# SELMA UNIFIED SCHOOL DISTRICT

## POOL FACILITY MODERNIZATION

## SELMA HIGH SCHOOL

PTN: 62430-137

FILE NO.: 10 - H16

DSA APPL. NO.: 02-121911

## GENERAL

PROJECT ADDRESS:
3125 WRIGHT ST. SELMA, CA 93662

GOVERNING AGENCY: DIVISION OF THE STATE ARCHITECT SACRAMENTO

## PROJECT DESCRIPTION

THIS PROJECT CONSIST OF POOL MODERNIZATION, MECHANICAL ROOM IMPROVEMENTS, AND ASSOCIATED SITE ACCESSIBILITY IMPROVEMENTS.

## GOVERNING CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), C.C.R. TITLE 24, PART 1
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, C.C.R. TITLE 24
2022 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24, PART 12
2022 CALIFORNIA ENERGY CODE (CAC), C.C.R. TITLE 24, PART 6
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), C.C.R. TITLE 24, PART 11
C.C.R., TITLE 19 PUBLIC SAFETY
NFPA 13-22 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (AS AMENDED)
NFPA 24-19 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (AS AMENDED)
NFPA 25-13CA (CALIFORNIA NFPA 25 EDITION) INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
NFPA 72-22 NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)
UL 38-99 MANUALLY ACTUATED SIGNALING BOXES (AS AMENDED)
UL 268-2016 SMOKE DETECTORS FOR FIRE ALARM SYSTEMS
UL 268A-09 SMOKE DETECTORS FOR DUCT APPLICATION (AS AMENDED)
UL 464-03 AUDIBLE SIGNAL APPLIANCES (AS AMENDED)
UL 521-99 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS (AS AMENDED)
UL 1424 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2005 EDITION)
UL 1971 SIGNALING DEVICES FOR THE HEARING IMPAIRED (2004 EDITION)
AMERICANS WITH DISABILITIES ACT

## POOL AND POOL DECK

CONSTRUCTION CONSIST OF THE FOLLOWING:

1. CONCRETE SLAB-ON-GRADE.

CONSTRUCTION TYPE: N/A

NUMBER OF STORIES: N/A

OCCUPANCY CLASSIFICATIONS (CBC SEC. 302)

GROUP: A-5

OCCUPANT LOAD FACTOR: WATER = 50; DECK = 15
TABLE 1004.1.1
POOL WATER SURFACE: 8,796 SF / 50 = 176
POOL DECK: 9,452 SF / 15 = 631

## DESIGN PARAMETERS

WIND SPEED: 94 mph, EXPOSURE C, RICK CATEGORY II

SOILS CLASS: D - DEFAULT

SEIMIC DESIGN CATEGORY: D

MAPPED SPECIAL RESPONSE ACCELERATIONS

SHORT PERIOR, Ss: 0.59

1 - SECOND PERIOD, S1: 0.228

DESIGN SPECTRAL RESPONSE ACCELERATION

SHORT PERIOD, Sds: 0.522

## GENERAL NOTES

1. A COPY TITLE 24 C.C.R. PARTS 1 THROUGH 5 SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS(CCR).
3. CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECTS AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR AND DSA IR A-6.
4. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
5. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
6. CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD) AS REQUIRED IN SECTION 4-338, PART I, CAC, AND SHALL BE SUBMITTED TO, AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION IR A-6.
7. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF TITLE 24 SECTION 4-335, PART 1, AND APPROVED T & I SHEET.
8. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-335, PART I, AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RETEST MAY BE BACK CHARGED TO THE CONTRACTOR.
9. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE CONCRETE PER TITLE 24 SECTION 4-331, PART I.
10. A CLASS 3 INSPECTOR REQUIRED FOR THIS PROJECT SHALL BE EMPLOYED BY OWNER AND APPROVED BY ARCHITECT, STRUCTURAL ENGINEER, AND DSA. INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-333(c), THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-342, PART I.
11. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-334, PART 1.
12. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM SSS-6) IN ACCORDANCE WITH TITLE 24 SECTION 4-336, PART I.
13. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-333(a) AND 4-341, PART I.
14. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-343, PART I.
15. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT(CCD), OR A SEPERATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
16. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR.
17. ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA.
18. NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL.
19. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:
    - ARCHITECT OR ENGINEER OF RECORD
    - STRUCTURAL ENGINEER (WHEN APPLICABLE)
    - DELEGATED PROFESSIONAL ENGINEER
20. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
21. THESE PLANS AND SPECIFICATIONS WILL COMPLY WITH CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
22. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
23. DSA IS NOT SUBJECT TO ARBITRATION.

### STATEMENT OF GENERAL CONFORMANCE

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

APPLICATION NO:. 02-121911 FILE NO:. 10-H16

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

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

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

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

I CERTIFY THAT:

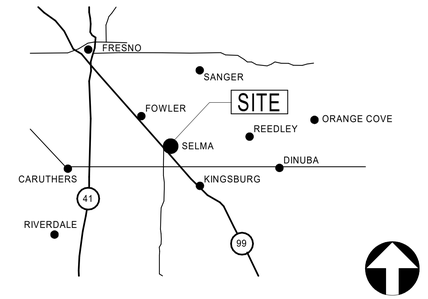
☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX
☐ THIS DRAWING OR PAGE

IS/ARE IN GENERAL CONFORMANCE AND HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

04-18-2024
ARCHITECT'S SIGNATURE DATE
JAMES E. HICKMAN JR.
ARCHITECT
TETER, INC

C-23801 07-31-2025
LICENSE NUMBER EXPIRATION DATE

## ARCHITECT'S STATEMENT

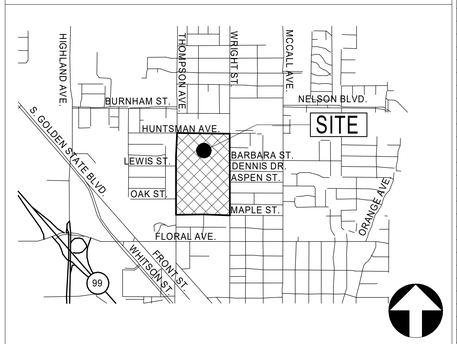



## VICINITY MAP

N.T.S.

## AREA MAP

N.T.S.




### OWNER
**SELMA UNIFIED SCHOOL DISTRICT**
3036 THOMPSON AVE.
FRESNO, CA, 93662
(559) 898-6500
CONTACT: EDWARD GOMES
EMAIL: ed.gomes@selmausd.org

### PROJECT ARCHITECT
**TETER, INC.**
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: JAMES E. HICKMAN
E-MAIL: jamie.hickman@teterae.com

### CIVIL ENGINEER
**BLAIR, CHURCH & FLYNN**
451 CLOVIS AVE #200
CLOVIS, CA, 93612
(559) 326-1400
CONTACT: LANE BADER
EMAIL: lbader@bcf-engr.com

### MECHANICAL/PLUMBING ENGINEER
**TETER, INC.**
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: STEVEN JONES
E-MAIL: steven.jones@teterae.com

### ELECTRICAL ENGINEER
**TETER, INC.**
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: JASON MARCH
E-MAIL: jason.march@teterae.com

### POOL CONSULTANT
**AQUATIC DESIGN GROUP**
2226 FARADAY AVENUE
CARLSBAD, CA 92008
(800) 938-0542
CONTACT: DENNIS BERKSHIRE
E-MAIL: dberkshire@aquaticdesigngroup.com

## PROJECT DIRECTORY

## SHEET INDEX



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

LICENSED ARCHITECT JAMES E. HICKMAN JR. No. C-23801 STATE OF CALIFORNIA


TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO


SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
COVER

PROJECT NO.
02-12828.00

DRAWING
G000

PLOT DATE: 4/16/2024 4:19:03 PM

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# GENERAL TOPOGRAPHIC SURVEY LEGEND:

*(NOT ALL SYMBOLS SHOWN APPEAR ON THE PLANS)*

| | |
|---|---|
| AB | ABUTMENT |
| AC | ASPHALTIC CONCRETE |
| ACE | ASPHALTIC CONCRETE EDGE |
| AD | ASPHALTIC CONCRETE DIKE |
| AWT | ALL-WEATHER TRACK |
| BD | BRIDGE DECK |
| BFC | BOTTOM FACE OF CURB |
| BGST | STEPS |
| BGTR | TOP OF ROOF |
| BGV | BUILDING VENTS |
| BOD | BOTTOM OF DITCH |
| BR | BARRICADE |
| BRK | BRICK |
| BW | BARRIER WALL |
| CB | CATCH BASIN |
| CDA | CONCRETE DRIVE APPROACH |
| CE | CONCRETE EDGE |
| CMP | CORRUGATED METAL PIPE |
| CON | CONCRETE |
| COTH | COMMUNICATION TRENCH |
| CR | CROWN OF ROAD |
| CRQ | QUARTER CROWN |
| CS | CONCRETE SLAB |
| CULV | CULVERT |
| CW | CONCRETE WALL |
| DD | DOWN DRAIN |
| DFL | DITCH FLOWLINE |
| DWY | DRIVEWAY |
| ECTH | ELECTRICAL TRENCH |
| EDR | EDGE OF DIRT ROAD |
| EGR | EDGE OF GRAVEL ROAD |
| EOD | EDGE OF OILED DIRT |
| EP | EDGE OF PAVEMENT |
| ES | EDGE OF SHOULDER |
| ET | EDGE OF TRAVELED WAY |
| FF | FINISH FLOOR |
| FOTH | FIBER OPTIC TRENCH |
| GB | GRADE BREAK |
| GFL | GUTTER FLOWLINE |
| GR | GRATE |
| GRA | GRAVEL SPOT SHOT |
| GRAE | EDGE OF GRAVEL |
| GSTH | GAS TRENCH |
| HDR | WOOD HEADER |
| HW | HEAD WALL |
| KR | K-RAIL |
| LIP | LIP OF GUTTER |
| LSDE | DECOMPOSED GRANITE EDGE |
| LSDG | DECOMPOSED GRANITE |
| LSGC | GROUND COVER |
| LSGF | GOLF COURSE FAIRWAY |
| LSGG | GOLF COURSE GREEN |
| LSGT | GOLF COURSE TEE |
| LSSA | SAND |
| LSSP | SLOPE PROTECTION |
| LSST | GOLF COURSE SAND TRAP |
| NPTH | NON-POTABLE TRENCH |
| PA | PATIO |
| PGTH | PROPANE GAS TRENCH |
| POS | POINT ON SLOPE |
| RCP | REINFORCED CONCRETE |
| RIEL | RIPARIAN EDGE OF LAKE |
| RIEP | RIPARIAN EDGE OF POND |
| RIES | RIPARIAN EDGE OF STREAM |
| RIEW | RIPARIAN EDGE OF WETLAND |
| RIFL | RIPARIAN FLOWLINE |
| RIMC | RIPARIAN MISC. |
| RIP | RIP-RAP SLOPE PROTECTION |
| RK | ROCK |
| RW | RETAINING WALL |
| SB | SPEED BUMP |
| SDCD | STORM DRAIN CROSS DRAIN |
| SDFL | STORM DRAIN FLOWLINE |
| SDGR | STORM DRAIN GRATE |
| SDMG | STORM DRAIN MANHOLE W/ GRATE |
| SSFL | SEWER FLOWLINE |
| SDTH | STORM DRAIN TRENCH |
| SSGT | STORM DRAIN GREASE TRAP |
| SSST | SEWER TANK (SEPTIC) |
| SSTH | SEWER TRENCH |
| SWK | SIDEWALK |
| SWL | SWALE |
| T | TURF |
| TBC | TOP BACK OF CURB |
| TBW | TOP BACK OF WALK |
| TF | TOP OF FOOTING |
| TFC | TOP FACE OF CURB |
| TFW | TOP FACE OF WALK |
| TLTH | TELEPHONE TRENCH |
| TOB | TOP OF BANK |
| TOE | TOE OF SLOPE |
| TOP | TOP OF SLOPE |
| TRDO | TRUNCATED DOMES |
| TVTH | TV TRENCH |
| TW | TOP OF WALL |
| UTH | UNIDENTIFIED TRENCH/SCAR LINE |
| VGFL | VALLEY GUTTER FLOWLINE |
| VGR | VALLEY GUTTER |
| WALBA | BARRIER WALL |
| WALBW | BLOCK WALL |
| WALCW | CONCRETE WALL |
| WALHW | HEAD WALL |
| WALRW | RETAINING WALL |
| WALWW | WING WALL |
| WCR | WHEELCHAIR RAMP |
| WLPD | WELL PAD |
| WTTH | WATER TRENCH |
| WW | WING WALL |
| (335.21) | EXISTING ELEVATION |
| AL | ACCENT LIGHT |
| AV | ALFALFA VALVE |
| | BACKFLOW ASSEMBLY |
| | BASKETBALL GOAL |
| BOV | BLOW-OFF VALVE |
| | BM=BENCHMARK; OR SBM=SITE BENCHMARK |
| BO | BOLLARD |
| CO | CLEANOUT |
| COPB | COMMUNICATION PULLBOX |
| COVA | COMMUNICATION VAULT |
| 312.55 | SURVEY CONTROL MONUMENT |
| DF | DRINKING FOUNTAIN |
| DS | DOORSTOP |
| DW | DRYWELL |
| EG | ELECTRICAL GROUND |
| ELC | ELECTRICAL CONDUIT |
| | ELECTRICAL METER |
| EPB | ELECTRICAL PULLBOX |
| | ELECTRICAL VAULT LID |
| ETS | GAS ELECTRONIC TESTING STATION |
| FDC | FIRE DEPARTMENT CONNECTION |
| | FIRE HYDRANT |
| FP | FENCE POST |
| FLP | FLAG POLE |
| GAS | GAS LINE; DIAMETER AS SHOWN |
| GR | GAS REGULATOR |
| GAV | IRRIGATION GATE VALVE |
| G | GAS METER |
| GOP | GOAL POST |
| GP | GUY POLE |
| GS | GATE STOP |
| GSR | GAS RISER |
| GV | GAS VALVE |
| GRD | GROUNDING ROD |
| GUY | GUY WIRE |
| HB | HOSE BIBB |
| HR | HANDRAIL |
| ICB | IRRIGATION CONTROLLER |
| | IRRIGATION DISTRICT MANHOLE |
| IVA | IRRIGATION REMOTE CONTROL VALVE |
| ISB | IRRIGATION SPLICE BOX |
| IHB | IN-GROUND HOSE BIBB |
| IP | IRON PIPE |
| JP | JOINT UTILITY POLE |
| LP | LIGHT POLE |
| MB | MAIL BOX |
| | MANHOLE |
| MV | MANUAL IRRIGATION VALVE |
| PB | PULLBOX |
| PIV | POST INDICATOR VALVE |
| | UTILITY STUB |
| | PARKING METER |
| 4"POST | POST; DIAMETER AS SHOWN |
| PP | POWER POLE |
| 6" PVC | PVC PIPE; DIAMETER AS SHOWN |
| QC | QUICK COUPLER VALVE |
| RD | ROOF DRAIN |
| RDU | ROOF DRAIN UNDERGROUND |
| RS | ROOF SUPPORT |
| | STADIUM LIGHT POLE |
| | STORM DRAIN MANHOLE |
| | SIGN |
| PPB | SIGNAL LIGHT PUSH BUTTON |
| | STREET LIGHT |
| 4" SLE | PIPE SLEEVE; DIAMETER AS SHOWN |
| | SLOPE |
| SLPB | STREET LIGHT PULLBOX |
| 4"SLV | PIPE SLEEVE; DIAMETER AS SHOWN |
| | SEWER MANHOLE |
| SP | SERVICE POLE |
| SPB | SIGNAL PULLBOX |
| | SPRINKLER |
| 4" SPO | STEEL POST; DIAMETER AS SHOWN |
| 12"SS | SAND SEPARATOR; SIZE AS NOTED |
| 24"STP | STAND PIPE; DIAMETER AS NOTED |
| 12"STUMP | TREE STUMP; DIAMETER AS SHOWN |
| MW | SURVEY MONUMENT WELL |
| 4"TEL | TELEPHONE; DIAMETER AS SHOWN |
| | TELEPHONE MANHOLE |
| TN | TENNIS NET POLE |
| TP | TELEPHONE POLE |
| TPB | TELEPHONE PULLBOX |
| TVPB | TELEVISION PULLBOX |
| | TREE; SPREAD SHOWN GRAPHICALLY AND TRUNK DIAMETER AS SHOWN |
| | PALM TREE; SPREAD SHOWN GRAPHICALLY |
| TSB | TELEPHONE SPLICE BOX |
| | TRAFFIC SIGNAL POLE |
| TSPB | TRAFFIC SIGNAL PULLBOX |
| UP | UTILITY POLE |
| VB | VACUUM BREAKER |
| VN | VOLLEYBALL NET POST |
| 2"VP | VENT PIPE; DIAMETER AS SHOWN |
| WELL | WELL |
| W | WATER METER |
| WP | WELL PUMP |
| 6"WPO | CIRCULAR WOOD POST; DIAMETER AS SHOWN |
| 4"X4"WPO | SQUARE WOOD POST; SIZE AS SHOWN |
| 4"W | WATER LINE; DIAMETER AS SHOWN |
| WV | WATER VALVE |
| | ASPHALT PAVEMENT |
| | CONCRETE BLOCK WALL |
| | BUILDING |
| | CONCRETE |
| | DETECTABLE WARNINGS |
| | DG OR GRAVEL |
| | CHAIN LINK FENCE |
| | CHAIN LINK ROLL GATE |
| | EDGE OF ASPHALT PAVEMENT |
| | WOOD FENCE |
| | DIRECTION OF FLOW |
| E | UNDERGROUND ELECTRIC |
| G 6" | GAS LINE; SIZE AS NOTED |
| OT | OVERHEAD TELEPHONE |
| SD 18" | STORM DRAIN LINE; SIZE AS NOTED |
| S 12" | SEWER LINE; SIZE AS NOTED |
| T | UNDERGROUND TELEPHONE |
| W 8" | WATER LINE; SIZE AS NOTED |
| AG 12" | AGRICULTURAL IRRIGATION LINE; SIZE AS NOTED |
| A 1" | AIR LINE; SIZE AS NOTED |
| C | COMMUNICATION LINE |
| 350 | MAJOR GRADE CONTOUR LINE |
| 345 | MINOR GRADE CONTOUR LINE |
| CW 2" | CHILLED WATER LINE; SIZE AS NOTED |
| CWR 2" | CHILLED WATER RETURN LINE; SIZE AS NOTED |
| CWS 2" | CHILLED WATER SUPPLY LINE; SIZE AS NOTED |
| | LIMIT OF DIRT |
| | LIMIT OF TURF |
| DL 1" | DRAIN LINE; SIZE AS NOTED |
| EMS | EMERGENCY MANAGEMENT SYSTEM |
| FA | FIRE ALARM LINE |
| F 8" | FIRE LINE; SIZE AS NOTED |
| FO | FIBER OPTIC LINE |
| | DRAIN TUBE |
| HW 2" | HOT WATER LINE; SIZE AS NOTED |
| HWR 2" | HOT WATER RETURN LINE; SIZE AS NOTED |
| HWS 2" | HOT WATER SUPPLY LINE; SIZE AS NOTED |
| HYD | HYDRAULIC LINE |
| ID 18" | IRRIGATION DISTRICT; SIZE AS NOTED |
| | IRON FENCE |
| IRR 3" | IRRIGATION MAIN LINE; SIZE AS NOTED |
| L 1" | IRRIGATION LATERAL LINE; SIZE AS NOTED |
| ITS | INTELLIGENT TRAFFIC SYSTEM |
| JT | JOINTLY TRENCHED UTILITIES |
| OC | OVERHEAD COMMUNICATIONS LINE |
| OE | OVERHEAD ELECTRIC LINE |
| OEC | OVERHEAD ELECTRIC AND COMMUNICATION LINE |
| OET | OVERHEAD ELECTRIC AND TELEPHONE LINE |
| OETV | OVERHEAD ELECTRIC AND TELEVISION LINE |
| OETVT | OVERHEAD ELECTRIC, TELEVISION AND TELEPHONE LINE |
| OTS | OVERHEAD TRAFFIC SIGNAL LINE |
| OTV | OVERHEAD TELEVISION LINE |
| OU | OVERHEAD UTILITY LINE |
| P 6" | PETROLEUM LINE; SIZE AS NOTED |
| RWI 3" | RECYCLED WATER IRRIGATION LINE; SIZE AS NOTED |
| S&SD 8" | SEWER AND STORM DRAIN LINE; SIZE AS NOTED |
| SFM 6" | SEWER FORCE MAIN; SIZE AS NOTED |
| ST 2" | STEAM LINE; SIZE AS NOTED |
| TFO | TRAFFIC FIBER OPTIC LINE |
| TS | TRAFFIC SIGNAL LINE |
| TV | TELEVISION LINE |
| UNK | UNKNOWN UTILITY LINE |
| | WIRE FENCE |
| | PROPERTY LINE |
| | CITY LIMIT |
| | EASEMENT 1 |
| | EASEMENT 2 |
| | RIGHT-OF-WAY LINE |
| | RIGHT-OF-WAY CENTER LINE |
| | SETBACK LINE |

## SURVEY NOTES:

1. *THIS TOPOGRAPHIC SURVEY LOCATES SPECIFIC PHYSICAL FEATURES OF THE SITE AND THEIR ELEVATION AS DETERMINED NECESSARY BY THE PROJECT ENGINEER. IT IS NOT A COMPLETE TOPOGRAPHIC SURVEY OF THE SITE. THE INFORMATION SHOWN REFLECTS THE DATA OBTAINED BY FIELD SURVEY CONDUCTED ON 09-15-2023.*
2. *UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AT THE SITE.*

## SITE BENCHMARK:

*CHISELED "X" AT EDGE OF CONCRETE WALK APPROXIMATELY 5' WEST OF THE NORTHWEST CORNER OF BUILDING 1500*

*ELEV.= 314.89 NAVD88 DATUM*

## BENCHMARK:

*CHISELED "X" AT CONCRETE IN THE GATEWAY IN THE SOUTHEAST CORNER OF THE POOL AREA*

*ELEV.= 314.92 NAVD88 DATUM*

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

REGISTERED PROFESSIONAL ENGINEER
LANE R. BAILEY
No. 47033
CIVIL
STATE OF CALIFORNIA
2/5/24
Date Signed:

TETER, INC.
FRESNO HEADQUARTERS
VISALIA I BAKERSFIELD I MODESTO I SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONSULTANTS

TETER

Blair, Church & Flynn
CONSULTING ENGINEERS
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

SELMA HIGH SCHOOL
POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA 93662

DRAWING TITLE
TOPOGRAPHIC SURVEY LEGEND & NOTES

PROJECT NO.
02-12828.00

DRAWING
C100

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PLOT DATE: 2/5/2024 3:20:41 PM

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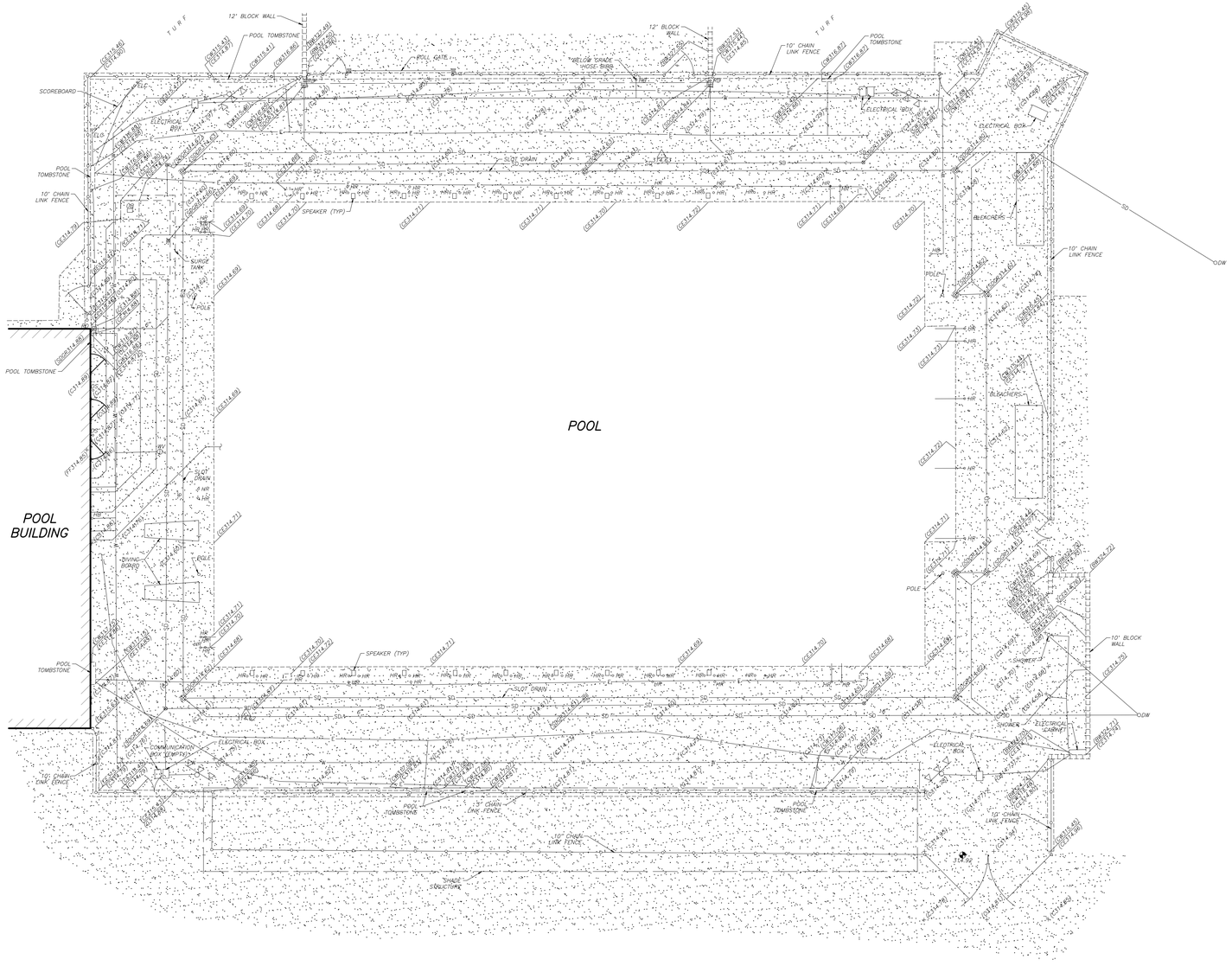


## SURVEY NOTES:

1. *THIS TOPOGRAPHIC SURVEY LOCATES SPECIFIC PHYSICAL FEATURES OF THE SITE AND THEIR ELEVATION AS DETERMINED NECESSARY BY THE PROJECT ENGINEER. IT IS NOT A COMPLETE TOPOGRAPHIC SURVEY OF THE SITE. THE INFORMATION SHOWN REFLECTS THE DATA OBTAINED BY FIELD SURVEY CONDUCTED ON 09-15-2023.*
2. *UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AT THE SITE.*

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*CHISELED "X" AT EDGE OF CONCRETE WALK APPROXIMATELY 5' WEST OF THE NORTHWEST CORNER OF BUILDING 1500*

*ELEV.= 314.89 NAVD88 DATUM*

## BENCHMARK:

*CHISELED "X" AT CONCRETE IN THE GATEWAY IN THE SOUTHEAST CORNER OF THE POOL AREA*

*ELEV.= 314.92 NAVD88 DATUM*

SCALE: N 1"=10'

0 5 10 20
SCALE IN FEET

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

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TETER

SELMA HIGH SCHOOL
POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA 93662

DRAWING TITLE
TOPOGRAPHIC SURVEY

PROJECT NO.
02-12828.00

DRAWING
C101



PLOT DATE: 2/5/2024 3:20:43 PM

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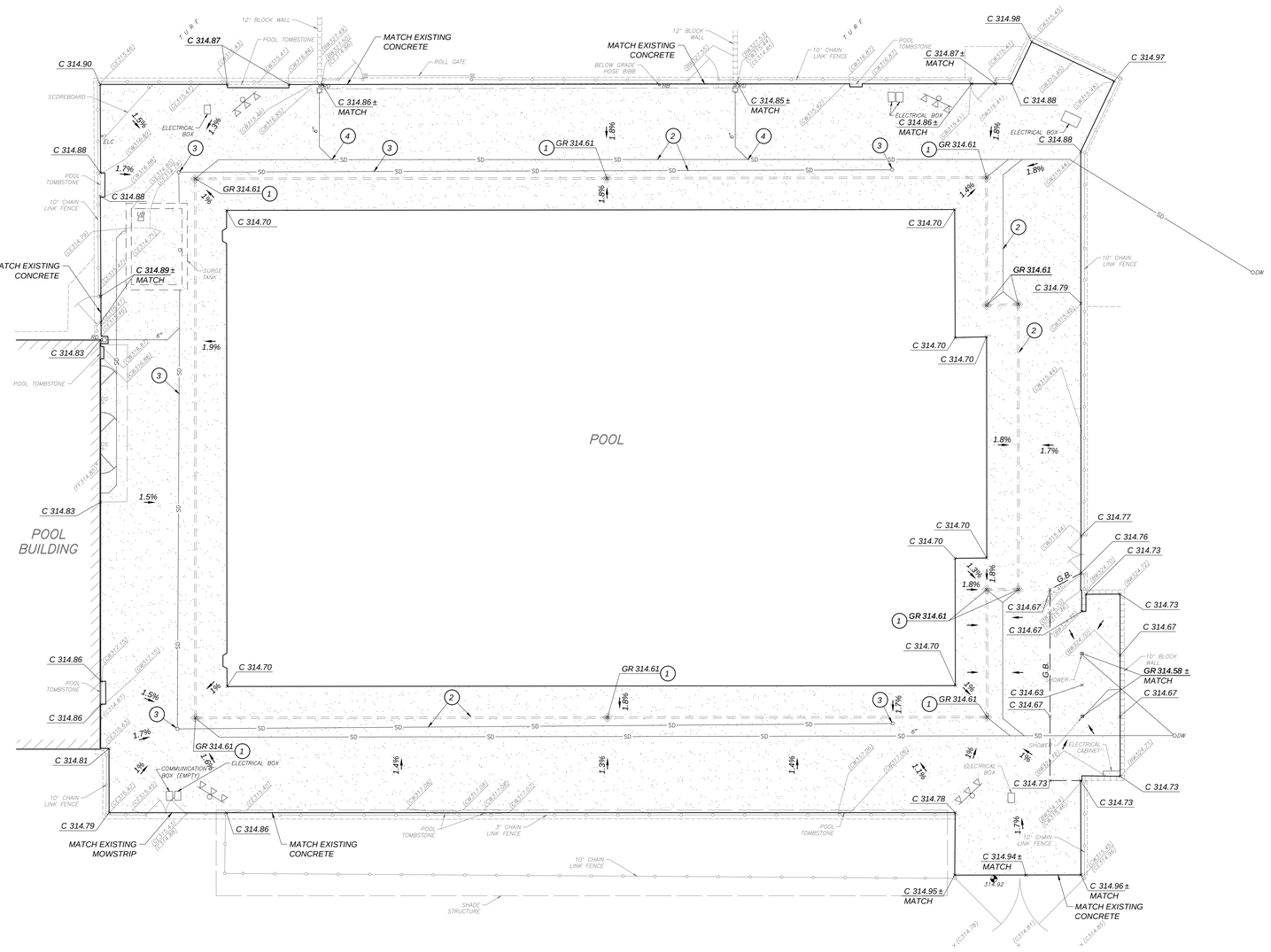


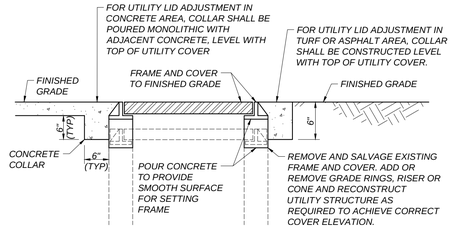


A C201 ADJUST UTILITY LID
NOT TO SCALE

## GENERAL GRADING AND DRAINAGE NOTES:

*THE REQUIREMENTS AND INFORMATION SET OUT BELOW ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE AND DO NOT ENCOMPASS ALL PROJECT REQUIREMENTS DESCRIBED BY THE PROJECT PLANS AND SPECIFICATIONS AND/OR APPLICABLE LAWS, REGULATIONS AND/OR BUILDING CODES.*

1. *CONSTRUCTION OF ALL PROJECT SITE IMPROVEMENTS SUBJECT TO ADA ACCESS COMPLIANCE, INCLUDING ACCESSIBLE PATH OF TRAVEL, CURB RETURNS, PARKING STALL(S) AND UNLOADING AREAS, BARRIER FREE AMENITIES AND/OR OTHER APPLICABLE SITE IMPROVEMENTS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT, CALIFORNIA TITLE 24, THE CALIFORNIA BUILDING CODE, 2022 EDITION(S).*
2. *CONTRACTOR SHALL FIELD VERIFY ALL GRADES AND SLOPES PRIOR TO THE PLACEMENT OF CONCRETE AND/OR PAVEMENT FOR CONFORMANCE WITH ADA ACCESS COMPLIANCE REQUIREMENTS. EXAMPLES OF MINIMUM AND MAXIMUM LIMITS RELATED TO ADA ACCESS COMPLIANCE INCLUDE, BUT ARE NOT LIMITED TO:*
   - *a) ACCESSIBLE PATH OF TRAVEL CROSS-SLOPE SHALL NOT EXCEED 2%*
   - *b) ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL NOT EXCEED 5%*
   - *c) RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 8.33%*
   - *d) ACCESSIBLE WALKS SHALL NOT HAVE LESS THAN 48 INCHES IN UNOBSTRUCTED WIDTH*
   - *e) ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION*
   - *f) LANDINGS AT THE TOP AND BOTTOM OF ACCESSIBLE RAMPS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION*
   - *g) GUTTERS AND ROAD SURFACES DIRECTLY ADJACENT TO AND WITHIN 2 FEET OF A CURB RAMP SHALL HAVE A COUNTER SLOPE NOT TO EXCEED 5%*
3. *CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IDENTIFIED BY THE PROFESSIONAL ENGINEERING SEAL AND SIGNATURE ON THESE PLANS, OF ANY SITE CONDITION(S) AND/OR DESIGN INFORMATION THAT PREVENTS THE CONTRACTOR FROM COMPLYING WITH THE LAWS, REGULATIONS AND/OR BUILDING CODES GOVERNING ADA ACCESS COMPLIANCE.*
4. *GROUND SLOPES AWAY FROM BUILDING PADS IN LANDSCAPED OR DIRT AREAS SHALL BE NO LESS THAN 5% FOR AT LEAST TEN (10) FEET, OR AS OTHERWISE NOTED ON THE PLANS.*
5. *DRAINAGE SHALL NOT BE ALLOWED ONTO ADJACENT PROPERTY.*
6. *ALL FILL MATERIAL USED TO SUPPORT THE FOUNDATIONS OF ANY BUILDING OR STRUCTURE SHALL BE PLACED UNDER THE DIRECTION OF A LICENSED GEOTECHNICAL ENGINEER, AND IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS. A SOILS COMPACTION REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AS REQUIRED BY THE PROJECT SPECIFICATIONS.*
7. *THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS REQUIRED BY THE PROJECT SPECIFICATIONS, AND BY GOVERNING PUBLIC AGENCIES.*
8. *THE CONTRACTOR SHALL IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE PROJECT SPECIFICATIONS AND THE STATE WATER RESOURCES CONTROL BOARD'S CONSTRUCTION GENERAL PERMIT. IMPLEMENT BEST MANAGEMENT PRACTICES WITHIN PUBLIC RIGHT OF WAY PER LOCAL JURISDICTION REQUIREMENTS.*
9. *AS A FIRST ORDER OF WORK, THE CONTRACTOR SHALL POT HOLE THE EXISTING UTILITY LINES AT THE POINT OF CONNECTION TO VERIFY THE LOCATION, SIZE, PIPE MATERIAL AND ELEVATION SO THAT THE ENGINEER CAN MAKE ELEVATION AND/OR ALIGNMENT ADJUSTMENTS IF NECESSARY. SHOULD POT HOLING DISCOVER ANY DISCREPANCIES, CONTACT THE ENGINEER AND OBTAIN WRITTEN DIRECTION BEFORE PROCEEDING.*
10. *ADJUST UTILITY LIDS WITHIN NEW CONSTRUCTION AREA TO FINISHED GRADE PER DETAIL [A/C201]. REPLACE ALL BROKEN LIDS WITH NEW. PROVIDE TRAFFIC RATED LIDS WITHIN VEHICLE LOADING AREAS.*
11. *MINIMUM SLOPE ON IMPERVIOUS SURFACES PERPENDICULAR TO ADJACENT STRUCTURE(S), WITHIN ADA PATH, SHALL BE 1% MINIMUM AND 2% MAXIMUM. WHERE DOOR AND GATE LANDINGS OCCUR THE CROSS SLOPE SHALL BE 2% MAXIMUM IN ALL DIRECTIONS*

## GRADING AND DRAINAGE LEGEND:

| | |
|---|---|
| C | CONCRETE |
| GR | STORM DRAIN GRATE |
| 328.78 | NEW FINISHED GRADE |
| | DIRECTION OF SURFACE DRAINAGE |
| G.B. | GRADE BREAK |
| S=0.0050 | PIPE SLOPE AND DIRECTION OF FLOW |
| | POOL SLOT DRAIN, SEE POOL PLANS |
| 1 | POOL DRAINAGE INLET, SEE POOL PLANS |
| 2 | POOL PIPING AND SLOT DRAIN, SEE POOL PLANS |
| 3 | EXISTING DRAIN LINE TO REMAIN, ADJUST EXISTING AIR VENTS TO FINISHED GRADE |
| 4 | RECONNECT EXISTING STORM DRAIN TO NEW PIPING |

SCALE: N 1"=10'
0 5 10 20
SCALE IN FEET

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POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA 93662

DRAWING TITLE
GRADING AND DRAINAGE PLAN

PROJECT NO.
02-12828.00

DRAWING
C201

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# ABBREVIATIONS

ABBREVIATIONS: WHEN USED IN THESE DOCUMENTS SHALL CONFORM TO THE FOLLOWING LIST UNLESS OTHERWISE NOTED. DRAWINGS OF OTHER DISCIPLINES (SUCH AS CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL) MAY CONTAIN SPECIFIC ABBREVIATIONS, REFERENCES, AND LEGENDS WITH INTERPRETATION INTENDED ONLY FOR THOSE DISCIPLINES.

| | |
|---|---|
| & | AND |
| L | ANGLE |
| @ | AT |
| ℄ | CENTERLINE |
| ∅ | DIAMETER OR ROUND |
| ⊥ | PERPENDICULAR |
| # | POUND OR NUMBER |
| (E) | EXISTING |
| (N) | NEW |
| ABV. | ABOVE |
| A/C | AIR CONDITIONING |
| ACP | ASPHALT CONCRETE PAVING |
| ACST. | ACOUSTICAL |
| A.C.T. | ACOUSTIC CEILING TILE |
| A.B. | ANCHOR BOLT |
| ADA | AMERICANS WITH DISABILITIES ACT |
| ADAAG | ADA ACCESSIBLE GUIDELINES |
| ADDL. | ADDITIONAL |
| ADJ. | ADJUSTABLE |
| ADJC. | ADJACENT |
| A.F.F. | ABOVE FINISH FLOOR |
| A.F.G. | ABOVE FINISH GRADE |
| AGG. | AGGREGATE |
| ALT. | ALTERNATE |
| ALUM. | ALUMINUM |
| ANOD. | ANODIZED |
| A.P.C. | ACOUSTIC PANEL CEILING |
| APPROX. | APPROXIMATE |
| ARCH. | ARCHITECT(URAL) |
| AV | AUDIO VISUAL |
| BD. | BOARD |
| BEL. | BELOW |
| B.E.N | BOUNDARY EDGE NAILING |
| BLDG. | BUILDING |
| BLK. | BLOCK |
| BLKG. | BLOCKING |
| BM. | BEAM |
| BOT. | BOTTOM |
| BRG. | BEARING |
| BTWN. | BETWEEN |
| B.U.R. | BUILT-UP ROOF(ING) |
| C&G | CURB AND GUTTER |
| CAB. | CABINET |
| C.B. | CARRIAGE BOLT |
| CEM. | CEMENT |
| CER. | CERAMIC |
| C.F. | CUBIC FOOT |
| C.I. | CAST IRON |
| C.J. | CONSTRUCTION JOINT |
| C.L. | CENTER LINE |
| C.L.F. | CHAIN LINK FENCE |
| CLG. | CEILING |
| CLO. | CLOSET |
| CLR. | CLEAR |
| CL.RM. | CLASS ROOM |
| CMU | CONCRETE MASONRY UNIT |
| CTR. | COUNTER |
| COL. | COLUMN |
| CONC. | CONCRETE |
| CONN. | CONNECTION |
| CONSTR. | CONSTRUCTION |
| CONT. | CONTINUOUS |
| CONTR. | CONTRACTOR |
| CPT. | CARPET |
| CRC | COLD ROLLED CHANNEL |
| CTR. | CENTER |
| CTSK. | COUNTERSUNK |
| C.Y. | CUBIC YARD |
| D.A. | DISABLED ACCESS |
| DBL. | DOUBLE |
| DEMO | DEMOLISH/ DEMOLITION |
| D.F. | DRINKING FOUNTAIN OR DOUGLAS FIR |
| DET. | DETAIL |
| DIAG. | DIAGONAL |
| DIA. | DIAMETER |
| DIM. | DIMENSION |
| DISP. | DISPENSER |
| DN. | DOWN |
| DP. | DEEP |
| DS. | DOWN SPOUT |
| DWG.(S) | DRAWING |
| DWR. | DRAWER |
| E. | EAST |
| EA. | EACH |
| E.F. | EXHAUST FAN |
| EGR. | ENGINEER |
| E.J. | EXPANSION JOINT |
| EL. | ELEVATION |
| ELEC. | ELECTRIC(AL) |
| ELEV. | ELEVATOR |
| EMB. | EMBEDMENT |
| EMER. | EMERGENCY |
| E.N. | EDGE NAILING |
| ENCL. | ENCLOSURE |
| EQ. | EQUAL |
| EQUIP. | EQUIPMENT |
| EVAP. | EVAPORATIVE |
| E.W. | EACH WAY |
| EXH. | EXHAUST |
| EXST. | EXISTING |
| EXP. | EXPANSION |
| EXT. | EXTERIOR |
| FA. | FIRE ALARM |
| F.B. | FLAT BAR |
| F.B.O. | FURNISHED BY OWNER/OTHERS |
| F.D. | FLOOR DRAIN |
| F.D.C. | FIRE DEPARTMENT CONNECTION |
| FDN. | FOUNDATION |
| F.E. | FIRE EXTINGUISHER |
| F.E.C. | FIRE EXTINGUISHER CABINET |
| F.F. | FACTORY FINISH |
| F.FLR. | FINISH FLOOR |
| F.G. | FINISH GRADE |
| F.H. | FIRE HYDRANT |
| FHMS | FLAT HEAD MACHINE SCREW |
| FHWS | FLAT HEAD WOOD SCREW |
| FIN. | FINISH |
| FIXT. | FIXTURE |
| FLR. | FLOOR(ING) |
| FLASH. | FLASHING |
| FLUOR. | FLUORESCENT |
| F.O. | FACE OF |
| F.O.C. | FACE OF CONCRETE |
| F.O.F. | FACE OF FINISH |
| F.O.M. | FACE OF MASONRY |
| F.O.S. | FACE OF STUD |
| FRP | FIBERGLASS REIN-FORCED PANELING |
| F.S. | FIRE SPRINKLER(S) |
| F.S.H. | FIRE SPRINKLER HEAD |
| FT. | FOOT/FEET |
| FURR. | FURRING |
| FUT. | FUTURE |
| GA. | GAUGE |
| GALV. | GALVANIZED |
| G.B. | GRAB BAR |
| G.C. | GENERAL CONTR. |
| GEN. | GENERAL |
| G.I. | GALVANIZED IRON |
| GL. | GLASS |
| GND. | GROUND |
| GR. | GRADE |
| GYP. | GYPSUM |
| H.B. | HOSE BIBB |
| HBD. | HARDBOARD |
| H.C. | HOLLOW CORE |
| HD. | HEAD |
| H.D. | HEAVY DUTY |
| HDR. | HEADER |
| HDW. | HARDWARE |
| HDWD. | HARDWOOD |
| H.M. | HOLLOW METAL |
| H.M.D. | HOLLOW METAL DOOR |
| H.M.F. | HOLLOW METAL FRAME |
| HORIZ. | HORIZONTAL |
| HR. | HOUR |
| HT. | HEIGHT |
| HVAC | HEATING/VENTIL-ATING/AIR COND-ITIONING |
| HWY | HIGH WAY |
| I.D. | INSIDE DIAMETER/ DIMENSION |
| INFO | INFORMATION |
| INSUL. | INSULATION |
| INT. | INTERIOR |
| JAN. | JANITOR |
| JT. | JOINT |
| KIT. | KITCHEN |
| K.O. | KNOCK OUT |
| K.O.P. | KNOCK OUT PANEL |
| LAB. | LABORATORY |
| LAM. | LAMINATE |
| LAV. | LAVATORY |
| LB(S) | POUND (POUNDS) |
| L.B. | LAG BOLT |
| L.F. | LINEAL FOOT |
| LH. | LEFT HAND |
| LIB. | LIBRARY |
| LT. | LIGHT |
| LT.WT. | LIGHT WEIGHT |
| MACH. | MACHINE |
| MAINT. | MAINTENANCE |
| MAX. | MAXIMUM |
| M.B. | MACHINE BOLT |
| M.B.M. | METAL BUILDING MANUFACTURER |
| MECH. | MECHANICAL |
| MED. | MEDIUM |
| MEMB. | MEMBRANE |
| MET. | METAL |
| MFR. | MANUFACTURER |
| MH. | MANHOLE |
| MKR. | MARKER |
| MIN. | MINIMUM |
| MISC. | MISCELLANEOUS |
| M.O. | MASONRY OPENING |
| MTD. | MOUNTED |
| MTG. | MEETING |
| MULL. | MULLION |
| N | NORTH |
| N.I.C. | NOT IN CONTRACT |
| NO. | NUMBER |
| NOM. | NOMINAL |
| N.R.C. | NOISE REDUCTION COEFFICIENT |
| N.T.S. | NOT TO SCALE |
| OCC | OCCUPANT LOAD |
| O.C. | ON CENTER |
| O.D. | OUTSIDE DIAMETER/ DIMENSION |
| OFF. | OFFICE |
| OFCI | OWNER FURNISHED, CONTR. INSTALLED |
| OFOI | OWNER FURNISHED, OWNER INSTALLED |
| O.F.R.D. | OVER FLOW ROOF DRAIN |
| O.H. | OPPOSITE HAND |
| O.H.C.D. | OVER HEAD COILING DOOR |
| O.H.M.S. | OVAL HEAD MACH. SCREW |
| O.H.W.S. | OVAL HEAD WOOD SCREW |
| OPNG. | OPENING |
| OPP. | OPPOSITE |
| O/ | OVER |
| ORIG. | ORIGINAL |
| OVHD | OVER HEAD |
| OWJ | OPEN WEB JOIST |
| P.B.N. | PLYWOOD BOUNDARY NAILING |
| P.E.N. | PLYWOOD EDGE NAILING |
| P.E.S. | PLYWOOD EDGE SCREWS |
| P.I.V. | POST INDICATOR VALVE |
| P.LAM. | PLASTIC LAMINATE |
| P.L. | PROPERTY LINE |
| PL. | PLATE |
| PLAS. | PLASTER |
| PLYWD. | PLYWOOD |
| PR. | PAIR |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PT. | POINT |
| P.T.D. | PAPER TOWEL DISP. |
| P.T.D.F. | PRESSURE TREATED DOUGLAS FIR |
| PTN. | PARTITION |
| PVC | POLYVINYL CHLORIDE |
| R. | RADIUS |
| R | THERMAL RESISTANCE |
| R.A. | RETURN AIR |
| R.D. | ROOF DRAIN |
| REFL. | REFLECTED |
| REFR. | REFRIGERATOR |
| REINF. | REINFORCED |
| REM. | REMOVE |
| REQD. | REQUIRED |
| RESIL. | RESILIENT |
| R.H. | RIGHT HAND |
| R.H.W.S. | ROUND HEAD WOOD SCREW |
| RM. | ROOM |
| R.O. | ROUGH OPENING |
| R.O.W. | RIGHT-OF-WAY |
| RWD. | REDWOOD |
| RWL | RAIN WATER LEADER |
| S | SOUTH |
| S.A. | SUPPLY AIR |
| S.C. | SOLID CORE |
| SCH. | SCHEDULE |
| S.D. | STORM DRAIN |
| SECT. | SECTION |
| SF | SQUARE FEET/FOOT |
| SHR. | SHOWER |
| SHTG. | SHEATHING |
| SIM. | SIMILAR |
| S.M. | SHEET METAL |
| S.O.G. | SLAB-ON-GRADE |
| SPEC(S). | SPECIFICATION(S) |
| SPKR. | SPEAKER |
| SQ. | SQUARE |
| S.S. | STAINLESS STEEL |
| STA. | STATION |
| STC | SOUND TRANS-MISSION CLASS |
| STD. | STANDARD |
| STL. | STEEL |
| STOR. | STORAGE |
| STRUCT. | STRUCTURAL |
| SUSP. | SUSPENDED |
| S.W. | SIDE WALK |
| SYM. | SYMMETRICAL |
| T.C. | TOP OF CONCRETE |
| TEMP. | TEMPORARY |
| TMPD. | TEMPERED |
| T&G | TONGUE AND GROOVE |
| THD. | THREADED |
| THK. | THICK |
| T.I. | TENANT IMPROVEMENT |
| TK.BD. | TACK BOARD |
| T.O.S. | TOP OF STEEL |
| T.P. | TOP OF PAVEMENT |
| TS | TUBE STEEL |
| TEL. | TELEPHONE |
| TTB | TELEPHONE TERM-INAL BACK BD. |
| TV | TELEVISION |
| TYP. | TYPICAL |
| U.G. | UNDERGROUND |
| U.N.O. | UNLESS NOTED OTHERWISE |
| UR. | URINAL |
| VCT | VINYL COMPOSITION TILE |
| VERT. | VERTICAL |
| VTR. | VENT TO ROOF |
| VWC | VINYL WALL COVERING |
| W | WEST OR WIDTHWIDE |
| W/ | WITH |
| W.C. | WATER CLOSET |
| W.CH. | WHEEL CHAIR |
| WD. | WOOD |
| WDW. | WINDOW |
| WF | WIDE FLANGE |
| W.H. | WATER HEATER |
| W/O | WITHOUT |
| W.P. | WATERPROOF |
| W.S. | WOOD SCREW |
| WT. | WEIGHT |
| WWF | WELDED WIRE FABRIC |
| XFMR | TRANSFORMER |

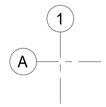
## CODES AND ORGANIZATIONS

| | |
|---|---|
| CBC | CALIFORNIA BUILDING CODE |
| CEC | CALIFORNIA ELECTRICAL CODE |
| CFC | CALIFORNIA FIRE CODE |
| CMC | CALIFORNIA MECHANICAL CODE |
| CPC | CALIFORNIA PLUMBING CODE |
| DSA | DIVISION OF THE STATE ARCHITECT |
| ICBO | INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS |
| NSF | NATIONAL SANITATION FOUNDATION |
| NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| NEC | NATIONAL ELECTRICAL CODE |

# TYPICAL SYMBOLS

SYMBOLS

| | |
|---|---|
| ∠ | ANGLE |
| ∅ | DIAMETER OR ROUND |
| ⊥ | PERPENDICULAR |
| & | AND |
| @ | AT |
| ℄ | CENTER LINE |
| # | POUND OR NUMBER |




STATION LINE


DOOR SYMBOL

DOOR REFERENCE


WINDOW SYMBOL

WINDOW REFERENCE

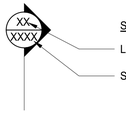

KEYNOTE SYMBOL

KEYNOTE REFERENCE, REFER TO KEYNOTE LIST ON SHEET

WORK POINT, CONTROL POINT OR DATUM POINT


WALL SYMBOL

WALL REFERENCE



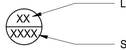

SECTION

LOCATION ON SHEET REFERENCED

SHEET NUMBER WHERE SECTION IS LOCATED

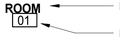
DETAIL

LOCATION ON SHEET REFERENCED




SHEET NUMBER WHERE DETAIL IS LOCATED

ROOM IDENTIFICATION




ROOM NAME

ROOM NUMBER


CEILING HEIGHT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC: A
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SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
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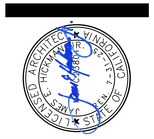



TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

TETER

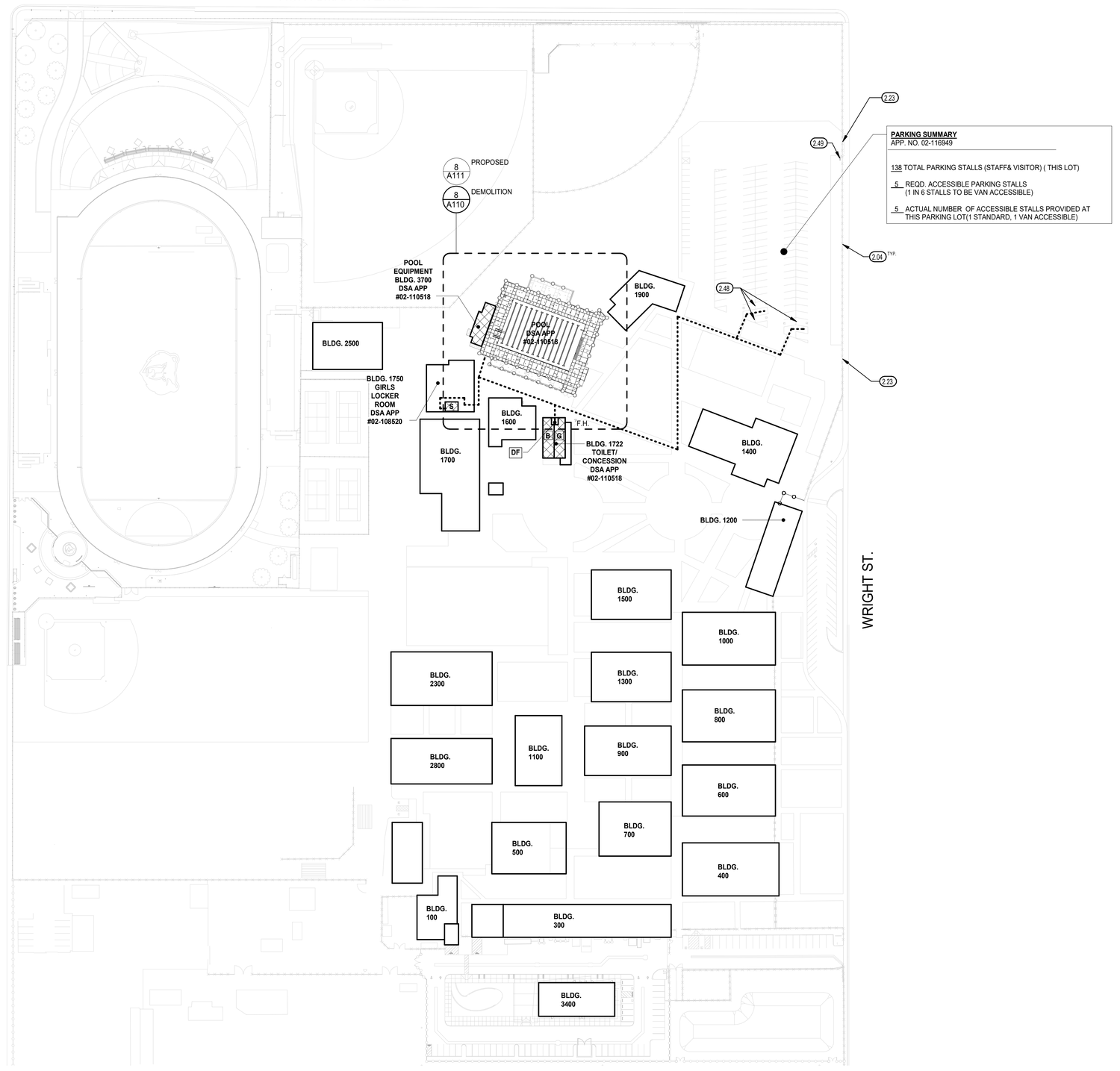
SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
LEGENDS AND ABBREVIATIONS

PROJECT NO.
02-12828.00

DRAWING
A000

PLOT DATE: 4/16/2024 11:32:16 AM




NORTH

OVERALL SITE PLAN

1" = 80'-0"

8

## KEYNOTES

| | |
|---|---|
| 2.04 | EXISTING CHAIN LINK FENCE |
| 2.23 | EXISTING DOUBLE CHAIN LINK GATE TO REMAIN |
| 2.48 | EXISTING ACCCESSIBLE PARKING STALL SIGN |
| 2.49 | EXISTING PARKING LOT ENTRANCE SIGN |

## LEGEND

- EXISTING BUILDINGS NOT IN SCOPE
- EXISTING BUILDING INCLUDED IN SCOPE OF WORK
- PROPOSED CONCRETE PAVING, SEE CIVIL
- DF — ACCESSIBLE DRINKING FOUNTAIN DSA APP# 02-110518
- S — ACCESSIBLE STAFF TOILET ROOM SEE DETAIL 16 / A801
- B — ACCESSIBLE BOYS TOILET ROOM SEE DETAIL 8 / A801
- G — ACCESSIBLE GIRLS TOILET ROOM SEE DETAIL 8 / A801
- EXISTING DOOR, U.N.O.
- F.H. — FIRE HYDRANT
- ACCESSIBLE ROUTE (2022 C.B.C. SECTION 11B - 206)

THE ACCESSIBLE ROUTE IS A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ACCESSIBLE ELEMENTS AND SPACES OF AN ACCESSIBLE SITE, BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR, AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES. ACCESSIBLE ROUTES SHALL COMPLY WITH CBC 11B-402. IN GENERAL, EXTERIOR ACCESSIBLE ROUTES SHALL COMPLY WITH THE FOLLOWING: SHALL BE STABLE, FIRM, AND SLIP RESISTANT; HAVE A 1:20 MAXIMUM RUNNING SLOPE FOR WALKS; HAVE A 1:12 MAXIMUM SLOPE FOR RAMPS AND CURB RAMPS; HAVE A 1/4:12 MAXIMUM CROSS SLOPE; HAVE A 48" MINIMUM WIDTH; HAVE NO VERTICAL OFFSETS GREATER THAN 1/4". OFFSETS BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NOT EXCEEDING 1V:2H; HAVE NO OPENINGS ALLOWING THE PASSAGE OF A 1/2" DIAMETER SPHERE; ELONGATED OPENINGS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL; HAVE A MINIMUM 6" HIGH CURB OR GUARDRAIL AT EDGES WHERE THE DROP OFF EXCEEDS 4" EXCEPT WHERE ADJACENT TO VEHICULAR WAYS; BE FREE OF ELEMENTS PROJECTING MORE THAN 4" FROM WALLS BETWEEN 27" AND 80" ABOVE THE WALKING SURFACE; AND HAVE 80" MINIMUM VERTICAL CLEARANCE.

