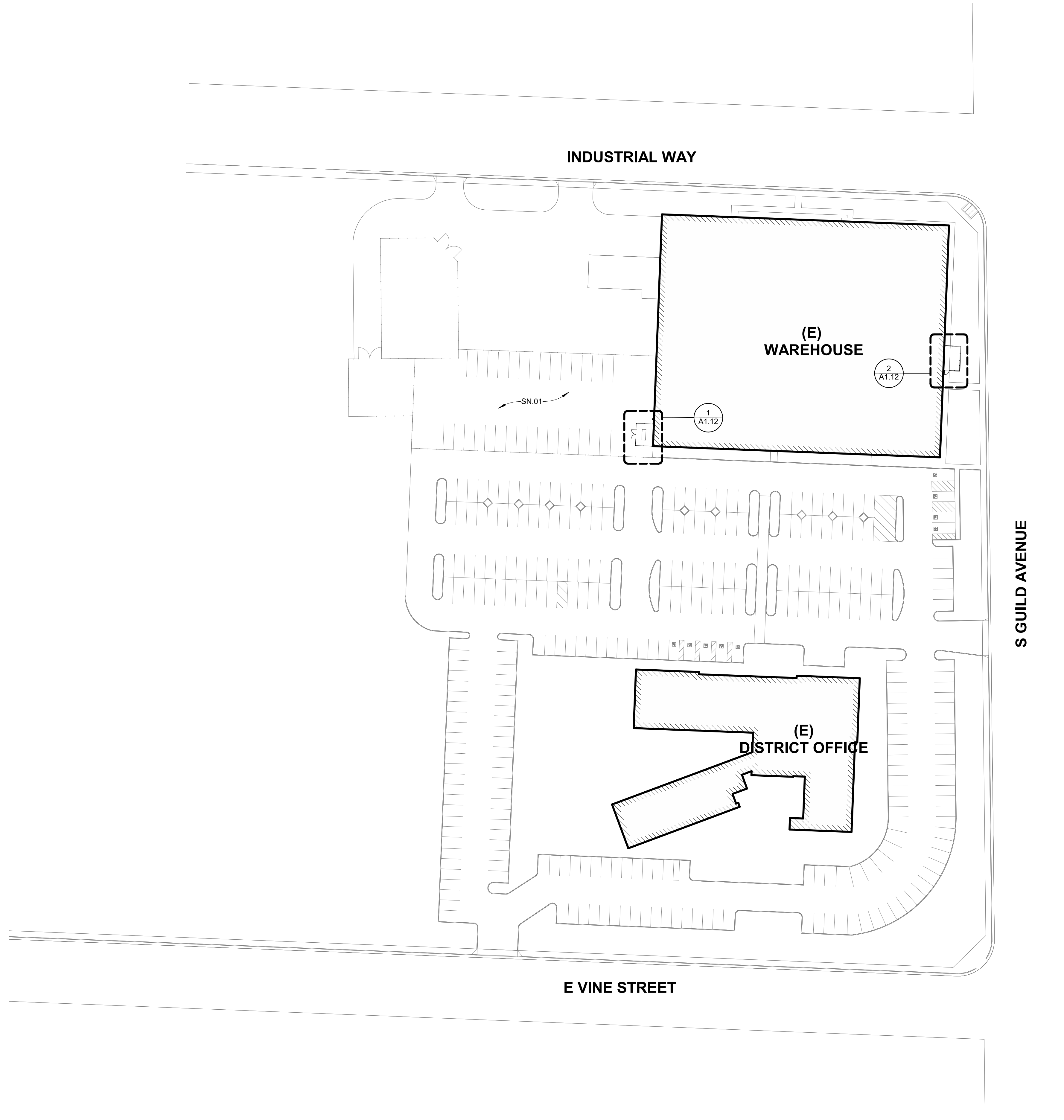
DATE: 06.03.2024	CLIENT PROJ NO: 3431008000
SHEET:	

SHEET

GO.10

Autodesk Docs: \\3431008000 - Lodi USD Warehouse Generator\\3431008000-A-USD-WHS-GENERATOR.rvt 10/11/2024 11:32:32 AM

THE LINE SHOWN ABOVE IS THE EXACT LOCATION OF THE SHEET ORIGIN PAGE SIZE



LEGEND

- PROPERTY LINE
- MATCH LINE
- UNIT DESIGNATION
- EXISTING BUILDINGS
- CHAIN LINK FENCE POSTS SHOWN ON PLANS ARE DIAGRAMATIC. POST SPACING REQUIREMENTS PER SPEC.

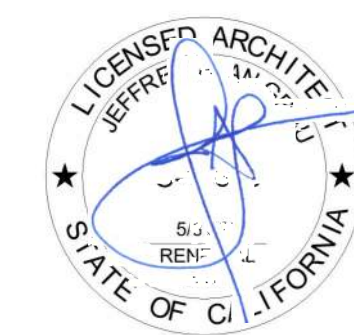
AGENCY APPROVAL:



HMC Architects

3431-008-000

2101 CAPITOL AVENUE, SUITE 100
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com



ISSUE

DESCRIPTION	DATE
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GENERAL NOTES

- REFER TO SHEET G0.10 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR UTILITY INFORMATION
- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION/REPAIR/REPLACEMENT OF ALL HARDSCAPE/PLANTING OUTSIDE OF LIMIT OF WORK LINE FOR CONNECTION OF UNDERGROUND UTILITIES. RECONFIGURE IRRIGATION TO MAINTAIN FUNCTIONING SYSTEM, COORDINATE WITH DISTRICT STAFF

SHEET NOTES

SN.01 EXISTING AC PAVING PARKING

FACILITY:
LODI USD WAREHOUSE
851 SOUTH GUILD AVENUE, LODI, CA, 95242

PROJECT:
LODI USD WAREHOUSE GENERATOR

SHEET NAME:
SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: 2024.06.03 CLIENT PROJ NO: 3431008000
SHEET:

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

PLEASE RECYCLE

A1.11

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	ABC	ABOVE CEILING
	AFF	ABOVE FINISHED FLOOR
	AF, BF	ABOVE FLOOR, BELOW FLOOR
	AD, AP	ACCESS DOOR, ACCESS PANEL
	BV	BALL VALVE
	BFF	BELOW FINISHED FLOOR
		BRANCH - TOP CONNECTION
		BRANCH - BOTTOM CONNECTION
		BRANCH - SIDE CONNECTION
	COP	CAP ON END OF PIPE
		CENTER LINE
	CO	CLEANOUT
	DN	DOWN
	DFU	DRAIN FIXTURE UNIT
	PCD	PUMPED CONDENSATE DRAIN
		DEGREES FAHRENHEIT
		DIAMETER, SQUARE (FEET)
		EXISTING TO BE REMOVED
	(E)	EXISTING TO REMAIN
	(E)	EXISTING TO BE ABANDONED, CAP WHERE SHOWN
	EJ	EXPANSION JOINT
	EW H	ELECTRIC WATER HEATER
		FINISHED FLOOR ELEVATION
	FU	FIXTURE UNIT
	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
		FLOW IN DIRECTION OF ARROW
	(FA), (TA)	FROM ABOVE, TO ABOVE
	(FB), (TB)	FROM BELOW, TO BELOW
	GSCK, PC	GAS COOK, PLUG COCK
	G	GAS - LOW PRESSURE
	GPR	GAS PRESSURE REGULATOR
	GM	GAS METER
		GAS SEISMIC VALVE
	GV	GATE VALVE
	GPM	GALLONS PER MINUTE
	GLV	GLOBE VALVE
	GCO	GRADE CLEANOUT, EXTERIOR
	IE or INV	INVERT ELEVATION
	LL	LONGEST LENGTH (GAS)
	MG	MEDIUM PRESSURE GAS
	(N), (E)	NEW, EXISTING
	(NTS)	NOT TO SCALE
	OH	OVERHEAD
	AN	PIPE ANCHOR
		PIPE GUIDE
		PIPE IN SLEEVE
		PITCH DOWN IN DIRECTION OF FLOW
	PT	PLUGGED TEE
	POC	POINT OF CONNECTION, NEW TO EXISTING
	PG	PRESSURE GAUGE
	(R), (D)	RISE, DROP
		RISER DOWN (ELBOW)
		RISER UP (ELBOW)
	R, D	RISE OR DROP
	SOV	SHUT OFF VALVE
	TYP	TYPICAL
	UN	UNION OR FLANGE
	UG	UNDERGROUND
		VALVE IN RISER (TYPE AS INDICATED OR NOTED)
	VB	VALVE IN VALVE BOX (VALVE TYPE SYMBOL AS REQUIRED FOR VALVE TYPE USED)

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON PRE-APPROVED INSTALLATION GUIDE (e.g., HCAI OPM FOR 2013 CBC OR LATER), 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 SYSTEMS. 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), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

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

MPD MD PD E ☐ OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PRE-APPROVAL (OPM #) # 0043-13
AS INCLUDED IN THESE DRAWINGS WITH PROJECT SPECIFIC NOTES & DETAILS.

