MURRIETA VALLEY HS

POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562
MURRIETA VALLEY USD

DSA File No. 33-32
App. No. 04-123133
PTN. 75200-114

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TOTAL SHEET COUNT: 32

PROJECT DIRECTORY

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DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123133 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/22/2024

STUDIO W ARCHITECTS

Studio W Architects
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Sacramento, California 95811
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CODES AND REGULATIONS

APPLICABLE STATE CODES AND REGULATIONS WITH LATEST AMENDMENTS AND SUPPLEMENTS:

1. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR
2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 IBC & CALIFORNIA AMENDMENTS)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 UNIFORM MECHANICAL CODE & CALIFORNIA AMENDMENTS)
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 UNIFORM PLUMBING CODE & CALIFORNIA AMENDMENTS)
6. 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CBSC
7. 2022 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 CCR
8. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE & CALIFORNIA AMENDMENTS)
9. 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 INTERNATIONAL EXISTING BUILDING CODE & CALIFORNIA AMENDMENTS)
10. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE PART 11, TITLE 24
11. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR
12. TITLE 8 CCR, CH. 4, SUB-CH. 6 - ELEVATOR SAFETY ORDERS
13. TITLE 19 CCR, PUBLIC SAFETY, SFM REGULATIONS

APPLICABLE FEDERAL CODES AND STANDARDS:

14. AMERICANS WITH DISABILITIES ACT (ADA/CBC), TITLE 11
15. UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) or ADA/CBC STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

APPLICABLE REFERENCED STANDARDS:

16. NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED), 2022 EDITION
17. NFPA 24, PRIVATE FIRE MAINS (CA AMENDED), 2022 EDITION
18. NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED), 2022 EDITION
19. NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2022 EDITION
20. NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2018 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC CHAPTER 35 AND CFC CHAPTER 80. SEE CHAPTER 80 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA — DATE SIGNED: 03/18/2024	

GENERAL NOTES
1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
3. These plans and prints thereof, as instruments of service, are owned by the architect and are for use on this project only. Reproduction and/or distribution without the prior written consent of the architect is forbidden.
4. Copyright Studio W Associates, Inc. 2022.

REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
● DSA PLAN CHECK	03.18.2024
○ DSA BACK CHECK	
○ BIDDING	
○ CONSTRUCTION	

DEFERRED APPROVALS

NONE

ADD ALTERNATES

NONE

CALIFORNIA ENERGY CODE NOTES

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 AND 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.

DSA REQUIREMENTS

1. ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA.
3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS AFFECTING FLS, SSS, AND/OR ACS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR AND DSA IR A-6.
4. A DSA CERTIFIED CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
6. A COPY OF PART 1 TO PART 5 & 9 OF TITLE 24 SHALL BE KEPT AND BE AVAILABLE IN THE FIELD DURING CONSTRUCTION.
7. DSA SHALL BE NOTIFIED OF THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24, CCR
8. THE DIVISION OF THE STATE ARCHITECT IS EXEMPT FROM ARBITRATION OR MEDIATION PROCEDURES.
9. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT IS PER SECTION 4-334, PART 1, TITLE 24, CCR
10. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, CCR:
    - VERIFIED REPORTS PER SECT 4-336; PART 1, TITLE 24 CCR
    - DUTIES OF ARCHITECT PER SECT 4-331, 4-341; PART 1, TITLE 24 CCR
    - DUTIES OF CONTRACTOR PER SECT. 4-343; PART 1, TITLE 24
11. TESTING AND INSPECTION:
    - INSPECTOR APPROVED BY DSA AS PER SECT. 4-333(D); PART 1, TITLE 24, CCR
    - TESTS AND TESTING LABORATORIES PER SECT 4-335
    - SPECIAL INSPECTION PER SECT. 4-333(C)
12. CHANGES IN LEVEL FOR FLOOR FINISHES SHALL CONFORM WITH CBC SECTION 1124B.2 AND 1124B.3.
13. ALL TESTS TO CONFORM TO REQUIREMENTS OF SECTION 4-335; PART 1, TITLE 24, CCR
14. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335; PART 1, TITLE 24, CCR AND THE DISTRICT SHALL EMPLOY AND PAY THE DSA ACCEPTED LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
15. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(B).
16. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
17. INSPECTOR OF RECORD REQUIREMENTS:
    A. ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24; PART 1 AND IN ADDITION, SHALL BE STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-8.
    B. INSPECTOR SHALL BE CERTIFIED AS A CLASS 2 INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.
18. SUBSTITUTION OF PRODUCTS OR CONSTRUCTION PROCESSES WHICH AFFECT THE STRUCTURAL SAFETY, FIRE AND LIFE-SAFETY, OR ACCESSIBILITY OF THIS APPLCIATION SHALL BE SUBMITTED TO DSA AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT FOR REVIEW AND

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. 04-123133

File No. 33-32

[X] The drawings or sheets listed on the cover or index sheet (all A, CP, DP, E, and FP drawings)
[] This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

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 1. (Title 24, Part 1, Section 4-317 [b])

I find that:
[X] All drawings or sheets listed on the cover or index sheet
[ ] This drawing or page

[X] is/are in general conformance with the project design and
[X] has/have been coordinated with the project plans and specifications

Signature ______ Date 03.27.2024

Architect or Engineer designated to be in general responsible charge.

Brian P. Whitmore
Print Name

C 30345 — 09-30-2025
License Number — **Expiration Date**

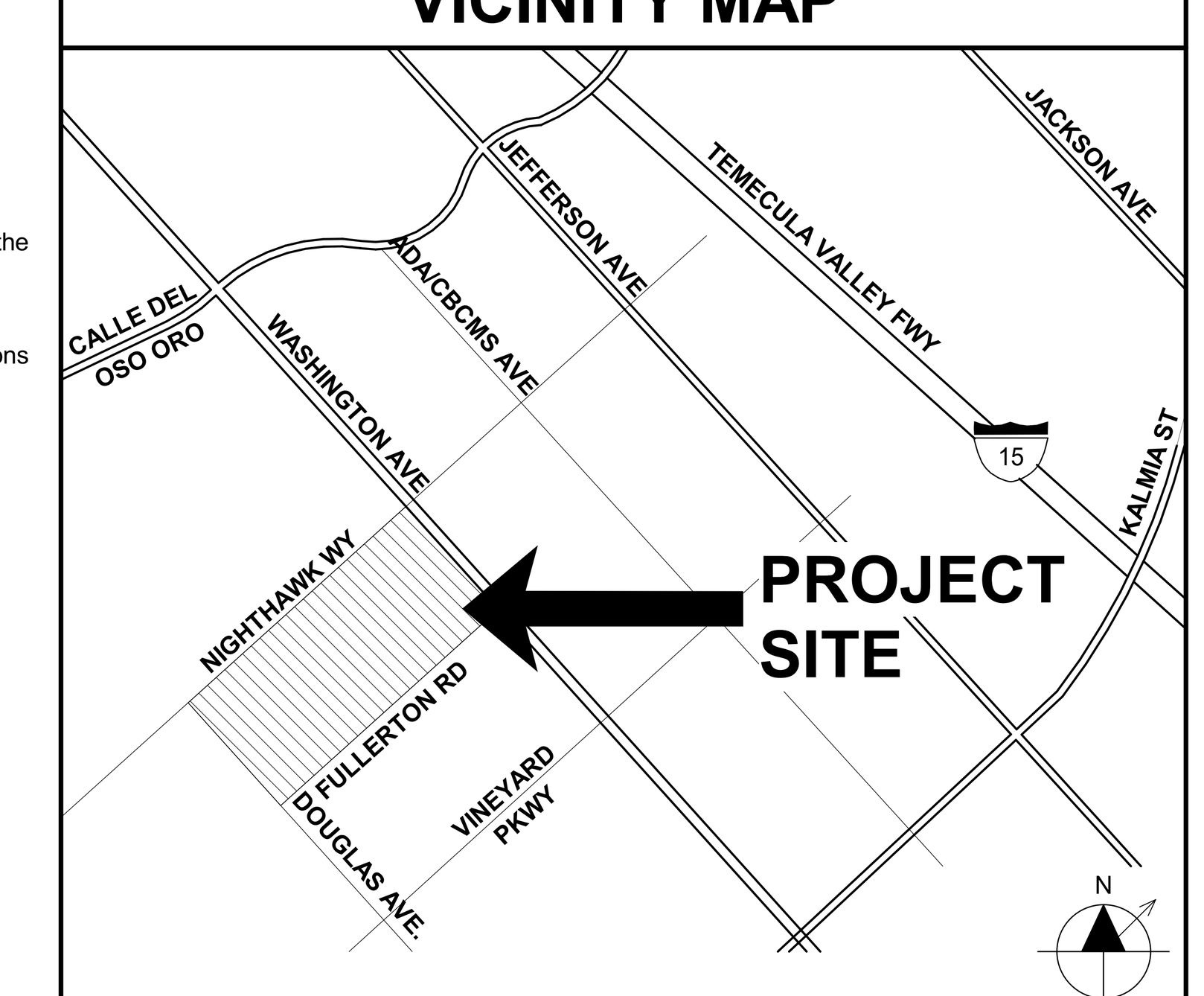
STATEMENT OF GENERAL CONFORMANCE AND SIGNATURE BLOCK PER IR A-18

PROJECT DESCRIPTION

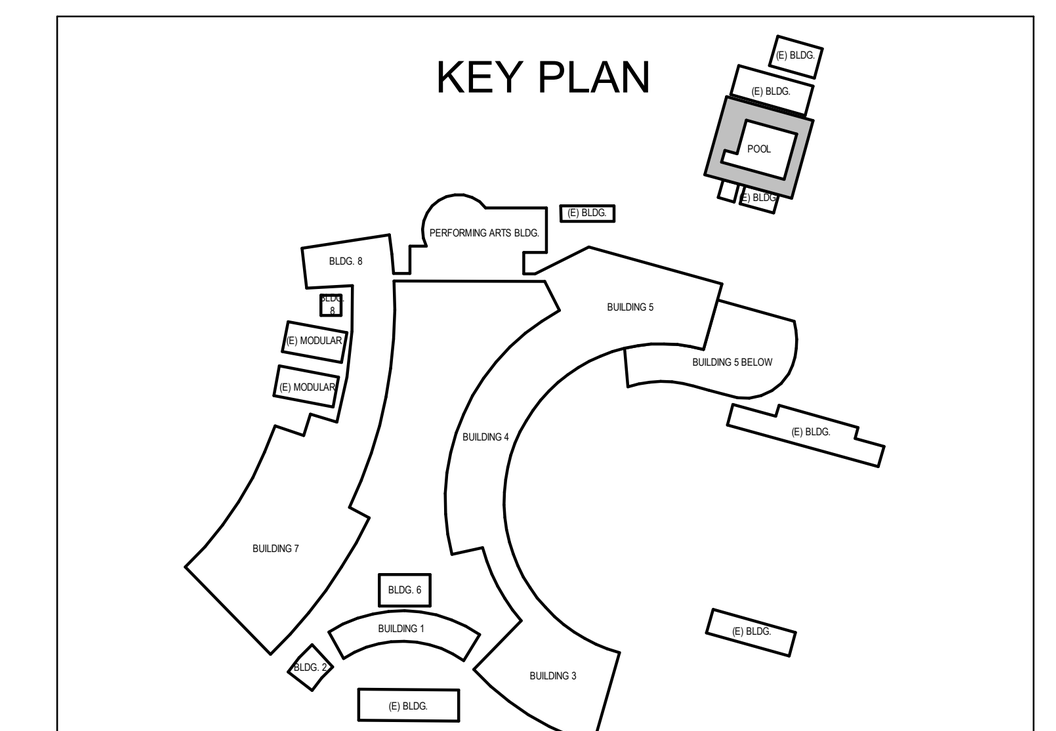
APN: 904-050-047

REPLASTER AND RETILE THE EXISTING POOL. REMOVED / REPLACE THE POOL DECK AND REPLACE SLOT DRAINS WITH COMPOSITE GRATING OVER TRENCH DRAIN. REPLACE EXISTING ADA/CBC POOL LIFT, STAIRS, RAILS, RECONFIGURE ADA/CBC SHOWER AND REPLACE TIMING SYSTEM. NEW POLE MOUNTED LIGHTING WITH INFRASTRUCTURE FOR CCTV AND SPEAKERS. VERIFICATION OF SITE LIGHTING AT PATH OF TRAVEL TO POOL. REPLACE EXISTING NON-COMPLIANT ORNAMENTAL ENTRY GATE AND FENCING. ALTERATION TO (E) POOL BUILDING, RELOCATION DOORS TO COMPLY WITH CURRENT CLEARANCE REQUIREMENTS.

VICINITY MAP



KEY PLAN



MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

COVER SHEET

Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A0.1
Drawn: Author	Checked: Checker

PRINT DATE: 7/24/2024 8:15:27 AM
FILE PATH: BIM 360://23071 MVUSD MVHS Pool Modernization/23071-MVHS Pool Modernization-A21.rvt

DRAWING DISCIPLINE PREFIX

A. ARCHITECTURAL
C. CIVIL
D. INTERIOR DESIGN / FURNITURE
E. ELECTRICAL
FA. FIRE ALARM
FP. FIRE PROTECTION / SPRINKLER SYSTEM
FS. FOOD SERVICE
L. LANDSCAPING
M. MECHANICAL
P. PLUMBING
S. STRUCTURAL
T. TECHNOLOGY

DRAWING INDEX CODE

A0. GENERAL INFORMATION
A1. SITE PLANS
A2. FLOOR PLANS
A3. REFLECTED CEILING PLANS
A4. ROOF PLANS
A5. EXTERIOR ELEVATIONS
A6. BUILDING SECTIONS
A7. ENLARGED PLANS
A8. INTERIOR ELEVATIONS
A9. SCHEDULES
A10. CONSTRUCTION DETAILS

DETAIL DRAWING CODE

A10.8.4

- DRAWING NUMBER
- DIVISION NUMBER PREFIX
- DRAWING INDEX NUMBER

THE DIVISION PREFIX NUMBERS ARE THOSE IDENTIFIED BY THE 48 DIVISION GROUPING SYSTEM OF MASTERFORMAT AS PUBLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI) AND SHALL NOT BE SOLELY REPRESENTATIVE OF REQUIREMENTS FOR ANY ONE DIVISION. THOSE DIVISIONS NOTED AS BEING OMITTED ARE NOT APPLICABLE OR ARE INCLUDED UNDER DISCIPLINE DRAWINGS.

IN CASE OF DISCREPANCY BETWEEN THE INDEX AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

DIVISION NUMBER CODE

MASTERFORMAT NUMBERS AND TITLES AS PUBLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI).

DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS
DIVISION 01 GENERAL REQUIREMENTS
DIVISION 02 EXISTING CONDITIONS
DIVISION 03 CONCRETE
DIVISION 04 MASONRY
DIVISION 05 METALS
DIVISION 06 WOODS, PLASTICS, AND COMPOSITES
DIVISION 07 THERMAL AND MOISTURE PROTECTION
DIVISION 08 OPENINGS
DIVISION 09 FINISHES
DIVISION 10 SPECIALTIES
DIVISION 11 EQUIPMENT
DIVISION 12 FURNISHINGS
DIVISION 13 SPECIAL CONSTRUCTION
DIVISION 14 CONVEYING EQUIPMENT
DIVISION 21 FIRE SUPPRESSION
DIVISION 22 PLUMBING
DIVISION 23 HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)
DIVISION 25 INTEGRATED AUTOMATION
DIVISION 26 ELECTRICAL
DIVISION 27 COMMUNICATIONS
DIVISION 28 ELECTRONIC SAFETY AND SECURITY
DIVISION 31 EARTHWORK
DIVISION 32 EXTERIOR IMPROVEMENTS
DIVISION 33 UTILITIES
DIVISION 34 TRANSPORTATION
DIVISION 35 WATERWAY AND MARINE CONSTRUCTION
DIVISION 40 PROCESS INTERCONNECTIONS
DIVISION 41 MATERIAL PROCESSING AND HANDLING EQUIPMENT
DIVISION 42 PROCESS HEATING, COOLING, AND DRYING EQUIPMENT
DIVISION 43 PROCESS GAS AND LIQUID HANDLING, PURIFICATION, AND STORAGE EQUIPMENT
DIVISION 44 POLLUTION AND WASTE CONTROL EQUIPMENT
DIVISION 45 INDUSTRY-SPECIFIC MANUFACTURING EQUIPMENT
DIVISION 46 WATER AND WASTEWATER EQUIPMENT
DIVISION 48 ELECTRICAL POWER GENERATION

GENERAL NOTES

1. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AND SHALL HAVE VISITED THE CONSTRUCTION SITE. HE SHALL BE FAMILIAR WITH THE CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE. BIDDERS SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS, REQUIRING WORK, WHICH ARE NOT COVERED IN THE CONTRACT DOCUMENTS.
2. THERE WILL BE NO SUBSTITUTION FOR SPECIFIED ITEMS WITHOUT PRIOR APPROVAL UNLESS OTHERWISE NOTED. REQUESTS FOR SUBSTITUTIONS SHALL BE MADE IN ACCORDANCE WITH GENERAL CONDITIONS & DIVISION 1
3. THE GENERAL BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED BY GOVERNING AGENCIES IN ORDER TO PERFORM THE WORK.
4. THE FINAL LOCATION OF ALL ELECTRICAL AND SIGNAL EQUIPMENT, PANEL BOARDS, FIXTURES, ETC., SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION.
5. DEFINITIONS
   A. "TYPICAL" MEANS IDENTICAL FOR ALL CONDITIONS, UNLESS OTHERWISE NOTED.
   B. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATIONS.
   C. "PROVIDE" MEANS TO FURNISH AND INSTALL.
   D. "FURNISH" MEANS TO FURNISH AND OTHERS WILL INSTALL.
6. DIMENSIONING RULES:
   A. ALL HORIZONTAL DIMENSIONS SHALL BE TO FACE OF STUD OR TO CENTERLINE OF COLUMN GRID LINE, U.O.N
   B. DIMENSIONS NOTED "CLEAR", "CLR", OR "MINIMUM" MUST BE PRECISELY MAINTAINED.
   C. DIMENSIONS CAN NOT BE MODIFIED WITHOUT APPROVAL OF THE ARCHITECT UNLESS OTHERWISE NOTED.
   D. VERTICAL DIMENSIONS ARE FROM TOP OF FLOOR SLAB UNLESS OTHERWISE NOTED.
   E. DO NOT SCALE DRAWINGS. IF ANY ITEM OF WORK CANNOT BE LOCATED, DO NOT PROCEED WITH THE WORK WITHOUT THE ARCHITECT'S APPROVAL.
   F. DIMENSIONS MARKED "V.I.F." OR "VERIFY" SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
   G. VERIFY ALL ROUGH OPENING DIMENSIONS FOR FABRICATED ITEMS WITH THE MANUFACTURER PRIOR TO PROCEEDING WITH CONSTRUCTION.
7. PROVIDE REQUIRED BACKING, BLOCKING, AND BRACING FOR ALL WALL - MOUNTED FIXTURES, ACCESSORIES AND EQUIPMENT.
8. VERIFY AND COORDINATE WALLS THAT MAY REQUIRE NON-TYPICAL THICKNESS OR FRAMING DUE TO ELECTRICAL, MECHANICAL, PLUMBING, STRUCTURAL AND/OR EQUIPMENT REQUIREMENTS.
9. ALL GLAZING SHALL CONFORM TO FEDERAL GLAZING REGULATIONS AND CHAPTER 24, CBC.
10. ALL CONTRACTORS SHALL REMOVE TRASH AND DEBRIS STEMMING FROM THEIR WORK ON A DAILY BASIS. PROJECT SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDITION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFT-OVER MATERIALS, DEBRIS, TOOLS AND EQUIPMENT INVOLVED IN HIS OPERATIONS AT THE CONCLUSION OF THE INSTALLATION. HE SHALL LEAVE ALL AREAS CLEAN AND FREE FROM DUST.
12. HAZARDOUS MATERIALS: THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, DISPOSAL OF OR EXPOSURE OF PERSONS TO ASBESTOS OR HAZARDOUS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. PROFESSIONAL SERVICES RELATED OR IN ANY WAY CONNECTED WITH THE INVESTIGATION, DETECTION, ABATEMENT, REPLACEMENT, USE, SPECIFICATION, OR REMOVAL OF PRODUCTS, MATERIALS, OR PROCESSES CONTAINING ASBESTOS OR HAZARDOUS OR TOXIC MATERIALS ARE BEYOND THE SCOPE OF THIS AGREEMENT.
13. THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF NEW WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN ON THE DRAWING ARE APPROXIMATE ROUTING LOCATION AS BEST DETERMINED FROM EXISTING DRAWINGS AND THE SCHOOL DISTRICT, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL THE EXISTING UNDERGROUND UTILITIES.
14. ALL TEMPORARY WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
15. ALL WALL PENETRATIONS TO EXTERIOR WALLS SHALL BE SEALED AIR/WATER TIGHT. ALL INTERIOR PENETRATIONS SHALL BE SEALED TO PROVIDE A PROFESSIONAL AND FINISHED APPEARANCE.
16. THE DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO SHOW OR LIST EVERY ITEM TO BE PROVIDED, BUT RATHER TO DEFINE THE REQUIREMENTS FOR A FULL AND WORKING SYSTEM FROM THE STANDPOINT OF THE END USER. FOR THIS REASON, WHEN AN ITEM NOT SHOWN OR LISTED IS CLEARLY NECESSARY FOR PROPER USE CONTROL/ OPERATION OF EQUIPMENT WHICH IS SHOWN OR LISTED, PROVIDE ALL ITEMS WHICH WILL ALLOW THE SYSTEM TO FUNCTION PROPERLY AT NO INCREASE IN CONTRACT PRICE OR TIME.
17. THE DETAILS REFLECT THE DESIGN INTENT FOR TYPICAL CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND SHALL INCLUDE, IN HIS SCOPE. THE COST FOR COMPLETE FINISHED INSTALLATIONS, INCLUDING ANOMALIES, OF ALL TRADES.
18. ALL WORK SHALL CONFORM TO CALIFORNIA CODES, TRADE STANDARDS WHICH GOVERN EACH PHASE OF THE PROJECT, AND ALL APPLICABLE STATE CODES AND AUTHORITIES HAVING JURISDICTION.
19. THIS DRAWING SET SHALL BE USED IN CONJUNCTION WITH THE CSI FORMAT PROJECT MANUAL PUBLISHED IN BOOK FORM, COMBINED, THEY ARE THE "CONTRACT DOCUMENTS".
20. NO WORK SHALL COMMENCE WITH UNAPPROVED MATERIALS. ANY WORK DONE WITH UNAPPROVED MATERIALS AND EQUIPMENT IS AT THE CONTRACTOR'S RISK. SEE SPECIFICATIONS FOR SUBMITTAL AND SUBSTITUTION REQUIREMENTS.
21. CONSTRUCTION MATERIAL STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE OR DETERIORATION. FAILURE IN THIS REGARD MAY BE CAUSE FOR REJECTION OF MATERIAL AND/OR WORK. SECURITY OF MATERIALS ARE THE SOLE RESPONSIBILITY OF CONTRACTOR.
22. ALL EQUIPMENT/CABINETS SHALL BE FABRICATED FROM FIELD VERIFIED DIMENSIONS AND APPROVED SHOP DRAWINGS. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT WITH THIS WORK.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE AND COSTS ATTRIBUTED TO RAIN WATER DAMAGE DURING THE DURATION OF THIS PROJECT.
24. PROTECT AREAS FROM DAMAGE WHICH MAY OCCUR DUE TO TEMPERATURES, WIND, DUST, WATER, ETC. PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC., AS REQUIRED DURING CONSTRUCTION.
25. MAINTAIN EXISTING PEDESTRIAN ACCESS ALONG EXISTING ADJACENT STREETS.
26. ALL PUBLIC IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST ADOPTED CITY/COUNTY STANDARDS.
27. ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE.
28. NOTIFY THE ARCHITECT IN WRITING AND SEEK CLARIFICATION IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND. CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIAL WORK IF RELATED WORK IS CONTINUED AFTER A DISCREPANCY IS IDENTIFIED.
29. NEW FINISHES AND CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR FROM POTENTIAL DAMAGE CAUSED BY CONSTRUCTION ACTIVITY. DAMAGE TO FINISHES OR CONSTRUCTION SHALL BE REPAIRED OR REPLACED (OWNER'S DECISION) BY THE CONTRACTOR WITH IDENTICAL MATERIAL AND/OR FINISHES. CONTRACTOR SHALL MAKE AND MAINTAIN A PHOTOGRAPHIC RECORD NOTEBOOK WITH DATED/INDEXED PHOTOGRAPHS.
30. SEE ELECTRICAL DRAWINGS FOR INFORMATION RELATED TO TELECOMMUNICATION EQUIPMENT, POWER, AND LIGHTING FIXTURES AND EQUIPMENT. SEE ARCHITECTURAL PLANS, REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS FOR COORDINATED EQUIPMENT LOCATIONS. IF NOT SHOWN, CONTACT ARCHITECT FOR REVIEW AND DECISION.
31. PROVIDE ACCESS DOORS REQUIRED FOR ACCESS TO CONCEALED MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.
32. ALL NOTED WORK IS UNDERSTOOD TO BE NEW, UNLESS LABELED AS "(E)" OR "EXISTING".
33. CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPMENT AND OR PERSONNEL

SUPPLEMENTAL GENERAL NOTES

1. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.
3. THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF STUDIO W ARCHITECTS, AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STUDIO W ARCHITECTS.
4. EACH BIDDER SHALL POSSESS AT THE TIME OF BID, A CLASS B OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.
5. FIRE SAFETY DURING CONSTRUCTION & DEMOLITION:
   A. GENERAL: FIRE SAFETY DURING CONSTRUCTION & DEMOLITION SHALL COMPLY WITH 2022 CALIFORNIA FIRE CODE (CFC) CH. 33 (PART 9, TITLE 24 CCR)
   B. CONSTRUCTION SAFEGUARDS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC 3302.
   C. DEMOLITION: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC 3303.
   D. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES PER CBC 3308.1.
   E. MEANS OF EGRESS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC 3310.
   F. WATER SUPPLY: APPROVED WATER SUPPLY SHALL BE MADE AVAILABLE IN ACCORDANCE WITH CBC 3313.
   G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL PER CBC 3314.
6. PENETRATIONS IN FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.
7. NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):
   A. THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDINGS WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED THEY ARE BUILT ACCORDING TO THESE DRAWINGS AND SPECIFICATIONS AND PROVIDED ANY FUTURE IMPROVEMENTS ARE COMPLETED ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO INCLUDE ALL SIGNIFICANT ENERGY CONSERVATION FEATURES REQUIRED FOR COMPLIANCE WITH THE STANDARDS. BUILDING AREAS THAT ARE UNCONDITIONED AND/OR NOT SUBJECT TO THE STANDARDS ARE INDICATED ON THE DRAWINGS.
   B. ENVELOPE MANDATORY MEASURES:
      A. INSTALLED INSULATING MATERIALS SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL.
      B. ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, SECTIONS 719
      C. ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED.
      D. SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL BE CAULKED BETWEEN THE UNIT AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS).
      E. MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS, SECTION 116(a)1.
      F. MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING, INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE IN ACCORDANCE WITH THE (NFRC) NATIONAL FENESTRATION RATING COUNCIL'S INTERIM U-VALUE RATING PROCEDURE.
      G. DEMISING WALL INSULATION SHALL BE INSTALLED IN ALL OPAQUE PORTIONS OF FRAMED WALLS (EXCEPT DOORS).
8. PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS:
   A. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE CATEGORY AND TO THE ANCHOR OUTSIDE DIAMETER FOR THE SLEEVE CATEGORY.
   B. APPLY PROOF TEST LOADS TO WEDGE & SLEEVE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY LOAD.
   C. FOR SLEEVE INTERNALLY THREADED CATEGORIES, VERIFY THAT THE ANCHOR IS NOT PREVENTED FROM WITHDRAWING BY A BASEPLATE OR OTHER FIXTURES. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE FIXTURE(S) PRIOR TO TESTING.
   D. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
   E. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
   F. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
      1. HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE AND SLEEVE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE. DROP-IN ANCHORS ARE ONLY TO BE TESTED WITH THIS METHOD.
      2. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS: WEDGE OR SLEEVE TYPE: ONE-HALF (1/2) TURN OF THE NUT. ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8 IN. SLEEVE ANCHOR ONLY.
   G. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.
   H. ALL ANCHOR BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT ALLOWED BY THE TYPE OF SUBSTRATE AND DIAMETER OF BOLT LISTED BELOW UNDER TEST VALUES TABLE) PROOF TESTED IN TENSION TO TWICE THE ALLOWABLE TENSION LOAD. IF THERE ARE ANY FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST THEN ALSO BE TESTED. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH TITLE 24, PART 2, SECTION 1910A.5, "TESTS FOR POST-INSTALLED ANCHORS IN CONCRETE."
   I. ALL BOLTS MUST HAVE ICC APPROVAL.
   J. ALL ANCHOR BOLTS OF THE EXPANSION TYPE SHALL BE ONE OF THE FOLLOWING:
      1. HILTI KB-TZ2 ANCHOR ICC NO. ESR 4266

MINIMUM TEST VALUES			
NORMAL WEIGHT OR LIGHTWEIGHT CONCRETE			
ANCHOR	WEDGE		
DIA. (IN)	TENSION LOAD (LBS)	TORQUE (FT-LBS)	EFFECTIVE MIN. EMBEDMENT
3/8	6,490	30	1 1/2" - 2 1/2"
1/2	11,240	50	1 1/2" - 3 1/4"
5/8	17,535	40	2 3/4" - 4"
3/4	25,335	110	3 1/4" - 4 3/4"

9. POWDER-DRIVEN CONCRETE FASTENERS:
   A. GENERAL: USE OF POWDER DRIVEN CONCRETE FASTENERS FOR TENSION LOADS IS LIMITED TO SUPPORT OF MINOR LOADS LIKE ACOUSTICAL CEILINGS, DUCT WORK, CONDUIT.
   B. ALLOWABLE LOADS: IN GENERAL, LOADS SHOULD BE LIMITED TO LESS THAN 100 POUNDS. HOWEVER GREATER LOADS MAY BE PERMITTED FOR SPECIAL CASES WHEN APPROVED BY THE CHECKING SUPERVISOR OR FIELD ENGINEER.
   C. TESTING: THE OPERATOR, TOOL, AND FASTENER SHALL BE PREQUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. A TEST "PULL-OUT" LOAD OF NOT LESS THAN TWICE THE DESIGN LOAD, OR 200 POUNDS, WHICHEVER IS GREATER, SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN 10 PINS, EXCEPT THAT WHEN THE DESIGN LOAD EXCEEDS 100 POUNDS, ONE HALF OF THE PINS SHALL BE TESTED. SHOULD FAILURE OCCUR ON ANY PIN TESTED, ALL INSTALLATIONS MUST BE TESTED AND UNFAIR PINS REPLACED.
   D. ALL POWDER DRIVEN CONCRETE FASTENERS SHALL BE ONE OF THE FOLLOWING: HILTI, INC.
      1. 0.145 DIA. PAF X-CR INTO STEEL BASE MATERIAL - ICC NO. ESR 1663
      2. 0.138 DIA. PAF X-CR INTO CONCRETE BASE MATERIAL - ICC NO. ESR 1663

(E) POST-INSTALLED ANCHORS TESTING PLAN

1. THE FOLLOWING INFORMATION & TESTS ARE FOR HILTI POST-INSTALLED WEDGE ANCHORS AS DESIGNATED BY AS-BUILTS. WHERE ACTUAL INSTALLED ANCHORS DIFFER FROM SIMPSON WEDGE ANCHORS, THE ARCHITECT OR PROJECT INSPECTOR SHALL BE NOTIFIED IMMEDIATELY.
2. TESTS FOR POST-INSTALLED ANCHORS IN HARDENED CONCRETE SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A, SECTION 1910A.5.
3. POST-INSTALLED ANCHOR INSTALLATION SHALL BE INSPECTED BY A SPECIAL INSPECTOR SPECIFICALLY APPROVED BY THE ENFORCEMENT AGENCY FOR THAT PURPOSE.
4. POST-INSTALLED ANCHOR TESTING SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.
5. TEST QUANTITY OF POST-INSTALLED ANCHORS AS NOTED BELOW:

   APPLICATION — QUANTITY
   STRUCTURAL — 100% OF BOLTS
   NON-STRUCTURAL (EQUIP. ANCHORAGE, ETC.) — 50% OF BOLTS
6. IF ANY ANCHOR FAILS TESTING, THE ARCHITECT OR PROJECT INSPECTOR SHALL BE NOTIFIED IMMEDIATELY PRIOR TO CONTRACTOR RESUMING TESTING ON THE SAME CATEGORY.
7. TORQUE TESTING SHALL BE APPLIED BY CALIBRATED WRENCH.
8. THE FOLLOWING CRITERIA SHALL APPLY FOR THE ACCEPTANCE OF INSTALLED POST-INSTALLED ANCHORS:

A. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE ATTAINED WITHIN ONE-HALF (1/2) TURN OF THE NUT. SLEEVE ANCHORS 3/8 INCH DIAMETER OR LESS MUST ATTAIN THE SPECIFIED TEST TORQUE WITHIN ONE-QUARTER (1/4) TURN OF THE NUT, AND THREADED ANCHORS MUST ATTAIN THE SPECIFIED TEST TORQUE WITHIN ONE-QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.