**DESIGN PROFESSIONAL IN CHARGE STATEMENT:**

- THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS.
- AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.
- ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

## GENERAL NOTES

A. THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION & ALL OTHER MATTERS DETERMINED BY THE INSPECTOR TO BE DELETERIOUS. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

B. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.

C. FINISH GRADE SHALL HAVE A 1.5% SLOPE AWAY FROM THE BLDG. FOR A DISTANCE NOT LESS THAN 5'-0" FROM THE BLDG.

D. EXISTING UNDERGROUND UTILITIES & IMPROVEMENTS ARE SHOWN IN THEIR APPROX. LOCATIONS BASED UPON RECORD INFO. AVAILABLE TO THE ARCHITECT AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD & NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFO. SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A). 1-800-642-2444.

E. EXTERIOR CONC. LANDINGS AT DOORS SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN DOORWAY THRESHOLD WITH 1/4 INCH PER FOOT SLOPE MAX.

F. REFER TO CIVIL, LANDSCAPE, PLUMBING & ELECTRICAL FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

LICENSED ARCHITECT ★ Exp. 08-31-2025 ★ STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
OVERALL SITE PLAN

PROJECT NO.
02-12828.00

DRAWING
A100

PLOT DATE: 4/16/2024 11:32:18 AM

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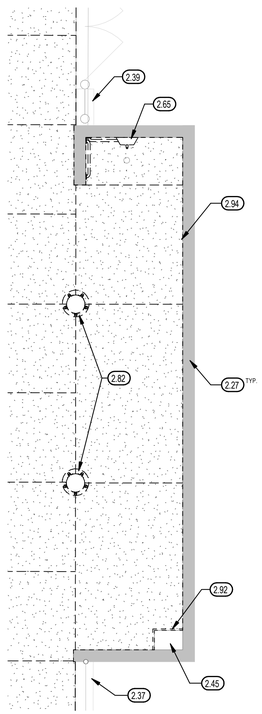
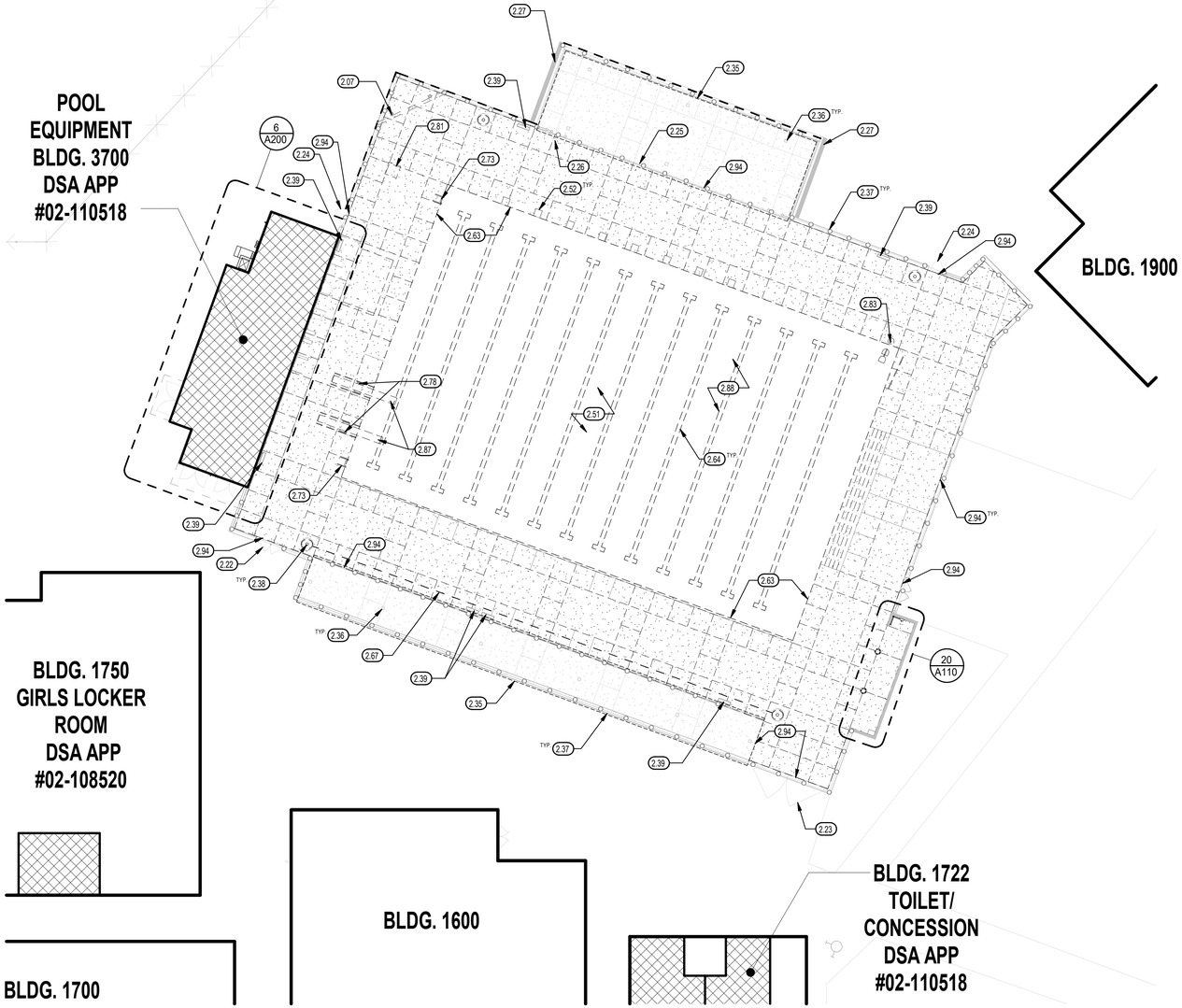



ENLARGED SHOWER SITE PLAN - DEMOLITION

1/4" = 1'-0"

NORTH

PROJECT NORTH




ENLARGED POOL SITE PLAN - DEMOLITION

1/16" = 1'-0"

NORTH

## KEYNOTES (00.00)

| | |
|---|---|
| 2.07 | EXISTING SCOREBOARD TO REMAIN |
| 2.22 | EXISTING ACCESSIBLE GATE WITH PANIC HARDWARE TO REMAIN |
| 2.23 | EXISTING DOUBLE CHAIN LINK GATE TO REMAIN |
| 2.24 | EXISTING SERVICE GATE WITH PANIC HARDWARE TO REMAIN |
| 2.25 | EXISTING 16'-0" WIDE ROLLING GATE |
| 2.26 | EXISTING 3' WIDE GATE |
| 2.27 | EXISTING CMU WALL TO REMAIN |
| 2.35 | EXISTING CANOPY OVERHANG TO REMAIN |
| 2.36 | EXISTING CANOPY COLUMN TO REMAIN |
| 2.37 | EXISTING PERIMETER CONCRETE CURB TO REMAIN |
| 2.38 | EXISTING LIGHT POLE TO REMAIN, SEE ELECTRICAL DRAWINGS |
| 2.39 | EXISTING CONCRETE PEDESTAL AND FOOTING TO REMAIN |
| 2.45 | EXISTING INSTANT WATER HEATER TO REMAIN |
| 2.51 | REMOVE EXISTING POOL TILE AND PLASTER FINISH, SEE POOL DRAWINGS |
| 2.52 | REMOVE EXISTING STARTING BLOCKS, SEE POOL DRAWINGS |
| 2.63 | REMOVE EXISTING POOL GUTTER GRATES, SEE POOL DRAWINGS |
| 2.64 | REMOVE EXISTING SWIMMING LANE LINES, SEE POOL DRAWINGS |
| 2.65 | REMOVE EXISTING WALL MOUNTED SHOWER |
| 2.67 | REMOVE EXISTING OVERHEAD AND UNDERGROUND CONDUIT AND WIRING, SEE ELECTRICAL |
| 2.73 | REMOVE EXISTING LADDER, SEE POOL DRAWINGS |
| 2.78 | REMOVE EXISTING DIVING BOARD STANDS, SEE POOL DRAWINGS |
| 2.81 | REMOVE EXISTING SURGE CHAMBER LID, SEE POOL DRAWINGS |
| 2.82 | REMOVE EXISTING SHOWER PEDESTALS, SEE PLUMBING |
| 2.83 | REMOVE EXISTING POOL LIFT AND TRANSPORT CART, SEE POOL DRAWINGS |
| 2.87 | REMOVE EXISTING SPRING BOARDS AND SALVAGE FOR REINSTALLATION, SEE POOL DRAWINGS |
| 2.88 | REMOVE EXISTING UNDERWATER LIGHTS, SEE POOL DRAWINGS |
| 2.92 | REMOVE EXISTING ENCLOSURE AND SALVAGE FOR REINSTALLATION, PROTECT EXISTING PIPING AND CONDUITS |
| 2.94 | SAW CUT EXISTING CONCRETE IN A STRAIGHT LINE TO ACCOMMODATE NEW WORK |

## LEGEND

- EXISTING CONCRETE TO REMAIN
- REMOVE EXISTING POOL DECKING FOR PROPOSED IMPROVEMENTS, SEE CIVIL AND POOL DRAWINGS FOR ADDITIONAL INFORMATION
- PORTION OF EXISTING BUILDING INCLUDED IN SCOPE OF WORK
- EXISTING CHAINLINK FENCE ASSEMBLY TO REMAIN
- EXISTING CHAINLINK FENCE ASSEMBLY TO REMAIN REMOVE EXISTING FENCE FABRIC

## GENERAL NOTES

A. FOR ADDITIONAL DEMOLITION INFORMATION REFER TO CIVIL, MECHANICAL, PLUMBING, ELECTRICAL AND POOL CONSULTANT DRAWINGS.

B. ALL ITEMS NOT INDICATED TO BE REMOVED ARE EXISTING AND ARE TO REMAIN - PROTECT FROM DAMAGE.

C. DEMOLITION ITEMS INDICATED ON THE PLANS DESCRIBE A SPECIFIC ITEM AND DO NOT CONSTITUTE THE COMPLETE EXTENT OF DEMOLITION REQUIRED FOR THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL PERFORM ALL DEMOLITION REQUIRED FOR THE INSTALLATION OF NEW IMPROVEMENTS. DEMOLITION TO BE COORDINATED IN FIELD WITH MECHANICAL DRAWINGS, PLUMBING DRAWINGS, ELECTRICAL DRAWINGS, FIRE ALARM DRAWINGS, ETC. AND ASSOCIATED TRADES.

1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING SELECTIVE DEMOLITION REQUIREMENTS.
2. COORDINATE WITH RESPECTIVE TRADES FOR THE EXTENT OF DEMOLITION REQUIRED TO PROPERLY INSTALL PROPOSED IMPROVEMENTS.

D. ALL EXISTING FLOOR FINISH ADHESIVES SHALL BE REMOVED WITH FLOORING FINISH.

E. ALL EXISTING FLOOR SUBSTRATES TO BE CLEANED, PATCHED, REPAIRED, LEVELED, AND PREPARED AS REQUIRED BY FLOORING FINISH MANUFACTURER RECOMMENDATIONS FOR FLOORING FINISH SYSTEM SCHEDULED.

F. ALL EXISTING UTILITY ITEMS THAT ARE NOT TO BE RE-USED ARE TO BE REMOVED (CONDUITS, RACEWAYS, DUCTWORK, PIPING, WIRING, ETC.). COORDINATE WITH PROPOSED IMPROVEMENTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

LICENSED ARCHITECT CESAR A. SILVA No. C-31909 STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
ENLARGED SITE PLANS - DEMOLITION

PROJECT NO.
02-12828.00

DRAWING
A110

PLOT DATE: 4/16/2024 11:32:20 AM

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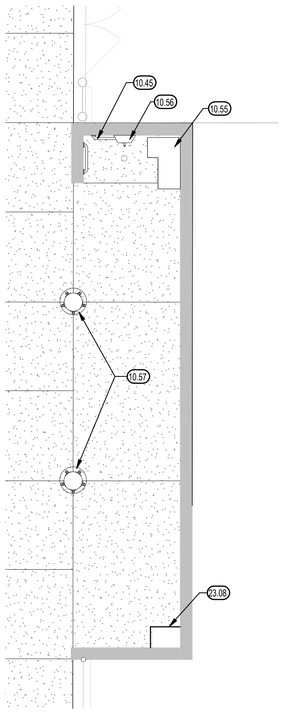


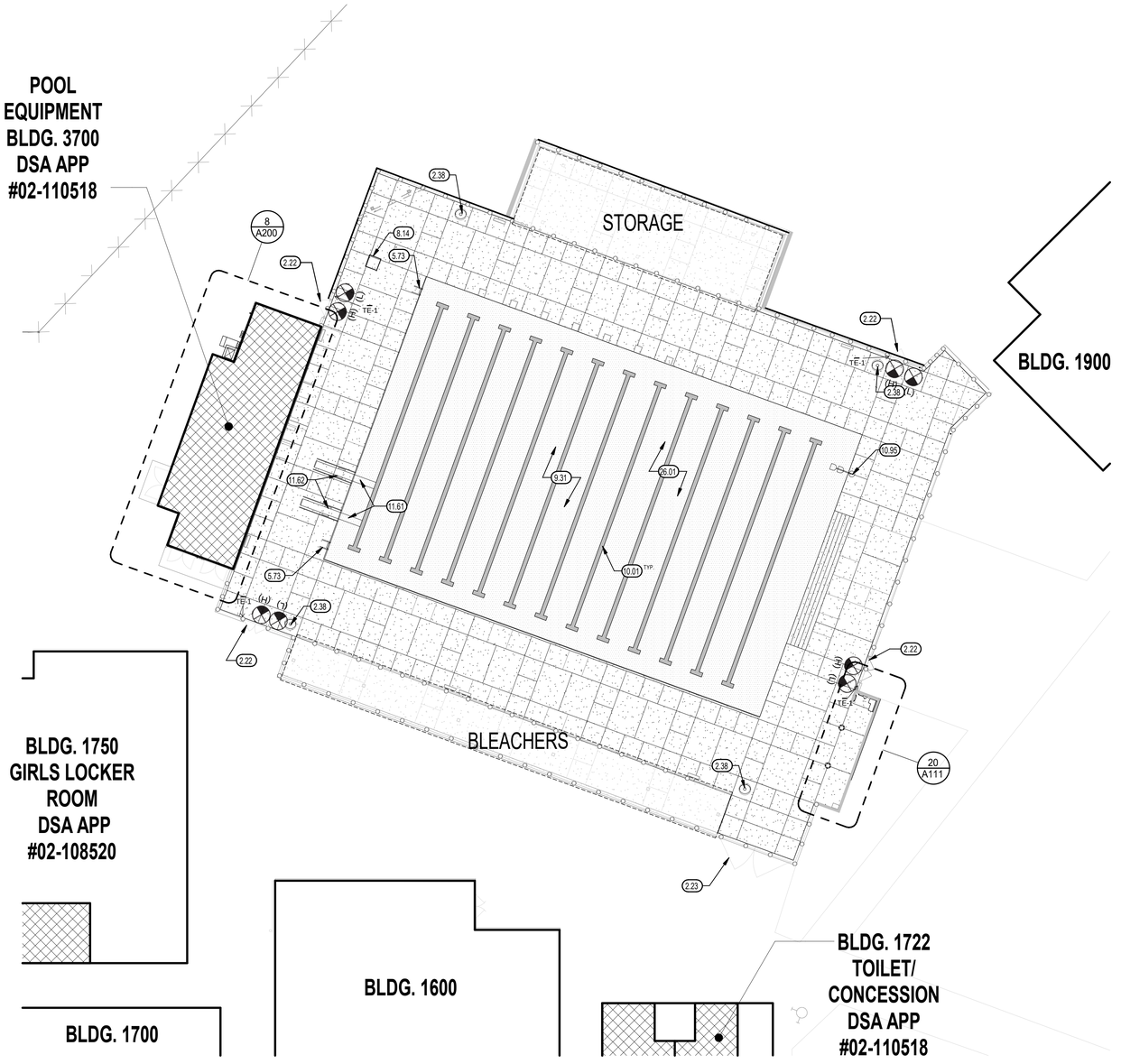


NORTH

PROJECT NORTH

ENLARGED SHOWER SITE PLAN - PROPOSED 1/4" = 1'-0" 20

ENLARGED POOL SITE PLAN - PROPOSED 1/16" = 1'-0" 8

NORTH

## KEYNOTES (00.00)

| | |
|---|---|
| 2.22 | EXISTING ACCESSIBLE GATE WITH PANIC HARDWARE TO REMAIN |
| 2.23 | EXISTING DOUBLE CHAIN LINK MAINTENANCE GATE TO REMAIN |
| 2.38 | EXISTING LIGHT POLE TO REMAIN, SEE ELECTRICAL DRAWINGS |
| 5.73 | POOL LADDER, SEE POOL DRAWINGS |
| 8.14 | SURGED CHAMBER LID, SEE POOL DRAWINGS |
| 9.31 | POOL TILE AND PLASTER FINISH, SEE POOL DRAWINGS |
| 10.01 | SWIMMING LANE LINES, SEE POOL DRAWINGS |
| 10.45 | GRAB BAR, SEE 3 / A801 |
| 10.55 | FOLD DOWN SHOWER SEAT, SEE DETAIL 5 / A801 |
| 10.56 | ACCESSIBLE WALL MOUNTED SHOWER, SEE DETAIL 2 / A801 |
| 10.57 | SHOWER PEDESTAL, SEE PLUMBING |
| 10.95 | POOL LIFT AND TRANSPORT CART, SEE POOL DRAWINGS |
| 11.61 | DIVING BOARD STAND, SEE POOL DRAWINGS |
| 11.62 | REINSTALLED SALVAGED SPRING BOARDS, SEE POOL DRAWINGS |
| 23.08 | REINSTALL SALVAGED ENCLOSURE |
| 26.01 | UNDERWATER LIGHTS, SEE POOL DRAWINGS |

## LEGEND

- EXISTING CONCRETE TO REMAIN
- NEW POOL DECKING FOR PROPOSED IMPROVEMENTS, SEE CIVIL AND POOL DRAWINGS FOR ADDITIONAL INFORMATION
- PORTION OF EXISTING BUILDING INCLUDED IN SCOPE OF WORK
- EXISTING CHAINLINK FENCE ASSEMBLY TO REMAIN
- EXISTING CHAINLINK FENCE ASSEMBLY TO REMAIN NEW FENCE FABRIC TO BE INSTALL
- TE-1 TBRU — WALL SIGNAGE, SEE 3 / A800

(L) EXIT SIGNAGE - LOW LEVEL: BRIGHT PATH LIGHTING, INC., CENTURION 100, CN100WR RED, WALL MOUNTED PHOTOLUMINESCENT EXIT SIGN (OR APPROVED EQUAL) UL 924 LISTED FOR INDOOR/OUTDOOR WET LOCATION USE VISIBLE AND LEGIBLE FOR AT LEAST 90 MINUTE AFTER LIGHTS HAVE BEEN EXTINGUISHED. INSTALL THE BOTTOM OF THE SIGN NOT LESS THAN 6" AND NOT MORE THAN 8" ABOVE THE FLOOR LEVEL AND WITHIN 4" OF JAMB OF GATE (CBC T24 1013.7)

(H) EXIT SIGNAGE - HIGH LEVEL: BRIGHT PATH LIGHTING, INC., CENTURION 100, CN100WR RED, WALL MOUNTED PHOTOLUMINESCENT EXIT SIGN (OR APPROVED EQUAL) UL 924 LISTED FOR INDOOR/OUTDOOR WET LOCATION USE VISIBLE AND LEGIBLE FOR AT LEAST 90 MINUTE AFTER LIGHTS HAVE BEEN EXTINGUISHED. INSTALL THE SIGN DIRECTLY ABOVE THE GATE CENTERED ON THE GATE OPENING (CBC T24 1013.7).

## GENERAL NOTES

A. ALL CONCRETE MOWSTRIP, RAMP AND SIDEWALKS SHALL HAVE WEAKEND PLANE JOINTS AT 10 FEET MAXIMUM ON CENTER AND EXPANSION JOINTS AT 30 FEET MAXIMUM ON CENTER PER DETAIL

IDENTIFICATION STAMP
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DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

LICENSED ARCHITECT JAMES R. HICKEY 23662 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

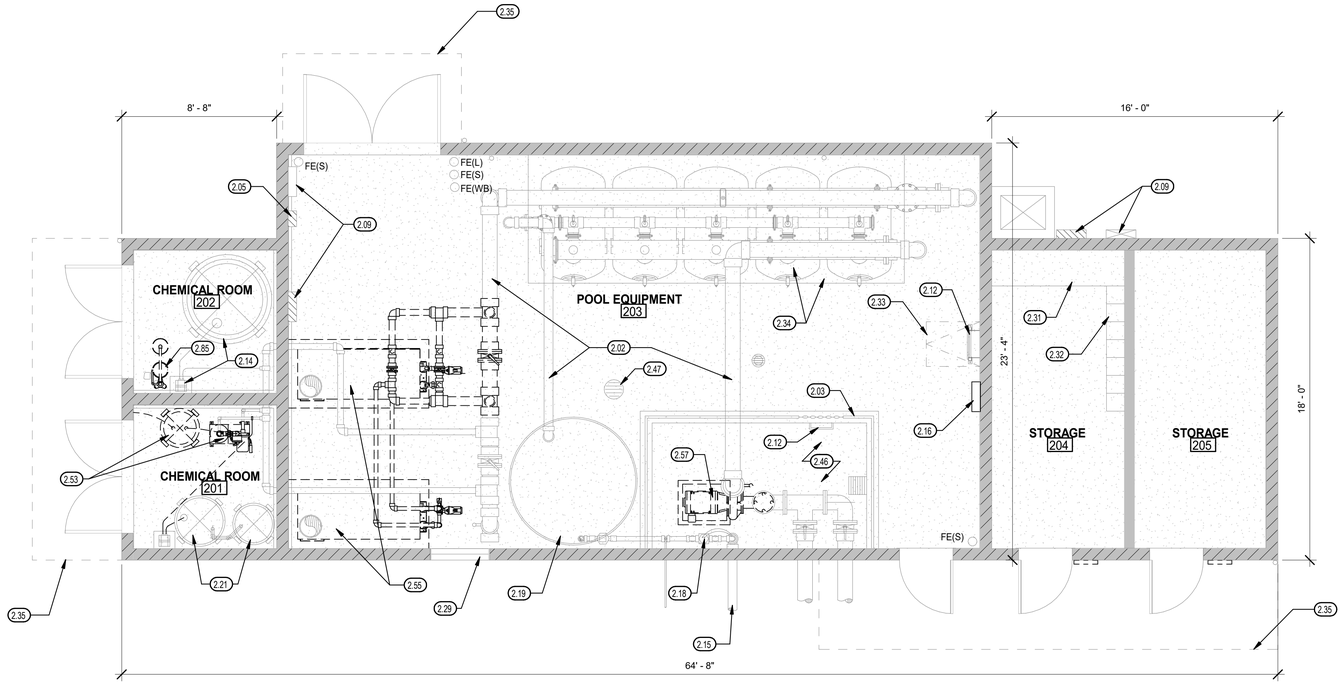
SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
ENLARGED SITE PLANS - PROPOSED

PROJECT NO.
02-12828.00

DRAWING
A111

PLOT DATE: 4/16/2024 11:32:22 AM




NORTH

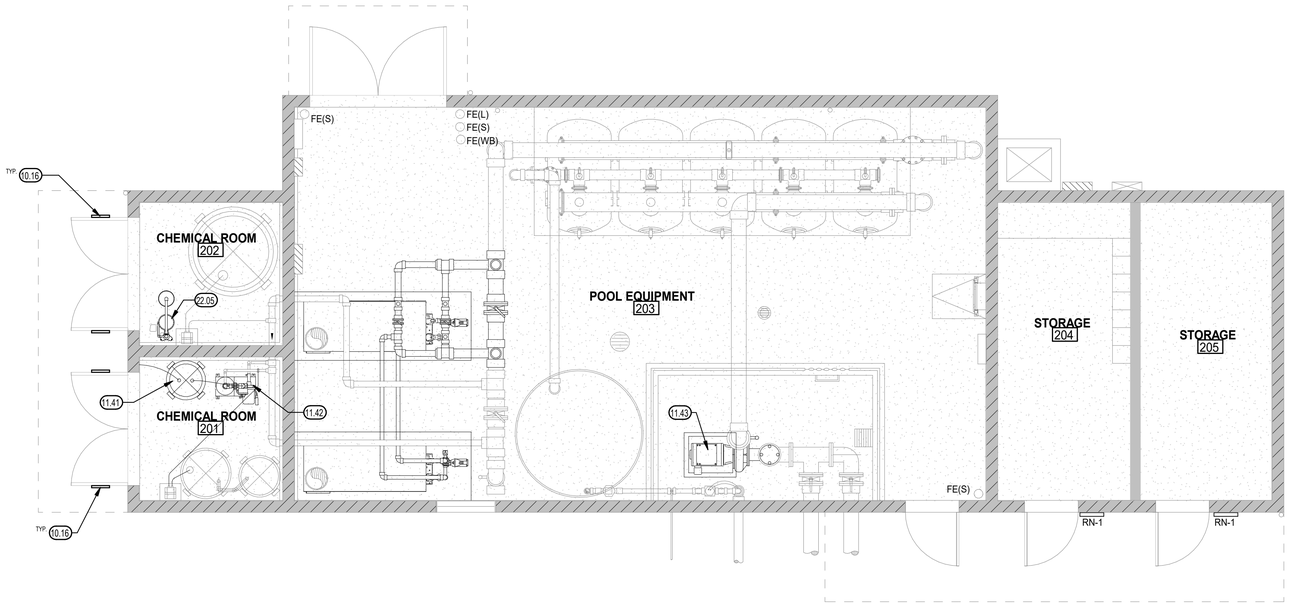
PROJECT NORTH

BLDG. 3700 - POOL EQUIPMENT FLOOR PLAN - DEMOLITION

1/4" = 1'-0" | 6

## KEYNOTES (00.00)

2.02 EXISTING OVERHEAD PIPING TO REMAIN
2.03 EXISTING GUARDRAIL TO REMAIN
2.05 EXISTING WATER CHEMISTRY CONTROLLER TO REMAIN
2.09 EXISTING ELECTRICAL PANEL TO REMAIN, SEE ELECTRICAL
2.12 EXISTING LADDER TO REMAIN
2.14 EXISTING CHLORINE STORAGE AND FEED PUMP SYSTEM TO REMAIN
2.15 EXISTING UNDERGROUND PIPES TO REMAIN
2.16 EXISTING SMART PUMP VARIABLE SPEED DRIVE TO REMAIN
2.18 EXISTING FILL SYSTEM TO REMAIN
2.19 EXISTING BACKWASH TANK TO REMAIN
2.21 EXISTING ACID VAPOR RECOVERY TANK AND ACID STORAGE TO REMAIN
2.29 EXISTING WALL LOUVER TO REMAIN
2.31 EXISTING 18" HIGH CONCRETE BENCH TO REMAIN
2.32 EXISTING LOCKERS TO REMAIN
2.33 EXISTING ROOF ACCESS LADDER AND HATCH ABOVE TO REMAIN
2.34 EXISTING CONCRETE HOUSEKEEPING PAD, FILTERS AND MANIFOLDS TO REMAIN
2.35 EXISTING CANOPY OVERHANG TO REMAIN
2.46 EXISTING PUMP PIT TO REMAIN
2.47 EXISTING BELL RECEPTOR AT FLOOR TO REMAIN
2.53 REMOVE EXISTING CO2 STORAGE AND FEED SYSTEM, SEE POOL DRAWINGS
2.55 REMOVE EXISTING POOL HEATERS, SEE POOL DRAWINGS
2.57 REMOVE EXISTING CIRCULATION PUMP, SEE POOL DRAWINGS
2.85 REMOVE EXISTING EMERGENCY SHOWER/EYEWASH, SEE PLUMBING
10.16 HAZARDOUS INFORMATION SIGNAGE, SEE POOL DRAWINGS
11.41 750LB. CO2 STORAGE TANK, SEE POOL DRAWINGS
11.42 CO2 FEED SYSTEM, SEE POOL DRAWINGS
11.43 SWIMMING POOL CIRCULATION PUMP, SEE POOL DRAWINGS
22.05 EMERGENCY EYE WASH/SHOWER, SEE PLUMBING




NORTH

PROJECT NORTH

BLDG.3700 - POOL EQUIPMENT FLOOR PLAN PROPOSED

1/4" = 1'-0" | 8

## LEGEND

EXISTING 2X WALL TO REMAIN

EXISTING 8" CMU WALL TO REMAIN

EXISTING DOOR TO REMAIN

FE(S) EXISTING SMALL RED FIRE EXTINGUISHER TO REMAIN RATING: 2-A:10-B:C

FE(L) EXISTING LARGE RED FIRE EXTINGUISHER TO REMAIN RATING: 4-A:60-B:C

FE(WB) EXISTING WHITE & BLUE FIRE EXTINGUISHER TO REMAIN RATING: 2-A:C, WATER MIST FIRE EXTINGUISHER W/ DEIONIZED WATER

REMOVE EXISTING DOOR/WALL SIGNAGE

TYP. 10.16 WALL SIGNAGE, SEE 3 / A800

## GENERAL NOTES

A. CONTRACTOR SHALL PATCH, REPAIR OR REPLACE ANY ADJACENT WORK (WALL, CEILING, FLOOR SURFACES, ETC.) THAT IS DAMAGED, REMOVED AND/OR DEMOLISHED DURING THE COURSE OF CONSTRUCTION. SEE SPECIFICATION REQUIREMENTS FOR CUTTING & PATCHING.

B. ALL WORK WITHIN OR ON EXISTING WALLS SHALL BE PATCHED TO MATCH THE ADJACENT EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO ALL DEMOLITION REQUIRED TO PROPERLY INSTALL PROPOSED IMPROVEMENTS (STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, ETC.).

a. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CUTTING & PATCHING REQUIREMENTS.

b. COORDINATE WITH RESPECTIVE TRADES FOR THE EXTENT OF DEMOLITION AND PATCHBACK REQUIRED TO PROPERLY INSTALL PROPOSED IMPROVEMENTS.

C. ALL MANUFACTURER REQUIRED AND/OR RECOMMENDED TESTING, CORRECTIVE MEASURES, AND PREPARATIONS WITH REGARD TO THE EXISTING CONCRETE SLAB, INCLUDING PATCHED AREAS, SHALL BE INCLUDED AND PERFORMED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

LICENSED ARCHITECT JAMES HIGGINBOTHAM No. C-31907 STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

TETER

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

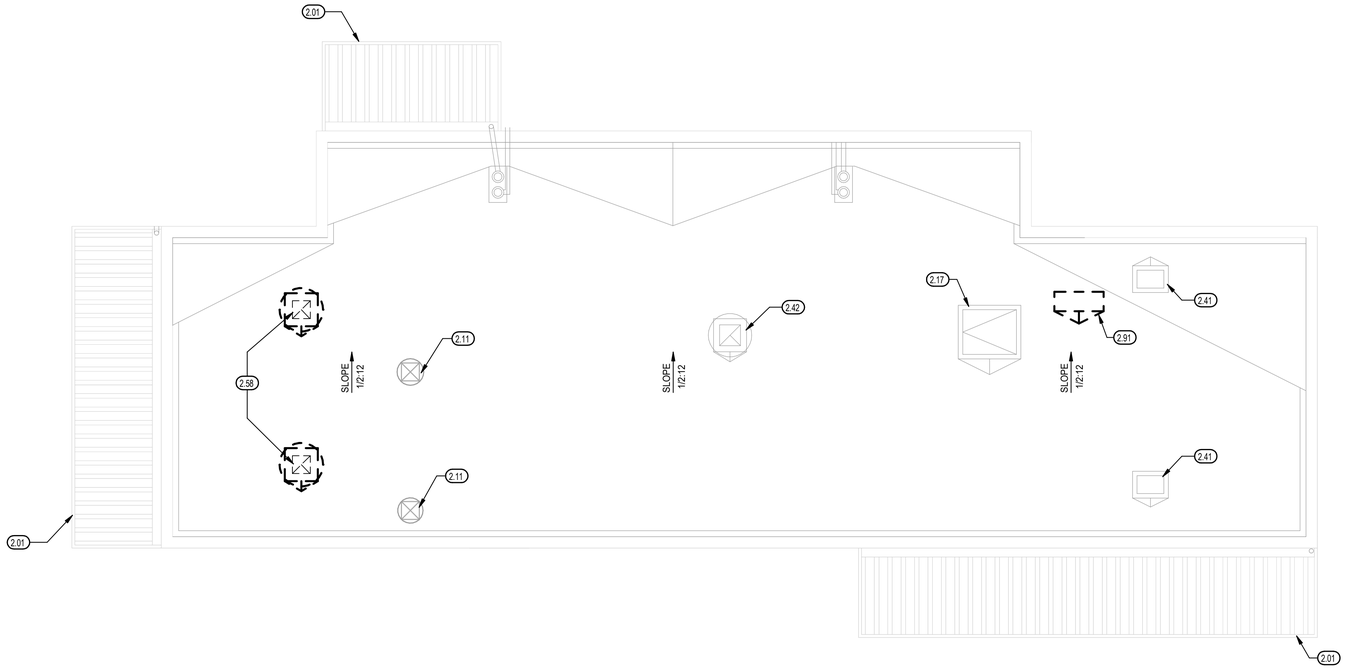
DRAWING TITLE
BLDG. 3700 - POOL EQUIPMENT FLOOR PLANS

PROJECT NO.
02-12828.00

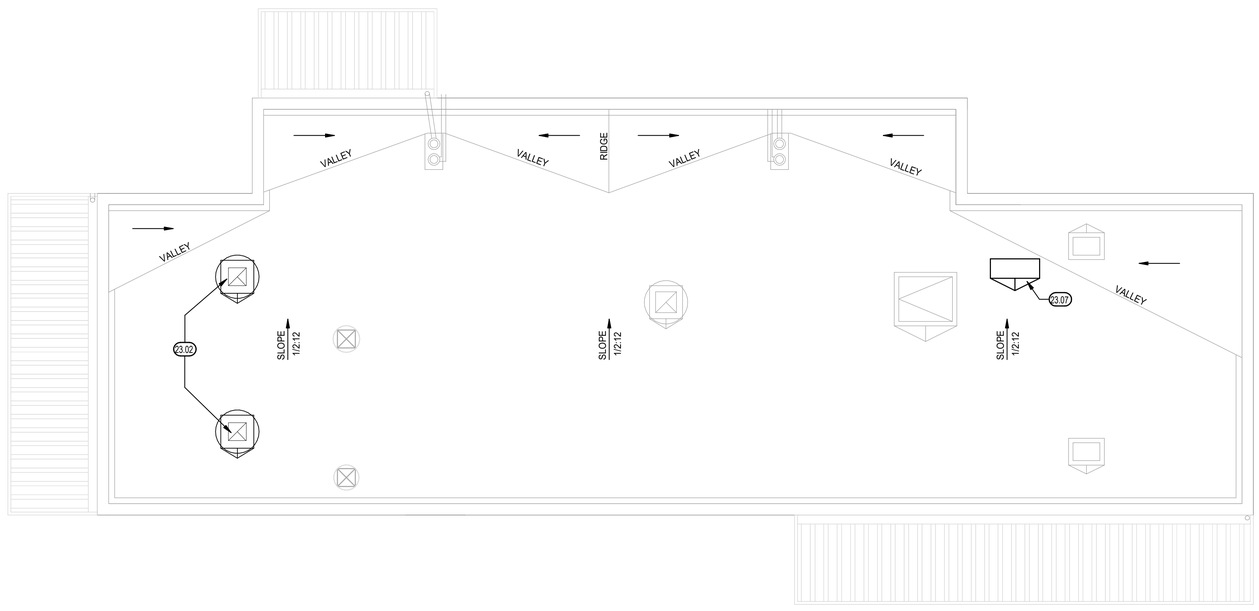
DRAWING
A200

PLOT DATE: 4/17/2024 11:44:19 AM

\\tetr-file1\Users\cesar.silva_TETR\Documents\12828-A-SUSD_Selma HS Pool Mod_cesar.sil.rvt




BLDG. 3700 - POOL EQUIPMENT ROOF PLAN - DEMOLITION 1/4" = 1'-0" | 6




BLDG. 3700 - POOL EQUIPMENT ROOF PLAN - PROPOSED 1/4" = 1'-0" | 8

## KEYNOTES (00.00)

| | |
|---|---|
| 2.01 | EXISTING CANOPY TO REMAIN |
| 2.11 | EXISTING ROOF VENT TO REMAIN |
| 2.17 | EXISTING ROOF ACCESS HATCH TO REMAIN |
| 2.41 | EXISTING ATTIC VENT TO REMAIN |
| 2.42 | EXISTING ROOF MOUNTED EXHAUST FAN TO REMAIN |
| 2.58 | REMOVE EXISTING ROOF MOUNTED EXHAUST FAN(OPER. WT. (18 LBS)), SEE MECHANICAL DRAWINGS |
| 2.91 | REMOVE EXISTING ROOF MOUNTED CONDENSING UNIT(OPER. WT. (150 LBS)), SEE MECHANICAL DRAWINGS |
| 23.02 | ROOF MOUNTED EXHAUST FAN(OPER. WT. (18 LBS)), SEE MECHANICAL |
| 23.07 | HEATPUMP CONDENSING UNIT ON EXISTING ROOF PLATFORM(OPER. WT. (142 LBS)), SEE MECHANICAL DRAWINGS |

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LICENSED ARCHITECT JAMES HIGGINBOTHAM No. C-31421 STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

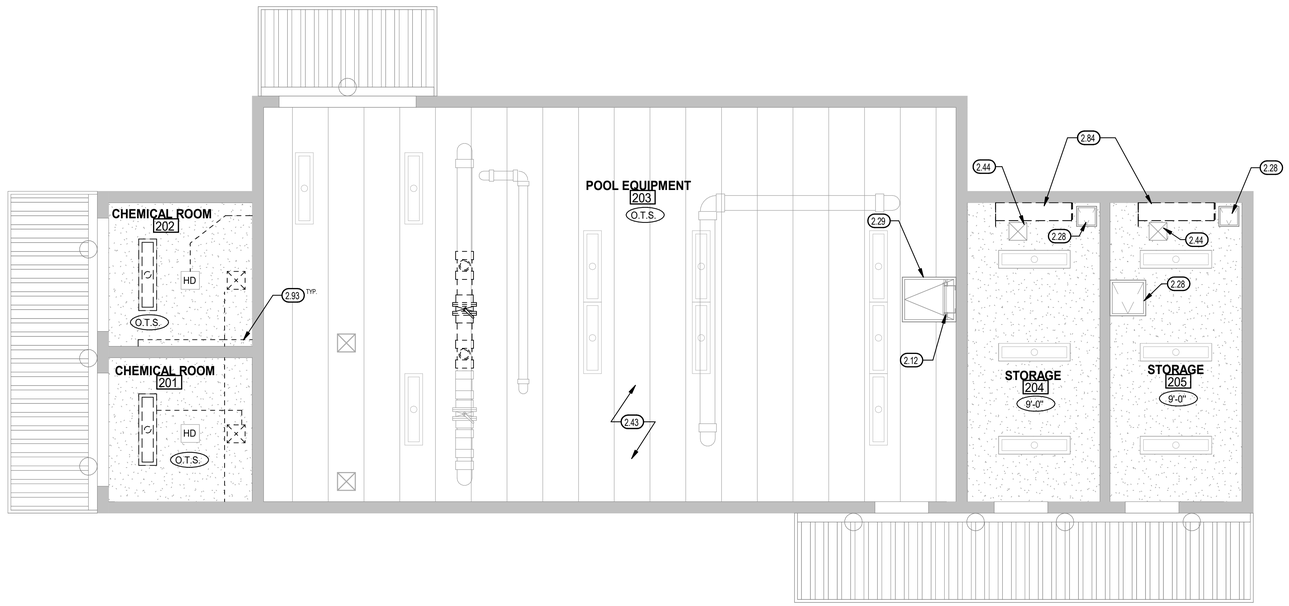
TETER

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

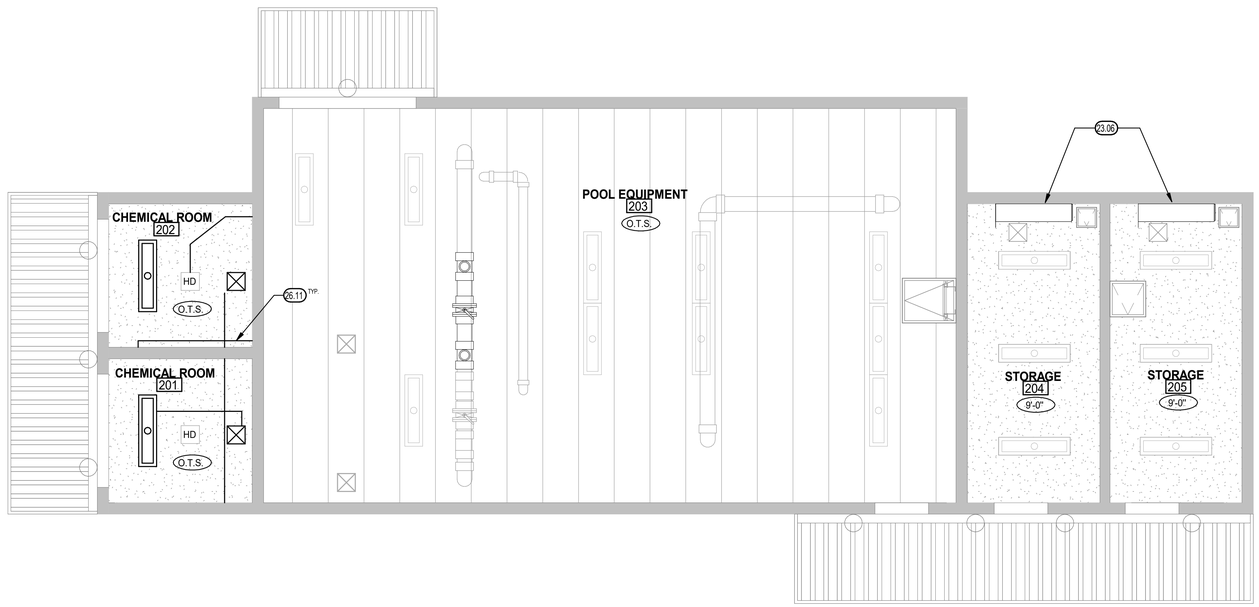
DRAWING TITLE
BLDG. 3700 - EQUIPMENT ROOF PLANS

PROJECT NO.
02-12828.00

DRAWING
A500




BLDG. 3700 - POOL EQUIPMENT REFLECTED CEILING PLAN - DEMOLITION | 1/4" = 1'-0" | 6




BLDG. 3700 - POOL EQUIPMENT REFLECTED CEILING PLAN - PROPOSED | 1/4" = 1'-0" | 8

## KEYNOTES (00.00)

| | |
|---|---|
| 2.12 | EXISTING LADDER TO REMAIN |
| 2.28 | EXISTING CEILING ACCESS HATCH TO REMAIN |
| 2.29 | EXISTING WALL LOUVER TO REMAIN |
| 2.43 | EXISTING EXPOSED CEILING FRAMING TO REMAIN |
| 2.44 | EXISTING MECHANICAL GRILLES TO REMAIN |
| 2.84 | REMOVE EXISTING WALL MOUNTED EQUIPMENT, SEE MECHANICAL DRAWINGS |
| 2.93 | REMOVE EXISTING CONDUITS, SEE ELECTRICAL DRAWINGS |
| 23.06 | WALL MOUNTED EQUIPMENT, SEE MECHANICAL DRAWINGS |
| 26.11 | CONDUITS, SEE ELECTRICAL DRAWINGS |

## LEGEND

- EXISTING OPEN TO STRUCTURE
- EXISTING GYP. BD. CEILING
- ROOM 101 — ROOM SYMBOL
- XXXX — CEILING HEIGHT
- REMOVE EXISTING ELECTRICAL LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- REMOVE EXISTING EXHAUST FAN, SEE MECHANICAL DRAWINGS
- EXISTING ELECTRICAL LIGHT FIXTURE TO REMAIN
- EXISTING WALL MOUNTED LIGHT FIXTURE, TYP.
- HD — EXISTING FIRE ALARM HEAT DETECTOR ON CEILING TO REMAIN
- EXISTING MECHANICAL GRILLES TO REMAIN
- ELECTRICAL LIGHT FIXTURE, SEE ELECTRICAL
- EXHAUST FAN, SEE MECHANICAL DRAWINGS

## GENERAL NOTES

A. CONTRACTOR SHALL PATCH, REPAIR OR REPLACE ANY ADJACENT WORK (WALL, CEILING, FLOOR SURFACES, ETC.) THAT IS DAMAGED, REMOVED AND/OR DEMOLISHED DURING THE COURSE OF CONSTRUCTION. SEE SPECIFICATION REQUIREMENTS FOR CUTTING & PATCHING.

B. ALL WORK WITHIN, ON, OR ABOVE EXISTING CEILINGS SHALL BE PATCHED TO MATCH THE ADJACENT EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO ALL DEMOLITION REQUIRED TO PROPERLY INSTALL PROPOSED IMPROVEMENTS (STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, ETC.).

1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CUTTING & PATCHING REQUIREMENTS.
2. COORDINATE WITH RESPECTIVE TRADES FOR THE EXTENT OF DEMOLITION AND PATCHBACK REQUIRED TO PROPERLY INSTALL PROPOSED IMPROVEMENTS.

C. FOR SUPPORT REQUIREMENTS FOR NEW LIGHT FIXTURES OR HVAC SYSTEM REGISTERS, SEE ELECTRICAL DRAWINGS

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DATE: 05/06/2024



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TETER, INC.
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SELMA HIGH SCHOOL
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3125 WRIGHT ST.
SELMA, CA. 93662

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BLDG. 3700 - REFLECTED CEILING PLAN

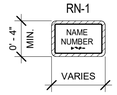
PROJECT NO.
02-12828.00

DRAWING
A600

PLOT DATE: 4/18/2024 11:50:49 AM

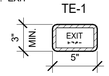
**WALL MOUNTED IDENTIFICATION SIGNAGE @ FUNCTIONAL ROOMS (RN)**

COORDINATE ROOM NAME AND NUMBER WITH OWNER PRIOR TO FABRICATION. DO NOT USE IDENTIFICATION FOUND ON THE DRAWINGS, U.N.O.




**WALL MOUNTED TACTILE EXIT SIGN (TE)**

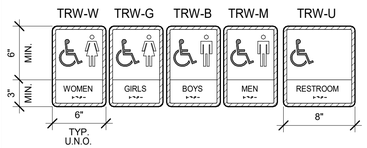
1. EXIT DOOR LEADS DIRECTLY TO GRADE LEVEL EXTERIOR EXIT, SIGN TO STATE: "EXIT"




2. EXIT DOOR LEADS DIRECTLY TO GRADE LEVEL EXTERIOR EXIT BY MEANS OF RAMP OR STAIR, SIGN TO STATE: "EXIT RAMP DOWN", "EXIT STAIR DOWN", "EXIT RAMP UP", AND "EXIT STAIR UP".

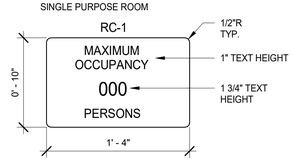
## TYPICAL ROOM IDENTIFICATION

**WALL MOUNTED TOILET SIGNAGE AT ACCESSIBLE TOILETS (TRW)**



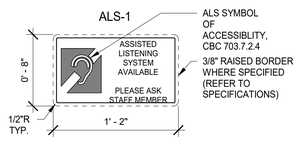

## ROOM CAPACITY SIGN (RC)

SINGLE PURPOSE ROOM




## ASSISTED LISTENING DEVICE (ALS)

1. SEE INTERIOR ELEVATION FOR POSTED LOCATION.




## GENERAL NOTES:

1. INFORMATIONAL SIGNAGE SHALL COMPLY WITH CBC 11B-703.5
2. INFORMATIONAL SIGNS ARE NOT REQUIRED TO HAVE RAISED CHARACTERS AND ACCOMPANYING BRAILLE.
3. LETTERING TO BE 3/4" HIGH MIN. U.N.O.

FINISH AND CONTRAST (CBC 11B-703.5.1): VISUAL CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

CASE (CBC 11B-703.5.2): CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

STYLE (CBC 11B-703.5.3): CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

CHARACTER PROPORTIONS (CBC 11B-703.5.4): CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

CHARACTER HEIGHT (CBC 11B-703.5.5): MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I".

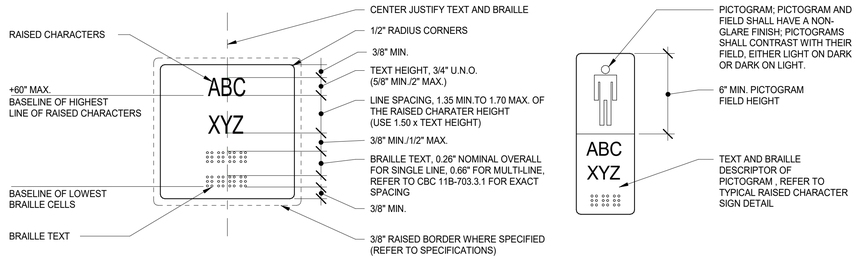
STROKE THICKNESS (CBC 11B-703.5.7): STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

CHARACTER SPACING (CBC 11B-703.5.8): CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF CHARACTER HEIGHT.

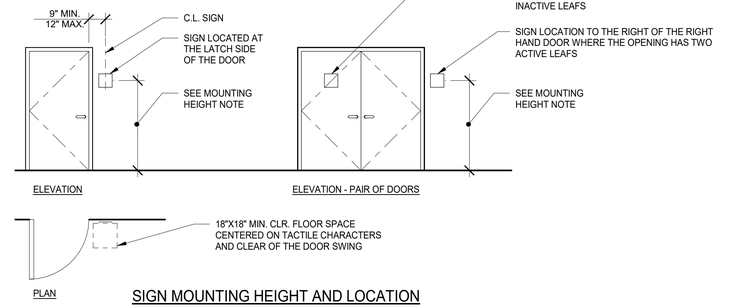
LINE SPACING (CBC 11B-703.5.9): SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.

FORMAT (CBC 11B-703.5.10): TEXT SHALL BE IN A HORIZONTAL FORMAT.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH, PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION, TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.




## TYPICAL ROOM IDENTIFICATION OR TACTILE EXIT SIGN




## SIGN MOUNTING HEIGHT AND LOCATION

## NOTES:

GENERAL: SIGNAGE SHALL COMPLY WITH CBC SECTION 11B-703, RAISED CHARACTER SIGNS SHALL COMPLY WITH CBC 11B-703.2, 11B-703.3 AND 11B-703.4

RAISED CHARACTERS (CBC 11B-703.2): RAISED CHARACTERS (TEXT) SHALL COMPLY WITH CBC SECTION 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE. RAISED CHARACTERS SHALL BE UPPER CASE AND BE RAISED 1/32-INCH MINIMUM ABOVE THEIR BACKGROUND. CHARACTERS SHALL BE SANS SERIF AND NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNUSUAL FORMS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8-INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER. TEXT SHALL BE IN A HORIZONTAL FORMAT. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

BRAILLE (CBC 11B-703.3): BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC SECTIONS 11B-703.3. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH CBC TABLE 703.3.1. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, CENTER JUSTIFIED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM AND FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

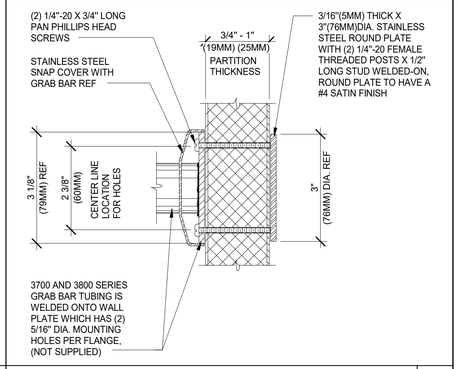
MOUNTING HEIGHT (CBC 11B-703.4.1): TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FORM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.

LOCATION (CBC 11B-703.4.2): SIGNS SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. WHERE PROVIDED, SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE LOCATED AT THE ENTRANCE TO, AND OUTSIDE OF THE ROOM OR SPACE. WHERE PROVIDED, SIGNS IDENTIFYING EXITS SHALL BE LOCATED AT THE EXIT DOOR WHEN APPROACHED IN THE DIRECTION OF EGRESS TRAVEL.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM, CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH, PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION, TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.