TABLE 2.1 - GAS LOAD COMPUTATION - EXISTING & NEW

BUILDING	EQUIPMENT	EQUIPMENT DESCRIPTION	QTY	CFHEA	CFH TOTAL
WAREHOUSE	(E) UNITS	(E) GAS FIRED UNITS TO REMAIN	1.00	480	480.00
WAREHOUSE	(N)GENERATOR	(N) GAS FIRED ELECTRIC GENERATOR TO ADD	1.00	1280	1280.00
				TOTAL	1760.00
				LET TOTAL	2000.00

GAS PRESSURE REGULATOR SCHEDULE

UNIT	LOCATION	*MFR. MODEL NO. SIZE	MAX LOAD + GPR MAX (NBH)	MAX INDIVIDUAL LOAD (NBH)	MIN & MAX INLET PRESSURE	OUTLET PRESSURE	NOTES
	WAREHOUSE TO SERVE (E) FURNACES	MAXITROL 325-TAL 1 1/2" x 1 1/2"	480<1060	<1250	1 PSI MIN 2 PSI MAX	7"WC	1 2 3 4 5 6 7 8
	WAREHOUSE TO SERVE (N) GENERATOR	MAXITROL 325-9L 1 1/2" x 1 1/2"	1280<1960	1280<2250	1 PSI MIN 2 PSI MAX	11"WC	1 2 3 4 5 6 7 8

NOTES:

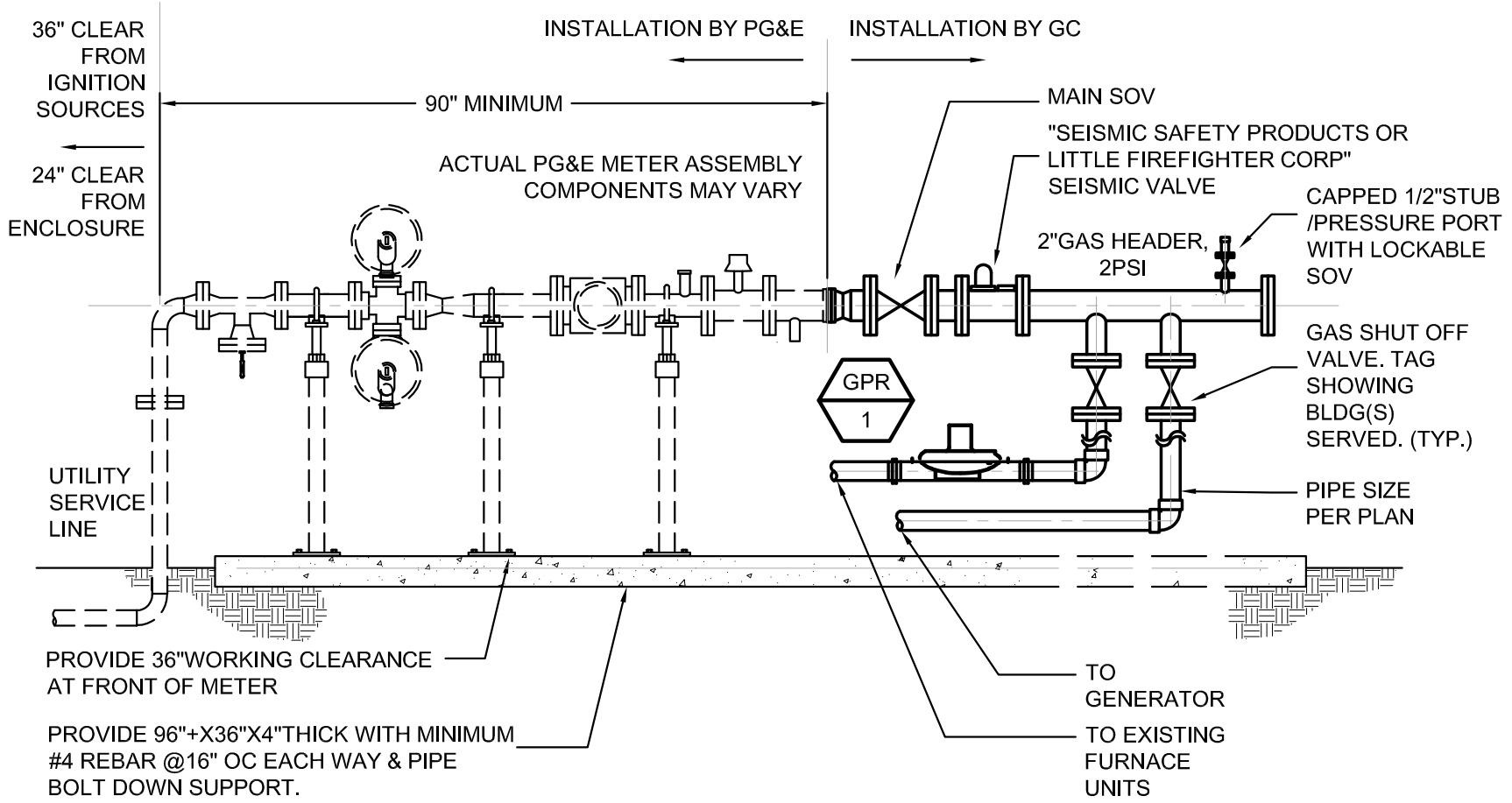
- ① FOR OUTDOOR INSTALLATION, PROVIDE MAXITROL, VEIL PROTECTOR ACCESSORY. PROVIDE MODEL WITH SUFFIX "B" IMBUE TECHNOLOGY FOR INCREASED CORROSION RESISTANCE IF LOCATED OUTDOORS OR IN CORROSIVE ENVIRONMENTS. VEIL LIMITER AND VEIL PROTECTION FOR MAXITROL 325-L SERIES ARE AVAILABLE FOR MODELS 325-3 THRU 325-9 ONLY.
- ② VERIFY MINIMUM AND MAXIMUM PRESSURE REQUIRED BY APPLIANCES TO BE SERVED PRIOR TO PROCUREMENT.
- ③ PROVIDE SOV ON BOTH SIDES OF GPR. GPR INLET & OUTLET SIZE SHALL BE EQUAL TO THE LARGER OF THE CONNECTING UPSTREAM OR DOWNSTREAM PIPE. SEE SITE PLAN/FLOOR PLANS FOR MORE INFORMATION.
- ④ PROVIDE PIPE LENGTH OF 10 TIMES THE PIPE DIAMETER BEFORE CHANGING DIRECTION DOWNSTREAM OF GPR. SEE GPR INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
- ⑤ PROVIDE 1/2" GAUGE PORT WITH SOV AT THE OUTLET SIDE OF THE GAS REGULATOR. PROVIDE CAP AND SEAL AIR TIGHT.
- ⑥ MINIMUM MBH CAPACITY ABOVE IS THE TOTAL MBH REQUIREMENT OF THE SYSTEM DOWNSTREAM OF THE GPR. ANY SUBSTITUTED PRODUCT SHALL BE ANSI Z21.80 CERTIFIED, AND SHALL BE WITHIN PARAMETERS SET FORTH ABOV. SIZE OF SUBSTITUTED REGULATOR SHALL BE SIMILAR TO SIZE OF THE OUTLET PIPE.
- ⑦ REGULATOR VEIL SHALL TERMINATE AT LEAST 3 FT FROM ANY SOURCE OF IGNITION. CPC 1208.8.4 (3)

PLUMBING GENERAL NOTES

3. 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 FURRINGS, 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 GAS SHUT-OFF VALVE, UNION AND DIRT LEG AT EACH GAS CONNECTION TO MECHANICAL EQUIPMENT.
7. PRIOR TO ANY SOLENOID VALVE, QUICK CLOSING VALVE, ETC. PROVIDE AND INSTALL SHOCK ABSORBER OF REQUIRED SIZE.
8. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL OF THE ENFORCING AGENCY.
9. OFFSET VENTS THRU ROOF 10 FEET MINIMUM FROM AIR INTAKES AND 4 FEET FROM OUTSIDE WALLS.
10. OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
11. FIELD VERIFY EXIST SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING OF ANY NEW WORK.
12. BUILDING SEWER, WATER AND STORM DRAIN RUN APPROXIMATELY 5' MIN. FROM BUILDING SHALL BE PER SPECIFICATIONS DIVISION 22 AND APPLIES TO UTILITIES IN THE BUILDING, UNDER THE BUILDING AND TO 5' OUTSIDE THE BUILDING. FOR PIPING BEYOND 5' OUTSIDE OF THE BUILDING, SPECIFICATIONS DIVISION 33 SHALL GOVERN.
13. ALL QUANTITIES SHOWN ON CALCULATION TABLES ARE STRICTLY INTENDED FOR DESIGN CALCULATIONS ONLY. IT SHALL NOT BE CONSTRUED THAT SUCH QUANTITIES CAN BE USED FOR BIDDING/ESTIMATION PURPOSES.
14. PROVIDE INSULATION ON ALL CONDENSATE DRAINS INSIDE BUILDING.
15. ANY MATERIAL REQUIRED FOR WORK NOT READILY AVAILABLE FOR PURCHASE SHALL HAVE LEAD TIME INFORMATION INDICATED ON THE SUBMITTALS. SUCCESSFUL PROCUREMENT OF ALL MATERIALS REQUIRED FOR THE COMPLETION OF WORK SHALL BE ASCERTAINED BY CONTRACTOR PRIOR TO SCHEDULING OF WORK.

FIRESTOPPING

1. PACK THE ANNULAR SPACE BETWEEN THE PIPE SLEEVES AND THE PIPE THROUGH ALL FLOORS AND WALLS WITH UL LISTED FIRE STOP, AND SEALED AT THE ENDS. ALL PIPE PENETRATIONS SHALL BE UL LISTED, HILTI, 3M PRO-SEAL, OR EQUAL.
 - A. INSTALL FIRE CAULKING BEHIND MECHANICAL SERVICES INSTALLED WITHIN FIRE RATED WALLS, TO MAINTAIN CONTINUOUS RATING OF WALL CONSTRUCTION.
2. PROVIDE SPECSEAL SYSTEMS UL FLOOR/CEILING COUPLING PENETRATORS FOR EACH PIPE PENETRATION OR FIXTURE OPENING PASSING THROUGH FLOORS, WALLS, PARTITIONS OR FLOOR/CEILING ASSEMBLIES. ALL PENETRATORS SHALL COMPLY WITH UL FIRE RESISTANCE DIRECTORY (LATEST EDITION), AND IN ACCORDANCE WITH CHAPTER 7, CBC REQUIREMENTS.
3. SLEEVE PENETRATORS SHALL HAVE A BUILT IN ANCHOR RING FOR WATERPROOFING AND ANCHORING INTO CONCRETE POURS OR USE THE SPECIAL FIT CORED HOLE PENETRATOR FOR CORED HOLES.
4. COPPER AND STEEL PIPING SHALL HAVE SPECSEAL PLUGS ON BOTH SIDES OF THE PENETRATOR TO REDUCE NOISE AND TO PROVIDE WATERPROOFING.
5. ALL ABOVE SYSTEMS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. ALTERNATE FIRESTOPPING SYSTEMS ARE ACCEPTABLE IF APPROVED EQUAL. HOWEVER, ANY DEVIATION FROM THE ABOVE SPECIFICATION REQUIRES THE CONTRACTOR TO BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE PROPOSED PRODUCTS AND THEIR INTENDED USE, AND THE CONTRACTOR SHALL ASSUME ALL RISKS AND LIABILITIES WHATSOEVER IN CONNECTION THEREWITH.



NOTES:

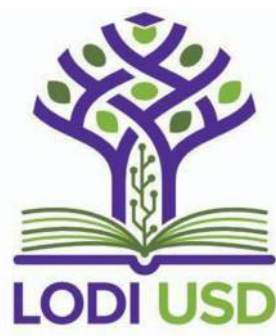
1. GAS METER ASSEMBLY BY PG&E. EXACT ASSEMBLY CONFIGURATION MAY VARY. COORDINATE ASSEMBLY REQUIREMENTS AND WITH PG&E. COORDINATE WORK AND SCHEDULE OF WORK WITH PG&E AND SCHOOL DISTRICT.
2. PRIME AND PAINT ALL EXPOSED NON-PG&E GAS PIPING WITHIN GAS METER ENCLOSURE TO MATCH PG&E METER COLOR.
3. PROVIDE FULLY ENCLOSED DOUBLE GATED GAS METER FENCE ENCLOSURE. SEE PG&E GREENBOOK FOR MORE INFO.