9. TEST LOADS - HILTI KWIK BOLT I TORQUE TESTS (1)(2)(3)

TORQUE TEST VALUES - EXPANSION ANCHORS			
NORMAL WEIGHT CONCRETE			
DIA. (IN)	ANCHOR DEPTH (INCHES)	REQ'D ANCHOR DEPTH (INCHES NOMINAL)	TORQUE (FT-LBS)
3/8	2	2 1/2	20
1/2	2	2 1/2	40
	3 1/4	3 3/4	40
5/8	3 1/4	3 3/4	60
	4	4 1/2	60
3/4	3 3/4	4 1/2	110
	4 3/4	5 1/2	110

(1) TEST VALUES ARE BASED ON KWIK BOLT 1 (KB-1) EXPANSION ANCHORS BY HILTI, INC. (IAPMO EVALUATION REPORT NUMBER 678).

(2) TEST VALUES ARE BASED ON CARBON STEEL ANCHORS.

(3) NORMAL-WEIGHT CONCRETE, MINIMUM STRENGTH OF CONCRETE SHALL BE 2,500 PSI AT 28 DAYS.

11. TEST LOADS - HILTI KWIK BOLT II TORQUE TESTS (1)(2)(3)

ANCHOR SIZE	EMBEDMENT (4) / TEST LOAD (FOOT-POUNDS)	
	MIN. EMBEDMENT	STD. EMBEDMENT
1/4"	1 1/8" / 4	2" / 7
3/8"	1 3/8" / 20	2 1/2" / 25
1/2"	2 1/4" / 75	3 1/2" / 45
5/8"	2 3/4" / 75	4" / 95
3/4"	3 1/4" / 150	4 3/4" / 225
1"	4 1/2" / 200	6" / 325

(1) TEST VALUES ARE BASED ON KWIK BOLT II (KB-II) EXPANSION ANCHORS BY HILTI, INC. (IBCO EVALUATION REPORT NUMBER ER-4627).

(2) TEST VALUES ARE BASED ON CARBON STEEL ANCHORS.

(3) NORMAL-WEIGHT CONCRETE. MINIMUM STRENGTH OF CONCRETE SHALL BE 3,000 PSI AT 28 DAYS.

(4) FOR EMBEDMENT GREATER THAN STANDARD EMBEDMENT, USE TEST LOADS NOTED FOR STANDARD EMBEDMENT.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123133 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/22/2024

STUDIO W ARCHITECTS

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA DATE SIGNED: 03/18/2024	

GENERAL NOTES

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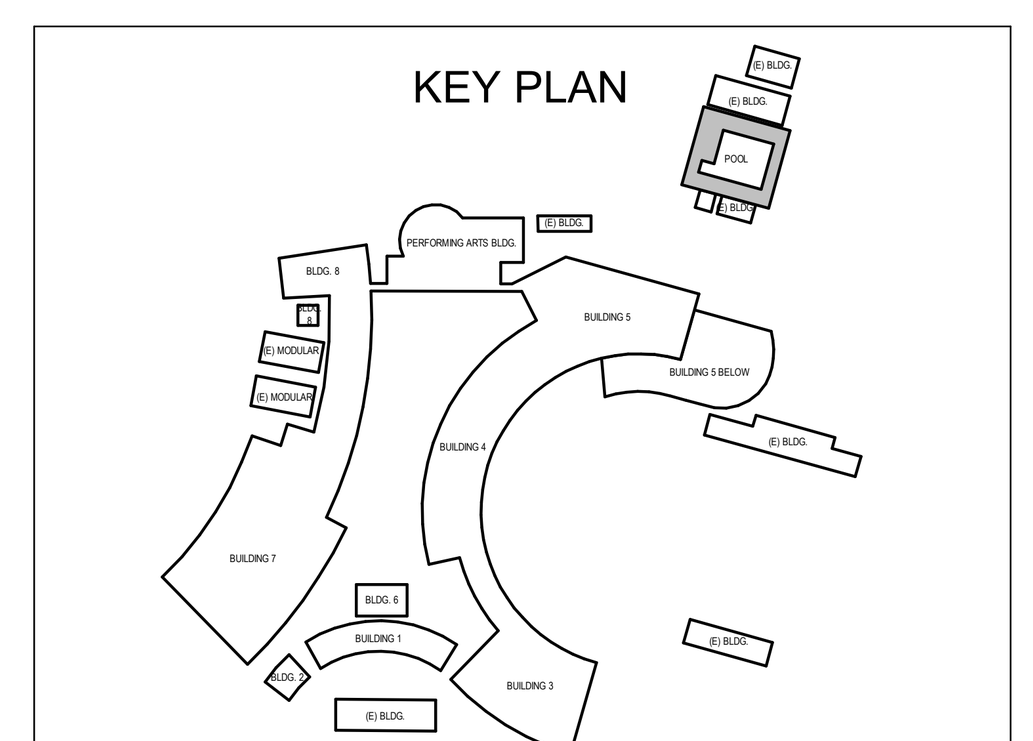
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
● DSA PLAN CHECK	03.18.2024
○ DSA BACK CHECK	
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

GENERAL NOTES

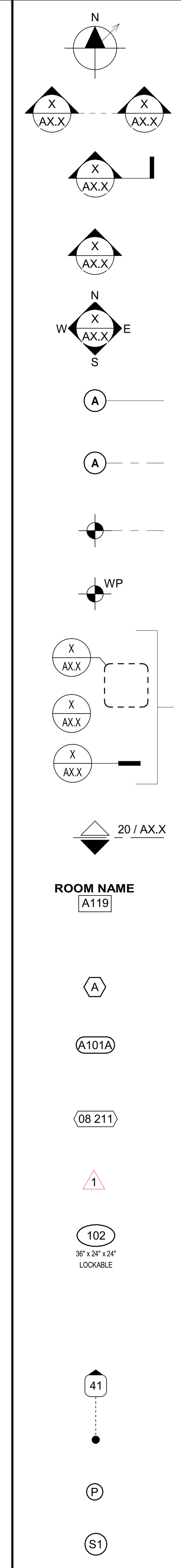
Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A0.2
Drawn: Author	Checked: Checker

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ARCHITECTURAL DRAWING ABBREVIATIONS

#	POUND OR NUMBER
&	AND
*	ITEMS IDENTIFIED AS "NIC" ARE NOT PART OF THIS DSA APPROVAL
2X	NOMINAL LUMBER SIZE (4X, 6X, 8X, ETC.)
@	AT
⊥	PERPENDICULAR
A	
A/C	AIR CONDITIONING
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABAN	ABANDON
ABC	AGGREGATE BASE COURSE
ABV	ABOVE
AC	ASPHALTIC CONCRETE
ACC	ACCESS(IBLE)
ACP	ALUMINUM COMPOSITE PANEL
ACST	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADDM	ADDENDUM
ADH	ADHESIVE
ADJ	ADJUSTABLE
ADJC	ADJACENT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ALS	ASSISTED LISTENING SYSTEM
ALT	ALTERNATE
ALUM./AL.	ALUMINUM
ANC	ANCHOR, ANCHORAGE
APLD	APPLIED
APPRX	APPROXIMATELY
ARCH	ARCHITECT(URAL)
ASC	ABOVE SUSPENDED CEILING
ASF	ABOVE STAGE FINISH
ASPH	ASPHALT
ASSY	ASSEMBLY
ASYM	ASYMMETRICAL
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
B	
B	BOLT
BC	BACK OF CURB
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BLW CLG	BELOW CEILING
BLW FFLR	BELOW FINISH FLOOR
BM	BENCH MARK
BN	BOUNDARY NAILING
BO	BOTTOM OF
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BRS	BRASS
BRZ	BRONZE
BS	BOTH SIDES
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
BW	BOTH WAYS
C	
C&G	CURB AND GUTTER
CAB	CABINET
CAD	CADMIUM
CB	CATCH BASIN
CBB	CEMENTITIOUS BACKER BOARD
CBC	CALIFORNIA BUILDING CODE
CEM	CEMENT
CER	CERAMIC
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFLG	COUNTERFLASHING
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CG	CORNER GUARD
CHBD	CHALKBOARD
CHFR	CHAMFER
CI	CAST IRON
CIP	CAST IN PLACE
CIR	CIRCLE
CIRC	CIRCULAR, CIRCUMFERENCE
CJ	CONSTRUCTION JOINT
CL	CHAIN LINK OR CENTER LINE
CLG	CEILING
CLJ	CONTROL JOINT
CLKG	CAULKING
CLL	CONTRACT LIMIT LINE
CLOS	CLOSURE
CLR	CLEAR(ANCE)
CLRM	CLASSROOM
CMP	CORRUGATED METAL PANEL
CMPST	COMPOSITION
CMU	CONCRETE MASONARY UNIT
CNCL	CONCEALED
CNR	CORNER
CNTR	COUNTER
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMP	COMPOSITE
COMPT	COMPARTMENT
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS, CONTINUATION
CONTR	CONTRACT(OR)
COORD	COORDINATE
CORR	CORRIDOR
CPR	COPPER
CPRS	COMPRESS(ED), (ION), (IBLE)
CPT	CARPET
CRS	COLD ROLLED STEEL
CS	CAST STONE
CSG	CASING
CSK	COUNTERSUNK
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTG	COATING
CTR	CENTER
CUFT	CUBIC FOOT
CUIN	CUBIC INCH
CUST	CUSTODIAN
CUYD	CUBIC YARD
CW	CURTAIN WALL
D	
D	DRAIN
d.	PENNYWEIGHT (NAILS)
DA	DOUBLE ACTING
DBL	DOUBLE
DEG	DEGREES
DEMO	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DMPF	DAMPPROOFING
DMT	DEMOUNTABLE
DN	DOWN
DR	DOOR
DRB	DRAINBOARD
DRLV	DOOR LOUVER
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DT	DRAIN TILE
DVTL	DOVETAIL
DW	DISHWASHER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER
E	
(E)	EXISTING
E	EAST
EA	EACH
EAR	EXHAUST AIR REGISTER
EB	EXPANSION BOLT
EE	EACH END
EF	EACH FACE
EFS	EXTERIOR FINISH SYSTEM
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EM	EXPANDED METAL
EMER	EMERGENCY
EN	EDGE NAILING
ENCL	ENCLOSE(URE)
ENGR	ENGINEER
ENTR	ENTRANCE
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	ESCUTCHEON
ESCL	ESCALATOR
ESMT	EASEMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWS	EYE WASH STATION
EXC	EXCAVATE
EXH	EXHAUST
EXP	EXPOSED
EXPN	EXPANSION
EXS	EXTRA STRONG
EXT	EXTERIOR
F	
(F)	FUTURE
F/F	FACE TO FACE
FA	FIRE ALARM
FAB	FABRIC
FBD	FIBERBOARD
FBRK	FIRE BRICK
FCBRK	FACE BRICK
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FFEL	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FGL	FIBERGLASS
FHC	FIRE HOUSE CABINET
FHMB	FLAT HEAD MACHINE BOLT
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLATHEAD WOOD SCREW
FIN	FINISH(ED)
FJT	FLUSH JOINT
FLASH	FLASHING
FLDG	FOLDING
FLG	FLOORING
FLR	FLOOR
FLUOR	FLUORESCENT
FN	FIELD NAILING
FOB	FACE OF BLOCK
FOC	FACE OF CONCRETE/CURB
FOF	FACE OF FINISH
FOG	FACE OF GRID
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FPL	FIREPLACE
FPRF	FIREPROOF(ING)
FR	FRAME(D), (ING)
FRG	FIBERGLASS REINFORCED GYPSUM
FRP	FIBERGLASS REINFORCED PLASTIC
FRTW	FIRE RETARDANT TREATED WOOD
FRZ	FREEZER
FS	FIRE SPRINKLER
FS	FAR SIDE
FSTN	FASTEN, FASTENER
FT	FOOT/FEET
FTG	FOOTING
FURG	FURRED, (ING)
FWC	FABRIC WALL COVERING
G	
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS
GLULAM	GLUE LAMINATED
GLZ	GLAZING
GLZCMU	GLAZED CONRETE MASONRY UNIT
GND	GROUND
GPC	GYPSUM PLASTER CEILING
GR	GRADE
GRBM	GRADE BEAM
GRLN	GRADE LINE
GSB	GYPSUM SHEATHING BOARD
GSM	GALVANIZED SHEET METAL
GSS	GALVANIZED STEEL SHEET
GST	GLAZED STRUCTURAL TILE
GT	GROUT
GVL	GRAVEL
GYP	GYPSUM
GYP BD	GYPSUM BOARD
H	
HB	HOSE BIB
HC	HOLLOW CORE
HD	HEAVY DUTY
HDAS	HEADED ANCHOR STUD
HDJT	HEAD JOINT
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HEX	HEXAGONAL
HGR	HANGER
HLDN	HOLD DOWN
HM	HOLLOW METAL
HMD	HOLOW METAL DOOR
HMDF	HOLLOW METAL DOOR AND FRAME
HMF	HOLLOW METAL FRAME
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HWH	HOT WATER HEATER
I	
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSTL	INSTALL
INSUL	INSULATE(D), (ION)
INT	INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
J	
JAN	JANITOR
JST	JOIST
JT	JOINT
K	
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE
L	
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE
LAV	LAVATORY
LB(S)	POUND(S)
LBL	LABEL
LBR	LUMBER
LDR	LEADER
LF	LINEAL FOOT
LG	LENGTH, LONG
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LKNT	LOCKNUT
LKR	LOCKER
LKWASH	LOCKWASHER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMST	LIMSTONE
LNSCP	LANDSCAPE(D)
LNTL	LINTEL
LP	LIGHTPROOF
LPT	LOW POINT
LT	LIGHT
LTWT	LIGHTWEIGHT
LV	LOUVER VENT
LVL	LEVEL(ER)
LWC	LIGHTWEIGHT CONCRETE
LWIC	LIGHTWEIGHT INSULATING CONCRETE
M	
MAINT	MAINTAIN(ANCE)
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MEMBER
MC	MEDICINE CABINET
MCB	METAL CORNER BEAD
MDO	MEDIUM DENSITY OVERLAID
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFD	METAL FLOOR DECKING
MFR	MANUFACTUR(ER)
MH	MANHOLE
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
ML	METAL LATH
MLDG	MOLDING
MLWK	MILLWORK
MO	MASONRY OPENING
MOD	MODULE(AR)
MR	MOISTURE RESISTANT
MRB	MARBLE
MRD	METAL ROOF DECKING
MS	MACHINE SCREW
MTD	MOUNTED
MTL	METAL
MTR	MORTAR
MULL	MULLION
N	
(N)	NEW
N	NORTH
NAT	NATURAL
NCOMBL	NONCOMBUSTIBLE
NE	NOT EXCEEDING
NF	NEAR FACE
NIC	NOT IN CONTRACT
NLB	NON-LOAD BEARING
NM	NONMETALLIC
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NRCA	NATIONAL ROOFING CONTRACTOR'S ASSOCIATION
NS	NEAR SIDE
NTS	NOT TO SCALE
O	
O/	OVER
O/O	OUT TO OUT
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OCC	OCCUPANTS OR OCCUPANCY
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED OWNER INSTALLED
OFS	OUTSIDE FACE OF STUD
OHMS	OVALHEAD MACHINE SCREW
OHWS	OVALHEAD WOOD SCREW
OI	OWNER INSTALLED
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPQ	OPAQUE
OPR	OPERABLE
ORD	OVERFLOW ROOF DRAIN
OSB	ORIENTED STRAND BOARD
OVFL	OVERFLOW
OVHD	OVERHEAD
P	
P	PAINT
PA	PUBLIC ADDRESS
PAR	PARALLEL
PAT	PATTERN
PB	PANIC BAR
PBD	PARTICLE BOARD
PC	PORTLAND CEMENT
PCC	PRECAST CONCRETE
PCP	PORTLAND CEMENT PLASTER
PED	PEDESTAL
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PGBD	PEGBOARD
PH	PHASE
PHS	PHILLIPS HEAD SCREW
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PM	PRESSED METAL
PMF	PRESSED METAL FRAME
PNEU	PNEUMATIC
PNL	PANEL
PNT	PAINT(ED)
POL	POLISHED
POLY	POLYETHYLENE
PORC	PORCELAIN
PORT	PORTABLE
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREFMD	PREFORMED
PRKG	PARKING
PRML	PREMOLDED
PROJ	PROJECT
PROP	PROPERTY
PSCONC	PRESTRESSED CONCRETE
PT	POINT
PTD	PAPER TOWEL DISPENSER
PTDF	PRESSURE TREATED DOUGLAS FIR
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PVG	PAVE(D), (ING)
PVMT	PAVEMENT
Q	
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTF	QUARRY TILE FLOOR
QTR	QUARTER
QTY	QUANTITY
R	
R	RISER
RA	RETURN AIR
RAB	RABBET
RAD	RADIUS
RB	RESILIENT BASE
RBR	RUBBER
RCP	REINFORCED CONCRETE PIPE
RCVR	RECEIVER
RD	ROOF DRAIN
RDWY	ROADWAY
REBAR	REINFORCING STEEL BARS
REC	RECESSED
RECT	RECTANGULAR
RECYL	RECYCLING
REF	REFERENCE
REFL	REFLECT(ED), (IVE), (OR)
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED
REM	REMOVE(ABLE)
REP	REPAIR
REPL	REPLACE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISION(S), REVISED
RF	RESILIENT FLOORING
RFG	ROOFING
RFH	ROOF HATCH
RGDINS	RIGID INSULATION
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RR	RESTROOM
RS	ROUGH SAWN
RTF	RUBBER TILE FLOORING
RTU	ROOF TOP UNIT
RV	ROOF VENT
RVL	REVEAL
RVS	REVERSE (SIDE)
RVT	RIVET(ED)
RWD	REDWOOD
RWL	RAIN WATER LEADER
S	
S	SOUTH
S2S	SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SA	SUPPLY AIR
SALV	SALVAGE
SAM	SELF-ADHERED MEMBRANE
SAT	SUSPENDED ACOUSTICAL TILE
SB	SPLASH BLOCK
SBSTR	SUBSTRATE
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCP	SCUPPER
SCRN	SCREEN
SD	STORM DRAIN
SDBL	SANDBLAST
SEC	SECONDS
SECT	SECTION
SEP	SEPERATE OR SEPERATION
SF	SQUARE FEET, STOREFRONT
SGL	SINGLE
SHR	SHOWER
SHT	SHEET(ING)
SHTG	SHEATHING
SHV	SHELVES(ING)
SIM	SIMILAR
SK	SINK
SKLT	SKYLIGHT
SLD	SEALED
SLDG	SLIDE(ING)
SLDR	SOLDER
SLNT	SEALANT
SLV	SLEEVE
SM	SHEET METAL
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SMLS	SEAMLESS
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPENSER
SNDINS	SOUND INSULATION
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SNT	SEALANT
SP	SPACES
SPC	SUSPENDED PLASTER CEILING
SPD	SOAP DISPENSER
SPEC	SPECIFICATION(S)
SPRT	SUPPORT
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
ST	STREET
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STG	SEATING
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STOR	STORAGE
STR	STRAIGHT
STRUC	STRUCTURAL
STU	STRUCT
SUSP	SUSPENDED
SV	SHEET VINYL
SYMM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	
T	TEMPERED, TOILET, TREAD
T24	TITLE 24
T&B	TOP AND BOTTOM
T&G	TONGUE & GROOVE
TB	THRU BOLT
TBE	THREADED BOTH ENDS
TD	TOWEL DISPENSER
TDR	TOWEL DISPENSER/RECEPTACLE
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TERRAZZO
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
THD	THREAD(ED)
THERM	THERMAL
THK	THICK
THRES	THRESHOLD
THRU	THROUGH
TKBD	TACKBOARD
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CURB OR TOP OF CONCRETE
TOF	TOP OF FOOTING
TOFF	TOP OF FINISH FLOOR
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPV	TOP OF PAVEMENT
TOS	TOP OF SHEATHING
TOSL	TOP OF SLAB
TOST	TOP OF STEEL
TOW	TOP OF WALL OR TOP OF WALK
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TRANS	TRANSITION
TS	TUBE STEEL
TV	TELEVISION
TWLB	TOWEL BAR
TYP	TYPICAL
U	
UC	UNDERCUT
UGND	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL
URM	UNREINFORCED MASONRY
UTIL	UTILITY
V	
VAR	VARIES
VB	VINYL BASE
VCT	VINYL COMPOSITION TITLE
VER	VERIFY
VERT	VERTICAL
VEST	VESTIBULE
VF	VINYL FABRIC
VFAT	VINYL FACED ACOUSTIC TILE
VIF	VERIFY IN FIELD
VJ	V-JOINT(ED)
VNR	VENEER
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	
W	WEST
W.O.	WHERE OCCURS
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WBL	WOOD BLOCKING
WC	WATER CLOSET
WD	WOOD
WDP	WOOD PANELING
WDW	WINDOW
WF	WIDE FLANGE
WFS	WOOD FURRING STRIP
WGL	WIRED GLASS
WH	WATER HEATER
WH	WALL HUNG
WI	WROUGHT IRON
WID	WIDTH, WIDE
WLD	WELD(ED)
WM	WIRE MESH
WP	WATERPROOF(ING)
WPT	WORKING POINT
WR	WIRE ROPE
WS	WOOD SCREW
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
X	
XBRACE	CROSS BRACE
XFMR	TRANSFORMER
XSECT	CROSS SECTION
Y	
YCO	YARD CLEANOUT
YD	YARD

SYMBOLS LEGEND



N = PLAN NORTH ARROW
ADDITIONAL ARROW INDICATES TRUE NORTH

X = BUILDING SECTION NUMBER
AX.X = SHEET NUMBER

X = WALL SECTION NUMBER
AX.X = SHEET NUMBER

X = EXTERIOR ELEVATION NUMBER
AX.X = SHEET NUMBER

X = INTERIOR ELEVATION NUMBER
AX.X = SHEET NUMBER
N,S,E,W = INDICATES CARDINAL DIRECTION

GRID LINE, FACE OF STRUCTURE

GRID LINE, CENTER OF STRUCTURE

ELEVATION OR DATUM POINT

WORK POINT

REFERENCE DETAIL
X = DETAIL DRAWING NUMBER
AX.X = SHEET NUMBER

MATCH LINE AND AREA DESIGNATOR
SHADED PORTION IS THE SIDE CONSIDERED

ROOM NAME
AREA IDENTIFICATION:
A = BUILDING OR AREA DESIGNATION
1 = FLOOR NUMBER
19 = ROOM NUMBER

WINDOW, STOREFRONT, OR CURTAINWALL
SEE WINDOW SCHEDULE

DOOR NUMBER, SEE DOOR SCHEDULE

KEYNOTE
08 = SPECIFICATION DIVISIONAL PREFIX
2 = SPECIFICATION SUBSECTION PREFIX
11 = NOTE NUMBER

REVISION

CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO PLANS FOR COUNTERTOP TYPE

PATH OF EGRESS
41 = OCCUPANT LOAD
STARTING POINT OF PATH OF TRAVEL TO EXIT MARKED BY DOT AT THE BEGINNING OF EGRESS LINE

PANIC HARDWARE DEVICE - REFERENCE DOOR SCHEDULE AND HARDWARE GROUP

SIGNAGE TAG

MATERIALS LEGEND

EARTH
POROUS FILL (STONE, GRAVEL, ETC.)
CONCRETE
GROUT
STEEL
FINISHED WOOD
TERRAZZO
WOOD BLOCKING
WOOD FRAMING
CLASS A BATT INSULATION
CLASS A RIGID INSULATION
GYPSUM BOARD
PLYWOOD
METAL LATH AND PLASTER

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123133 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/22/2024

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA DATE SIGNED: 03/18/2024	

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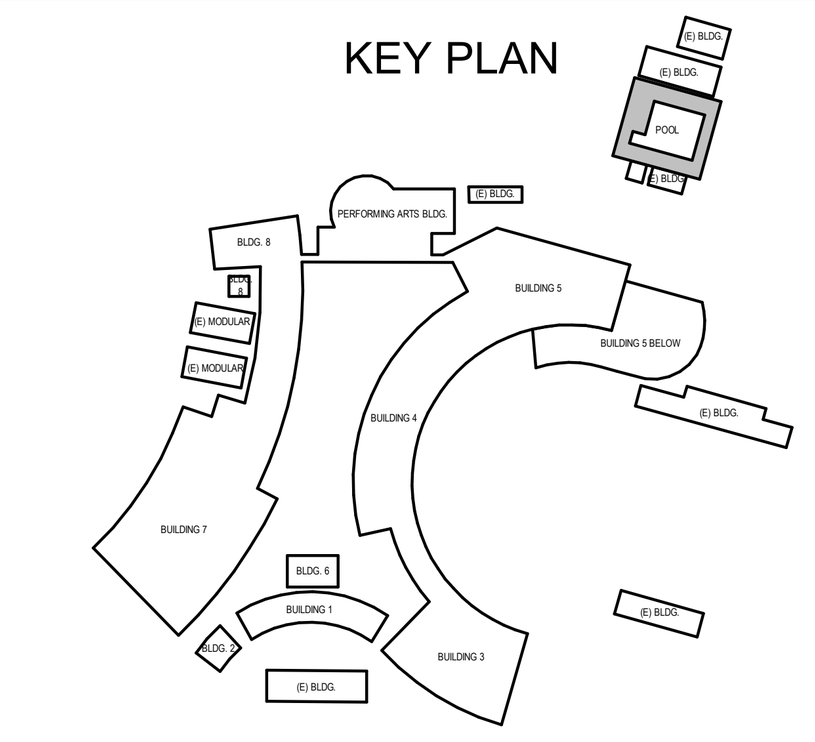
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
● DSA PLAN CHECK	03.18.2024
○ DSA BACK CHECK	
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

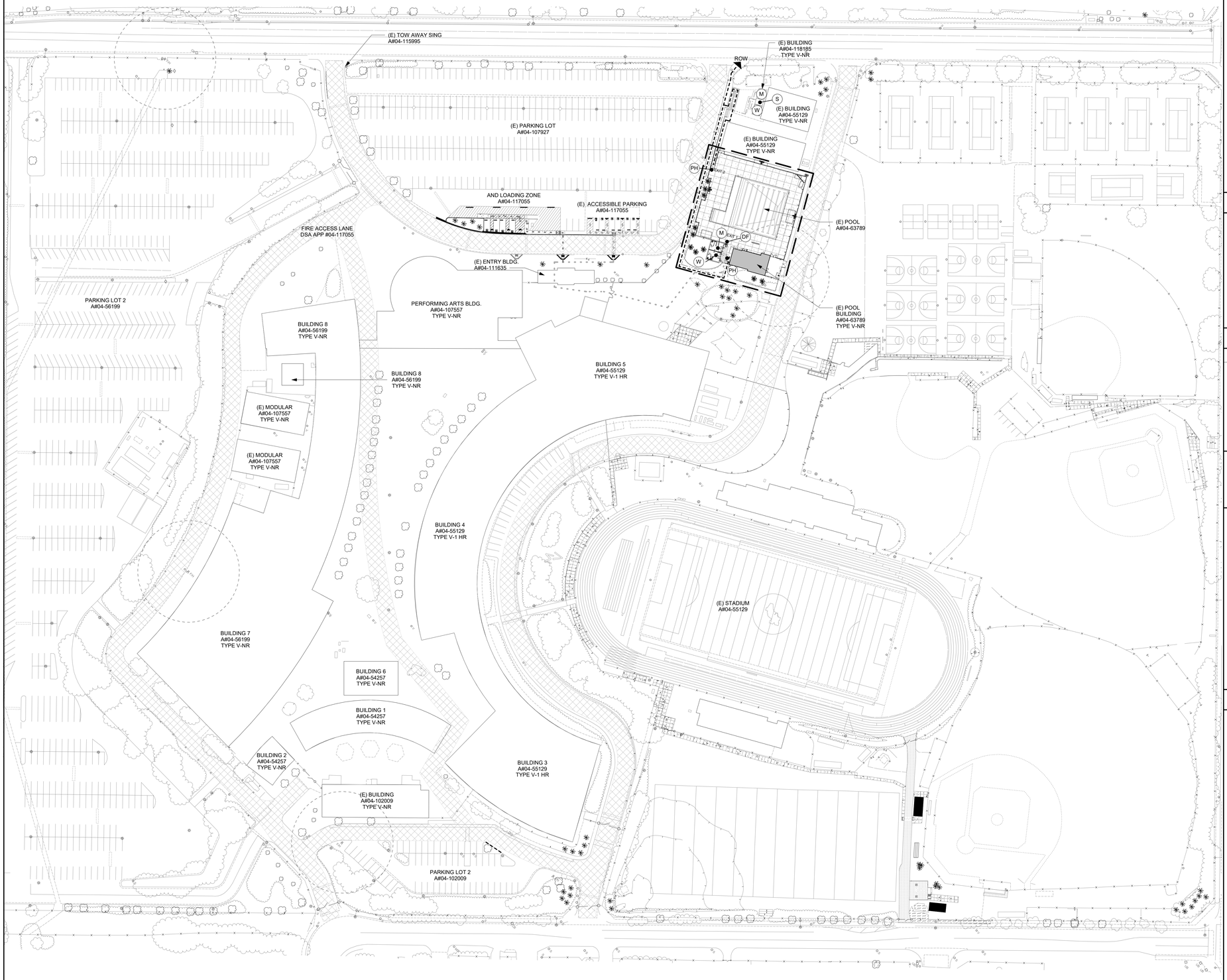
DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

ARCHITECTURAL SYMBOLS AND ABBREVIATIONS

Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A0.3
Drawn: Author	Checked: Checker

PRINT DATE: 7/24/2024 7:59:54 AM
FILE PATH: BIM 360://23071 MVUSD MVHS Pool Modernization/23071-MVHS Pool Modernization-A21.rvt



CODE ANALYSIS SITE PLAN 1" = 60'-0" 15

GENERAL NOTES

EXISTING CONDITIONS
1. ALL (E) STRUCTURES AND ITEMS ON SITE ARE APPROXIMATE BASED ON DRAWINGS FROM OWNER.

BUILDING
1. ALL EXTERIOR OUTWARD SWINGING DOORS TO HAVE A MINIMUM 5'-0" LEVEL LANDING.
2. ALL BUILDING ENTRANCES AND EXTERIOR GROUND LEVEL EXITS SHALL BE ACCESSIBLE.

ACCESSIBLE PATH OF TRAVEL
1. SEE ACCESSIBLE PATH OF TRAVEL DEFINITION, THIS SHEET.
2. ALL SIDEWALKS ALONG THE ACCESSIBLE ROUTE TO BE A MINIMUM OF 4'-0" WIDE, AND THERE SHALL BE NO DROP-OFFS OVER 4" AT EDGE OF WALK OR LANDING. WHERE A 4" DROP-OFF DOES OCCUR, PROVIDING A 6" HIGH WARNING CURB OR GUARD OR HANDRAIL. (SEE CBC SECTION 11B-303.5)
3. FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WALKWAY IN THE PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAFFIC FLOW.
4. 36" WIDE CONTINUOUS DETECTABLE WARNING SHALL BE USED WHERE THE PEDESTRIAN PATH CROSSES OR ADJOINS A VEHICULAR WAY (SUCH AS A DRIVEWAY) TO WARN OF POTENTIAL HAZARDS AS PER CBC 11B-705.
5. SEE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT ON THIS SHEET FOR PATH OF TRAVEL REQUIREMENTS.

GATES
1. GATES ALONG ACCESSIBLE ROUTE SHALL MEET DOOR REQUIREMENTS PER CBC SECTION 11B-404 INCLUDING PANIC HARDWARE AND 10" MIN. SMOOTH BOTTOM OR KICK PLATE.
2. GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS WITH PROPER ACCESSIBLE PANIC HARDWARE, LEVER HARDWARE AND KICK PLATES.