## TYPICAL ROOM IDENTIFICATION AND TACTILE SIGNAGE

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




## GRAB BAR @ PARTITION

6" = 1'-0" | 4



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APP: 02-121911 INC:
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LICENSED ARCHITECT CHRISTOPHER JOHN HIGHFILL No. C-30900 STATE OF CALIFORNIA

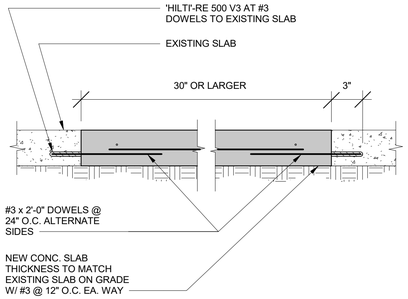
TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
TETER

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DETAILS

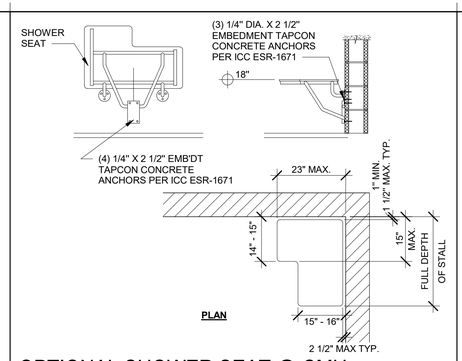
PROJECT NO.
02-12828.00

DRAWING
A800



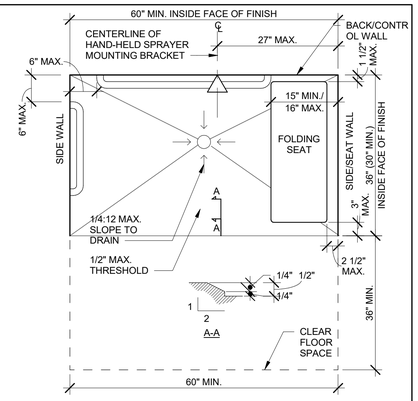

## CONCRETE PATCH

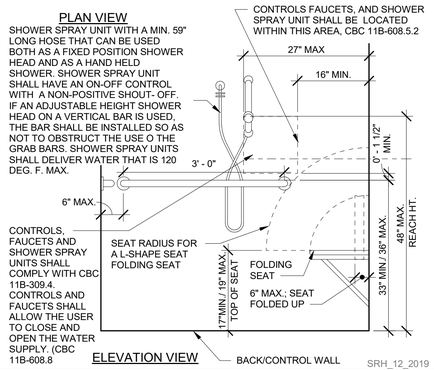
1 1/2" = 1'-0" | 9




## OPTIONAL SHOWER SEAT @ CMU WALL

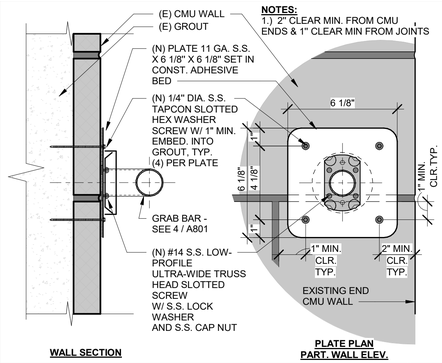
1/2" = 1'-0" | 5



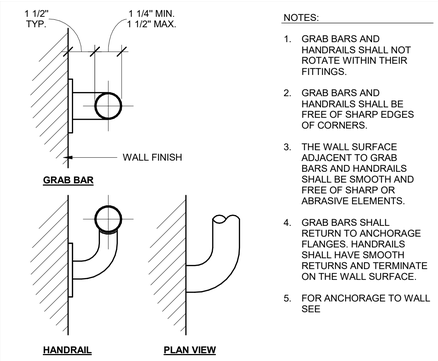

## ACCESSIBLE SHOWER

N.T.S. | 2



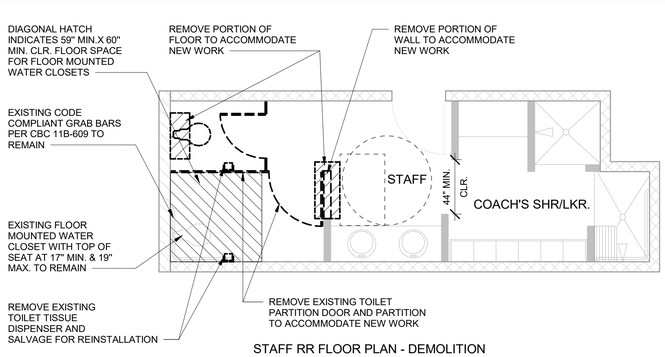

## GRAB BAR ANCHORAGE - CMU WALL

3" = 1'-0" | 3

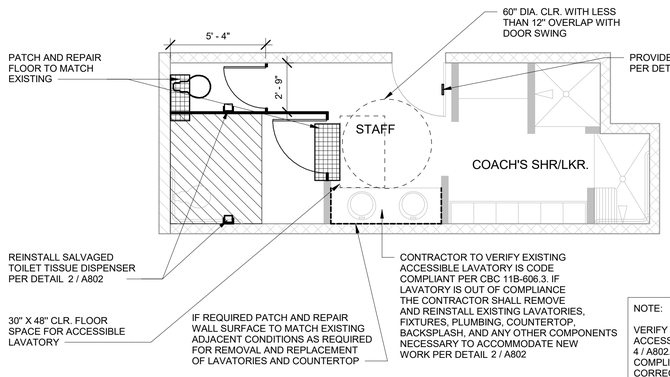



## TYP. GRAB BAR AND HANDRAIL

N.T.S. | 4




STAFF RR FLOOR PLAN - DEMOLITION



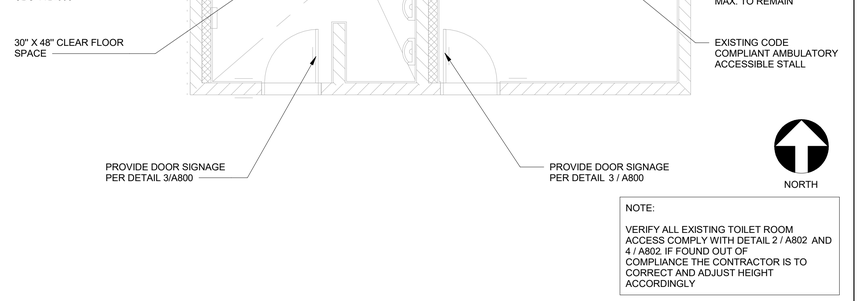

STAFF RR FLOOR PLAN - PROPOSED

NOTE:

VERIFY ALL EXISTING TOILET ROOM ACCESS COMPLY WITH DETAIL 2 / A802 AND 4 / A802. IF FOUND OUT OF COMPLIANCE THE CONTRACTOR IS TO CORRECT AND ADJUST HEIGHT ACCORDINGLY

## STAFF TOILET ROOM AT BLDG. 1750

1/4" = 1'-0" | 16




NOTE:

VERIFY ALL EXISTING TOILET ROOM ACCESS COMPLY WITH DETAIL 2 / A802 AND 4 / A802. IF FOUND OUT OF COMPLIANCE THE CONTRACTOR IS TO CORRECT AND ADJUST HEIGHT ACCORDINGLY

## STUDENT TOILET ROOM AT BLDG. 1722

1/4" = 1'-0" | 8

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DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

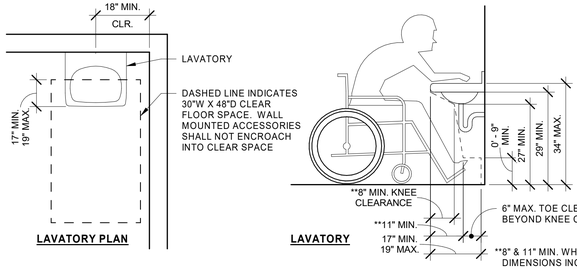
SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DETAILS

PROJECT NO.
02-12828.00

DRAWING
A801

PLOT DATE: 4/17/2024 2:17:26 PM

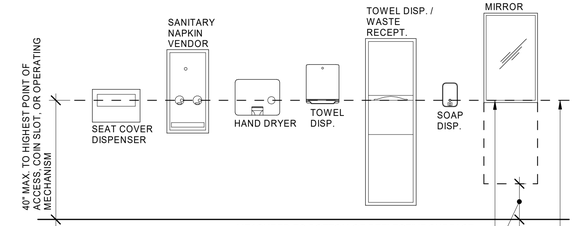



LAVATORY PLAN

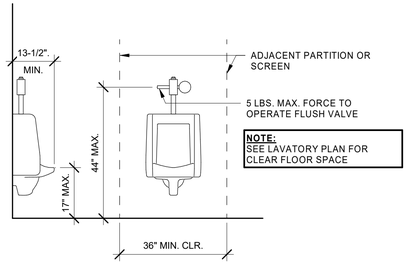
LAVATORY

**LAVATORY NOTES:**

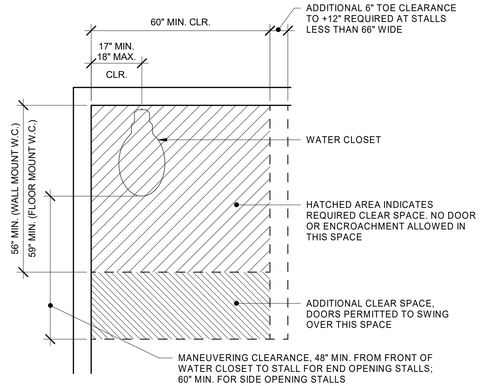
1. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
2. FAUCETS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING PINCHING OR TWISTING.
3. THE FORCE TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.
4. SELF-CLOSING VALVES SHALL REMAIN OPEN FOR 10 SECONDS MIN.



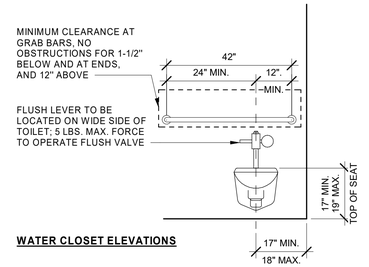

ACCESSORY MOUNTING HEIGHTS



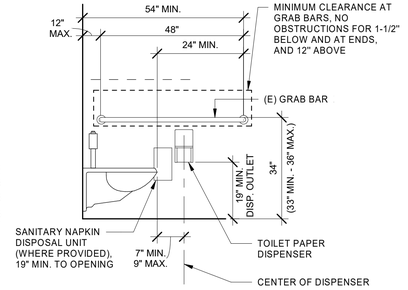

URINAL




WATER CLOSET CLEAR SPACE




WATER CLOSET ELEVATIONS

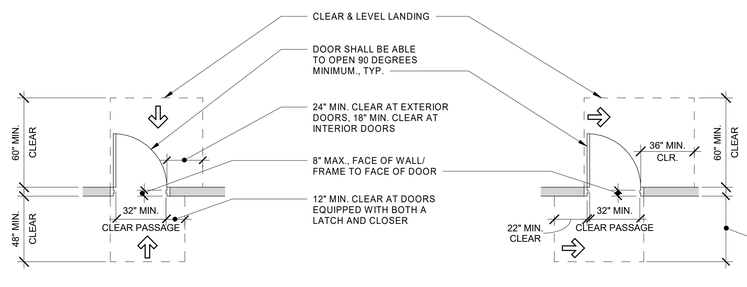



REQUIREMENTS ALSO APPLY TO TANK TYPE TOILETS.

SRH_12_2019

## ACCESSIBLE FIXTURE & ACCESSORY MOUNTING HEIGHTS & CLEARANCES

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



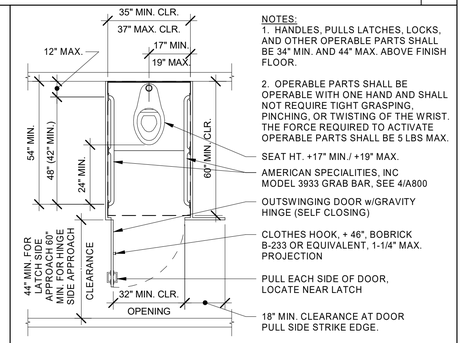

(A) FRONT APPROACH

(B) HINGE APPROACH

(C) LATCH APPROACH

## ACCESSIBLE MANEUVERING CLEARANCE AT DOORS

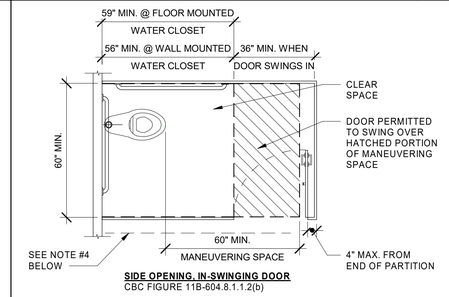
1/4" = 1'-0" | 7



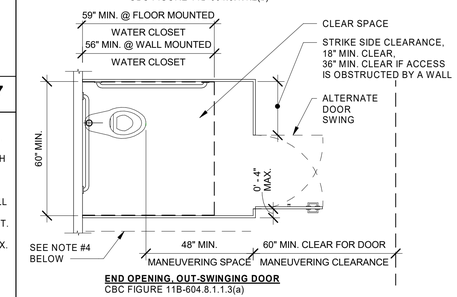

## AMBULATORY ACCESSIBLE TOILET COMPARTMENT

SRH_12_2019

3/8" = 1'-0" | 8




SIDE OPENING, IN-SWINGING DOOR
CBC FIGURE 11B-604.8.1.1.2(b)




END OPENING, OUT-SWINGING DOOR
CBC FIGURE 11B-604.8.1.1.3(a)

TOILET COMPARTMENT NOTES:

1. A 44" MIN. WIDTH ACCESIBLE ROUTE SHALL BE PROVIDED TO ACCESSIBLE TOILET COMPARTMENTS.
2. DOOR CLEAR WIDTH, 32" MIN. FOR END OPENING STALLS AND 34" MIN. FOR SIDE OPENING STALLS.
3. ACCESSIBLE STALL DOORS SHALL BE SELF CLOSING AND SHALL HAVE A PULL ON EACH SIDE OF THE DOOR NEAR THE LATCH, PULLS SHALL COMPLY WITH CBC 11B-404.2.7.
4. ADDITIONAL TOE CLEARANCE IS REQUIRED AT WIDE SIDE OF COMPARTMENT, 6" MIN. BEYOND INSIDE FACE OF COMPARTMENT BY 12" MIN. HIGH, MAY BE OBSTRUCTED BY PARTITION SUPPORT MEMBERS; PARTITION COMPONENTS AT TOE SPACE SHALL BE SMOOTH WITHOUT SHARP EDGES OR ABRASIVE SURFACES; TOE CLEARANCE IS NOT REQUIRED FOR COMPARTMENTS OF 66" MIN. WIDTH.

## TYPICAL TOILET COMPARTMENT CONFIGURATION

SRH_12_2019

3/8" = 1'-0" | 4



| MARK | DATE | DESCRIPTION |
|---|---|---|
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TETER, INC.
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VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
TYP. ACCESSIBLE DETAILS

PROJECT NO.
02-12828.00

DRAWING
A802

PLOT DATE: 4/16/2024 11:32:27 AM

\\tetr-file1\Users\matt.soderstrom_TETR\Documents\12828-P-SUSD_Selma HS Pool Mod_matt.soderstrom.rvt

# PLUMBING SCHEDULE

## PLUMBING FIXTURE SCHEDULE

| MARK | FIXTURE | S OR W | V | CW | HW | DESCRIPTION |
|---|---|---|---|---|---|---|
| SH-1 | MULTIPLE STATION SHOWER | 2" | 1-1/2" | 1-1/2" | 1-1/2" | BRADLEY COL-4C-A-SX15-ST-DG, (4) STATION 304 STAINLESS STEEL PEDESTAL SHOWER COLUMN, EQUA-FLO HEAVY DUTY VALVE, SEVERE SERVICE 1.5 GPM SHOWERHEAD, SUPPLY STOPS, DOME GRATE DRAIN, UTILITY CONNECTIONS FROM BELOW, STANDARD 6'-0" HEIGHT. |
| SH-2 | SHOWER ADA | ---- | ---- | 3/4" | 3/4" | BRADLEY HN250-T24-HD-SX15-S15-VL-ST-VS, 14 GA STAINLESS STEEL, SURFACE MOUNT ADA AND T24 COMPLIANT ACCESSIBLE SHOWER, EQUA-FLO HEAVY DUTY VALVE, SEVERE SERVICE 1.5 GPM SHOWERHEAD AT 6'-0" HEIGHT, STANDARD 1.5 GPM SHOWERHEAD WITH BALL JOINT AT 4'-0", LEFT HAND VALVE, SUPPLY STOPS AND VANDAL RESISTANT SCREWS. |
| ESE-1 | EMERGENCY SHOWER EYE/FACE WASH | ---- | ---- | 1-1/4" | ---- | GUARDIAN GBF1994-BC ACCESSIBLE FREE STANDING STAINLESS STEEL COMBINATION EMERGENCY DRENCH SHOWER EYE AND EYE/FACE WASH UNIT WITH STAY OPEN ACTIVATED PULL ROD VALVE FOR SHOWER, STAY OPEN ACTIVATED PUSH HANDLE FOR EYE/FACE WASH WITH (4) HEADS, OPTIONAL STAINLESS STEEL COVER, ANSI COMPLIANT IDENTIFICATION SIGN TO BE MOUNTED ON WALL. |
| HB-1 | HOSE BIBB | ---- | ---- | 3/4" | ---- | WOODFORD #24P, 3/4" INLET BRASS, WALL HOSE FAUCET WITH LOCKSHIELD, NON-REMOVABLE VACUUM BREAKER, ROUGH CHROME FINISH. |

# ANCHORAGE & BRACING NOTES

MEP COMPONENT ANCHORAGE NOTE

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

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

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD 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.
MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE APPROVAL (OPM #) #_____.

# GENERAL NOTES

1. COORDINATION OF WORK: LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY.
2. THE ACTUAL LOCATION OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS.
3. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
4. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE OWNER REPRESENTATIVE.
5. MINIMUM SLOPE FOR SEWER IS 1/4" PER FT, UNLESS OTHERWISE NOTED.
6. ALL ROOF PENETRATIONS SHALL BE COMPATIBLE WITH ROOF SYSTEM WITH AS FEW PENETRATIONS AS POSSIBLE.
7. MINIMUM DOMESTIC WATER PIPE SIZE TO BE 3/4" UNLESS OTHERWISE NOTED. USE A REDUCING ELL AT FIXTURE, IF NECESSARY.
8. ALL PLUMBING FIXTURES, VALVES, FAUCETS, FIXTURE STOPS, ETC. WHICH PROVIDE WATER FOR HUMAN CONSUMPTION MUST MEET THE "LEAD FREE" REQUIREMENT FOR THE STATE OF CALIFORNIA.
9. MAXIMUM ALLOWABLE DISTANCE FOR HOT WATER LATERALS TO FIXTURES OFF OF THE CIRCULATING MAIN SHALL BE 10'-0" FOR HAND WASH SINKS AND LAVS, AND 15'-0" FOR OTHER SINKS.

# PLUMBING LEGEND

| SYMBOL | ITEM | ABBR. |
|---|---|---|
| | ABOVE | ABV |
| | ABOVE CEILING | ABV CLG |
| | ABOVE FINISHED FLOOR | AFF |
| | ALTERNATE | ALT |
| & | AND | |
| | ARCHITECT / ARCHITECTURAL | ARCH |
| @ | AT | |
| | BELOW FLOOR | BEL FLR |
| | BELOW GRADE | BEL GR |
| | CALIFORNIA MECHANICAL CODE | CMC |
| | CALIFORNIA PLUMBING CODE | CPC |
| | CEILING | CLG |
| ℄ | CENTER LINE | |
| | CONTINUATION | CONT |
| | CUBIC FEET PER HOUR | CFH |
| ∅ | DIAMETER | DIA |
| | DOWN | DN |
| | DRAWING | DWG |
| | ELBOW | ELL |
| | ELECTRICAL | ELEC |
| | EXISTING | (E) |
| | FEET | FT |
| | FLOOR | FLR |
| | FLOW LINE | FL |
| | GALLON | GAL |
| | GALLONS PER HOUR | GPH |
| | GALLONS PER MINUTE | GPM |
| | GAUGE | GA |
| | INSIDE DIAMETER | ID |
| | INVERT ELEVATION | I.E. |
| | MAXIMUM | MAX |
| | MINIMUM | MIN |
| | NEW | (N) |
| | NOT IN CONTRACT | NIC |
| | NOT TO SCALE | NTS |
| # | NUMBER | NO. |
| | OUTSIDE DIAMETER | OD |
| | POUNDS | LBS |
| | POUNDS PER SQUARE INCH | PSI |
| | POUNDS PER SQUARE INCH ABSOLUTE | PSIA |
| | POUNDS PER SQUARE INCH GAUGE | PSIG |
| | POLYVINYL CHLORIDE | PVC |
| | ROOM | RM |
| | SPECIFICATION | SPEC |
| | SQUARE FEET | SQ FT |
| | STAINLESS STEEL | SS |
| | TEMPERATURE | TEMP |
| | THROUGH | THRU |
| | TYPICAL | (TYP) |
| | UNDER GROUND | U/G |
| | WATER COLUMN | WC |
| | WITH | W/ |
| | WITHOUT | W/O |
| A | COMPRESSED AIR | A |
| AV | ACID VENT | AV |
| AW | ACID WASTE | AW |
| | ACID VENT RISER | AVR |
| | ACID VENT THRU ROOF | AVTR |
| CD | CONDENSATE DRAIN | CD |
| | DOMESTIC COLD WATER | CW |
| | DOMESTIC HOT WATER | HW |
| | DOMESTIC HOT WATER RETURN | HWR |
| G | LOW PRESSURE NATURAL GAS | G |
| HPG | HIGH PRESSURE GAS | HPG |
| ICW | INDUSTRIAL COLD WATER | ICW |
| LPG | LIQUIFIED PETROLEUM GAS | LPG |
| F | FIRE PROTECTION LINE | |

| SYMBOL | ITEM | ABBR. |
|---|---|---|
| RWL | RAIN WATER LEADER | RWL |
| OD | OVERFLOW DRAIN | OD |
| SD | STORM DRAIN | SD |
| | SOIL or WASTE | S or W |
| MA | MEDICAL AIR | MA |
| $O_2$ | OXYGEN | $O_2$ |
| VAC | VACUUM | VAC |
| | VENT | V |
| | VENT RISER | VR |
| | VENT THRU ROOF | VTR |
| | CLEANOUT TO GRADE | COTG |
| | DEMOLITION | DEMO |
| | EXISTING PIPING | |
| | FLOOR CLEANOUT | FCO |
| | HOSE BIBB | |
| | PIPING TURN UP | |
| | PIPING TURN DOWN | |
| | PIPING CAP | |
| | POINT OF CONNECTION TO EXISTING | POC |
| | ANGLE VALVE | |
| | BALANCE VALVE | |
| | BALL VALVE | |
| | CHECK VALVE | |
| | CONCENTRIC REDUCER | |
| | TWO-WAY CONTROL VALVE | |
| | PLUG VALVE | |
| | PRESSURE REDUCING VALVE | |
| | SHUT-OFF VALVE IN BOX | SOV |
| | SHUT-OFF VALVE | SOV |
| | THERMOSTATIC MIXING VALVE | |
| | TEMPERATURE / PRESSURE RELIEF VALVE | PRV |
| | UNION | |
| | WALL CLEANOUT | WCO |
| | "Y" TYPE STRAINER | |
| P | PRESSURE GAUGE | |
| T | TEMPERATURE GAUGE | |
| 1 | KEYNOTE | |
| 2 / P202 | DETAIL REFERENCE EXAMPLE: DETAIL 2, SHEET P202 | |
| 3 / P400 | SECTION REFERENCE EXAMPLE: SECTION 3, SHEET P400 | |

# PLUMBING SHEET INDEX



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
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| | 2/21/24 | DSA BACKCHECK |


TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

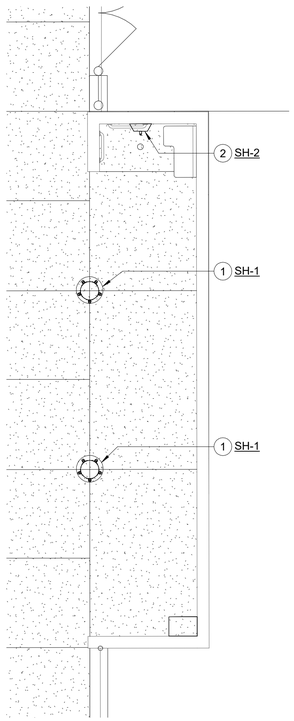

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
PLUMBING SCHEDULE, LEGEND, AND NOTES

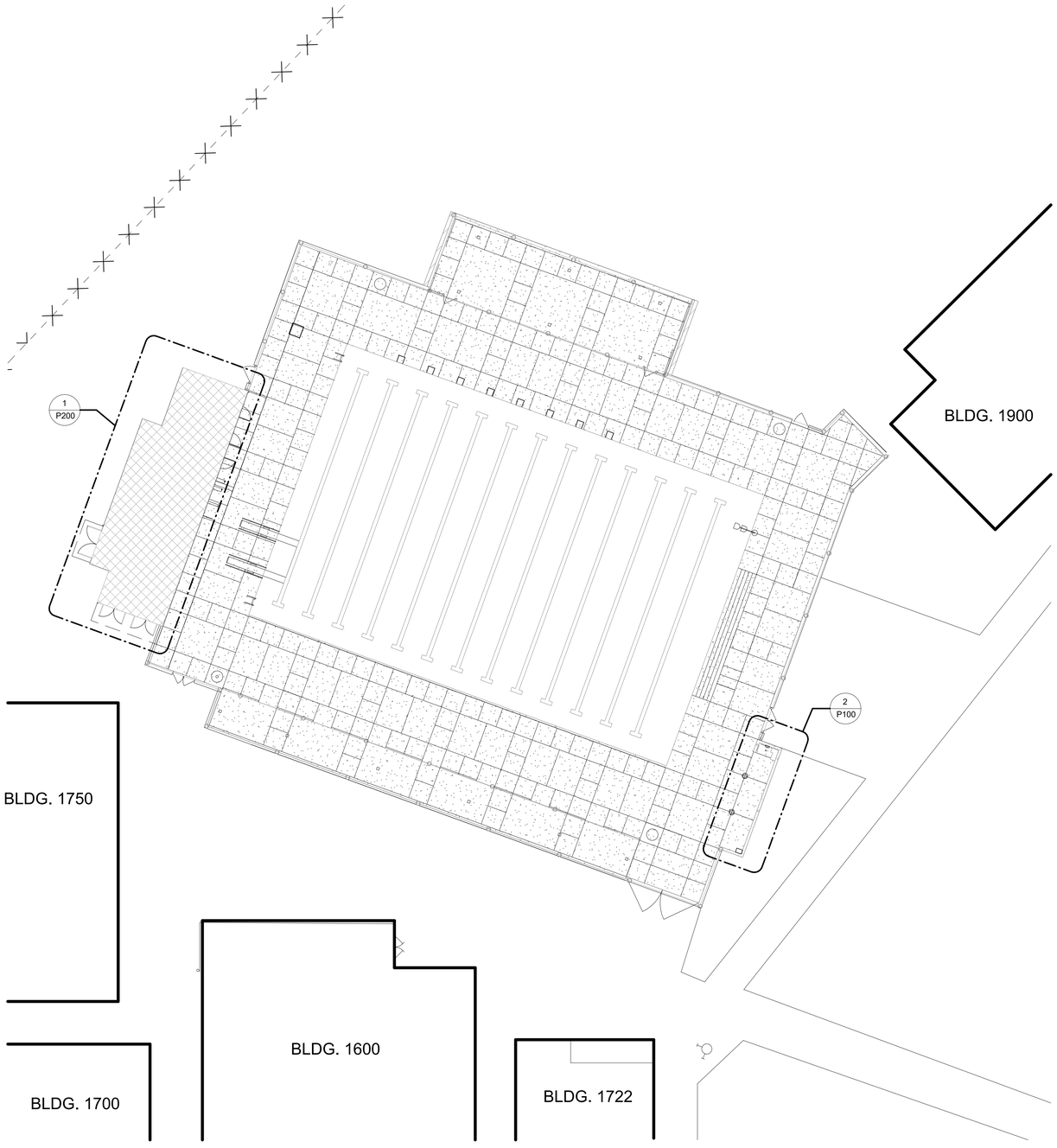
PROJECT NO.
02-12828.00

DRAWING
P001

PLOT DATE: 1/24/2024 4:16:17 PM




ENLARGED PROPOSED SHOWER AREA 1/4" = 1'-0" 2




ENLARGED PROPSED PLUMBING SITE PLAN 1/16" = 1'-0" 1

## KEYNOTES

1 REMOVE (E) PEDESTAL SHOWER. INSTALL NEW PEDESTAL SHOWER AND RECONNECT TO (E) UTILITIES.

2 REMOVE (E) WALL MOUNT ACCESSIBLE SHOWER. INSTALL NEW WALL MOUNT SHOWER AND RECONNECT TO (E) HW AND CW UTILITIES. SEE ARCHITECTURAL FOR REQUIRED MOUNTING HEIGHT.

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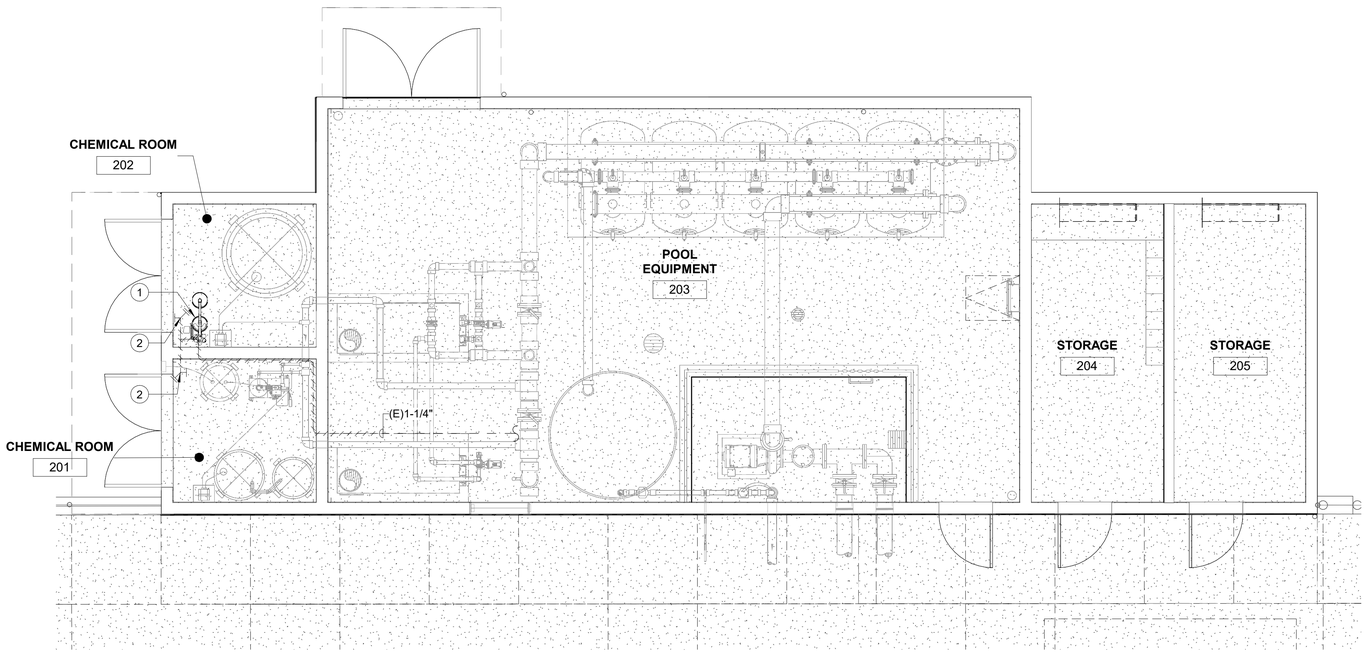
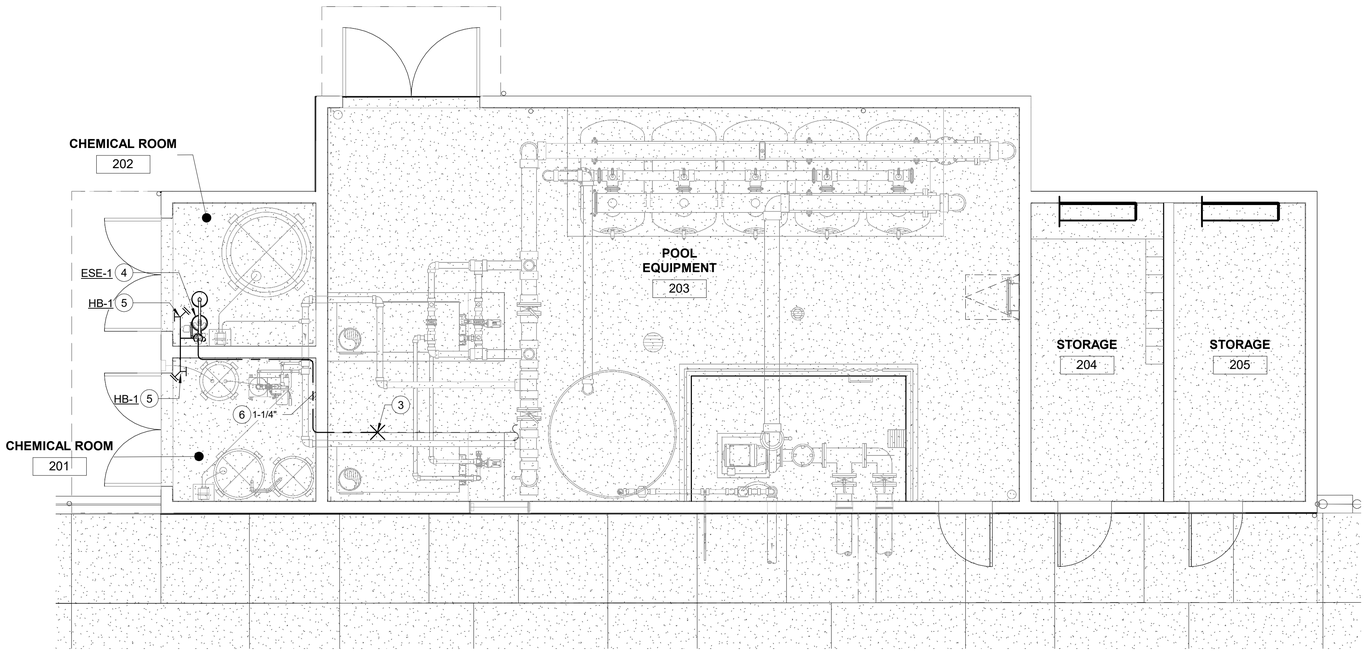
DRAWING TITLE
PLUMBING SITE PLAN

PROJECT NO.
02-12828.00

DRAWING
P100




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




ENLARGED PROPOSED PLUMBING FLOOR PLAN — 1/4" = 1'-0" | 2

## KEYNOTES

1 REMOVE (E) COMBINATION EMERGENCY SHOWER EYE/FACE WASH AND ALL EXPOSED PIPING.
2 REMOVE (E) HOSE BIBB AND ALL EXPOSED PIPING.
3 POC (N) 1-1/4" STAINLESS STEEL TO (E) 1-1/4" COPPER CW PIPING.
4 1-1/4" SS CW PIPING DOWN TO NEW COMBINATION EMERGENCY SHOWER & EYE/FACE WASH.
5 3/4" SS CW DOWN TO NEW HOSE BIBB.
6 ROUTE (N) SS CW PIPING THROUGH (E) WALL PENETRATIONS AND ALONG WALL. REUSE (E) SUPPORTS.

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DATE: 05/06/2024



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DRAWING TITLE
PLUMBING PLAN

PROJECT NO.
02-12828.00

DRAWING
P200

# ANCHORAGE & BRACING NOTES

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

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

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD 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 [X] MD [X] PP [ ] E [ ] - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP [ ] MD [ ] PP [ ] E [ ] - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____.

# DSA ACCEPTANCE TESTING NOTE

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

# LEGEND

| SYMBOL | ITEM | ABBR. |
|---|---|---|
| | ABOVE | ABV |
| | ABOVE CEILING | ABV CLG |
| | ABOVE FINISHED FLOOR | AFF |
| | ALTERNATE | ALT |
| | AIR CONDITIONING | AC |
| | AIR FLOW STATION | AFS |
| | AIR HANDLER UNIT | AHU |
| | ANALOG INPUT | AI |
| | ANALOG OUTPUT | AO |
| & | AND | |
| | ARCHITECT / ARCHITECTURAL | ARCH |
| @ | AT | |
| | BACKDRAFT DAMPER | BDD |
| | BELOW FINISH CEILING | BFC |
| | BELOW FLOOR | BEL FLR |
| | BELOW GRADE | BEL GR |
| | BLIND FLANGE | BLF |
| | BRITISH THERMAL UNIT | BTU |
| | BRITISH THERMAL UNIT PER HOUR | BTUH |
| | CALIFORNIA MECHANICAL CODE | CMC |
| | CALIFORNIA PLUMBING CODE | CPC |
| | CEILING | CLG |
| ℄ | CENTER LINE | |
| | CONTINUATION | CONT |
| | CUBIC FEET OF AIR PER MINUTE | CFM |
| | CURRENT SENSOR | CS |
| Φ | DIAMETER | DIA |
| | DIFFERENTIAL PRESSURE SWITCH | DPS |
| | DIGITAL INPUT | DI |
| | DIGITAL OUTPUT | DO |
| | DOWN | DN |
| | DRAWING | DWG |
| | ELECTRICAL | ELEC |
| | ELBOW | ELL |
| | EXHAUST | EXH |
| | EXHAUST AIR | EA |
| | EXHAUST FAN | EF |
| | EXISTING | (E) |
| | FEET | FT |
| | FLOOR | FLR |
| | FLOW LINE | FL |
| | FLOW SWITCH | FS |
| | GAUGE | GA |
| | GALLON | GAL |
| | GALLONS PER HOUR | GPH |
| | GALLONS PER MINUTE | GPM |
| | INSIDE DIAMETER | ID |
| | MAKE-UP AIR UNIT | MAU |
| | MAXIMUM | MAX |
| | MINIMUM | MIN |
| | NEW | (N) |
| | NOT IN CONTRACT | NIC |
| | NOT TO SCALE | NTS |
| # | NUMBER | NO. |
| | OUTSIDE AIR | OSA |
| | OUTSIDE DIAMETER | OD |
| | POUNDS | LBS |
| | POUNDS PER SQUARE INCH | PSI |
| | POUNDS PER SQUARE INCH ABSOLUTE | PSIA |
| | POUNDS PER SQUARE INCH GAUGE | PSIG |
| | POLYVINYL CHLORIDE | PVC |
| | PRESSURE STATION | PS |
| | RETURN AIR | RA |
| | ROOM | RM |
| | SUPPLY AIR | SA |
| | SPECIFICATION | SPEC |
| | SQUARE FEET | SQ FT |
| | STAINLESS STEEL | SS |
| | TEMPERATURE | TEMP |
| | TEMPERATURE SENSOR | TS |
| | THROUGH | THRU |
| | TYPICAL | (TYP) |

| SYMBOL | ITEM | ABBR. |
|---|---|---|
| | UNDER GROUND | U/G |
| | VARIABLE AIR VOLUME UNIT | VAV |
| | WITH | W/ |
| | WITHOUT | W/O |
| BD | BOILER BLOWDOWN | |
| BF | BOILER FEED | |
| CF | CHEMICAL FEED | |
| A | COMPRESSED AIR | A |
| CHWS | CHILLED WATER SUPPLY | CHWS |
| CHWR | CHILLED WATER RETURN | CHWR |
| CWS | CONDENSER WATER SUPPLY | CWS |
| CWR | CONDENSER WATER RETURN | CWR |
| CW | DOMESTIC COLD WATER | |
| HWS | HOT WATER SUPPLY | HWS |
| HWR | HOT WATER RETURN | HWR |
| RD | REFRIGERANT DISCHARGE | RD |
| RL | REFRIGERANT LIQUID | RL |
| RS | REFRIGERANT SUCTION | RS |
| SCW | SOFT COLD WATER | |
| S | STEAM SUPPLY | S |
| CR | STEAM CONDENSATE RETURN | CR |
| SBD | SURFACE BLOWDOWN | |
| D | DRAIN | D |
| | PIPING CAP | |
| | EXISTING (DESIGNATED) | (E) |
| | REMOVE / DEMO EXISTING (DESIGNATED) | |
| | DIRECTION OF FLOW | |
| | SUPPLY AIR | SA |
| | RETURN AIR | RA |
| | EXHAUST AIR | EA |
| | PIPE/DUCT TURN DOWN | |
| | PIPE/DUCT TURN UP | |
| | ROUND DUCT (SMALLER THAN 10Ø ) | |
| | ROUND FLEXIBLE DUCT | |
| | RECTANGULAR OR ROUND DUCT (10Ø AND LARGER) | |
| | EXISTING DUCT (DESIGNATED) | |
| | REMOVE/ DEMO EXISTING DUCT (DESIGNATED) | |
| | DUCT WITH ACOUSTIC LINING | |
| | SUPPLY AIR DUCT DROP | |
| | SUPPLY AIR DUCT RISE | |
| | RETURN AIR DUCT DROP | |
| | RETURN AIR DUCT RISE | |
| | EXHAUST AIR DUCT DROP | |
| | EXHAUST AIR DUCT RISE | |
| | OUTSIDE AIR DUCT DROP | |
| | OUTSIDE AIR DUCT RISE | |
| | TURNING VANES | TV |
| | EXTRACTOR | |
| CO | $CO_2$ SENSOR | |
| DD | DUCT DETECTOR | DD |
| HD | HEAT DETECTOR | HD |
| SD | SMOKE DETECTOR | SD |
| M | MOTORIZED DAMPER | |
| | FIRE DAMPER W/MOTORIZED RESET AND ACCESS DOOR | |
| | FIRE DAMPER WITH ACCESS PANEL OR SECURITY BARS | |
| -OR- | FIRE DAMPER WITH ACCESS PANEL | FD |
| -OR- | FIRE/SMOKE DAMPER WITH ACCESS PANEL | F/SD |
| | VOLUME CONTROL DAMPER WITH LOCKING QUADRANT | VCD |
| T | REMOTE T'STAT WITH SENSOR IN DUCT | |
| T AC-1 | THERMOSTAT; THERMOSTAT LABEL EXAMPLE: THERMOSTAT FOR AC-1 MOUNT AT 48" AFF TO TOP OF BOX | T'STAT |
| | POINT OF CONNECTION TO EXISTING | POC |
| | BYPASS TIMER | BPT |
| | THERMOMETER | |
| | PRESSURE GAGE | |

| SYMBOL | ITEM | ABBR. |
|---|---|---|
| | SECURITY BARS | |
| | PETE'S PLUG | |
| | BALANCING COCK | |
| | BALL VALVE | |
| | BUTTERFLY VALVE | |
| | CHECK VALVE | |
| | CONCENTRIC REDUCER | |
| | TWO-WAY CONTROL VALVE | |
| | FLOW SWITCH | FS |
| | FLEXIBLE CONNECTION | FLEX |
| | GATE VALVE | |
| | GLOBE VALVE | |
| | INSTRUMENT WELL | |
| | PLUG VALVE | |
| | PRESSURE RELIEF VALVE | PRV |
| | "Y" TYPE STRAINER | |
| | UNION | |
| 1 | KEYNOTE | |
| A | GRILLE TAG | |
| EF 8 | NEW EQUIPMENT TAG EXAMPLE: DESCRIPTION EF, MARK NUMBER 8 | |
| 2 / M202 | DETAIL REFERENCE EXAMPLE: DETAIL 2, SHEET M202 | |
| 3 / M400 | SECTION REFERENCE EXAMPLE: SECTION 3, SHEET M400 | |

# GENERAL NOTES

1. COORDINATION OF WORK: LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY.
2. THE ACTUAL LOCATION OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS.
3. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
4. PROVIDE ALL DUCT TRANSITION PIECES AND FITTINGS REQUIRED TO ACCOMMODATE MECHANICAL EQUIPMENT CONNECTIONS, STRUCTURE, ARCHITECTURAL ELEMENTS, AND CHANGES IN DUCT SIZES.
5. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY SMACNA AND CHAPTER 6 OF THE 2022 CMC.
6. ALL DUCTWORK AND PIPING SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF THE 2022 CMC. INSULATION MATERIALS SHALL MEET THE CALIFORNIA QUALITY STANDARD PER SECTION 110.8, 120.3, AND 120.4 OF THE 2022 CALIFORNIA ENERGY CODE.
7. ALL DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS.
8. DUCTWORK SHALL BE SHEET METAL CONSTRUCTED IN COMPLETE CONFORMANCE WITH CMC LATEST EDITION, CHAPTER 6 AND THE LATEST SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
9. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE OWNER REPRESENTATIVE.
10. PROVIDE VOLUME DAMPERS IN ALL BRANCH DUCTS (SUPPLY, RETUTRN, O.A. AND EXHAUST) FOR SYSTEM BALANCING.
11. HANDLE, STORE AND INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS AND AS DIRECTED IN THE PROJECT MANUAL.
12. ALL AIR SYSTEMS SHALL BE TESTED, ADJUSTED AND BALANCED TO MEET THE REQUIRED FLOW. TAB METHODOLOGY SHALL BE SUBMITTED TO OWNER REPRESENTATIVE PRIOR TO IMPLEMENTATION AND IN ACCORDANCE WITH PROJECT SEQUENCING.

# MECHANICAL SHEET INDEX




IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024




| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 2/21/24 | DSA BACKCHECK |

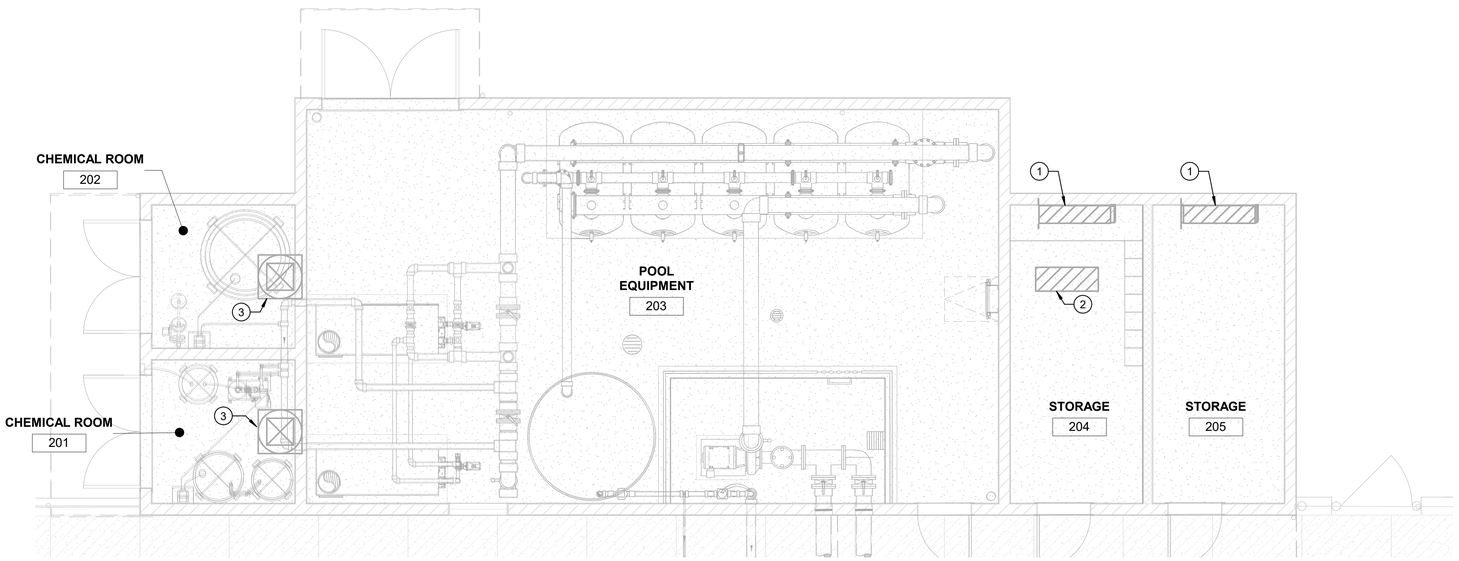

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO


SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
MECHANICAL LEGENDS, AND NOTES

PROJECT NO.
02-12828.00

DRAWING
M001




NORTH

PROJECT NORTH

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

## KEYNOTES

1 REMOVE (E) WALL MOUNTED FAN COIL. DISCONNECT (E) REFRIGERANT PIPING AND PRESERVE FOR RECONNECTION TO NEW UNIT.

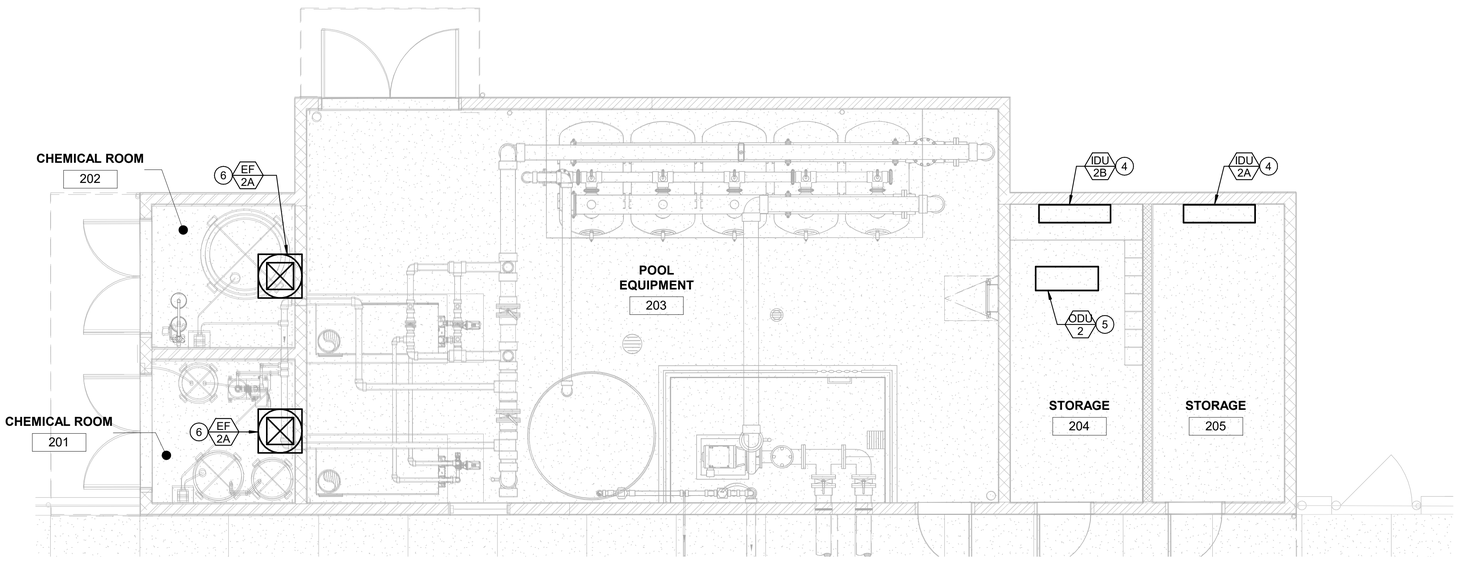
2 REMOVE (E) ROOF MOUNTED CONDENSING UNIT. DISCONNECT (E) REFRIGERANT PIPING AND PRESERVE FOR RECONNECTION TO NEW UNIT. (E) PLATFORM TO REMAIN.

3 REMOVE (E) ROOF MOUNTED EXHAUST FAN, EXHAUST DUCT AND GRILLE. (E) ROOF CURB TO REMAIN.

4 NEW WALL MOUNTED FAN COIL. SEE DETAIL 1/M800 FOR ATTACHMENT. RECONNECT TO (E) 1/4" RL AND 3/8" RS REFRIGERANT PIPING AND (E) CONDENSATE DRAIN PIPING.

5 NEW HEATPUMP CONDENSING UNIT ON (E) ROOF PLATFORM. SEE DETAIL 3/M800 FOR ANCHORAGE. RECONNECT TO (E) 1/4" RL AND 3/8" RS REFRIGERANT PIPING. VERIFY CORRECT REFRIGERANT CHARGE AND RECHARGE AS REQUIRED.

6 NEW ROOF MOUNTED EXHAUST FAN ON EXISTING ROOF CURB. SEE DETAIL 2/M800 FOR ANCHORAGE. PROVIDE 8"x8" 304 STAINLESS STEEL DUCT DOWN THRU CEILING. TERMINATE DUCT 6" BELOW CEILING AND PROVIDE 1/2" STAINLESS STEEL MESH OVER END OF DUCT. ALL FASTENERS SHALL BE STAINLESS STEEL.




NORTH

PROJECT NORTH

ENLARGED PROPOSED MECHANICAL FLOOR PLAN 1/4" = 1'-0" | 2



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TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
MECHANICAL FLOOR PLANS

PROJECT NO.
02-12828.00

DRAWING
M200

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# MECHANICAL SCHEDULES

| EXHAUST FAN SCHEDULE | | |
|---|---|---|
| **DESIGNATION** | **EF-2A** | **EF-2B** |
| **CFM** | 175 | 175 |
| **EXT. SP (IN. WC)** | 0.2 | 0.2 |
| **HP** | 1/15 | 1/15 |
| **VOLTS / PHASE** | 115 / 1 | 115 / 1 |
| **RPM** | 1234 | 1234 |
| **SONES** | 2.2 | 2.2 |
| **DRIVE** | DIRECT | DIRECT |
| **MOUNTING** | ROOF CURB | ROOF CURB |
| **MANUFACTURER** | GREENHECK | GREENHECK |
| **TYPE** | UPBLAST CENT. | UPBLAST CENT. |
| **MODEL NUMBER** | CUE-070-VG | CUE-070-VG |
| **CONTROL** | CONTINUOUS | CONTINUOUS |
| **LOCATION** | CHEM STORAGE | CHEM STORAGE |
| **OPER. WT. (LBS)** | 18 | 18 |
| **ACCESSORIES** | 1 | 1 |

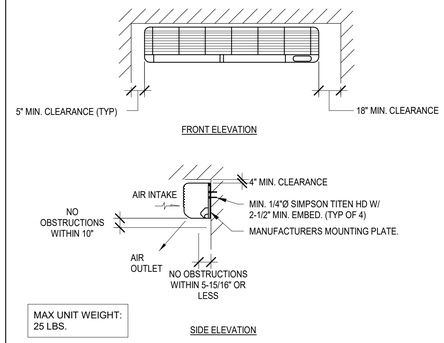
1. PROVIDE ECM MOTOR, BIRD SCREEN, PERMATECTOR COATING.

| INDOOR UNIT SCHEDULE | | | |
|---|---|---|---|
| **DESIGNATION** | | **IDU-1** | **IDU-2** |
| **BLOWER** | **SUPPLY AIR (CFM)** | 286 | 286 |
| | **EXT. SP (IN. WC)** | - | - |
| | **MIN. O.S.A. (CFM)** | - | - |
| | **VOLTS / PHASE** | 208 / 1 | 208 / 1 |
| | **MCA / MOCP** | 1 / 15 | 1 / 15 |
| | **F.L.A.** | 0.76 | 0.76 |
| | | | |
| | | | |
| **COOLING** | **SENSIBLE (MBH)** | 9 | 9 |
| | **TOTAL (MBH)** | 12 | 12 |
| | **EADB / EAWB (°F)** | 80 / 67 | 80 / 67 |
| | | | |
| **HEATING** | **CAP. (MBH) @ 47°F** | 14.4 | 14.4 |
| | | | |
| | | | |
| | | | |
| **FILTERS** | | | |
| | **TYPE** | WASHABLE | WASHABLE |
| | | | |
| | | | |
| **MANUFACTURER** | | TRANE/MITSUBISHI | TRANE/MITSUBISHI |
| **TYPE** | | WALL MOUNT | WALL MOUNT |
| **MODEL NUMBER** | | MSZ-GL12NA | MSZ-GL12NA |
| **LOCATION** | | STORAGE | STORAGE |
| **OPER. WT (LBS)** | | 22 | 22 |
| **ACCESSORIES** | | 1,2 | 1,2 |

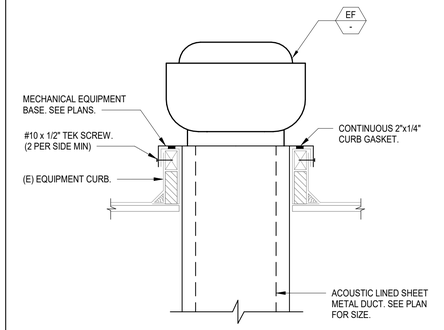
1. WIRED WALL MOUNTED THERMOSTAT.
2. REFRIGERANT LINE SET COVERS FOR EXPOSED PIPING IN ROOM. (RECTORSEAL FORTRESS)

| OUTDOOR UNIT SCHEDULE | |
|---|---|
| **DESIGNATION** | **ODU-1** |
| | |
| **VOLTS / PHASE** | 208 / 1 |
| **MCA / MOCP** | 22.1 / 25 |
| **EER / SEER** | 13.6 / 20.0 |
| **COOLING CAP. (MBH)** | 22 |
| **AMBIENT (°F)** | 95 |
| **HSPF / COP** | 10 / 4.2 |
| **HEATING CAP. (MBH)** | 30.6 |
| **AMBIENT (°F)** | 47 |
| **MANUFACTURER** | TRANE/MITSUBISHI |
| **TYPE** | MZ HEAT PUMP |
| **MODEL NUMBER** | MXZ-3C24NA4 |
| **LOCATION** | ROOF |
| **OPER. WT. (LBS)** | 142 |
| **ACCESSORIES** | - |

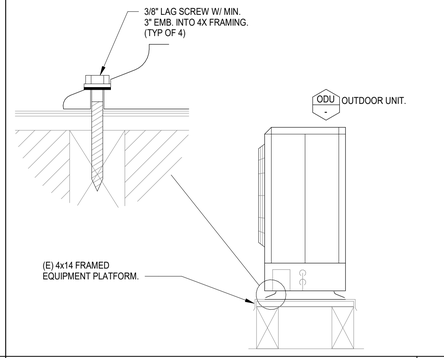
-




FAN COIL - WALL MOUNTED N.T.S. 1




EXHAUST FAN ON (E) CURB N.T.S. 2




ODU ON (E) PLATFORM N.T.S. 3

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APP: 02-121911 INC:
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| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 2/21/24 | DSA BACKCHECK |

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
MECHANICAL DETAILS AND SCHEDULES

PROJECT NO.
02-12828.00

DRAWING
M800

PLOT DATE: 2/21/2024 1:20:26 PM

| CERTIFICATE OF COMPLIANCE | | NRCC-MCH-E |
|---|---|---|
| *This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)2 for alterations.* | | |
| **Project Name:** Selma High School Pool Modernization | **Report Page:** | **(Page 1 of 8)** |
| **Project Address:** | **Date Prepared:** | 2023-12-12T16:22:17-05:00 |

## A. GENERAL INFORMATION

| | | | | | |
|---|---|---|---|---|---|
| 01 | Project Location (city) | Selma | 04 | Total Conditioned Floor Area | 258 |
| 02 | Climate Zone | 13 | 05 | Total Unconditioned Floor Area | 1090 |
| 03 | Occupancy Types Within Project: | | 06 | # of Stories (Habitable Above Grade) | 1 |

● School or Classroom

## B. PROJECT SCOPE

*This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.*

| 01 | | 02 | | 03 | |
|---|---|---|---|---|---|
| Air System(s) | | Wet System Components | | Dry System Components | |
| ☒ | Heating Air System | ☐ | Water Economizer | ☐ | Air Economizer |
| ☒ | Cooling Air System | ☐ | Pumps | ☐ | Electric Resistance Heat |
| | Mechanical Controls | ☐ | System Piping | ☐ | Fan Systems |
| ☐ | Mechanical Controls (existing to remain, altered or new) | ☐ | Cooling Towers | ☐ | Ductwork (existing to remain, altered or new) |
| | | ☐ | Chillers | ☒ | Ventilation |
| | | ☐ | Boilers | ☐ | Zonal Systems/ Terminal Boxes |





| CERTIFICATE OF COMPLIANCE | | NRCC-MCH-E |
|---|---|---|
| **Project Name:** Selma High School Pool Modernization | **Report Page:** | **(Page 2 of 8)** |
| | **Date Prepared:** | 2023-12-12T16:22:17-05:00 |

## C. COMPLIANCE RESULTS

*Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.*

| 01 | | 02 | | 03 | | 04 | | 05 | | 06 | | 07 | | 08 | 09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System Summary 110.1, 110.2, 140.4, 170.2(c) | AND | Pumps 140.4(k), 170.2(c)4I | AND | Fans/ Economizers 140.4(c), 140.4(e), 170.2(c) | AND | System Controls 110.2, 120.2, 140.4(f), 170.2(c) | AND | Ventilation 120.1, 160.2 | AND | Terminal Box Controls 140.4(d), 170.2(c)4B | AND | Distribution 120.3, 140.4(l), 160.2, 160.3 | AND | Cooling Towers 110.2(e)2 | Compliance Results |
| (See Table F) | | (See Table G) | | (See Table H) | | (See Table I) | | (See Table J) | | (See Table K) | | (See Table L) | | (See Table M) | |
| Yes | AND | | AND | | AND | Yes | AND | Yes | AND | | AND | | AND | | COMPLIES with Exceptional Conditions |
| **Mandatory Measures Compliance (See Table Q for Details)** | | | | | | | | | | COMPLIES | | | | | |

## D. EXCEPTIONAL CONDITIONS

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

Transfer air is being used in at least one zone to meet minimum ventilation requirements. See Table J for details. Transfer air must be designed per §120.1(e) for air classification and recirculation limitations and be documented within construction documents.