5M OR 7M ROTARY GAS METER PER PG&E GREEN BOOK

GAS METER ASSEMBLY (1401-3000CFH)

SCALE : NONE

**AGENCY
APPROVAL:**



HMC Architects

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916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
1	CITY BACKCHECK #1	10/14/24

GENERAL NOTES

SHEET NOTES



RANCHO CORDOVA, CALIFORNIA

MM - JSV	230922
PM - DESIGN TEAM	PROJECT NO.

FACILITY:
LODI UDS WAREHOUSE
851 SOUTH GUILD AVENUE, LODI, CA, 95242

PROJECT:
LODI USD WAREHOUSE GENERATOR

SHEET NAME:
PLUMBING NOTES, LEGEND & ABBREVIATIONS

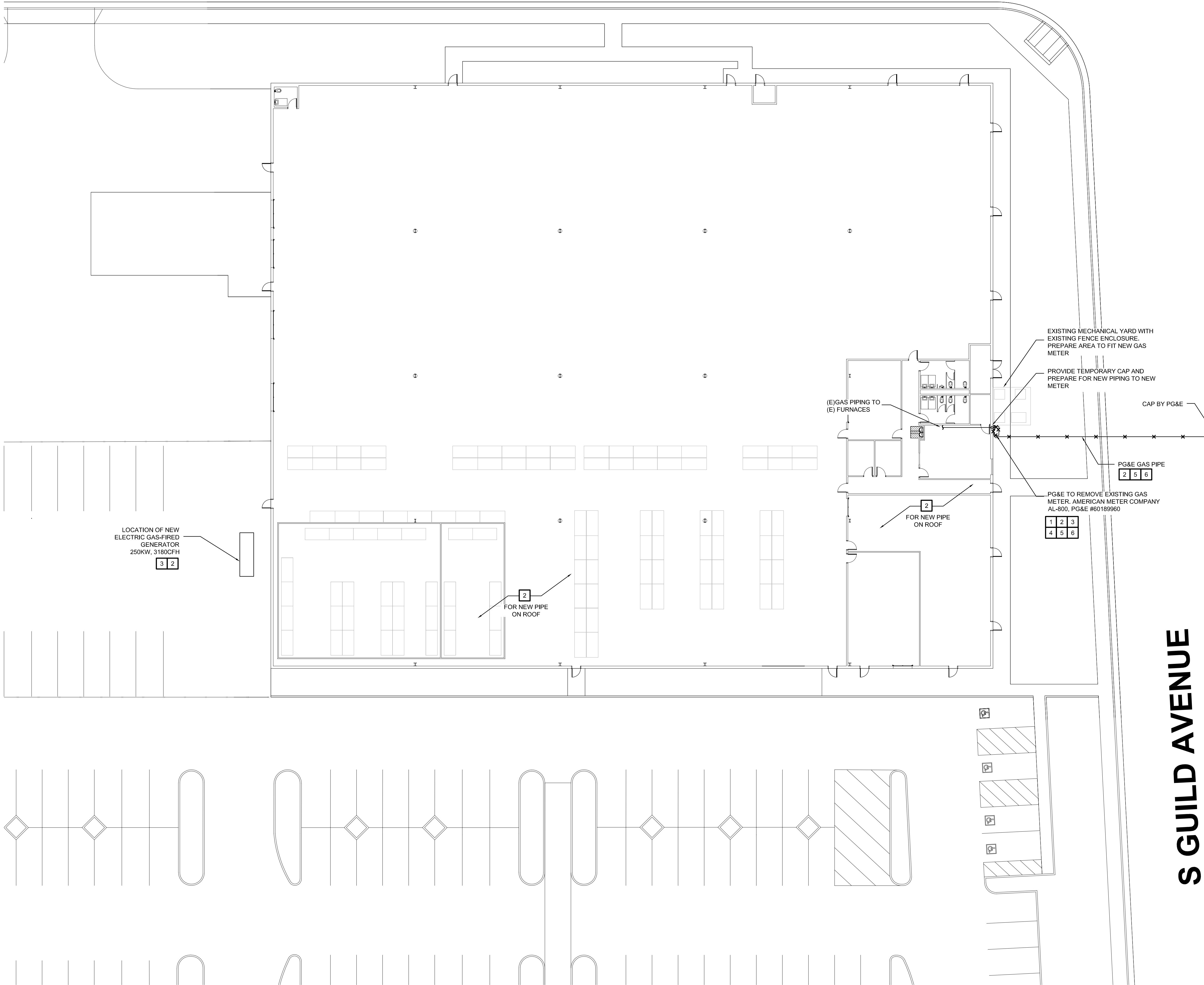
CONSTRUCTION DOCUMENTS

DATE: 2024.04.26	CLIENT PROJ NO: 3431008006
SHEET:	

P0.1

Autodesk Docs: 73431008000 - Lodi USD Warehouse Generator/73431008000-AUSD-WHS-GENERATOR.rvt
Facility: Lodi USD Warehouse Generator/73431008000-AUSD-WHS-GENERATOR.rvt
Sheet: 10/14/24
Date: 10/14/24
Author: J. Cordova
Title: PLUMBING SITE DEMOLITION PLAN
Scale: 1/16" = 1'-0"

INDUSTRIAL WAY



PLUMBING SITE DEMOLITION PLAN

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

1
P1.0



DEMOLITION SHEET NOTES:

- EXISTING PLUMBING LAYOUT ARE BASED FROM AVAILABLE RECORD DRAWINGS OF UNKNOWN ACCURACY. ACTUAL CONDITIONS MAY BE DIFFERENT ESPECIALLY FOR THOSE WITHIN CONCEALED SPACES AND/OR UNDERGROUND. CONTRACTOR SHALL INVESTIGATE EXISTING PIPE ROUTE, ELEVATION, SIZE AND CONDITION, THRU VISUAL OBSERVATIONS, POT-HOLING, RADAR INSPECTION OR OTHER MEANS NECESSARY TO COMPLETE WORK. WELL AHEAD OF NEW PIPE INSTALLATION. SCHEDULE WORK ACCORDINGLY TO PROVIDE ENOUGH TIME TO FIND SOLUTIONS SHOULD VERIFIED INFORMATION BE DIFFERENT FROM HEREWITH. REFLECT ALL FINDINGS ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES, AND ON AS-BUILT DRAWINGS.
- SITE PLAN INTENDED TO SHOW SITE GAS SYSTEM ONLY. REFER TO CIVIL DRAWINGS, LANDSCAPE, ELECTRICAL & ALL OTHER DISCIPLINE DRAWINGS WITH SITE PLAN FOR ANY AND OTHER UTILITIES AT SITE. COORDINATE EXACT ROUTE THRU SHOP DRAWINGS AMONGST TRADES CONCERNED AT SITE.
- PROVIDE TEMPORARY UTILITIES TO ALL FIXTURES & EQUIPMENT TO REMAIN IN SERVICE DURING CONSTRUCTION PERIOD.
- COORDINATE CONSTRUCTION WORK AND SCHEDULE OF WORK WITH SCHOOL DISTRICT. CONTRACTOR SHALL INCLUDE IN BID MEANS AND/OR METHODS REQUIRED FOR THE WORK INCLUDING ANY REQUIRED SERVICE SHUT DOWNS, TEMPORARY LINES, ROAD CLOSURES, SPECIAL INSPECTIONS, ETC. TO ACCOMPLISH SCOPE. SCHEDULING OF WORK SHALL BE AMICABLE BETWEEN OWNER AND CONTRACTOR.
- SEE GEOTECH REPORT FOR TRENCHING REQUIREMENTS, GROUND WATER ELEVATION, PIPE CORROSION, OTHER SOILS INFORMATION AND OTHER INSTALLATION REQUIREMENTS OR GUIDELINES.
- COORDINATE SITE PIPING ELEVATIONS AND EXACT LOCATIONS AMONGST TRADES THRU SHOP DRAWINGS PRIOR TO ANY INSTALLATION.
- WHEN CONNECTING TO EXISTING UTILITIES, CONTRACTOR TO ENSURE THAT THE EXISTING PIPE IS ACTIVE PRIOR TO CONNECTION. FIELD VERIFY AT SITE. FOR DRAINS LINES, USE PIPE CAMERA. REPORT BACK FOR ANY ISSUES.
- SHOULD EXISTING PIPE FOUND BE SMALLER THAN WHAT IS SHOWN ON PLANS. FIELD VERIFY LOCATION OF CLOSEST LARGEST PIPE UPSTREAM FOR SUPPLY PIPING, AND CLOSEST LARGEST PIPE DOWNSTREAM FOR DRAIN PIPING. REFLECT ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES.