FIRE APARRATUS ACCESS ROADS
1. FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED TO SUPPORT THE IMPOSED LOADS OF ALL FIRE APPARATUS & SHALL BE SURFACED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES. CFC 503.2.3

ACC. PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

ACCESSIBLE PARKING

BASED ON CBC TABLE 11B-208.2 "PARKING SPACES"

STANDARD PARKING PROVIDED: 204 STALLS
ACCESSIBLE PARKING PROVIDED: 8 STALLS + 2 VAN STALLS
TOTAL PARKING PROVIDED: 214 STALLS

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

(BASED ON DSA PROCEDURE PR 15-01)

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, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

LEGEND

- BUILDING UNDER SCOPE OF WORK
- LIMITS OF WORK
- (E) BUILDING, NOT UNDER SCOPE OF WORK
- (E) 25'-0" WIDE CLEAR FIRE ACCESS LANE. DSA APP. #04-117055
- ACCESSIBLE PATH OF TRAVEL, SEE DEFINITION ON THIS SHEET
- ACCESSIBLE PATH OF TRAVEL, UNDER DSA APP #117055
- CLOSEST ACCESSIBLE RESTROOM FOR EACH GROUP USER BOYS/GIRLS/MEN/WOMEN/STAFF PATH OF TRAVEL, UNDER DSA APP #118185
- PROPERTY LINE
- FIRE HYDRANT AND 75' RADIUS CIRCLE
- LOCATION OF ACCESSIBLE EXTERIOR EXIT DOORS, ENTRANCES, AND EGRESS
- GX — GATE TAG - SEE GATE SCHEDULE ON SHEET A9.1
- PH — PANIC HARDWARE (S)
- (E) BATHROOM FACILITIES - DSA APP #04-117055: (W) WOMENS (M) MENS STAFF (X)
- (DF) DRINKING FOUNTAIN
- REFER TO SHEET A7.1 FOR DETAILS & DIMENSIONS

DSA STAMP

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REVIEWED FOR
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DATE: 08/22/2024

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ARCHITECT	ENGINEER

LICENSED ARCHITECT
BRYAN P WHITMORE
No. C 30345
Ren. 9/30/25
STATE OF CALIFORNIA
DATE SIGNED: 03/18/2024

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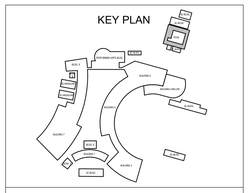
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NO.	REMARKS	DATE

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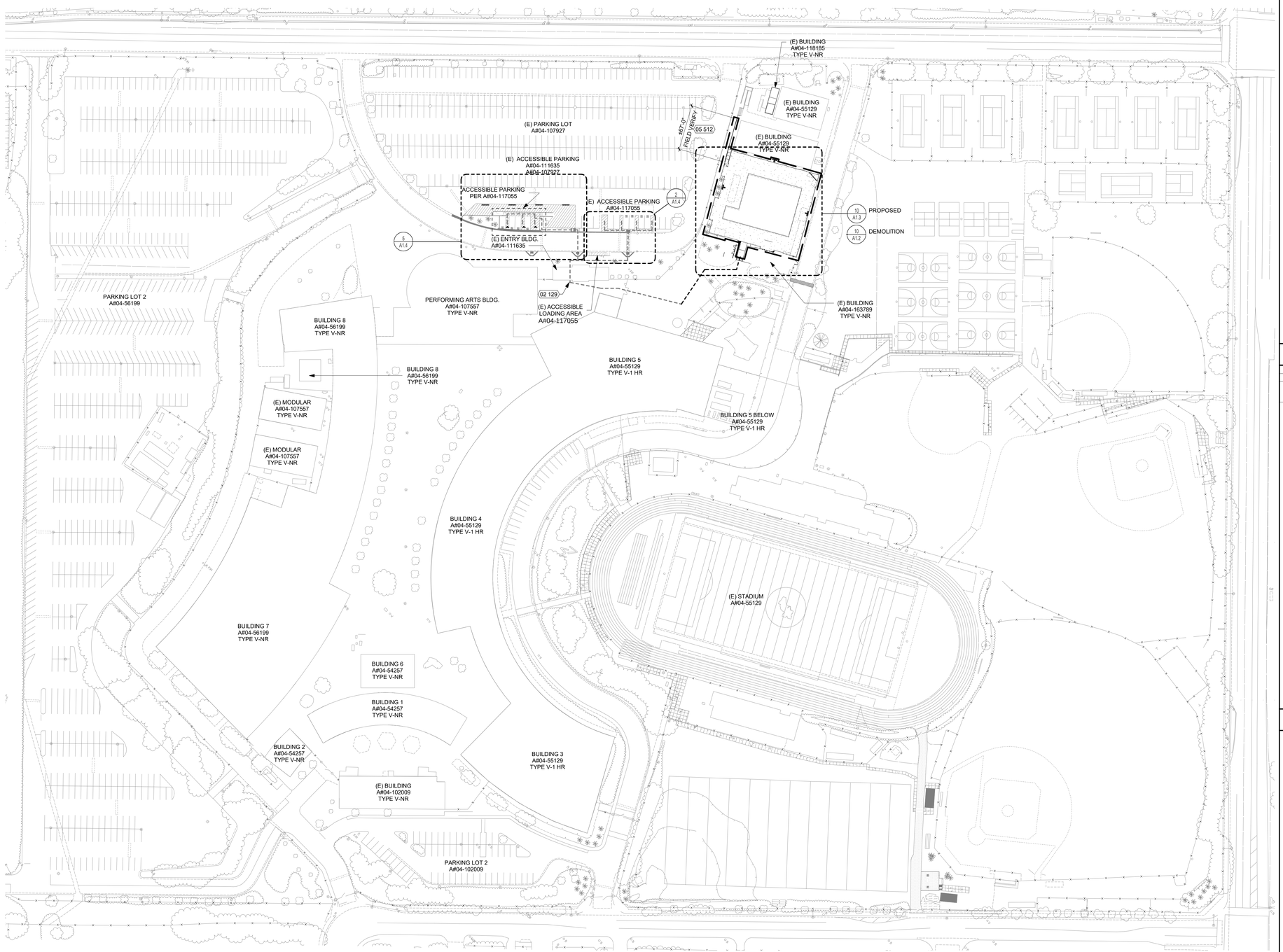
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POOL MODERNIZATION
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CODE ANALYSIS SITE PLAN

Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A0.5
Drawn / Author	Checked / Checker

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SITE PLAN 1/64" = 1'-0" 10

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR 6'-0" HIGH TEMPORARY CONSTRUCTION BARRIER WITH VISION SCREEN AT STAGING, STORAGE AND CONSTRUCTION AREA WITH SIGNAGE EVERY 20'-0" TO WARN STUDENTS OF CONSTRUCTION AREA.
2. CONTRACTOR TO BRING IN OFFICE TRAILER TO CONSTRUCTION AREA.
3. CONTRACTOR SHALL ACCESS THE SITE FROM NIGHTHAWK WAY. ANY DAMAGE TO FIRE LANE WILL BE AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR TO REPAIR BACK TO EXISTING CONDITIONS ALL LAYDOWN AREAS AT THE END OF CONSTRUCTION. THIS INCLUDES LANDSCAPE AREAS AND ANY BROKEN SPRINKLERS, VALVE BOXES, CONCRETE, ASPHALT, ETC.
5. CONTRACTOR SHALL REPLACE, RECONSTRUCT AND REPAIR ALL EXISTING WORK THAT IS IMPACTED, DAMAGED, OR DESTROYED AS A RESULT OF ANY CONTRACTOR WORK INCLUDING, BUT NOT LIMITED TO, HARDSCAPING, SIDEWALKS, IRRIGATION SYSTEMS, LANDSCAPING, LAWNS, STRUCTURES AND UTILITIES - ALL TO THE SATISFACTION OF THE DISTRICT.
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7. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
8. GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS WITH PROPER LEVER HARDWARE AND KICK PLATES.

KEYNOTES

NUMBER	NOTE
02 129	(E) ACCESSSIBLE GATE WITH PANIC HARDWARE SEET PHOTO ON 12/A1.4
05 512	ADD NEW 42" ABOVE FINISH SURFACE PAINTED METAL GUARDRAIL OVER EXISTING PLASTER OVER EXISTING CMU WALL TO CONNECT TO EXISTING GUARD RAIL, SEE DETAIL 27/A10.2

LEGEND

- BUILDING UNDER SCOPE OF WORK
- LIMITS OF WORK
- (E) BUILDING, NOT UNDER SCOPE OF WORK
- (E) 25'-0" WIDE CLEAR FIRE ACCESS LANE. DSA APP. #04-117055
- ACCESSIBLE PATH OF TRAVEL, SEE DEFINITION ON THIS SHEET
- ACCESSIBLE PATH OF TRAVEL, UNDER DSA APP #117055
- CLOSEST ACCESSIBLE RESTROOM FOR EACH GROUP USER BOYS/GIRLS/MEN/WOMEN/STAFF PATH OF TRAVEL, UNDER DSA APP #118185
- PROPERTY LINE
- FIRE HYDRANT AND 75' RADIUS CIRCLE
- LOCATION OF ACCESSIBLE EXTERIOR EXIT DOORS, ENTRANCES, AND EGRESS
- GX — GATE TAG - SEE GATE SCHEDULE ON SHEET A9.1
- PH — PANIC HARDWARE (S)
- (X) — (E) BATHROOM FACILITIES - DSA APP #04-117055: (W) WOMENS (M) MENS STAFF
- (DF) DRINKING FOUNTAIN
- REFER TO SHEET A7.1 FOR DETAILS & DIMENSIONS

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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA
DATE SIGNED: 03/18/2024

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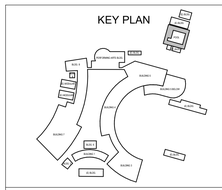
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NO.	REMARKS	DATE

DRAWING STATUS

	DATE
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○ DSA BACK CHECK	
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

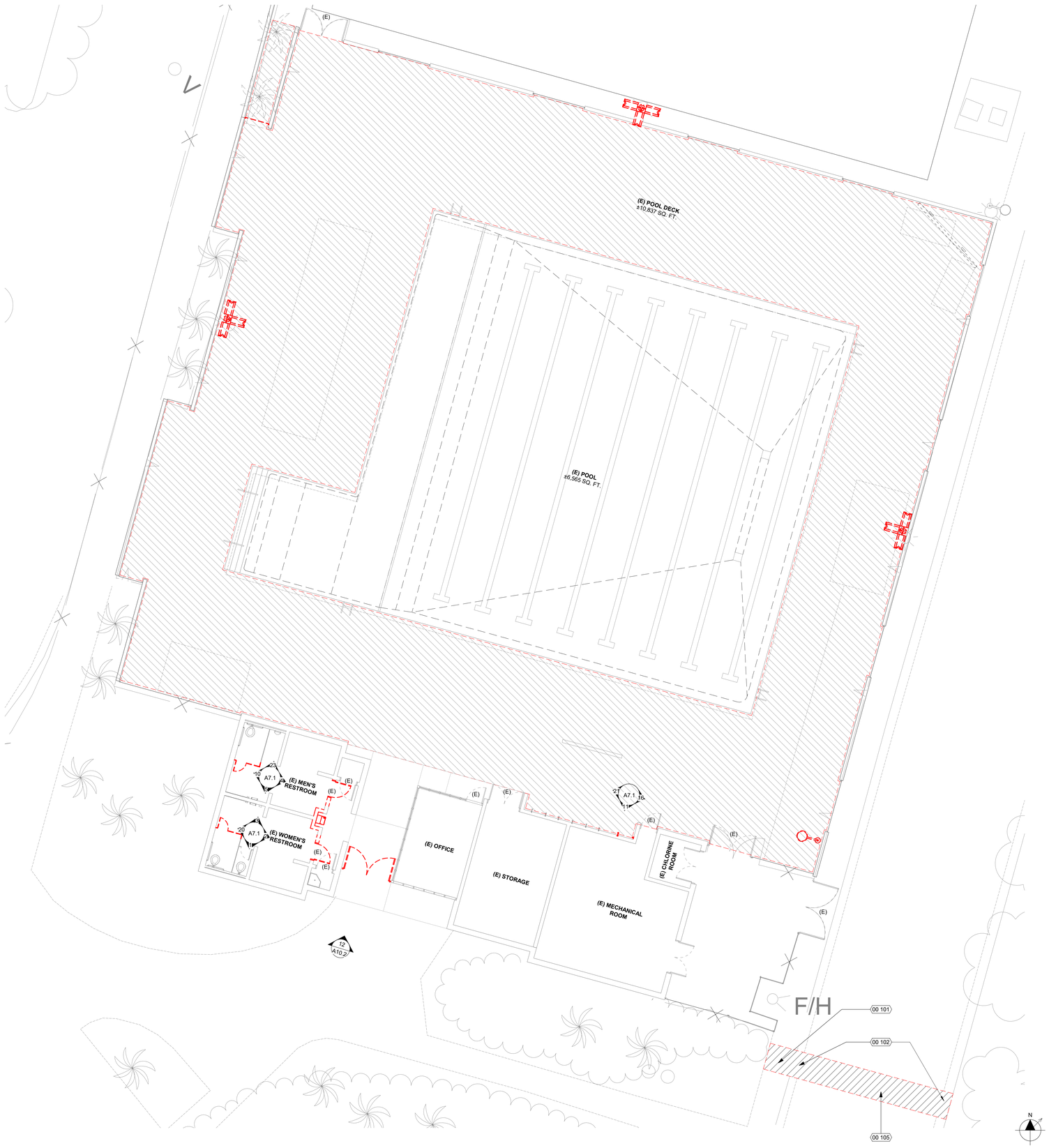
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MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

SITE PLAN OVERALL

Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A1.1
Drawn / Author	Checked / Checker

PRINT DATE: 7/24/2024 7:59:59 AM
FILE PATH: BIM 360://23071 MVUSD MVHS Pool Modernization/23071-MVHS Pool Modernization-A21.rvt



REF: 10 / A1.1

ENLARGED DEMO POOL DECK PLAN | 1/8" = 1'-0" | 10

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR 6'-0" HIGH TEMPORARY CONSTRUCTION BARRIER WITH VISION SCREEN AT STAGING, STORAGE AND CONSTRUCTION AREA WITH SIGNAGE EVERY 20'-0" TO WARN STUDENTS OF CONSTRUCTION AREA.
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8. GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS WITH PROPER LEVER HARDWARE AND KICK PLATES.
9. NOTE THAT ALL DEMOLITION SHALL COMPLY WITH CH. 33 CBC AND CHAPTER 33 CFC.

KEYNOTES

NUMBER	NOTE
00 101	REMOVE (E) CONCRETE PAVING AND RECONSTRUC IN KIND OF WALKWAY, SEE CIVIL SHEET C1.50.
00 102	REMOVE (E) CONCRETE AND RECONSTRUCT IN KIND OF PORTLAN CEMENT CONCRETE CURB AND GUTTER SEE, CIVIL SHEET C1.50
00 105	REMOVE AND DEMOLISHED EXISTING ASPHALT PAVEMENT. SAWCUT FULL DEPTH. PROTECT EDGE AND BLEN IN WITH EXISTING ASPHALT PAVEMENT. CONCTRACTOR TO CORE AND SAMPLE EXISTING ASPHALT PAVING SECTION OF EXISTING FIRE LANE TO CONFIRM PAVEMENT SECTIONS. NEW FIRE LANE ROAD PAVEMENT SHALL MATCH EXISTING WITH COMPACTION SHOWN HEREON, SEE CIVIL SHEET C1.50

LEGEND

(E)	EXISTING TO REMAIN
	(E) TO BE DEMOLISHED, REMOVED, AND/OR RELOCATED
	(E) TO REMAIN

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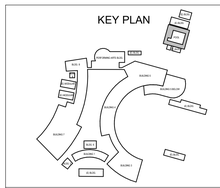
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
● DSA PLAN CHECK	03.18.2024
○ DSA BACK CHECK	
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

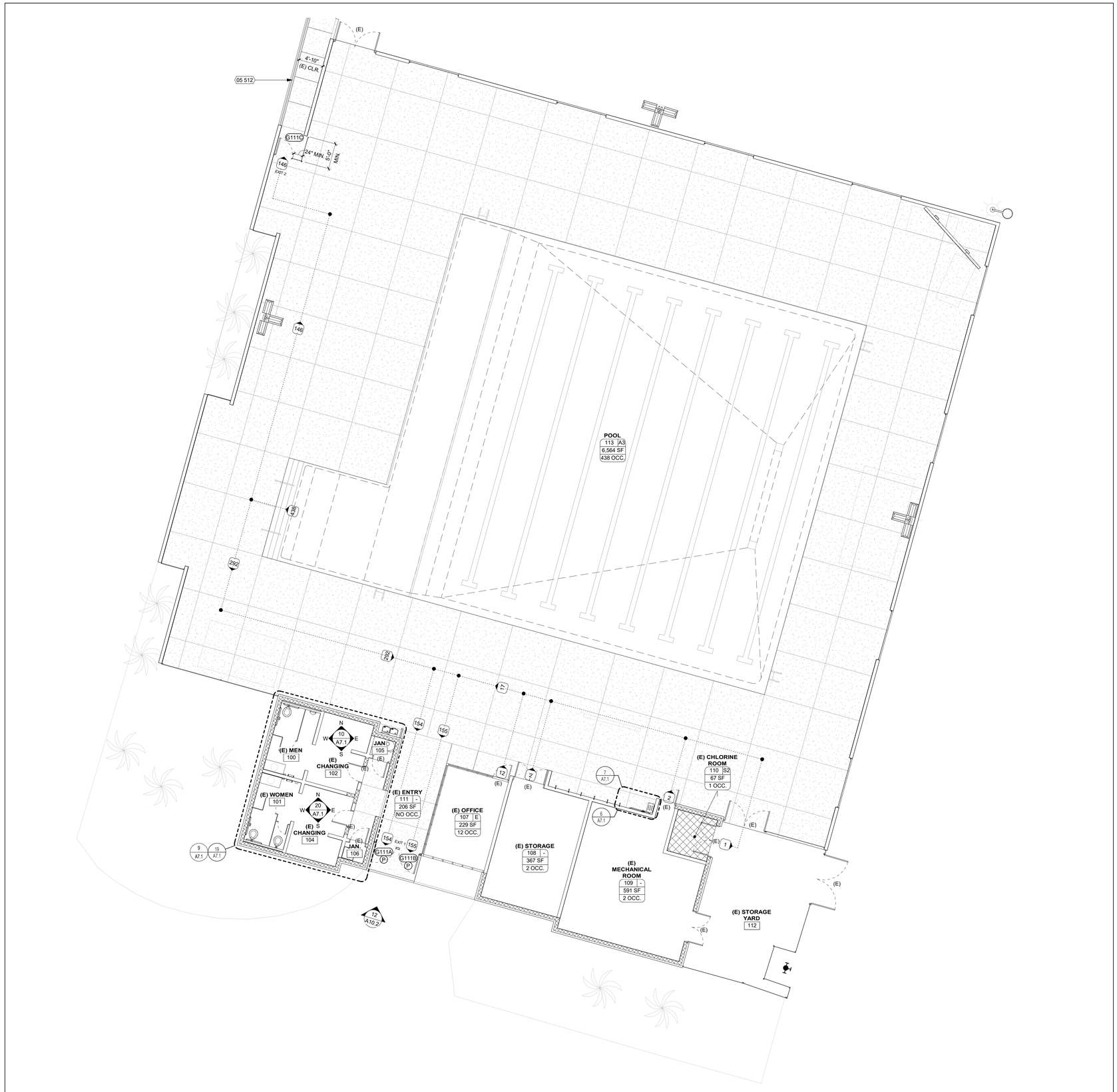
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POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

ENLARGED DEMOLITON PLAN

Date 03/18/2024	Project Number 23071
Application Number 04-123133	Drawing Number A1.2
Drawn / Author	Checked / Checker

PRINT DATE: 7/24/2024 8:00:01 AM
FILE PATH: BIM 360://23071 MVUSD MVHS Pool Modernization/23071-MVHS Pool Modernization-A21.rvt



REF: 10 / A1.1

ENLARGED SITE PLAN 1/8" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
05 512	ADD NEW 42" ABOVE FINISH SURFACE PAINTED METAL GUARDRAIL OVER EXISTING PLASTER OVER EXISTING CMU WALL TO CONNECT TO EXISTING GUARD RAIL, SEE DETAIL 27/A10.2

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EXITING WIDTH

MARK	DOOR WIDTH	EXITING OCCUPANTS	MINIMUM EXIT WIDTH REQUIRED (EXITING OCCUPANTS *.2)	EXIT WIDTH PROVIDED
G111A	4'-0"	155	32"	44"
G111B	4'-0"	154	32"	44"
G111C	3'-0"	146	32"	32"

	EXIT WIDTH REQUIRED	EXIT WIDTH PROVIDED
EXIT #1 -	155 X .2 = 31" - GATE G111A	44"
	154 X .2 = 31" - GATE G111B	44"
EXIT #2 - GATE G113	146 X .2 = 30"	36"

OCCUPANCY LOAD

ROOM NUMBER	ROOM NAME	FUNCTION OF SPACE (CBC TABLE 1004.1.2)	SQ. FT. (NET)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
100	(E) MEN	(none)	109 SF		
101	(E) WOMEN	(none)	109 SF		
102	(E) CHANGING	(none)	141 SF		
104	(E) CHANGING	(none)	141 SF		
105	JAN.	(none)	16 SF		
106	JAN.	(none)	14 SF		
107	(E) OFFICE	Business Areas (Higher Education Classrooms per DSA IR A-26.cc)	229 SF	20	12
108	(E) STORAGE	Accessory Storage Areas, Mechanical Equipment Room	367 SF	300	2
109	(E) MECHANICAL ROOM	Accessory Storage Areas, Mechanical Equipment Room	591 SF	300	2
110	(E) CHLORINE ROOM	Accessory Storage Areas, Mechanical Equipment Room	67 SF	300	1
111	(E) ENTRY	(none)	206 SF		
112	(E) STORAGE YARD	(none)	Not Enclosed		
113	POOL	Skating and Swimming - Deck	6,564 SF	15	438
			8,553 SF		455

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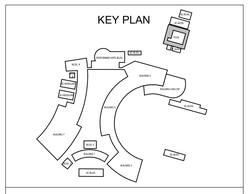
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NO.	REMARKS	DATE

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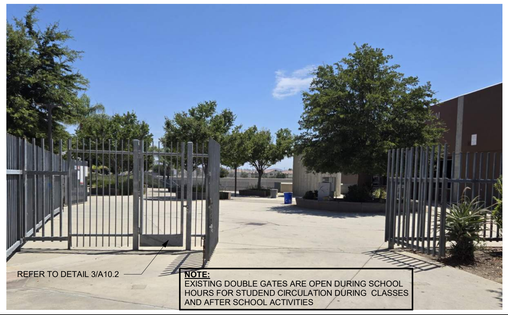
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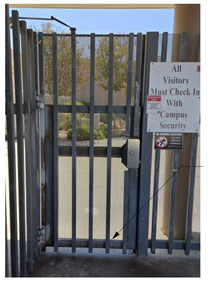
ENLARGED SITE PLAN

Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A1.3
Drawn: SK	Checked: TPT

PRINT DATE: 7/24/2024 8:00:03 AM
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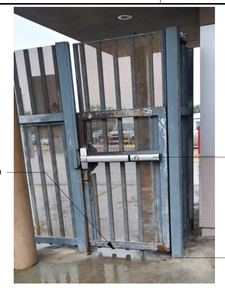


EXISTING DOUBLE GATE 3/4" = 1'-0" 11



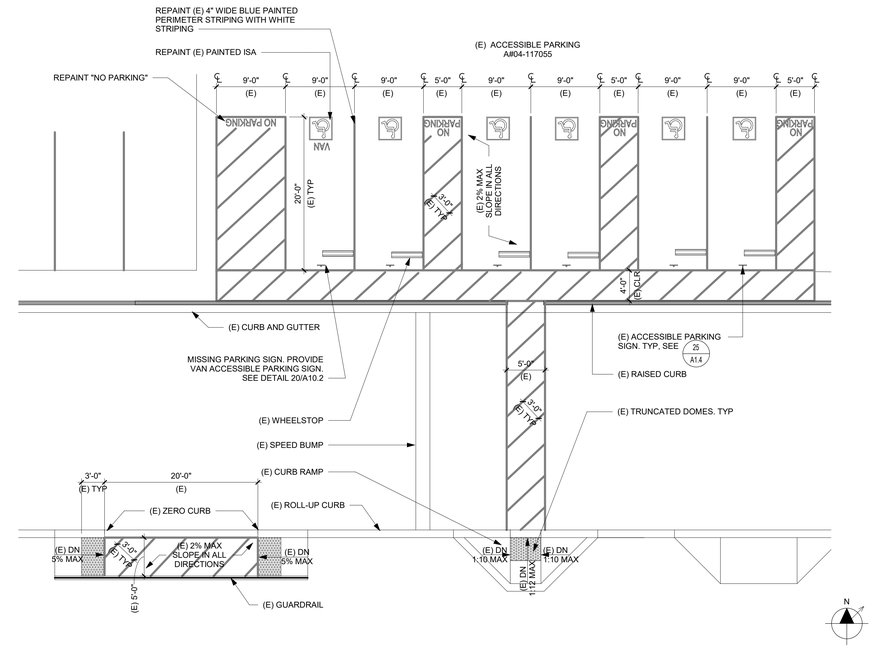
ENTRY VIEW OF GATE

PROVIDE KICK PLATE. REFER TO DETAIL 3/A10.2

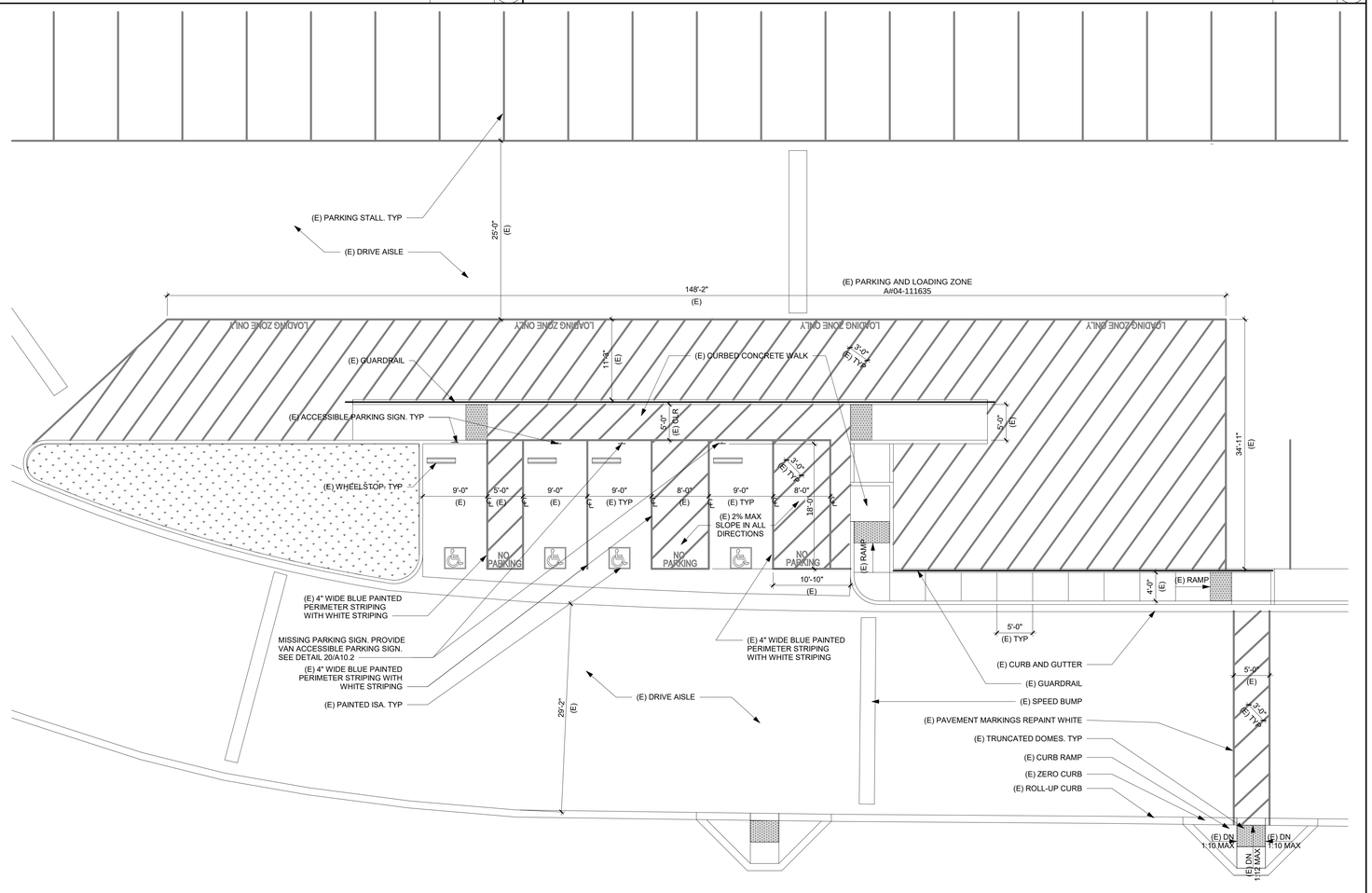


EXIT VIEW OF GATE

EXISTING ACCESSIBLE ENTRY/EXIT GATE 3/4" = 1'-0" 12



ENLARGED SITE PLAN - ACCESSIBLE PARKING AND PASSENGER DROP OFF AND LOADING ZONE 1/8" = 1'-0" 2



ENLARGED SITE PLAN - ACCESSIBLE PARKING 1/8" = 1'-0" 5



EXISTING ACCESSIBLE STALL SIGNAGE 3/4" = 1'-0" 25

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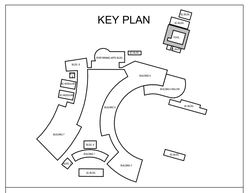
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NO.	REMARKS	DATE

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○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



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41870 MCALBY COURT
MURRIETA, CA 92562

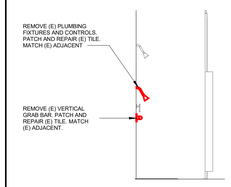
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42200 NIGHTHAWK WY
MURRIETA, CA 92562

ENLARGED SITE PLAN

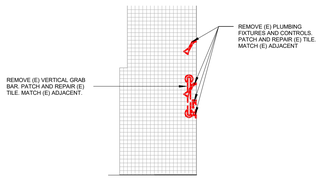
Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A1.4
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PRINT DATE: 12/4/2024 8:00:05 AM
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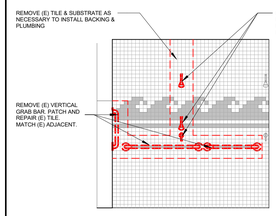
REF: 10 / A1.2

ADA SHOWER DEMO - EAST 3/8" = 1'-0" 21



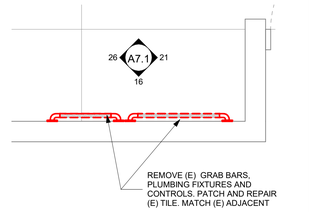
REF: 10 / A1.2

ADA SHOWER DEMO - WEST 3/8" = 1'-0" 16



REF: 10 / A1.2

ADA SHOWER DEMO - NORTH 3/8" = 1'-0" 11



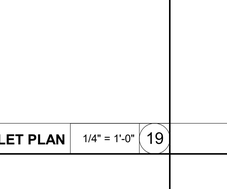
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ENLARGED ADA SHOWER PLAN -DEMO 1/2" = 1'-0" 6



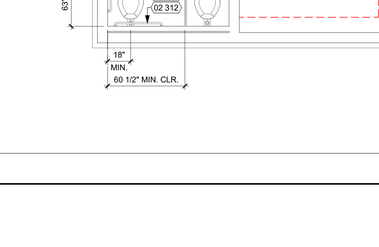
REF: 10 / A1.2

ADA SHOWER - WEST 3/8" = 1'-0" 22



REF: 10 / A1.2

ADA SHOWER - EAST 3/8" = 1'-0" 17



REF: 10 / A1.2

ADA SHOWER - SOUTH 3/8" = 1'-0" 12



REF: 10 / A1.3

ENLARGED ADA SHOWER PLAN 1/2" = 1'-0" 7

ENLARGED TOILET PLAN 1/4" = 1'-0" 19

ENLARGED DEMO TOILET PLAN 1/4" = 1'-0" 9

101 - WOMEN - INTERIOR ELEVATIONS 1/4" = 1'-0" 20

100 - MEN - INTERIOR ELEVATIONS 1/4" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
00 113	REMOVE (E) DRINKING FOUNTAIN. CAP PIPES IN PLACE FLUSH TO FINISHED FACE OF WALL/FLOOR.
00 117	REMOVE (E) HOSE BIB. EXTEND TO (N) EXTERIOR WALL.
00 323	REMOVE (E) TOILET PARTITION/ URINAL SCREEN
00 325	REMOVE (E) TOILET PAPER DISPENSER AND RETURN TO DISTRICT
02 310	(E) TOILET PARTITION TO REMAIN
02 311	(E) ACCESSIBLEWATER CLOSET TO REMAIN
02 312	(E) GRAB BAR TO REMAIN
02 322	(E) URINAL TO REMAIN
02 323	(E) MIRROR TO REMAIN
02 324	(E) SANITARY NAPKIN DISPENSER
02 325	(E) HAND DRYER TO REMAIN
02 326	(E) SOAP DISPENSER TO REMAIN
02 327	(E) LAVATORY TO REMAIN
04 203	CMU MATCH (E) ADJACENT.
05 510	METAL HANDRAIL SEE DETAILS 23&24/A10.2
10 203	GRAB BAR (SEE DETAIL 22/A10.10)
10 212	TOILET PAPER DISPENSER, SURFACE MOUNTED
10 241	SHOWER BENCH
10 262	WALL TO FLOOR MOUNT GRAB BAR, SEE DETAILS 23&24/A10.2 .
10 504	LOCKER BENCH. SEE DETAIL 17/A10.10
22 403	HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER STATION (SEE DETAIL 23/A10.10)
22 443	SHOWER HEAD AT EXISTING STUB, V.I.F.