## E. ADDITIONAL REMARKS

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

## F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

**Space Conditioning System Information**

| 01 | 02 | 03 | 04 | 05 | 06 |
|---|---|---|---|---|---|
| System Name | Quantity | System Serving | System Status | Space Type | Utilizing Recovered Heat |
| IDU/ODU-2A, 2B | 2 | Single zone | Alteration | | ☐ |





| CERTIFICATE OF COMPLIANCE | | NRCC-MCH-E |
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## F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

**Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)**

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|
| Name or Item Tag | Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)3aii | Equipment Type per Tables 110.2 and Title 20 | Smallest Size Available[1] 140.4(a) and 170.2(c)1 | Equipment Sizing per Mechanical Schedule (kBtu/h) 140.4(a&b), 170.2(c)1 & 170.2(c)2 | | | | | | |
| | | | | Heating Output[2,3] | | | Cooling Output[2,3] | | Load Calculations[3,4] | |
| | | | | Per Design (kBtu/h) | Rated (kBtu/h) | Supp. Heating Output (kBtu/h) | Sensible Per Design (kBtu/h) | Rated (kBtu/h) | Total Heating Load (kBtu/h) | Total Sensible Cooling Load (kBtu/h) |
| IDU/ODU-2A, 2B | Unitary AC/ Condensers | AC, air cooled, split (1 phase) | Yes | | | | 9 | 12 | | 8 |

[1] *FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are exceped.*
[2] *It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.*
[3] *If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.*
[4] *Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).*

**Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)**

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
|---|---|---|---|---|---|---|---|---|
| Name or Item Tag | Size Category (Btu/h) | Heating Mode | | | | Cooling Mode | | |
| | | Rating Condition ( °F) | Efficiency Unit | Minimum Efficiency Required per Tables 110.2 / Title 20 | Design Efficiency | Efficiency Unit | Minimum Efficiency Required per Tables 110.2 / Title 20 | Design Efficiency |
| IDU/ODU-2A, 2B | <45,000 | | | | | EER2<br>SEER2 | 9.8<br>14.3 | 13.6<br>20 |

## G. PUMPS

*This section does not apply to this project.*





| CERTIFICATE OF COMPLIANCE | | NRCC-MCH-E |
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| **Project Name:** Selma High School Pool Modernization | **Report Page:** | **(Page 4 of 8)** |
| | **Date Prepared:** | 2023-12-12T16:22:17-05:00 |

## H. FAN SYSTEMS & AIR ECONOMIZERS

*This section does not apply to this project.*

## I. SYSTEM CONTROLS

*This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems.*

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
|---|---|---|---|---|---|---|---|---|
| System Name | System Zoning | Conditioned Floor Area Being Served ($ft^2$) | Thermostats 110.2(b) & (c)[1], 120.2(a) 160.3(a)2A or 141.0(b)2E & 180.2(b)2 | Shut-Off Controls 120.2(e) & 160.3(a)2D | Isolation Zone Controls 120.2(g) & 160.3(a)2F | Demand Response 110.12 120.2(b) & 160.3(a)2B | Supply Air Temp. Reset 140.4(f) & 170.2(c)4D | Window Interlocks per 140.4(n) & 170.2(c)4D |
| IDU/ODU-2A, 2B | Single zone | NA: Altered per 141.0(b)2E | Setback | NA: Altered per 141.0(b)2E | NA: Single Zone | NA: PTAC, PTHP, Rm AC, HP | NA: Single Zone | NA: No operable windows |

[1] *FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.*

## J. VENTILATION AND INDOOR AIR QUALITY

*This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3B 140.4(p) and 140.4(a) for all nonresidential and hotel/motel and d124refnolink/J160.2, 160.3(a)3D, 170.2(c)4N, 170.2(e)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.*

| | | |
|---|---|---|
| 01 | ☐ | Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table. |
| 02 | ☒ | Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces |
| | ☐ | |
| 03 | ☐ | Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2. |

**Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems**





| CERTIFICATE OF COMPLIANCE | | NRCC-MCH-E |
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## J. VENTILATION AND INDOOR AIR QUALITY

| 04 | | 05 | | | 06 | | 07 |
|---|---|---|---|---|---|---|---|
| System Name | IDU/ODU-2A, 2B | System Design OA CFM Airflow[1] | | 20 | System Design Transfer Air CFM | 20 | Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21[2] |
| | | | | | | | NA: Not system type specified in footnote 2 |
| 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Space Name or Item Tag | Mechanical Ventilation Required per 120.1(c)3[3] & 160.2(c)3 | | | | Exh. Vent per 120.1(c)4 & 160.2(c)4 | | | DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3[6] 160.2(c)5D 160.2(c)5E 160.2(c)5D |
| | Occupancy Type[4] | Conditioned Floor Area ($ft^2$) | # of Shower heads/ toilets | # of people[5] | Required Min OA CFM | Required Min CFM | Provided per Design CFM | |
| Storage 204, Storage 205 | Occupiable storage rooms for dry materials | 260 | | | 39 | | | DCV: NA: Area < 150$ft^2$ or design occupancy < 10 people<br>Occ Sensor: NA: Alteration |
| 17 | Total System Required Min OA CFM | | | | 39 | 18 | Ventilation for this System Complies? | Yes |

[1] *FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system*
[2] *Air filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.*
[3] *Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.*
[4] *See Standards Tables 120.1-A and 120.1-B.*
[5] *For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.*
[6] *120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250$ft^2$ or smaller, multipurpose rooms less than 1,000 $ft^2$, classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).*

## K. TERMINAL BOX CONTROLS

*This section does not apply to this project.*





| CERTIFICATE OF COMPLIANCE | | NRCC-MCH-E |
|---|---|---|
| **Project Name:** Selma High School Pool Modernization | **Report Page:** | **(Page 6 of 8)** |
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## L. DISTRIBUTION (DUCTWORK and PIPING)

*This section does not apply to this project.*

## M. COOLING TOWERS

*This section does not apply to this project.*

## N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

*Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4*

| Form/Title |
|---|
| NRCI-MCH-01-E - Must be submitted for all buildings |

## O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

*Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/*

| Form/Title | Systems/Spaces To Be Field Verified |
|---|---|
| NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A | IDU/ODU-2A, 2B |
| Supply Fan VFD Acceptance (if applicable) since testing activities overlap. | |

## P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

*There are no NRCV forms required for this project.*





| MARK | DATE | DESCRIPTION |
|---|---|---|
| 1 | 2/21/24 | DSA BACKCHECK |

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
TITLE 24 DOCUMENTATION

PROJECT NO.
02-12828.00

DRAWING
M900

| **Q. MANDATORY MEASURES DOCUMENTATION LOCATION** | | |
|---|---|---|
| *This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.* | | |
| 01 | | 02 |
| Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block | Yes | Plan sheet or construction document location<br>M800 |



| ***Space Conditioning Mandatory Measures:*** |
|---|
| **110.2 CERTIFICATION BY MANUFACTURERS**<br>ANY SPACE CONDITIONING EQUIPMENT LISTED IN §110.2 SHALL ONLY BE INSTALLED IF CERTIFIED TO THE ENERGY COMMISSION TO MEET ALL APPLICABLE §110.2 REQUIREMENTS. |
| **110.2(a) SPACE CONDITIONING EQUIPMENT EFFICIENCY**<br>EQUIPMENT SHALL MEET APPLICABLE EFFICIENCY REQUIREMENTS IN TABLE 110.2-A THROUGH TABLE 110.2-N. |
| **110.2(c) SETBACK THERMOSTATS**<br>ALL HEATING OR COOLING SYSTEMS NOT CONTROLLED BY A CENTRAL ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) SHALL HAVE A SETBACK THERMOSTAT WITH CLOCK MECHANISM THAT ALLOWS THE BUILDING OCCUPANT TO PROGRAM THE TEMPERATURE SETPOINTS FOR AT LEAST FOUR PERIODS WITHIN 24 HOURS. |
| **110.5 PILOT LIGHTS PROHIBITED FOR NATURAL GAS EQUIPMENT**<br>PILOT LIGHTS ARE PROHIBITED ON NATURAL GAS FAN-TYPE CENTRAL FURNACES, POOL HEATERS, SPA HEATERS, AND FIREPLACES. |
| **120.1(a) GENERAL VENTILATION AND INDOOR AIR QUALITY REQUIREMENTS**<br>ALL OCCUPIABLE SPACES IN HOTEL/MOTEL AND NONRESIDENTIAL BUILDINGS OTHER THAN HEALTHCARE SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF §120.1(a) THROUGH (g). THE REQUIRED OUTDOOR AIR VENTILATION RATE AND AIR-DISTRIBUTION SYSTEM DESIGN SHALL BE CLEARLY IDENTIFIED ON THE PLANS. |
| **120.1(c)2 NATURAL VENTILATION**<br>NATURALLY VENTILATED SPACES SHALL BE DESIGNED IN ACCORDANCE WITH 120.1(c)2A THROUGH 120.1(c)2C AND INCLUDE A MECHANICAL VENTILATION SYSTEMS DESIGNED IN ACCORDANCE WITH 120.1(c)3. |
| **120.1(c)3 MECHANICAL VENTILATION**<br>OCCUPIABLE SPACES SHALL BE VENTILATED WITH A MECHANICAL VENTILATION SYSTEM CAPABLE OF PROVIDING AN OUTDOOR AIRFLOW RATE ($V_{ot}$) TO THE ZONE NO LESS THAN EQUATION 120.1-F. |
| **120.1(d) TIMES OF OCCUPANCY**<br>MINIMUM OUTDOOR AIR RATE SHALL BE MET AT TIMES WHEN THE SPACE IS USUALLY OCCUPIED IN ACCORDANCE WITH 120.1(c). |
| **120.1(d)2 PRE-OCCUPANCY**<br>THE LESSER OF THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY SECTION 120.1(c) OR THREE COMPLETE AIR CHANGES SHALL BE SUPPLIED TO THE ENTIRE BUILDING DURING THE 1-HOUR PERIOD IMMEDIATELY BEFORE THE BUILDING IS NORMALLY OCCUPIED. |
| **120.1(d)3 REQUIRED DEMAND CONTROL VENTILATION**<br>DCV CONTROLS ARE REQUIRED FOR A SPACE WITH A DESIGN OCCUPANCY DENSITY >= 25 PEOPLE/1,000 FT2 IF THE SYSTEM SERVING THE SPACE HAS ONE OR MORE OF THE FOLLOWING<br>• AN AIR ECONOMIZER<br>• MODULATING OUTSIDE AIR CONTROL<br>• DESIGN OUTDOOR AIRFLOW RATE > 3,000 CFM |
| ***120.1(f) DESIGN AND CONTROL REQUIREMENTS FOR QUANTITIES OF OUTDOOR AIR*** |
| 120.1(f)1 ALL MECHANICAL VENTILATION AND SPACE-CONDITIONING SYSTEMS SHALL BE DESIGNED WITH AND HAVE INSTALLED DUCTWORK, DAMPERS, AND CONTROLS TO ALLOW OA RATES TO BE OPERATED AT NO LESS THAN THE LARGER OF: 120.1(c)3 MINIMUMS OR THE RATE REQUIRED FOR MAKE-UP OF EXHAUST SYSTEMS FOR AN EXEMPT OR COVERED PROCESS, CONTROL OF ODORS, OR CONTAMINANT REMOVAL IN A SPACE. |

STATE OF CALIFORNIA
**Mechanical Systems** CALIFORNIA ENERGY COMMISSION

| **CERTIFICATE OF COMPLIANCE** | | **NRCC-MCH-E** |
|---|---|---|
| **Project Name:** Selma High School Pool Modernization | **Report Page:** | **(Page 8 of 8)** |
| **Project Address:** | **Date Prepared:** | 2023-12-12T16:22:17-05:00 |

| **DOCUMENTATION AUTHOR'S DECLARATION STATEMENT** | |
|---|---|
| **I certify that this Certificate of Compliance documentation is accurate and complete.** | |
| Documentation Author Name:<br>Steven Jones | Documentation Author Signature: |
| Company:<br>TETER, LLP | Signature Date: |
| Address: | CEA/ HERS Certification Identification (if applicable): |
| City/State/Zip: | Phone: |

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

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

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

| | |
|---|---|
| Responsible Designer Name: | Responsible Designer Signature: |
| Company: | Date Signed: |
| Address: | License: |
| City/State/Zip: | Phone: |

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time:
Report Version: 2022.0.000
Schema Version: rev 20220101
Documentation Software: Energy Code Ace
Compliance ID: 164365-1223-0002
Report Generated: 2023-12-12 13:22:26

| ***Space Conditioning Mandatory Measures:*** |
|---|
| **120.1(g) AIR CLASSIFICATION AND RECIRCULATION LIMITATIONS**<br>AIR CLASSIFICATION AND RECIRCULATION LIMITATIONS OF AIR SHALL BE BASED ON TABLE 120.1-A OR TABLE 120.1-C, AND IN ACCORDANCE WITH 120.1(g)1 THROUGH 4. |
| **120.2(a) THERMOSTAT CONTROLS**<br>HEATING AND COOLING SUPPLY TO EACH SPACE-CONDITIONING ZONE OR DWELLING UNIT SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL THAT RESPONDS TO TEMPERATURE IN THE ZONE AND MEETS 120.2(b) REQUIREMENTS. |
| ***120.2(b) ZONAL THERMOSTAT CONTROLS*** |
| 120.2(b)4 THERMOSTATIC CONTROLS FOR ALL SINGLE ZONE AIR CONDITIONERS AND HEAT PUMPS SHALL COMPLY WITH THE REQUIREMENTS OF 110.2(c) AND 110.12(a) AND, IF EQUIPPED WITH DDC TO THE ZONE LEVEL WITH THE AUTOMATIC DEMAND SHED CONTROLS OF 110.12(b). |
| **120.2(f) DAMPERS FOR AIR SUPPLY AND EXHAUST EQUIPMENT**<br>OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL BE INSTALLED WITH DAMPERS THAT AUTOMATICALLY CLOSE UPON FAN SHUTDOWN. |
| **120.2(j) DIRECT DIGITAL CONTROLS (DDC)**<br>DDC TO THE ZONE SHALL BE PROVIDED AS SPECIFIED BY TABLE 120.2-A. THE DDC SYSTEM SHALL MEET CONTROL LOGIC REQUIREMENTS OF 120.1(D), 110.12(a) AND 110.12(b) AND BE CAPABLE OF ALL OF THE FOLLOWING:<br>1. MONITORING ZONE AND SYSTEM DEMAND FOR FAN PRESSURE, PUMP PRESSURE, HEATING AND COOLING<br>2. TRANSFERRING ZONE AND SYSTEM DEMAND INFORMATION FROM ZONES TO AIR DISTRIBUTION SYSTEM CONTROLLERS AND FROM AIR DISTRIBUTION SYSTEMS TO HEATING AND COOLING PLANT CONTROLLERS<br>3. AUTOMATICALLY DETECTING THE ZONES AND SYSTEMS THAT MAY BE EXCESSIVELY DRIVING THE RESET LOGIC AND GENERATE AN ALARM OR OTHER INDICATION TO THE SYSTEM OPERATOR<br>4. READILY ALLOW OPERATOR REMOVAL OF ZONE(S) FROM THE RESET ALGORITHM<br>5. FOR NEW BUILDINGS, TRENDING AND GRAPHICALLY DISPLAYING INPUT AND OUTPUT POINTS<br>6. RESETTING HEATING AND COOLING SETPOINTS IN ALL NON-CRITICAL ZONES UPON RECEIPT OF A SIGNAL FROM A CENTRALIZED CONTACT OR SOFTWARE POINT AS DESCRIBED IN 110.12(b). |

PLOT DATE: 2/21/2024 1:20:26 PM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 2/21/24 | DSA BACKCHECK |


TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

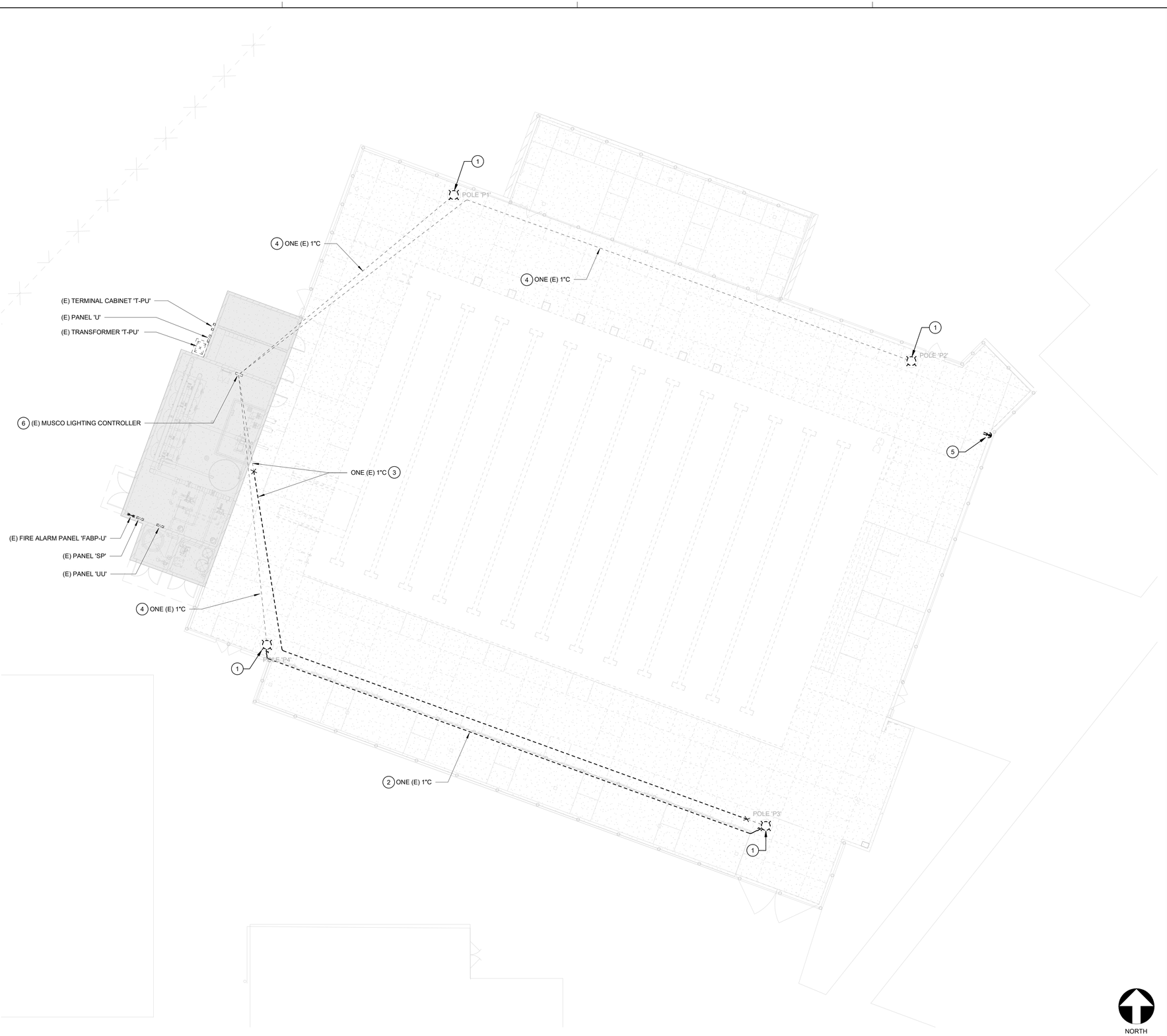
TETER

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
TITLE 24 DOCUMENTATION

PROJECT NO.
02-12828.00

DRAWING
M901




NORTH

## KEYNOTES

1. EXISTING LIGHT POLE SHALL REMAIN. DISCONNECT AND REMOVE EXISTING SPORTS LIGHTING FIXTURES AND BALLASTS PER DETAIL 16/E800.
2. DISCONNECT AND REMOVE EXISTING BRANCH CIRUITING (CONDUIT + CONDUCTORS) RAN ON SURFACE OF EXISTING CANOPY, BETWEEN LIGHT POLES. SEAL LIGHT POLES AT CONDUIT PENETRATION AND MAKE WATER TIGHT.
3. CUT UNDERGROUND CONDUIT AT BASE OF LIGHT POLE AND EDGE OF BUILDING FOUNDATION AND REMOVE SECTION OF CONDUIT LEAVING REMAINDER UNDER BUILDING AND IN LIGHT POLE FOUNDATION FOR RE-USE AND RECONNECTION TO NEW CONDUIT.
4. REMOVE (E) BRANCH CIRCUIT BACK TO SOURCE. (E) UNDERGROUND CONDUIT SHALL REMAIN FOR RE-USE. TRACE AND PROTECT (E) CONDUIT.
5. DISCONNECT AND REMOVE EXISTING G.F.C.I. DUPLEX RECEPTACLE AND COVER PLATE. PRESERVE EXISTING OUTLET BOX FOR REUSE, AND PRESERVE EXISTING BRANCH CIRCUITING FOR RECONNECTION.
6. (E) MUSCO LIGHTING CONTROLLER TO REMAIN FOR CONTROL OF NEW MUSCO LIGHTING FIXTURES.

## DEMOLITION NOTES

A. ELECTRICAL FACILITIES SHOWN DASHED ARE EXISTING:
   1. THOSE SHOWN LIGHTWEIGHT (FADED) SHALL REMAIN AND REQUIRE MODIFICATION AS NOTED.
   2. THOSE SHOWN HEAVYWEIGHT (DARK) REQUIRE REMOVAL OR RELOCATION AS NOTED.

B. EXISTING ELECTRICAL FACILITIES AND CIRCUITING SHOWN ARE BASED ON LIMITED RECORD DRAWINGS AND LIMITED SITE VISITS. THE DRAWINGS MAY NOT ACCURATELY REPRESENT ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND RING OUT EXISTING CIRCUITS TO DETERMINE EXACT ROUTING.

C. SPECIAL PRECAUTION SHALL BE TAKEN DURING DEMOLITION TO PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES, FEEDERS, AND BRANCH CIRCUITING. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.

ELECTRICAL SITE DEMOLITION PLAN 3/32" = 1'-0" 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

REGISTERED PROFESSIONAL ENGINEER JASON MARCH No. E 24283 12-31-2025 ELECTRICAL STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

TETER

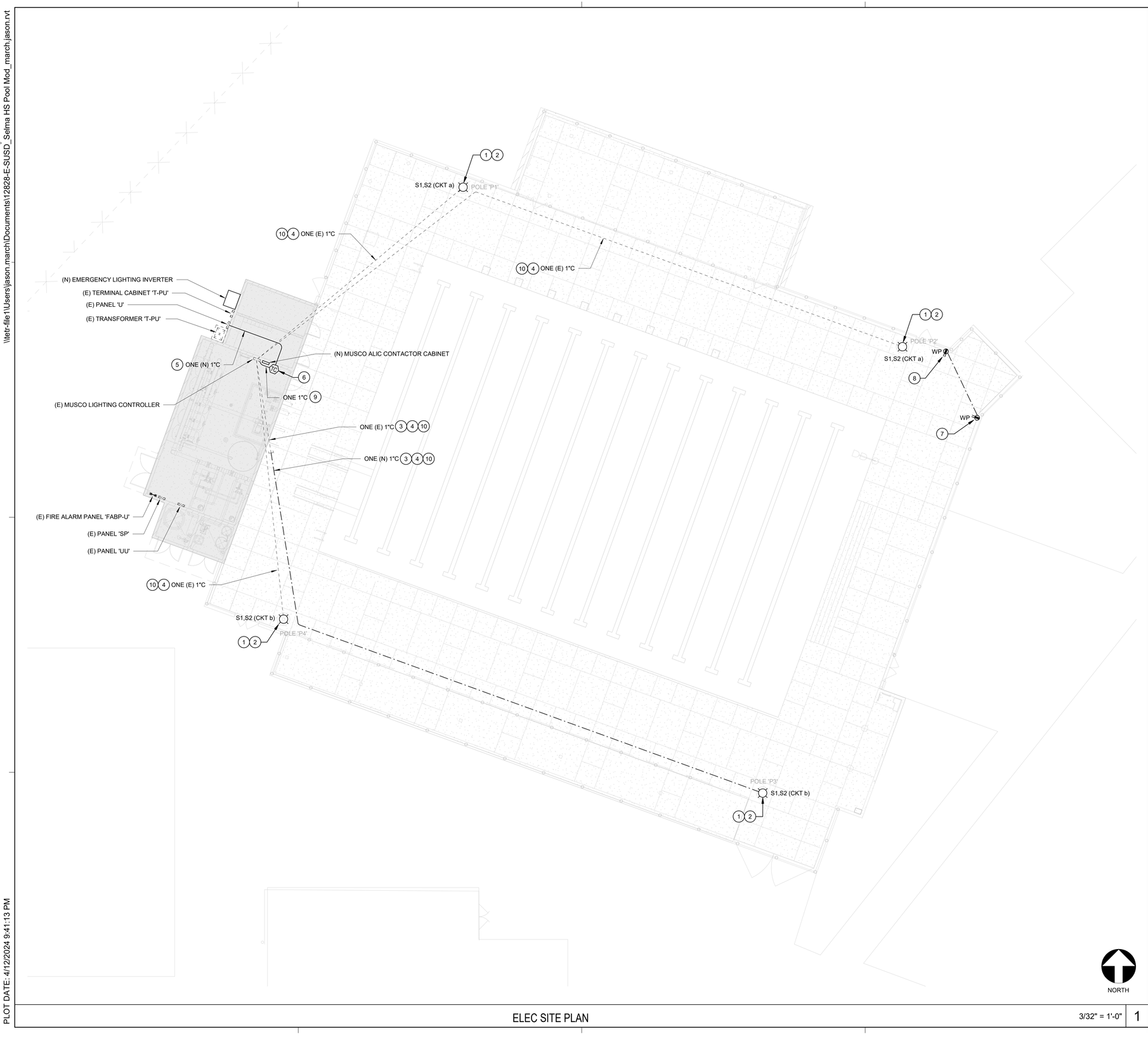
SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
ELECTRICAL SITE DEMOLITION PLAN

PROJECT NO.
02-12828.00

DRAWING
E101

PLOT DATE: 4/12/2024 9:41:12 PM




# KEYNOTES

1. PROVIDE NEW 'S1' SPORTS LIGHTING FIXTURES AT TOP OF EXISTING LIGHT POLE, AND CONNECT TO NEW BRANCH CIRCUIT CONDUCTORS. SEE DETAIL 20/E800 FOR MOUNTING INFORMATION.
2. PROVIDE TYPE 'S2' LIGHT FIXTURE AT +15' A.F.G. TO EXISTING LIGHT POLE. SEE DETAIL 20/E800 FOR MOUNTING INFORMATION.
3. INTERCEPT EXISTING UNDERGROUND CONDUIT AT EDGE OF BUILDING, EXTEND TO EXISTING LIGHT POLE, AND PULL IN NEW CONDUCTORS FROM SOURCE TO NEW SPORTS LIGHTING FIXTURES.
4. PROVIDE 2#10 CU THWN AND 1#10 CU GND FROM MUSCO LIGHTING PANEL FOR POOL LIGHTING AND 2#10 CU THWN AND 1#10 CU GND FROM MUSCO ALIC CONTACTOR CABINET FOR EMERGENCY EGRESS LIGHTING.
5. PROVIDE 2#10 CU THWN AND 1#10 CU GND FROM PANEL 'U' - CIRCUIT #6 IN (N) 1"C TO (N) TIME CLOCK MOUNTED NEXT TO (E) MUSCO LIGHTING CONTROLLER.
6. PROVIDE (N) ASTRONOMIC ELECTRONIC TWO-CIRCUIT TIME CLOCK WITH NEMA 1 ENCLOSURE (INTERMATIC #ET2825 OR EQUIVALENT). CONNECT TIME CLOCK FOR ON/OFF CONTROL OF (N) POLE LIGHT BRANCH CIRCUIT PER DETAIL 5/E800. MOUNT TIME CLOCK NEXT TO (E) MUSCO LIGHTING CONTROLLER.
7. PROVIDE NEW G.F.C.I. DUPLEX RECEPTACLE AND COVER PLATE AT EXISTING OUTLET BOX, AND RECONNECT TO EXISTING BRANCH CIRCUITING. EXTEND BRANCH CIRCUITING UNDERGROUND TO NEW LOCATION.
8. PROVIDE NEW G.F.C.I. DUPLEX RECEPTACLE, OUTLET BOX, AND COVER PLATE, AND CONNECT TO NEW BRANCH CIRCUITING. ATTACH OUTLET BOX TO FENCE ADJACENT TO FENCE POST.
9. PROVIDE ONE 1"C BETWEEN (E) MUSCO LIGHTING CONTROL PANEL AND (N) TIME CLOCK WITH 4#10 CU THWN AND 1#10 CU GND FOR DISTRIBUTION AND CONNECTION TO NEW 'S2' LIGHT FIXTURES AT (E) LIGHT POLES.
10. PROVIDE 2#10 CU THWN AND 1#10 GND FROM PANEL 'U' - CIRCUIT#6. ROUTE CIRCUIT THRU (N) TIME CLOCK, AND THROUGH THE (E) 1"C TO EACH SPORTS LIGHTING POLE. CONDUCTORS FROM PANEL 'U' WILL POWER (N) 'S2' LIGHTS.

# GENERAL NOTES

A. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES, FEEDERS, AND BRANCH CIRCUITING. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.

ELEC SITE PLAN — 3/32" = 1'-0" — 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

REGISTERED PROFESSIONAL ENGINEER — JASON MARCH — No. E 24283 — 12-31-2025 — ELECTRICAL — STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
ELECTRICAL SITE PLAN

PROJECT NO.
02-12828.00

DRAWING
E102

PLOT DATE: 4/12/2024 9:41:13 PM

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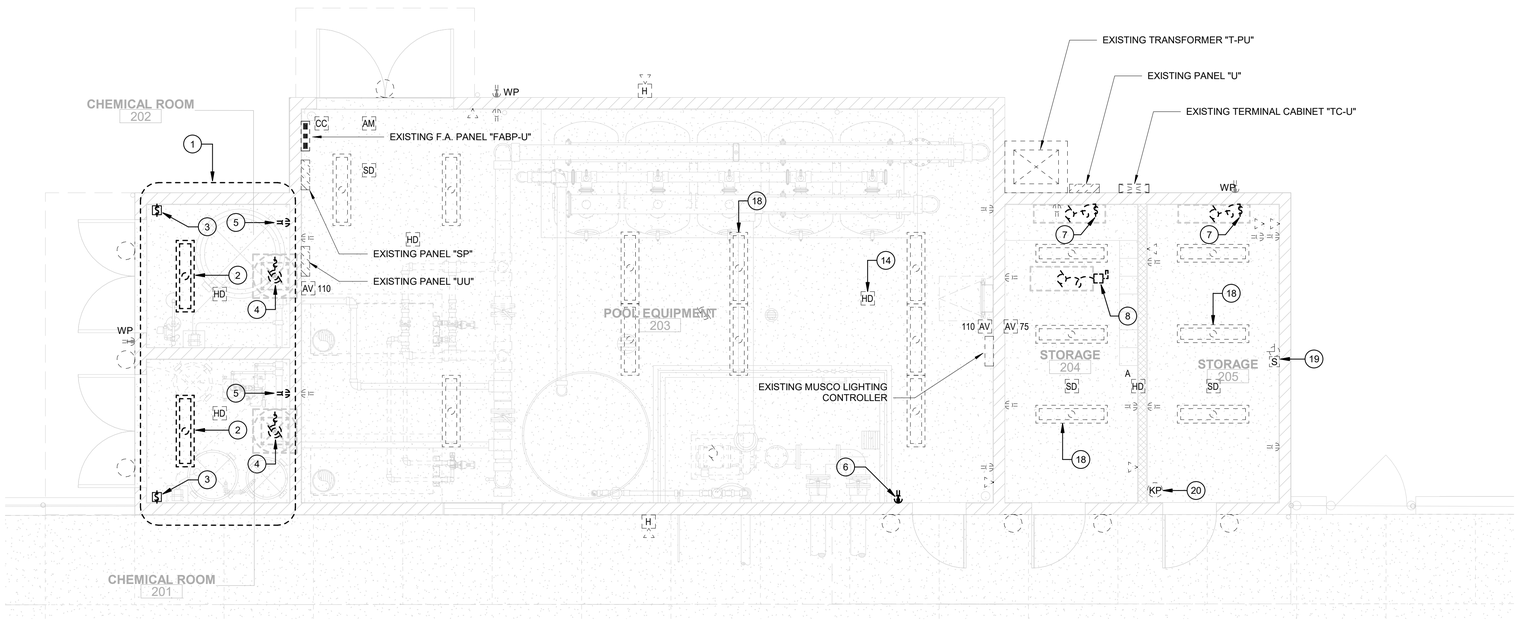
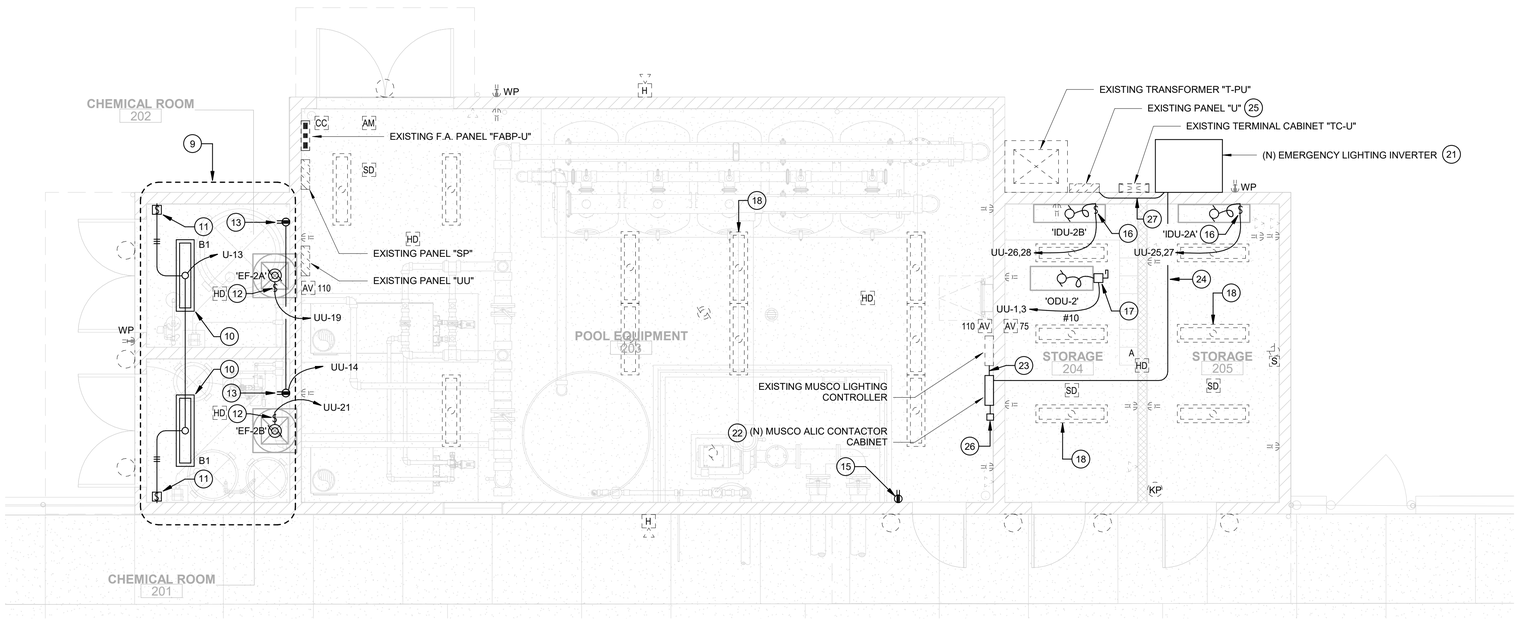



NORTH

ELECTRICAL DEMOLITION PLAN - POOL BUILDING

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




NORTH

ELECTRICAL PLAN - POOL BUILDING

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

## KEYNOTES

1. DISCONNECT AND REMOVE ALL EXISTING EXPOSED BRANCH CIRCUITING (CONDUIT + CONDUCTORS), AND SURFACE MOUNTED OUTLET BOXES AND JUNCTION BOXES IN CHEMICAL ROOMS 201 AND 202. PRESERVE ALL UPSTREAM BRANCH CIRCUITING OUTSIDE OF THIS AREA FOR EXTENSION AND RECONNECTION.
2. DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED LIGHT FIXTURE AND REMOVE BRANCH CIRCUIT BACK TO SOURCE..
3. DISCONNECT AND REMOVE EXISTING LIGHT SWITCH. REMOVE LIGHTING BRANCH CIRCUIT BACK TO SOURCE.
4. DISCONNECT EXISTING EXHAUST FAN. REMOVE BRANCH CIRCUIT BACK TO SOURCE
5. DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED RECEPTACLE.
6. DISCONNECT AND REMOVE EXISTING RECEPTACLE AND COVER PLATE. PRESERVE OUTLET BOX AND BRANCH CIRCUITING FOR RECONNECTION.
7. DISCONNECT AND REMOVE EXISTING MOTOR RATED SWITCH AT INDOOR UNIT BEING REMOVED. REMOVE EXISTING BRANCH CIRCUITING (CONDUIT + WIRE) BACK TO SOURCE.
8. DISCONNECT AND REMOVE EXISTING DISCONNECT SWITCH AT OUTDOOR UNIT BEING REMOVED. REMOVE EXISTING BRANCH CIRCUITING (CONDUIT + WIRE) BACK TO SOURCE.
9. PROVIDE NEW STAINLESS STEEL CONDUIT + CONDUCTORS, AND STAINLESS STEEL OUTLET BOXES, JUNCTION BOXES, AND COVERPLATES (WITH GASKETS), TO REPLACE ALL THAT WAS REMOVED DURING DEMOLITION, AND RECONNECT ALL AFFECTED BRANCH CIRCUITS IN CHEMICAL ROOMS 201 & 202.
10. PROVIDE NEW SURFACE MOUNTED LIGHT FIXTURE.
11. PROVIDE NEW LIGHT SWITCH.
12. PROVIDE NEW 120V, 15A, 1-POLE MOTOR RATED SWITCH. PROVIDE POWER CONNECTION FOR NEW 120V, 1PH, 1/15 HP EXHAUST FAN.
13. PROVIDE NEW G.F.C.I. DUPLEX RECEPTACLE.
14. (E) FIRE ALARM DEVICES AND CIRCUITING THROUGHOUT BUILDING TO REMAIN. PRESERVE AND PROTECT DURING CONSTRUCTION.
15. PROVIDE NEW G.F.C.I. DUPLEX RECEPTACLE AND STAINLESS STEEL COVER PLATE AT EXISTING OUTLET BOX AND RECONNECT TO EXISTING BRANCH CIRCUITING.
16. PROVIDE NEW 208V, 15A, 2-POLE MOTOR RATED SWITCH. PROVIDE CONNECTION FOR NEW 208V, 1ϕ,1.0 MCA, 15A MOCP, INDOOR UNIT.
17. PROVIDE NEW HEAVY DUTY WEATHERPROOF 250V, 30A, 3-POLE FUSED DISCONNECT. PROVIDE CONNECTION FOR NEW 208V, 1ϕ, 22.1 MCA, 25 MOCP, OUTDOOR UNIT.
18. CEILING MOUNTED LIGHTS IN THIS ROOM TO REMAIN.
19. (E) SPEAKER CLOCK TO REMAIN, TYPICAL.
20. (E) KEYPAD TO REMAIN, TYPICAL.
21. PROVIDE 480V, 1ϕ INPUT AND 480V, 1ϕ OUTPUT 3KVA EMERGENCY LIGHTING INVERTER, DSPM #FT1-3.0-480/480-90 OR EQUIVALENT. UNIT SHALL BE RATED NEMA 3R. MOUNT PER DETAIL 2/E801.
22. PROVIDE AUXILIARY LIGHTING INTERFACE CABINET (ALIC) PER MUSCO SPECIFICATIONS.
23. PROVIDE ONE 1"C WITH 4#14 CU THWN BETWEEN (E) MUSCO LIGHTING CONTROLLER AND NEW ALIC CABINET.
24. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND. ROUTE THROUGH ACCESSIBLE ATTIC ACCESS.
25. PROVIDE ONE 20A, 2-POLE CIRCUIT BREAKER IN (E) PANEL 'U' FOR PROTECTION OF NEW EMERGENCY LIGHTING INVERTER.
26. PROVIDE ONE 480V:120V, 1ϕ, 1KVA TRANSFORMER FED FROM EMERGENCY LIGHTING INVERTER CIRCUIT TO POWER ALIC CONTROLS.
27. PROVIDE ONE 1"C WITH 2#12 CU THWN AND 1#12 CU GND.

## DEMOLITION NOTES

A. ELECTRICAL FACILITIES SHOWN DASHED ARE EXISTING:

1. THOSE SHOWN LIGHTWEIGHT (FADED) SHALL REMAIN AND REQUIRE MODIFICATION AS NOTED.
2. THOSE SHOWN HEAVYWEIGHT (DARK) REQUIRE REMOVAL OR RELOCATION AS NOTED.

B. EXISTING ELECTRICAL FACILITIES AND CIRCUITING SHOWN ARE BASED ON LIMITED RECORD DRAWINGS AND LIMITED SITE VISITS. THE DRAWINGS MAY NOT ACCURATELY REPRESENT ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND RING OUT EXISTING CIRCUITS TO DETERMINE EXACT ROUTING.

## GENERAL NOTES

A. EXISTING CIRCUITING IS BASED ON AS BUILT RECORD DRAWINGS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.

B. CONDUIT AND CONDUCTORS FOR NEW OUTLETS SHALL BE CONCEALED, U.O.N.

C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

D. EXISTING ELECTRICAL DEVICES AND COVER PLATES ON WALLS RECEIVING NEW WALL FINISHES SHALL BE REMOVED AND PRESERVED FOR RE-INSTALLATION, OUTLET BOXES SHALL BE EXTENDED TO ACCOMMODATE NEW WALL FINISHES, AND DEVICES AND COVER PLATES SHALL BE CLEANED AND RE-INSTALLED. REFER TO ARCHITECTURAL INTERIOR FINISH SCHEDULE FOR LOCATIONS RECEIVING NEW WALL FINISHES.

E. ALL 120V, 15A AND 20A WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

TETER

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
ELECTRICAL PLAN - POOL BUILDING

PROJECT NO.
02-12828.00

DRAWING
E210

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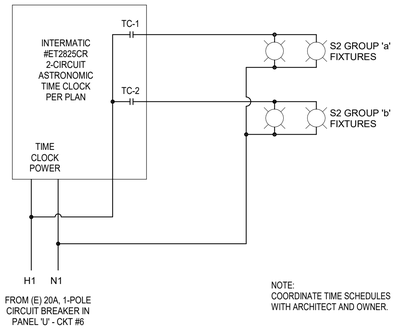
PLOT DATE: 4/12/2024 9:41:15 PM

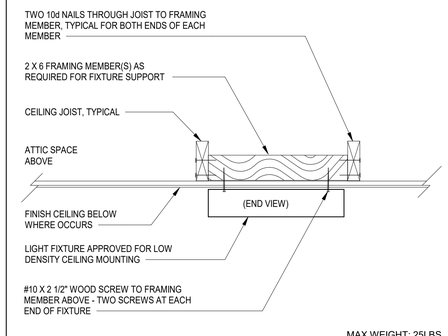
| LIGHTING FIXTURE SCHEDULE | | | | | | | |
|---|---|---|---|---|---|---|---|
| FIXTURE DESIGNATION | FIXTURE VOLTAGE | FIXTURE WATTAGE | MOUNTING | DRIVER & COLOR TEMP | DESCRIPTION | MANUFACTURER | CATALOG # |
| B1 | 277 V | 49 | SURFACE PER 14/E800 | LED - 4000K | 1'X4' SURFACE MOUNTED LED LIGHT RATED NATATORIUM | KENALL | MLHA12-48-F-MW-PP-45L40K-DCC-DV-NAT |
| S1 | 480 V | 1100 | POLE PER 20/E800 | LED - 5700K 75 CRI | POLE MOUNTED LED SPORTS LIGHTING FIXTURE 480V, 1PH | MUSCO | TLC-LED-900 |
| S2 | 277 V | 165 | POLE PER 20/E800 | LED - 4000K | POLE MOUNTED LED AREA WORK LIGHT | LITHONIA | DSXF3 LED P3 40K 70CRI WFL MVOLT THK DNAXD |

## LIGHTING FIXTURE SCHEDULE — N.T.S. — 13



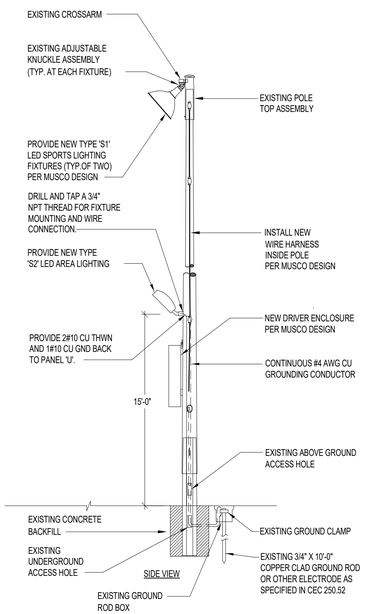

NOTE:
COORDINATE TIME SCHEDULES WITH ARCHITECT AND OWNER.

## FIXTURE TYPE 'S2' CONTROL — N.T.S. — 18



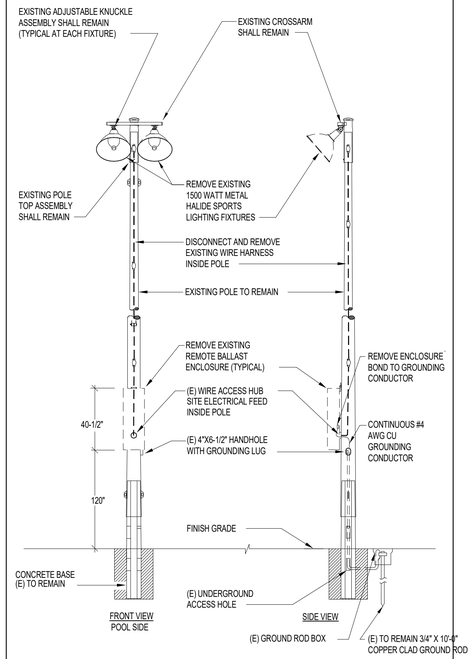

MAX WEIGHT: 25LBS.

## SUFACE MOUNTED FIXTURE — N.T.S. — 14




NOTE:
REFER TO DETAIL 16/E800 FOR FRONT VIEW OF EXISTING LIGHT POLE AND SPORTS LIGHTING ASSEMBLY

## POLE MT'D LIGHT FIXTURES - NEW — N.T.S. — 20




## POLE MT'D LIGHT FIXTURES - DEMO — N.T.S. — 16

# ELECTRICAL SYMBOL LEGEND

DIMENSIONS INDICATED ARE MEASURED TO CENTERLINE OF ENCLOSURE, UNLESS OTHERWISE NOTED
NOTE: SOME SYMBOLS SHOWN MAY NOT APPLY TO THIS PROJECT

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|---|---|---|---|
| E.P. | DENOTES EXPLOSION PROOF CONSTRUCTION | $_a | SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N. — LOWER CASE SUBSCRIPT INDICATES CONTROLLED SWITCHLEG OF CIRCUIT |
| D.T. | DENOTES DUST TIGHT CONSTRUCTION | $_2 | TWO POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N. |
| O.C. | DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE | $_3 | THREE WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N. |
| R.T. | DENOTES RAIN TIGHT CONSTRUCTION | $_4 | FOUR WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N. |
| U.G. | DENOTES UNDERGROUND INSTALLATION | $_M | HORSEPOWER RATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N. |
| V.P. | DENOTES VAPOR TIGHT CONSTRUCTION | $_P | SINGLE POLE AC SNAP SWITCH WITH PILOT LAMP @ +48" TO TOP OF BOX U.O.N. |
| W.P. | DENOTES WEATHERPROOF CONSTRUCTION | $_T | DIGITAL TIMER SWITCH, FLUSH MOUNTED @ +48" TO TOP OF BOX U.O.N. |
| W.T. | DENOTES WATER TIGHT CONSTRUCTION | $_A | SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N. |
| A.F.F. | DENOTES ABOVE FINISHED FLOOR | $_K | KEY OPERATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N. |
| A.F.G. | DENOTES ABOVE FINISHED GRADE | $_CS | SYSTEM CONTROL SWITCH PER PLANS, @ 48" TO TOP OF BOX U.O.N. |
| F.B.O. | DENOTES FURNISHED BY OTHERS | [$] | WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +48" TO TOP OF BOX, U.O.N. |
| U.O.N. | DENOTES UNLESS OTHERWISE NOTED | (M) | OCCUPANCY SENSOR - CEILING MOUNTED |
| (E) | DENOTES EXISTING TO REMAIN, NO WORK U.O.N. | (M)W | OCCUPANCY SENSOR - WALL MOUNTED @ +90" TO TOP OF BOX, U.O.N. |
| (N) | DENOTES NEW | (P) | LIGHTING CONTROL SYSTEM DIMMING/POWER PACK MOUNTED IN ATTIC |
| (1) | ELECTRICAL KEYNOTES: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET | (RP) | LIGHTING CONTROL SYSTEM PLUG LOAD RELAY PACK MOUNTED IN ATTIC |
| A-3 | CIRCUIT HOME RUN: DENOTES PANEL A, CKT. #3, - 3/4"C. MINIMUM, U.O.N. | (C1) | LIGHTING CONTROL SYSTEM 2-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N. |
| (1) | CIRCUIT FEEDER: DENOTES FEEDER 'F1' PER SYSTEM FEEDER SCHEDULE | (C4) | LIGHTING CONTROL SYSTEM 4-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N. |
| | CONDUIT IN ATTIC/WALL: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CU GND, U.O.N. | (C1)L | LIGHTING CONTROL SYSTEM DIMMING WALL SWITCH WITH LOCKING COVER @ +48" TO TOP OF BOX, U.O.N. |
| #10 | CONDUIT IN ATTIC/WALL: DENOTES 3/4"C-2#10 AWG CU THWN, 1#10 CU GND, U.O.N. | (DS) | LIGHTING CONTROL SYSTEM DAYLIGHT SENSOR - CEILING MOUNTED |
| | CONDUIT IN FLOOR/U.G.: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CU GND, U.O.N. | (HB) | LIGHTING CONTROL SYSTEM NETWORK BRIDGE |
| | DENOTES EXISTING CONDUIT RUN TO REMAIN | (NG) | LIGHTING CONTROL SYSTEM NETWORK GATEWAY |
| | CONDUIT RUN - STUBBED, CAPPED AND LABELED. | (AD) | LIGHTING CONTROL SYSTEM AUTOMATED DEMAND RESPONSE MODULE |
| | CONDUIT RUN: DENOTES 3/4"C - 3 #12 AWG CU THWN + 1 #12 CU GND, U.O.N. | (TC) | LIGHTING CONTROL SYSTEM TIME CLOCK |
| | CONDUIT RUN: DENOTES 3/4"C - 4 #12 AWG CU THWN + 1 #12 CU GND, U.O.N. | (PC) | PHOTOCELL CONTROL MOUNTED ON ROOF |
| | CONDUIT RUN: DENOTES 3/4"C - 5 #12 AWG CU THWN + 1 #12 CU GND, U.O.N. | | |
| | CONDUIT RUN: DENOTES 1"C - 6 #12 AWG CU THWN + 1 #12 CU GND, U.O.N. | (T) | LOW VOLTAGE CONTROL TRANSFORMER |
| | SEPARATE POWER AND DATA FLOOR BOXES (2) | | |
| | FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N. (2) | | ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL (4) |
| | TAMPER-RESISTANT SINGLE RECEPTACLE IN WALL @ +18", U.O.N. | | ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL |
| | TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL @ +18", U.O.N. | | TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL (5) |
| | TAMPER-RESISTANT DUPLEX GFI RECEPTACLE, IN WALL @ 18", U.O.N. | | TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL |
| | TAMPER-RESISTANT SWITCHED GFCI RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. (OCC. SENSOR OR WALL SWITCH CONTOLLED) | | CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5) |
| WP | TAMPER-RESISTANT WEATHER RESISTANT (W/R) DUPLEX GFCI RECEPTACLE W/ W.P. COVER @+18", U.O.N. | | CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL |
| | TAMPER-RESISTANT DUPLEX ISOLATED GROUND RECEPTACLE IN WALL @ +18", U.O.N. (7) | | LIGHTING CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5) |
| | TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18", U.O.N. | | LIGHTING CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL |
| | SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ 18" U.O.N. | | FIRE ALARM PANEL PER PLANS, FLUSH MOUNTED IN WALL (5) |
| | DUPLEX RECEPTACLE FLUSH IN CEILING | | FIRE ALARM PANEL PER PLANS, SURFACE MOUNTED ON WALL |
| | TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18" A.F.F., U.O.N. ONE UNSWITCHED RECEPTACLE AND ONE SWITCHED (OCC. SENSOR CONTROLLED) RECEPTACLE | | |
| | JUNCTION BOX | (S) | EXTERIOR SPEAKER, ELEVATION AS NOTED |
| | JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT | (S) | SPEAKER IN CEILING, U.O.N. |
| | NON-FUSIBLE DISCONNECT SWITCH | [S] | SPEAKER/CLOCK IN COMMON BACKBOX PER PLAN @ 12" BELOW CEILING, U.O.N. |
| | FUSIBLE DISCONNECT SWITCH | | WALL CLOCK PER PLAN @ 12" BELOW CEILING, U.O.N. |
| | FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER | [S] | SPEAKER ON WALL @ 12" BELOW CEILING, U.O.N. |
| | ELECTRIC MOTOR | | |
| | EXHAUST FAN OR FRACTIONAL HORSEPOWER MOTOR | (MD) | INTRUSION ALARM SYSTEM MOTION DETECTOR (3) |
| | SURFACE MOUNTED RACEWAY, MOUNT @ +18" A.F.F. U.O.N. | (DC) | INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT (3) |
| | RECESSED LED LIGHTING FIXTURE | (WC) | INTRUSION ALARM SYSTEM MAGNETIC WINDOW CONTACT (3) |
| | RECESSED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP | (GB) | INTRUSION ALARM SYSTEM GLASS BREAK DETECTOR (3) |
| | SURFACE MOUNTED LED LIGHTING FIXTURE | (KP) | INTRUSION ALARM SYSTEM KEYPAD (3) |
| | SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP | (CR) | INTRUSION ALARM SYSTEM CARD READER (3) |
| | SURFACE MOUNTED LED STRIP LIGHT | (FR) | INTRUSION ALARM SYSTEM FOB READER (3) |
| | SURFACE MOUNTED LED STRIP LIGHT WITH EMERGENCY BATTERY BACKUP | (C) | SECURITY CAMERA ROUGH-IN LOCATION PER PLAN (3) |
| | POST TOP MOUNTED LIGHTING FIXTURE | | |
| | WALL MOUNTED LIGHTING FIXTURE | [SD] | FIRE ALARM SMOKE DETECTOR ON CEILING, U.O.N. |
| | WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP | [SM] | FIRE ALARM SYNC MODULE |
| | CEILING MOUNTED LIGHTING FIXTURE | [HD] | FIRE ALARM HEAT DETECTOR ON CEILING, U.O.N. |
| | CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP | [DD] | FIRE ALARM DUCT DETECTOR IN HVAC DUCT |
| | RECESSED LIGHTING FIXTURE | [WF] | FIRE ALARM WATERFLOW DETECTION SWITCH |
| | RECESSED FIXTURE WITH EMERGENCY BATTERY BACKUP | [WT] | FIRE ALARM ADDRESSABLE WATERFLOW / TAMPER SWITCH MODULE |
| | SURFACE MOUNTED ROUND LIGHTING FIXTURE | [TS] | FIRE ALARM TAMPER SWITCH |
| | SURFACE MOUNTED ROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP | [CC] | FIRE ALARM ADDRESSABLE INPUT/OUTPUT MODULE |
| | ILLUMINATED EXIT SIGN MOUNTED ON CEILING | [CR] | FIRE ALARM ADDRESSABLE CONTROL RELAY MODULE |
| | ILLUMINATED EXIT SIGN MOUNTED ON WALL | [DR] | FIRE ALARM DOOR RELEASE |
| | LOW LEVEL PHOTOLUMINESCENT EXIT SIGN MOUNTED ON WALL | [AM] | FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE |
| | POLE MOUNTED EXTERIOR LIGHTING FIXTURE | [F] | FIRE ALARM MANUAL PULL STATION @ +48" TO TOP OF BOX, U.O.N. |
| 2/2 | COMBINATION VOICE AND DATA OUTLET IN WALL, WITH TWO 'D' CABLES TO IDF + TWO 'T' CABLES TO TELEPHONE BACKBOARD (1) (6) | [V] | FIRE ALARM VISUAL ALARM UNIT @ +80" MINIMUM, U.O.N. |
| X | DATA OUTLET IN WALL @ +18", U.O.N., WITH 'D' CABLES TO IDF OR MDF (SUBSCRIPT INDICATES QUANTITY OF CABLES AND STATION SIDE JACKS) (1) (6) | [H] | INTERIOR FIRE ALARM HORN @ +10'-0", U.O.N. |
| TV | TELEVISION OUTLET IN WALL @ +18", U.O.N. (1) | [H] | EXTERIOR FIRE ALARM HORN |
| M | MICROPHONE OUTLET IN WALL @ +18", U.O.N. (1) | [AV] | FIRE ALARM HORN/STROBE ALARM UNIT @ +80" MINIMUM, U.O.N. |
| S | SPEAKER OUTLET IN WALL @ +18", U.O.N. (1) | [SV] | VOICE EVACUATION SPEAKER/STROBE ALARM UNIT @ +80" MINIMUM, U.O.N. |
| IC | INTERCOMMUNICATIONS HANDSET ON WALL @ +48" TO TOP OF BOX U.O.N. | [S] | EXTERIOR VOICE EVACUATION SPEAKER |
| WAP | WIRELESS ACCESS POINT LOCATION, PROVIDE TWO TYPE 'D' CABLES TO IDF OR MDF | | FIRE ALARM CIRCUIT END OF LINE RESISTOR |

## ELECTRICAL SYMBOLS NOTES:

(1) RUN 1"C CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N.