DEMOLITION KEYNOTES:

- VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPE. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION. REFLECT ON AS-BUILT DRAWING IF DIFFERENT FROM HEREWITH.
- VERIFY EXACT LOCATION OF ALL BUILDING COMPONENTS THAT MAY OBSTRUCT PATH OF NEW PIPING. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES PRIOR TO ANY INSTALLATION. PREPARE AREA FOR NEW WORK. DO NOT PROCEED WITH NEW WORK IF PATH FOR NEW PIPE IS NOT ESTABLISHED AND IF CONNECTION TO EXISTING UTILITIES ARE NOT FEASIBLE.
- ENSURE ALL CONDITIONS AFFECTING WORK, SUCH AS VERIFICATION OF EXISTING COMPONENTS BY OTHERS, IF ANY, ARE WELL COORDINATED AMONGST TRADES PRIOR TO ANY INSTALLATION OR FABRICATION WORK. ADJUST PIPE ROUTE IF NEEDED. REFLECT ON AS-BUILTS IF DIFFERENT FROM HEREWITH.
- MEASURE AND PREPARE AREA FOR NEW PLUMBING COMPONENTS TO BE INSTALLED IN WORK AREA.
- (E) PG&E METER & EXISTING PG&E GAS LINE TO REMAIN UNTIL A GAS SUPPLY SYSTEM, TEMPORARY OR OTHERWISE, IS AVAILABLE AND READY TO SERVICE ALL EXISTING GAS CONSUMING APPLIANCES TO REMAIN IN OPERATION DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WORK AND SCHEDULE OF WORK WITH SCHOOL DISTRICT AND PG&E. PG&E SHALL REMOVE GAS METER & ASSOCIATED PG&E GAS PIPING WHEN NO LONGER IN USE. PG&E SHALL CAP ANY UNUSED INACTIVE PG&E GAS PIPING OUTSIDE OF THE SCHOOL DISTRICT PROPERTY. CONTRACTOR TO COORDINATE CAP LOCATION WITH PG&E AND REFLECT ON AS-BUILT DRAWING.
- REMOVAL AND CAPPING OF EXISTING PG&E GAS PIPE SHALL BE BY PG&E. CONTRACTOR SHALL COORDINATE LOCATION, ROUTE, REQUIREMENTS & SCHEDULE OF WORK WITH PG&E. CONTRACTOR SHALL PROVIDE ANY PAVEMENT DEMOLITION, EXCAVATION, BEDDING, BACKFILL AND COMPACTION NECESSARY FOR THE REMOVAL OF SUCH PG&E GAS PIPING TO GAS METER. CONTRACTOR SHALL PATCH BACK REMOVED PAVEMENT OR RESTORE LANDSCAPE TO MATCH SURROUNDING FINISH. CONTRACTOR SHALL INCLUDE IN THEIR BID ANY TRAFFIC CONTROL PLAN, PREPARATION AND PAYMENT OF ANY PERMITS SUCH AS ENCROACHMENT PERMITS, REQUIRED FOR THE COMPLETION OF WORK. CONTRACTOR SHALL HAVE PROPER CITY, IF ANY, AND PG&E APPROVED QUALIFICATIONS WHEN PROVIDING TRENCH WORK FOR THE DEMOLITION OR INSTALLATION OF ANY PG&E GAS PIPING. SEE SPECIFICATIONS AND PG&E ELECTRIC AND GAS SERVICE REQUIREMENTS (GREENBOOK) FOR MORE INFORMATION.

AGENCY APPROVAL:



HMC Architects

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ISSUE

Δ	DESCRIPTION	DATE
1	CITY BACKCHECK #1	10/14/24

GENERAL NOTES

SHEET NOTES



RANCHO CORDOVA, CALIFORNIA
MM - JSV 230922
PM - DESIGN TEAM PROJECT NO.

FACILITY:
LODI USD WAREHOUSE
851 SOUTH GUILD AVENUE, LODI, CA, 95242

PROJECT:
LODI USD WAREHOUSE GENERATOR

SHEET NAME:
PLUMBING SITE DEMOLITION PLAN

CONSTRUCTION DOCUMENTS

DATE: 2024.04.26 CLIENT PROJ NO: 3431008000
SHEET:

P1.0

PLEASE RECYCLE

S GUILD AVENUE

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

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P1.1



1. ANY MATERIAL REQUIRED FOR WORK NOT READILY AVAILABLE FOR PURCHASE SHALL HAVE LEAD TIME INDICATED ON THE BID AND ON MEANS AND METHODS, SUBMITTALS AND SCHEDULE. ALL MATERIALS REQUIRED FOR THE COMPLETION OF WORK SHALL BE ASCERTAINED BY CONTRACTOR PRIOR TO SCHEDULING OF WORK.
2. EXISTING PLUMBING LAYOUT ARE BASED FROM AVAILABLE RECORD DRAWINGS OF UNKNOWN ACCURACY. ACTUAL CONDITIONS MAY BE DIFFERENT ESPECIALLY FOR THOSE WITHIN CONCEALED SPACES AND UNDERGROUND. CONTRACTOR SHALL VERIFY THE EXISTING AND EXISTING PIPE ROUTE, ELEVATION, SIZE AND CONDITION, THRU VISUAL OBSERVATIONS, PORT-HOLDING, RADAR INSPECTION OR OTHER AVAILABLE APPROPRIATE MEANS. UPON RECEIPT OF NEW PIPING INSTALLATION, SCHEDULE WORK ACCORDINGLY TO PROVIDE ENOUGH TIME TO FIND SOLUTIONS SHOULD VERIFIED INFORMATION DIFFER FROM THAT SHOWN ON RECORD DRAWINGS. PROVIDE PIPING DRAWINGS FOR COORDINATION AMONGST TRADES, AND ON AS-BUILT DRAWINGS.
3. SHOULD EXISTING PIPE FOUND BE SMALLER THAN WHAT IS SHOWN ON PLANS, FIELD VERIFY LOCATION OF CLOSEST LARGEST PIPE UPSTREAM FOR SUPPLY OF PIPING. LOCATE CLOSEST LARGEST PIPE DOWNSTREAM WITH SUFFICIENT DEPTH FOR DRIPPING. REFLECT ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES.
4. CONTRACTOR SHALL PREPARE AND MAINTAIN AS-BUILT DRAWINGS OF ALL PLUMBING SYSTEMS AS INSTALLED AT THE JOB SITE, DRAINLY, BY CONTRACTOR UNDER THE DESIGN PLANS. THEY SHALL BE, READILY AVAILABLE TO VIEW AS REQUESTED BY THE OWNER, PROJECT ARCHITECT, INSPECTOR, ENGINEER OR OWNER. AS-BUILT SHALL CLEARLY SHOW CHANGES, REVISIONS, CLARIFICATIONS & SUBSTITUTIONS AND REFLECT THE FINAL AS-BUILT. UPON REQUEST, CONTRACTOR SHALL PROVIDE THE FINAL AS-BUILT DRAWINGS TO THE OWNER. CONTRACTOR SHALL EXACT PIPE ROUTE ESPECIALLY THOSE CONCEALED AND/OR UNDERGROUND, UNDERGROUND PIPE ELEVATIONS, PIPE SIZES, DRAINAGE FROM MAINS TO THE PROPERTY, AND THE LOCATION OF ANY RFI/CUT/AS-BUILT TAG AS REFERENCE TO WHERE CHANGES OCCURRED FROM IF ANY, AND ANY INFORMATION THAT MAY CLARIFY HOW SYSTEMS & COMPONENTS HAD BEEN INSTALLED OR HOW IT DIFFERS FROM THE ORIGINAL DESIGN PLANS. AS-BUILT DRAWINGS PROVIDED ALONE SHALL NOT CONSTITUTE COMPLETE AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE IN HARD COPY AND DIGITAL (PDF) FORM. THE RESULTS AND FINDINGS OF THE VISUAL INSPECTION, FIELD REQUIREMENTS FOR MAINTENANCE UPKEEP AND FOR USE AS BASIS FOR POSSIBLE FUTURE CONSTRUCTION IMPROVEMENTS WHERE SUCH INFORMATION RELIES ON CONTRACTOR SHALL PROVIDE "AS-BUILT" TAG AND CONTRACTOR INFORMATION ON ALL AS-BUILT SHEETS.
5. FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AT SITE, REROUTE ANY PIPING THAT MAY CONFLICT WITH NEW CONSTRUCTION. COORDINATE AMONGST TRADES.
6. ALL EXISTING UTILITIES TO REMAIN SHALL BE IN OPERATION DURING THE COURSE OF CONSTRUCTION. PROVIDE TEMPORARY VALVES, PIPING, FITTINGS, GAS METERS, SLOW DOWN DEVICES, ETC., AND ANY TEMPORARY STRUCTURE THAT MAY BE REQUIRED FOR THE INSTALLATION OF TEMPORARY FACILITIES.
7. COORDINATE CONSTRUCTION WORK AND SCHEDULE OF WORK WITH SCHOOL DISTRICT. CONTRACTOR SHALL INCLUDE IN BID MEANS AND METHODS REQUIRED FOR THE WORK. WORKING UNDERGROUND REQUIRED SERVICE SHUT DOWNS, TEMPORARY LINES, ROAD CLOSURES, SPECIAL INSPECTIONS, ETC. TO ACCOMPLISH SCOPE. SCHEDULING OF WORK SHALL BE AMICABLE BETWEEN OWNER AND CONTRACTOR.
8. PROVIDE SLEEVES ON ANY GAS PIPING RUNNING UNDERGROUND BENEATH ANY SHADE STRUCTURE WITH INTEGRAL SLAB. SEE STRUCTURAL DRAWINGS AND GEO-TECHNICAL REPORT IF ANY. FOR TRENCING BETWEEN/AROUND STRUCTURES'S FOUNDATION.
9. CONTRACTOR SHALL FOLLOW GENERAL PIPE ROUTE AND VALVE LOCATIONS, AND GENERAL ORDER OF SYSTEM COMPONENTS SHOWN ON PLANS, AND ADJUST PIPE ROUTE AND WORKING UNDERGROUND STRUCTURAL COMPONENTS & OTHER BUILDING COMPONENTS WHEN POSSIBLE, IF NECESSARY & IF AMICABLE BETWEEN TRADES. COORDINATE ALL SHOP DRAWINGS AND WORKING UNDERGROUND DRAWINGS TO ANY PIPE FABRICATION OR INSTALLATION.

GAS PIPE TABLE 1215.2(4) INLET PRESSURE ≥2PSI, 1.0 PSI DROP, SFGOR 0.60, NATURAL GAS			GAS PIPE TABLE 1215.2(1) INLET PRESSURE <2PSI, 0.5 IN WC DROP, SFGOR 0.60, NATURAL GAS		
CAPACITY IN CFH			CAPACITY IN CFH		
PIPE SIZE	<500FT		PIPE SIZE	<50FT	<500FT
1/2"	192		1/2"	72	21
3/4"	401		3/4"	151	43
1"	717		1"	284	82
1 1/4"	1470		1 1/4"	583	168
1 1/2"	2210		1 1/2"	873	251
2"	4250		2"	1680	484
2 1/2"	6770		2 1/2"	2680	771
3"	12,400		3"	4740	1360
4"	24,200		4"	9660	2780
			6"	17,500	8150

VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPE. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION. REFLECT ON AS-BUILT DRAWING IF DIFFERENT FROM HEREIN.

VERIFY EXACT LOCATION OF ALL BUILDING COMPONENTS THAT MAY OBSTRUCT OR BE NEAR EXISTING OR NEW EXPOSED UTILITIES. COORDINATE SHOP DRAWINGS FOR COORDINATION AMONGST TRADES PRIOR TO ANY INSTALLATION. PREPARE AREA FOR NEW WORK. DO NOT PROCEED WITH WORK UNTIL PATH FOR NEW PIPE IS IDENTIFIED AND IF CONNECTION TO EXISTING UTILITIES ARE NOT FEASIBLE.