GENERAL NOTES

GENERAL
1. DIMENSIONS
   - A. ALL MINIMUM CLEARANCE DIMENSIONS FOR PLUMBING FIXTURES ARE FROM FACE OF WALL FINISH TO CENTER OF FIXTURE, U.O.N.
   - B. ALL DIMENSIONS MARKED "MIN. CLR" OR "CLR." ARE TO/ FROM FACE OF WALL FINISH (F.O.F.)
2. PROVIDE GLASSMAT BACKER BOARD AT ALL TILED WALLS AND WALLS WITHIN 48" OF ANY PLUMBING FIXTURE

GENERAL DEMO NOTES

GENERAL
1. ALL DEMOLITION WORK SHALL COMPLY WITH CFC CHAPTER 33 OF THE FIRE CODE AND CBC CHAPTER 33 OF THE BUILDING CODE FOR SAFETY DURING CONSTRUCTION AND DEMOLITION AND CALIFORNIA EXISTING BUILDING CODE (PART 10) FOR EXISTING STRUCTURES.
2. THESE DEMOLITION PLANS AND NOTES ARE COMPLIMENTARY TO ALL OTHER PLANS AND DETAILS AND MAY NOT REFLECT THE FULL EXTENT OF ALL DEMOLITION WORK REQUIRED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE DEMOLITION REQUIRED AND ALL DEMOLITION WORK SHALL BE INCLUDED IN THE BASE BID (UNLESS SPECIFICALLY NOTED OTHERWISE) AS NECESSARY TO CONSTRUCT AND/OR COMPLETE THIS PROJECT.
3. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, (UNLESS A SEQUENCE IS SPECIFIED BY THE OWNER OR CONTRACT DOCUMENTS) AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK.
4. SEE ENGINEERING DRAWINGS FOR ADDITIONAL DEMOLITION WORK, TYPICAL.

DEMOLITION
1. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA
2. SEE HAZARDOUS MATERIALS REPORT FOR ABATEMENT REQUIREMENTS DURING DEMOLITION.
3. DURING REQUIRED ON-SITE VISIT, CONTRACTOR SHALL INVENTORY AND IDENTIFY ALL GENERAL CONSTRUCTION (CONTRACTOR SALVAGE) TO BE DEMOLISHED AS SHOWN ON THIS PLAN.
4. CONTRACTOR REMOVED ITEMS SHALL BE DISPOSED OF PROPERLY OFF SITE AND IN AN EXPEDITIOUS MANNER.

EXISTING CONSTRUCTION
1. VERIFICATION OF EXISTING CONDITIONS:
   - A. IN THE REMODELING OF AN EXISTING BUILDING CERTAIN ASSUMPTIONS HAVE BEEN MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY, OR DESTROYING OTHERWISE SERVICEABLE PORTIONS OF THE BUILDING. NOTIFY THE ARCHITECT IMMEDIATELY FOR GUIDANCE ON HOW TO PROCEED WHEN CONDITIONS ARE DISCOVERED DURING CONSTRUCTION WHICH DIFFER FROM THOSE INDICATED ON THE DRAWINGS.
2. ALL DIMENSIONS SHOWN ON THIS SHEET ARE EXISTING AND APPROXIMATE. VERIFY IN FIELD.
3. CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION SHOWN TO REMAIN FROM DAMAGE DURING CONSTRUCTION, FOR THE EXTENT OF THE DEMOLITION AND MODIFICATION.
4. REMOVE ALL EXISTING NON-USED PIPES AND CONDUITS OVERHEAD FOR A CLEAN INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND CEILINGS - OR RECAP AS DIRECTED BY THE OWNER.
5. CONTRACTOR TO CAP ALL UTILITIES NOT SHOWN TO BE REUSED BELOW FLOORS, INSIDE WALLS OR ABOVE CEILINGS.
6. CONTRACTOR RESPONSIBLE FOR REMOVAL AND DISPOSAL OF OLD HOODS, INCLUDING DISCONNECTION OF ANSUL SYSTEMS. CONTRACTOR RESPONSIBLE FOR REMOVAL AND CLOSE OFF OF OLD HOOD SHAFTS. CONTRACTOR TO PATCH AND PAINT ABANDONED SHAFT OPENING LOCATION TO MATCH EXISTING FINISHES AND PREP FOR NEW WORK.
7. CONTRACTOR TO PROVIDE FLOOR REPAIR AFTER DEMOLITION OF (E) COOLER BOXES. CONTRACTOR TO PROVIDE ELECTRICAL AND PLUMBING SAFE OFF OF COOLER BOX DEMO. CONTRACTOR TO DISPOSE OF DEMOLISHED BOXES.

PREPARATION FOR NEW WORK
1. CONTRACTOR IS RESPONSIBLE FOR LOWERING ELECTRICAL, CONDUITS, PIPING, CLEANOUTS, ETC, AS NECESSARY FOR NEW FLOOR FINISHES.
2. REFER TO FLOOR FINISH PLAN FOR MORE INFORMATION ON SLAB CLEANING AND PREPARATION.
3. PATCH, CAULK, SET PROTRUDING NAILS AND REPAIR ALL SURFACES AND CRACKS WHERE NECCESSARY WITH SUITABLE PATCHING MATERIALS AND SMOOTH OFF TO MATCH ADJACENT SURFACES.
4. REMOVE ALL SIGNAGE, CLEAN AND PAINT SURFACE BEHIND PER SPECIFICATIONS, AND REINSTALL SIGNAGE.

SHORING
1. SHORING OF STRUCTURAL FOUNDATIONS, STRUCTURES, AND/OR TRENCHING REQUIRED TO COMPLETE THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS IS CONSIDERED A METHOD OR TECHNIQUE AND IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IF A REGULATORY AGENCY REQUIRES A LICENSED ENGINEER OR ARCHITECT TO SUPERVISE, APPROVE, AND/OR PROVIDE DRAWINGS FOR SHORING OF STRUCTURAL FOUNDATIONS, STRUCTURES, AND/OR TRENCHING, THEN IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTRACT WITH THE ARCHITECT/ENGINEER AND THE CONTRACTOR SHALL PROVIDE THIS WORK AS PART OF THE BASE BID.
2. ALL STRUCTURAL DEMO WORK SHALL BE PROPERLY SHORED PRIOR TO DEMO AND IF NEED BE, INSPECTED BY THE STRUCTURAL ENGINEER FOR APPROVAL WITH COST BORNE BY THE CONTRACTOR.

LEGEND

30" x 48" ACCESSIBLE CLEAR SPACE

60" DIAMETER ACCESSIBLE CLEAR SPACE

S7 WOMEN WALL MOUNTED SIGN, SEE DETAIL 11 / A10.10.1

S8 WOMEN DOOR SIGN, SEE DETAIL 13 / A10.10.1

S9 MEN WALL MOUNTED SIGN, SEE DETAIL 12 / A10.10.1

S10 MEN DOOR SIGN, SEE DETAIL 14 / A10.10.1

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123133 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/22/2024

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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA

DATE SIGNED: 03/18/2024

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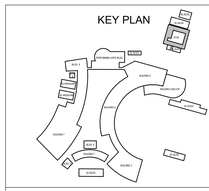
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
● DSA PLAN CHECK	03.18.2024
○ DSA BACK CHECK	
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

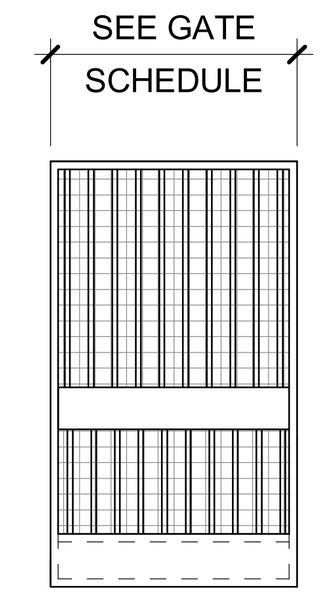
OUTDOOR SHOWER, TOILETS & DRINKING FOUNTAIN PLANS AND ELEVATIONS

Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A7.1
Drawn / Author	Checked / Checker

PRINT DATE: 1/24/2024 8:00:12 AM
FILE PATH: BIM 360://23071 MVUSD MVHS Pool Modernization/23071-MVHS Pool Modernization-v21.rvt

GATE TYPES

NOTE:
1. DOOR TYPES WITH TWO LETTER DESIGNATIONS INDICATES A PAIR OF THE SINGLE DOOR TYPE DESIGNATION.



TYPE A
GATE

GATE SCHEDULE

MARK	GATE												HDW				FRAME								COMMENTS
	SIZE										LOUVER										DETAILS				
	PAIR	PANEL WIDTH	HT	THK	TYPE	MAT.	FINISH	CORE	GLASS	RATING	HT	WD	GROUP	PANIC	CLOSER	INT. LOCK	TYPE	MTL	FINISH	GLASS	HEAD	JAMB	THRESHOLD	OTHER	
G111A		4'-0"	7'-0"	1 1/2"	A	STL	FF	STL	-	-	-	-	30	P	Y	-	(E)	STL	FF	-				7/A10.2	
G111B		4'-0"	7'-0"	1 1/2"	A	STL	FF	STL	-	-	-	-	30	P	Y	-	(E)	STL	FF	-				7/A10.2	
G111C		3'-0"	7'-0"	1 1/2"	A	STL	FF	STL	-	-	-	-	30	Y	Y	-	(E)	STL	FF	-				3/A10.2	

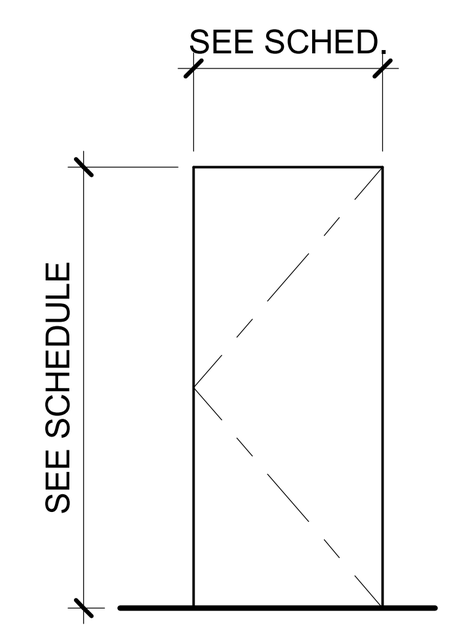
GENERAL NOTES

MATERIALS AND FINISHES
1. MATERIALS, FINISHES AND INSTALLATION OF PRODUCTS REFERENCED IN THE GATE SCHEDULE SHALL BE IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN THE RESPECTIVE PRODUCT SECTIONS IN THE PROJECT MANUAL.
2. VERIFY ALL MASONRY OR STUD OPENINGS PRIOR TO FABRICATION OF FRAME, EXACT SIZES AND CONFIGURATIONS OF ALL GATE SECTIONS SHALL BE VERIFIED ON THE SITE PRIOR TO FABRICATION.
3. THE BOTTOM 10" OF ALL GATES, EXCEPT AUTOMATIC AND SLIDING SHALL HAVE SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE GATE TO BE OPENED BY A WHEELCHAIR FOOTREST.
4. ADJUST GATE FRAME OPENING SIZES AS NECESSARY TO REFLECT VARIATIONS IN THE STRUCTURAL SLAB AND VARYING THICKNESS OF THE FLOOR FINISHES.
5. FRAMES FOR EXTERIOR GATES SHALL BE SET IN SEALANT.

EXITING AND PATH OF TRAVEL
1. EXIT GATES SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
2. MAXIMUM FORCE TO PUSH OR PULL OPEN A GATE (11B-404.2.9) SHALL NOT EXCEED 5 LBS FOR GATES.
3. ALL REQUIRED EXIT GATES SHALL BE SIZED NOT LESS THAN 3'-0" WIDE AND 6'-8" HIGH AND BE CAPABLE OF OPENING 90 DEG. AND MOUNTED SO THAT THE CLEAR WIDTH OF THE EXIT WAY IS 32" MIN., U.O.N.
4. ALL REQUIRED EXIT GATES SHALL SWING IN THE DIRECTION OF TRAVEL.
5. THE FLOOR OR LANDING LENGTH ON EACH SIDE OF AN EXIT GATE SHALL BE LEVEL (<2% MAX. SLOPE) AND CLEAR AT LEAST 60 INCHES IN THE DIRECTION OF THE GATE SWING (PULL SIDE) AND 48 INCHES ON THE PUSH SIDE, WHEN MEASURED AT RIGHT ANGLES FROM GATE IN CLOSED POSITION. THE CLEAR WIDTH SHALL EXTEND 24 INCHES BEYOND THE STRIKE ON THE PULL SIDE OF ALL EXTERIOR EXIT GATES AND 18 INCHES FOR INTERIOR EXIT GATES. THE CLEAR WIDTH SHALL EXTEND 12 INCHES BEYOND THE STRIKE EDGE OF THE PUSH SIDE OF ALL EXIT GATES. GATES SHALL BE EQUIPPED WITH BOTH A LATCH AND CLOSER. SEE DETAIL 8 / A10.2
6. LATCHING AND LOCKING GATES THAT ARE HAND-ACTIVATED AND WHICH ARE IN THE PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVEL-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATED BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

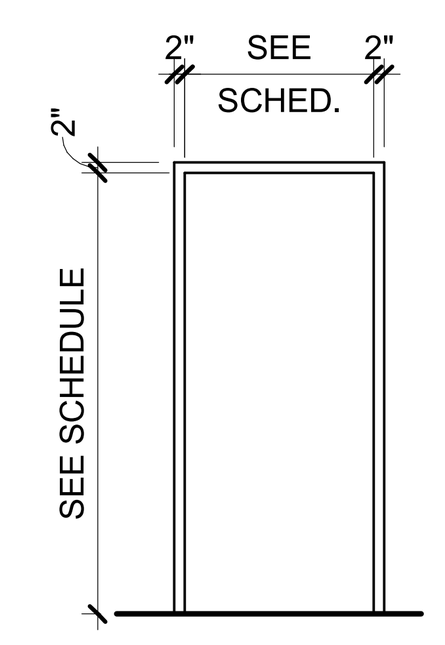
HARDWARE
1. HAND ACTIVATED HARDWARE SHALL BE BETWEEN 34" AND 44" A.F.F. COORDINATE MOUNTING HEIGHT.
2. PANIC HARDWARE SHALL BE PROVIDED ON EXIT GATES SERVING AN OCCUPANT LOAD OF 50 OR MORE. PROVIDE WALL OR FLOOR MOUNTED GATE STOPS FOR ALL GATES. LOCATE FLOOR MOUNTED GATE STOP WITHIN 4" MAX. OF WALL. PROVIDE BACKING AT ALL WALL MOUNTED GATE STOPS.
3. PROVIDE NON-REMOVABLE PINS ON ALL HINGES ACCESSIBLE FROM THE EXTERIOR.
4. PROVIDE CYLINDER GUARDS ON ALL MORTISED OR RIM TYPE CYLINDER LOCKS WHICH PROJECT BEYOND THE FACE OF THE GATE.
5. GATE CLOSERS SHALL CONFORM WITH 2022 CBC 11B-404.2.8.1
6. ELECTRIFIED HARDWARE: COORDINATE ALL ELECTRICAL REQUIREMENTS WITH DIVISIONS 26 AND 27
7. KICKPLATES PER HARDWARE GROUPS, SEE DETAIL - / ---
8. DOOR SHALL BE OPENABLE FROM INSIDE WITH A SINGLE MOTION W/O THE USE OF ANY TOOLS, EFFORT , OR SPECIAL KNOWLEDGE

DOOR TYPES



TYPE A
FLUSH

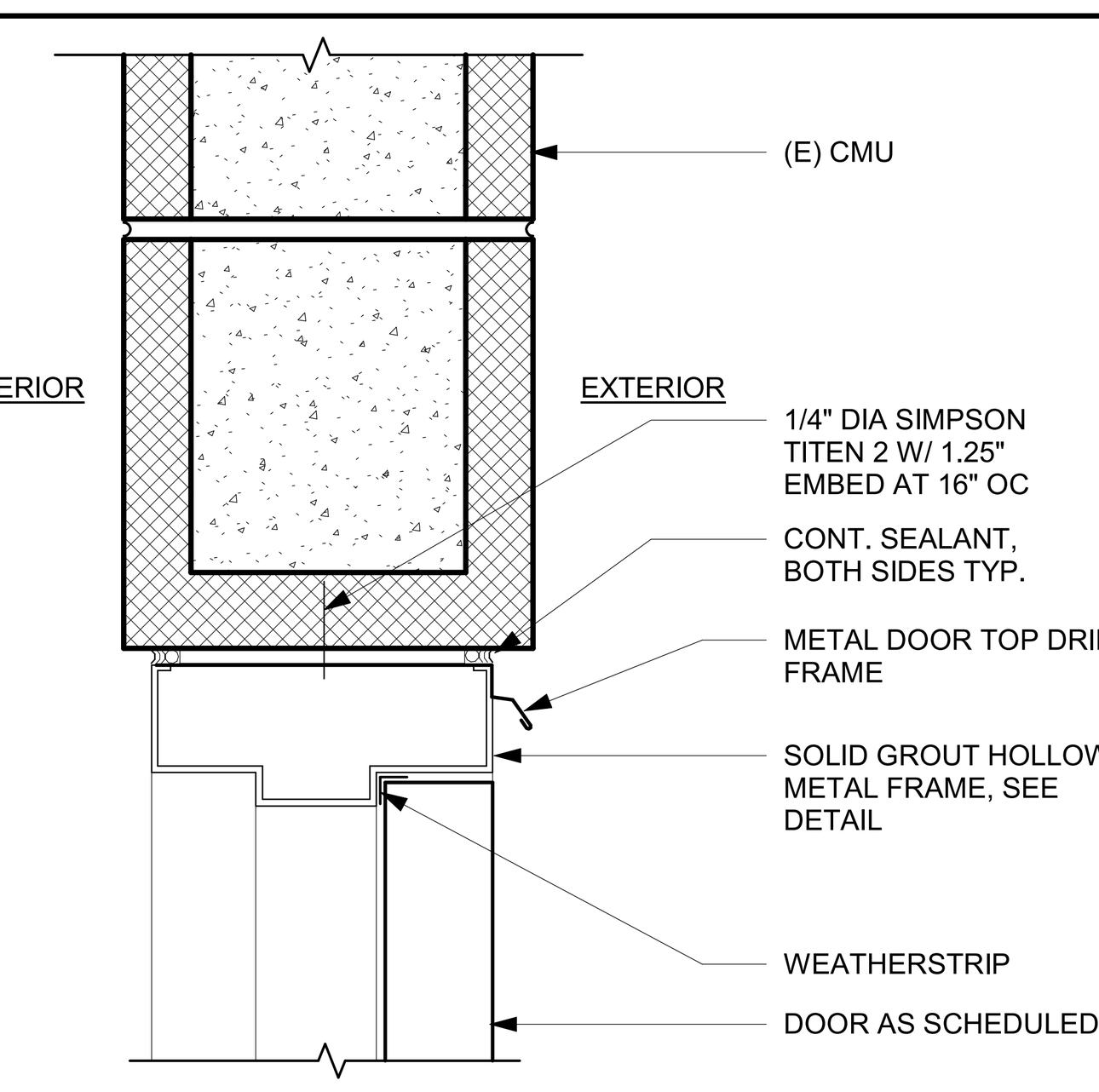
DOOR FRAME TYPES



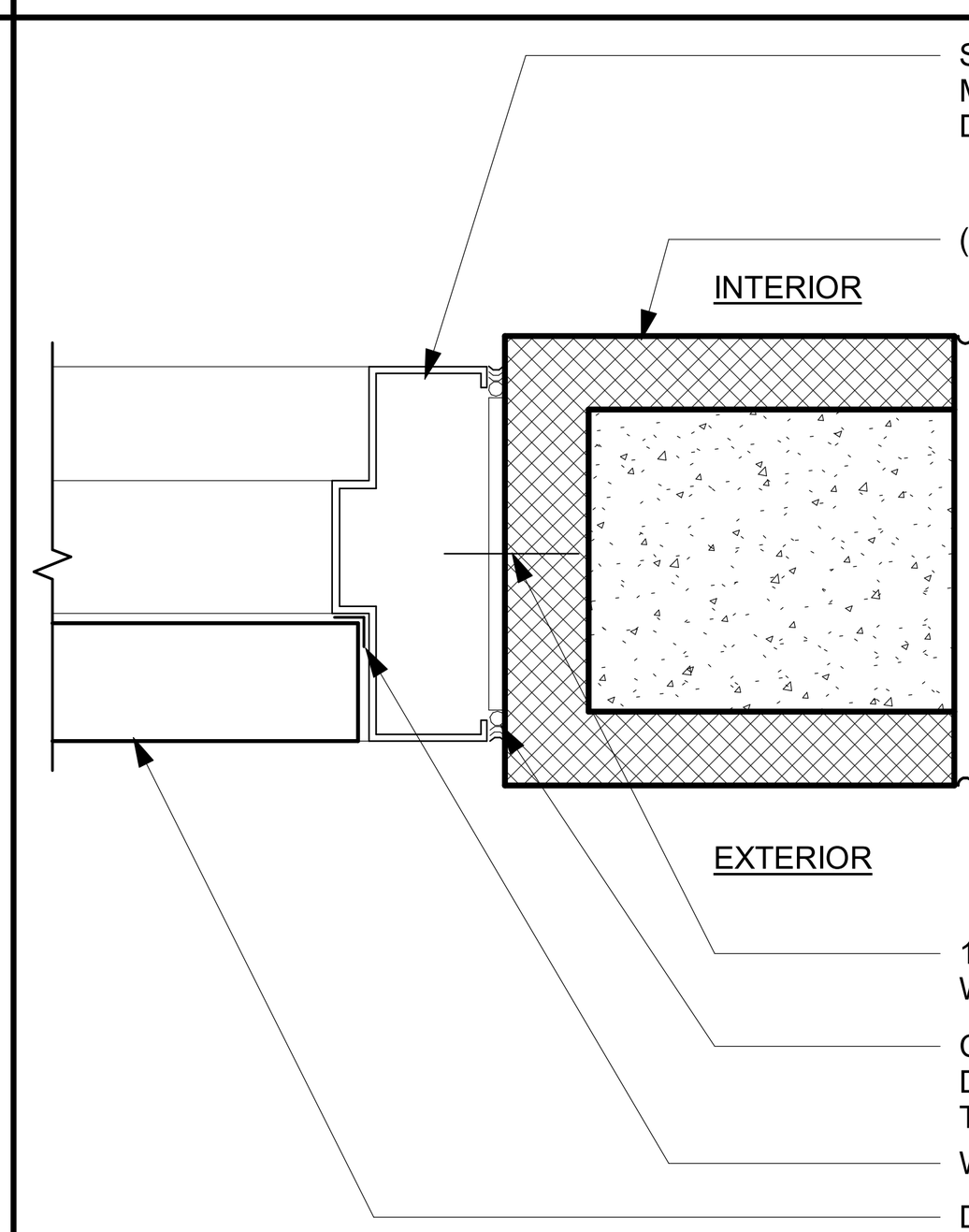
TYPE A

DOOR SCHEDULE

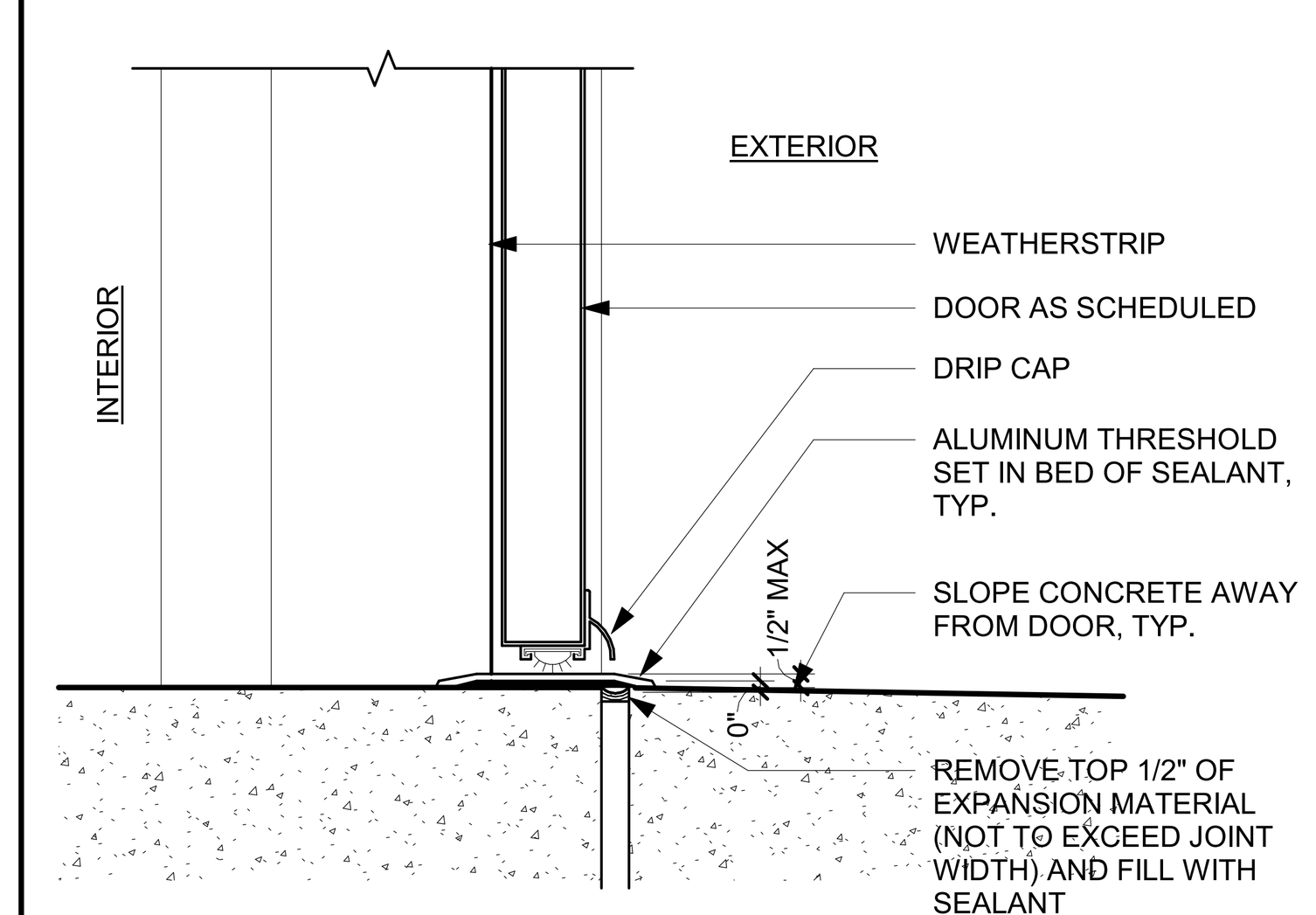
MARK	DOOR												HDW				FRAME								COMMENTS
	SIZE										LOUVER										DETAILS				
	PAIR	PANEL WIDTH	HT	THK	TYPE	MAT.	FINISH	CORE	GLASS	RATING	HT	WD	GROUP	PANIC	CLOSER	INT. LOCK	TYPE	MTL	FINISH	GLASS	HEAD	JAMB	THRESHOLD	OTHER	
109		3'-0"	7'-0"	1 3/4"	A																				



HEAD OF EXTERIOR DOOR AT CMU 3" = 1'-0" 28



JAMB OF EXTERIOR DOOR AT CMU 3" = 1'-0" 23



THRESHOLD OF EXT. DOOR AT CMU 3" = 1'-0" 18

DOOR HARDWARE

HARDWARE GROUP 01 - MULTI-OCCUPANT RESTROOMS

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	AB700 4.5 X 4	652	HAG
1 EA	CLASSROOM DEAD LOCK	L463P6	626	SCH
1 EA	PUSH PLATE	8200 8" X 16"	630	IVE
1 EA	PULL PLATE	8302 10" X 6" X 16"	630	IVE
1 EA	SURFACE CLOSER	4040XP CUSH	689	LCN
1 EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1 SET	SEALS	18061CNB (PER FOOT)	AL	PEM
3 EA	SILENCER	SR64	GRY	IVE

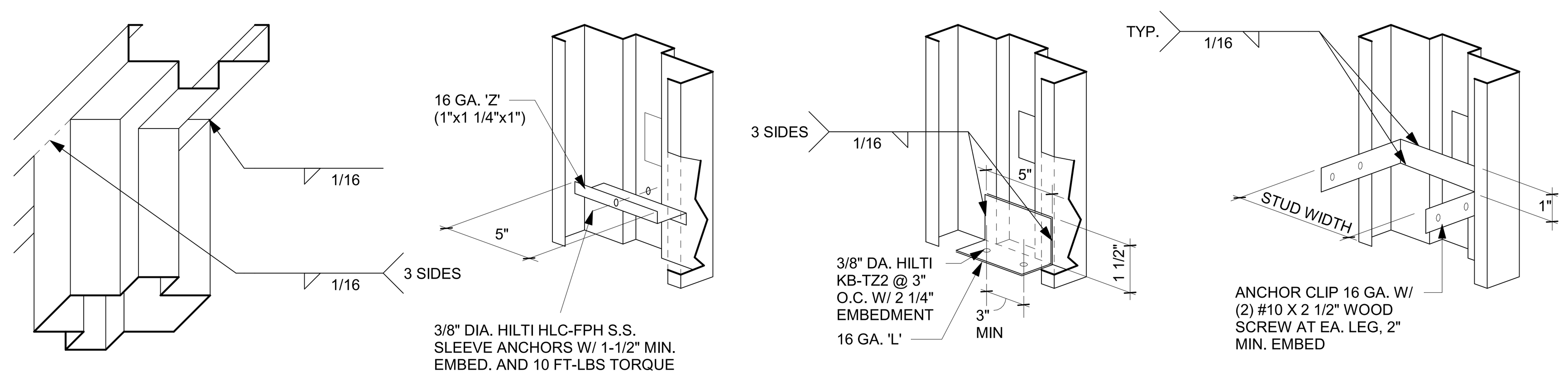
ABBREVIATIONS

GATE FINISH:
FF FACTORY FINISH - CLEAR ANODIZED
P# PAINTED - MATCH (E) ADJ.

GATE FRAME FINISH:
FF FACTORY FINISH - CLEAR
P# PAINTED - MATCH (E) ADJ.