(2) RUN 1"C TO NEAREST WALL, THEN RISE CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. FOR SINGLE SYSTEMS INDIVIDUAL FLOORBOXES. WHERE MULTIPLE SYSTEMS OCCUR WITHIN A COMMON FLOOR BOX, RUN TWO 1"C PER ABOVE.

(3) SYSTEM IS ROUGH IN ONLY, PROVIDE BACKBOX, BLANK COVERPLATE AND CONDUIT STUB PER DETAIL PLANS.

(4) IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1 1/4"C, ONE 1"C, AND TWO 3/4"C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. THIS REQUIREMENT APPLIES TO EACH POWER AND LIGHTING PANEL INDICATED FLUSH MOUNTED ON POWER PLAN.

(5) IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1"C AND TWO 3/4"C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING U.O.N.. REQUIREMENT APPLIES TO EACH SIGNAL SYSTEM T.C. INDICATED FLUSH MOUNTED ON SIGNAL PLAN.

(6) 4S BACKBOX WITH SINGLE GANG TRIM AND COVERPLATE.

(7) ORANGE DEVICE (ISOLATED GROUND DUPLEX RECEPT. ONLY) WITH ENGRAVED WORDING ON COVER PLATE ABOVE ISOLATED GROUND RECEPT.: "COMPUTER ONLY".

## SYMBOL LEGEND AND NOTES — N.T.S. — 8

# MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVEABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

A. 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 SUPPORTS THE COMPONENT.

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

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL 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 13.6.7, 13.6.6, 13.6.5, AND 2022 CBC, SECTIONS 1617A.1.23, 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED 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 SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

ELECTRICAL DISTRIBUTION SYSTEMS:

DETAILED ON APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

# CODES, RULES & REGULATIONS

ALL WORK SHOWN HEREIN SHALL COMPLY WITH THE CURRENT REGULATIONS OF THE CALIFORNIA STATE FIRE MARSHAL, CALIFORNIA BUILDING CODE, TITLES 8 AND 19 THROUGH 24, SERVING UTILITY RULES AND ALL OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED AS TO PERMIT ANY WORK NOT IN CONFORMANCE WITH THESE CODES, RULES AND REGULATIONS. WHERE WORK OF A GREATER DEGREE IS INDICATED IN THESE PLANS OR SPECIFICATIONS, THAT REQUIREMENT SHALL GOVERN SUCH WORK.

# C.E.C. TITLE 24 COMPLIANCE

THE LIGHTING AND LIGHTING CONTROL SYSTEMS DESIGN DEPICTED HEREIN IS IN COMPLIANCE WITH REQUIREMENTS OF THE CURRENT CALIFORNIA ENERGY COMMISSION EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS.

# GENERAL NOTES (TYPICAL)

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED ELECTRICAL EQUIPMENT.
2. REFER TO THE MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT.
3. VERIFY THE EXACT LOCATION OF ALL FLOOR BOXES AND ASSOCIATED TRENCH, BACKFILL AND SAWCUTTING REQUIREMENTS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ROUGH -IN WORK FOR THIS EQUIPMENT.
4. COORDINATE ELECTRICAL PANEL AND TERMINAL CABINET LOCATIONS AND ROUTING OF UNDERGROUND CONDUITS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF ANY ROUGH-IN WORK FOR THIS EQUIPMENT.
5. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES WHOSE WORK WILL IMPACT PLACEMENT OR CONNECTION OF ELECTRICALLY POWERED EQUIPMENT REGARDLESS OF RESPONSIBILITY FOR SUPPLYING EQUIPMENT.

## GENERAL NOTES — N.T.S. — 4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITTAL |


TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

TETER

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
ELEC. NOTES, LEGEND, SCHEDULES

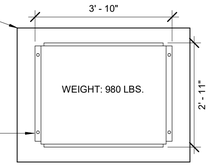
PROJECT NO.
02-12828.00

DRAWING
E800

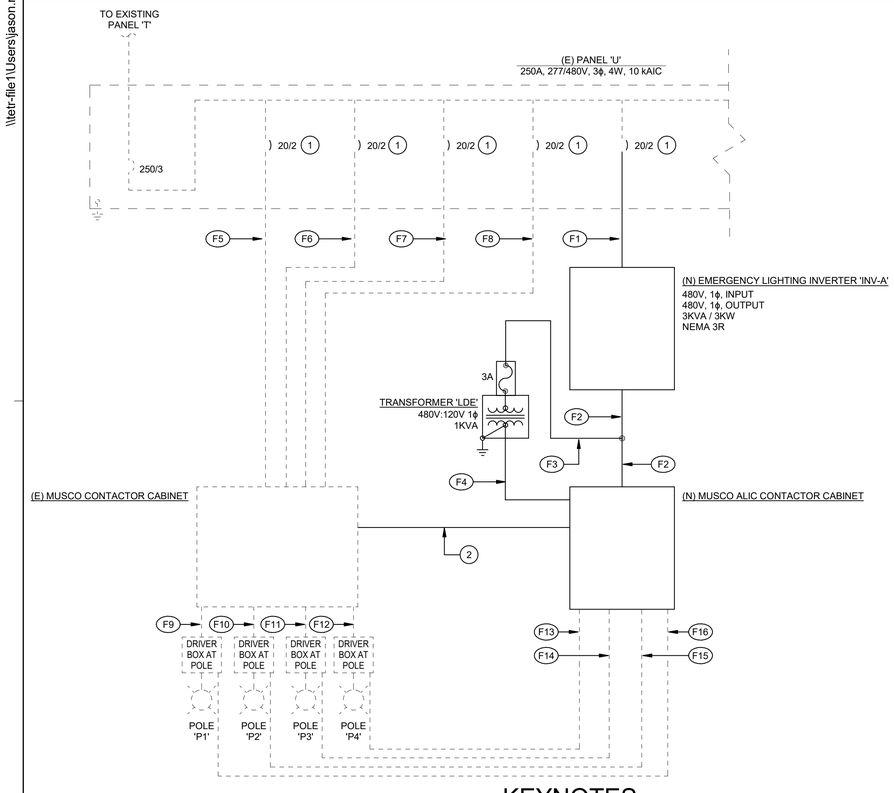
PLOT DATE: 4/12/2024 9:41:16 PM

PROVIDE 6" THICK CONCRETE PAD (EXTEND A MIN. OF 6" BEYOND EQUIPMENT FOOTPRINT) WITH #4 REBAR AT 12" O.C. EACH WAY, CENTERED VERTICALLY IN CONCRETE SLAB. CONCRETE SHALL HAVE A MINIMUM TESTED ULTIMATE COMPRESSIVE STRENGTH OF 3500 POUNDS PER SQUARE INCH AT 28 DAYS.

PROVIDE 5/8" DIA. STAINLESS STEEL HILTI KWIK-BOLT TZ2 4" EMBEDMENT. TYPICAL OF 4. INSTALL ONE PER CORNER, PER ICC-ES REPORT ESR 4266. TEST TWO ANCHORS TO 60 FT.-LBS. PER CBC 1913A.




## EMERGENCY LIGHTING INVERTER MOUNTING N.T.S. 2




## KEYNOTES

1. REMOVE (E) 30A, 3-POLE CIRCUIT BREAKER AND PROVIDE NEW 20A, 2-POLE CIRCUIT BREAKER AND CONNECT NEW BRANCH CIRCUIT.
2. PROVIDE ONE 3/4"C WITH 4#14 CU THWN BETWEEN THE (E) MUSCO CONTACTOR CABINENT AND THE NEW MUSCO ALIC CABINET.

### BRANCH CIRCUIT SCHEDULE

| CIRCUIT | ORIGIN | DESTINATION | CONDUIT | CONDUCTORS |
|---|---|---|---|---|
| F1 | PANEL 'U' | EMERGENCY INVERTER 'INV-A' | ONE 3/4"C | 2#12 CU THWN, 1#12 CU GND |
| F2 | EMERGENCY INVERTER 'INV-A' | MUSCO ALIC CABINET | ONE 3/4"C | 2#12 CU THWN, 1#12 CU GND |
| F3 | EMERGENCY INVERTER 'INV-A' | TRANSFORMER 'LDE' | ONE 3/4"C | 2#12 CU THWN, 1#12 CU GND |
| F4 | TRANSFORMER 'LDE' | 'INV-A' 120V INPUT | ONE 3/4"C | 2#12 CU THWN, 1#12 CU GND |
| F5 | PANEL 'U' | (E) MUSCO CONTACTOR CAB | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F6 | PANEL 'U' | (E) MUSCO CONTACTOR CAB | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F7 | PANEL 'U' | (E) MUSCO CONTACTOR CAB | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F8 | PANEL 'U' | (E) MUSCO CONTACTOR CAB | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |

### BRANCH CIRCUIT SCHEDULE

| CIRCUIT | ORIGIN | DESTINATION | CONDUIT | CONDUCTORS |
|---|---|---|---|---|
| F9 | (E) MUSCO CONTACTOR CAB | POLE 'P1' | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F10 | (E) MUSCO CONTACTOR CAB | POLE 'P2' | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F11 | (E) MUSCO CONTACTOR CAB | POLE 'P3' | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F12 | (E) MUSCO CONTACTOR CAB | POLE 'P4' | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F13 | MUSCO ALIC CABINET | POLE 'P1' | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F14 | MUSCO ALIC CABINET | POLE 'P2' | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F15 | MUSCO ALIC CABINET | POLE 'P3' | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |
| F16 | MUSCO ALIC CABINET | POLE 'P4' | (E) ONE 1"C | 2#10 CU THWN, 1#10 CU GND |

## PARTIAL SINGLE LINE DIAGRAM N.T.S. 3

## PANEL: U

EXISTING PANELBOARD — 250 AMP BUS, 277/480V, 3 PH, 4 W, 100% RATED NEUTRAL — MAIN: 250A CB — TRIP: THERMAL MAGNETIC — A.I.C.: 10000 A — LOCATION: POOL BUILDING — MOUNTING: SURFACE — ENCLOSURE: NEMA 3R

| CIRCUIT CKT NO. | CIRCUIT PNL SPACE | BREAKER AMP | BREAKER POLE | SERVES | VOLT-AM... LOAD | A | B | C | LOAD | SERVES | BREAKER AMP | BREAKER POLE | CIRCUIT PNL SPACE | CIRCUIT CKT NO. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | | | | 14350 | 15466 | | | 1116 | LIGHTS | 20 | 1 | 2 | 2 | |
| 3 | 3 | 125 | 3 | TRANS. 'T-PU' (PNLS 'U' & 'SP') | 17240 | | 17624 | | 384 | LIGHTS | 20 | 1 | 4 | 4 | |
| 5 | 5 | | | | 12166 | | | 12826 | 660 | **POLE WORK LTS VIA TIME CLOCK** | 20 | 1 | 6 | 6 | (1) |
| 7 | 7 | | | | 11080 | 12088 | | | 1008 | **MUSCO LIGHTING** | **20** | **2** | 8 | 8 | (4) |
| 9 | 9 | 80 | 3 | CIRCULATION PUMP | 11080 | | 12088 | | 1008 | | | | 10 | 10 | |
| 11 | 11 | | | | 11080 | | | 12088 | 1008 | **MUSCO LIGHTING** | **20** | **2** | 12 | 12 | (4) |
| 13 | 13 | 20 | 1 | LIGHTS - CHEMICAL ROOM 201&2 | 98 | 1106 | | | 1008 | | | | 14 | 14 | |
| 15 | 15 | 20 | 1 | SPARE | 0 | | 1008 | | 1008 | **MUSCO LIGHTING** | **20** | **2** | 16 | 16 | (4) |
| 17 | 17 | 20 | 1 | SPARE | 0 | | | 1008 | 1008 | | | | 18 | 18 | |
| 19 | 19 | | | | | 1008 | | | 1008 | **MUSCO LIGHTING** | **20** | **2** | 20 | 20 | (4) |
| 21 | 21 | | | SPACE | | | 1008 | | 1008 | | | | 22 | 22 | |
| 23 | 23 | | | | | | | 1500 | 1500 | **EMERGENCY LIGHTING INVERTER** | **20** | **2** | 24 | 24 | (4) |
| 25 | 25 | | | | | 1500 | | | 1500 | | | | 26 | 26 | |
| 27 | 27 | | | SPACE | | | 0 | | | | | | 28 | 28 | |
| 29 | 29 | | | | | | | 0 | | | | | 30 | 30 | |
| | | | | TOTAL CONNECTED LOAD (VA) : | | 31168 | 31728 | 27422 | | | | | | | |
| | | | | 25% LCL/LML (VA) : | | 4205 | 3622 | 3814 | | | | | | | |
| | | | | TOTAL CALCULATED LOAD (VA) : | | 35373 | 35350 | 31236 | TOTAL CALCULATED LOAD FOR PANEL: | | | | | | |
| | | | | TOTAL CALCULATED LOAD (AMPS) : | | 127.7 | 127.6 | 112.8 | 101959 VA | | | | | | |

## PANEL: UU

EXISTING PANELBOARD — 125 AMP BUS, 120/208V, 3 PH, 4 W, 100% RATED NEUTRAL — MAIN: MLO — TRIP: THERMAL MAGNETIC — A.I.C.: 10000 A — LOCATION: POOL EQUIP. ROOM — MOUNTING: SURFACE — ENCLOSURE: NEMA 1

| | CIRCUIT CKT NO. | CIRCUIT PNL SPACE | BREAKER AMP | BREAKER POLE | SERVES | VOLT-AM... LOAD | A | B | C | LOAD | SERVES | BREAKER AMP | BREAKER POLE | CIRCUIT PNL SPACE | CIRCUIT CKT NO. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (2) | 1 | 1 | **25** | **2** | **ODU-2** | **2400** | 3300 | | | 900 | GENERAL RECEPTACLES | 20 | 1 | 2 | 2 | |
| | 3 | 3 | | | | **2400** | | 3300 | | 900 | GENERAL RECEPTACLES | 20 | 1 | 4 | 4 | |
| | 5 | 5 | 15 | 1 | SUMP PUMP 1/4HP | 696 | | | 1416 | 720 | GENERAL RECEPTACLES | 20 | 1 | 6 | 6 | |
| | 7 | 7 | 20 | 1 | COMPUTER AND TV | 540 | 900 | | | 360 | ROOF RECEPTACLES | 20 | 1 | 8 | 8 | |
| | 9 | 9 | 20 | 1 | FIRE ALARM | 180 | | 540 | | 360 | LIGHTING CABINET CONTROL | 20 | 1 | 10 | 10 | |
| | 11 | 11 | 20 | 1 | SPARE | 0 | | | 0 | 0 | SPARE | 20 | 1 | 12 | 12 | |
| | 13 | 13 | 20 | 1 | SPARE | 0 | | | | 360 | RECEPTACLES - CHEMICAL ROOM... | 20 | 1 | 14 | 14 | |
| | 15 | 15 | 20 | 1 | SPARE | 0 | | | | 0 | SPARE | 20 | 1 | 16 | 16 | |
| | 17 | 17 | 15 | 1 | VF-1 | 100 | | | | 0 | SPARE (?) | 20 | 1 | 18 | 18 | |
| | 19 | 19 | 15 | 1 | EF-2A | 500 | | | | 0 | SPARE (?) | 20 | 1 | 20 | 20 | |
| | 21 | 21 | 15 | 1 | EF-2B | 500 | | | | 0 | SPARE (?) | 20 | 1 | 22 | 22 | |
| | 23 | 23 | 15 | 1 | EF-3, 1/6HP | 550 | | | | 0 | SPARE (?) | 20 | 1 | 24 | 24 | |
| (3) | 25 | 25 | **15** | **2** | **INDOOR UNIT 'IDU'2A'** | **100** | | | | **100** | **INDOOR UNIT 'IDU-2B'** | **15** | **2** | 26 | 26 | (3) |
| | 27 | 27 | | | | **100** | | | | **100** | | | | 28 | 28 | |
| | 29 | 29 | -- | -- | SPACE | | | | | | SPACE | -- | -- | 30 | 30 | |
| | | | | | TOTAL CONNECTED LOAD (VA) : | | 4200 | 3840 | 1416 | | | | | | | |
| | | | | | 25% LCL/LML (VA) : | | 650 | 650 | 0 | | | | | | | |
| | | | | | TOTAL CALCULATED LOAD (VA) : | | 4850 | 4490 | 1416 | TOTAL CALCULATED LOAD FOR PANEL: | | | | | | |
| | | | | | TOTAL CALCULATED LOAD (AMPS) : | | 40.4 | 37.4 | 11.8 | 10756 VA | | | | | | |

### PANEL SCHEDULE NOTES:

(1) CONNECT NEW TIME CLOCK AND POLE MOUNTED WORK LIGHTS TO EXISTING SPARE CIRCUIT BREAKER.

(2) REMOVE EXISTING 20A, 2-POLE, CIRCUIT BREAKER MADE IDLE BY DEMOLITION OF EXISTING BRANCH CIRCUIT. PROVIDE NEW 25A, 2-POLE, CIRCUIT BREAKER AND CONNECT NEW BRANCH CIRCUIT.

(3) PROVIDE NEW 15A, 2-POLE CIRCUIT BREAKER AND CONNECT NEW BRANCH CIRCUIT.

(4) REMOVE (E) 30A, 3-POLE CIRCUIT BREAKER AND PROVIDE NEW 20A, 2-POLE CIRCUIT BREAKER AND CONNECT NEW BRANCH CIRCUIT.

## PANEL SCHEDULES - PANELS 'U' & 'UU' N.T.S. 1



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITAL |

REGISTERED PROFESSIONAL ENGINEER — JASON E. MARCH — No. E 24283 — 12-31-2025 — ELECTRICAL — STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

TETER

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
PANEL SCHEDULES

PROJECT NO.
02-12828.00

DRAWING
E801

STATE OF CALIFORNIA
**Indoor Lighting**
CALIFORNIA ENERGY COMMISSION

| CERTIFICATE OF COMPLIANCE | NRCC-LTI-E |
|---|---|
| *This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.* | |
| **Project Name:** 12828, SELMA HS POOL | **Report Page:** **(Page 1 of 6)** |
| **Project Address:** | **Date Prepared:** 2023-12-12T11:57:52-05:00 |

**A. GENERAL INFORMATION**

| | | | | | |
|---|---|---|---|---|---|
| 01 | Project Location (city) | Selma | 04 | Total Conditioned Floor Area (ft²) | 0 |
| 02 | Climate Zone | 13 | 05 | Total Unconditioned Floor Area (ft²) | 128 |
| 03 | Occupancy Types Within Project (select all that apply): | | 06 | # of Stories (Habitable Above Grade) | 1 |

● Support Areas

**B. PROJECT SCOPE**

*This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.*

| Scope of Work | Conditioned Spaces | | Unconditioned Spaces | |
|---|---|---|---|---|
| 01 | 02 | 03 | 04 | 05 |
| My Project Consists of (check all that apply): | Calculation Method | Area (ft²) | Calculation Method | Area (ft²) |
| ☐ New Lighting System | N/A | 0 | Area Category And Tailored Method | 0 |
| ☐ New Lighting System - Parking Garage | N/A | 0 | N/A | 0 |
| ☒ Altered Lighting System | N/A | 0 | Rated Power Reduction Method | 128 |
| **Total Area of Work (ft²)** | | | 128 | |



STATE OF CALIFORNIA
**Indoor Lighting**
CALIFORNIA ENERGY COMMISSION

| CERTIFICATE OF COMPLIANCE | NRCC-LTI-E |
|---|---|
| **Project Name:** 12828, SELMA HS POOL | **Report Page:** **(Page 2 of 6)** |
| | **Date Prepared:** 2023-12-12T11:57:52-05:00 |

**C. COMPLIANCE RESULTS**

*If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.*

| *Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)* | Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts) | | | | | | Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts) | | | | Compliance Results |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 02 | 03 | 04 | 05 | | 06 | 07 | | 08 | 09 |
| | Complete Building 140.6(c)1 | Area Category 140.6(c)2 / 170.2(e)4 | Area Category Additional 140.6(c)2G / 170.2(e)4Av ( + ) | Tailored 140.6(c)3 / 170.2(e)4B ( + ) | | | Total Designed (Watts) | Adjustments: PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-) | | **Total Adjusted** (Watts) *Includes Adjustments | |
| | (See Table I) | (See Table I) | (See Table J) | (See Table K) | **Total Allowed** (Watts) | | (See Table F) | (See Table P) | | | **05 must be >= 08 140.6 / 170.2(e)** |
| **Conditioned** | | | | | = | ≥ | | | = | | |
| **Unconditioned** | | | | | = | ≥ | | | = | | |
| **Controls Compliance (See Table H for Details)** | | | | | | | | | | | |
| **Rated Power Reduction Compliance (See Table Q for Details)** | | | | | | | | | | | COMPLIES |

**D. EXCEPTIONAL CONDITIONS**

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

**E. ADDITIONAL REMARKS**

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

**F. INDOOR LIGHTING FIXTURE SCHEDULE**

*This section does not apply to this project.*



STATE OF CALIFORNIA
**Indoor Lighting**
CALIFORNIA ENERGY COMMISSION

| CERTIFICATE OF COMPLIANCE | NRCC-LTI-E |
|---|---|
| **Project Name:** 12828, SELMA HS POOL | **Report Page:** **(Page 3 of 6)** |
| | **Date Prepared:** 2023-12-12T11:57:52-05:00 |

**G. MODULAR LIGHTING SYSTEMS**

*This section does not apply to this project.*

**H. INDOOR LIGHTING CONTROLS (Not including PAFs)**

*This section does not apply to this project.*

**I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS**

*Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .*

**J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM**

*This section does not apply to this project.*

**K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE**

*This table includes areas using the Tailored Method per 140.6(c)3 / 170.2(e)4B. If additional Tailored Method "use it or lose it" allowances are used it is also indicated. Lighting that qualifies for one of the additional allowances shall not qualify for another additional allowance.*

**L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY**

*This section does not apply to this project.*

**M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING**

*This section does not apply to this project.*

**N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS**

*This section does not apply to this project.*



STATE OF CALIFORNIA
**Indoor Lighting**
CALIFORNIA ENERGY COMMISSION

| CERTIFICATE OF COMPLIANCE | NRCC-LTI-E |
|---|---|
| **Project Name:** 12828, SELMA HS POOL | **Report Page:** **(Page 4 of 6)** |
| | **Date Prepared:** 2023-12-12T11:57:52-05:00 |

**O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE**

*This section does not apply to this project.*

**P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))**

*This section does not apply to this project.*

**Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS**

*Indoor lighting alterations complying prescriptively with 141.0(b)2I(iii) / 180.2(b)4biv are documented in this table. Any control option having a * will include a note in the Notes section of this table detailing how compliance is achieved, otherwise the compliance status in Table C will say "DOES NOT COMPLY".*

| | | | | | |
|---|---|---|---|---|---|
| 01 | ☒ | Alteration scope includes a one-for-one luminaire alteration within a building or tenant space of 5,000 ft² or less per 141.0(b)2I(iii) / 180.2(b)4biv. | | | |
| 02 | ☐ | At least one floor or complete tenant space includes a one-for-one luminaire alteration of 50 or less luminaires, per annum. These spaces do not need to comply with Part 6 requirements and therefore do not need to be included in tables below per Exception 6 to 141.0(b)2I / 180.2(b)4biv. | Applicable Spaces | OR ☒ | Exception 6 applies to all spaces within the permit application |

**Fixture Schedule** (Includes all luminaires being altered in the project).

**R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS**

*This section does not apply to this project.*

**S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)**

*This section does not apply to this project.*

**T. DWELLING UNIT LIGHTING**

*This section does not apply to this project.*



STATE OF CALIFORNIA
**Indoor Lighting**
CALIFORNIA ENERGY COMMISSION

| CERTIFICATE OF COMPLIANCE | NRCC-LTI-E |
|---|---|
| **Project Name:** 12828, SELMA HS POOL | **Report Page:** **(Page 5 of 6)** |
| | **Date Prepared:** 2023-12-12T11:57:52-05:00 |

**U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**

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

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

**V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

*There are no NRCA forms required for this project.*



STATE OF CALIFORNIA
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CALIFORNIA ENERGY COMMISSION

| CERTIFICATE OF COMPLIANCE | NRCC-LTI-E |
|---|---|
| **Project Name:** 12828, SELMA HS POOL | **Report Page:** **(Page 6 of 6)** |
| **Project Address:** | **Date Prepared:** 2023-12-12T11:57:52-05:00 |

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

| | |
|---|---|
| Documentation Author Name: Jason March | Documentation Author Signature: Jason March |
| Company: TETER, INC. | Signature Date: 04/12/24 |
| Address: 10000 STOCKDALE HWY, #350 | CEA/ HERS Certification Identification (if applicable): |
| City/State/Zip: BAKERSFIELD, CA 93311 | Phone: 661.834.8400 |

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

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

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

| | |
|---|---|
| Responsible Designer Name: JASON MARCH | Responsible Designer Signature: Jason March |
| Company: TETER, INC. | Date Signed: 04/12/24 |
| Address: 10000 STOCKDALE HWY, #350 | License: E24293 |
| City/State/Zip: BAKERSFIELD, CA 93311 | Phone: 661.834.8400 |



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SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITTAL |

REGISTERED PROFESSIONAL ENGINEER JASON M. MARCH No. E 24293 12-31-24 ELECTRICAL STATE OF CALIFORNIA


TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
TETER


SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
CALIFORNIA ENERGY COMPLIANCE FORMS

PROJECT NO.
02-12828.00

DRAWING
E900

PLOT DATE: 4/12/2024 9:41:17 PM

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STATE OF CALIFORNIA
**Outdoor Lighting**
CALIFORNIA ENERGY COMMISSION

| CERTIFICATE OF COMPLIANCE | NRCC-LTO-E |
|---|---|
| *This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.* | |
| **Project Name:** 12828, SELMA HS POOL | **Report Page:** (Page 1 of 7) |
| **Project Address:** | **Date Prepared:** 2023-12-12T13:16:17-05:00 |

## A. GENERAL INFORMATION

| | | | | |
|---|---|---|---|---|
| 01 | Project Location (city) | Selma | | |
| 02 | Climate Zone | 13 | 04 | Total Illuminated Hardscape Area (ft²) 13694 |
| 03 | Outdoor Lighting Zone per Title 24 Part 1 | 10.114 or as designated by Authority Having Jurisdiction (AHJ): | | |
| ☐ | LZ-0: Very Low - Undeveloped Parkland | ☐ LZ-2: Moderate - Urban Clusters | ☐ | LZ-4: High - Must be reviewed by CA Energy Commission for Approval |
| ☐ | LZ-1: Low - Rural Areas | ☒ LZ-3: Moderately High - Urban Areas | | |
| 05 | Occupancy Types within Project | | | |
| • Sports Arena | | | | |

## B. PROJECT SCOPE

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

**My Project Consists of:**

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

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

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

## G. SHIELDING REQUIREMENTS (BUG)

*This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.*

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Backlight Rating[2] | | | Uplight Rating[2] | | | Glare Rating (Lumens)[2] | | | | Field Inspector |
| Name or Item Tag | Complete Luminaire Description | Mounting Height[1] | Max Allowable Backlight Rating[3] | Backlight Rating Per Design | Lighting type | Max Allowable Uplight Rating[3] | Uplight Rating Per Design | Mounting Height[1] | Max Allowable Glare Rating[3] | Glare Rating Per Design | Pass | Fail |
| S2 | Pole Mounted LED Area Work Light | 2 MH from property line | No Limit | B0 | Area Lighting | U0 | U0 | > 2 MH from property line | G3 | G0 | ☐ | ☐ |

[1] *FOOTNOTES: Mounting Height is labeled MH in this table.*
[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)*
[3] *BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.*

## H. OUTDOOR LIGHTING CONTROLS

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

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

| 01 | 02 | 03 | 04 | 05 | |
|---|---|---|---|---|---|
| Area Description | Shut-Off 130.2(c)1 / 160.5(c) | Auto-Schedule 130.2(c)2 / 160.5(c) | Motion Sensor 130.2(c)3 / 160.5(c) | Field Inspector | |
| | | | | Pass | Fail |
| Pool Deck: "S2" | Astronomical Timer | Provided | NA: Athletic Fields/Playgrounds Lighting | ☐ | ☐ |

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

## DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

| | |
|---|---|
| Documentation Author Name: Jason March | Documentation Author Signature: Jason March |
| Company: TETER, INC. | Signature Date: 04/12/24 |
| Address: 10000 STOCKDALE HWY, #350 | CEA/ HERS Certification Identification (if applicable): |
| City/State/Zip: BAKERSFIELD, CA 93311 | Phone: 661.834.8400 |

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

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

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

| | |
|---|---|
| Responsible Designer Name: JASON MARCH | Responsible Designer Signature: Jason March |
| Company: TETER, INC. | Date Signed: 04/12/24 |
| Address: 10000 STOCKDALE HWY, #350 | License: E24293 |
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STATE OF CALIFORNIA
**Outdoor Lighting**
CALIFORNIA ENERGY COMMISSION


| CERTIFICATE OF COMPLIANCE | NRCC-LTO-E |
|---|---|
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## C. COMPLIANCE RESULTS

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

**Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv**

| 01 | | 02 | | 03 | | 04 | | 05 | | 06 | | 07 | | 08 | 09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I) | + | Per Application 140.7(d)2 / 170.2(e)6 (See Table J) | + | Sales Frontage 140.7(d)2 (See Table K) | + | Ornamental 140.7(d)2 / 170.2(e)6 (See Table L) | + | Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M) | OR | Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N) | = | **Total Allowed** (Watts) | ≥ | **Total Actual** (Watts) | **07 must be >= 08** |
| 850.37 | + | --- | + | --- | + | --- | + | --- | OR | --- | = | 850.37 | ≥ | 660 | COMPLIES |
| **Shielding Compliance (See Table G for Details)** | | | | | | | | | | | | | | | COMPLIES |
| **Controls Compliance (See Table H for Details)** | | | | | | | | | | | | | | | COMPLIES |

## D. EXCEPTIONAL CONDITIONS

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

## E. ADDITIONAL REMARKS

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


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CALIFORNIA ENERGY COMMISSION


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## F. OUTDOOR LIGHTING FIXTURE SCHEDULE

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

**Designed Wattage:**

| 01 | 02 | | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name or Item Tag | Complete Luminaire Description | | Watts per luminaire[1, 2] | How is Wattage determined | Total Number Luminaires[2] | Luminaire Status[3] | Excluded per 140.7(a) / 170.2(e)6A | Design Watts | Cutoff Req. > 6,200 initial lumen output. 130.2(b) / 160.5(c1)[4] | Field Inspector | |
| | | | | | | | | | | Pass | Fail |
| S2 | Pole Mounted LED Area Work Light | ☐ Linear | 165 | Mfr. Spec | 4 | New | ☐ | 660 | Provided | ☐ | ☐ |
| | | | | | | | **Total Design Watts:** | 660 | | | |

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

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column D5 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*


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

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

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

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

| 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
|---|---|---|---|---|---|---|---|
| | Area Wattage Allowance (AWA) | | | Linear Wattage Allowance (LWA) | | | Total General AWA + LWA (Watts) |
| Area Description | Illuminated Area (ft²) | Allowed Density (W/ft²) | Area Allowance (Watts) | Perimeter Length (lf) | Allowed Density (W/lf) | Linear Allowance (Watts) | |
| Pool Deck | 13694 | 0.021 | 287.57 | 1564 | 0.2 | 312.8 | 600.37 |
| | | | | **Initial Wattage Allowance for Entire Site (Watts):** | | | 250 |
| | | | | **Instances of Initial Wattage Allowance (LZ 0 only)[1]** | | | |
| | | | | **Total General Hardscape Allowance (Watts):** | | | 850.37 |

## J. LIGHTING ALLOWANCE: PER APPLICATION

*This section does not apply to this project.*

## K. LIGHTING ALLOWANCE: SALES FRONTAGE

*This section does not apply to this project.*

## L. LIGHTING ALLOWANCE: ORNAMENTAL

*This section does not apply to this project.*


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## M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

*This section does not apply to this project.*

## N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

*This section does not apply to this project.*

## O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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

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

## P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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

| Form/Title | Systems/Spaces To Be Field Verified |
|---|---|
| NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires. | Pool Deck: "S2" |


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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITTAL |



**TETER, INC.**
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED


SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

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E901

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# GENERAL NOTES:

## SCOPE OF WORK

Removal of existing light fixtures and cross–arms. Installation of new light fixtures and cross–arms. Removal and replacement of existing ballast boxes.

## APPLICABLE BUILDING CODE

All construction and workmanship shall conform to the 2022 California Building Code, California Code of Regulations – Title 24, Parts 1 & 2.

Existing poles and foundations were checked per the current building code using the following lateral forces:

Wind Design Data:
- Vult = 94 MPH (Exposure C); Vasd = 74 MPH (Exposure C)
- Risk Category = II

Seismic Design Data:
- Ie = 1.0
- Risk Category = II (Self Supporting Poles)
- $S_s$ = 0.590
- $S_1$ = 0.228
- Site Class = D–Default
- $S_{DS}$ = 0.522
- $S_{D1}$ = 0.326
- Seismic Design Category = D
- Basic Seismic–Force–Resisting System = Non–Building Structure, not similar to buildings
- Cs = 0.127 (STRENGTH LEVEL)
- R = 1.5
- Ω = 1.5
- Analysis Procedure = Equivalent Lateral Force Procedure
- See Pole Foundation Schedule for maximum pole seismic forces.

## GENERAL CONSTRUCTION

These notes shall be used in conjunction with the plans and any discrepancies shall be brought to the attention of the Engineer.

Contractor must check all dimensions, clearances and job conditions before starting work. Engineer shall be notified immediately of any discrepancies or possible deficiencies.

The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, etc., is the sole responsibility of the Contractor. Observation visits to the job site by the Engineer do not include inspection of construction procedures. The Contractor is solely responsible for all construction methods and for safety conditions at the worksite. These visits shall not be construed as continuous and detailed inspections.

Design, material, equipment, and products other than those described below or indicated on the drawings may be considered for use, provided prior approval is obtained from the School District, Engineer, and the Division of the State Architect.

All changes in approved plans shall be made by means of construction change documents (CCD) approved by the Division of State Architect, as required by Section 4–338, Part 1, Title 24, CCR. All CCD documents shall be signed by the Architect and Owner. Addenda shall be signed by the design professional in general responsible charge.

Substitutions shall be considered as a CCD and shall be approved by DSA prior to fabrication or use.

All Tests And Inspections shall be performed by an Independent lab employed by the School District and approved by DSA.

Reference pole location drawings provided by the Architect, Structural Engineer, or Electrical Engineer for actual pole placement and site location.

## LIGHT POLE FOUNDATIONS

Reference chapter 18A, sections 1806A, 1807A, and 1810A of the 2022 edition of the California Building Code. assume class 5 soils.

Assumed allowable end bearing soil pressure: 1,500 psf (table 1806A.2) or 250 psf skin friction (section 1810A.3.3.1.4)

Assumed allowable lateral passive soil bearing pressure: 200 psf/ft for isolated poles not adversely affected by a 0.5 inch motion at the ground surface (section 1806A.3.4).

## STEEL POLE

All miscellaneous structural steel items conform to AISC 360–16.

All weldment conforms with AWS D1.1 specification for GMAW fillet utilizing E70S–X filler metal or SAW fillet utilizing F7XX–EXXX or F8XX–EXXX filler metal.
GMAW procedure conforms to AWS A5.18.
SAW procedure conforms to AWS A5.23.

All field welding shall be in compliance with AWS D1.1 specification.

All welding shall be continously inspected by an AWS CWI certified inspector approved by DSA.

All exposed steel shall be hot dipped galvanized to ASTM A123 latest standards.

## TESTING AND INSPECTION

Testing and inspection in accordance with Title 24, Part 1 & Part 2 & project DSA 103 form.

STEEL MATERIALS:
Structural steel – 2202A.1 & 2205A.1
Cold formed steel – 2210A.1
Identification – 2202A.1

STEEL QUALITY:
Tests of structural steel & cold formed steel – 2202A.1

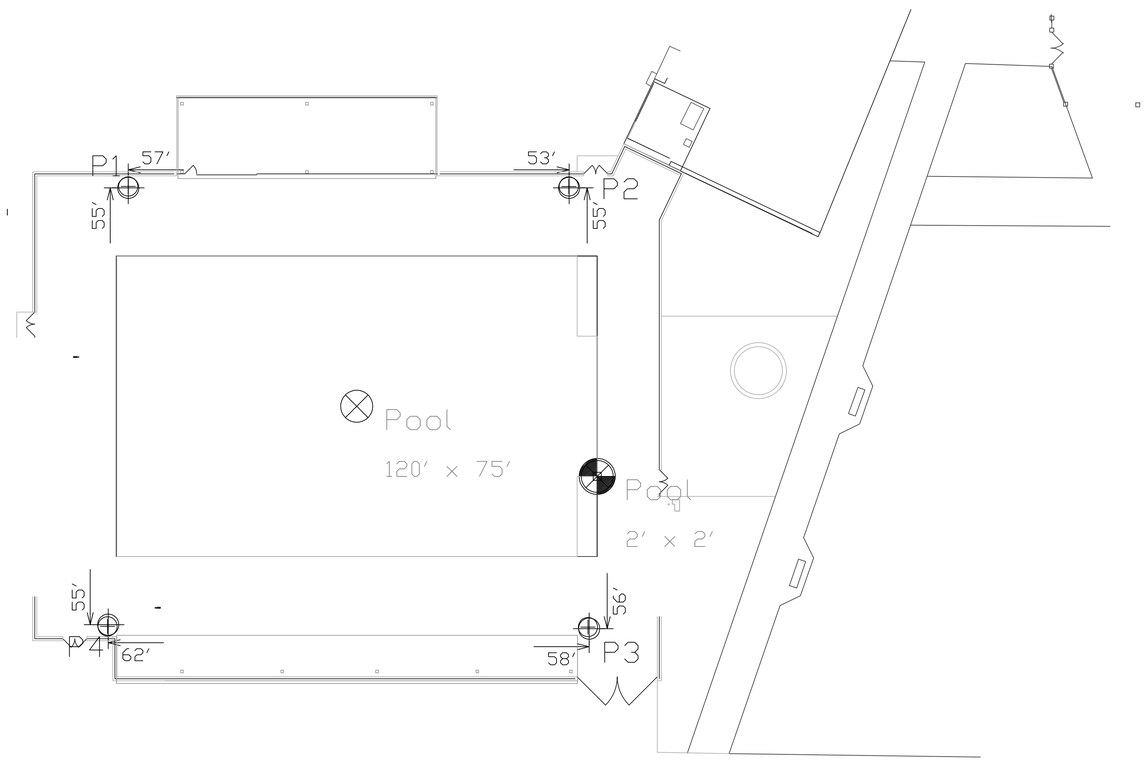
STRUCTURAL STEEL INSPECTIONS: Table 1705A.2.1
Shop fabrication inspection – 1704A2.5
Welding – 1705A.2.5, DSA IR 17–3 and AWS D1.1.

NOTE: Field verify existing pole conditions & repair any defects, if found. Repair procedures and details to be reviewed and approved by Structural Engineer of Record and DSA.

These plans are for construction approval. An application number and approval of these drawings by the Division of The State Architect of California must be secured to build from these plans.

## INDEX OF SHEETS






## POLE ORIENTATION PLAN

N.T.S.

NOTE: THIS PLAN IS A PICTORAL REPRESENTATION OF THE SITE LAYOUT. REFERENCE APPROPRIATE ARCHITECTURAL SITE PLAN FOR ALL NECESSARY INFORMATION.

## (E) POLE FOUNDATION LOAD SCHEDULE

| POLE TYPE–# OF FIXTURES (MAX) (LSS=LIGHT STRUCTURE) | MARK (SEE POLE ORIENTATION PLAN) | WIND OR SEISMIC (SEISMIC FORCE INCLUDES OVERSTRENGTH FACTOR=1.5) | ASD LEVEL FORCES (MAX) | | |
|---|---|---|---|---|---|
| | | | MOMENT (M) FT–LBS* | SHEAR (V) LBS | VERTICAL (P) LBS** |
| (E)LSS60A–3 | P1–P4 | SEISMIC | 8,477 | 239 | 1,792 |
| | | WIND | 27,110 | 741 | 1,002 |

*Moment (M) computed below grade at Shear (V) = 0.
**Vertical (P) load includes steel pole, light fixtures, and attachments. Vertical (P) load for wind is the dressed pole weight for erection purposes. Vertical (P) load for seismic also includes weight of precast base above groundline.



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# Selma HS Pool Retro
# FIELD LIGHTING
Selma, CA


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Oskaloosa, Iowa 52577
800/825–6020

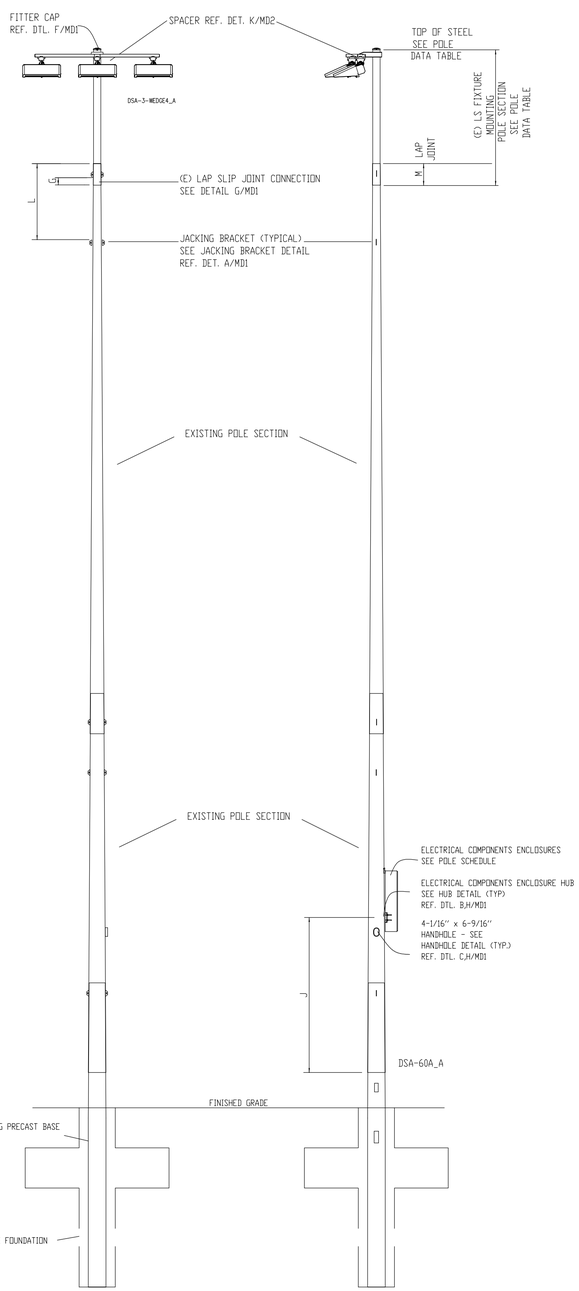

DRAWING TITLE: NOTES, FOUNDATION DETAIL
SCALE: SEE PLAN
REVISIONS:
REFERENCE:

PROJECT NO. 212023

DATE: 04/01/2024

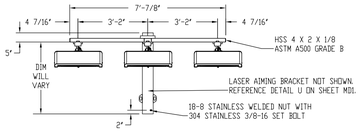
DRAWN BY: Aaron Rose

DRAWING NO. MT1

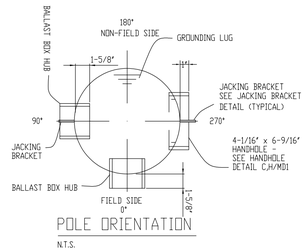



LSS60A POLE FRONT VIEW
N.T.S.

LSS60A POLE SIDE VIEW
N.T.S. DSA-60ABASE_A




B 3 FIXTURE CONFIGURATION
N.T.S. DSA-3C-WEDGE4_A




POLE ORIENTATION
N.T.S.

| NOTATION | DIMENSION |
|---|---|
| | LSS60A |
| G | 1'-6" |
| L | 4'-7" NOM. |
| M 2 (Max X-arms) | 1'-8" NOM. 11 1/2" MIN. |

1. CONTAINS COMBINED EPA OF LIGHT FIXTURES, CROSS ARM AND MISCELLANEOUS FIXTURE MOUNTING APPARATUS.

FIXTURE WEIGHT 51 LBS. THIS INCLUDES THE WEIGHT OF FIXTURE, CROSS ARM & MISC. MOUNTING APPARATUS. ELECTRICAL BALLAST BOX WEIGHT 20 LBS PER FIXTURE SERVICED

POLE SCHEDULE

| SITE LOCATION | POLE MARK | REFERENCE LOCATION | POLE TYPE | FIXTURE CONFIGURATION | TOTAL EPA[1] | BALLAST BOX REQUIREMENTS |
|---|---|---|---|---|---|---|
| SEE SITE PLAN (BY OTHERS) | P1, P2, P3, P4 | SEE POLE ORIENTATION PLAN | LSS60A | 3 - SEE DETAIL B/MS1 | 8.73 | SEE DETAIL D,D/MD1 |
| | | | | | | |
| | | | | | | |

DSA-POLESCHE_C

POLE DATA TABLE

| POLE TYPE | PIECE MARK | MAX NUMBER of X-Arms | POLE SECTION | TOP O.D. (INCHES) | BTM. O.D. (INCHES) | OVERALL LENGTH | STRAIGHT LENGTH | TAPER LENGTH | THICKNESS (INCHES) | TOP OF STEEL NOMINAL | ASTM REFERENCE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LSS60A | LS-2000 | 2 | FIXTURE MOUNTING | 4.750" | 5.081" | 5'-3" | 3'-7" | 1'-8" | .120 | 60'-2 7/8" | A513 (Fy=38ksi) |

DSA-60ADT_H

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Selma HS Pool Retro
FIELD LIGHTING
Selma, CA

REGISTERED PROFESSIONAL ENGINEER
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DRAWING TITLE: POLE DETAIL
SCALE: SEE PLAN
REVISIONS
REFERENCE:

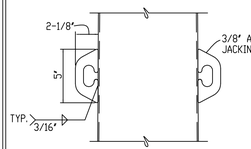
PROJECT NO. 212023

DATE: 04/01/2024

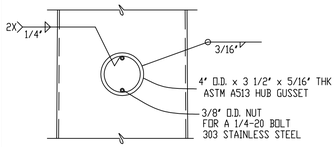
DRAWN BY: Aaron Rose

DRAWING NO. MS1
2 OF 4

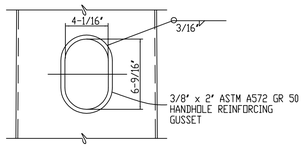
DSA-60_A




A JACKING BRACKET DETAIL
N.T.S. DSA-3RDSHEET_T




B HUB DETAIL
N.T.S. DSA-3RDSHEET_T




C HANDHOLE SLEEVE DETAIL
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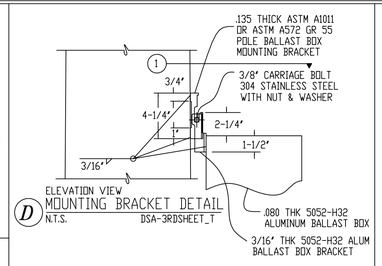


D MOUNTING BRACKET DETAIL
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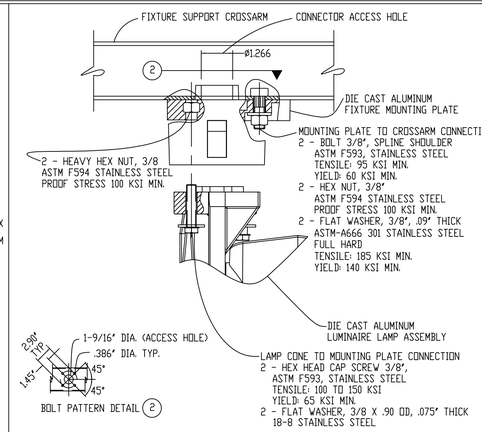
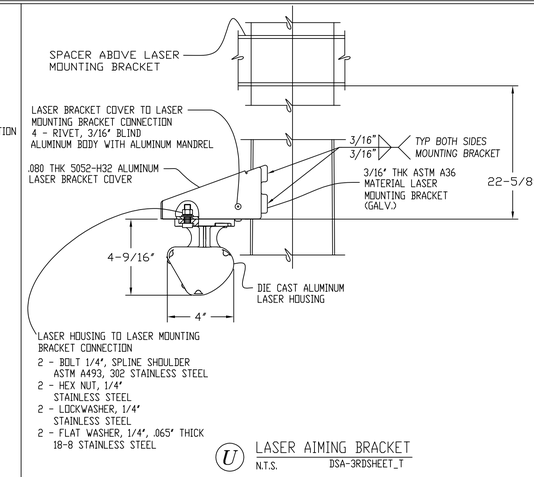
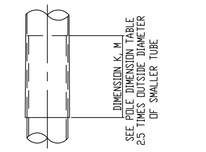


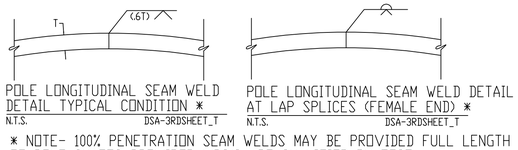

E LUMINAIRE ATTACHMENT DETAIL
N.T.S. DSA-3RDSHEET_T




U LASER AIMING BRACKET
N.T.S. DSA-3RDSHEET_T




G SLIP JOINT CONNECTION DETAIL
N.T.S. DSA-LAP

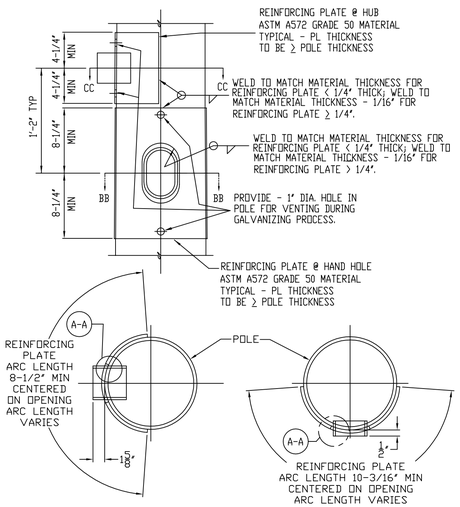



POLE LONGITUDINAL SEAM WELD
DETAIL TYPICAL CONDITION *
N.T.S. DSA-3RDSHEET_T

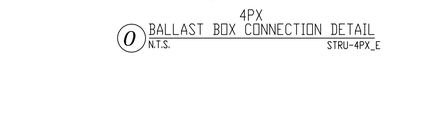


POLE LONGITUDINAL SEAM WELD DETAIL
AT LAP SPLICES (FEMALE END) *
N.T.S. DSA-3RDSHEET_T

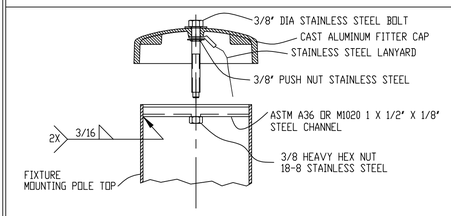
* NOTE- 100% PENETRATION SEAM WELDS MAY BE PROVIDED FULL LENGTH OF POLE SHAFTS PROVIDED WPS'S ARE QUALIFIED BY TEST.




H HANDHOLE/HUB REINFORCING GUSSET
N.T.S.