ENSURE ALL CONDITIONS AFFECTING WORK, SUCH AS VERIFICATION OF EXISTING CONDITIONS BY OTHERS, IF ANY, ARE WELL COORDINATED AMONGST TRADES PRIOR TO ANY INSTALLATION OR FABRICATION WORK. ADJUST PIPE ROUTE IF NEEDED. REFLECT ON AS-BUILTS IF DIFFERENT FROM HEREIN.

(E) PG&E METER & EXISTING PG&E GAS LINE TO REMAIN UNTIL A GAS SUPPLY MAIN, TEMPORARY OR OTHERWISE, IS AVAILABLE AND READY TO SERVICE ALL EXISTING GAS CONSUMING APPLIANCES TO REMAIN IN OPERATION DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH PG&E TO DETERMINE LOCATION OF EXISTING GAS METER. PG&E SHALL REMOVE GAS METER & ASSOCIATED PG&E GAS PIPING WHEN NO LONGER IN USE. PG&E SHALL CAP ANY UNUSED INACTIVE PG&E GAS PIPING OUTSIDE OF THE SCHOOL DISTRICT PROPERTY. CONTRACTOR TO COORDINATE LOCATION WITH PG&E AND REFLECT ON AS-BUILT DRAWING.

PG&E GAS PIPE SHALL BE INSTALLED BY PG&E. EXACT ROUTE SHALL BE DETERMINED BY PG&E. COORDINATE LOCATION, ROUTE, REQUIREMENTS & SCHEDULE OF WORK WITH PG&E. CONTRACTOR SHALL PROVIDE ANY NECESSARY LOGISTICS, ACCESS, AND/OR BARRIERS, SAFETY, AND/OR PROTECTION NECESSARY FOR THE INSTALLATION OF NEW PG&E GAS PIPING TO GAS METER. CONTRACTOR SHALL PATCH BACK REMOVED EXISTING DRIVE SURFACES AND REPAIR ANY DAMAGE TO DRIVE SURFACES. CONTRACTOR SHALL INCLUDE IN THEIR BID ANY TRAFFIC CONTROL, PREPARATION AND PAYMENT OF ANY PERMITS SUCH AS ENCROACHMENT PERMITS, IF REQUIRED FOR THE COMPLETION OF WORK. CONTRACTOR SHALL PROVIDE ALL NECESSARY LOGISTICS AND PROTECTION FOR ANY EXISTING TRENCH WORK FOR THE INSTALLATION OF ANY PG&E GAS PIPING.

PRIME AND PAINT ALL EXPOSED GAS PIPING TO MATCH ARCHITECTURAL FINISH. CONTRACTOR SHALL NOT PAINT OVER TAGS OR LABELS THAT WOULD BECOME UNREADABLE IF PAINTED OVER.

PROVIDE CLEARANCES PER MANUFACTURER RECOMMENDATIONS, AND READY TO INSTALL PIPELINE WITHIN WORKING CLEARANCES. PROVIDE AND INSTALL EGRESS EQUIPMENT ON EACH FLOOR FOR EGRESS. CONSULT INSTALLATION INSTRUCTIONS FOR PIPE PANEL LOCATIONS. COORDINATE SHOP DRAWINGS PRIOR TO INSTALLATION. ALL PLUMBING COMPONENTS SHALL BE INSTALLED WITHIN THE WORKING CLEARANCES. ALL PLUMBING COMPONENT SHALL PROTRUDE OUT ENCROACHING PERSONNEL PATH, PATH OF TRAVEL OR WITHIN ANY AREA RESERVED FOR SERVICE CLEARANCE OF ACCESS WITHIN AREA. COORDINATE ALL SHOP DRAWINGS PRIOR TO ANY INSTALLATION.



3431-008-000

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Δ	DESCRIPTION	DATE
1	CITY BACKCHECK #1	10/14/24

GENERAL NOTES

SHEET NOTES



FACILITY:
LODI UDS WAREHOUSE
851 SOUTH GUILD AVENUE, LODI, CA, 95242

PROJECT:
LODI USD WAREHOUSE GENERATOR

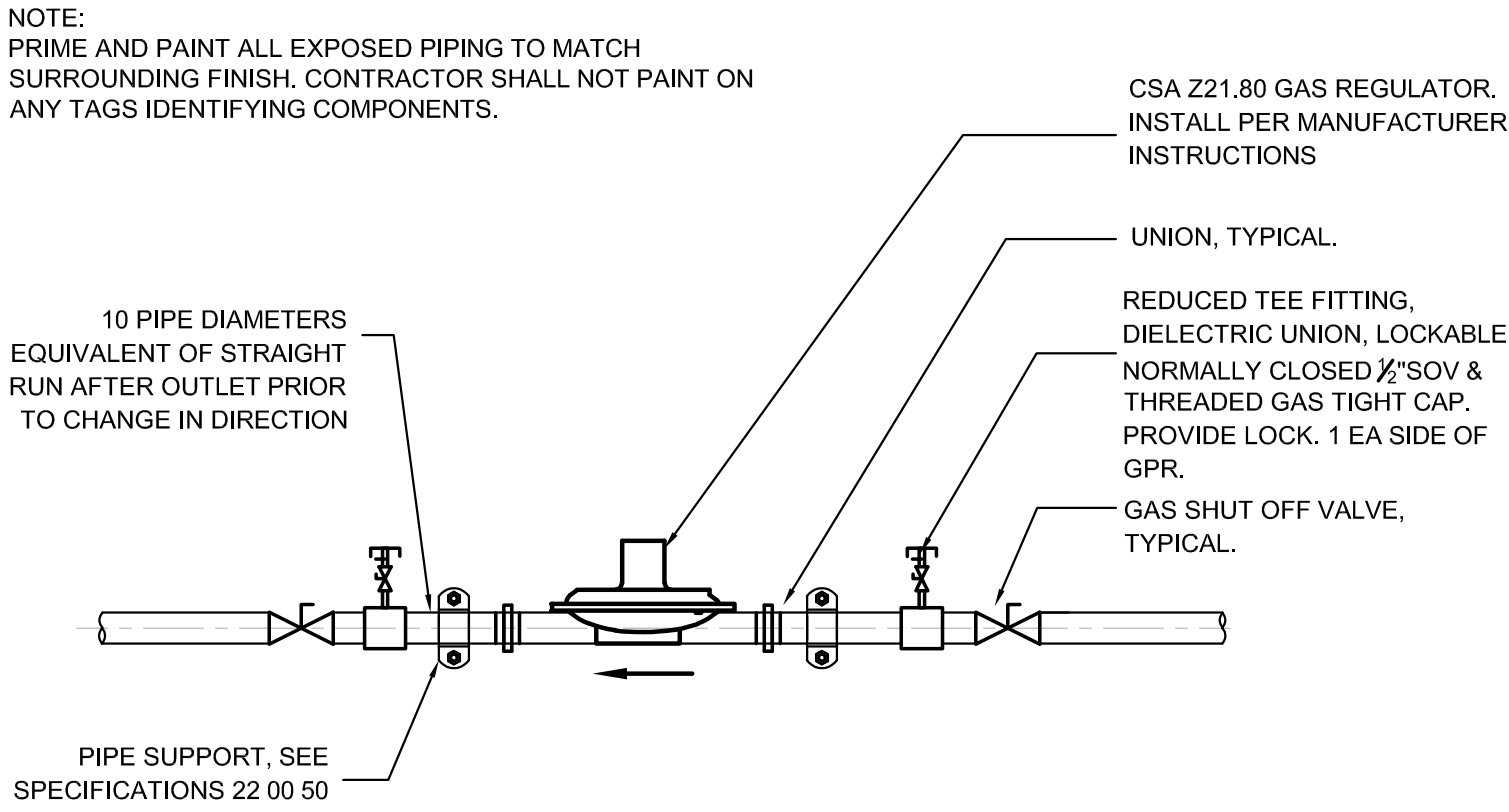
SHEET NAME:
PLUMBING SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: 2024.04.26	CLIENT PROJ NO: 3431008006
SHEET:	

P1.1

Autodesk Docs:7/3431008000 - Lodi USD Warehouse Generator/3431008000-AUSD-WHS-GENERATOR.rvt
Facility: Lodi USD Warehouse Generator/3431008000-AUSD-WHS-GENERATOR.rvt
Sheet: 10/14/24 11:03 AM - J. Cordova
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SEE INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
PROVIDE TRAINING ON GPR MAINTENANCE.