GATE PANEL / FRAME MATERIAL:
AL ALUMINUM
CL CHAIN LINK
HM HOLLOW METAL
PC POWDER COATED
STL STEEL
VN WOOD VENEER, TRANSPARENT FINISH
WD WOOD

HARDWARE:
P PANIC - SEE ALSO CODE ANALYSIS PLAN



TYP. MULLION & HEAD WELD (D)

NOTE:
FOR ADDITIONAL INSTALLATION INFORMATION, SEE SPECIFICATIONS

BOLT-IN-Z (C)

3 ANCHORS PER JAMB, NOT TO EXCEED 24" O.C. PUNCH AND DIMPLE FOR 3/8" BOLTS AND PROVIDE 'Z' SPACERS AT EA. BOLTS, SHIELDS, SHIMS, ETC.AND 2 AT HEAD, NOT TO EXCEED 24" O.C. FOR CONNECTION AT CONCRETE PLINTH Verify if applicable.

FLOOR CLIP (B)

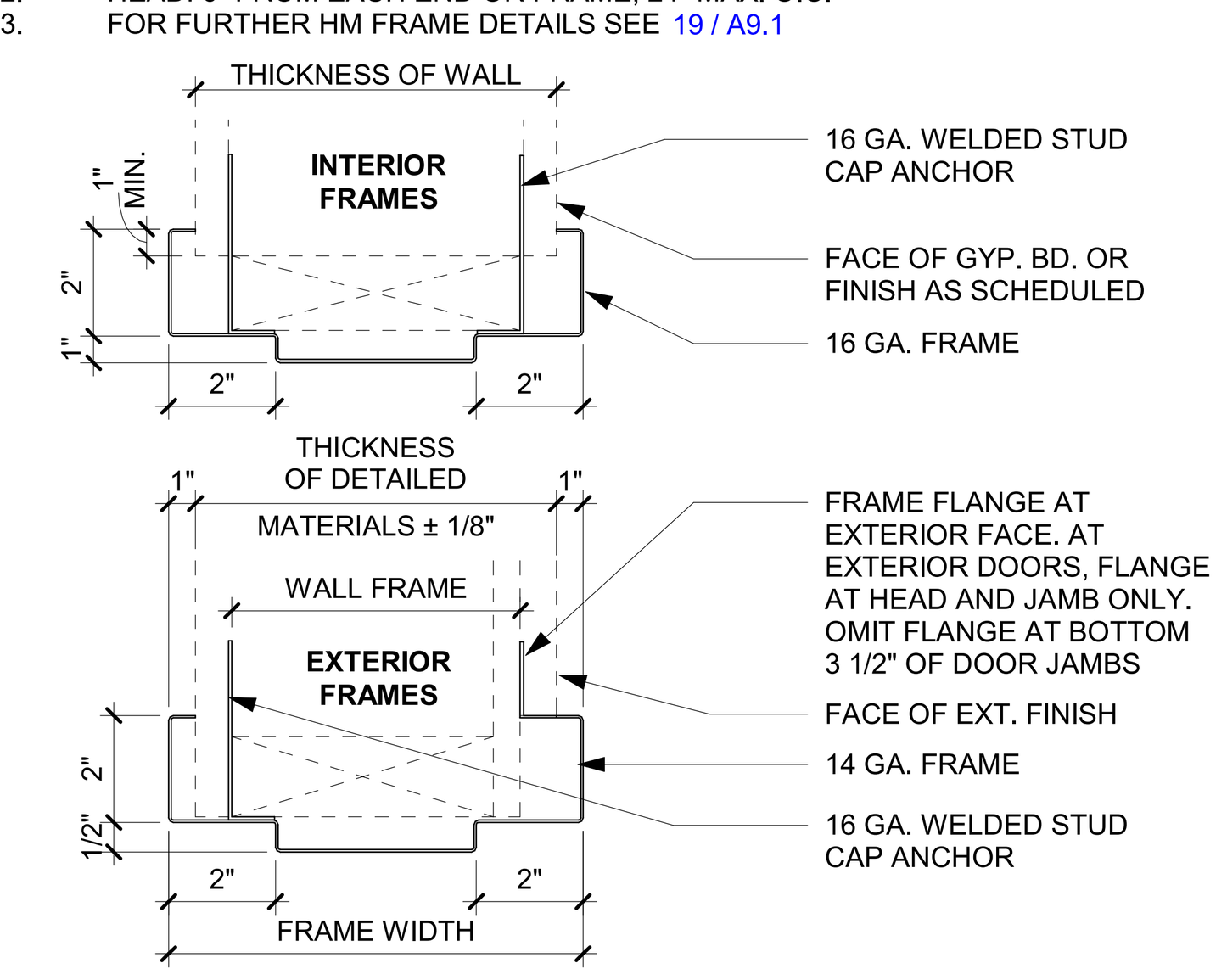
STUD CAP (A)

ANCHOR SPACING PER TYPICAL HM FRAMES DETAIL 14 / A9.1 SEE FLOOR PLAN FOR STUD SIZES. OVERLAP HM FRAME AND GYP. BD. BY 1/2"

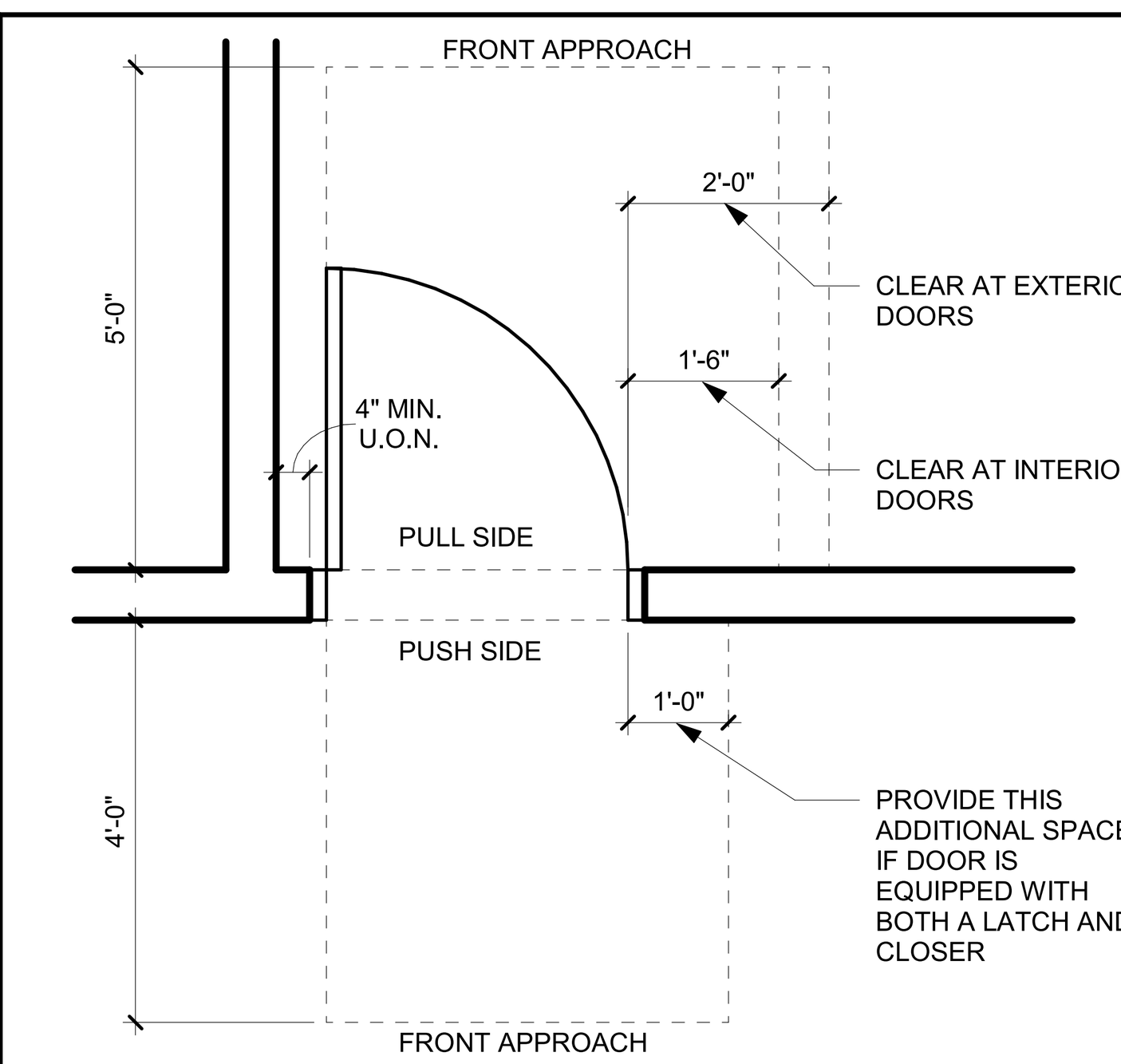
NOTES:
1. REFER TO PROFILES.
2. ALL HOLLOW METAL FRAME/JAMBS SHALL BE CUT FOR STANDARD UNIT LOCK STRIKES 3/4" HIGH.
3. FRAME DIMENSIONS ARE FROM FINISH PAVING. FRAME DIMENSIONS MAY VARY DUE TO FINISH MATERIALS.
4. SEE 'RATING' ON DOOR SCHEDULE FOR REQUIRED RATED DOORS.
5. VERIFY ALL DOOR AND FRAME OPENING SIZES AND WALL AND DOOR FRAME WIDTHS ON SITE.
6. PER CBC 715.4, APPROVED FIRE DOOR HARDWARE AND FIRE DOOR FRAMES INCLUDING THE ANCHORAGE THEREOF SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING.
7. ADHERE TO UL 10C OR NFPA 252 FOR INSTALLATION OF DOOR FRAMES.
8. UNDERCUT ALL DOORS TO CLEAR FLOOR FINISH BY 1/4" EXCEPT AT RATED DOORS

TYPICAL HM DOOR AND FRAME DETAILS 12" = 1'-0" 19

LOCATION OF WELDED ANCHORS AND ATTACHMENTS:
1. JAMBS: 6" FROM TOP OF FRAME, 9" FROM BOTTOM OF FRAME, 24" MAX. O.C.
2. HEAD: 6" FROM EACH END OR FRAME, 24" MAX. O.C.
3. FOR FURTHER HM FRAME DETAILS SEE 19 / A9.1



TYPICAL HM FRAMES 3" = 1'-0" 14



TYPICAL DOOR CLEARANCES 1/2" = 1'-0" 9

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DATE: 08/22/2024

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA DATE SIGNED: 03/18/2024	

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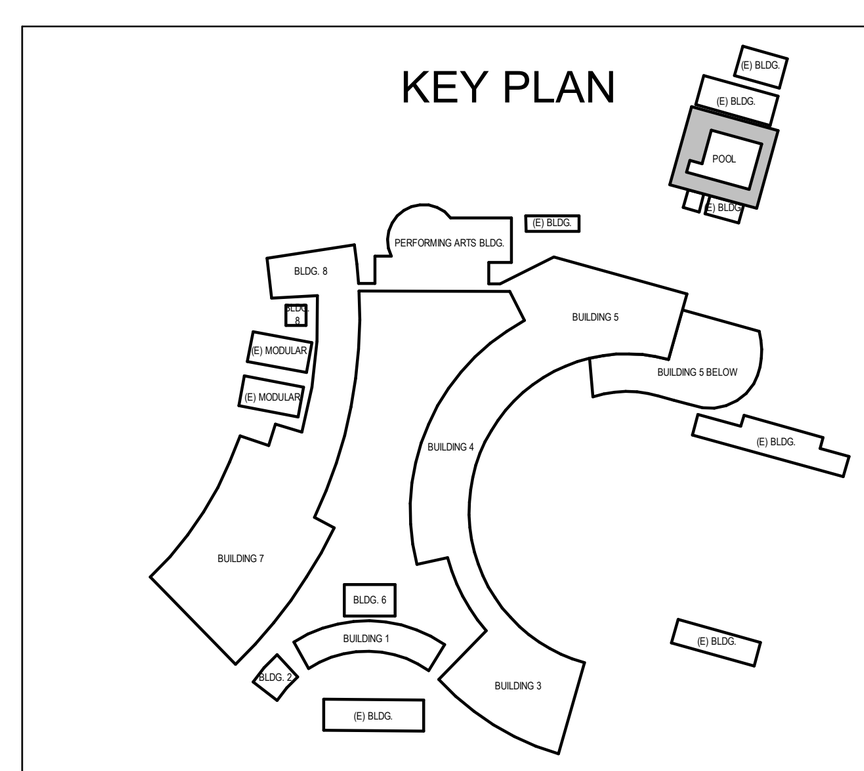
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
● DSA PLAN CHECK	03.18.2024
○ DSA BACK CHECK	
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

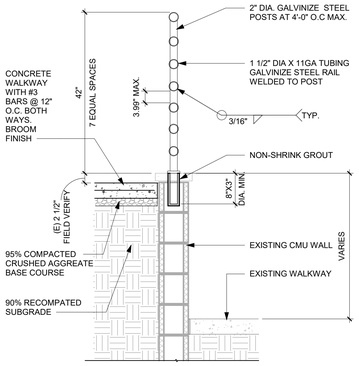
DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

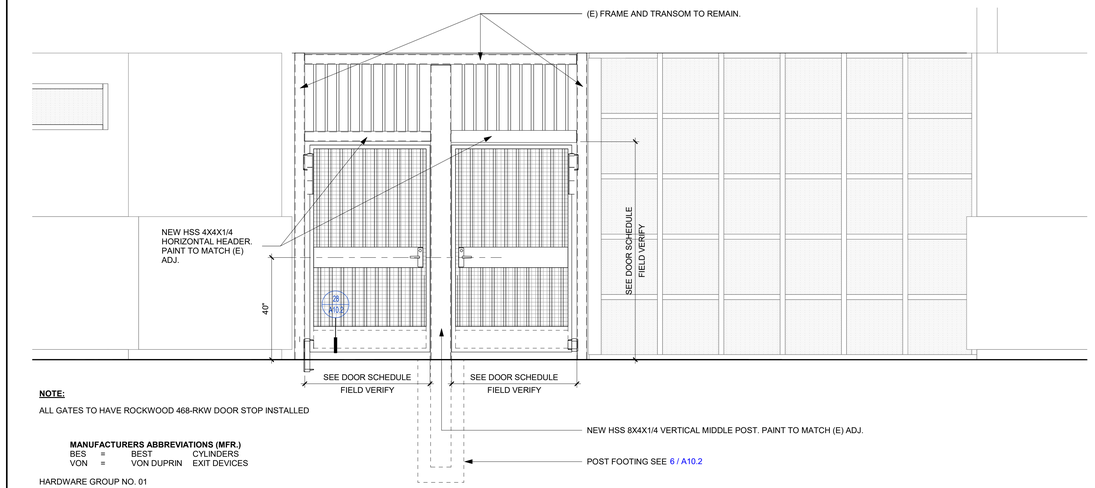
DOOR, GATE & WINDOW SCHEDULE

Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A9.1
Drawn: Author	Checked: Checker

PRINT DATE: 7/24/2024 8:00:13 AM
FILE PATH: BIM 360://23071 MVUSD MVHS Pool Modernization/23071-MVHS Pool Modernization-A21.rvt



GUARD RAIL AT EXITING CMU WALL 3/4" = 1'-0" 27



NOTE:

ALL GATES TO HAVE ROCKWOOD 468-RKW DOOR STOP INSTALLED

MANUFACTURERS ABBREVIATIONS (MFR.)

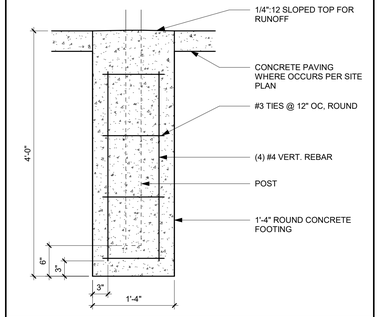
BES	=	BEST	CYLINDERS		
VON	=	VON DUPRIN	EXIT DEVICES		

HARDWARE GROUP NO. 01

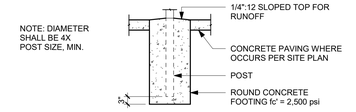
1 EA PANIC HARDWARE	CDSI-PA-AX-99-L-KC-06-WH	626	VON
2 EA CYLINDER/CORES	FURNISHED BY BEST	626	

BALANCE OF HARDWARE BY GATE FABRICATOR

ENTRY GATE ELEVATION 1/2" = 1'-0" 12



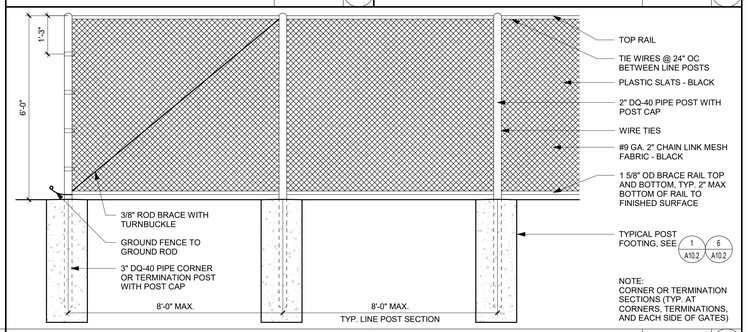
POST FOOTING - REINFORCED 1" = 1'-0" 6



CHAIN LINK: 6'-0" HIGH	
TYPE	**POST FOOTING**
CORNER, END, AND PULL POSTS	39" x 14" DIA.
LINE POSTS	36" x 12" DIA.
GATE AND LATCH POSTS: 3'-0" TO 5'-0" WIDE	48" x 14" DIA.
GATE AND LATCH POSTS: 10'-0" WIDE	48" x 18" DIA.
GATE AND LATCH POSTS: 12'-0" WIDE	48" x 26" DIA.

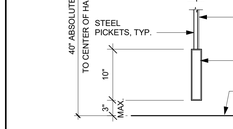
ORNAMENTAL: 6'-0" HIGH	
TYPE	**POST FOOTING**
SINGLE GATE: 4'-0" WIDE	4'-8" x 14" Ø
SINGLE GATE: 5' TO 11'-11" WIDE	5'-6" x 24" Ø
TERMINAL OR LINE POST OR GATE STOP	2'-6" x 14" Ø

FENCE FOOTING SCHEDULE 1/2" = 1'-0" 1



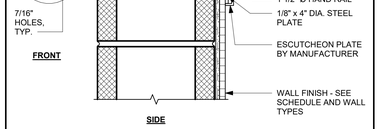
NOTE:
CORNER OR TERMINATION SECTIONS (TYP. AT CORNERS, TERMINATIONS, AND EACH SIDE OF GATES)

CHAIN LINK FENCE TYPICAL ELEVATION 1/2" = 1'-0" 2



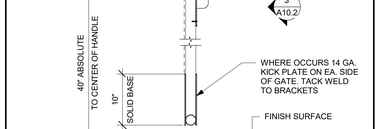
REF: 7 / A10.2

GATE PANIC HARDWARE SECTION 1" = 1'-0" 28



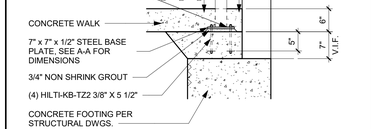
REF: 22 / A7.1

RAILING AT WALL 3" = 1'-0" 23



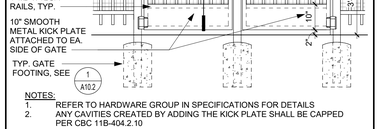
REF: 3 / A10.2

CHAIN LINK GATE WITH PANIC HARDWARE SECTION 1" = 1'-0" 18



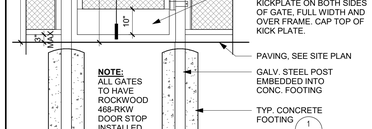
REF: 8 / A10.2

FENCE FOOTING AT BUILDING 3/4" = 1'-0" 13



NOTES:
1. REFER TO HARDWARE GROUP IN SPECIFICATIONS FOR DETAILS
2. ANY CAVITIES CREATED BY ADDING THE KICK PLATE SHALL BE CAPPED PER CBC 11B-404.2.10

ORNAMENTAL DOUBLE GATE - PULL SIDE ELEVATION 1/2" = 1'-0" 7

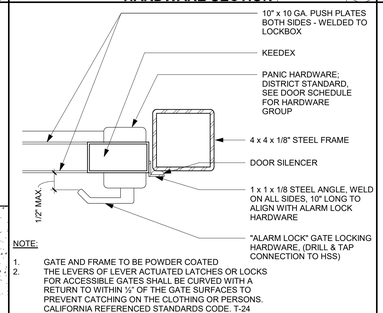


NOTE:
ALL GATES TO HAVE ROCKWOOD 468-RKW DOOR STOP INSTALLED

CHAIN LINK GATE 1/2" = 1'-0" 3

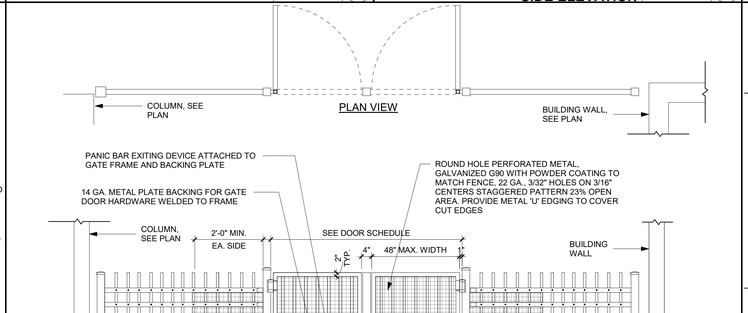
REF: 22 / A7.1

RAILING POST 3" = 1'-0" 24



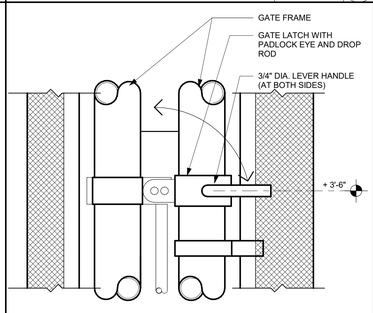
NOTE:
1. GATE AND FRAME TO BE POWDER COATED
2. THE LEVERS OF LEVER ACTUATED LATCHES OR LOCKS FOR ACCESSIBLE GATES SHALL BE CURVED WITH A RETURN TO WITHIN ½" OF THE GATE SURFACES TO PREVENT CATCHING ON THE CLOTHING OR PERSONS. CALIFORNIA REFERENCED STANDARDS CODE. T-24 PART 12, SECTION 12-10-202, ITEM (F).

ORNAMENTAL GATE LATCH 3" = 1'-0" 19



NOTES:
1. GRIND SMOOTH ALL WELDED JOINTS
2. FOR GATE INFORMATION, SEE GATE SCHEDULE ON SHEET A9.1
3. ANY CAVITIES CREATED BY ADDING THE KICK PLATE SHALL BE CAPPED PER CBC 11B-404.2.10
4. FOR PULL SIDE ELEVATION SEE DETAIL 7 / A10.2
5. PER SFM STANDARD 12-10-3, SECTION 12-10-302:
   A. THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.
   B. THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

ORNAMENTAL DOUBLE GATE 1/2" = 1'-0" 8

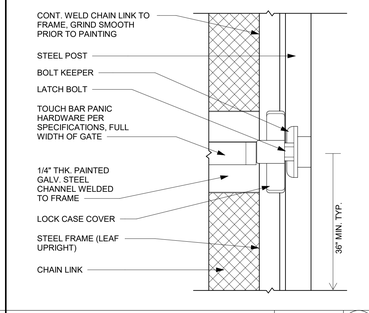


GATE LATCH 3" = 1'-0" 4



NOTE:
ACCESSIBLE SIGN TO BE LOCATED ON FACE OF COLUMN UNLESS NOTED OTHERWISE

ACCESSIBLE STALL SIGNAGE 3/4" = 1'-0" 20



PANIC HARDWARE 1/2" = 1'-0" 5

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ARCHITECT	ENGINEER

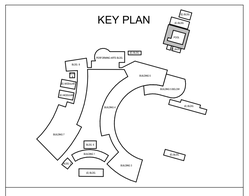
LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA
DATE SIGNED: 03/18/2024

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REVISION HISTORY	NO.	REMARKS	DATE

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- ● DSA PLAN CHECK — 03.18.2024
- ○ DSA BACK CHECK
- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN



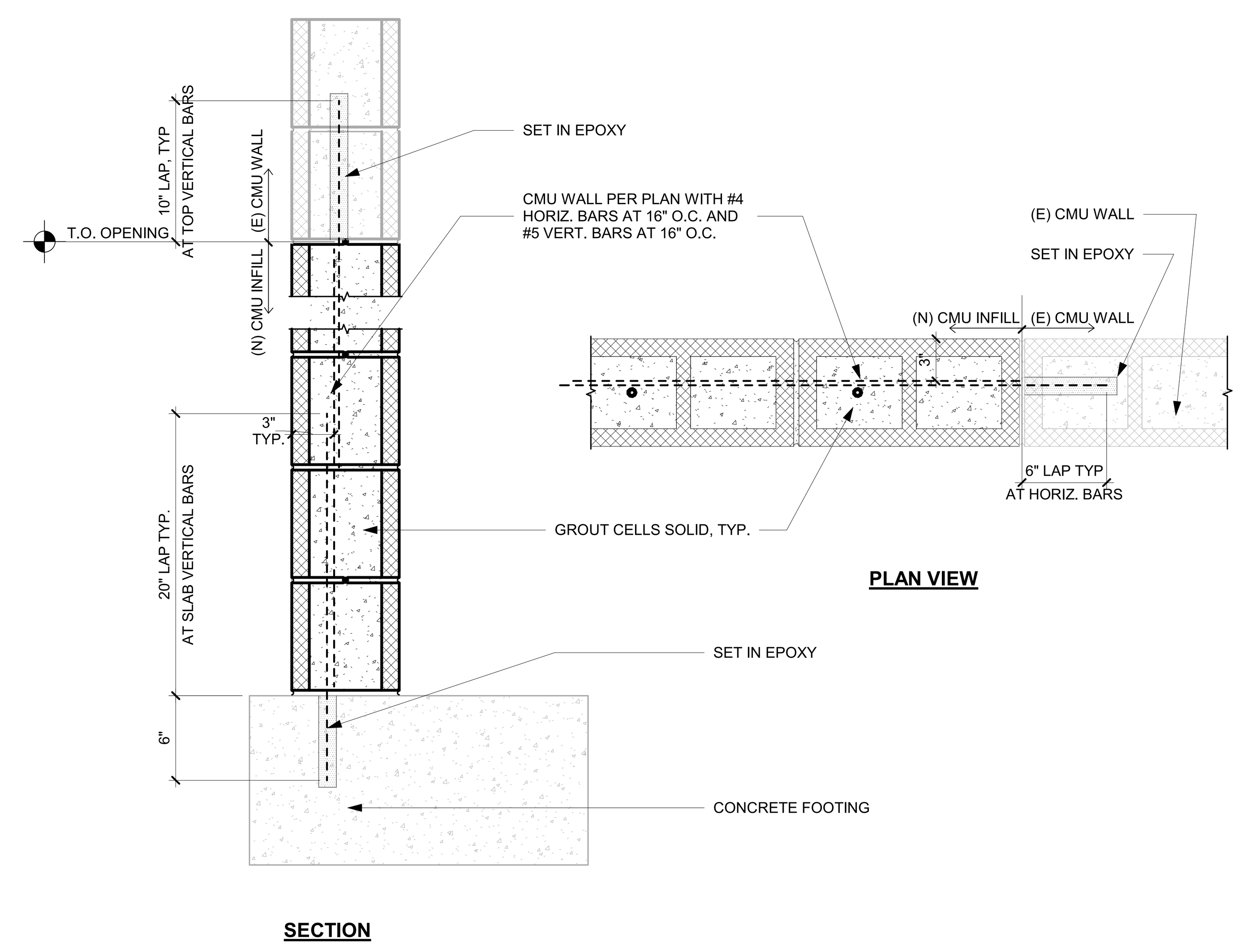
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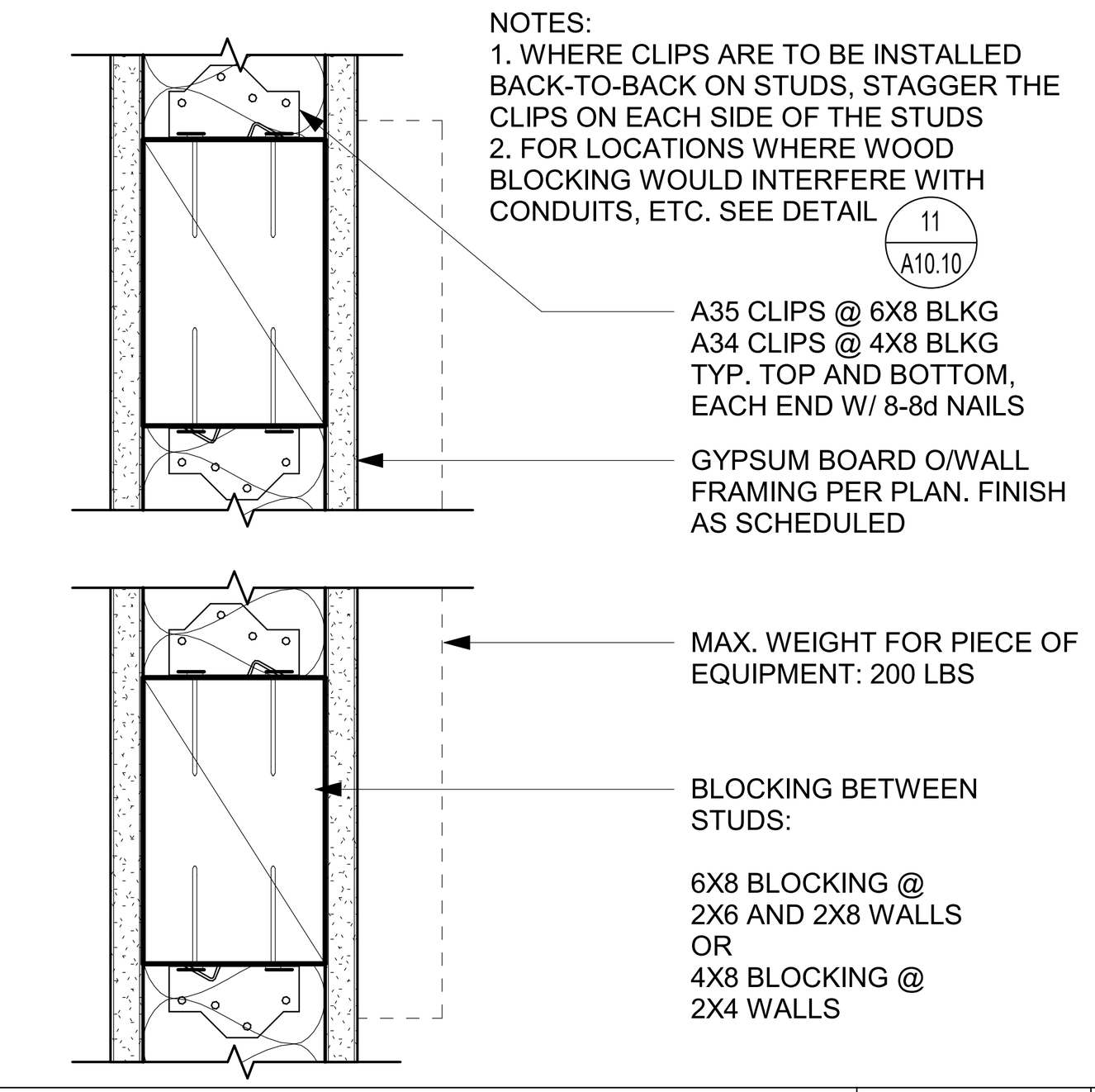
SITE DETAILS

Date 03/18/2024	Project Number 23071
Application Number 04-123133	Drawing Number A10.2
Drawn / Checked	
Author / Checker	