O BALLAST BOX CONNECTION DETAIL
N.T.S. STRU-4PX_E




F FITTER CAP DETAIL
N.T.S. DSA-3RDSHEET_T



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Selma HS Pool Retro
FIELD LIGHTING
Selma, CA

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REFERENCE:

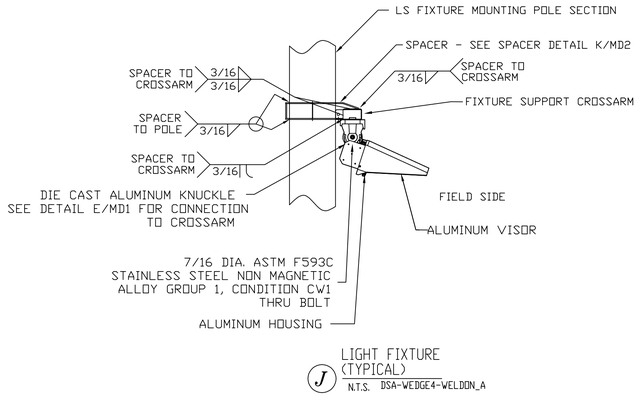
PROJECT NO. 212023

DATE: 04/01/2024

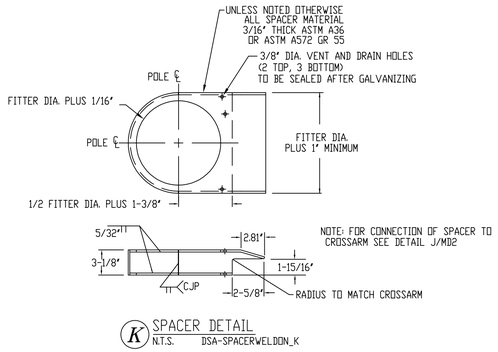
DRAWN BY: Aaron Rose

DRAWING NO. 3 OF 5 MD1

STRU-M01




J LIGHT FIXTURE (TYPICAL)
N.T.S. DSA-WEDGE4-WELDON_A




K SPACER DETAIL
N.T.S. DSA-SPACERWELDON_K



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# Selma HS Pool Retro
# FIELD LIGHTING
Selma, CA

PROFESSIONAL ENGINEER ★ REGISTERED ★ STRUCTURAL ★ STATE OF CALIFORNIA
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PROJECT NO. 212023

DATE: 04/01/2024

DRAWN BY: Aaron Rose

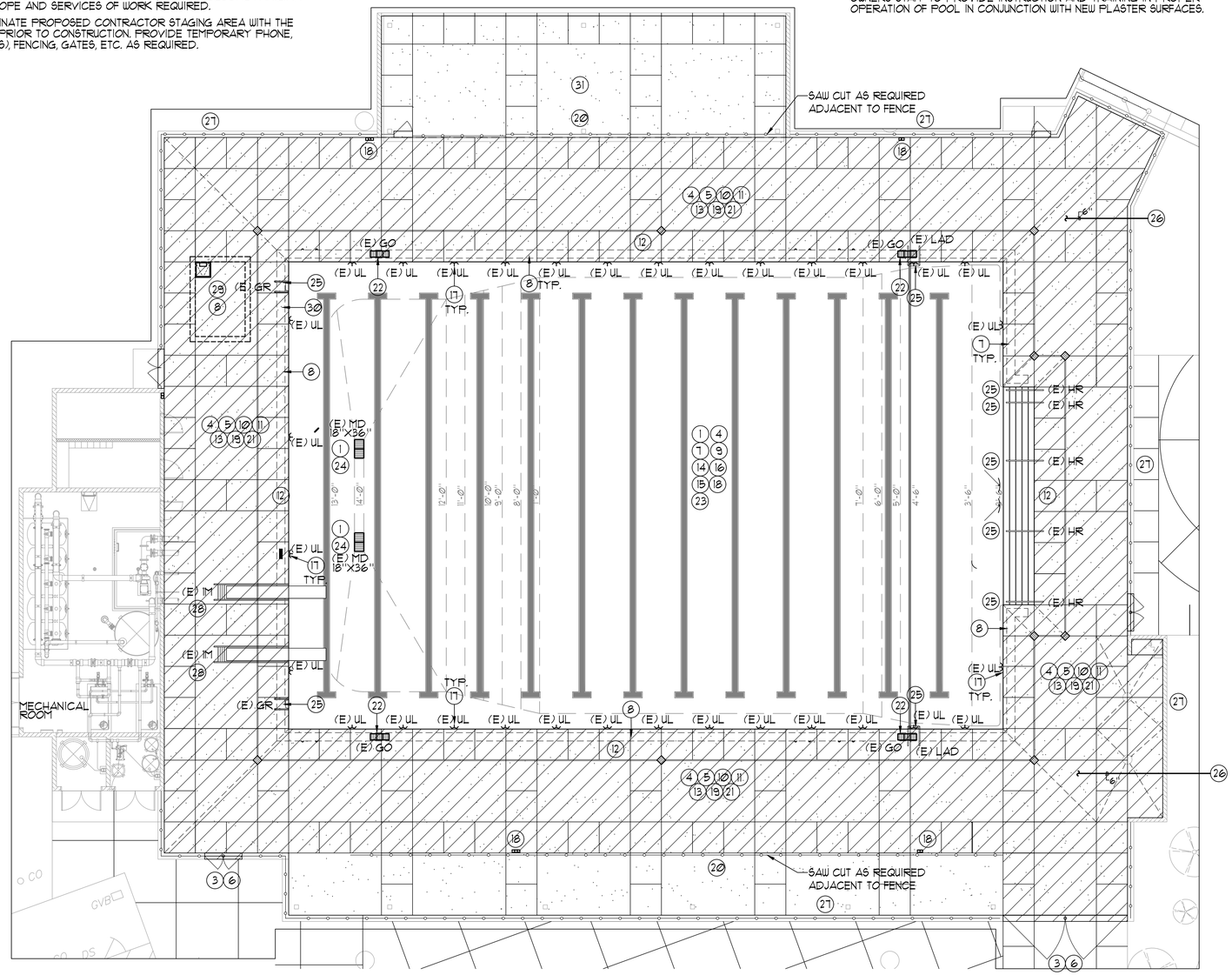
DRAWING NO. MD2
4 OF 4

STRU-MD2

\\tetr-file1\Users\cesar.silva_TETR\Documents\12828-A-SUSD_Selma HS Pool Mod_cesar.sil.rvt

## DEMOLITION/CONSTRUCTION NOTES

1. CARE IS TO BE TAKEN DURING POOL DRAIN DOWN, TO RELIEVE ANY HYDROSTATIC PRESSURE THROUGH EXISTING HYDROSTATIC RELIEF VALVES AND DRAINING THE POOL SLOWLY.
2. THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH OTHER TRADES, AND SHALL PROTECT ALL EXISTING WORK, BUILDINGS, UTILITIES, ETC. TO REMAIN AS REQUIRED FOR RENOVATION OF SWIMMING POOL.
3. COORDINATE INGRESS/EGRESS AND HAUL ROUTES WITH THE OWNER PRIOR TO START OF WORK.
4. CONTRACTOR IS TO PHOTOGRAPH AND DOCUMENT ON A PLAN ANY AND ALL EXISTING DAMAGED ITEMS/SURFACES/FINISHES IN AND IMMEDIATELY AROUND THE WORK AREA AND ALONG ALL WORK PATHS FROM STAGING AREA PRIOR TO THE START OF WORK. CONTRACTOR IS TO SITE WALK ALL EXISTING DAMAGED AREAS WITH THE OWNER AND PROVIDE A COPY OF THE PHOTOGRAPHS AND DOCUMENTATION BEFORE WORK BEGINS. FAILURE TO PROVIDE THIS INFORMATION REPRESENTS ACCEPTANCE BY THE CONTRACTOR THAT ALL EXISTING SURROUNDING FINISHES (CONCRETE, AC PAVING, FLOORING, ETC.) AND ALL GATES, DOORS, PATHWAYS, ETC. ARE UNDAMAGED AND IN CLEAN AND FUNCTIONING CONDITION, AND CONTRACTOR ACCEPTS THE RESPONSIBILITY TO MAINTAIN AND CORRECT ANY DAMAGE LATER FOUND BY THE OWNER DURING CONSTRUCTION PERIOD IN THESE AREAS AT NO EXPENSE TO THE OWNER.
5. POOL PLAN VIEWS AND SECTIONS ARE SHOWN FOR CONTRACTOR INFORMATION AND ASSISTANCE. THE CONTRACTOR IS RESPONSIBLE FOR INDIVIDUAL SQUARE FOOTAGE TAKE-OFFS AND ESTIMATIONS WITH REGARD TO DEMOLITION, PREPARATION, AS WELL AS MEANS AND METHODS OF CONSTRUCTION. CONTRACTOR SHALL VISIT THE SITE AS REQUIRED TO ACCOMPLISH THE WORK, AND TO BECOME FAMILIAR WITH SCOPE AND SERVICES OF WORK REQUIRED.
6. COORDINATE PROPOSED CONTRACTOR STAGING AREA WITH THE OWNER PRIOR TO CONSTRUCTION. PROVIDE TEMPORARY PHONE, TOILET(S), FENCING, GATES, ETC. AS REQUIRED.
7. REMOVE ALL EXISTING GUTTER FINISH TILE, HANDHOLD TILE, WATERLINE TILE, SWIMMING POOL LANE LINES AND END WALL TARGET TILE AND PLASTER FINISHES DOWN TO ORIGINAL SOUND CONCRETE/SHOTCRETE. ANY CRACKS SHALL BE CHIPPED OUT TO A MINIMUM TO ¾"x¾" AND THEN FILLED FLUSH WITH NON-SHRINK GROUT. ALL EXPOSED REBAR, RUST SPOTS, ETC. SHALL BE EXPOSED, BUSHED DOWN 1½" BELOW FINISH SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. OTHER IMPERFECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO INSTALLING A NEW WHITE PLASTER FINISH.
8. CLEAN, REPAIR AND WATERPROOF EXISTING POOL GUTTER(S) AND SURGE CHAMBERS PER SPECIFICATIONS.
9. REPLACE ANY DAMAGED OR LOST POOL FITTINGS, FLOOR INLETS, GRATES, ROPE ANCHORS LOST DURING DEMOLITION/CONSTRUCTION AS REQUIRED.
10. REMOVE EXISTING POOL DECKS AS SHOWN HATCHED. NEW SUBGRADES ARE TO BE SCARIFIED A MIN OF 6" AND COMPACTED TO 90% PER ASTM D1557. THE CONTRACTOR SHALL COORDINATE AND PROTECT ALL ADJACENT WORK, BUILDINGS, ETC. TO REMAIN. COORDINATE DECK ELEVATIONS WITH EXISTING.
11. ELECTRICAL CONDUIT AND OTHER PIPING MAY BE CAST INTO THE EXISTING DECK SCHEDULED FOR REMOVAL. THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE REPLACEMENT OF ALL DAMAGED CONDUIT OR PIPING AND SHALL PROVIDE A PRICE PER LINEAR FOOT FOR ALL FEEDER WIRES AND NEW CONDUIT.
12. REMOVE EXISTING DECK EQUIPMENT AS REQUIRED PRIOR TO DEMOLITION. CONTRACTOR TO FIELD VERIFY AND DOCUMENT LOCATION OF EXISTING DECK EQUIPMENT ANCHORS AND INSTALL NEW ANCHORS TO MATCH EXISTING IN SAME LOCATIONS UNLESS OTHERWISE NOTED.
13. REFER TO SHEET DP-2 FOR NEW DECK LAYOUT PLAN IN COORDINATION WITH CONTRACTOR FIELD LAYOUT AND EXISTING INFORMATIONAL PLANS. ALL NEW CONCRETE SHALL BE 4,000 psi MINIMUM AT 28 DAYS.
14. THE CONTRACTOR SHALL ENSURE THAT ALL SURFACES ARE PREPARED TO RECEIVE PLASTER FINISH. WEATHER CONDITIONS SHALL BECOME A CRITICAL PART OF WORK AND SHALL BE TAKEN INTO CONSIDERATION AT THE TIME OF PLASTER APPLICATION.
15. THE CONTRACTOR SHALL PROVIDE A SUFFICIENT NUMBER OF WORKERS TO ENSURE THAT THE ENTIRE POOL CAN BE PLASTERED IN A SINGLE DAY OR SHALL PROVIDE CONTINUAL MISTING OF PLASTERED SURFACES TO ENSURE THAT PLASTER IS NOT EXPOSED TO THE AIR FOR A PERIOD OF TIME WHICH WOULD CAUSE DAMAGE IN ANY WAY.
16. THE OWNER SHALL IDENTIFY THE POOL FILL WATER SOURCE FROM CLOSEST FIRE HYDRANT AND SHALL PAY FOR THE WATER TO FILL THE POOL. THE CONTRACTOR IS RESPONSIBLE FOR FIRE HOSE, HOSES, FILLING AND PROTECTION OF PLASTER SURFACES. FILL SOURCE SHALL BE BLOWN-OFF. INITIALLY TO PROVIDE A CLEAN DOMESTIC WATER SOURCE. THE CONTRACTOR SHALL PROVIDE CONTINUOUS FILL UNTIL THE WATER IS AT OPERATIONAL LEVEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND BALANCING OF THE POOL WATER FOR A PERIOD OF NOT LESS THAN FOURTEEN (14) DAYS AFTER PLASTER. THE CONTRACTOR SHALL COORDINATE HIS EFFORTS WITH OWNERS STAFF TO PROVIDE INSTRUCTION AND TRAINING IN PROPER OPERATION OF POOL IN CONJUNCTION WITH NEW PLASTER SURFACES.
17. ALL EXISTING UNDERWATER LIGHTS TO BE REMOVED AND REPLACED WITH NEW TO EXISTING JUNCTION BOXES.
18. EXISTING UNDERWATER LIGHT JUNCTION BOXES AND OUTLETS TO REMAIN PROTECTED IN PLACE AND REUSED
19. EXISTING HOSE BIBS TO REMAIN PROTECTED IN PLACE
20. EXISTING FENCE AND GATES, TO REMAIN PROTECTED IN PLACE.
21. FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE IN CONFORMANCE WITH CFC CHAPTER 33
22. EXISTING GUTTER GRATES TO BE REMOVED AND REPLACED.
23. POOL DEPTH MARKERS TO BE REMOVED AND REPLACED.
24. POOL MAIN DRAINS GRATES TO BE REMOVED AND REPLACED
25. HANDRAILS TO BE CLEANED AND POLISHED TO 600 GRIT FINISH AND REINSTALLED WITH NEW ESCUTEON PLATES.
26. EXISTING SD SYSTEM. CONTRACTOR TO FIELD LOCATE AND PROTECT IN PLACE FOR NEW DECK DRAIN CONNECTION
27. ALL EXISTING SITE WALLS TO REMAIN PROTECTED IN PLACE
28. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING 1M DIVING STAND. PROVIDE EXISTING DIVING BOARD TO BE REUSED AND TRANSFERRED TO NEW DIVE STAND ANCHORS PER SPECIFICATIONS. CONTRACTOR SHALL INSTALL PER MANUFACTURER'S RECOMMENDATION.
29. EXISTING SURGE CHAMBER LID ACCESS HATCH AND INTERNAL COMPONENTS TO BE REMOVED AND REPLACED.
30. PREP EXISTING POOL GUTTER WALL PER NEW ROPE ANCHORS
31. EXISTING STORAGE AREA DECK TO REMAIN SAW CUT AS NECESSARY.




## SWIMMING POOL DATA

| | | |
|---|---|---|
| SURFACE AREA | = | 8,796 SQ. FT. |
| PERIMETER | = | 389 FT. |
| DEPTHS | = | 3'-6" TO 14'-0" |
| VOLUME | = | 528,322 GAL. |
| 6 HR TURNOVER | = | 1,468 GPM |

## LEGEND

| | | |
|---|---|---|
| (E) | = | EXISTING |
| MD | = | MAIN DRAIN |
| UL | = | UNDERWATER LIGHT |
| GR | = | GRABRAIL |
| LAD | = | LADDER |
| GO | = | GUTTER OUTLET |
| IM | = | IM DIVING BOARD |
| HR | = | HANDRAIL |
| AL | = | ACCESSIBLE LIFT |
| | = | LIMITS OF EXISTING POOL DECK REMOVAL. (SAW CUT ALL REMOVALS AS NECESSARY) |

NORTH

1 **DEMOLITION PLAN** 1"=10'-0"

PLOT DATE: 10/20/2023 9:37:51 AM

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DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITTAL |

LICENSED ARCHITECT
GREGORY S. TETER
C35802
REN. 07/31/25
STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

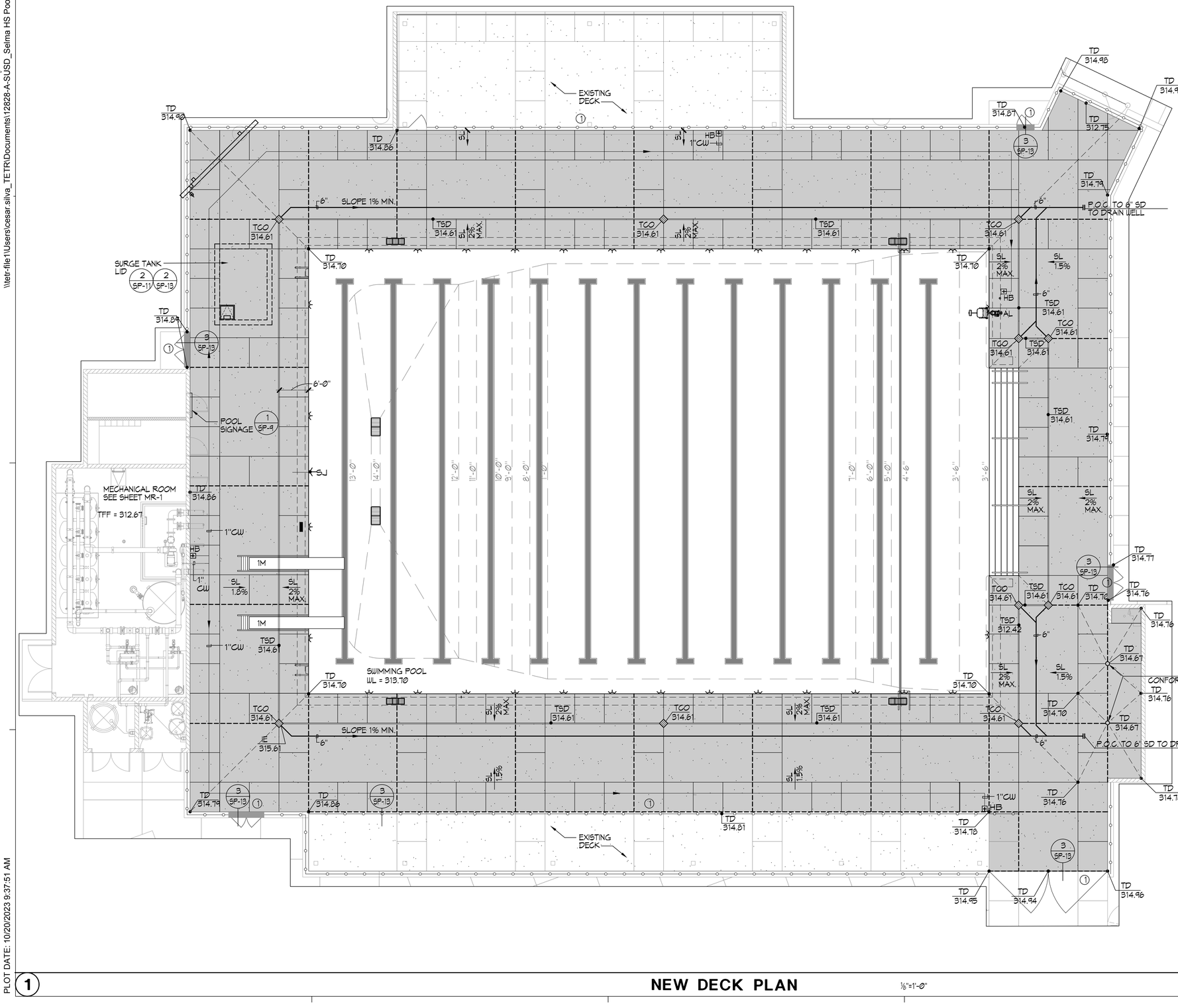
SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DEMOLITION PLAN

PROJECT NO.
02-12828.00

DRAWING
DP-1

\\tetr-file1\Users\cesar.silva_TETR\Documents\12828-A-SUSD_Selma HS Pool Mod_cesar.sil.rvt




## SWIMMING POOL DATA

| | | |
|---|---|---|
| SURFACE AREA | = | 8,796 SQ. FT. |
| PERIMETER | = | 389 FT. |
| DEPTHS | = | 3'-6" TO 14'-0" |
| VOLUME | = | 528,322 GAL. |
| 6 HR TURNOVER | = | 1,468 GPM |

## LEGEND

| | | |
|---|---|---|
| -----EJ----- | = | EXPANSION JOINT — 3A SP-8, 3C SP-8 |
| ——CJ—— | = | CONTROL JOINT — 3B SP-8 |
| ——TSD—— | = | TOP OF SLOT DRAIN — 4B SP-8 |
| TCO | = | TOP OF CLEAN-OUT — 4A SP-8 |
| TAD | = | TOP OF AREA DRAIN — 5 SP-8 |
| AL | = | ACCESIBLE LIFT — 1 SP-10 |
| 1M | = | 1M DIVE STAND |
| C | = | CONDUIT |
| SL | = | SLOPE DIRECTION |
| WL | = | WATERLEVEL |
| TD | = | TOP OF DECK |
| TFF | = | TOP OF FINISHED FLOOR |
| I.E. | = | INVERT ELEVATION |
| GA | = | GUTTER ACCESS — 2 SP-9 |
| P.O.C. | = | POINT OF CONNECTION |
| (E) | = | EXISTING |
| (E) | = | HOSE BIB |
| | = | NEW 6" THICK CONCRETE DECK W/ #4@12" O.C.E.W. |

## GENERAL NOTES

A. DECKS SHALL HAVE 1% MIN. SLOPE AND 2% MAX. SLOPE TO DRAINS. (DECK SLOPE DESIGNED W/ MAX SLOPE OF 1.8%)
B. ALL POOL DECKING SHALL BE NON-SLIP WITH MEDIUM BROOM FINISH; NATURAL GRAY CONCRETE UNLESS OTHERWISE NOTED.
C. ALL NEW DECK REINFORCEMENT SHALL BE BONDED PER CEC ARTICLE 680.

## KEY NOTES

1. NEW DECK SHALL CONFORM TO EXISTING DECK AND REMAIN FLUSH ACROSS TRANSITION.

NORTH

1 NEW DECK PLAN 1/8"=1'-0"

PLOT DATE: 10/20/2023 9:37:51 AM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
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DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
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| | 12/13/2023 | 100% CD DSA SUBMITTAL |

LICENSED ARCHITECT
GREGORY S. TETER
35302
REN. 07/31/25
STATE OF CALIFORNIA

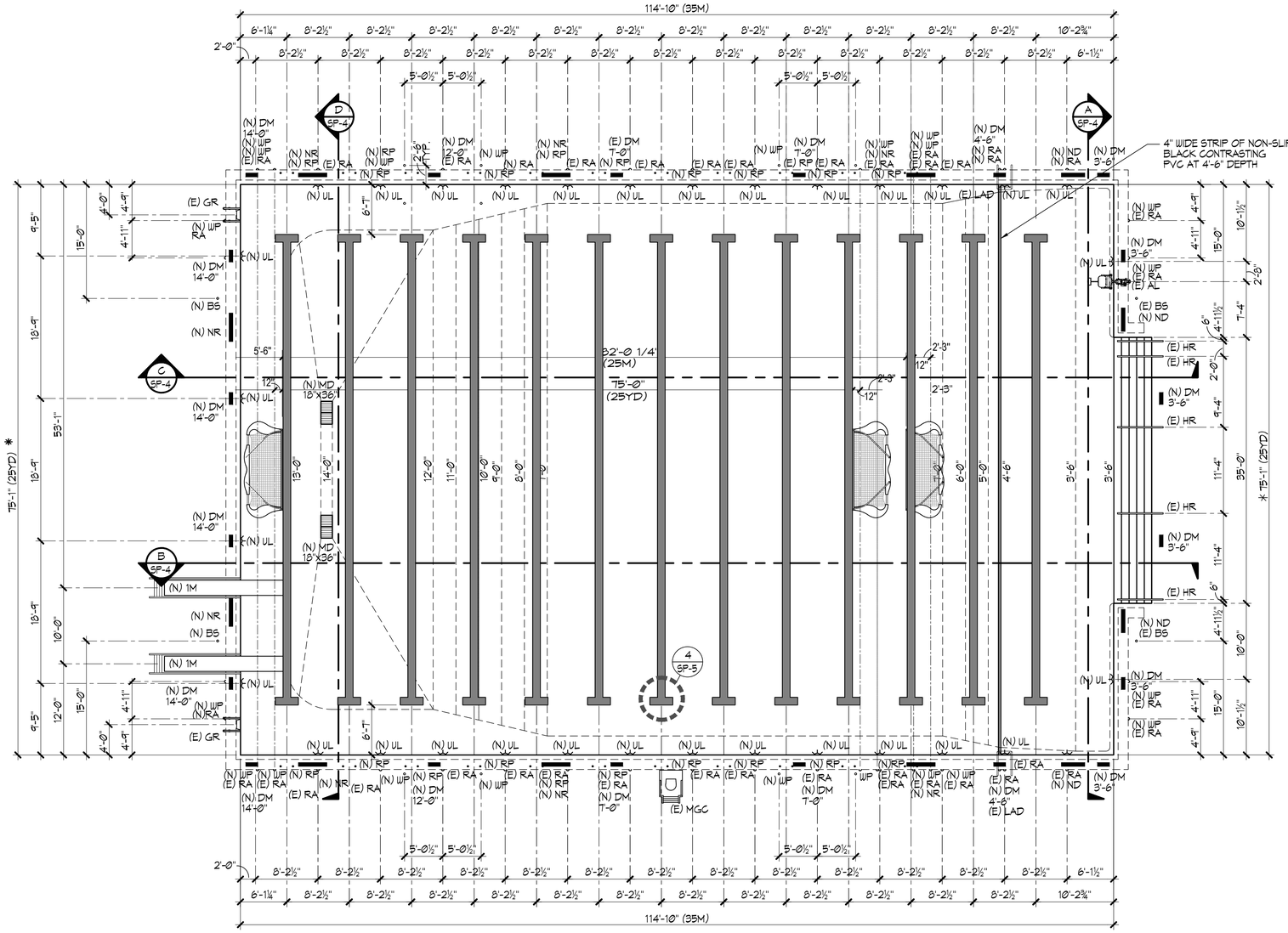
TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DECK PLAN

PROJECT NO.
02-12828.00

DRAWING
DP-2




## SWIMMING POOL DATA

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| 6 HR TURNOVER | = | 1,468 GPM |

## LEGEND

| | | | |
|---|---|---|---|
| MD | = | MAIN DRAIN | 4 SP-12 |
| RA | = | ROPE ANCHOR | 3 SP-6 |
| UL | = | UNDERWATER LIGHT | 1 SP-11 |
| DM | = | DEPTH MARKER | 5 SP-5 |
| NR | = | NO RUNNING | 6 SP-5 |
| ND | = | NO DIVING | 1 SP-6, 6 SP-5 |
| GR | = | GRABRAIL | 2 SP-10 |
| RP | = | RACING PLATFORM | 5 SP-6 |
| BS | = | BACKSTROKE STANCHION | 6 SP-6 |
| WP | = | WATERPOLO GOAL | 3 SP-7 |
| FWP | = | FLOATING WATERPOLO | |
| AL | = | ACCESIBLE LIFT | 1 SP-7 |
| MGC | = | MOVEABLE GUARD CHAIR | |
| LAD | = | LADDER | |
| **1M | = | ONE METER DIVE STAND | 1 SP-10 |

## CERTIFICATION REQUIREMENTS

* THE CONTRACTOR SHALL RETAIN AN INDEPENDENT LICENSED SURVEYOR TO PROVIDE PROOF OF COMPLIANCE FOR REQUIRED POOL LENGTHS AS FOLLOWS:

  SHORT COURSE-25YDS: (ALLOWS FOR TOUCH PADS AT ONE END) 75'-0 5/16" MIN.: 75'-1 3/16" MAX.

  TOLERANCE AGAINST LENGTH SHALL EXTEND IN A VERTICAL PLANE 0.3M (12") ABOVE AND 0.9M. (2'-11½") BELOW THE SURFACE OF THE WATER AT ALL POINTS OF BOTH END WALLS TYP. OF ALL COURSES.

** ADDITIONALLY ALL POOL DEPTHS SHALL BE CERTIFIED AND 1M. AND 3M DIVING DIMENSIONS SHALL BE CERTIFIED AND PROVIDED TO THE SCHOOL DISTRICT.

  THE INDEPENDENT LICENSED SURVEYOR SHALL FILL OUT, NOTARIZE AND FILE OFFICIAL CERTIFICATION FORM(S) WITH USA SWIMMING.

## DESIGN METHOD / DESIGN STANDARDS

- CBC 2022
- ACI 318-19
- f'c = 4,000 PSI
- Fy = 60,000 PSI

MECHANICAL EQUIPMENT
- ASCE 7-16, 13.3.1
- ASCE 7-16, 2.3.6

NORTH

1 **EXISTING SWIMMING POOL LAYOUT PLAN** 1/8"=1'-0"



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C-35502
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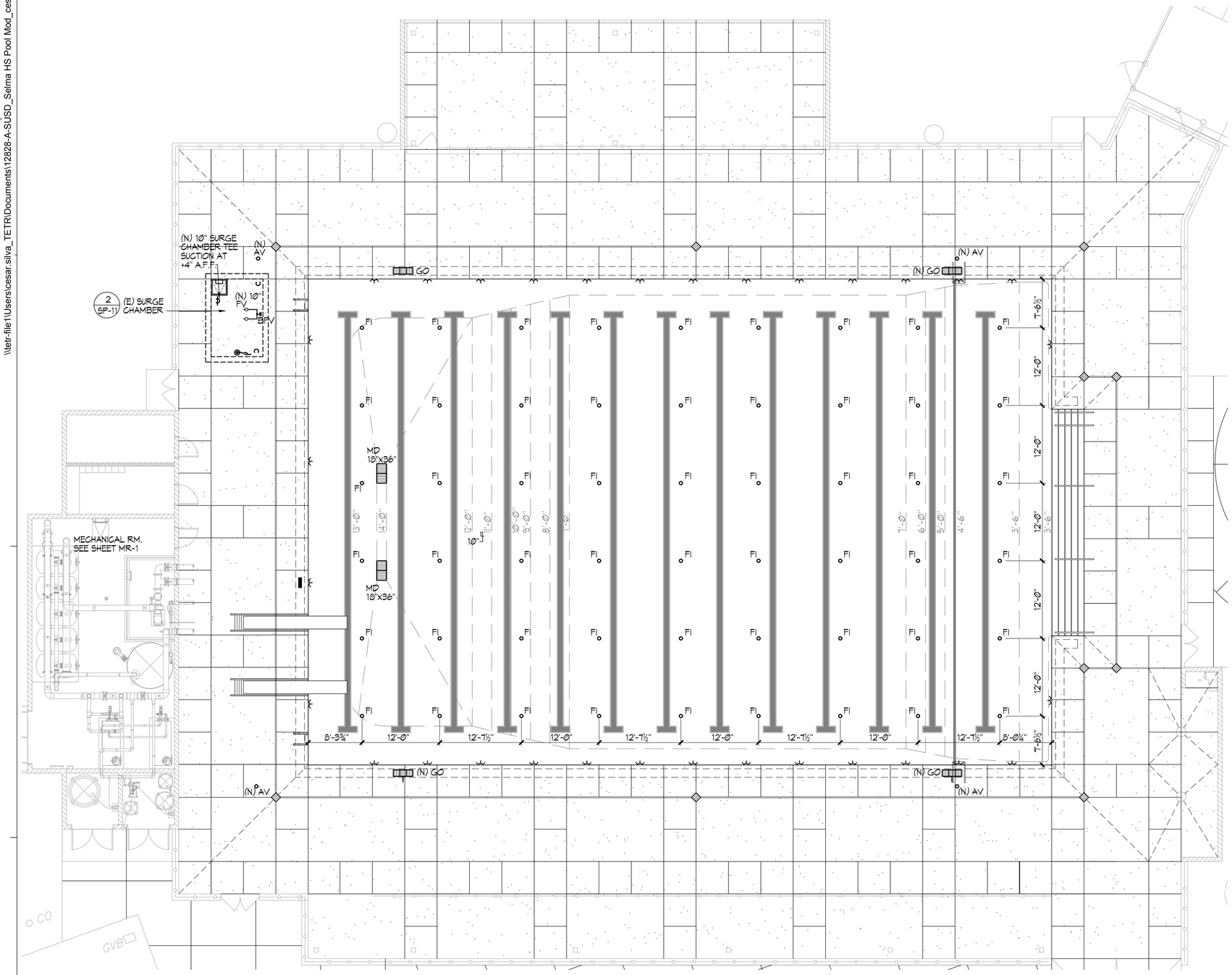
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
SWIMMING POOL LAYOUT PLAN

PROJECT NO.
02-12828.00

DRAWING
SP-1

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| 6 HR TURNOVER | = | 1,468 GPM |

## LEGEND

| | | |
|---|---|---|
| MD | = | MAIN DRAIN — 4 / SP-12 |
| FI | = | FLOOR INLET — 4 / SP-6 |
| GO | = | GUTTER OUTLET — 2 / SP-9 |
| AV | = | AIR VENT — 4 / SP-7 |
| SAC | = | SURGE CHAMBER ACCESS — 1 / SP-12 |
| FV | = | FLOAT VALVE |
| BFV | = | BUTTERFLY VALVE |
| A.F.F. | = | ABOVE FINISHED FLOOR |

## NOTE:

CONTRACTOR SHALL REPLACE GUTTER OUTLET COVERS, NEW AIR VENTS IN DECK, NEW MAIN DRAIN FRAME AND GRATES NEW FLOAT VALVE AND BUTTERFLY VALVE IN SURGE CHAMBER, NEW FLOOR INLET COVERS, AND NEW WATERPROOFING IN SURGE CHAMBER AND GUTTERS. SEE DP-1 FOR FULL SCOPE OF WORK.

NORTH

1 **EXISTING SWIMMING POOL PIPING PLAN** ⅛"=1'-0"

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ARCHITECTS ENGINEERS CONNECTED

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
SWIMMING POOL PIPING PLAN

PROJECT NO.
02-12828.00

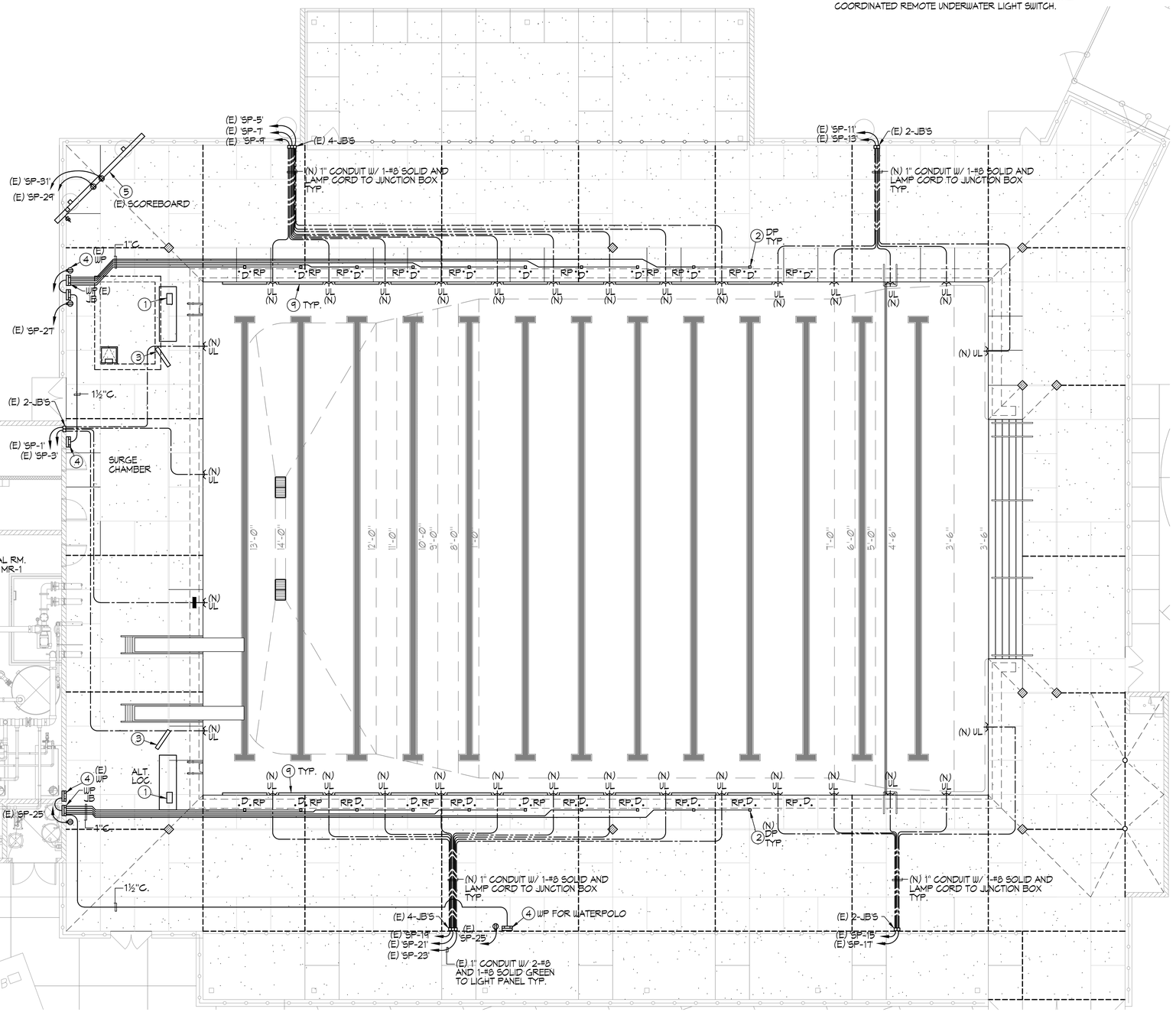
DRAWING
SP-2

PLOT DATE: 10/20/2023 9:37:51 AM

## LEGEND

| | | | |
|---|---|---|---|
| UL | = | UNDERWATER LIGHT | 1 / SP-11 |
| JB | = | JUNCTION BOX | 4 / SP-13 |
| RP | = | RACING PLATFORM | 5 / SP-6 |
| WP | = | WALL PLATE | 1 / SP-13 |
| WP JB | = | WALL PLATE JUNCTION BOX | |
| D | = | DECK PLATE | 2 / SP-7 |

NOTE:
REFER TO ELECTRICAL PLANS FOR LOCATION OF OWNER COORDINATED REMOTE UNDERWATER LIGHT SWITCH.




## TIMING SYSTEM NOTES/EQUIPMENT

NOTE: THE CONTRACTOR SHALL SUPPLY AND INSTALL DECK PLATE BOXES, WALL PLATE BOXES, WALL PLATE JUNCTION BOXES, CONDUIT, TIMING SYSTEM WIRING, EQUIPMENT AND SCOREBOARD. 'COLORADO TIME' SYSTEM OR EQUAL.

TIMING SYSTEM

| QTY | MODEL | DESCRIPTION |
|---|---|---|
| 1 | SPORTS TIMER | c UL us LISTED MULTI-SPORT TIMING/SCORING CONSOLE(EXISTING)<br>HARDWARE:<br>MULTI-SPORT AQUATICS TIMING AND SCORING CONSOLE WITH CARRYING CASE. SPORT INSERTS TO INCLUDE SWIMMING, WATER POLO AND PACE CLOCK. SYSTEM TO INCLUDE 15" FULL LCD DISPLAY, CD-RW DRIVE, UNLIMITED RACE/MEET STORAGE, EXTERNAL MOUSE AND KEYBOARD PORT AND BACKUP RECHARGEABLE SYSTEM.<br>SOFTWARE:<br>SWIMMING, WATER POLO AND PACE CLOCK SOFTWARE SHALL BE PROVIDED. SWIMMING SOFTWARE SHALL BE CAPABLE OF STORED LAP AND CUMULATIVE SPLITS. SPLIT INFORMATION SHALL BE POSTED TO SCOREBAORD IN LAP OR CUMULATIVE FORMAT. SOFTWARE SHALL BE CAPABLE OF TIMING UP TO 10 LANES OF COMPETITION-NEAR AND FAR END. SOFTWARE SHALL HAVE TIMING CAPABILITY OF ONE TOUCHPAD WITH UP TO THREE BUTTON BACKUP AND RELAY TAKE-OFF PLATFORM. SWIMMING SOFTWARE SHALL OPERATE IN A POINT AND CLICK WINDOWS ENVIRONMENT. |
| 1 | CABLE HARNESS | TEN-LANE IN-DECK TIMING HARNESS INCLUDES AN TEN-LANE CABLE HARNESS AND ONE PUSHBUTTON PER LANE. |
| 9 10 | TP-78G | c UL us LISTED 78"x22" TOUCHPAD. TOUCHPAD SHALL BE CONSTRUCTED OF STAINLESS STEEL TO PREVENT THE POSSIBILITY OF WARPING IN EXTREME HEAT. |

TOUCHPAD CADDY

| QTY | MODEL | DESCRIPTION |
|---|---|---|
| | | TOUCHPADS. SHALL ARRIVE ON SITE FULLY ASSEMBLED. |

START SYSTEM

| QTY | MODEL | DESCRIPTION |
|---|---|---|
| 3 1 | HORN START | ELECTRONIC START SYSTEM WITH WIRELESS MICROPHONE, WIRED MICROPHONE, VOLUME CONTROLS FOR AUXILIARY SPEAKERS & INDIVIDUAL LANE SPEAKERS, BUILT-IN EXTERNAL 360-DEGREE STROBE LIGHT WITH CAPABILITY TO ADD REMOTE EXTERNAL STROBE, AC POWER CAPABILITY FOR MEET OPERATION IN THE EVENT THE BATTERY SYSTEM FAILS, LED BATTERY LEVEL INDICATION LIGHT, ABILITY TO DISABLE RECALL FUNCTION. |
| 10 | LANE SPEAKER | INDIVIDUAL 6 WATT LANE SPEAKER FOR START\ SYSTEM |
| 1 | AUX. SPEAKER | 40 WATT SPEAKER WITH 100' OF CABLE |
| 1 | BRACKET | BACKSTROKE FLAGPOLE MOUNTING BRACKET FOR START SYSTEM. |
| 1 | CABLE | THIRTY FOOT JUMPER CABLE |

IN-DECK

| QTY | MODEL | DESCRIPTION |
|---|---|---|
| 2 / SP-7 20 | LANE DECK PLATE | c UL us LISTED INDIVIDUAL LANE DECK PLATE. PLATE SHALL HAVE CONNECTIONS FOR (1) TOUCHPAD, (3) BACKUP BUTTON TIMING, RELAY TAKE-OFF PLATFORM & INDIVIDUAL LANE SPEAKER. PLATES SHALL BE MOUNTED PERMANENTLY TO THE DECK ON 4"x4"x6" PVC JUNCTION BOXES (CARLON E989NNR). |
| 1 / SP-13 3 | WALL PLATE | c UL us LISTED WALL PLATE, TIMING(EXISTING)<br>WALL PLATE: 12"x12"x6" WALL BOX IN CONC. PEDESTAL. THREE (3) TOTAL. WALL PLATE JUNCTION BOX, 12"x12"x6" TWO (2) TOTAL. |
| 3 | WP JB | |

SCOREBOARD

| QTY | MODEL | DESCRIPTION |
|---|---|---|
| 5 1 | SCOREBOARD | c UL us LISTED TEN-LINE OUTDOOR LED SCOREBOARD:(EXISTING) |

1 **SWIMMING POOL UNDERWATER LIGHT/ TIMING SYSTEM PLAN** 1/8"=1'-0"

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GREGORY S. TETER
35302
REN. 07/31/25
STATE OF CALIFORNIA

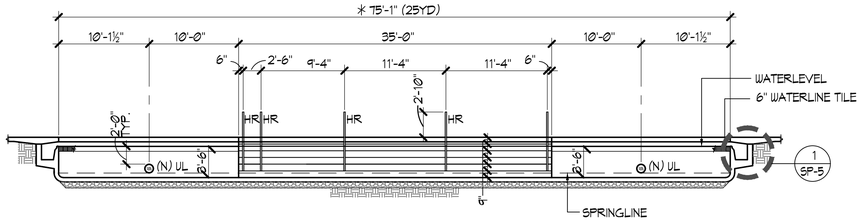
TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

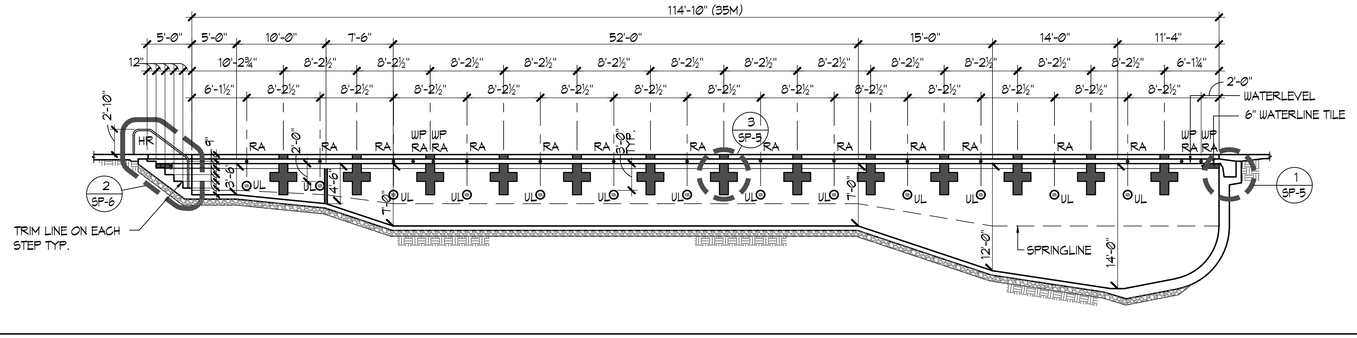
DRAWING TITLE
SWIMMING POOL UNDERWATER LIGHT/TIMING PLAN

PROJECT NO.
02-12828.00

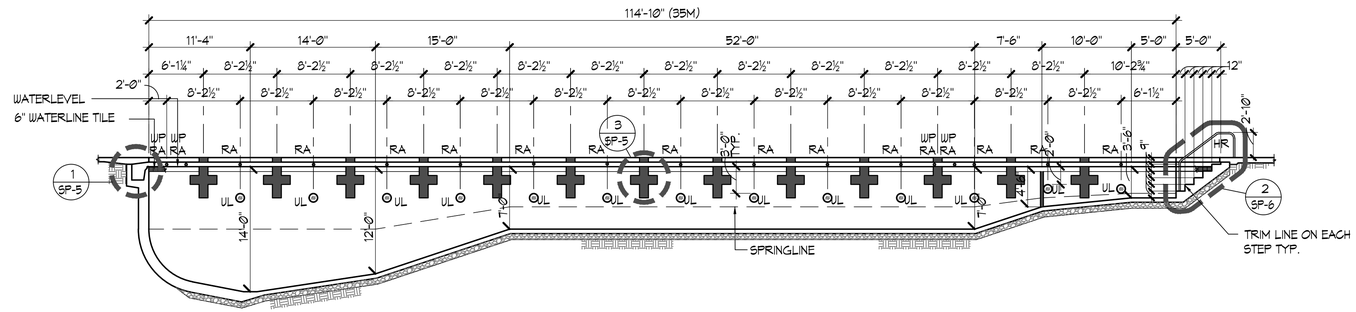
DRAWING
SP-3



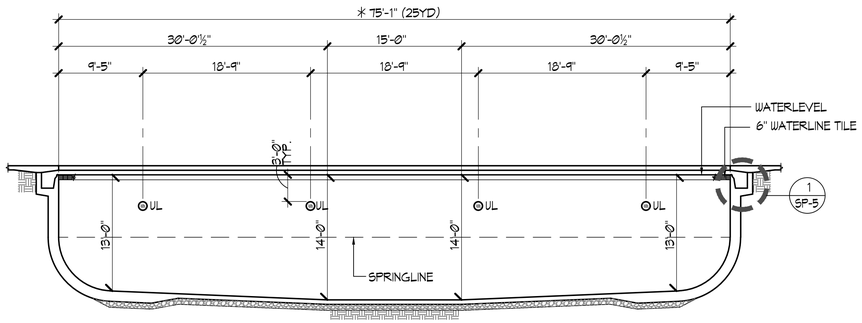

## A EXISTING SWIMMING POOL SECTION ⅛"=1'-0"




## B EXISTING SWIMMING POOL SECTION ⅛"=1'-0"




## C EXISTING SWIMMING POOL SECTION ⅛"=1'-0"




## D EXISTING SWIMMING POOL SECTION ⅛"=1'-0"

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LICENSED ARCHITECT
GREGORY S. TETER
C35802
REN. 07/31/25
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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
SWIMMING POOL SECTIONS

PROJECT NO.
02-12828.00

DRAWING
SP-4

| MARK | DATE | DESCRIPTION |
|---|---|---|
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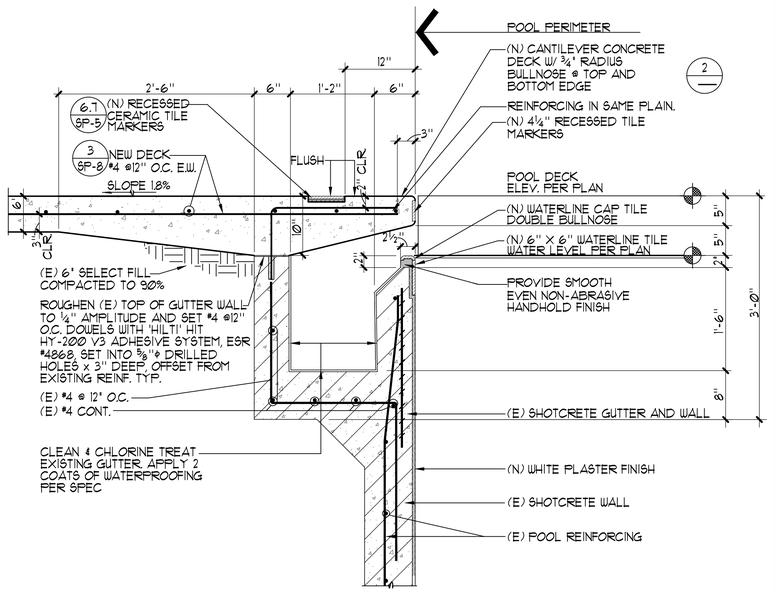
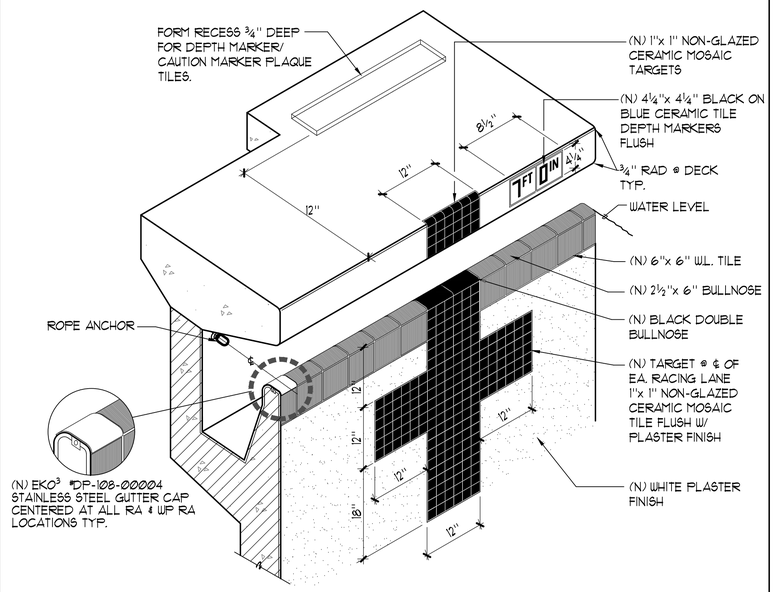
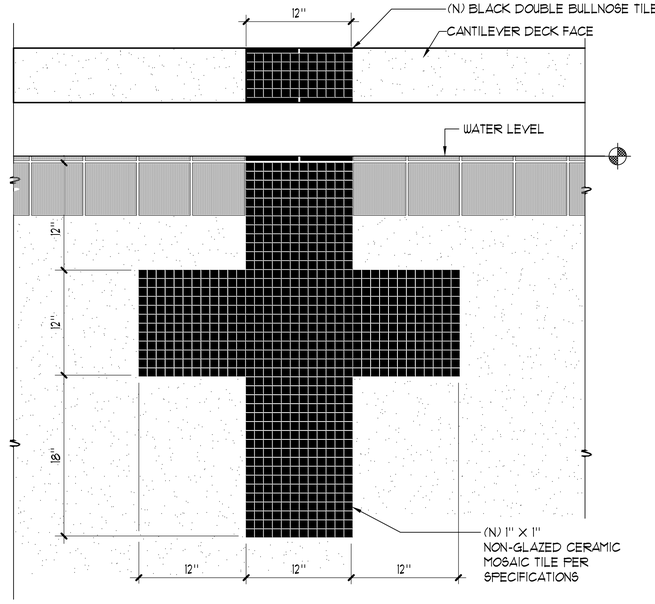
## 1 TYPICAL GUTTER DETAIL 1"=1'-Ø"



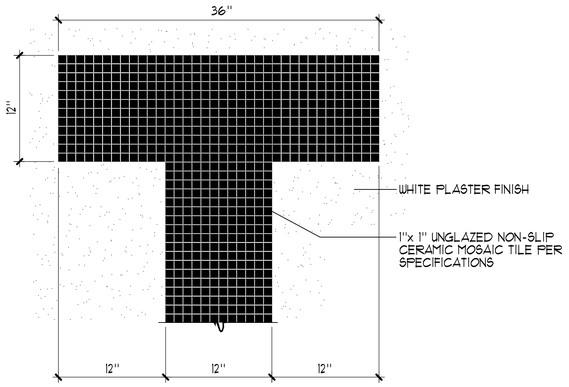

## 2 DEEP GUTTER PERSPECTIVE NO SCALE




## 3 END WALL TARGET 1½" = 1'-Ø"

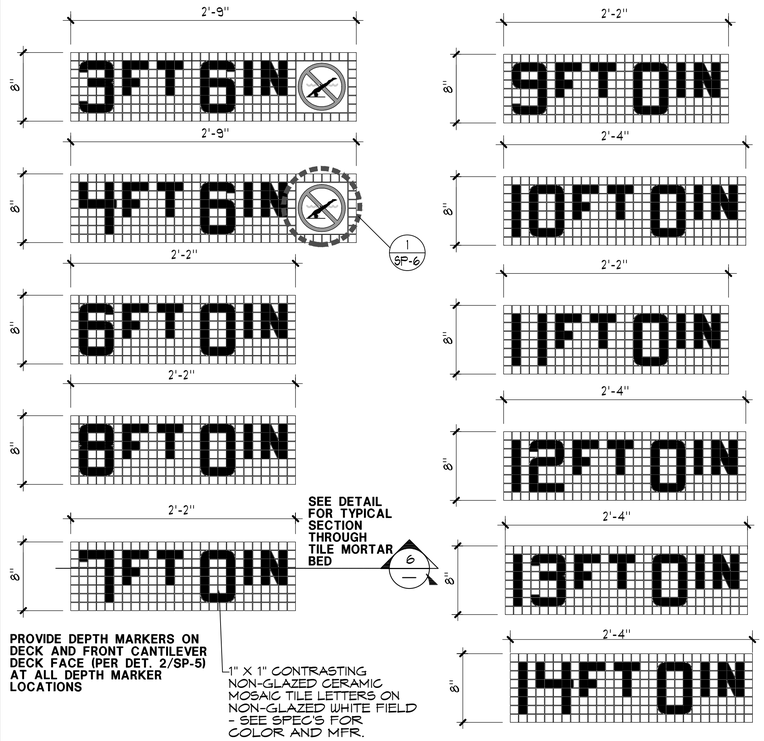



## 4 RACING LANE LINE 1½"=1'-Ø"

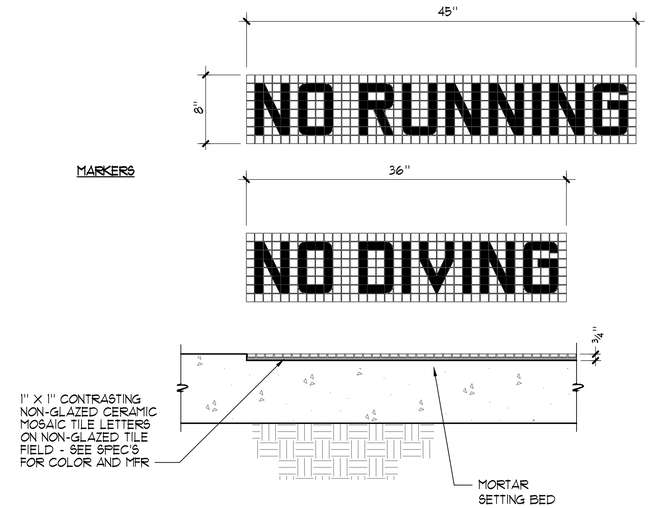



PLAN VIEW

## 5 DEPTH MARKERS 1½" = 1'-Ø"




## 6 "NO RUNNING" / "NO DIVING" MARKERS




SECTION THROUGH TILE

1½" = 1'-Ø"

TETER, INC.
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VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DETAILS

PROJECT NO.
02-12828.00

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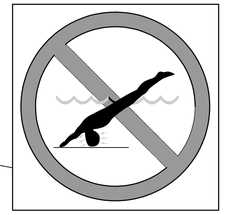
SP-5

REFER TO DEPTH MARKERS DETAIL FOR DIMENSIONS & LOCATIONS. (5/SP-5)

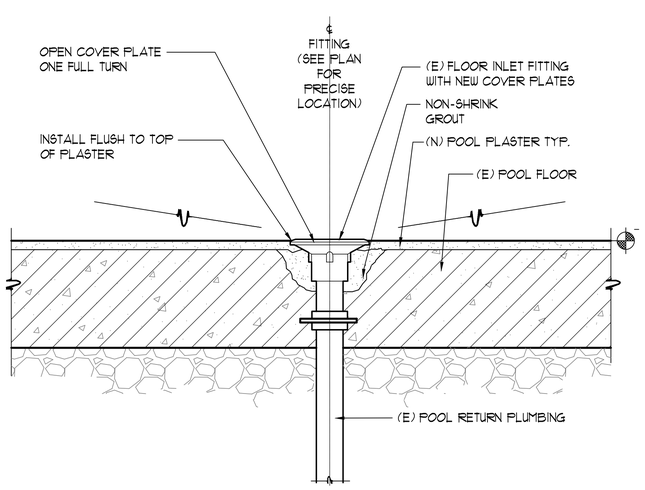


NOTE: PLACE IN DECK AT ALL DEPTH MARKER LOCATION OF 6'-Ø" OR LESS.

SILK SCREEN

1. INLAYS DOUBLE GLAZED WHITE SLIP RESISTANT TILE TYP. OF (1) PIECE OVER ¼" MORTAR BED WITH ⅛" GROUT JOINTS. SEE PLAN FOR LOCATION.
2. 1" WIDE RED CIRCLE WITH 1" WIDE RED DIAGONAL LINE.
3. ⅛" BLUE WATER.
4. ⅛" RED TICKS ABOUT THE HEAD.
5. TAN COLOR BODY WITH BLACK OUTLINE, HAIR AND TRUNKS.
6. ⅛" BLACK POOL FLOOR.