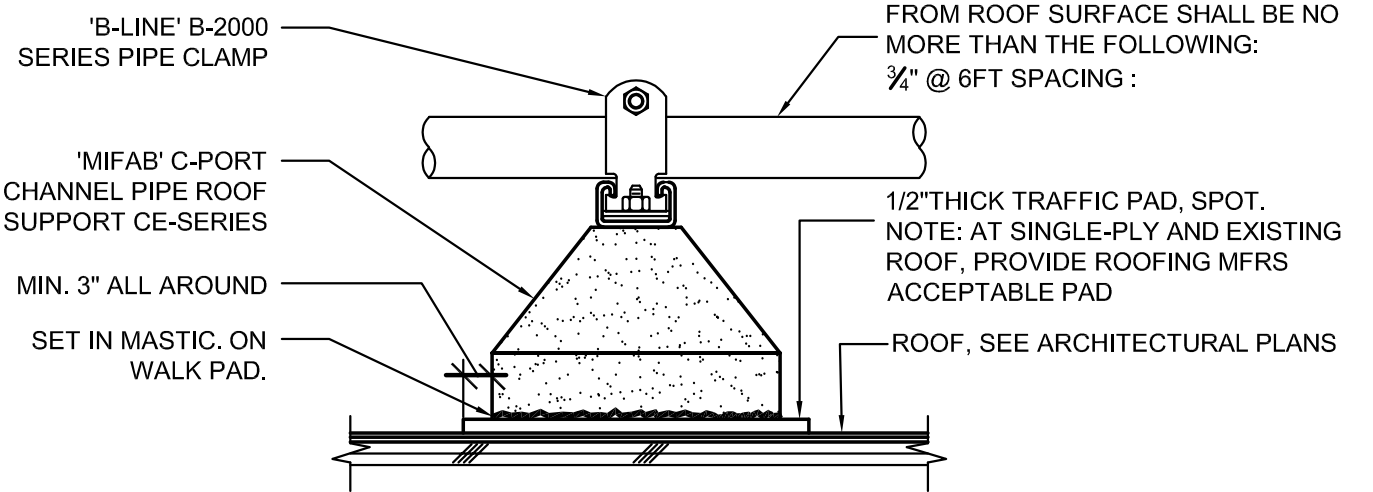
GAS REGULATOR DETAIL

SCALE : NONE

3
P5.1

CPC 2022 TABLE 1202.2.41
SPACING OF SUPPORTS IN GAS PIPING

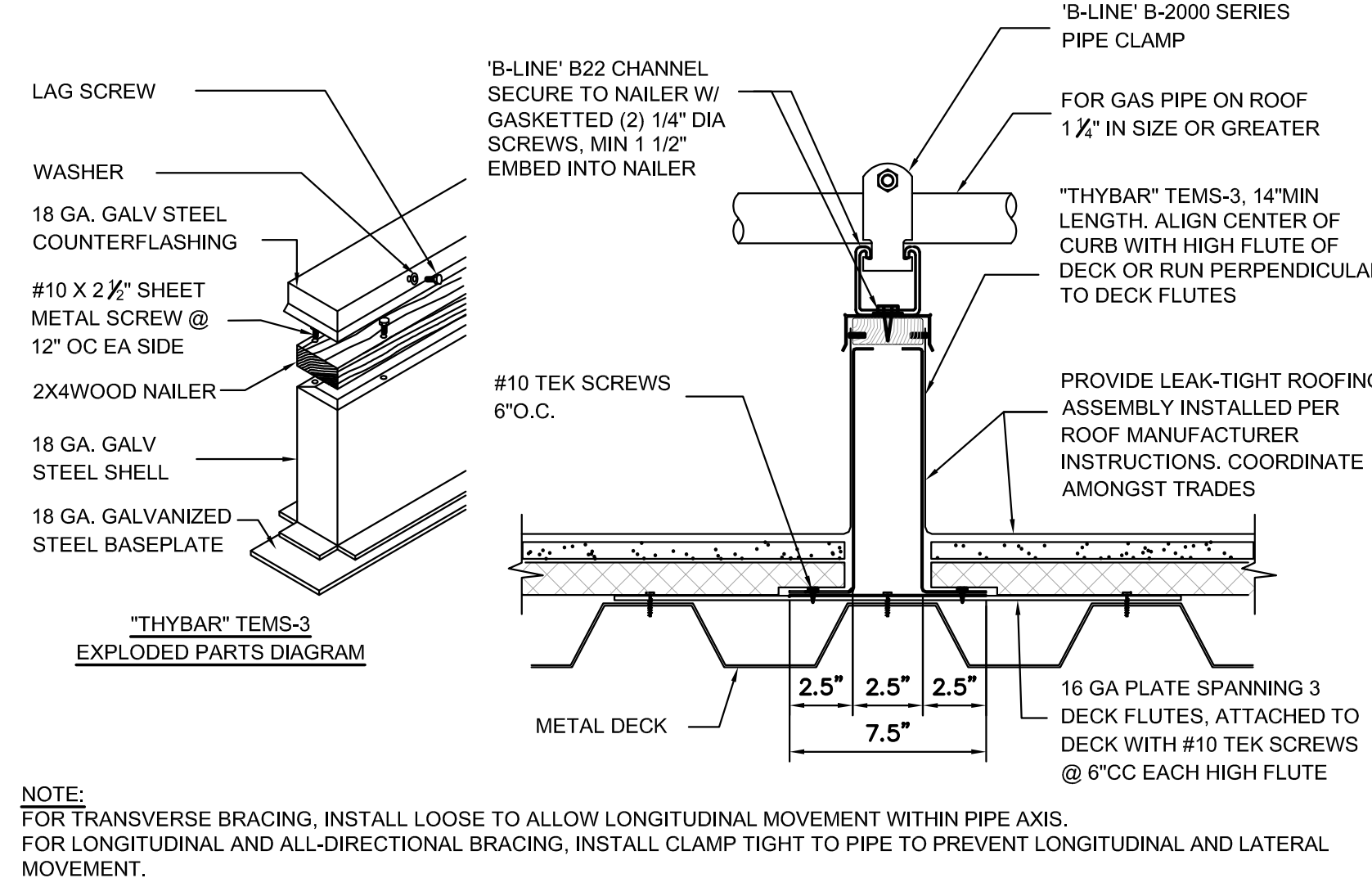
STEEL PIPE, NOMINAL SIZE OF PIPE (IN.)	SPACING OF SUPPORTS (FT.)	NOMINAL SIZE OF TUBING SMOOTH-WALL (IN. O.D.)	SPACING OF SUPPORTS (FT.)
1/2	6	1/2	4
3/4 OR 1	8	5/8 OR 3/4	6
1 1/4 OR LARGER (HORZ.)	10	7/8 OR 1 (HORZ.)	8
1 1/4 OR LARGER (VERT.)	EVERY FLOOR LEVEL	1 OR LARGER (VERT.)	EVERY FLOOR LEVEL



NON-SEISMIC PIPE SUPPORT ON ROOF

SCALE : NONE

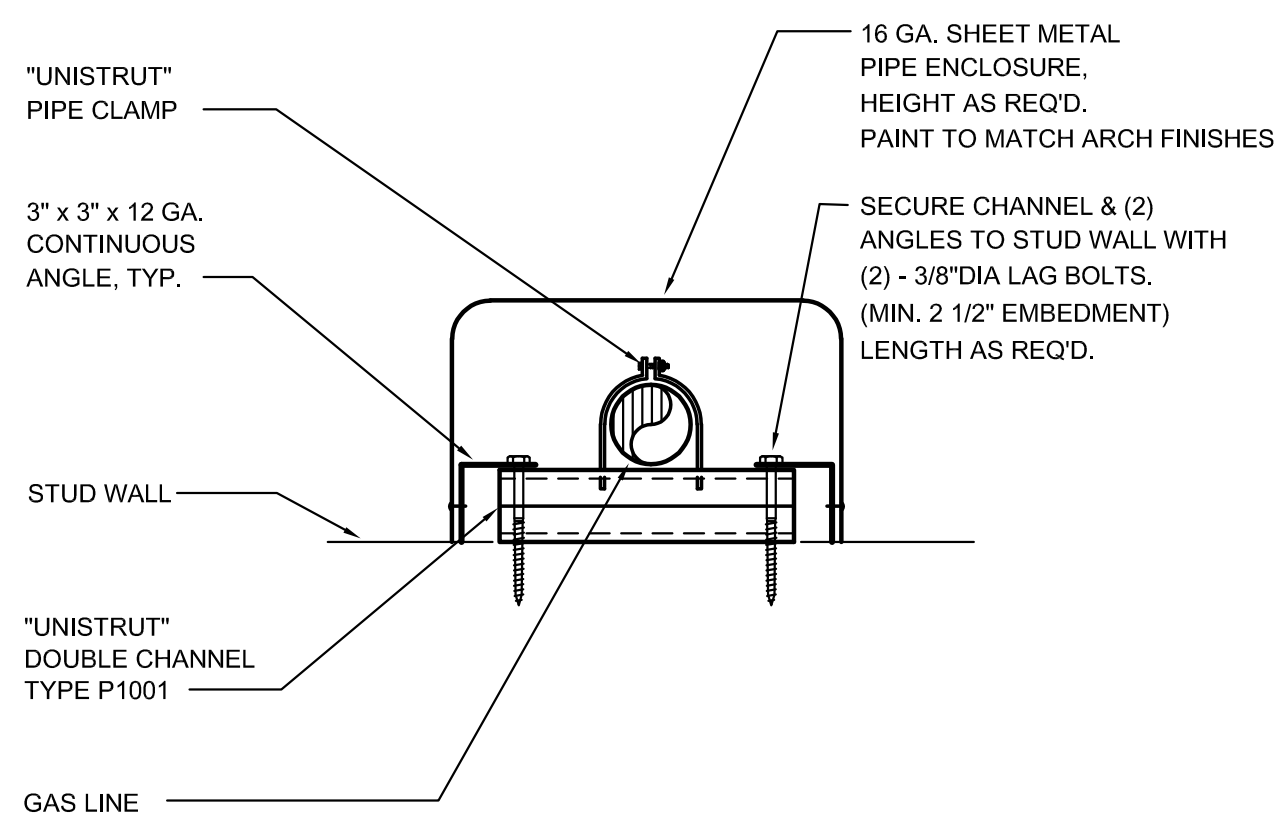
2
P5.1



SEISMIC PIPE SUPPORT ON METAL DECK

SCALE : NONE

1
P5.1



GAS PIPING ON EXTERIOR WALL

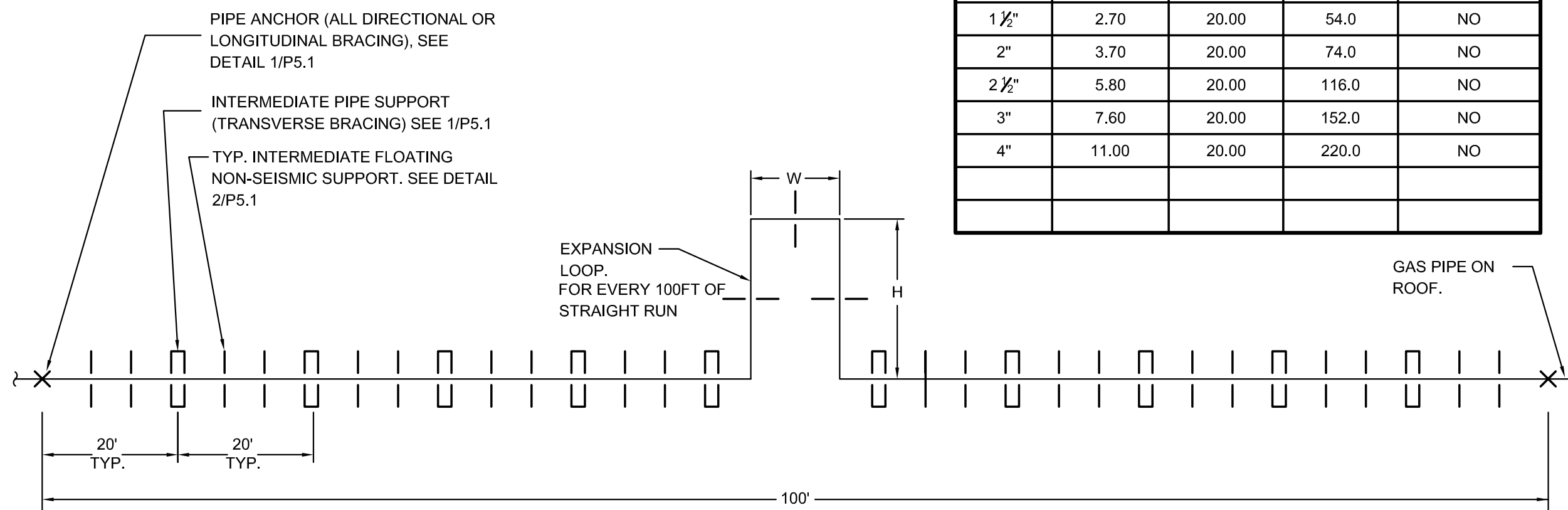
SCALE : NONE

5
P5.1

EXPANSION LOOP SIZE

PIPE SIZE	W	H
1 1/2" TO 2"	2 FEET	4 FEET
2 1/2" TO 6"	3 FEET	6 FEET

$\Delta L = \Delta L_o(T2-T1)$; $\Delta_{STEEL} = 6.33 \times 10^{-6} \text{ IN/IN}^{\circ}\text{F}$