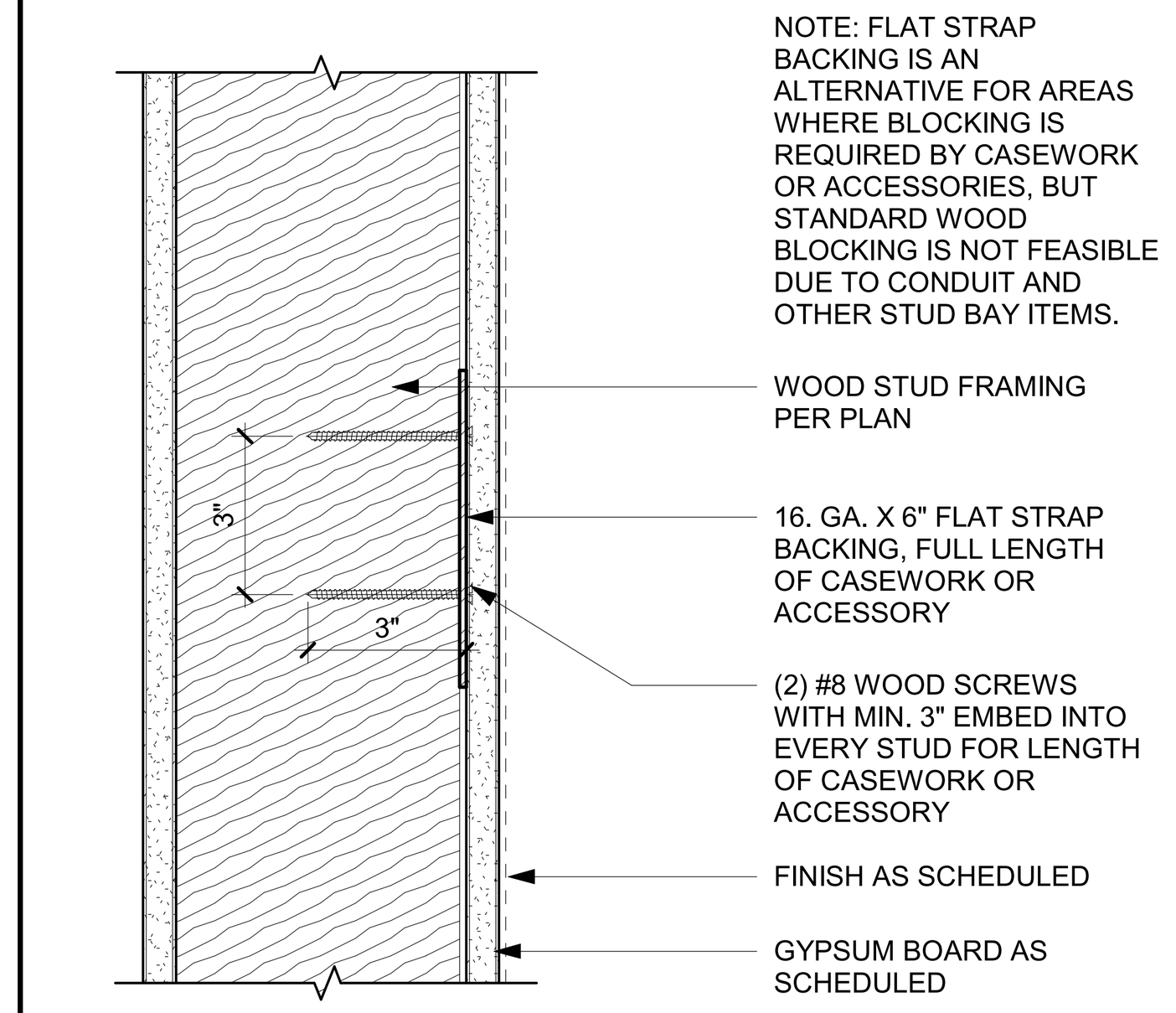


REF: 19 / A7.1

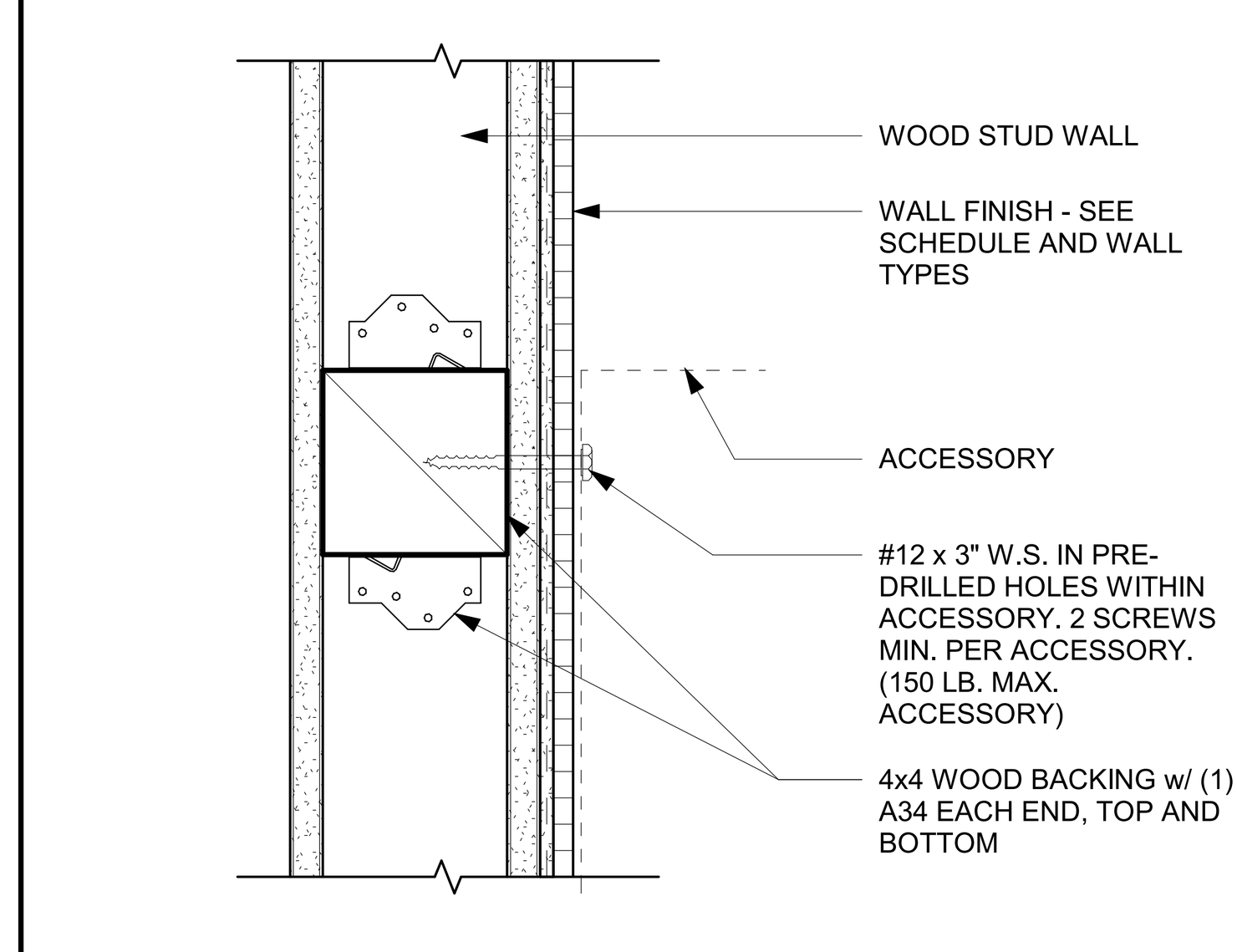
CMU INFILL WALL | 1 1/2" = 1'-0" | 26



TYPICAL WALL BLOCKING | 3" = 1'-0" | 21



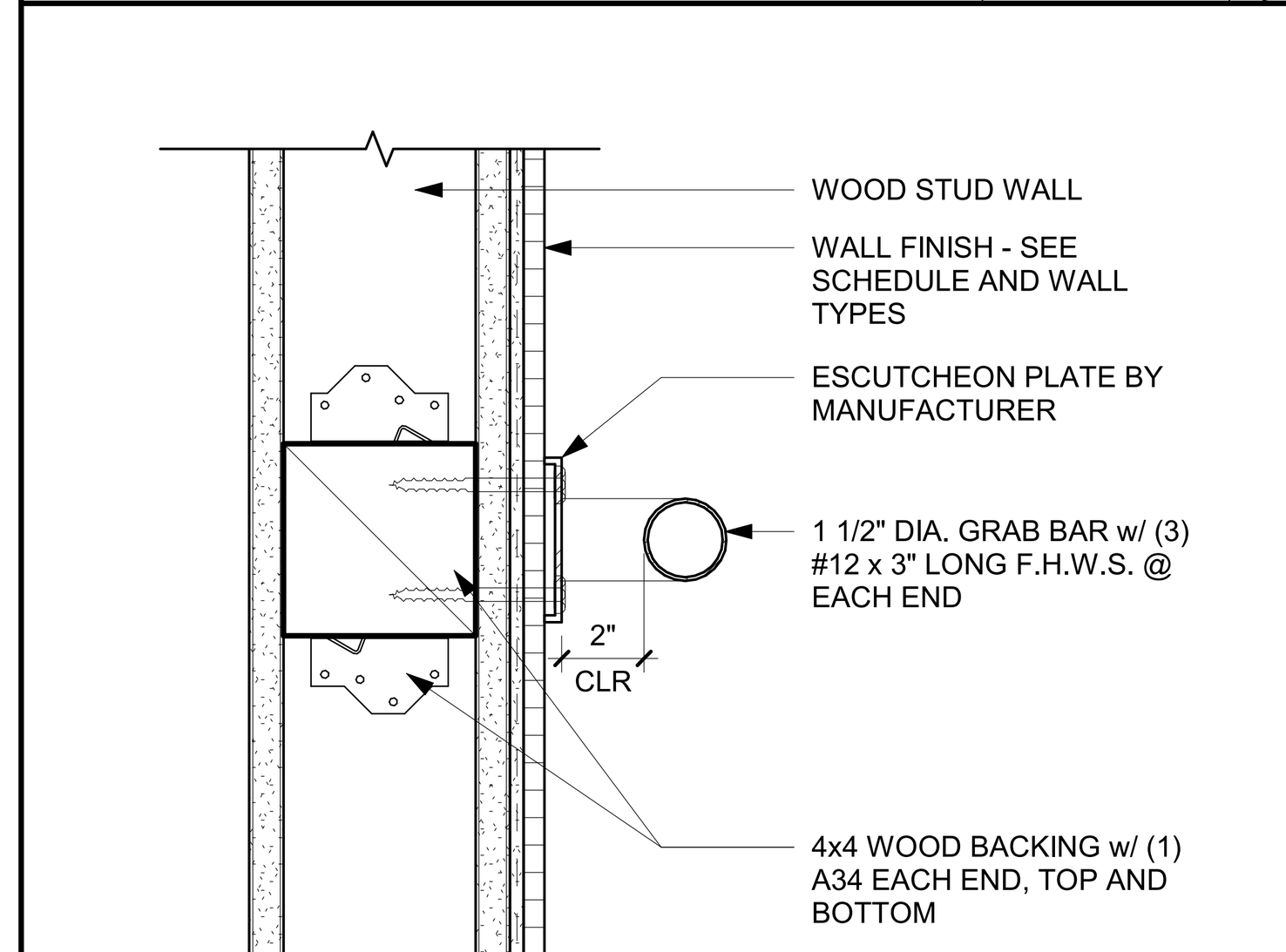
FLAT STRAP BACKING | 3" = 1'-0" | 11



TYPICAL ACCESSORY MOUNTING | 3" = 1'-0" | 6

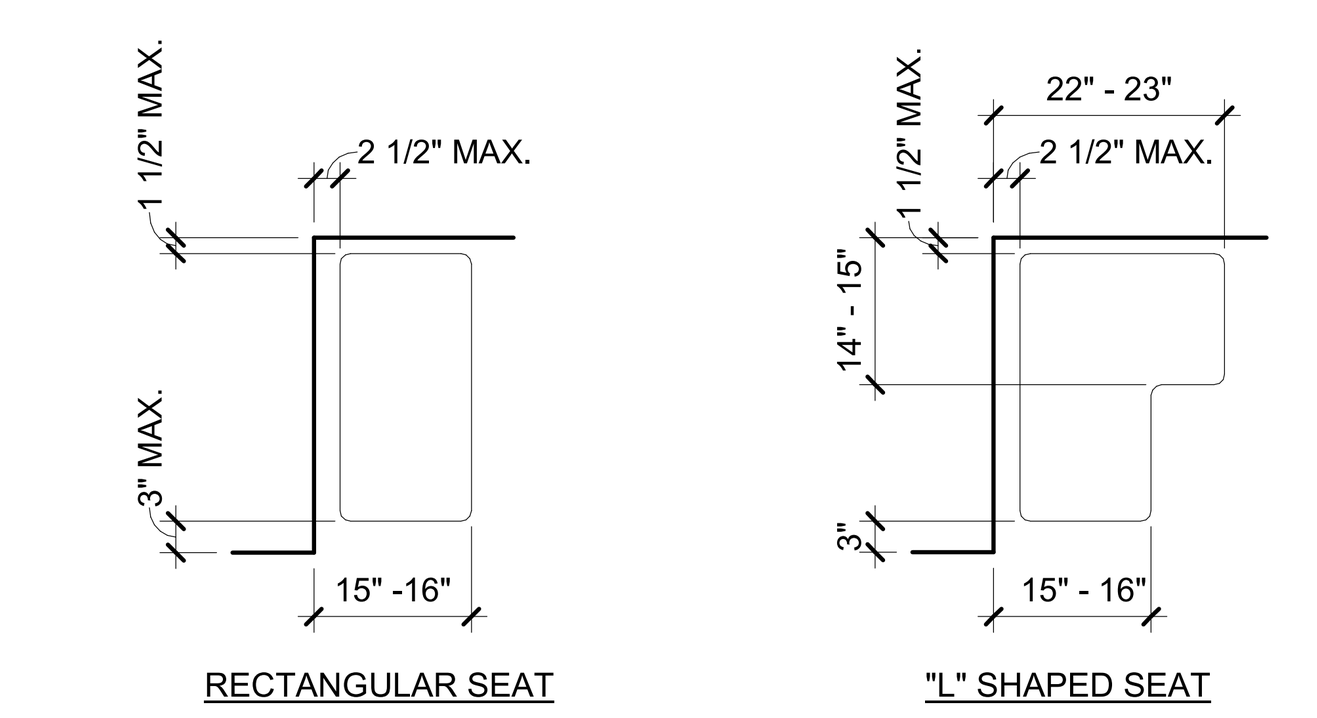
KEYNOTES

NUMBER	NOTE
02 310	(E) TOILET PARTITION TO REMAIN
02 311	(E) ACCESSIBLEWATER CLOSET TO REMAIN
02 312	(E) GRAB BAR TO REMAIN
02 322	(E) URINAL TO REMAIN
02 323	(E) MIRROR TO REMAIN
02 324	(E) SANITARY NAPKIN DISPENSER
02 325	(E) HAND DRYER TO REMAIN
02 326	(E) SOAP DISPENSER TO REMAIN
02 327	(E) LAVATORY TO REMAIN
02 330	(E) WATER CLOSET TO REMAIN
10 203	GRAB BAR (SEE DETAIL 22/A10.10)
10 212	TOILET PAPER DISPENSER, SURFACE MOUNTED



REF: 12 / A7.1

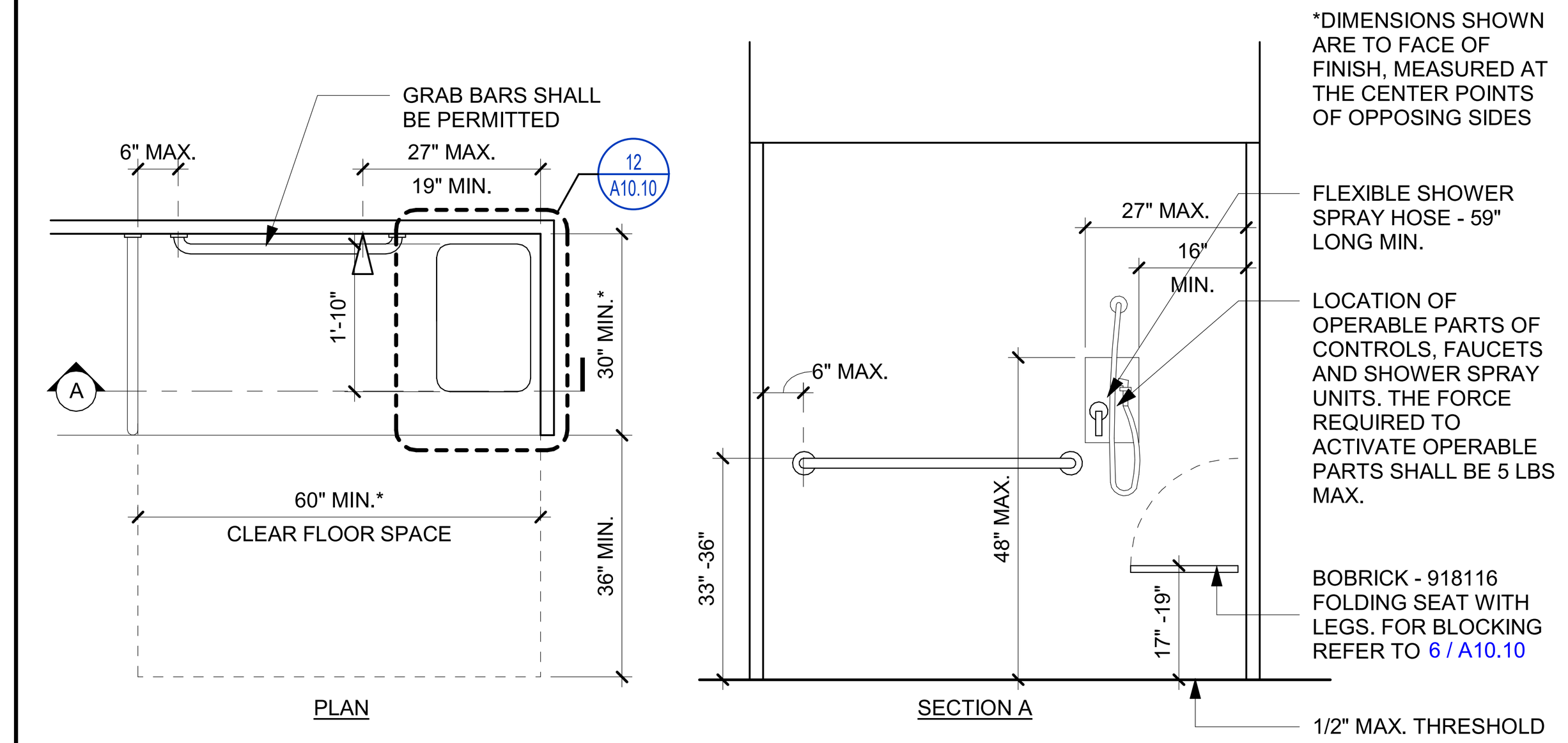
GRAB BAR ANCHORAGE | 3" = 1'-0" | 22



1. BACKING IS REQUIRED FOR INSTALLATION OF SEAT, SEE GRAB BAR MOUNTING DETAIL. PROVIDE MINIMUM STRUCTURAL STRENGTH TO SUPPORT A 250 LB. POINT LOAD.
2. THE TOP OF THE SEAT SHALL BE 17" MIN. AND 19" MAX. ABOVE THE FINISH FLOOR.
3. A SEAT IN A ROLL-IN SHOWER COMPARTMENT SHALL BE A FOLDING TYPE. WHEN FOLDED, THE SEAT SHALL EXTEND 6" MAXIMUM FROM THE MOUNTING WALL.

REF: 2 / A10.10

SHOWER SEAT | 1/2" = 1'-0" | 12

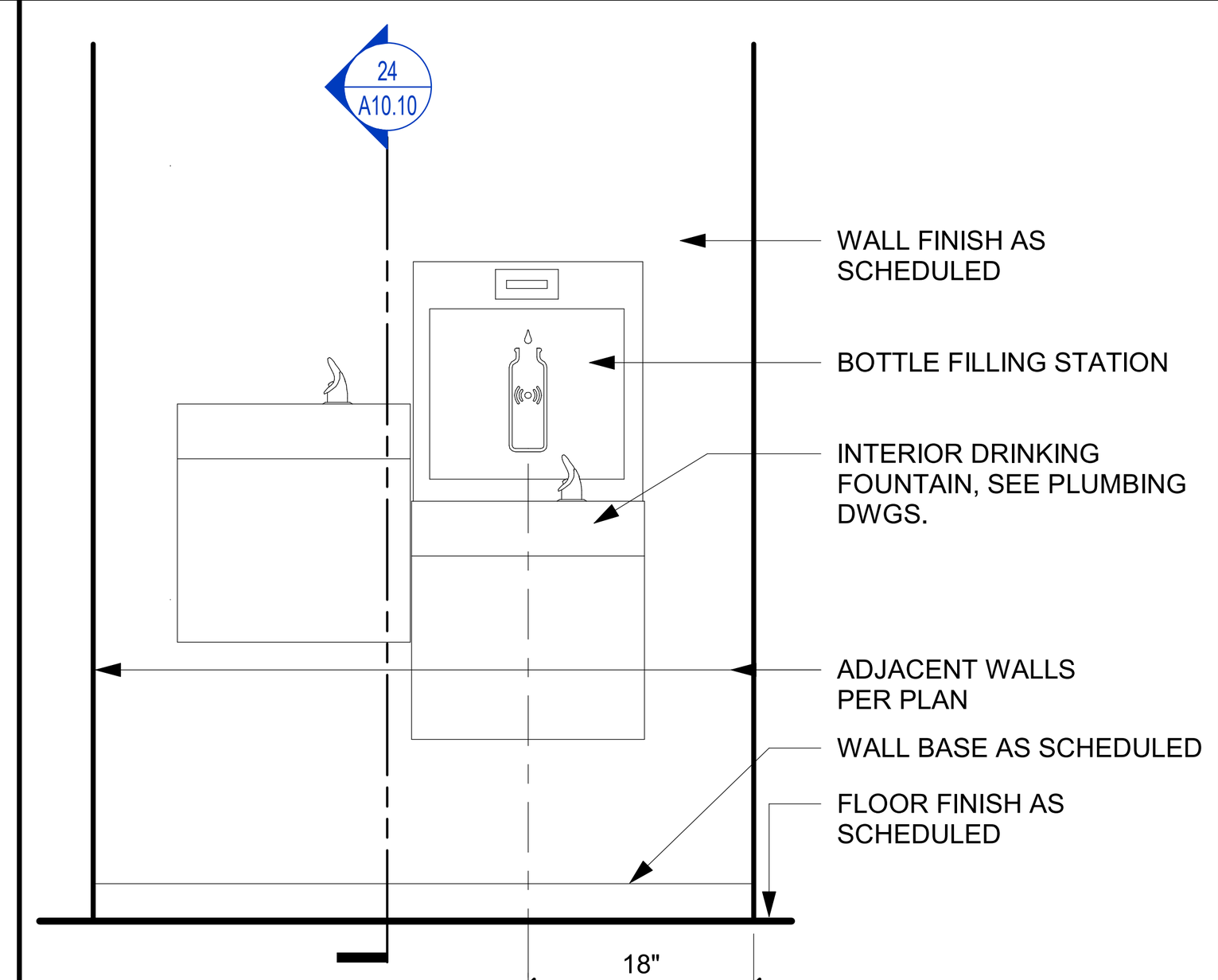


NOTES:

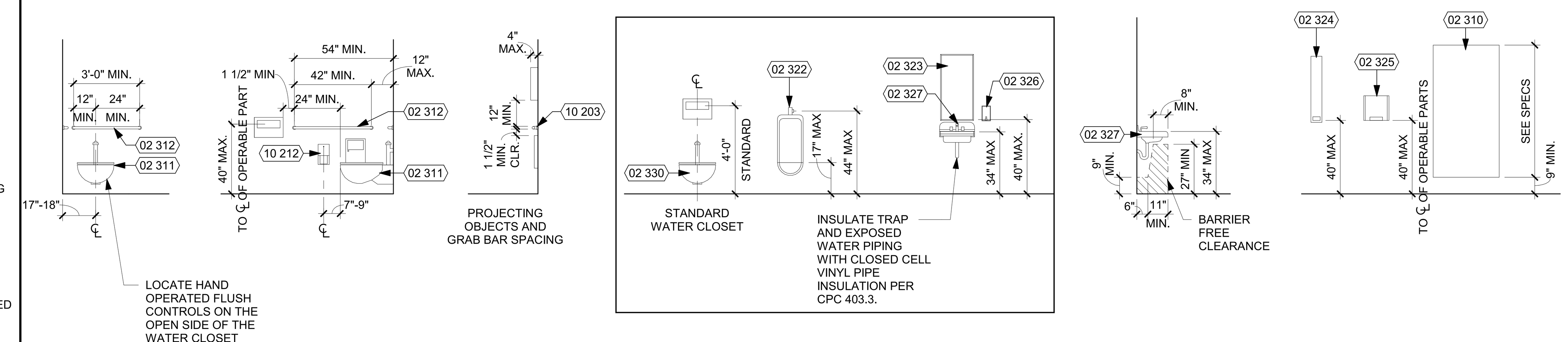
1. SHOWER FLOOR SURFACES SHALL BE OF CARBORUNDUM OR GRIT-FACED TILE OR OP MATERIAL PROVIDING EQUIVALENT SLIP RESISTANCE
2. 2% MAX. FLOOR SLOPE IN ANY DIRECTION.
3. SOAP DISH MOUNTED ON THE CONTROL WALL AT 40" MAX. HEIGHT AND WITHIN REACH OF SEAT (BETWEEN 18" AND 24" FROM REAR EDGE OF SEAT.)
4. WHERE DRAINS ARE PROVIDED, GRATE OPENINGS ARE A MIN. OF 1/4" AND LOCATED FLUSH WITH THE FLOOR SURFACE.
5. BACKING IS REQUIRED FOR INSTALLATION OF GRAB BARS AND SEAT. SEE 22 A10.10

REF: 7 / A7.1

SHOWER STALL - 30X60 | 1/2" = 1'-0" | 2

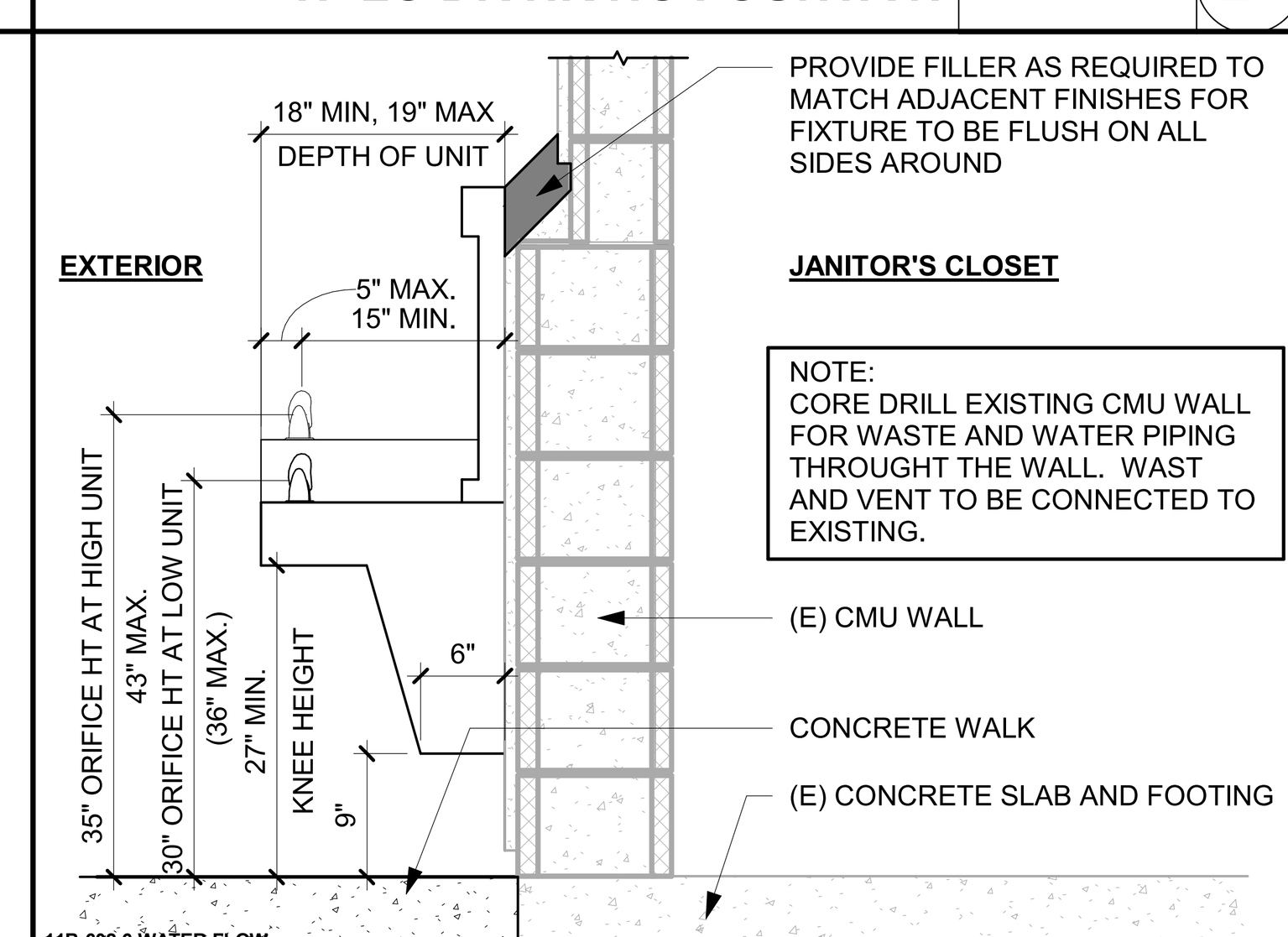


HI-LO DRINKING FOUNTAIN | 3/4" = 1'-0" | 23



NOTES:
1. ALL DIMENSIONS MARKED WITH AN ASTERISK (*) REFERENCE TOILET FIXTURES AND ACCESSORIES SCHEDULE BELOW.
2. FOR TYPICAL ACCESSORY MOUNTING SEE DETAIL 6 / A10.10
3. REFER TO KEYNOTE LIST FOR ADDITIONAL DETAILS.