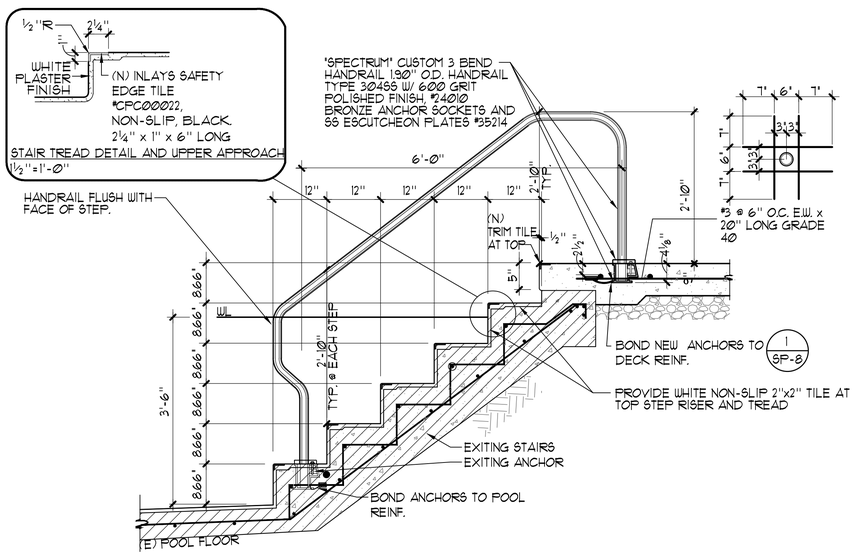
## 1 INTERNATIONAL "NO DIVING" MARKER 3"=1'-Ø"



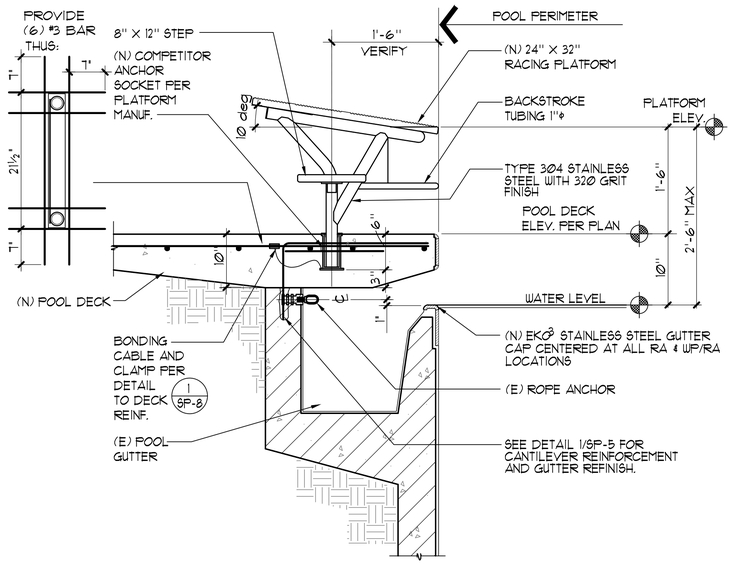

REPLACE COVER PLATES AND ANY DAMAGED FLOOR INLET AS REQUIRED DUE TO DEMOLITION

## 4 FLOOR INLET 3"=1'-Ø"

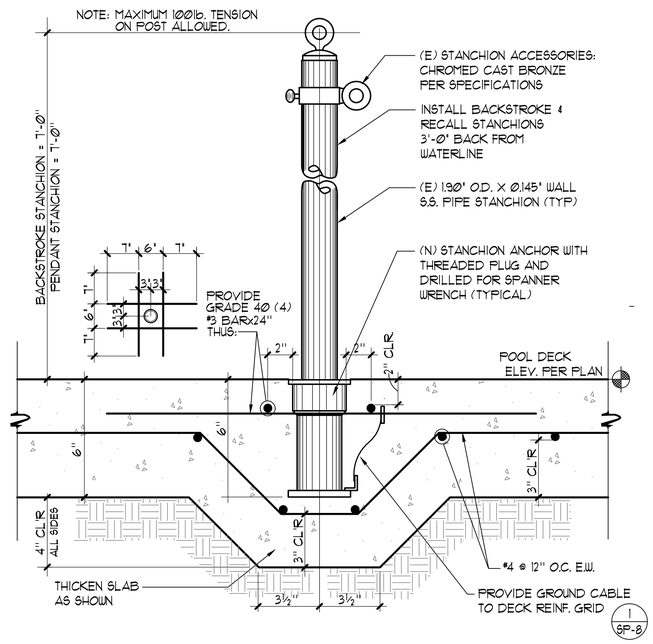
## 2 HANDRAIL DETAIL ¾"=1'-Ø"



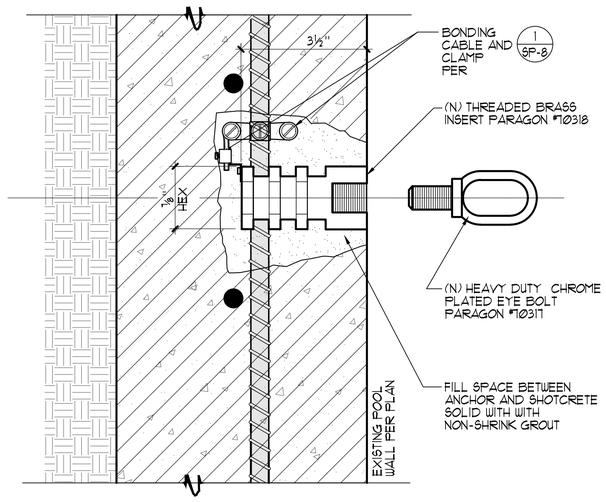

## 5 RACING PLATFORM 1"=1'-Ø"




## 6 STANCHION POST/ANCHOR 3"=1'-Ø"




## 3 ROPE ANCHOR ½" = 1"




NOTE:
REPLACE ANY LOST OR DAMAGED DUE TO DEMOLITION/CONSTRUCTION



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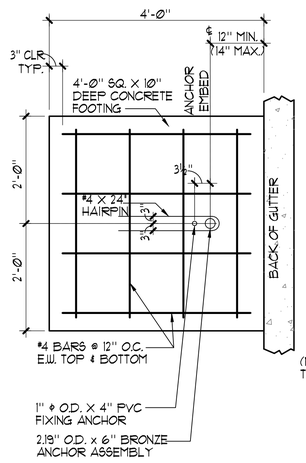
SP-6

PLOT DATE: 10/20/2023 9:37:51 AM

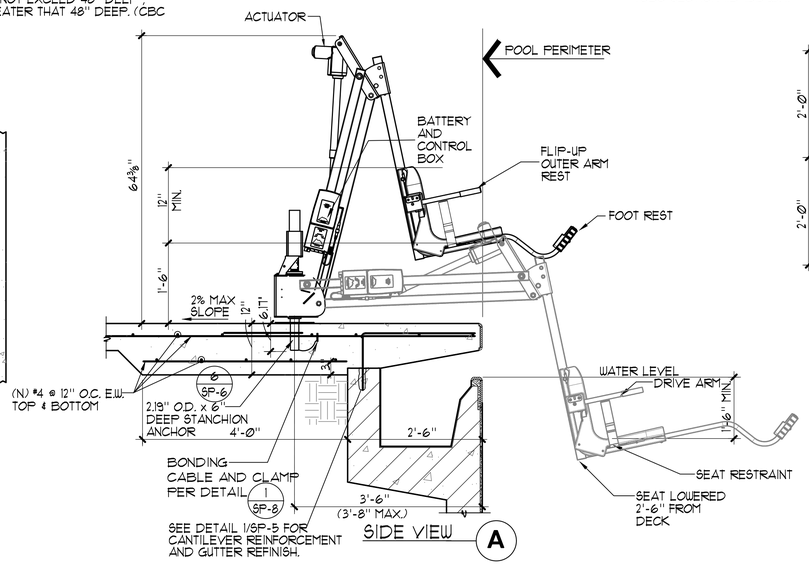
\\tetr-file1\Users\cesar.silva_TETR\Documents\12828-A-SUSD_Selma HS Pool Mod_cesar.sil.rvt

## NOTES:

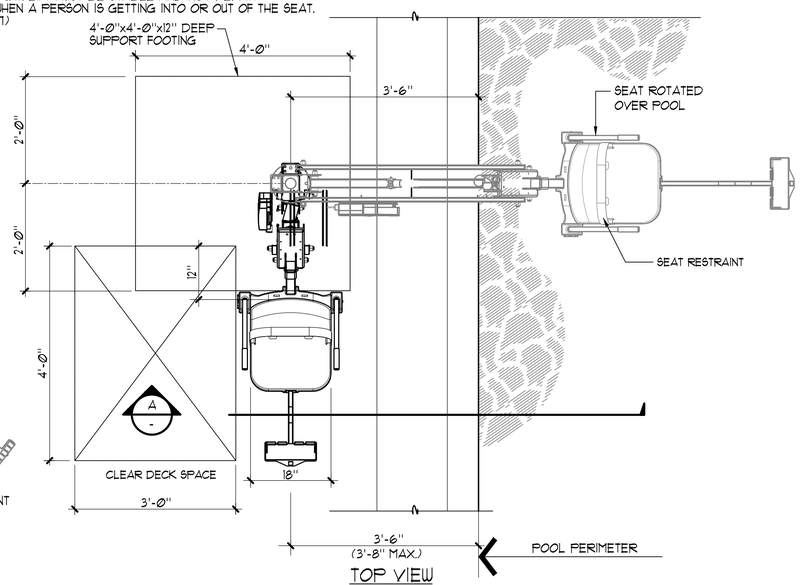
1. 'AQUA CREEK' MIGHTY 400 F-MTY-400 (350 lbs. MIN. LIVE LOAD AND 400 lbs. MAX. LIFTING CAPACITY)
2. GUSSET COVER PLATE TO BE ATTACHED REQUIRING A TOOL FOR REMOVAL.
3. CONTRACTOR SHALL PROVIDE COVER FOR LIFT 'AQUA CREEK'; EXTRA BATTERY PACK 'AQUA CREEK' #F-0044B; AND TRANSPORTER CART 'AQUA CREEK' #F-MTTC.
4. UTILIZE OUTLET IN OFFICE FOR DISABLED LIFT BATTERY CHARGE STATION.
5. POOL LIFT SHALL BE LOCATED WHERE THE WATER LEVEL IS AT LEAST 36" AND DOES NOT EXCEED 48" DEEP UNLESS ENTIRE POOL IS GREATER THAT 48" DEEP. (CBC SECTION 11B-1009.2.1)
6. ON THE RAISED POSITION, THE CENTERLINE OF THE SEAT SHALL BE LOCATED OVER THE DECK AND 16" MINIMUM FROM THE EDGE OF THE POOL. THE DECK SURFACE BETWEEN THE CENTERLINE OF THE SEAT AND THE POOL EDGE SHALL HAVE A 2% MAX. SLOPE. (CBC SECTION 11B-1009.2.2)
7. CLEAR DECK SPACE SHALL BE PROVIDED ON SIDE OF SEAT OPPOSITE THE WATER PARALLEL TO THE WATER 36" WIDE x 48" MINIMUM FROM A LINE LOCATED 12" BEHIND THE REAR EDGE OF THE SEAT. THE CLEAR SPACE SHALL HAVE A 2% MAX. SLOPE. (CBC SECTION 11B-1009.2.3)
8. THE HEIGHT OF THE LIFT SEAT SHALL BE DESIGNED TO ALLOW A STOP AT 17" MIN. TO 19" MAX. MEASURED FROM THE DECK TO THE TOP OF THE SEAT SURFACE WHEN IN THE RAISED POSITION. (CBC SECTION 11B-1009.2.4)
9. THE SEAT SHALL BE RIGID AND 17" MIN. TO 19" MAX. WIDE. THE LIFT SEAT SHALL HAVE A BACK SUPPORT 12" MIN. TALL. (CBC SECTION 11B-1009.2.4 & 11B-2009.2.5)
10. FOOTRESTS SHALL BE PROVIDED, EXCEPT FOR SPA LIFTS, AND SHALL MOVE WITH THE SEAT. LIFT SHALL HAVE TWO ARMRESTS. THE ARMREST POSITIONED OPPOSITE THE WATER SHALL BE REMOVABLE OR SHALL FOLD CLEAR OF THE SEAT WHEN THE SEAT IS IN THE RAISED POSITION. (CBC SECTION 11B-1009.2.6)
11. THE LIFT SHALL BE CAPABLE OF UNASSISTED OPERATION FROM BOTH THE DECK AND WATER LEVELS. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL BE UNOBSTRUCTED WHEN THE LIFT IS IN USE (CBC SECTION 11B-309.4). LIFT MUST BE STABLE AND NOT PERMIT UNINTENDED MOVEMENT WHEN A PERSON IS GETTING INTO OR OUT OF THE SEAT. (CBC SECTION 11B-1009.2.7)
12. THE LIFT SHALL BE DESIGNED SO THAT THE SEAT WILL SUBMERGE TO A WATER DEPTH OF 18" MIN. BELOW THE STATIONARY WATER LEVEL. (CBC SECTION 11B-1009.2.8)
13. LIFT SEAT MUST HAVE AN OCCUPANT RESTRAINT FOR USE BY THE OCCUPANT OF THE SEAT AND THE RESTRAINT MUST MEET THE STANDARDS FOR OPERABLE CONTROLS IN COMPLIANCE WITH CBC SECTION 11B-1009.2.4 AND SECTION 11B-309.




TOP VIEW FOOTING DETAIL



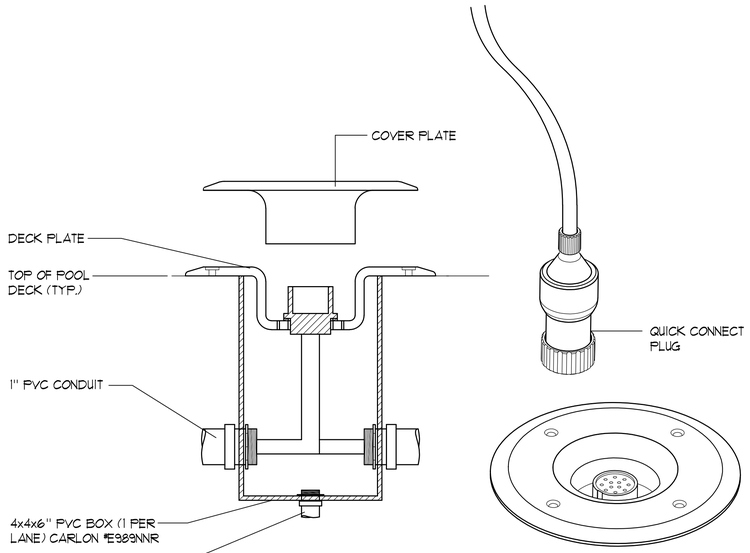

SIDE VIEW A




TOP VIEW

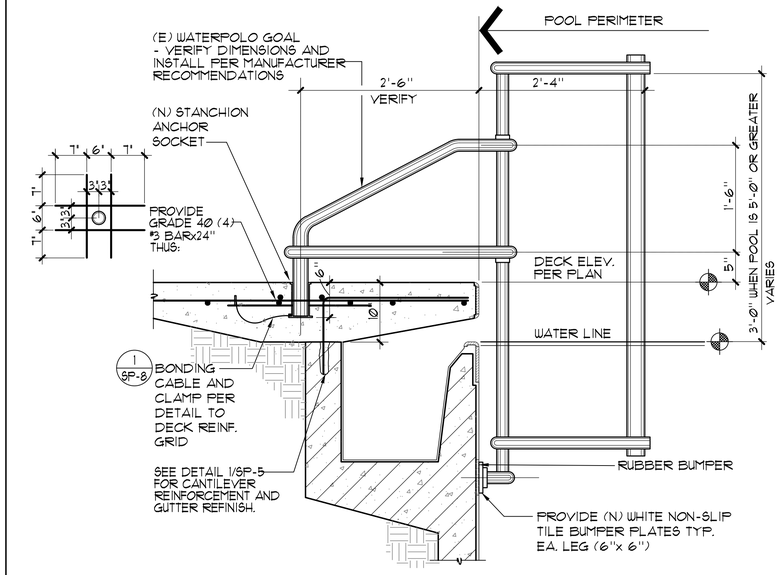
## 1 ACCESIBLE LIFT

¾"=1'-0"



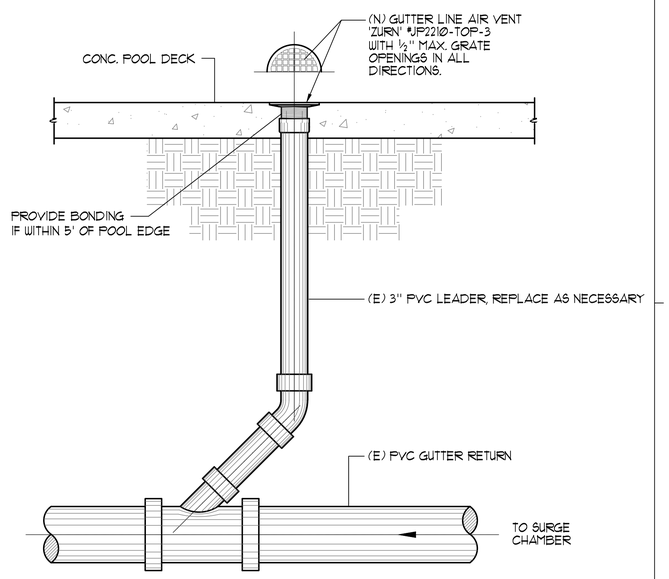

## 2 DECK PLATE DETAIL

NO SCALE




## 3 WATERPOLO GOAL

1"=1'-0"




## 4 AIR VENT

1"=1'-0"

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C35802
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STATE OF CALIFORNIA

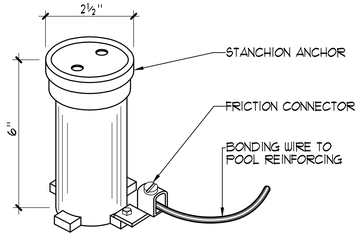
TETER, INC.
ARCHITECTS ENGINEERS CONSULTANTS
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

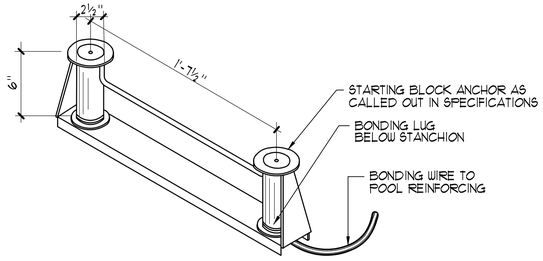
DRAWING TITLE
DETAILS

PROJECT NO.
02-12828.00

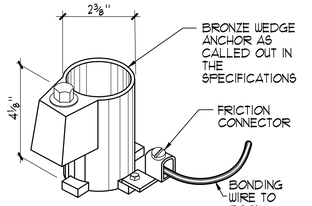
DRAWING
SP-7




## STANCHION ANCHOR
NO SCALE




## STARTING BLOCK ANCHOR
NO SCALE




## WEDGE ANCHOR
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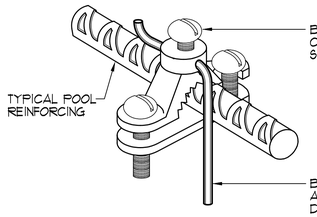
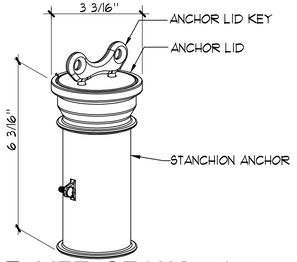



## BONDING CLAMP
NO SCALE




## ACCESSIBLE LIFT STANCHION ANCHOR
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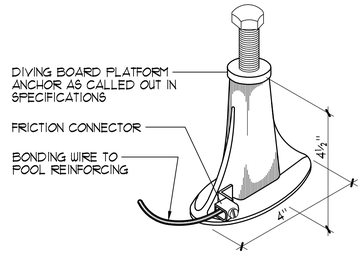


## DIVING BOARD PLATFORM ANCHOR
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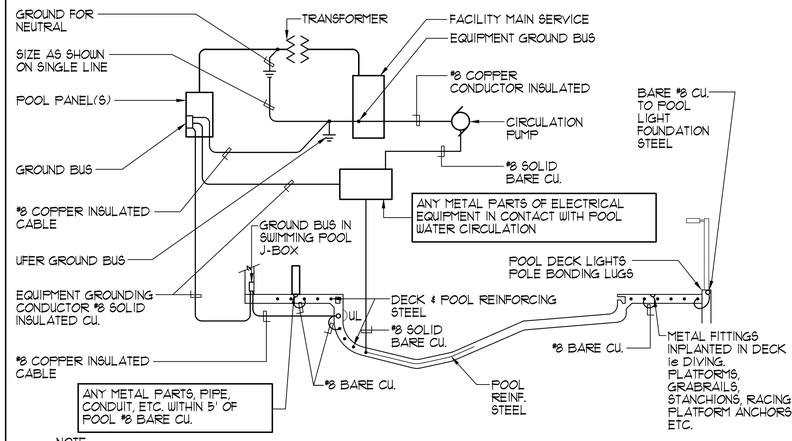
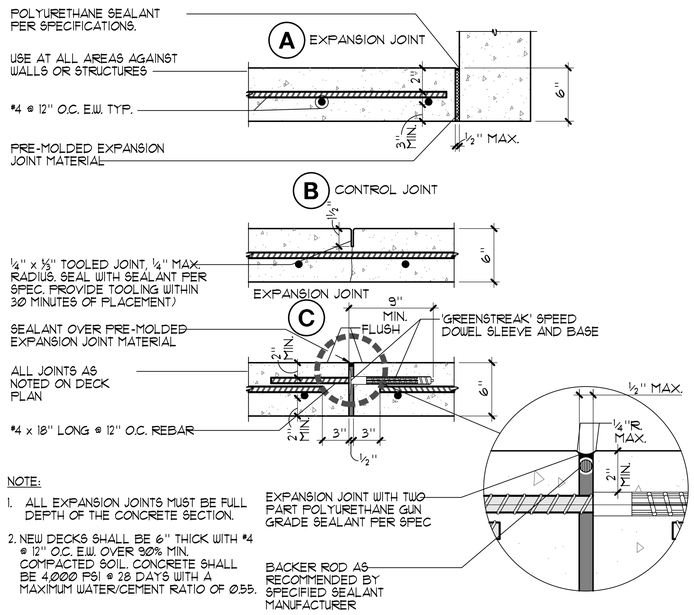



NOTE:

1. STRUCTURAL STEEL IN POOL DECK AND POOL SHALL BE BONDED TOGETHER (TIGHTLY MADE STEEL TIE-WIRES ARE APPROVED FOR BONDING STRUCTURAL ELEMENTS).
2. BONDING CONNECTOR TO COMMON GRID. (POOL STEEL MAY BE USED FOR THAT PURPOSE) SHALL BE MADE BY PRESSURE CONNECTORS OR CLAMPS OF BRASS, COPPER, OR COPPER ALLOY.
3. ALL GROUND BUSES SHALL BE SIZED FOR CONNECTION TO AWG SIZE 8 WIRE PROVIDING ONE SPARE TERMINAL.
4. GROUND AND BOND IN ACCORDANCE WITH ARTICLE 680 OF THE CALIFORNIA ELECTRICAL CODE. Ie. LADDERS, FENCING, POLE LIGHTS, DIVING & STARTING STANCHIONS, DISABLED LIFT ETC.
5. PROVIDE BONDING OF AUTOMATIC POOL COVER MOTORS REGARDLESS OF PROXIMITY TO POOL.

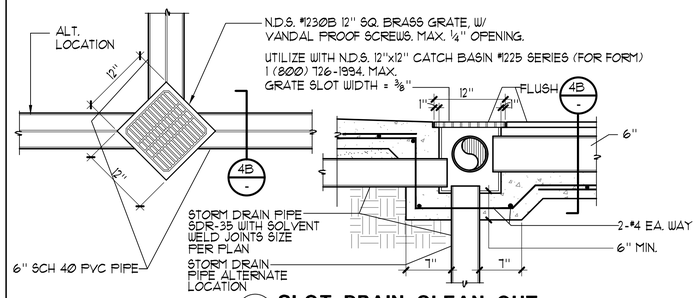
## 1 BONDING DETAILS
NO SCALE



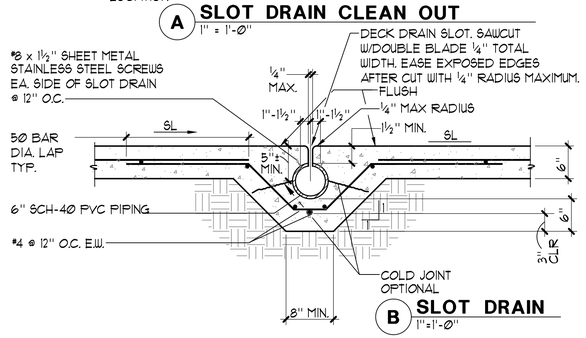

NOTE:

1. ALL EXPANSION JOINTS MUST BE FULL DEPTH OF THE CONCRETE SECTION.
2. NEW DECKS SHALL BE 6" THICK WITH #4 @ 12" O.C. E.W. OVER 90% MIN. COMPACTED SOIL. CONCRETE SHALL BE 4000 PSI @ 28 DAYS WITH A MAXIMUM WATER/CEMENT RATIO OF 0.55.

## 3 CONCRETE DECK JOINT DETAILS
1½"=1'-0"



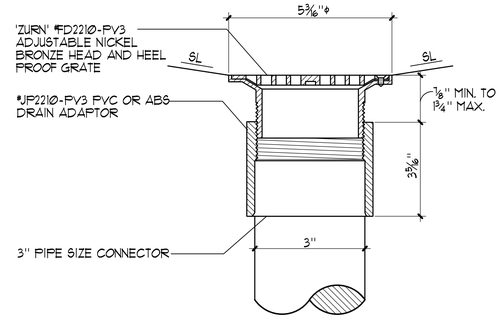

## A SLOT DRAIN CLEAN OUT
1" = 1'-Ø"




## B SLOT DRAIN
1"=1'-Ø"

## 4 SLOT DRAIN
1"=1'-0"

## 2 TYPICAL POOL BONDING AND GROUND DETAIL
NO SCALE




## 5 DECK/AREA DRAIN
½"=1"





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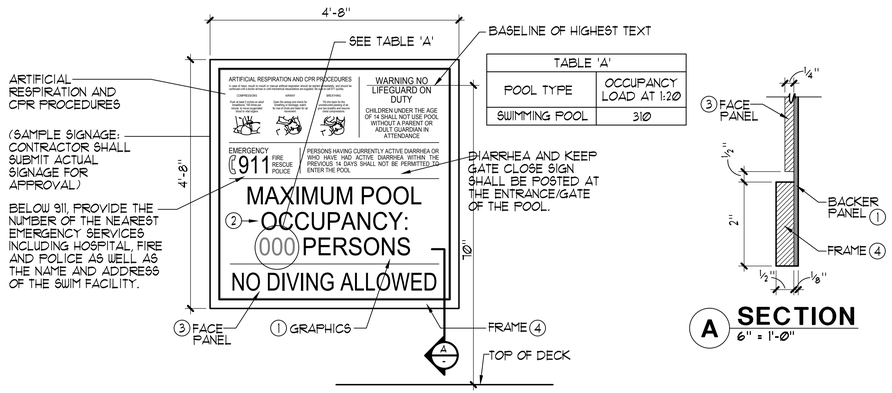



| TABLE 'A' | |
|---|---|
| POOL TYPE | OCCUPANCY LOAD AT 1:20 |
| SWIMMING POOL | 310 |




A **SECTION**
6" = 1'-0"

NOTES:

1. COORDINATE SIGNAGE PLACEMENT AND COLOR SCHEME WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF PROPOSED SIGNAGE FOR REVIEW.
3. CHARACTER FONT STYLE SHALL BE CONVENTIONAL AND NOT UNUSUAL AND SHALL BE EASY TO READ.

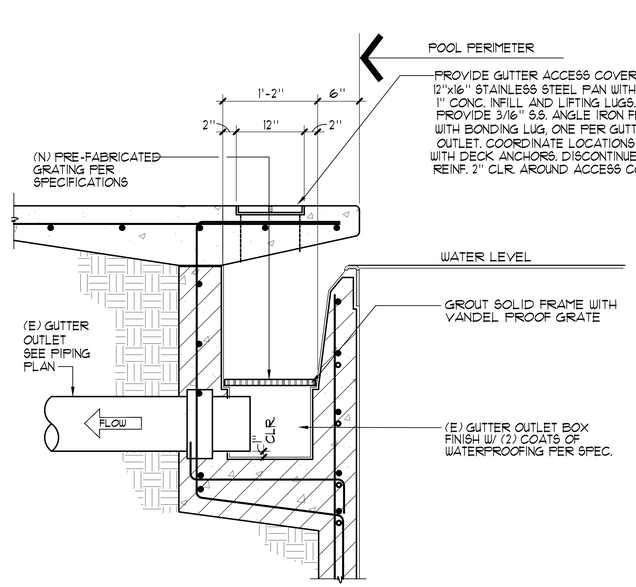
## SIGNAGE NOTES AND SPECIFICATIONS:

1. 1/8" THICK PAINTED ALUMINUM BACKER PANEL.
2. SILKSCREENED COPY/GRAPHICS WITH NON GLARE FINISH.
3. 1/4" THICK PAINTED ALUMINUM FACE PANEL WITH SILKSCREENED COPY/GRAPHICS. ATTACH TO 1/8" THICK PAINTED ALUMINUM BACKER PANEL USING 'VHB' TAPE AND SILICONE ADHESIVE.
4. 2" WIDE x 1/2" THICK PAINTED ALUMINUM SIGN FRAME ADHERED TO 1/8" THICK PAINTED ALUMINUM BACKER USING 'LORD5' ADHESIVE AS REQUIRED. VERTICAL SECTIONS OF FRAME TO BE RECTANGULAR TUBE. FILL AND SAND SEAM ALONG EDGE AND FACE PRIOR TO PAINTING.

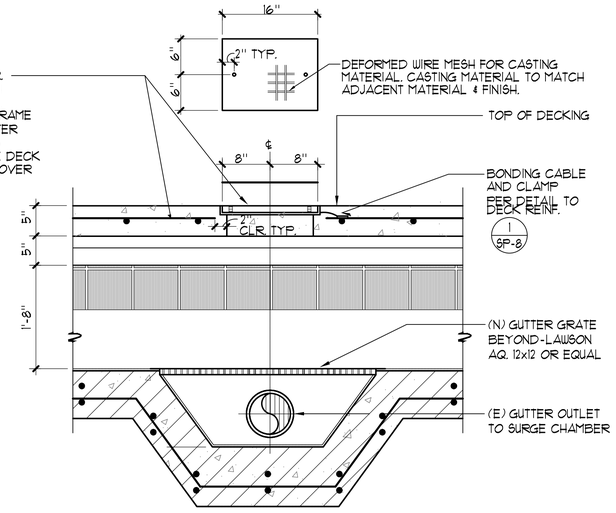
## REQUIRED SIGNAGE:

1. ALL SIGNS SHALL HAVE CLEARLY LEGIBLE LETTERS OR NUMBERS NOT LESS THAN 4 INCHES HIGH, UNLESS OTHERWISE NOTED; AFFIXED TO A WALL, POLE, GATE, OR SIMILAR PERMANENT STRUCTURE IN A LOCATION VISIBLE TO ALL POOL USERS.
   - A. POOL USER CAPACITY SIGN: A SIGN SHALL INDICATE THE MAXIMUM NUMBER OF POOL USERS PERMITTED FOR EACH POOL. SEE TABLE 'A'.
   - B. NO DIVING SIGN: SIGNS SHALL BE POSTED IN CONSPICUOUS PLACES AND SHALL STATE 'NO DIVING' AT POOLS WITH A MAXIMUM WATER DEPTH OF 6 FEET OR LESS.
   - C. NO LIFEGUARD SIGN: WHERE NO LIFEGUARD SERVICE IS PROVIDED, A WARNING SIGN SHALL BE POSTED STATING, "NO LIFEGUARD ON DUTY." THE SIGN ALSO SHALL STATE IN LETTERS AT LEAST 1 INCH HIGH, "CHILDREN SHOULD NOT USE POOL WITHOUT ADULT SUPERVISION."
   - D. ARTIFICIAL RESPIRATION AND CPR SIGN: AN ILLUSTRATED DIAGRAM WITH TEXT AT LEAST 1/4 INCH HIGH OF ARTIFICIAL RESPIRATION AND CPR PROCEDURES SHALL BE POSTED.
   - E. EMERGENCY SIGN: THE EMERGENCY TELEPHONE NUMBER 911, WITH NUMBERS NOT LESS THAN 4", THE NUMBER OF THE NEAREST EMERGENCY SERVICES AND THE NAME AND STREET ADDRESS OF THE POOL FACILITY. WITH NUMBERS AND TEXT NOT LESS THAN 1" SHALL BE POSTED.
   - F. NO USE AFTER DARK: WHERE POOLS WERE CONSTRUCTED FOR WHICH LIGHTING WAS NOT REQUIRED A SIGN SHALL BE POSTED AT EACH POOL ENTRANCE ON THE OUTSIDE OF THE GATE(S) STATING, "NO USE OF POOL ALLOWED AFTER DARK."
   - G. KEEP CLOSED: A SIGN SHALL BE POSTED ON THE EXTERIOR SIDE OF GATES AND DOORS LEADING INTO THE POOL ENCLOSURE AREA STATING, "KEEP GATE CLOSED" OR "KEEP DOOR CLOSED".
   - H. DIARRHEA: A SIGN IN LETTERS AT LEAST 1 INCH HIGH AND IN A LANGUAGE OR DIAGRAM THAT IS CLEARLY STATED SHALL BE POSTED AT THE ENTRANCE AREA OF A PUBLIC POOL WHICH STATES THAT PERSONS HAVING CURRENTLY ACTIVE DIARRHEA OR WHO HAVE HAD ACTIVE DIARRHEA WITHIN THE PREVIOUS 14 DAYS SHALL NOT BE ALLOWED TO ENTER THE POOL WATER.
2. DIRECTION OF FLOW SIGNAGE AND LABELS.
   - A. THE DIRECTION OF FLOW FOR THE RECIRCULATION EQUIPMENT SHALL BE LABELED CLEARLY WITH DIRECTIONAL SYMBOLS SUCH AS ARROWS ON ALL PIPING IN THE EQUIPMENT AREA.
   - B. WHERE THE RECIRCULATION EQUIPMENT FOR MORE THAN ONE POOL IS LOCATED ON SITE, THE EQUIPMENT SHALL BE MARKED AS TO WHICH POOL THE SYSTEM SERVES.
   - C. VALVES AND PLUMBING LINES SHALL BE LABELED CLEARLY WITH THE SOURCE OR DESTINATION DESCRIPTIONS.

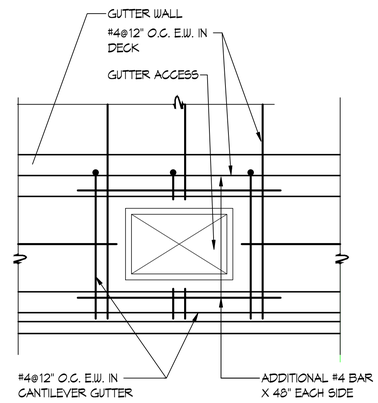
1 **POOL SIGNAGE DETAIL** 3/4"=1'-0"




**GUTTER OUTLET**




**ELEVATION**




**TOP VIEW**

2 **GUTTER OUTLET ACCESS COVER** 1"=1'-0"

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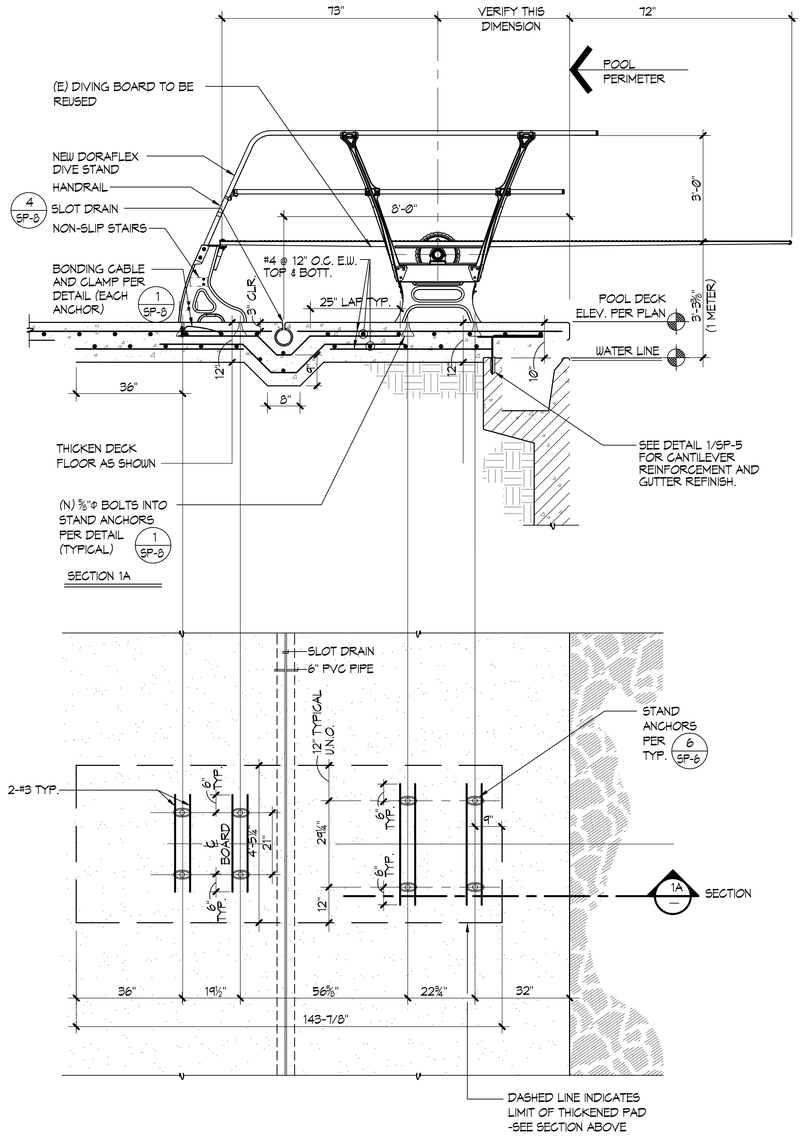
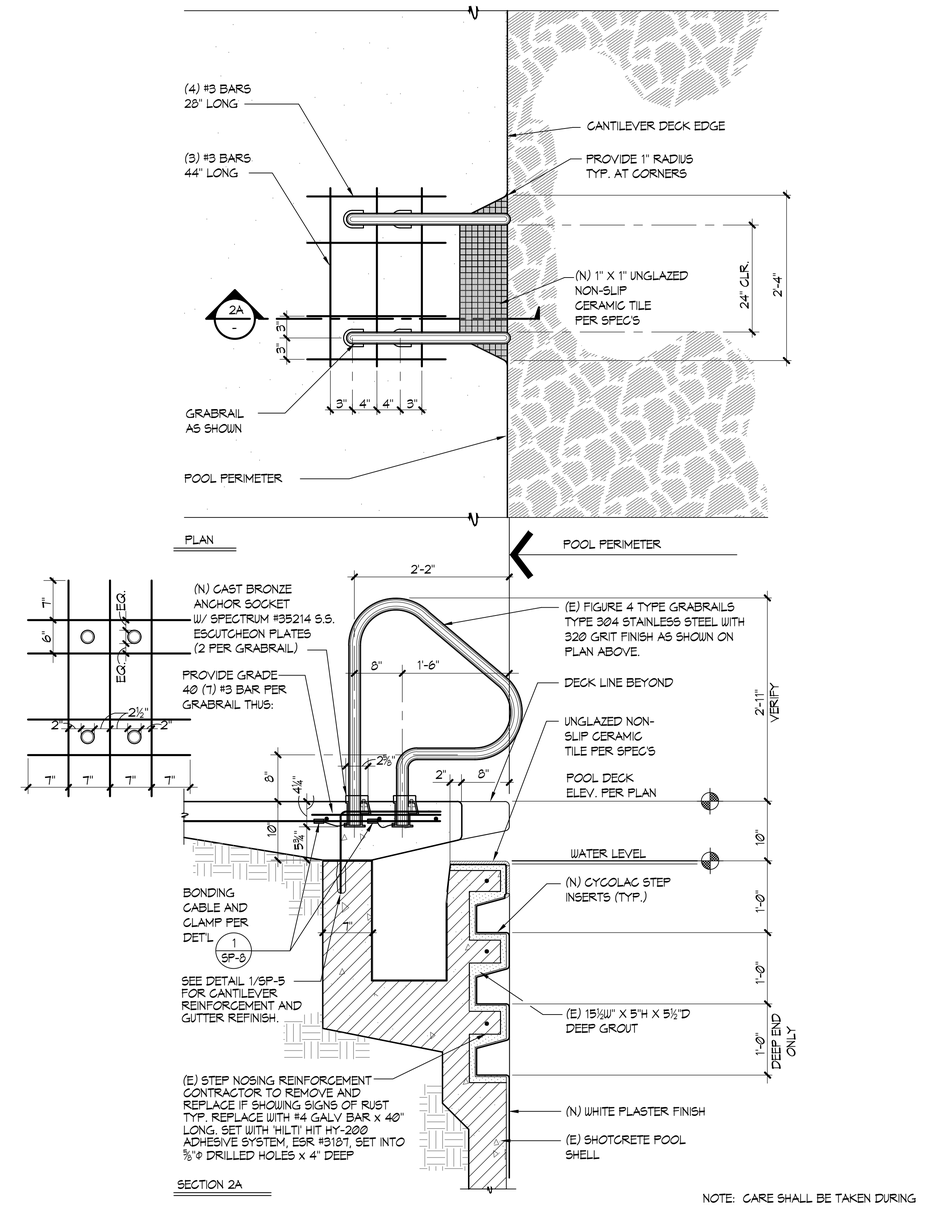



1 **1 METER DIVE STAND** NTS




NOTE: CARE SHALL BE TAKEN DURING THE PLASTER REMOVAL PROCESS TO PROVIDE STEP CUT-OUTS THAT ARE SUFFICIENTLY DEEP TO ALLOW FOR FLUSH INSTALLATION OF CYCOLAC STEP INSERTS. (NO EXCEPTIONS!!)

2 **GRABRAIL WITH STEPS** 1"=1'-0"

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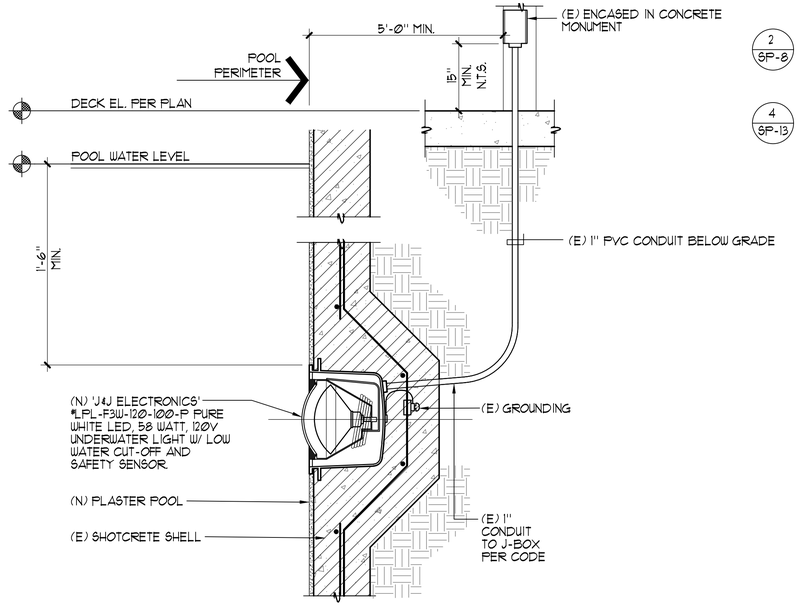



2 SP-8

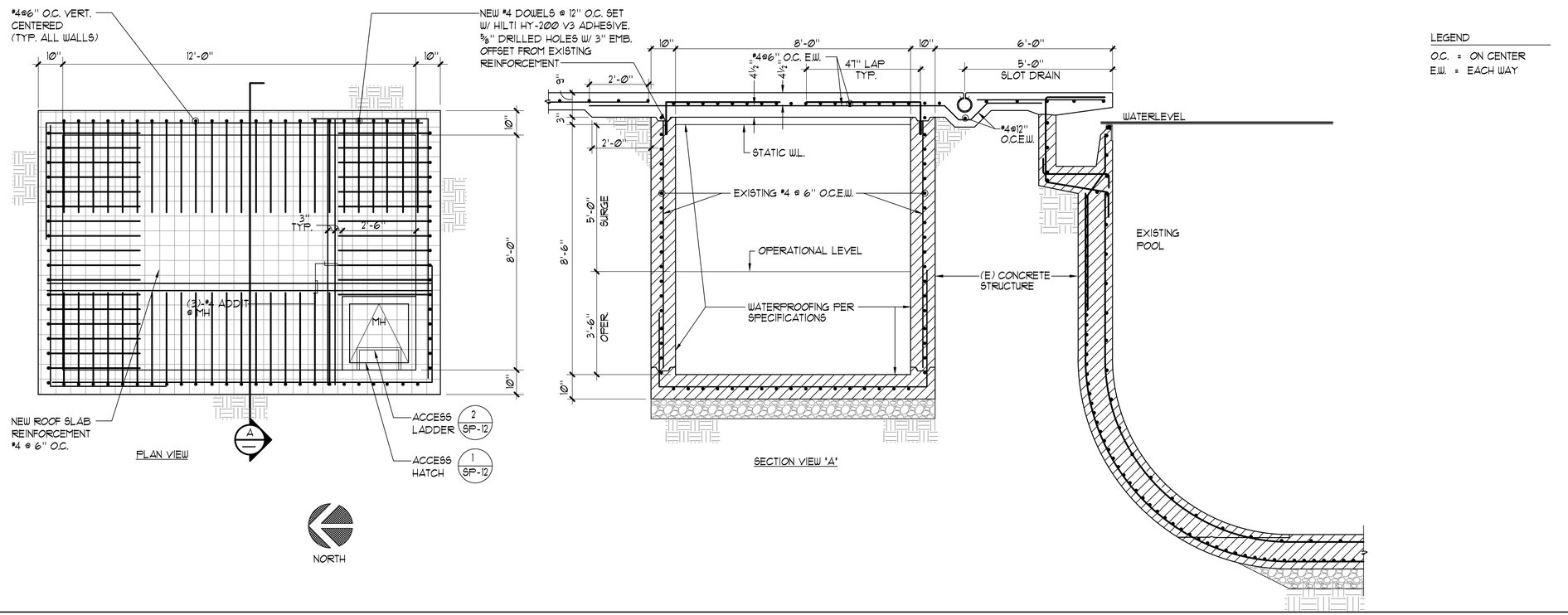
4 SP-13

UNDERWATER LIGHT NOTES:

1. ALL NEW CONDUITS IN POOL LIGHTING SYSTEM IF REQUIRED TO BE A MINIMUM OF 1".
2. CONDUCTORS TO POOL, J-BOXES SHALL BE MINIMUM 2-#8 & 1#8 (SEE UNDERWATER LIGHT PLAN) SOLID UNBROKEN TO MAIN PANEL ISOLATED GROUND BUSS. THIS BUSS IS TO BE CONNECTED WITH SOLID INSULATED #8 COPPER WIRE TO UFER & COLDWATER GROUNDING LUG ON GROUNDING BUSS. UPSIZE CONDUCTORS AS REQUIRED FOR HOMERUNS EXCEEDING 100'.
3. BRASS POOL J-BOXES IF REQUIRED SHALL BE 'HYDREL' #1719 ± W/ 1" HUBS OR EQUAL. (NO DIE CAST BOXES).
4. STRINGS SHALL BE PULLED IN ALL CONDUITS PRIOR TO PLACEMENT OF CONCRETE.
5. LOCAL, COUNTY OR CITY CODES SHALL BE ADHERED TO, SPECIFICATIONS TO BE IN ACCORDANCE WITH SECTION 680 OF LATEST N.E.C. BOOK.
6. CONTRACTOR SHALL TEST UNDERWATER POOL LIGHT GFIC CIRCUITS AND PROVIDE LETTER TO OWNER/DSA UPON SUCCESSFUL TEST.
7. SEAL CONDUIT OPENING IN LIGHT NICHE WITH SILICON CAULKING AFTER LIGHT IS INSTALLED.
8. PRIOR TO LIGHT INSTALLATION, PROVIDE MINIMUM 10 PSI PRESSURE TEST ON ALL POOL LIGHT CONDUITS FOR FOUR (4) HOURS OBSERVED BY INSPECTOR OF RECORD. MAINTAIN PRESSURE UNTIL ALL DECKS ARE POURED.

## 1 UNDERWATER LED LIGHT

1½"=1'-Ø"




## 2 SURGE CHAMBER

½"=1'-Ø"

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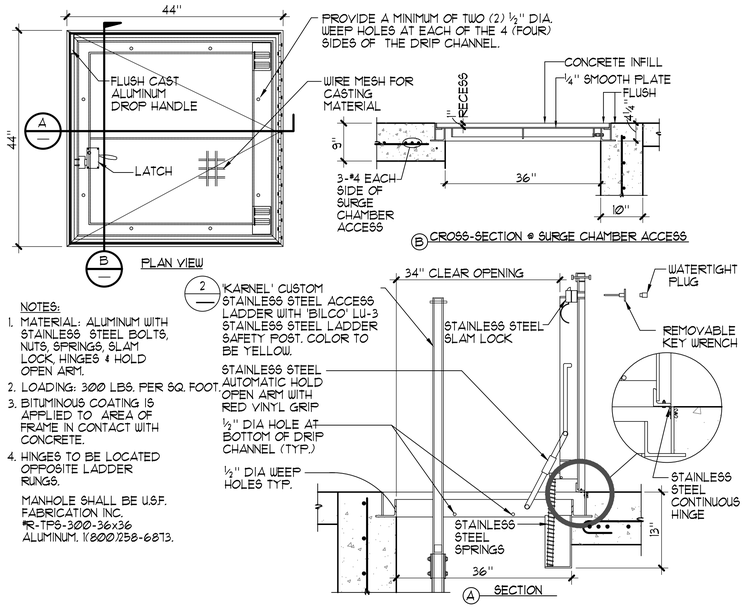


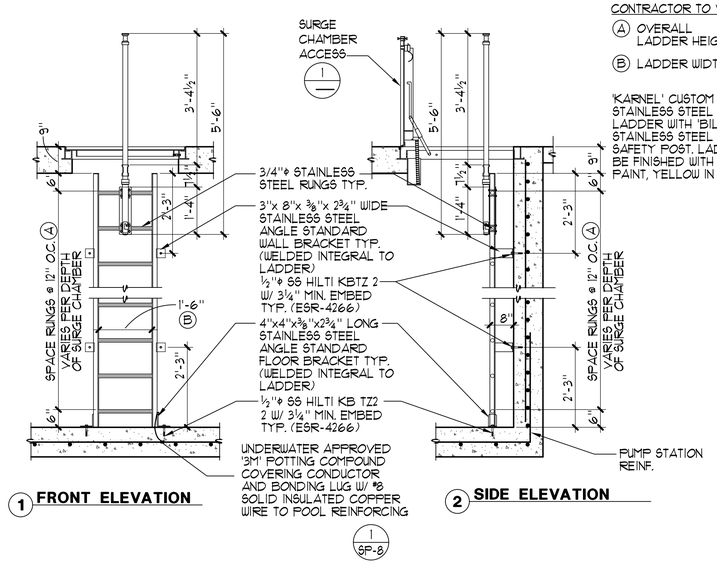

NOTES:

1. MATERIAL: ALUMINUM WITH STAINLESS STEEL BOLTS, NUTS, SPRINGS, SLAM LOCK, HINGES & HOLD OPEN ARM.
2. LOADING: 300 LBS. PER SQ. FOOT
3. BITUMINOUS COATING IS APPLIED TO AREA OF FRAME IN CONTACT WITH CONCRETE.
4. HINGES TO BE LOCATED OPPOSITE LADDER RUNGS.

MANHOLE SHALL BE U.S.F. FABRICATION INC. #R-TP8-300-36x36 ALUMINUM. 1(800)258-6873.

## 1 SURGE CHAMBER ACCESS COVER

¾" = 1'-0"




CONTRACTOR TO VERIFY:

(A) OVERALL LADDER HEIGHT

(B) LADDER WIDTH

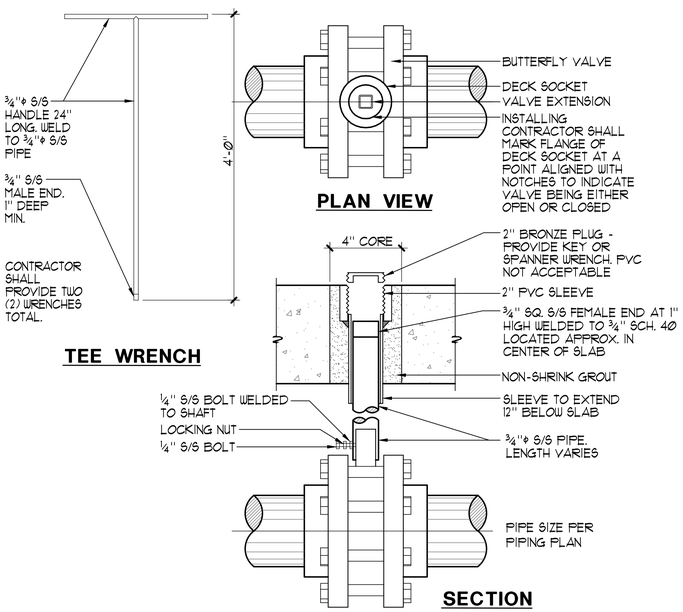
'KARNEL' CUSTOM STAINLESS STEEL ACCESS LADDER WITH 'BILCO' LU-3 STAINLESS STEEL LADDER SAFETY POST. LADDER TO BE FINISHED WITH EPOXY PAINT, YELLOW IN COLOR

1 FRONT ELEVATION

2 SIDE ELEVATION

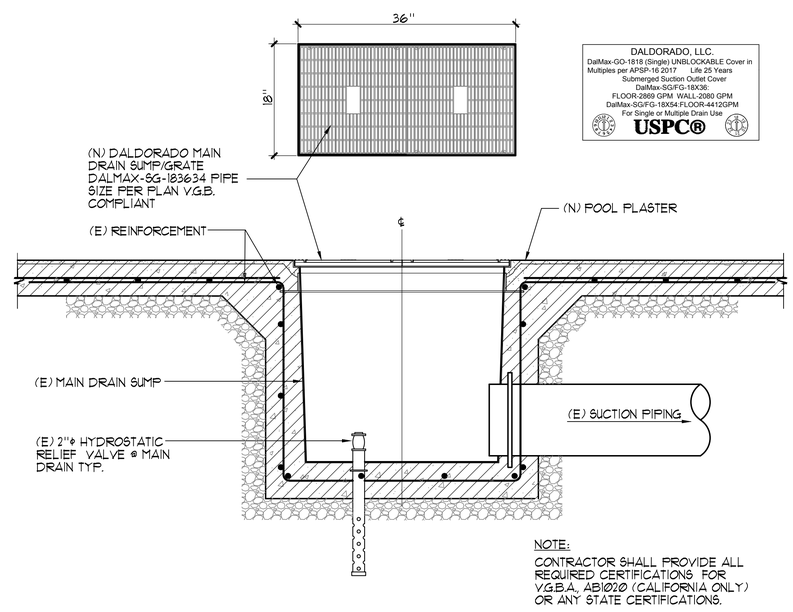
## 2 SURGE CHAMBER ACCESS LADDER

½" = 1'-0"




## 3 SURGE CHAMBER BUTTERFLY VALVE / EXTENSION DETAIL

NO SCALE




NOTE:

CONTRACTOR SHALL PROVIDE ALL REQUIRED CERTIFICATIONS FOR V.G.B.A, ABI020 (CALIFORNIA ONLY) OR ANY STATE CERTIFICATIONS.

## 4 MAIN DRAIN

1" = 1'-0"

PLOT DATE: 10/20/2023 9:37:51 AM

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITTAL |

LICENSED ARCHITECT GREGORY S. TETER C35802 REN. 07/31/25 STATE OF CALIFORNIA

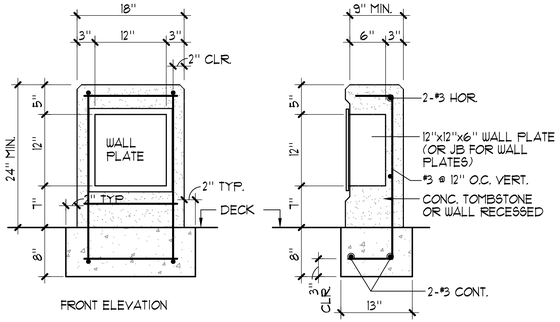
TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DETAILS

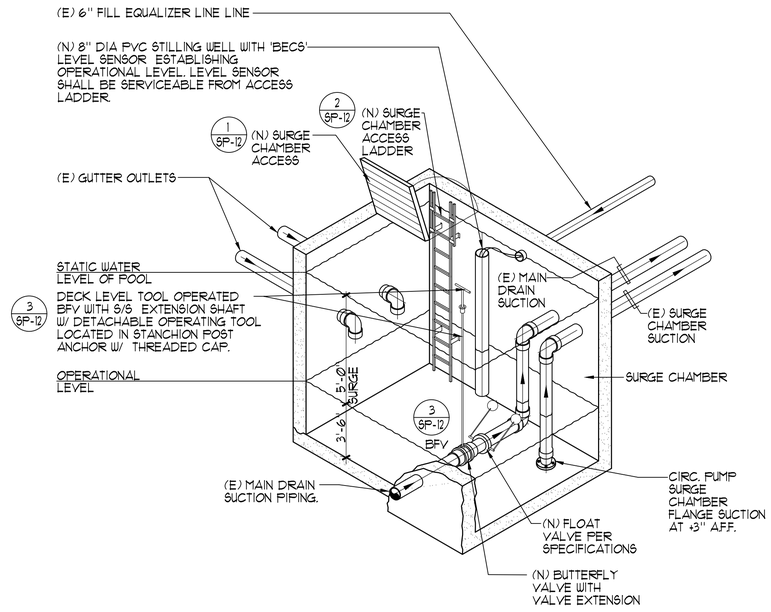
PROJECT NO.
02-12828.00

DRAWING
SP-12

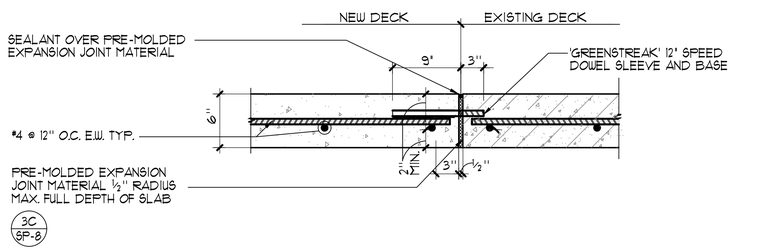



NOTE:
PROVIDE ¾" CHAMFER ON ALL CONCRETE CORNERS, SACK & PATCH ALL EXPOSED SURFACES

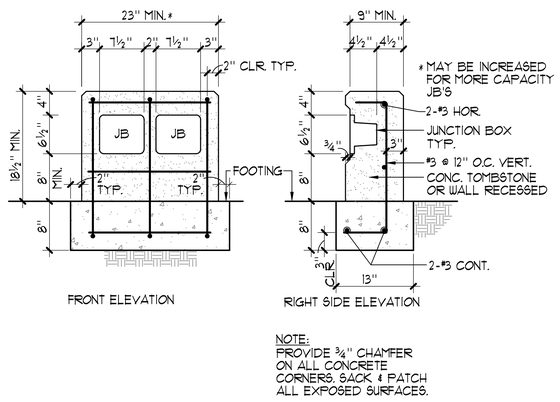
## 1 TIMING SYSTEM WALL PLATE CONCRETE SURROUND DETAIL 1"=1'-0"




## 2 SURGE CHAMBER PIPING SCHEMATIC NO SCALE




## 3 DEMOLITION / DECK DETAIL 1 1/2"=1'-0"




NOTE:
PROVIDE ¾" CHAMFER ON ALL CONCRETE CORNERS, SACK & PATCH ALL EXPOSED SURFACES.