NOTES:

- UNLESS NOTED OTHERWISE, PROVIDE SEISMIC BRACING ON ALL GAS PIPING LARGER THAN 1" IN DIAMETER. FOR COMPLETE INFORMATION, SEE 2022 CBC SECTION 1617A.1.26.
- GAS PIPING INTERMEDIATE (TRANSVERSE) PIPE SUPPORTS SHALL BE SPACED AT 20' ON CENTER.
- INTERMEDIATE FLOATING (NON-SEISMIC) SUPPORTS SHALL BE SPACED BETWEEN INTERMEDIATE PIPE SUPPORTS WITH SPACING AS REQUIRED TO MEET THE MINIMUM PIPE SPACING REQUIREMENTS OF SPECIFICATION SECTION 220050.
- INTERMEDIATE SUPPORTS AND INTERMEDIATE FLOATING SUPPORTS SHALL HAVE PIPE CLAMPS INSTALLED LOOSE AROUND PIPE TO ALLOW LONGITUDINAL MOVEMENT OF THE PIPE. PIPE ANCHORS (LONGITUDINAL & ALL-DIRECTIONAL SEISMIC SUPPORTS) SHALL HAVE PIPE CLAMPS INSTALLED TIGHT AROUND PIPE TO PROVIDE SECURE ANCHORAGE.
- EACH SPAN OR RUN SHALL BE PROVIDED WITH 1 ANCHOR SUPPORT (ALL-DIRECTIONAL OR LONGITUDINAL BRACING) UNLESS NOTED OTHERWISE.

PIPE ON ROOF SUBJECT TO SEISMIC RESTRAINTS

SCALE : NONE

GAS PIPE WEIGHT PER SPAN

SCH40 METAL PIPE SIZE	WEIGHT/FT (LBS/FT)	SPAN (FT)	WEIGHT OF PIPE/SPAN (LBS)	OVER 400 LBS? (YES OR NO)
1 1/2"	2.30	20.00	46.0	NO
1 1/2"	2.70	20.00	54.0	NO
2"	3.70	20.00	74.0	NO
2 1/2"	5.80	20.00	116.0	NO
3"	7.60	20.00	152.0	NO
4"	11.00	20.00	220.0	NO

AGENCY
APPROVAL:



HMC Architects

3431-008-000

2101 CAPITOL AVENUE, SUITE 100
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
1	CITY BACKCHECK #1	10/14/24

GENERAL NOTES

SHEET NOTES



FACILITY:
LODI USD WAREHOUSE
851 SOUTH GUILD AVENUE, LODI, CA, 95242

PROJECT:
LODI USD WAREHOUSE GENERATOR

SHEET NAME:
PLUMBING DETAILS

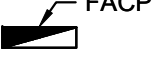
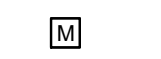
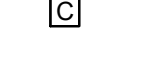
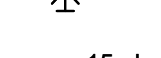
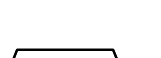
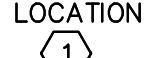
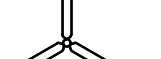
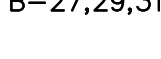
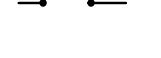
CONSTRUCTION DOCUMENTS

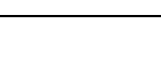
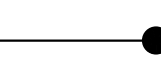
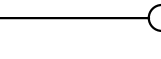
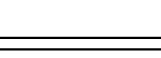
DATE: 2024.04.26	CLIENT PROJ NO: 3431008000
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P5.1

Autodesk Docs: /3431008000 - Lodi USD Warehouse Generator/3431008000-A-USD-WHS-GENERATOR.rvt
Lodi USD Warehouse Generator/3431008000-A-USD-WHS-GENERATOR.rvt
10/13/2024 10:03 PM - Nathan Hahn
PLEASE RECYCLE

ELECTRICAL SYMBOL LIST	
SYMBOL/ 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
DN	DOWN
EF	EXHAUST FAN
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	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OFCl	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OS	OCCUPANCY SENSOR
PH	PHASE
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
Connections / Equipment	
 OR 	JUNCTION BOX
	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
	WALL-MOUNTED JUNCTION BOX
	NON-FUSED DISCONNECT SWITCH
	TRANSFORMER
	DOORBELL - NUTONE #LA11WH +7-6"
	DOORBELL PUSH BUTTON
	ENCLOSED CIRCUIT BREAKER

ELECTRICAL SYMBOL LIST cont'd	
SYMBOL/ ABBREVIATION	DESCRIPTION
	FIRE ALARM CONTROL PANEL
	SUSPENDED REMOTE POWER SUPPLY
	PHOTOELECTRIC SMOKE DETECTOR
	COMBINATION SMOKE ALARM AND CARBON MONOXIDE DETECTOR, SINGLE STATION
	SPRINKLER FLOW SWITCH
	SPRINKLER POST INDICATOR VALVE
	SPRINKLER TAMPER SWITCH
	F.A. ADDRESSABLE MONITOR MODULE
	FIRE ALARM CONTROL RELAY
	STROBE WITH CANDELA RATING
	HORN/STROBE WITH CANDELA RATING
	HORN
	EXTERIOR 120V SPRINKLER HORN/STROBE
General	
	NEW WORK
	EQUIPMENT IDENTIFICATION
	KEYED NOTE
Lighting	
	CEILING FAN
	EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
	EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
	AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE
	SURFACE OR PENDANT MOUNTED LUMINAIRE
	SURFACE OR PENDANT MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
	PENDENT
	WALL MOUNTED LUMINAIRE
	BOLLARD
Miscellaneous	
	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
	DIGITAL TYPE METER WITH VOLTMETER, AMMETER, KW METER, KVA METER, KVAR METER, AND %THD METER
	EQUIPMENT CONNECTION ITEM. REFER TO SCHEDULE
	FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
	FLUSH WALL MOUNTED BRANCH PANEL
	GROUND ROD
	GROUNDING POINT
	LANDING LUG
	MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
	METER WITH CONNECTION
	SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED
	UTILITY TRANSFORMER PAD/VAULT
	WALL MOUNTING BRACKET
	WATER PIPE GROUND CONNECTION

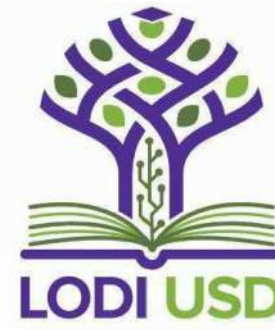
ELECTRICAL SYMBOL LIST cont'd	
SYMBOL/ ABBREVIATION	DESCRIPTION
	Raceways
	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ROUTED BELOW FLOOR / GRADE
	CATV ROUTED BELOW FLOOR / GRADE
	TEL/DATA ROUTED BELOW FLOOR / GRADE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
	FLEXIBLE CONDUIT
	TELEPHONE BACKBOARD
Switches and Receptacles	
	DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) 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
	ABOVE COUNTER DUPLEX RECEPTACLE
	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
	MANUAL DIMMER WITH ON/OFF OVERRIDE
	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR WITH DIMMER AND MANUAL ON/OFF OVERRIDE
	DUPLEX RECEPTACLE, FLUSH FLOOR
	CEILING MOUNTED OCCUPANCY SENSOR (SELF CONTAINED)
	CEILING MOUNTED DAYLIGHTING SENSOR
DEVICE OUTLETS SHALL BE NO MORE THAN +18" AFF TO TOP OF BOX NOR LESS THAN +15" AFF TO BOTTOM OF BOX PER CBC 11B-308.1.2	

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.	

SHEET INDEX	
E0.1	ELECTRICAL COVER SHEET
E0.2	ELECTRICAL ONE-LINE DIAGRAM
E0.3	GENERATOR SHOP DRAWINGS
E0.4	GENERATOR SHOP DRAWINGS
E0.5	ELECTRICAL DETAILS
E1.0	ELECTRICAL SITE PLAN

AGENCY APPROVAL:



HMC Architects

3431-008-000

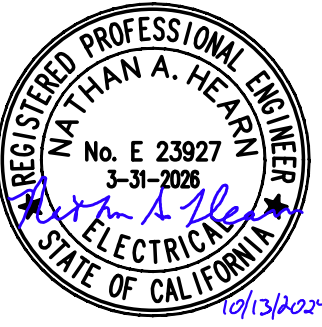
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ISSUE

Δ	DESCRIPTION	DATE
1	CITY BACKCHECK #1	10/14/24

GENERAL NOTES

SHEET NOTES



RANCHO CORDOVA, CALIFORNIA
NH - JG 230922
PM - DESIGN TEAM PROJECT NO.