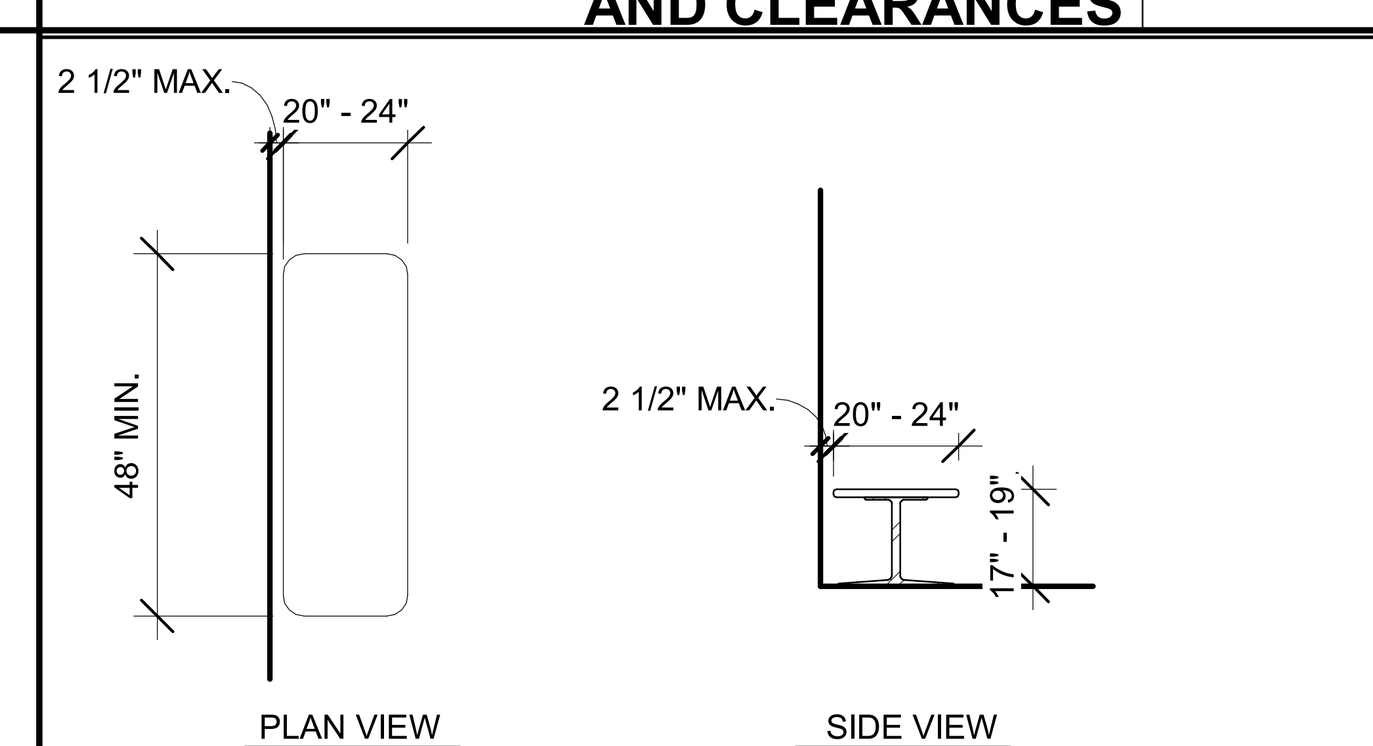
TYPICAL FIXTURE AND ACCESSORY DIMENSIONS | 1/4" = 1'-0" | 3



THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES (102 MM) HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES (127 MM) MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES (76 MM) OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES (76 MM) AND 5 INCHES (127 MM) MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

REF: 23 / A10.10

HI LO DRINKING FOUNTAIN SECTION AND CLEARANCES | 3/4" = 1'-0" | 24



1) BENCHES SHALL BE AFFIXED TO THE WALL OR FLOOR. ALLOWABLE STRESS SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERICAL OR HORIZONTAL FORCE OF 250 LBS. IS APPLIED TO ANY POINT ON THE SEAT, FATENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.
2) WHERE INSTALLED IN WET LOCATIONS, THE SURFACE OF THE SEAT SHALL BE SLIP RESISTANT AND SHALL NOT ACCUMULATE WATER.
3) BENCHES SHALL BE AFFIXED TO A WALL ALONG ITS LONG DIMENSION OR WITH BACK SUPPORT COMPLYING WITH 11B-903.4

LOCKER ROOM BENCH | 1/4" = 1'-0" | 17

TOILET FIXTURES AND ACCESSORIES SCHEDULE

KEY	FIXTURE	DIMENSION REFERENCE	ADULT DIMENSION	2022 CBC REFERENCES: T: TABLE S: SECTION F: FIGURE	RECOMMENDED TOILET ACCESSORIES MANUFACTURER (BASIS OF DESIGN)
10 203	GRAB BAR	TOP OF GRIPPING SURFACE	33" - 36"	T: 11B-604.9	BOBRICK 5806 (STRAIGHT GRAB BARS)
02 312	(E) GRAB BAR				
02 310	(E) TOILET PARTITION	TOE CLEARANCE	9" MIN.		
02 326	(E) SOAP DISPENSER	ABOVE FINISH FLOOR	40" MAX. TO CENTERLINE OF OPERABLE PART	S: 11B-603.5	
02 325	(E) ELECTRIC HAND DRYER	ABOVE FINISH FLOOR	40" MAX. TO CENTERLINE OF OPERABLE PART	S: 11B-603.5	
02 323	(E) MIRROR	BOTTOM EDGE OF REFLECTING SURFACE	40" MAX. ABOVE LAVATORY OR COUNTERTOP 35" MAX. NOT ABOVE LAVATORY OR COUNTERTOP	S: 11B-603.5	
		BOTTOM EDGE OF REFLECTING SURFACE	20" MAX. IN DRESSING, FITTING, & LOCKER ROOMS	S: 11B-803.6	
10 212	TOILET PAPER DISPENSER	OUTLET HEIGHT	19" MIN. AND BELOW GRAB BAR	T: 11B-604.9 S: 11B-604.7	BOBRICK B-2888 TOILET TISSUE DISPENSER SURFACE MOUNTED
		FURTHEST IN FRONT OF WATER CLOSET	7" MIN. - 9" MAX. TO CENTERLINE OF DISPENSER		
02 324	(E) SANITARY NAPKIN DISPENSER	ABOVE FINISH FLOOR	40" MAX. TO CENTERLINE OF OPERABLE PART	S: 11B-603.5	
22 403	HI-LO DRINKING FOUNTAIN	HIGH SPOUT HEIGHT	38" MIN. - 43" MAX.	S: 11B-602.7	
		LOW SPOUT APPROACH, HEIGHT, AND LOCATION FROM FRONT EDGE OF THE UNIT INCLUDING BUMPERS	FRONT APPROACH PER 11B-306, 36" MAX. A.F.F., AND 5" MAX. FROM FRONT EDGE OF UNIT.	S: 11B-602.2 - EXCEPTION S: 11B-602.4 S: 11B-602.5	
		OPERABLE PARTS	6" MAX. FROM FRONT EDGE OF UNIT	S: 11B-602.3	
		PROJECTION	18" - 19"	S: 11B-602.9	
02 330	(E) STANDARD WATER CLOSET				
02 311	(E) ACCESSIBLE WATER CLOSET	CENTERLINE FROM WALL (TOILET OFFSET)	17" - 18" WHEEL CHAIR 17" - 19" AMBULATORY	T: 11B-604.9	
		SEAT HEIGHT (TOP OF SEAT)	17" - 19"	T: 11B-604.9	
02 322	(E) ACCESSIBLE URINAL	RIM HEIGHT	17" MAX.	S: 11B-605.2	
		PROJECTION	13 1/2" MIN.	S: 11B-605.2	
		FLUSH CONTROL HEIGHT	44" MAX.	S: 11B-605.4	
02 327	(E) LAVATORY (W/ INSULATED DRAIN)	SINK RIM HEIGHT	34" MAX.	S: 11B-606.2 S: 11B-606.3	
		SINK KNEE CLEARANCE	27" MIN. (29" AT APRON FOR LAVATORY)	S: 11B-606.2 F: 11B-306.3	

NOTES:
1. ALL FIXTURES AND ACCESSORIES ARE ACCESSIBLE UNLESS OTHERWISE NOTED OR DIMENSIONED.
   A. (*) WHEN A SPECIFIC AGE GROUP IS CALLED OUT ON THE ENLARGED RESTROOM PLANS, ALL FIXTURES AND ACCESSORIES MARKED WITH AN ASTERISK (*) SHALL BE INSTALLED AT HEIGHTS INDICATED PER THAT AGE GROUP.
2. SEE ENLARGED TOILET PLAN DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
3. ALL ACCESSORIES ARE TO BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 3'-4" FROM FLOOR TO TOP OF FUNCTIONAL POINT.
4. ALL HEIGHT DIMENSIONS ARE A.F.F. (OR A.F.G. FOR EXTERIOR). ALL HORIZONTAL DIMENSIONS ARE TO FACE OF FINISH.
5. FOR TYPICAL ACCESSORY BACKING INFORMATION, SEE DETAIL 6 / A10.10

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SS ☑ FLS ☑ ACS ☑
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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA DATE SIGNED: 03/18/2024	

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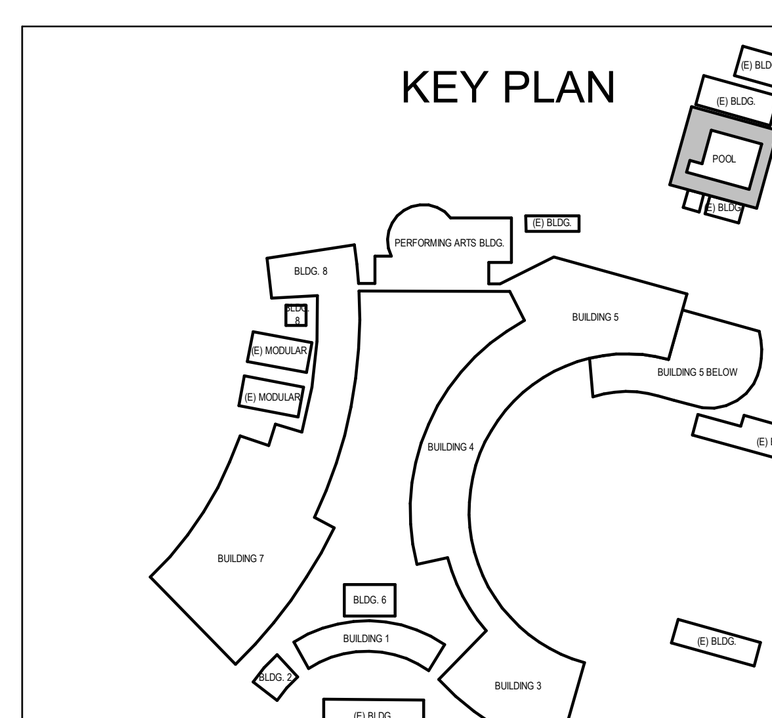
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KEY PLAN



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MURRIETA, CA 92562

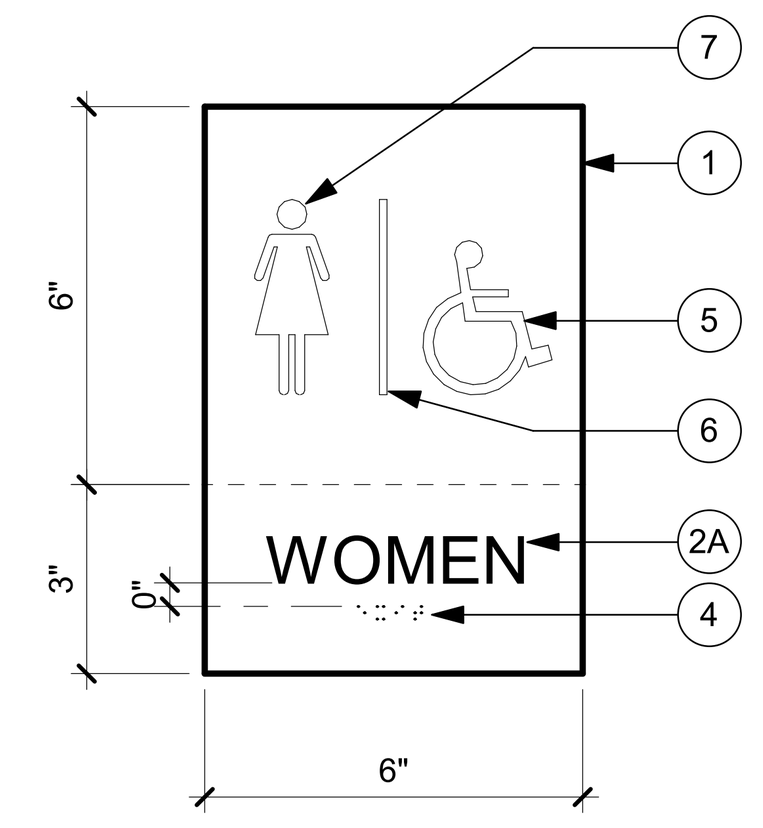
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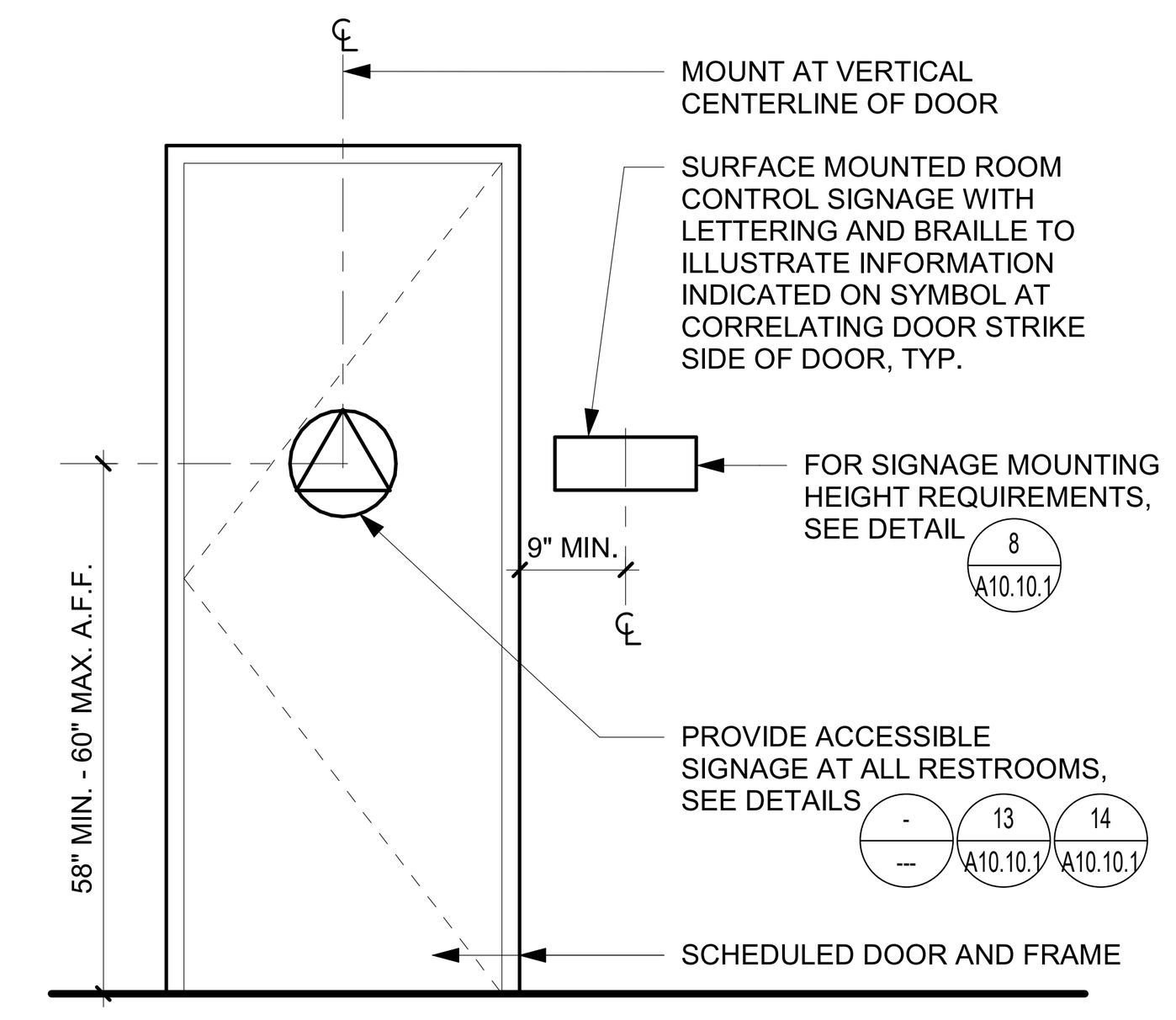
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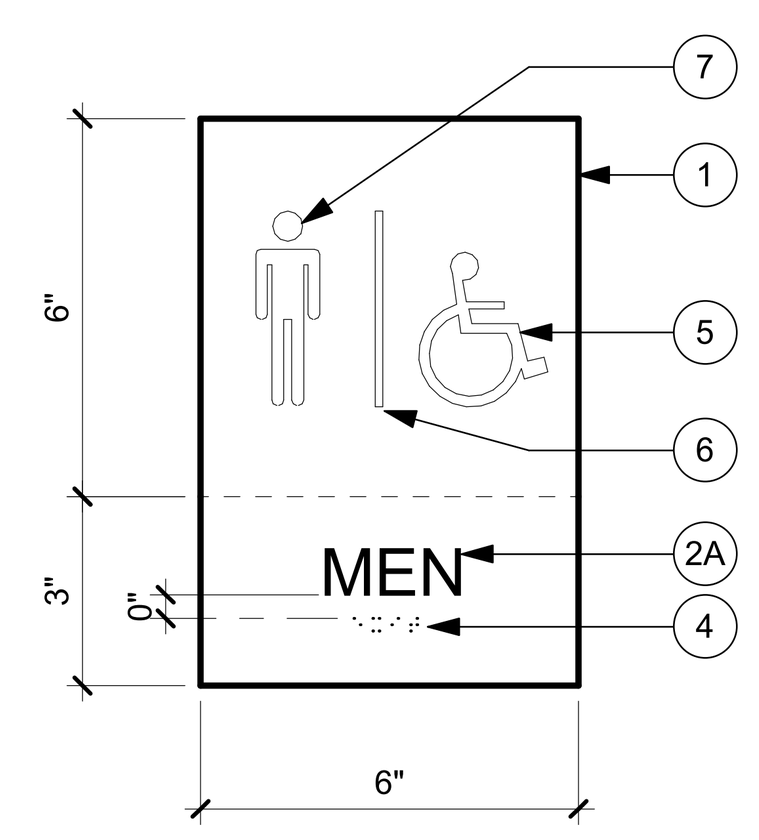


NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2 / A10.10.1

WOMEN WALL MOUNTED SIGNAGE 3" = 1'-0" 11

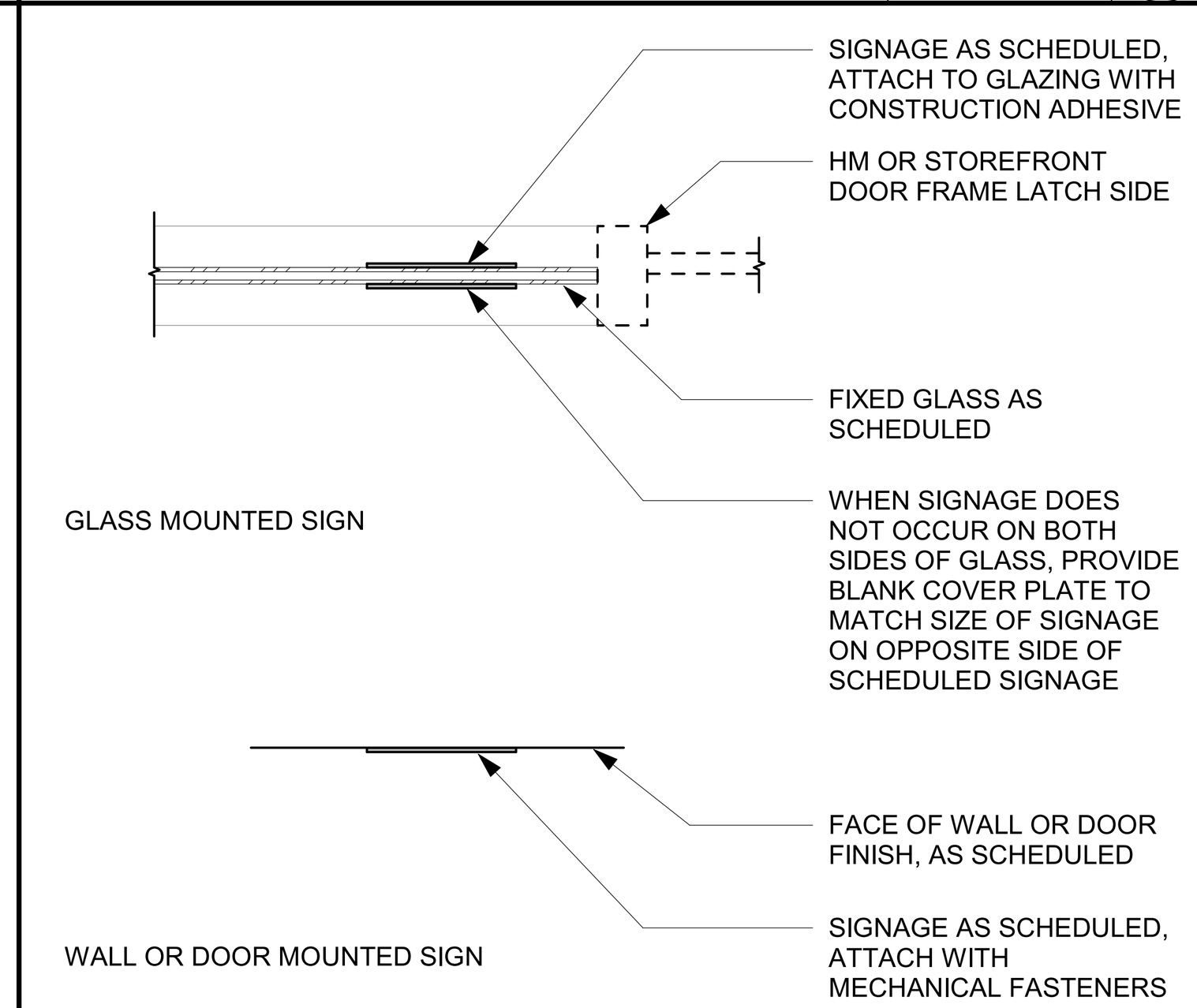


ROOM CONTROL SIGNAGE 1/2" = 1'-0" 6

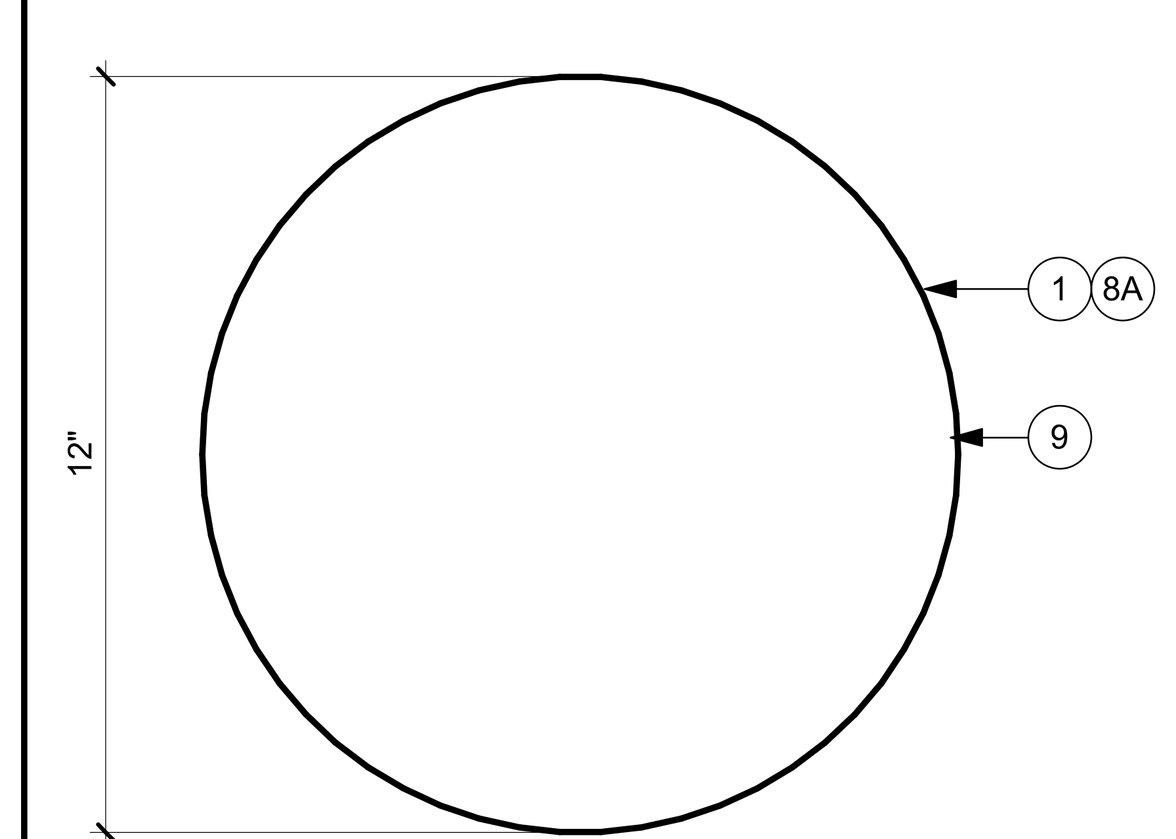


NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2 / A10.10.1

MEN WALL MOUNTED SIGNAGE 3" = 1'-0" 12

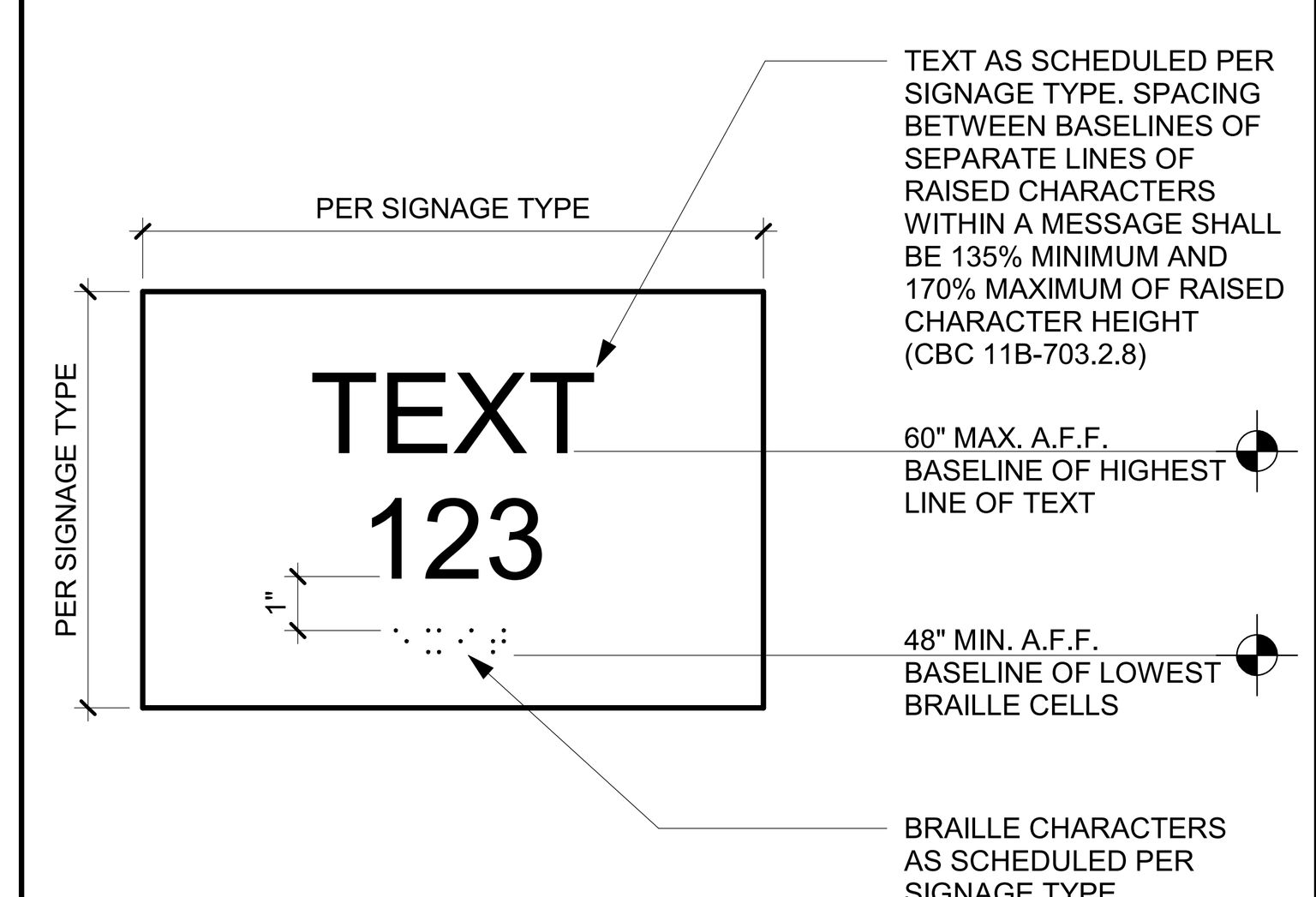


SIGNAGE MOUNTING TYPES 1" = 1'-0" 7

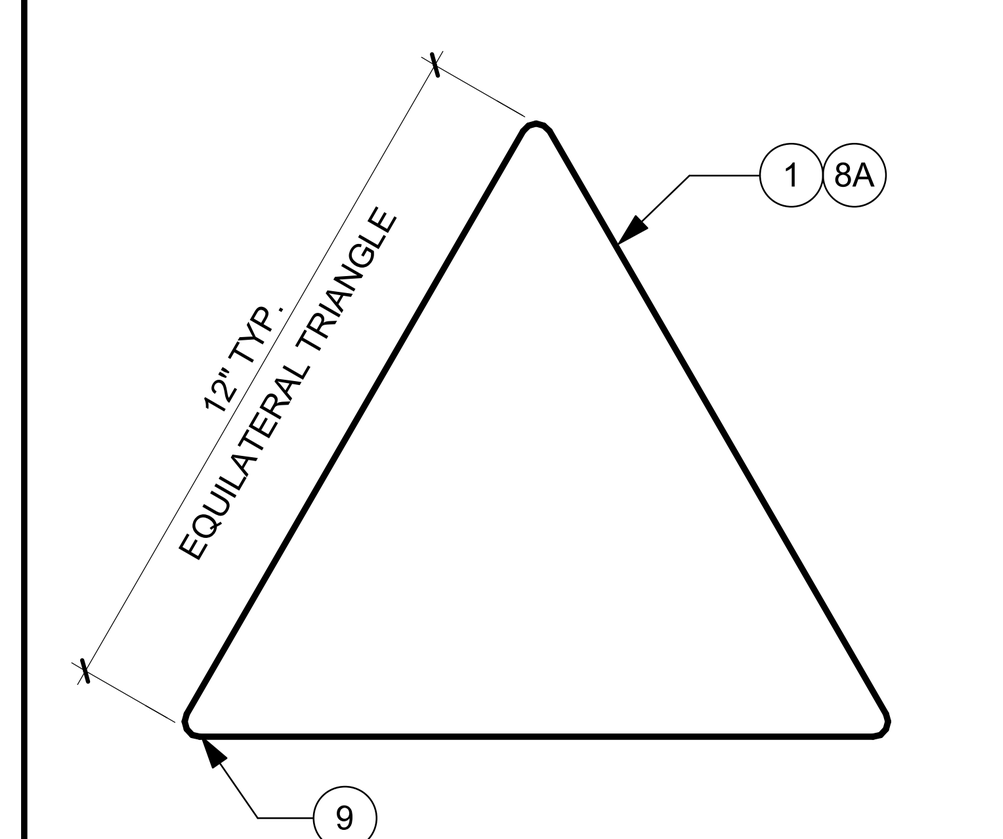


NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2 / A10.10.1

WOMEN DOOR SIGNAGE 3" = 1'-0" 13

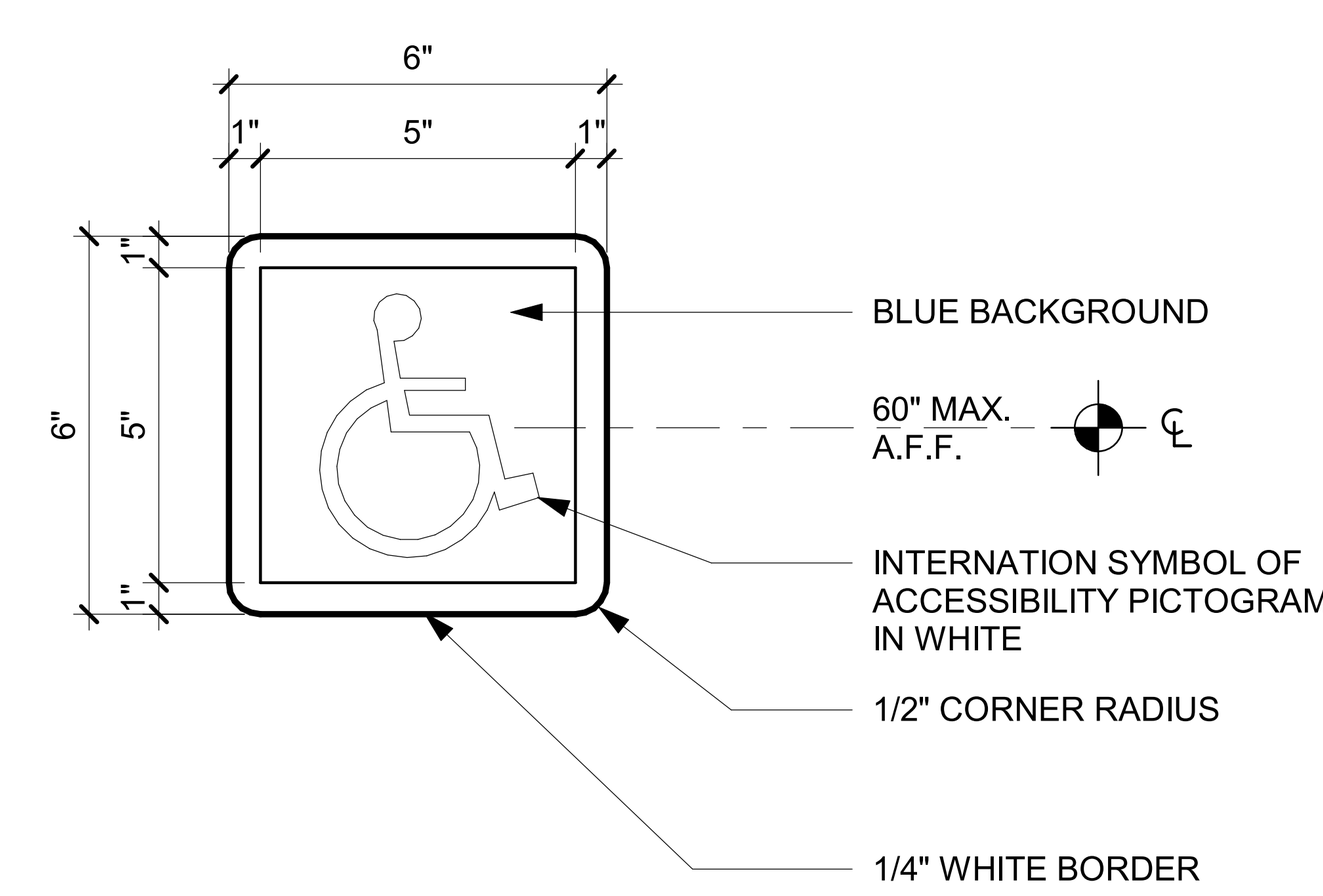


SIGNAGE MOUNTING HEIGHTS 6" = 1'-0" 8



NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2 / A10.10.1

MEN DOOR SIGNAGE 3" = 1'-0" 14



NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2 / A10.10.1

ACCESSIBILITY SIGNAGE 3" = 1'-0" 9

SIGNAGE GENERAL NOTES

1. FOR TYPICAL MOUNTING DISTANCE FROM DOOR FRAME, SEE DETAIL 6 / A10.10.1
2. FOR MOUNTING ATTACHMENTS, SEE DETAIL 7 / A10.10.1
3. FOR SIGNAGE MOUNTING HEIGHT REQUIREMENTS, SEE DETAIL 8 / A10.10.1
4. SIGNS AND IDENTIFICATION DEVICES SHALL BE FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY THE ENFORCING AGENCY PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY PER CBC CHAPTER 1, DIVISION II, SECTION 111, OR FINAL APPROVAL WHERE NO CERTIFICATE OF OCCUPANCY IS ISSUED. THE INSPECTION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFICATION THAT BRAILLE DOTS AND CELLS ARE PROPERLY SPACED AND THE SIZE, PROPORTION AND TYPE OF RAISED CHARACTERS ARE IN COMPLIANCE WITH THESE REGULATIONS (CBC 11B-703.1.1.2).