NOTE:
THIS DETAIL IS PROVIDED IF JUNCTION BOX IS DAMAGED AND NEEDS REPLACING

## 4 UNDERWATER LIGHT JUNCTION BOX CONCRETE SURROUND DETAIL 1"=1'-0"

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LICENSED ARCHITECT
GREGORY S. TETER
C35802
REN. 07/31/25
STATE OF CALIFORNIA

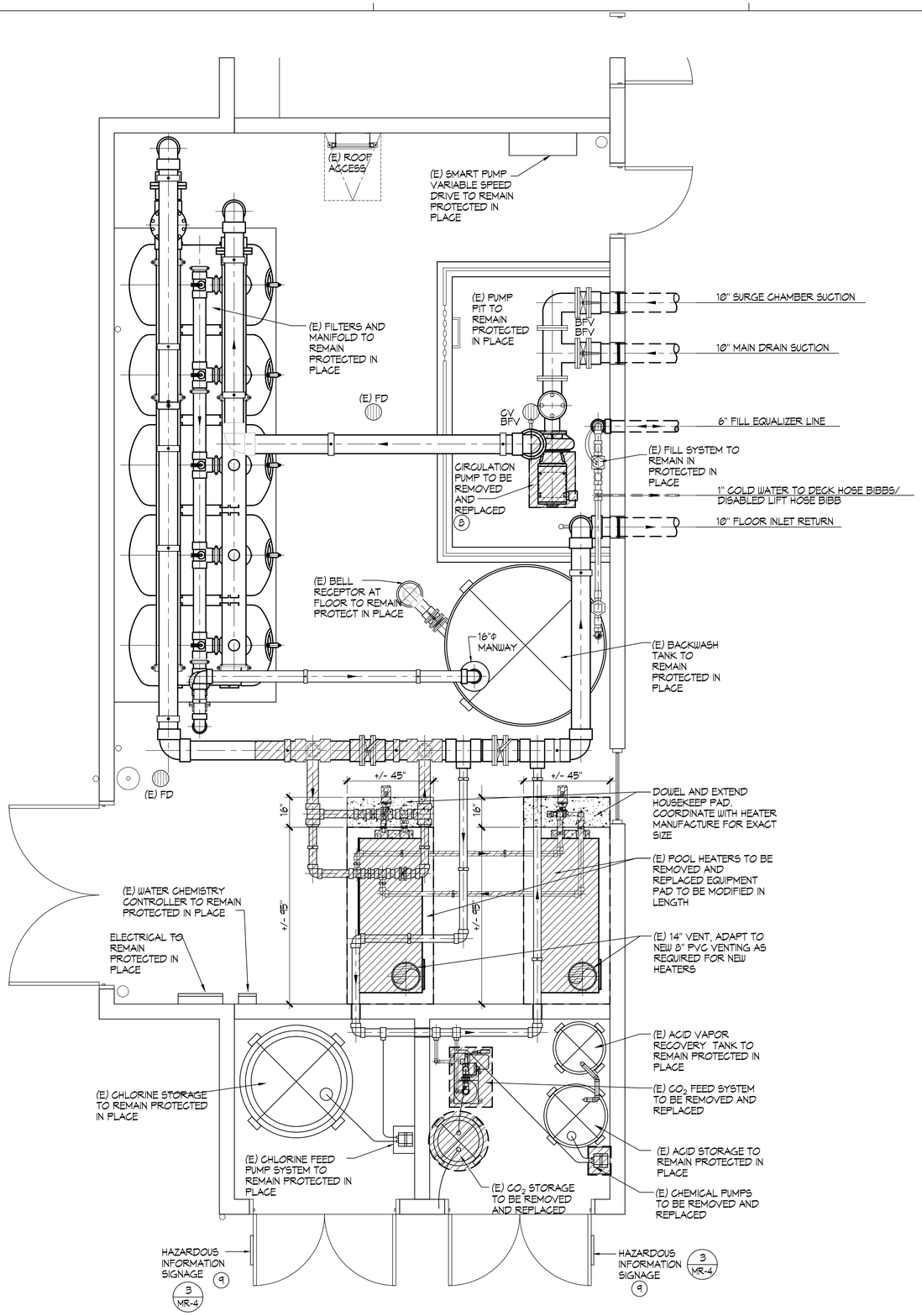
TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DETAILS

PROJECT NO.
02-12828.00

DRAWING
SP-13




## DEMOLITION NOTES

1. COORDINATE DEMOLITION WORK WITH THE OWNER, PROTECT ALL EXISTING WORK, BUILDINGS, PIPING, EQUIPMENT, UTILITIES, BUILDING LIGHTS, SPRINKLERS, HVAC EQUIPMENT, HEAT EXCHANGER PLUMBING, ETC. TO REMAIN.
2. REPAIR OR REPLACE ANY DAMAGED ITEMS DUE TO DEMOLITION AND/OR CONSTRUCTION.
3. COORDINATE INGRESS/EGRESS AND HAUL ROUTES WITH THE CONTRACTOR PRIOR TO START OF WORK.
4. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND HAULING OFF OF ALL MECHANICAL EQUIPMENT, PIPING, VALVING, AND THE LIKE, AND LEGALLY DISPOSING OF ALL SUCH MATERIAL FROM THE SITE AS PART OF THE OVERALL BASE BID.
5. LEAVE ADEQUATE PLUMBING LENGTH DURING DEMO FOR POC TO NEW PLUMBING.
6. FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE IN CONFORMANCE WITH CFC CHAPTER 33
7. ALL EXISTING UTILITY PLUMBING, POOL PLUMBING AND EQUIPMENT TO REMAIN PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
8. EXISTING CIRCULATION PUMP AND ASSOCIATED VALVES (BUTTERFLY AND CHECK VALVES) TO BE REMOVED AND REPLACED.
9. EXISTING SINAGE TO BE REPLACED WITH UPDATED CODE

## LEGEND

| | | |
|---|---|---|
| CV | = | CHECK VALVE |
| AI | = | ACID INJECTION |
| PH | = | PIPE HANGER — 3 / MR-6 |
| (E) | = | EXSTING |
| FD | = | FLOOR DRAIN |

NORTH

1 **MECHANICAL ROOM DEMOLITION PLAN** 3/8"=1'-0"



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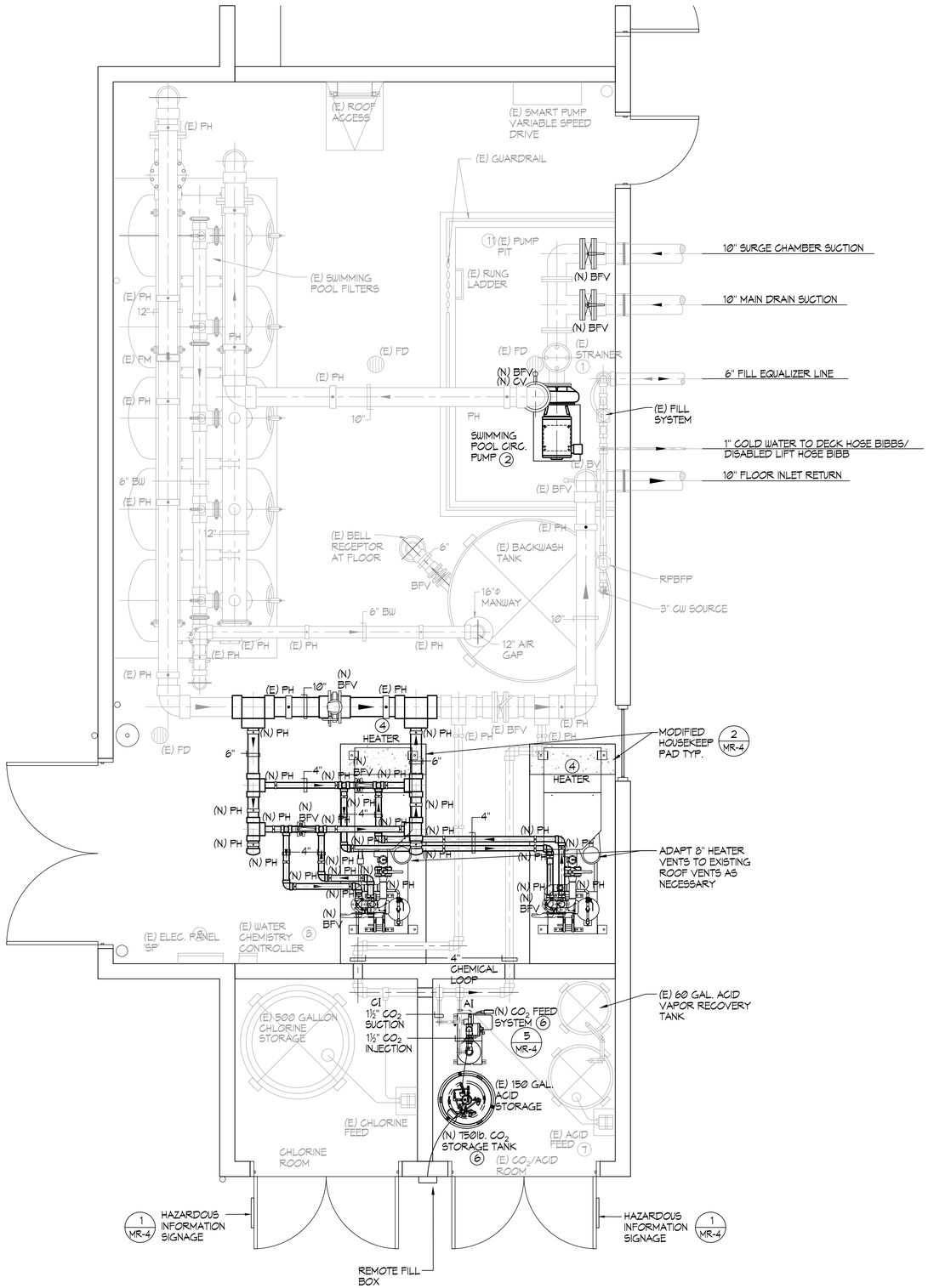
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
MECHANICAL ROOM DEMOLITION PLAN

PROJECT NO.
02-12828.00

DRAWING
MR-1




## EQUIPMENT LIST

1. EXISTING SWIMMING POOL STRAINER(S): EXISTING 'MER-MADE' F.O. SERIES FRP REDUCING BASKET STRAINER: ONE (1) 10"x8" STANDARD, WITH ACRYLIC LID AND TWO (2) STAINLESS STEEL STRAINERS EA. (150lbs.)
2. (1 MR-3) NEW SWIMMING POOL CIRCULATION PUMP: 'PACO' #6015-7. 6"X8"X15" TYPE 'LC' END SUCTION CENTRIFUGAL PUMP; 1150 RPM 460V, 3PH; 30HP; RATED AT 1490 GPM @ 60 FT. TDH; 81% EFFICIENT; PREMIUM EFFICIENCY TEFC MOTOR; EPOXY COAT ALL WET SURFACES. 'PACO', 'AURORA' OR EQUAL. (760 lbs.). PROVIDE "SPCS' SMART PUMP CONTROL SYSTEM 30HP VARIABLE SPEED DRIVE MODEL SPC5030-FD4 SYSTEM 36'X36'X12" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCES, 480V 3PH.
3. EXISTING SWIMMING POOL FILTERS: 'EKO³ SYSTEMS' #42-200-5 AUTOMATIC FILTER CONTROL WITH 100 SQ. FT. OF FILTER AREA RATED AT 1500 GPM AT 15 GPM/SQ. FT.
4. (2 MR-3) NEW SWIMMING POOL HEATER: INDIRECT FIRED POOL HEATING PACKAGE SYSTEM; 'AQUA5' CREST WITH SMARTTOUCH CONTROL CONDENSING MODULATING BOILER, TITANIUM PLATE AND FRAME HEAT EXCHANGER WITH CPVC CONNECTIONS, FACTORY ASSEMBLED SKID MOUNTED PACKAGE, CALIFORNIA CODE CONTROLS, 1½" NATURAL GAS CONNECTION, 3" WATER CONNECTIONS, 8" DIAMETER VENT SIZE, PVC VENTED; 1,150,000 BTU PER HOUR INPUT, 96.2% EFFICIENT, PROVIDE ¾" COLD WATER TO EACH UNIT FROM CW DOMESTIC. 'LOCHINVAR APO1150N', WEIGHT = 3,247 lbs. EA. TWO (2) TOTAL.
5. EXISTING CHLORINE STORAGE/FEED SYSTEM: 'CHEM-TAINER' 500 GALLON #TC5971DC; DUAL STORAGE/CONTAINMENT TANK.
6. (3,4,5 MR-3) NEW CARBON DIOXIDE STORAGE FEED SYSTEM: PROVIDE ONE (1) 'NOVO-750', 750 lb. CRYOGENIC LIQUID CO2 STORAGE TANK WITH REMOTE FILL PORT. 594 LIQUID lbs., (5,195 CUBIC FEET OF GASEOUS CO2 AT NTP) ONE (1) TOTAL. PROVIDE EKO PH-MTS CO2 HIGH EFFICIENCY FEED SYSTEM WITH ALKALINITY CONTROL, Ø TO 160 SCFH FEED CAPACITY BOOSTER PUMP, PIPING INJECTOR, FLOWMETER, RELAYS AND ACID FEED ALKALINITY CONTROL. ONE (1) SYSTEM TOTAL (92lbs. EA.) PROVIDE HARD WIRED 'ANALOX' #API KIT CO2 DETECTOR WITH AUDIBLE AND VISUAL ALARMS IN EACH CHEMICAL ROOM, UL 1971 STANDARD LISTED, ONE (1) TOTAL.
7. EXISTING ACID STORAGE/FEED SYSTEM:EXISTING 'CHEM-TAINER' 150 GALLON #TC3448DC: DUAL STORAGE/CONTAINMENT TANK.
8. EXISTING WATER CHEMISTRY CONTROLLER: CS-IMPACT-FILTER(B)-APR WATER CHEMISTRY CONTROLLER.
9. EXISTING ELECTRICAL: ELECTRICAL WIRING, CONDUIT, PANEL(S), STARTER/DISCONNECT INTERCONNECT(S) ETC.
10. EXISTING SWIMMING POOL MAKE-UP WATER CONTROL: 'CLAYTON' 3"-124-O1AKX.
11. EXISTING PUMP PIT: 12'-0"xT-0"x5'-0" DEEP.
12. EXISTING BACKWASH TANK: 'CHEM-TAINER' #TC8674IC, 86"X74" WITH 6"Ø VALVED BOTTOM OUTLET.

## LEGEND

| | | |
|---|---|---|
| BV | = | BALL VALVE |
| BFV | = | BUTTERFLY VALVE |
| CV | = | CHECK VALVE |
| FM | = | FLOWMETER |
| CI | = | CHLORINE INJECTION |
| $CO_2$I | = | CARBON DIOXIDE INJECTION |
| AI | = | ACID INJECTION |
| PH | = | PIPE HANGER (6 MR-3) |
| FD | = | FLOOR DRAIN |

## MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA - APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.1B THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

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

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

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

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

## PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 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, 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 A PREAPPROVED 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 ☐ 1. SHALL COMPLY WITH THE APPLICABLE HCAI (OSHPD) PRE-APPROVAL (OPM #) OPM #0043-13

## WEDGE OR EXPANSION ANCHOR EMBEDMENT DEPTH AND TEST LOAD

| SIZE | HILTI KB TZ 2 (SS) ANCHORS IN CONCRETE (ESR-4266) | | KB TZ 2 (SS) ANCHORS IN CMU (ESR-4561) | |
|---|---|---|---|---|
| | MIN. EMBED (heff) | TORQUE LOAD (FT-LBS) | MIN. EMBED (heff) | TORQUE LOAD (FT-LBS) |
| ¼" DIA. | 1½" | 6 | 1½" | 6 |
| ⅜" DIA. | 2½" | 30 | 2½" | 15 |
| ½" DIA. | 3¼" | 40 | 3¼" | 25 |
| ⅝" DIA. | 4" | 60 | 4" | 35 |
| ¾" DIA. | 4¾" | 125 | 4¾" | 50 |

NORTH

1 **MECHANICAL ROOM LAYOUT PLAN** ⅜"=1'-0"

PLOT DATE: 10/20/2023 9:37:51 AM

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TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
MECHANICAL ROOM LAYOUT PLAN

PROJECT NO.
02-12828.00

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MR-2

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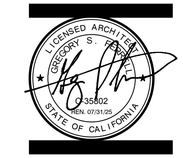


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SWIMMING POOL MODERNIZATION
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DETAILS

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MR-3

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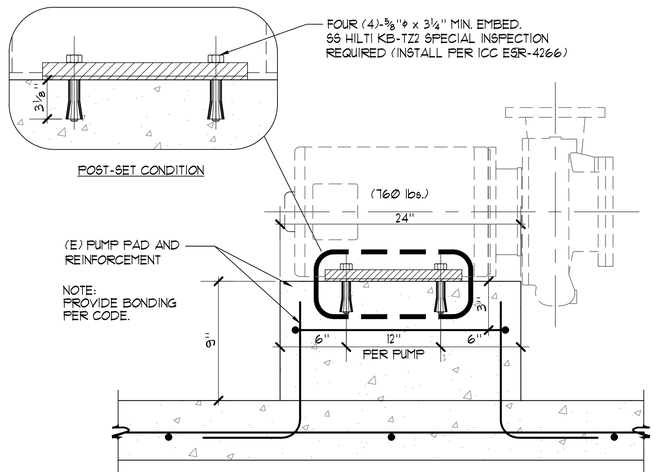
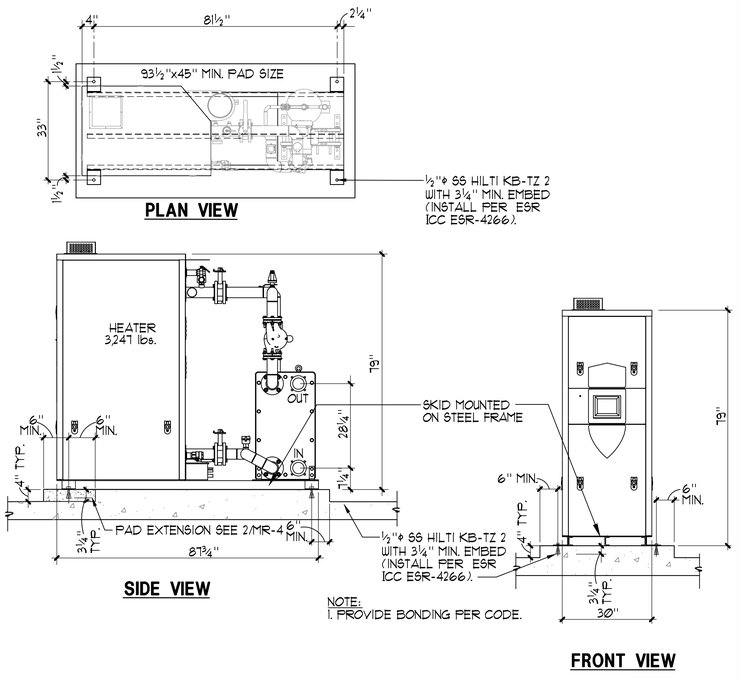
## 1 PUMP ANCHORAGE

NO SCALE



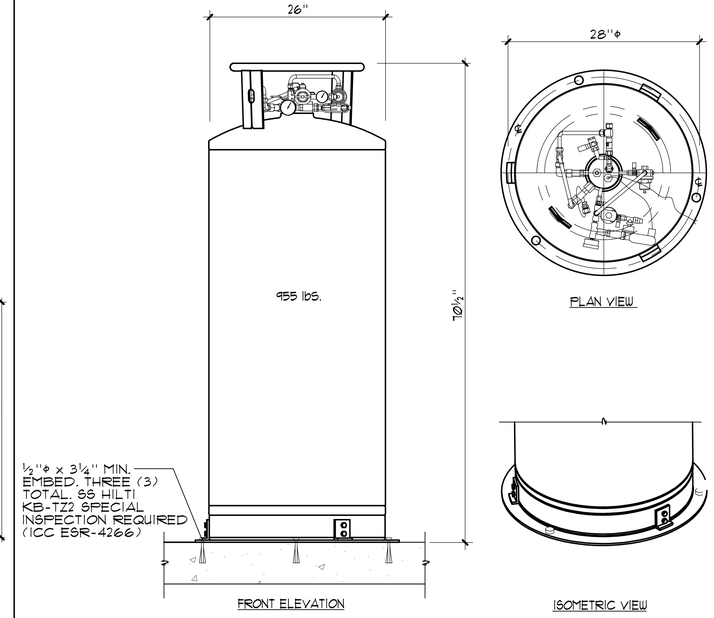

## 2 HEATER ANCHORAGE

½" = 1'-0"



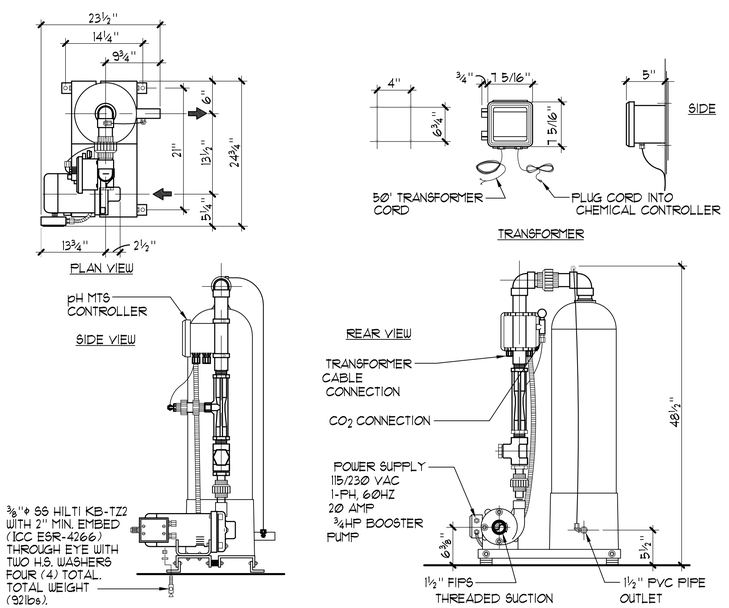

## 3 CO2 TANK ANCHORAGE DETAIL

NO SCALE



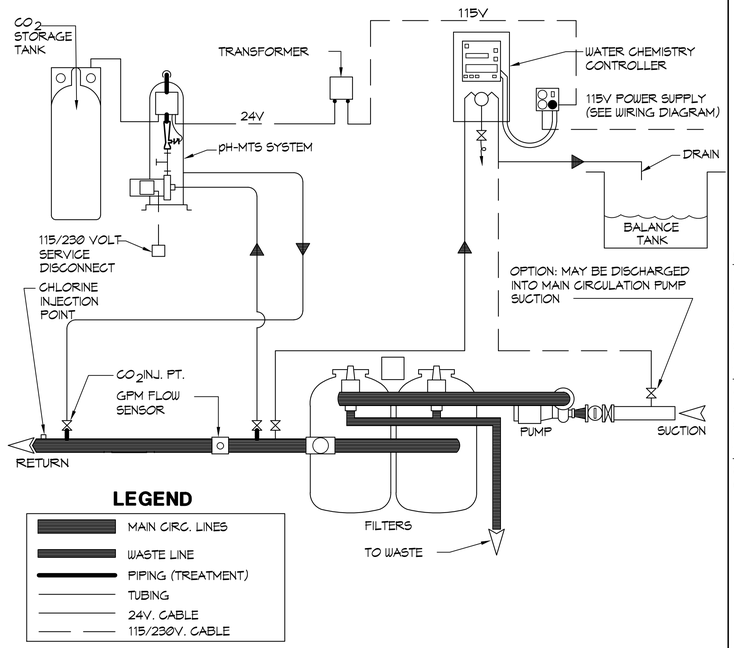

## 4 CARBON DIOXIDE pH MTS CONTROLLER

NO SCALE



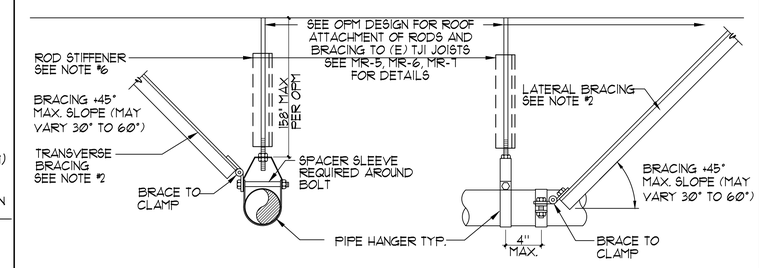

## 5 TYPICAL CARBON DIOXIDE pH-MTS INSTALLATION

NO SCALE




## 6 'UNISTRUT' PIPING HANGER/SUPPORT DETAILS

NO SCALE




HANGER/BRACE PERPENDICULAR

HANGER/BRACE LONGITUDINAL

HANGER ROD SIZES/TABLE

½"ϕ AT 3" PIPING MAX. ROD LENGTH = 158" MAX PER OPM FG. C1.22
⅝"ϕ AT 4" PIPING MAX. ROD LENGTH = 158" MAX PER OPM FG. C1.34
¾"ϕ AT 6" PIPING MAX. ROD LENGTH = 158" MAX PER OPM FG. C1.44
¾"ϕ AT 8" PIPING MAX. ROD LENGTH = 158" MAX PER OPM FG. C1.44
(2) ⅜"ϕ AT TRAPEZE, MAX. ROD LENGTH = 158" MAX PER OPM PG. F1.30

MAX. PIPE HANGER SPACING FOR A SINGLE CLEVIS HANGER ONLY

4" PIPING OR SMALLER = 4'-0" O.C. @ 44.46lbs
6" PIPING = 4'-0" O.C. @ 97.92lbs
8" PIPING = 4'-0" O.C. @ 166lbs

MAX. TRAPEZE SPACING FOR MULTI-PIPE SUPPORT

8" AND/OR MULTIPLE PIPES = 1⅝x1⅝x12GA DOUBLE CHANNEL, AT 4'-0" OC. SEE OPM FG. P1.12

NOTES:

1. REFER TO HCAI (OPM #0043-13.) FOR PIPE HANGER HARDWARE & INSTALLATION. INSTALLATION SHALL SATISFY ANCHORAGE REQUIREMENTS OF ACI 318 CHAPTER 17.
2. PROVIDE BRACING FOR EACH PIPE HANGER IN TWO DIRECTIONS AT THE FOLLOWING CONDITIONS.
   - AT EACH CHANGE IN PIPE RUN DIRECTION
   - MID LENGTH OF PIPE RUN
   - SPACING NOT TO EXCEED 12'-0" O.C.

   1⅝x1⅝x12GA SINGLE STRUT (5'-0" LENGTH MAX)
   1⅝x1⅝x12GA DOUBLE STRUT (14'-6" LENGTH MAX)
3. ALL HARDWARE SHALL BE STAINLESS STEEL OR GALVANIZED SEE SPECIFICATION FOR ADDITIONAL INFORMATION.
4. FOR COPPER TUBING USE COPPER PLATED OR PAINTED B31.04CT, FELT LINED B31.00F, OR PLASTIC COATED B31.00C.
5. REFER TO MR.1 FOR PIPE HANGER LOCATIONS.
6. PROVIDE ROD STIFFENER WHEN TRANSVERSE OR LONGITUDINAL BRACING IS USED AND ROD LENGTHS EXCEED THE FOLLOWING:
   2" PIPE AND SMALLER = 18" MAX. PER C1.22
   2½" - 4" PIPE = 31" MAX. PER C1.34
   6" - 8" PIPE = 37" MAX PER C1.44

NO SCALE

\\tetr-file1\Users\cesar.silva_TETR\Documents\12828-A-SUSD_Selma HS Pool Mod_cesar.sil.rvt

| CHEMICAL CLASSIFICATION TABLE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| COMMON NAME | CHEMICAL NAME | % COMP. | CAS # | FORM | QUANT. STORED (NOT USED) | QUANT. IN USE (USE-CLOSED) | MAXIMUM ALLOWABLE QUANTITY | LOCATION (STORAGE & USE) | HAZ. CLASSES | JUSTIFICATION |
| LIQUID CHLORINE | SODIUM HYPOCHLORITE | 12.5% | 7681-52-9 | LIQUID | 0 GAL. | 500 GAL. | 500 GAL. | CHLORINE ROOM | CORROSIVE LIQUID | MSDS |
| MURIATIC ACID | HYDROCHLORIC ACID | 25% | 7647-01-0 | LIQUID | 0 GAL. | 150 GAL. | 500 GAL. | ACID ROOM | CORROSIVE LIQUID | MSDS |
| CARBON DIOXIDE | CARBON DIOXIDE | 100% | 124-39-9 | LIQUID | 0 lbs. | 650 lbs. | N/A | ACID ROOM | CRYOGENIC INERT | MSDS |

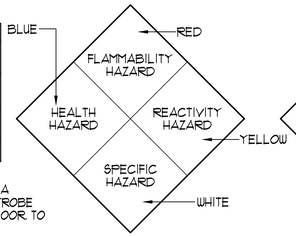
QUANTITIES OF CHEMICALS DO NOT EXCEED THE QUANTITIES LISTED IN CBC TABLES 307.1 (1) AND 307.1 (2).

FOR CARBON DIOXIDE GAS SEE TABLE 1.12.8(b) OF THE NFPA-1, 6,000 $FT^3$ ALLOWABLE OR 686 lbs. STORAGE PER CONTAINED AREA PROVIDE HARD WIRED $CO_2$ DETECTOR 'ANALOX SENSOR TECHNOLOGY' MODEL #API KIT SENSOR AND STROBE UNITS 120V HARD WIRED W/ STROBE LIGHT AND AUDIBLE ALARM. SENSOR MOUNTED 18 INCHES AFF. AND ALARM LEVEL BETWEEN 10-16 INCHES AND WITHIN VISIBLE EYESIGHT OF DOOR. TO BE SET TO DETECT CO2 GAS IN LEVELS IN EXCESS OF THE PEL. PROVIDE IN EACH ROOM CONTAINING $CO_2$.

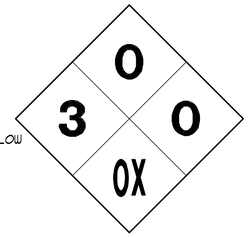
| RATING EXPLANATION GUIDE | | | | | |
|---|---|---|---|---|---|
| RATING | HEALTH HAZARD | FLAMMABILITY HAZARD | REACTIVITY HAZARD | SPECIFIC HAZARD | |
| 4 | CAN BE LETHAL | EXTREMELY FLAMMABLE. IGNITES AT BELOW 73° F. | MAY EXPLODE AT NORMAL TEMPERATURES AND PRESSURES | OXIDIZER: | OX |
| | | | | ACID: | ACID |
| 3 | CAN CAUSE SERIOUS OR PERMANENT INJURY | IGNITES AT ABOVE 73° F, BELOW 100° F. | MAY EXPLODE AT HIGH TEMPERATURES OR SHOCK | CORROSIVE: | COR |
| 2 | CAN CAUSE TEMPORARY INCAPACITATION OR RESIDUAL INJURY | IGNITES AT ABOVE 100° F, BELOW 200° F. | VIOLENT CHEMICAL CHANGE AT HIGH TEMPERATURES OR PRESSURES | ALKALI: | ALK |
| | | | | USE NO WATER: | ~~W~~ |
| 1 | CAN CAUSE SIGNIFICANT IRRITATION | IGNITES AT ABOVE 200° F. | NORMALLY STABLE. HIGH TEMPERATURES MAKE UNSTABLE | RADIATION HAZARDS: | ☢ |
| 0 | NO HAZARD | WILL NOT BURN | STABLE | POLYMERIZES: | P |

NOTES:

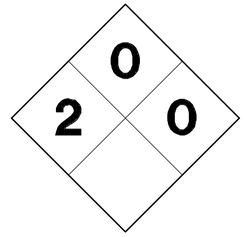
1. CONFIRM SIGNAGE WITH LOCAL FIRE MARSHALL AND/OR BUILDING CODES PRIOR TO INSTALLATION. SIGNS SHALL CONFORM TO NFPA 704.
2. SIGNS SHALL BE SIZES AND COLORS PER CODE MOUNTED AT +60" AFF. ON DOORS AT CHEMICAL ROOMS.



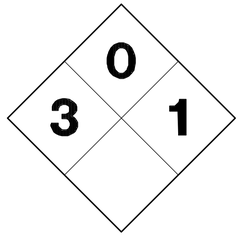

LEGEND




CARBON DIOXIDE

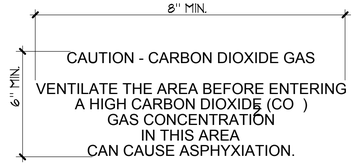



SODIUM HYPOCHLORITE



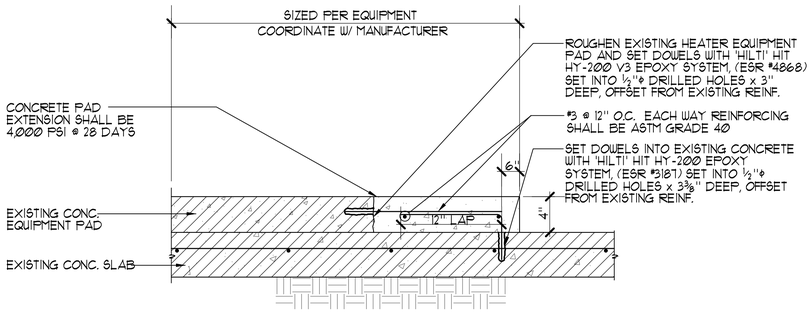

MURIATIC ACID

SIGN SHALL BE POSTED AT ROOM ENTRANCE: SIGN SHALL BE NOT LESS THAN 8" IN LENGTH AND 6" IN HEIGHT AND INDICATE:




## 1 HAZARDOUS INFORMATION SIGNAGE

NO SCALE




## 2 RETROFIT MECHANICAL PAD

1½" = 1'-0"

## 3 NOT USED

## 4 NOT USED

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C 35302
REN. 07/31/25
STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
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PROJECT NO.
02-12828.00

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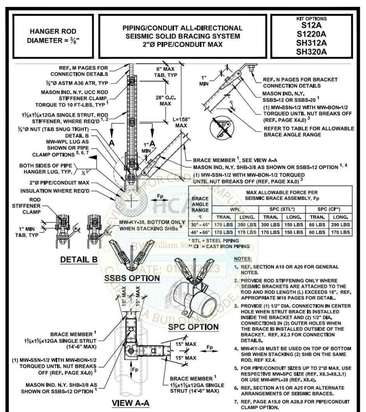

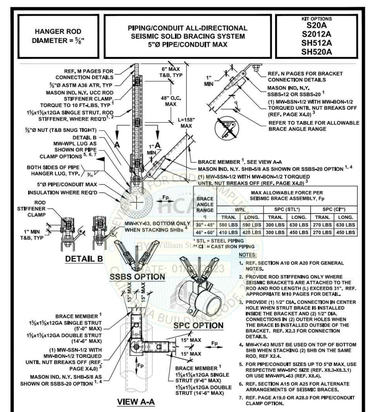

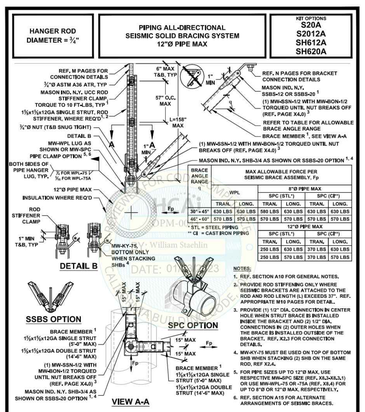

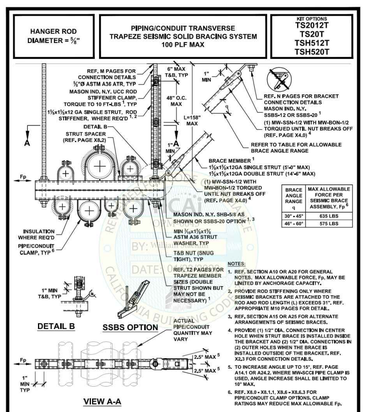

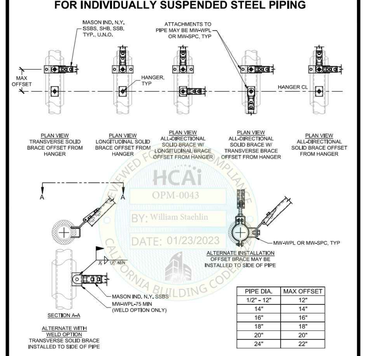

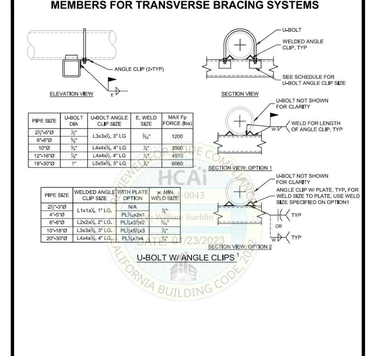

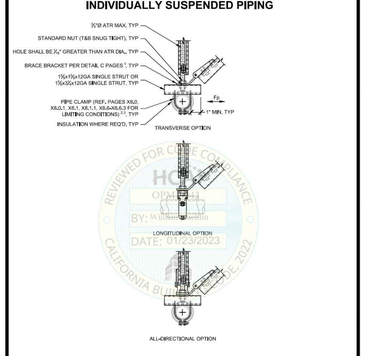

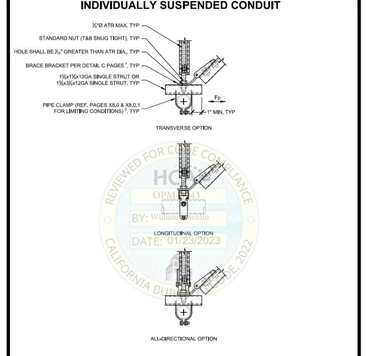

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## PIPE WEIGHTS - PVC

| SCHEDULE 40 PVC PIPE | | | | |
|---|---|---|---|---|
| PIPE DIA. (IN) | WALL THICKNESS (IN) | WEIGHT PER FOOT (LBS) PIPE | WATER | TOTAL |
| 1/2 | 0.109 | 0.15 | 0.13 | 0.28 |
| 3/4 | 0.113 | 0.20 | 0.23 | 0.43 |
| 1 | 0.133 | 0.30 | 0.37 | 0.67 |
| 1 1/4 | 0.140 | 0.40 | 0.65 | 1.05 |
| 1 1/2 | 0.145 | 0.48 | 0.88 | 1.36 |
| 2 | 0.154 | 0.64 | 1.45 | 2.10 |
| 2 1/2 | 0.203 | 1.02 | 2.07 | 3.09 |
| 3 | 0.216 | 1.33 | 3.20 | 4.53 |
| 3 1/2 | 0.226 | 1.60 | 4.28 | 5.88 |
| 4 | 0.237 | 1.90 | 5.51 | 7.41 |
| 5 | 0.258 | 2.77 | 8.66 | 11.43 |
| 6 | 0.280 | 3.34 | 12.15 | 15.49 |
| 8 | 0.322 | 5.28 | 21.60 | 26.88 |
| 10 | 0.366 | 7.51 | 34.10 | 41.61 |
| 12 | 0.406 | 10.02 | 48.50 | 58.52 |

| SCHEDULE 80 PVC PIPE | | | | |
|---|---|---|---|---|
| PIPE DIA. (IN) | WALL THICKNESS (IN) | WEIGHT PER FOOT (LBS) PIPE | WATER | TOTAL |
| 1/2 | 0.147 | 0.15 | 0.10 | 0.25 |
| 3/4 | 0.154 | 0.26 | 0.19 | 0.45 |
| 1 | 0.179 | 0.38 | 0.31 | 0.69 |
| 1 1/4 | 0.191 | 0.53 | 0.56 | 1.08 |
| 1 1/2 | 0.200 | 0.64 | 0.77 | 1.40 |
| 2 | 0.218 | 0.88 | 1.28 | 2.16 |
| 2 1/2 | 0.276 | 1.35 | 1.83 | 3.18 |
| 3 | 0.300 | 1.80 | 2.86 | 4.66 |
| 3 1/2 | 0.318 | 2.20 | 3.85 | 6.05 |
| 4 | 0.337 | 2.64 | 4.98 | 7.62 |
| 5 | 0.375 | 4.13 | 7.87 | 12.00 |
| 6 | 0.432 | 5.03 | 11.29 | 16.32 |
| 8 | 0.500 | 8.02 | 19.80 | 27.82 |
| 10 | 0.593 | 11.89 | 31.10 | 42.99 |
| 12 | 0.687 | 16.37 | 44.00 | 60.37 |

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California SE No. S5270
PAGE APP2.3

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HANGER ROD DIAMETER = 3/8"
PIPING/CONDUIT ALL-DIRECTIONAL SEISMIC SOLID BRACING SYSTEM 2"Ø PIPE/CONDUIT MAX
KIT OPTIONS S12A S1220A SH312A SH320A

| BRACE ANGLE RANGE θ | WPL TRAN. | WPL LONG. | SPC (STL*) TRAN. | SPC (STL*) LONG. | SPC (CI**) TRAN. | SPC (CI**) LONG. |
|---|---|---|---|---|---|---|
| 30° - 45° | 170 LBS | 300 LBS | 300 LBS | 150 LBS | 60 LBS | 290 LBS |
| 46° - 60° | 170 LBS | 170 LBS | 170 LBS | 150 LBS | 60 LBS | 170 LBS |

* STL = STEEL PIPING
** CI = CAST IRON PIPING

NOTES:
1. REF. SECTION A10 OR A20 FOR GENERAL NOTES.
2. PROVIDE ROD STIFFENING ONLY WHERE SEISMIC BRACKETS ARE ATTACHED TO THE ROD AND ROD LENGTH (L) EXCEEDS 18". REF. APPROPRIATE M10 PAGES FOR DETAIL.
3. PROVIDE (1) 1/2" DIA. CONNECTION IN CENTER HOLE WHEN STRUT BRACE IS INSTALLED INSIDE THE BRACKET AND (2) 1/2" DIA. CONNECTIONS IN (2) OUTER HOLES WHEN THE BRACE IS INSTALLED OUTSIDE OF THE BRACKET. REF. X2.3 FOR CONNECTION DETAILS.
4. MW-KY-38 MUST BE USED ON TOP OF BOTTOM SHB WHEN STACKING (2) SHB ON THE SAME ROD, REF X2.4.
5. FOR PIPE/CONDUIT SIZES UP TO 2"Ø MAX, USE RESPECTIVE MW-SPC SIZE (REF. X8.3-X8.3.1) OR USE MW-WPL-38 (REF. X8.4).
6. REF. SECTION A15 OR A25 FOR ALTERNATE ARRANGEMENTS OF SEISMIC BRACES.
7. REF. PAGE A19.0 OR A28.0 FOR PIPE/CONDUIT CLAMP OPTION.

PAGE C1.12

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HANGER ROD DIAMETER = 5/8"
PIPING/CONDUIT ALL-DIRECTIONAL SEISMIC SOLID BRACING SYSTEM 5"Ø PIPE/CONDUIT MAX
KIT OPTIONS S20A S2012A SH512A SH520A
PAGE C1.34

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HANGER ROD DIAMETER = 3/4"
PIPING ALL-DIRECTIONAL SEISMIC SOLID BRACING SYSTEM 12"Ø PIPE MAX
KIT OPTIONS S20A S2012A SH612A SH620A
PAGE C1.44

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HANGER ROD DIAMETER = 5/8"
PIPING/CONDUIT TRANSVERSE TRAPEZE SEISMIC SOLID BRACING SYSTEM 100 PLF MAX
KIT OPTIONS TS2012T TS20T TSH512T TSH520T
PAGE F1.30

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## 1/2" - 2" PIPE HANGER

## 2 1/2" - 4" PIPE HANGER

## 6" - 10" PIPE HANGER

## 10" PIPE HANGER & TRAPEZE

PIPING GENERAL NOTES
PAGE A10.0

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ALTERNATE ARRANGEMENT OF SEISMIC BRACES FOR INDIVIDUALLY SUSPENDED STEEL PIPING
PAGE A15.2

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ATTACHMENT OPTIONS FOR PIPING ON TRAPEZE MEMBERS FOR TRANSVERSE BRACING SYSTEMS
PAGE A16.3

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SEISMIC SOLID BRACING PIPE CLAMP OPTION FOR INDIVIDUALLY SUSPENDED PIPING
PAGE A19.0

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SEISMIC SOLID BRACING PIPE CLAMP OPTION FOR INDIVIDUALLY SUSPENDED CONDUIT
PAGE A28.0

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## SEE OPM-0043 FOR ADDITIONAL NOTES AND DETAILS

HANGER INSTALLATION DETAILS WITH ROD STIFFENER FOR STEEL OR WOOD ATTACHMENTS
PAGE M10.12

1/23/2023 OPM-0043: Reviewed for Code Compliance by William Staehlin 588 of 792

PIPE
STEEL PIPE (STANDARD SCHEDULE) WATER FILLED WITH INSULATION MAXIMUM SEISMIC BRACE SPACINGS
VERTICAL FORCE Fpv = 0.375g (ASD)
PAGE S1.0

1/23/2023 OPM-0043: Reviewed for Code Compliance by William Staehlin 701 of 792

CONDUIT
ELECTRICAL METALLIC TUBING (EMT) MAXIMUM SEISMIC BRACE SPACINGS
VERTICAL FORCE Fpv = 0.375g (ASD)
PAGE S2.0

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PIPING/CONDUIT
TRAPEZE SELECTION TABLES
VERTICAL FORCE Fpv = 0.375g (ASD)
PAGE T2.0

1/23/2023 OPM-0043: Reviewed for Code Compliance by William Staehlin 725 of 792

MASON IND. N.Y. SSBS - SEISMIC SOLID BRACE
PAGE X2.0

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C-35802
REN. 07/31/25

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DETAILS

PROJECT NO.
02-12828.00

DRAWING
MR-5

\\tetr-file1\Users\cesar.silva_TETR\Documents\12828-A-SUSD_Selma HS Pool Mod_cesar.sil.rvt

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**SEE OPM-0043 FOR ADDITIONAL NOTES AND DETAILS**

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SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

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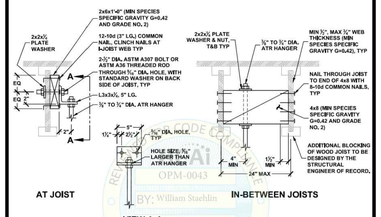
MR-6

## HANGER ATTACHMENT TO WOOD I-JOISTS




| HANGER ATTACHMENT TYPE | ALLOWABLE VERTICAL LOAD LBS | ATR HANGER DIA INCH |
|---|---|---|
| 38A TO 38E | 360 | ⅝ |
| 50A TO 50E | 360 | ⅝ |
| 63A TO 63E | 360 | ⅝ |
| 75A TO 75E | 360 | ⅝ |

SEE DETAIL M0.00 FOR SECTION NOTES



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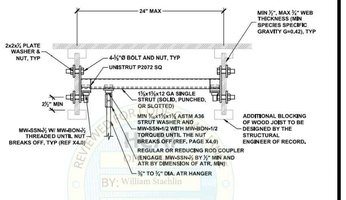
California SE No. S5270

PAGE M4.11



## HANGER ATTACHMENT TO WOOD I-JOISTS




| HANGER ATTACHMENT TYPE | ALLOWABLE VERTICAL LOAD LBS | ATR HANGER DIA INCH |
|---|---|---|
| 38A TO 38H | 710 | ⅝ |
| 50A TO 50H | 710 | ⅝ |
| 63A TO 63H | 710 | ⅝ |
| 75A TO 75H | 710 | ⅝ |

SEE DETAIL M0.00 FOR SECTION NOTES



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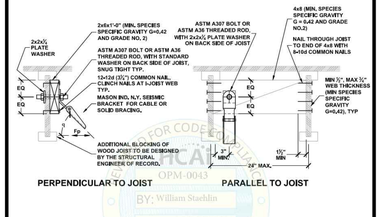
California SE No. S5270

PAGE M4.12



## SEISMIC BRACKET ATTACHMENT TO WOOD I-JOISTS WITH (1) THRU BOLT OR THREADED ROD




| BRACE BRACKET ATTACHMENT TYPE | ALLOWABLE LATERAL LOAD Fp LBS | MAX BRACE RANGE q | DIA. da INCH |
|---|---|---|---|
| 38A TO 38B | 150 | 30°-45° | ⅝ |
| 38A TO 38A | 89 | 46°-60° | |
| 50A TO 50C | 180 | 30°-45° | ½ |
| 50A TO 50A | 100 | 46°-60° | |
| 63A TO 63C | 210 | 30°-45° | ¾ |
| 63A TO 63A | 120 | 46°-60° | |

SEE DETAIL N0.00 FOR SECTION NOTES



**MASON WEST**
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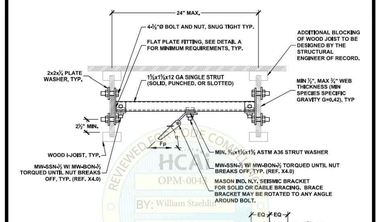
## SEISMIC BRACKET ATTACHMENT TO WOOD I-JOISTS




| BRACE BRACKET ATTACHMENT TYPE | ALLOWABLE LATERAL LOAD Fp LBS | MAX BRACE RANGE q |
|---|---|---|
| 50A TO 50E | 400 | 30°-45° |
| 50A TO 50E | 350 | 46°-60° |

SEE DETAIL N0.00 FOR SECTION NOTES



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## BRACE BRACKET DESIGNATION, ATTACHMENT AND SECTION NOTES

| BRACE ANCHOR SIZE | |
|---|---|
| DESIGNATION | DIAMETER (INCH) |
| 38 | ⅜ |
| 50 | ½ |
| 63 | ⅝ |
| 75 | ¾ |
| 88 | ⅞ |
| 100 | 1 |
| 125 | 1¼ |

| HORIZONTAL LOAD RATING | |
|---|---|
| DESIGNATION | MAXIMUM ALLOWABLE LOAD (LBS) |
| A | 75 |
| B | 125 |
| C | 175 |
| D | 250 |
| E | 350 |
| F | 450 |
| G | 575 |
| H | 700 |
| J | 850 |
| K | 1000 |
| L | 1250 |
| M | 1600 |
| N | 2000 |
| P | 2500 |
| Q | 3500 |
| R | 5000 |
| S | 7500 |
| T | 11000 |

NOTES:

1 - "N" SERIES PAGES ARE COMPRISED OF SEISMIC BRACE BRACKET ANCHORAGE CAPACITIES FOR VARIOUS TYPES OF ANCHORAGE CONDITIONS. EACH BRACE BRACKET ATTACHMENT TYPE IS DESIGNATED BY A SET OF NUMBERS AND A LETTER. THE NUMBERS REPRESENTS THE BRACE BRACKET ATTACHMENT SIZE (FOUND IN THE BRACE ANCHOR SIZE TABLE) AND THE LETTER REPRESENTS THE MAXIMUM ALLOWABLE HORIZONTAL LOAD CAPACITY (FOUND IN THE HORIZONTAL LOAD RATING TABLE).

LEGEND (HANGER ATTACHMENT TYPE)

##S
DENOTES BRACKET ANCHOR SIZE

##X
DENOTES HORIZONTAL LOAD RATING

EXAMPLE: 63L REPRESENTS BRACE BRACKET ANCHOR SIZE OF ¾"Ø WITH A MAXIMUM HORIZONTAL LOAD RATING OF 1,250 LBS.

2 - BRACE BRACKET ANCHORAGE ATTACHMENTS TO STRUCTURE MAY BE USED WITH ANY ONE OF "N" SERIES PAGES, PROVIDED BRACE BRACKET ATTACHMENT SIZE IS APPROPRIATE FOR THE APPLICATION AND THE ALLOWABLE HORIZONTAL LOAD CAPACITY IS MET.

3 - STRUCTURAL ENGINEER OF RECORD TO VERIFY ADEQUACY OF THE STRUCTURE FOR THE TABULATED LOADS.

4 - NOT USED.

5 - WHEN CONCRETE ANCHORS ARE INSTALLED AT THE BOTTOM OF THE CONCRETE FILLED METAL DECK, MINIMUM END DISTANCE AND SPACING REQUIREMENTS ARE ALONG FLUTE LENGTH ONLY.

6 - SEE X7.J AND X7.1 FOR STRUT MEMBER DATA.

7 - ALL CONCRETE FLAT SLABS, WALLS, AND BEAMS MUST HAVE A MINIMUM OF #4 BAR OR GREATER BETWEEN THE ANCHOR AND THE EDGE OF CONCRETE.

8 - ON PAGES N1.XX AND N2.XX, THE DESIGN PROFESSIONAL SHALL USE THE ALLOWABLE LATERAL LOADS UNDER OVERSTRENGTH FACTOR Ω0 =2.0 UNLESS THE LATERAL SUPPORT COMPLIES WITH ONE OF THE CONDITIONS LISTED IN ACI 318-14 CHAPTER 17, SECTION 17.2.3.4.3.

9 - POST-INSTALLED ANCHORS MAY BE INSTALLED A MINIMUM OF 3 BOLT DIAMETERS AWAY FROM ABANDONED HOLES, AND A MINIMUM OF 1.5 BOLT DIAMETERS FROM DRYPACK. MORTAR FILLED HOLES, DRYPACK MORTAR SHALL HAVE A COMPRESSIVE STRENGTH EQUAL TO OR GREATER THAN THE CONCRETE STRENGTH IN WHICH IT IS BEING USED.

10 - ALL HTHREAD RODS MUST BE MADE OF A36, A307 (GRADE A OR B), OF F1554 GR36 STEEL. ROD COUPLERS MUST CONFORM TO ASTM A563 STEEL WITH A MINIMUM OF 58 KSI TENSILE STRENGTH. MINIMUM ENGAGEMENT IN ROD COUPLER MUST BE EQUAL TO THE ATR DIAMETER.

11 - PER CBC SECTION 1909A.1.5, CONCRETE COMPRESSIVE STRENGTH, f'c, SHALL BE LIMITED TO 8,500 PSI MAX. BUT MAY BE INCREASED SUBJECT TO OSHPD REVIEW AND APPROVAL ON A PROJECT BY PROJECT BASIS.

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PAGE N0.00



## MASON WEST MW-SPC

MAXIMUM ALLOWABLE LOADS FOR MASON WEST MW-SPC PIPE CLAMPS FOR STEEL PIPING AND RIGID CONDUIT

| PART # | NOM. PIPE SIZE (INCH) | DESIGN LOADS (ASD) MAX VERTICAL LOAD ONLY [1] | MAX LATERAL LOADS [1] | | COMBINED MAX VERTICAL AND LATERAL LOAD [1,2] | | COMBINED MAX VERTICAL AND LATERAL LOAD [1,2] | |
|---|---|---|---|---|---|---|---|---|
| | | LOAD 1 (LBS) | LOAD 2 (LBS) | LOAD 3 (LBS) | LOAD 1 (LBS) | LOAD 2 (LBS) | LOAD 1 (LBS) | LOAD 3 (LBS) |
| SPC×30 | 1½ | 1210 | 350 | 420 | 40 | 340 | 40 | 410 |
| SPC×15 | 1½ | 1210 | 350 | 420 | 60 | 340 | 60 | 400 |
| SPC×20 | 2 | 1210 | 350 | 380 | 90 | 330 | 90 | 350 |
| SPC×25 | 2½ | 2460 | 500 | 850 | 140 | 470 | 140 | 810 |
| SPC×30 | 3 | 2460 | 500 | 800 | 200 | 460 | 200 | 740 |
| SPC×40 | 4 | 2460 | 440 | 730 | 360 | 370 | 360 | 630 |
| SPC×50 | 5 | 2460 | 440 | 850 | 550 | 340 | 550 | 660 |
| SPC×60 | 6 | 6730 | 740 | 1680 | 820 | 650 | 820 | 1470 |
| SPC×80 | 8 | 6730 | 740 | 1470 | 1440 | 580 | 1440 | 1150 |
| SPC×100 | 10 | 6730 | 450 | 1470 | 2210 | 300 | 2210 | 980 |
| SPC×120 | 12 | 6730 | 405 | 1440 | 3000 | 250 | 3000 | 800 |

MAXIMUM ALLOWABLE LOADS FOR MASON WEST MW-SPC PIPE CLAMPS FOR CAST IRON PIPING

| PART # | NOM. PIPE SIZE (INCH) | DESIGN LOADS (ASD) MAX VERTICAL LOAD ONLY [1] | MAX LATERAL LOADS [1] | | COMBINED MAX VERTICAL AND LATERAL LOAD [1,2] | | COMBINED MAX VERTICAL AND LATERAL LOAD [1,2] | |
|---|---|---|---|---|---|---|---|---|
| | | LOAD 1 (LBS) | LOAD 2 (LBS) | LOAD 3 (LBS) | LOAD 1 (LBS) | LOAD 2 (LBS) | LOAD 1 (LBS) | LOAD 3 (LBS) |
| SPC×20 | 2 | 1210 | 190 | 460 | 60 | 180 | 60 | 440 |
| SPC×30 | 3 | 2460 | 390 | 1500 | 100 | 380 | 100 | 960 |
| SPC×40 | 4 | 2460 | 420 | 830 | 150 | 390 | 150 | 780 |
| SPC×50 | 5 | 2460 | 420 | 930 | 200 | 395 | 200 | 850 |
| SPC×60 | 6 | 6730 | 730 | 1830 | 260 | 780 | 260 | 1760 |
| SPC×80 | 8 | 6730 | 780 | 1750 | 450 | 730 | 450 | 1630 |
| SPC×100 | 10 | 6730 | 420 | 1450 | 670 | 380 | 670 | 1340 |
| SPC×120 | 12 | 6730 | 420 | 1460 | 915 | 370 | 910 | 1260 |

1 - REFER TO PAGE X8.2 FOR LOAD DIRECTION, IDENTIFICATION, AND BALANCE OF INFORMATION.
2 - THE MAX COMBINED VERTICAL AND LATERAL LOADS MAY BE ADJUSTED FOR SPECIFIC GRAVITY SUPPORT SPACING IF THE FOLLOWING IS SATISFIED:
T/MAX LOAD 1) + L/(MAX LOAD 2) ≤ 1.0
OR
T/MAX LOAD 1) + L/(MAX LOAD 3) ≤ 1.0
T = MAX VERTICAL LOAD INCLUDING VERTICAL SEISMIC
$L_t$ = MAX TRANSVERSE LATERAL LOAD ONLY
$L_l$ = MAX LONGITUDINAL LATERAL LOAD ONLY



**SEE OPM-0043 FOR ADDITIONAL NOTES AND DETAILS**



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121911 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/06/2024



| MARK | DATE | DESCRIPTION |
|---|---|---|
| | 12/13/2023 | 100% CD DSA SUBMITTAL |

LICENSED ARCHITECT
GREGORY S. TETER
C35802
REN. 07/31/25
STATE OF CALIFORNIA

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

SELMA HIGH SCHOOL
SWIMMING POOL MODERNIZATION
3125 WRIGHT ST.
SELMA, CA. 93662

DRAWING TITLE
DETAILS

PROJECT NO.
02-12828.00

DRAWING
MR-7