Date Signed: 10/13/24

FACILITY:
LODI USD WAREHOUSE
851 SOUTH GUILD AVENUE, LODI, CA, 95242

PROJECT:
LODI USD WAREHOUSE GENERATOR

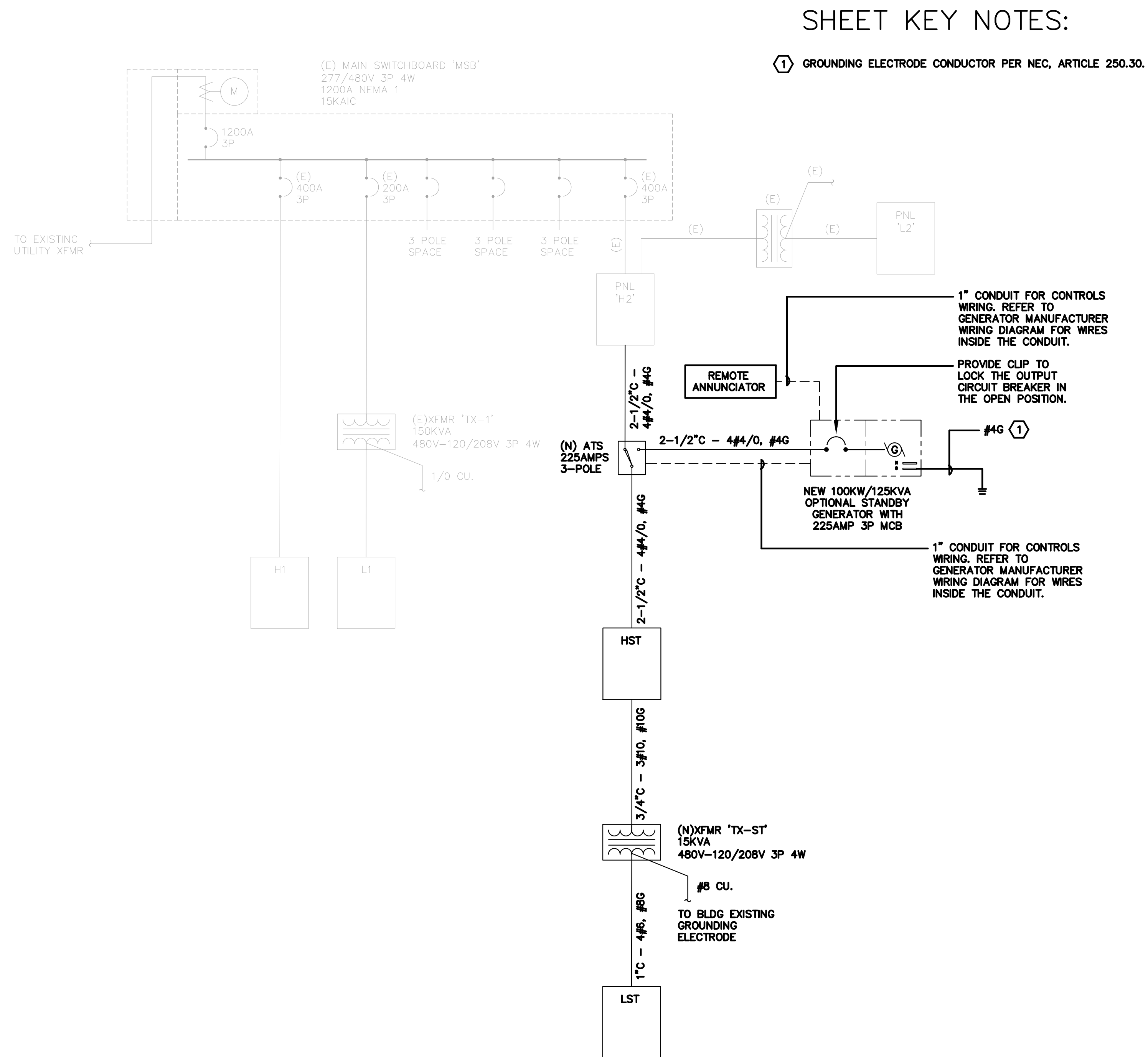
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ELECTRICAL COVER SHEET

CONSTRUCTION DOCUMENTS

DATE: 2024.04.26	CLIENT PROJ NO.: 3431008000
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SHEET:

E0.1

[illegible]

1
E0.2



3431-008-000

ISSUE

Δ	DESCRIPTION	DATE
1	CITY BACKCHECK #1	10/14/24

GENERAC®

TITLE WEIGHT & CENTER OF GRAVITY
G9.0L 60 HZ: SG080, PG072
SG100, PG090

ISSUE DATE:		4/3/17	
SIZE B	CAGE NO N/A	DWG NO 10000013539	REV C
SCALE 0.040		WT-KG	SHEET 3 of 3

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ELECTRONICALLY APPROVED
INSIDE WINDCHILL

SHEET NOTES

Date Signed: 10/13/24

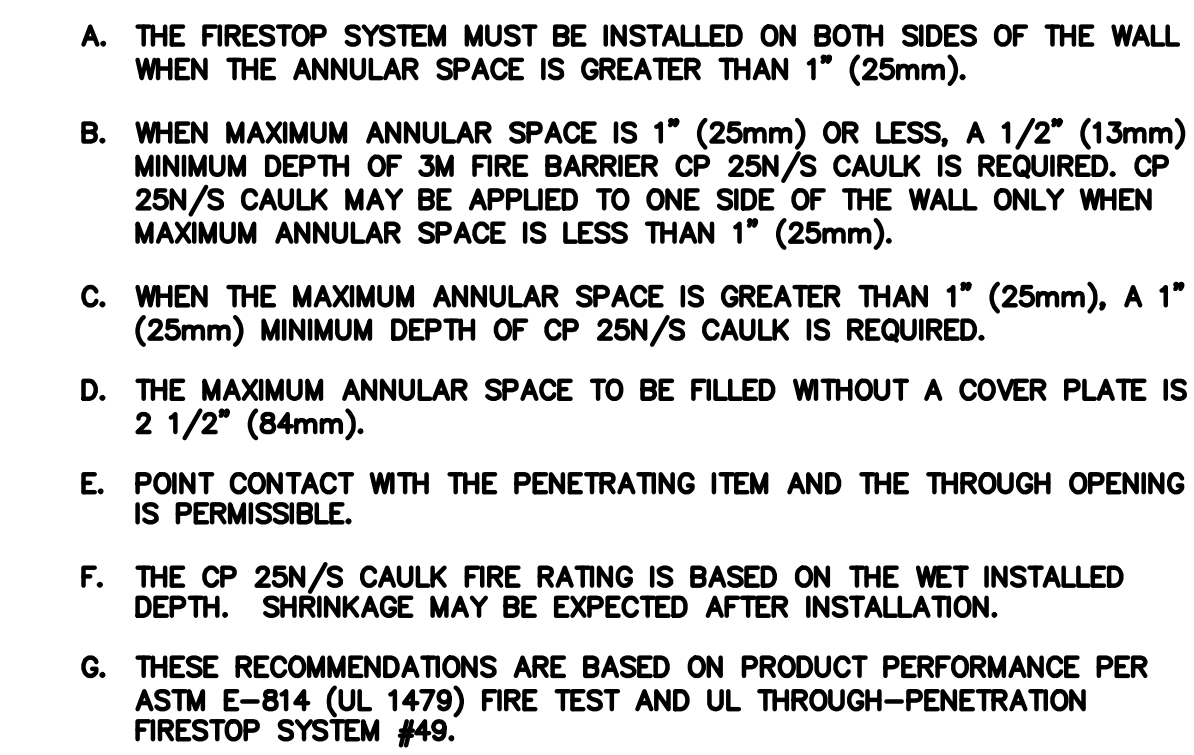
PROJECT:
LODI USD WAREHOUSE GENERATOR

CONSTRUCTION DOCUMENTS

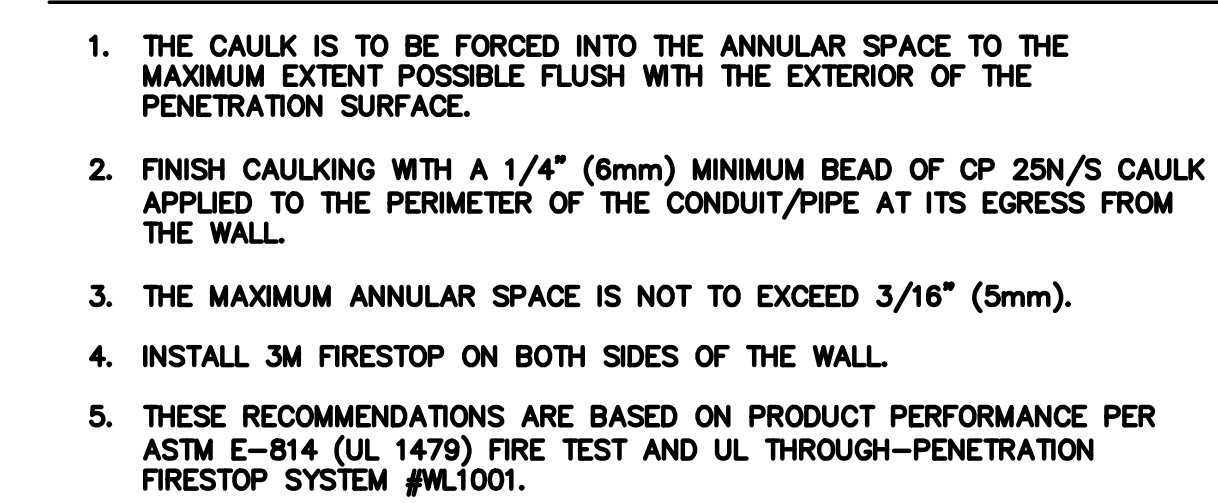
DATE: 2024.04.26	CLIENT PROJ NO: 3431008000
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SHEET:

E0.4



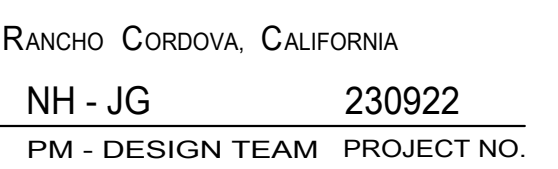
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SCALE : NO SCALE

GENERAL NOTES

SHEET NOTES



FACILITY: _____

PROJECT:

SHEET NAME:

CONSTRUCTION DOCUMENTS

DATE: 2024.04.26	CLIENT PROJ NO: 3431008000
SHEET:	

E0.5

INDUSTRIAL WAY

SHEET KEY NOTES:

- ① CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF REMOTE ANNUNCIATOR.
- ② REFER TO GENERATOR SPECIFICATION AND SHOP DRAWING FOR MORE INFORMATION.
- ③ PROVIDE DEDICATED 208V POWER FOR COOLANT HEATER.
- ④ PROVIDE DEDICATED 120V POWER FOR BATTERY CHARGER.
- ⑤ PROVIDE 120V POWER FOR GENERATOR RECEPTACLE.



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ISSUE

Δ	DESCRIPTION	DATE
1	CITY BACKCHECK #1	10/14/24

GENERAL NOTES

SHEET NOTES



Date Signed: 10/13/24



RANCHO CORDOVA, CALIFORNIA

NH - JG	230922
PM - DESIGN TEAM	PROJECT NO.

FACILITY:
LODI UDS WAREHOUSE
851 SOUTH GUILD AVENUE, LODI, CA, 95242

PROJECT:
LODI USD WAREHOUSE GENERATOR

SHEET NAME:
ELECTRICAL SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: 2024.04.26	CLIENT PROJ NO: 3431008000
SHEET:	

E1.0

SITE PLAN - ELECTRICAL

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

1
E1.0