SIGNAGE KEYNOTES

(1) EXTRUDED CLEAR ACRYLIC SIGN WITH A NON GLARE BACKGROUND OF 70% CONTRASTING COLOR TO TEXT AND ONE PIECE CONSTRUCTION PER SPECIFICATIONS
BACKGROUND COLOR:
THICKNESS: 1/4"

(2A) 1/32" RAISED TEXT, CENTER JUSTIFIED ON PLAQUE
TEXT STYLE: HELVETICA, ALL CAPS
TEXT HEIGHT: 3/4" U.O.N.
TEXT COLOR:

(2B) 1/32" RAISED TEXT, LEFT JUSTIFIED ON PLAQUE
TEXT STYLE: HELVETICA, ALL CAPS
TEXT HEIGHT: 3/4" U.O.N.
TEXT COLOR:

(3) VERIFY ROOM NAMES AND NUMBERS PRIOR TO FABRICATION
10 LETTERS PER LINE, MAXIMUM

(4) CALIFORNIA ROUNDED TOP CONTRACTED GRADE 2 BRAILLE BELOW RAISED TEXT (11B-703.3.2). DISTANCE FROM BOTTOM OF RAISED LETTERS TO TOP OF BRAILLE CHARACTERS SHALL BE 3/8" MINIMUM AND 1/2" MAXIMUM. BRAILLE TO BE CENTER JUSTIFIED OR LEFT JUSTIFIED TO MATCH RAISED TEXT. FOR MORE INFORMATION ON BRAILLE REQUIREMENTS, SEE DETAIL 5 / A10.10.1

(5) INTERNATIONAL SYMBOL OF ACCESSIBILITY PICTOGRAM
COLOR:

(6) 1/8" WIDE RAISED DECORATIVE STRIPE
COLOR TO MATCH TEXT

(7) RAISED PICTOGRAM
COLOR:

(8A) CONTRAST 70% WITH DOOR COLOR

(8B) 1/4" THICK, 12" DIA. CIRCLE WITH A 1/4" THICK EQUILATERAL TRIANGLE SYMBOL SUPERIMPOSED ON AND GEOMETRICALLY INSCRIBED WITHIN THE 12" DIA. CIRCLE SYMBOL. VERTICES OF THE TRIANGLE SYMBOL SHALL BE LOCATED 1/4" MAX. FROM THE EDGE OF THE CIRCLE SYMBOL WITH A VERTEX POINTING UPWARD. TRANGLE SYMBOL SHALL CONTRAST THE COLOR OF THE CIRCLE SYMBOL. CIRCLE SYMBOL SHALL CONTRAST 70% THE DOOR COLOR.
TRIANGLE COLOR:
CIRCLE COLOR:

(9) PROVIDE EASED OR ROUNDED EDGES A 1/16" MIN. OR CHAMFERED AT 1/8" MAX. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MINIMUM AND 1/4" MAX.

TYPICAL SIGNAGE NOTES 12" = 1'-0" 2

TABLE 11B-703.3.1
BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059" (1.5MM) TO 0.063" (1.6MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL *	0.100" (2.5MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS *	0.300" (7.6MM)
DOT HEIGHT RANGE	0.025" (0.6MM) TO 0.037 (0.9MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW *	0.395" (10MM) TO 0.400" (10.2MM)
* MEASURED CENTER TO CENTER	

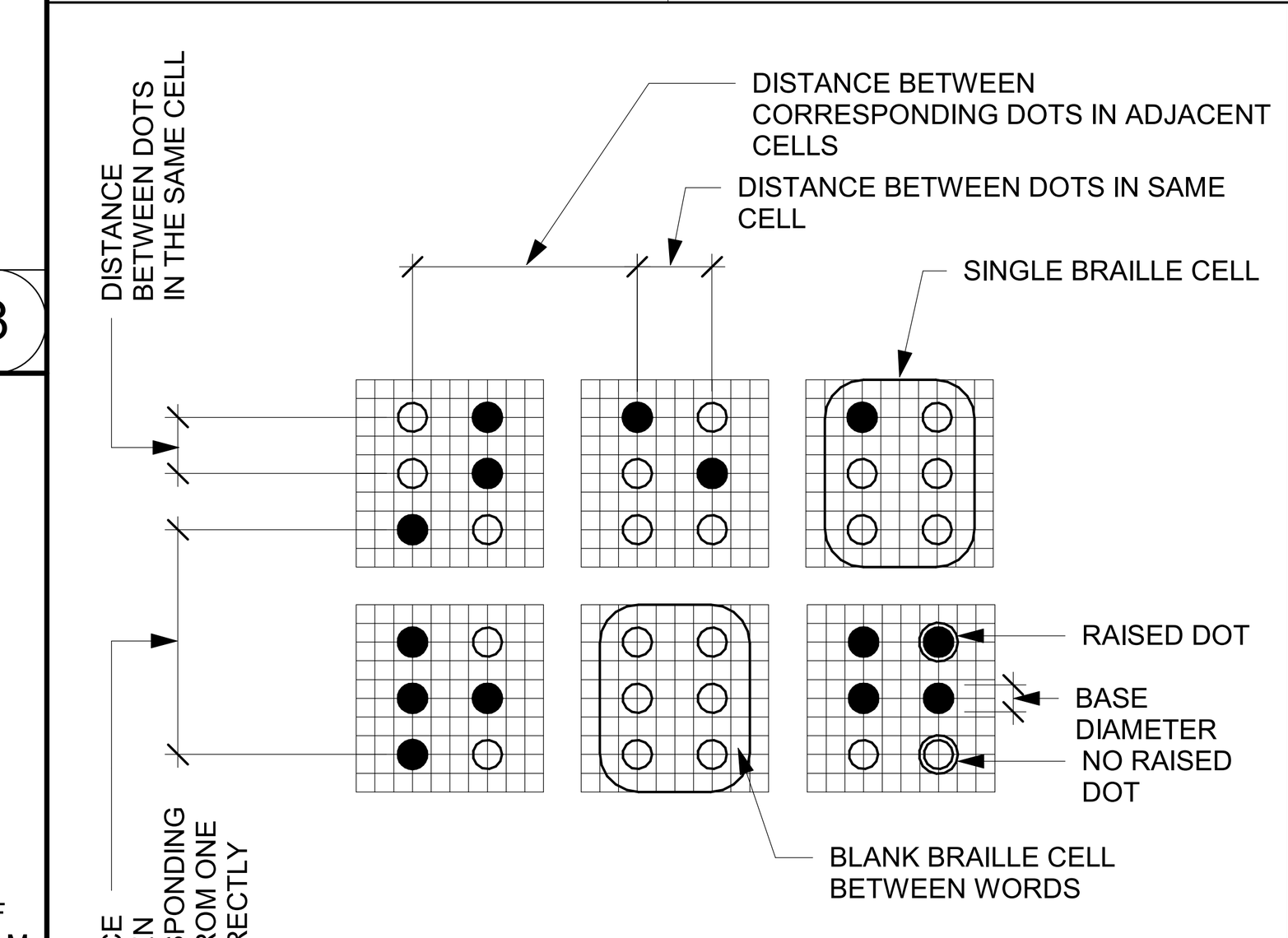
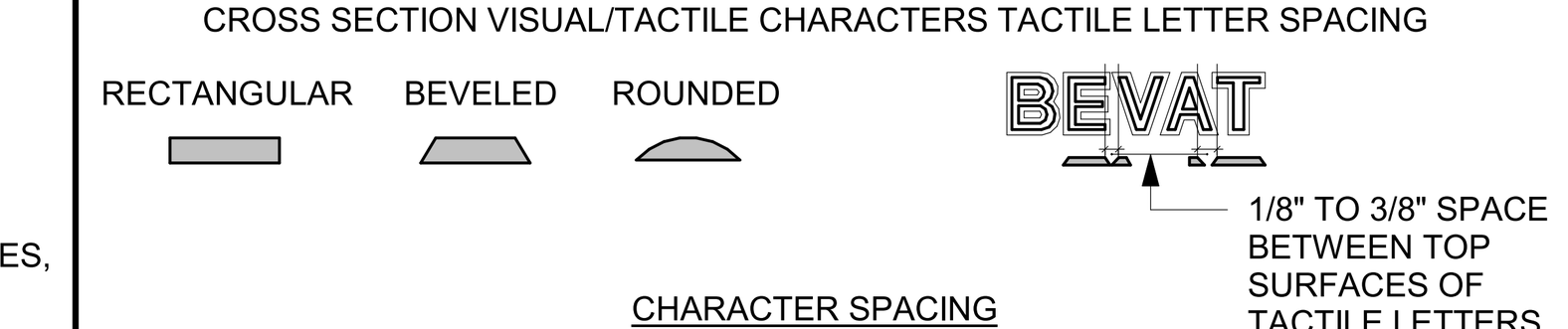


FIGURE 11B-703.3.1
BRAILLE MEASUREMENT

CROSS SECTION VISUAL/TACTILE CHARACTERS TACTILE LETTER SPACING

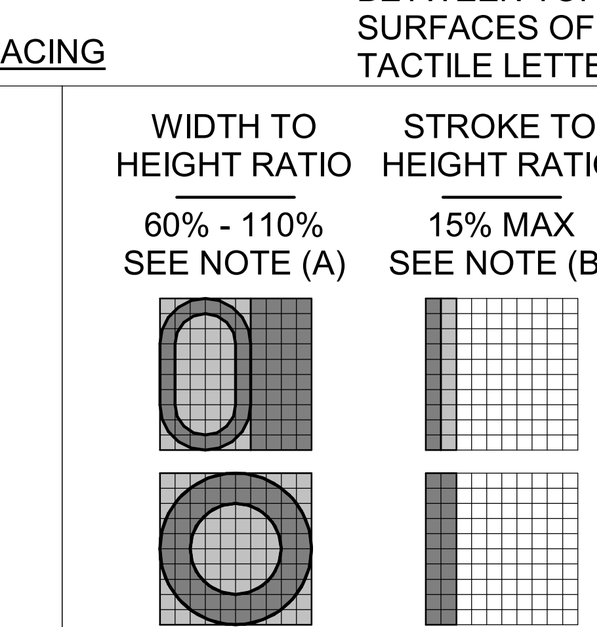


CHARACTER SPACING

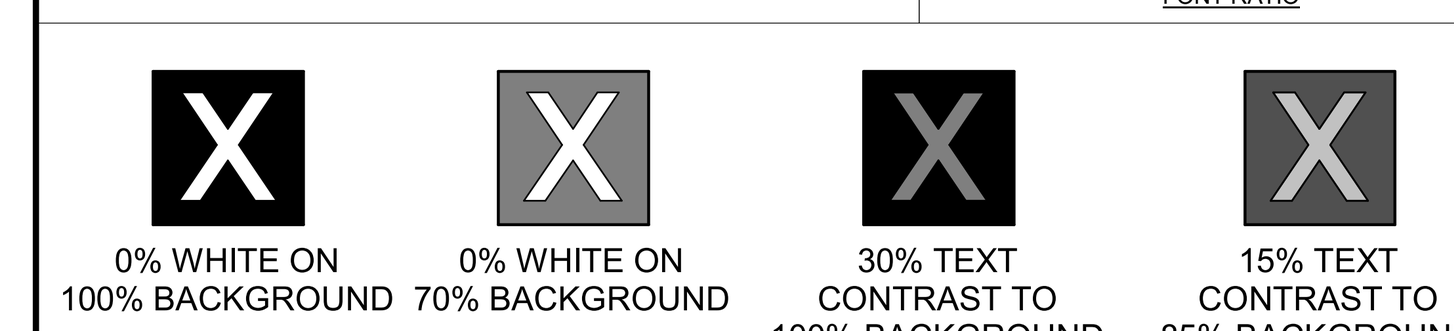
NOTE:

(A) "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE "T"

(B) STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER



FONT RATIO



MINIMUM 70% CONTRAST DIFFERENCE BETWEEN CHARACTERS/GRAPHICS AND BACKGROUND

CONTRAST

SIGNAGE DESIGN REQUIREMENTS 1 1/2" = 1'-0" 5

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 9/30/25 STATE OF CALIFORNIA DATE SIGNED: 03/18/2024	

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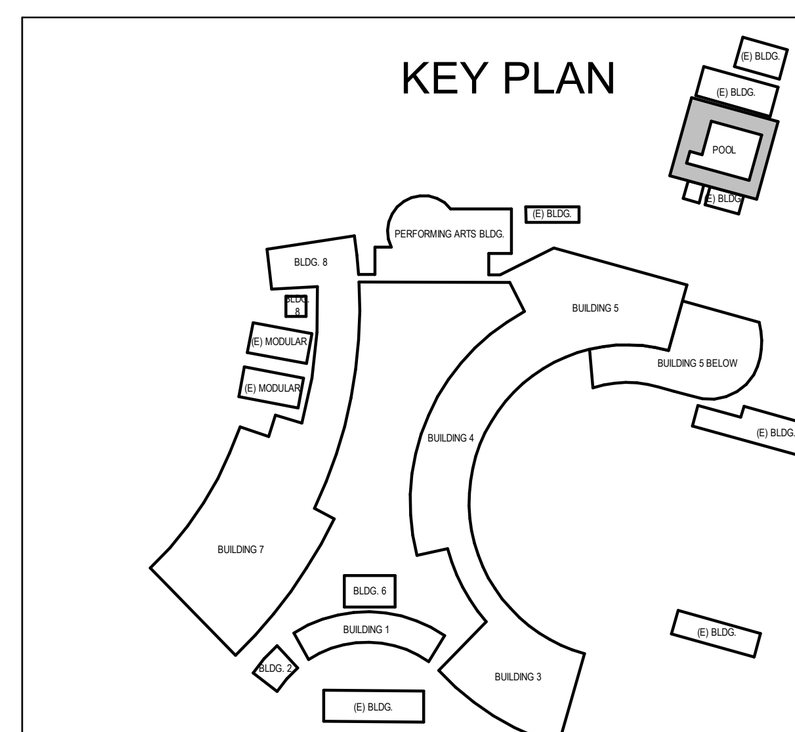
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NO.	REMARKS	DATE

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	DATE
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○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

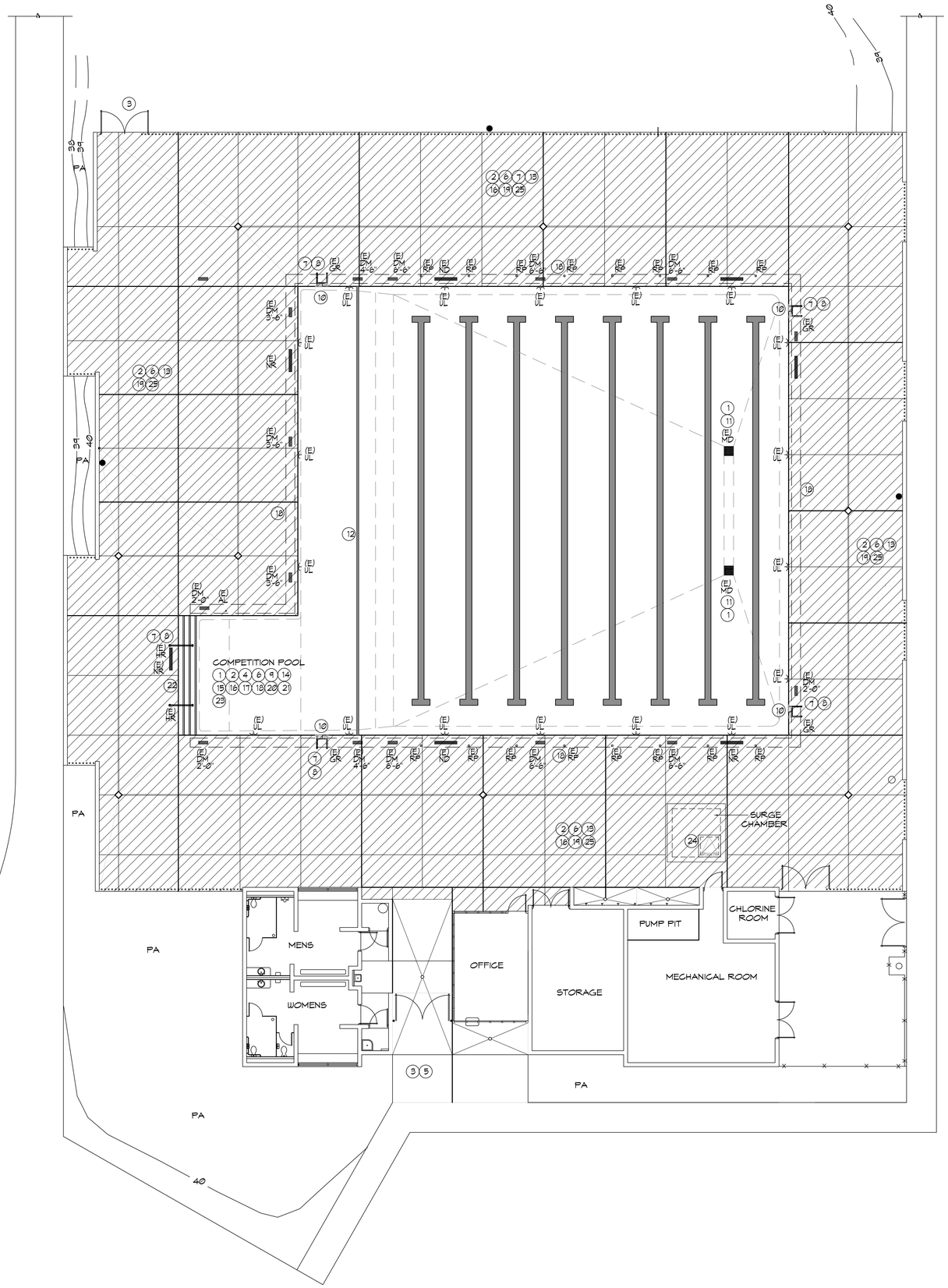
DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

SPECIALTIES

Date	Project Number
03/18/2024	23071
Application Number	Drawing Number
04-123133	A10.10.1
Drawn: Author	Checked: Checker

PRINT DATE: 7/24/2024 8:00:20 AM
FILE PATH: BIM 360://23071 MVUSD MVHS Pool Modernization/23071-MVHS Pool Modernization-A21.rvt



COMPETITION POOL DATA

SURFACE AREA	=	6,564 SQ. FT.
PERIMETER	=	354 FT.
DEPTHS	=	2'-0" TO 6'-9"
VOLUME	=	286,894 GAL.
6 HR TURNOVER	=	797 GPM

DEMOLITION/CONSTRUCTION NOTES

1. OWNER SHALL BE RESPONSIBLE FOR POOL DRAIN DOWN; CARE IS TO BE TAKEN TO RELIEVE ANY HYDROSTATIC PRESSURE THROUGH EXISTING HYDROSTATIC RELIEF VALVES AND DRAINING THE POOL SLOWLY.
2. THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH ALL OTHER TRADES, AND SHALL PROTECT ALL EXISTING WORK, BUILDINGS, AND UTILITIES. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF AND PROTECT ALL UNDERWATER LIGHTING CONDUIT, WATER/SEWER/STORM DRAIN LINES, 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. SWIMMING 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.
5. COORDINATE PROPOSED CONTRACTOR STAGING AREA WITH THE OWNER PRIOR TO CONSTRUCTION.
6. 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.
7. REMOVE EXISTING DECK EQUIPMENT TO REMAIN PRIOR TO DEMOLITION. PROVIDE NEW ANCHORS AND BOND TO NEW DECKING REINFORCEMENT. CONTRACTOR TO FIELD VERIFY AND DOCUMENT LOCATION OF DECK EQUIPMENT ANCHORS AND INSTALL NEW ANCHORS TO MATCH EXISTING IN SAME LOCATIONS UNLESS OTHERWISE NOTED.
8. REMOVE AND PROTECT EXISTING GRABRAILS AND HANDRAILS DURING CONSTRUCTION AND CLEAN, POLISH AND REINSTALL AFTER WORK HAS BEEN COMPLETED. REPLACE ALL DAMAGED OR DENTED METAL GOODS WITH NEW.
9. REMOVE ALL EXISTING SWIMMING POOL FINISHES INCLUDING PLASTER, TILE, ETC. DOWN TO ORIGINAL SOUND CONCRETE/SHOTCRETE. ANY CRACKS LARGE ENOUGH TO INSERT THE EDGE OF A DIME INTO, SHALL BE CHIPPED OUT TO A MINIMUM OF ¾"x¾" AND THEN FILLED FLUSH WITH NON-SHRINK GROUT. ALL EXPOSED REBAR, RUST SPOTS, ETC. SHALL BE BUSHED DOWN 1½" BELOW FINISH SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. ANY OTHER IMPERFECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO INSTALLING NEW TILED LANE LINES, WALL TARGETS, WATERLINE TILE AND WATERLINE DEPTH MARKERS, ETC. AND PRIOR TO NEW WHITE PLASTER INSTALLATION.
10. REMOVE AND REPLACE ALL EXISTING GRABRAIL STEPS. ONCE STEPS ARE REMOVED ALL RUST SPOTS SHALL BE EXPOSED, BUSHED DOWN 1½" BELOW FINISHED SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. THEN NEW CYCOLAC STEPS SHALL BE INSTALLED FLUSH WITH NON-SHRINK GROUT.
11. REMOVE EXISTING MAIN DRAIN FRAMES AND GRATES AND INSTALL NEW 18"X18" LAWSON AQUATICS' #MLD-FG-1818 FRAME AND GRATES. THE CONTRACTOR SHALL CERTIFY THE MAIN DRAIN SYSTEMS AS V.G.B. COMPLIANT. THE CONTRACTOR SHALL ENSURE THAT MAIN DRAINS MEET CURRENT STANDARDS AND ARE CERTIFIED WITH CURRENT REQUIREMENTS. WATERPROOF EXISTING FIELD BUILT SUMPS WITH PLASTER PRIOR TO PLACING NEW GRATES.
12. REMOVE EXISTING 4'-6" WATER DEPTH TILE MARKER (4" LINE) AND PROVIDE NEW TILE PER SPECIFICATIONS.
13. REMOVE EXISTING POOL DECKS AS SHOWN HATCHED. CARE SHALL BE TAKEN TO NOT EXCAVATE (E) UNDERWATER LIGHT CONDUITS. THE CONTRACTOR SHALL COORDINATE AND PROTECT ALL ADJACENT WORK, BUILDINGS, ETC. TO REMAIN. COORDINATE DECK ELEVATIONS WITH EXISTING. MAXIMUM DECK SLOPE IN ANY DIRECTION SHALL BE 2.0% MAXIMUM. CONTRACTOR SHALL FIELD VERIFY DECK DRAIN LOCATIONS AND EXISTING POINTS OF CONNECTION TO DECK DRAIN LINES. IF ANY CONDUITS ARE DAMAGED THEY SHALL BE REPLACED. NO SPLICING OF WIRES SHALL BE PERMITTED.
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 CONTRACTOR SHALL REPAIR OR REPLACE ANY ITEMS DAMAGED DUE TO DEMOLITION AND/OR CONSTRUCTION, AT NO COST TO THE OWNER INCLUDING BUT NOT LIMITED TO UTILITIES, FITTINGS, EQUIPMENT, ANCHORS, ETC.
17. REMOVE AND REPLACE ALL FLOOR INLET COVERS AND WALL INLET FITTINGS COMPLETELY PER DETAIL AND SPECIFICATIONS. PROVIDE 12"X12" OF 1"x1" DALTILE D317 'BISCUIT' WHITE AROUND ALL FLOOR INLETS TYP.
18. REPLACE ALL EXISTING POOL TILE INCLUDING ALL RAGING LANE LINES AND END WALL TARGETS, TRIM TILE, FLOOR INLET TILE, HANDHOLD TILE AND DEPTH MARKERS. DEPTH MARKERS SHALL BE LOCATED AT MAXIMUM 25'-0" O.C. AROUND ENTIRE POOL PERIMETER AND SHALL HAVE MINIMUM 4" TALL NUMBERS AND LETTERS. PROVIDE NEW INTERNATIONAL 'NO DIVING' TILES AT ALL DEPTH MARKER LOCATIONS 6'-0" DEPTH OR SHALLOWER. PREPARE ALL SURFACES TO RECEIVE NEW TILE PER PLANS.
19. REFER TO SHEET DP-2 FOR NEW DECK LAYOUT PLAN AND SLOT DRAIN IN COORDINATION WITH CONTRACTOR FIELD LAYOUT. ALL NEW CONCRETE SHALL BE 4,000 psi MINIMUM AT 28 DAYS. SEE SPECIFICATIONS FOR MIX DESIGN REQUIREMENTS.
20. REFER TO SHEET GP-1 POOL LAYOUT PLAN IN COORDINATION WITH CONTRACTOR FIELD LAYOUT AND EXISTING INFORMATIONAL PLANS.
21. THE OWNER SHALL IDENTIFY THE SWIMMING 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 OWNER'S STAFF TO PROVIDE INSTRUCTION AND TRAINING IN PROPER OPERATION OF POOL IN CONJUNCTION WITH NEW PLASTER SURFACES.
22. CONTRACTOR SHALL EXTEND COMPETITION POOL TOP STAIR TREAD 2" INTO EXISTING DECK TO COMPLY WITH 14" MIN. TOP STAIR WIDTH TO ACHIEVE CALIFORNIA CODE. CONTRACTOR SHALL ALSO ADD A NEW HANDRAIL FOR ADA COMPLIANCE AT 24" OFFSET TO ADJACENT HANDRAIL. BOND TO EXISTING POOL REBAR AND NEW DECK PER CODE.
23. CONTRACTOR SHALL PROVIDE NEW ACCESSIBLE LIFTS FOR COMPETITION POOL, PER DETAILS.
24. CONTRACTOR SHALL REMOVE AND REPLACE SURGE TANK LID, AS WELL AS ALL VALVING AND PIPING INSIDE SURGE CHAMBER. PROVIDE NEW SURGE CHAMBER ACCESS COVER AND NEW LADDER PER DETAIL. REMOVE ALL WATERPROOFING AND PROVIDE 2 NEW COATS OF WATERPROOFING PER SPECIFICATIONS.
25. ALL DEMOLITION SHALL COMPLY WITH CHAPTER 33 CBC AND CHAPTER 33 CFC.

LEGEND

HR	=	HAND RAIL
RP	=	RAGING PLATFORM
GR	=	GRABRAIL
MD	=	MAIN DRAIN
UL	=	UNDERWATER LIGHT
(E)	=	EXISTING
PA	=	PLANTER AREA
AL	=	ACCESSIBLE LIFT

= LIMITS OF REMOVAL

NORTH

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

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DATE SIGNED: 12/05/2023	

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KEY PLAN

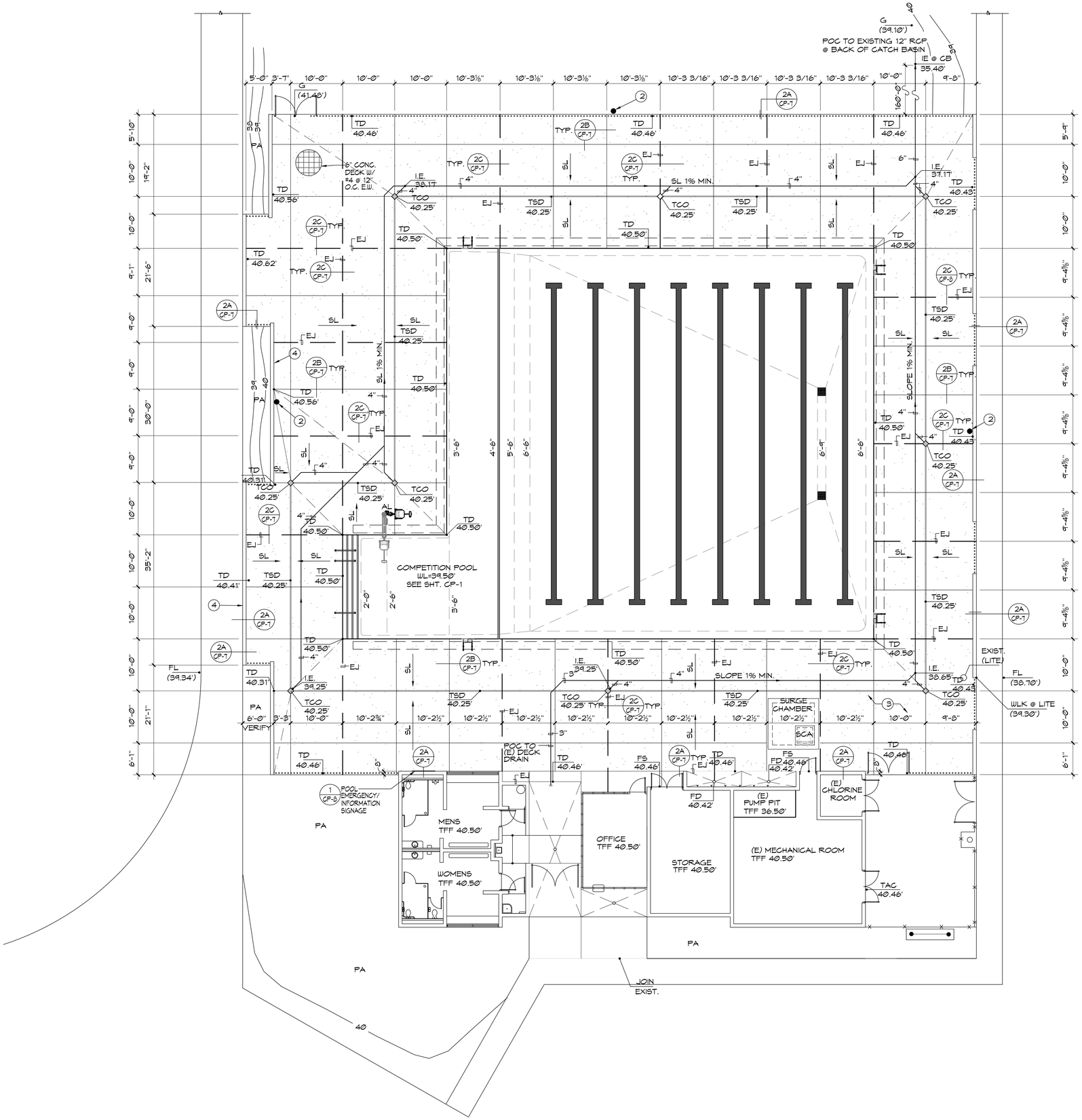
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DECK DEMOLITION PLAN

Date	Project Number
03/08/2024	23071
Application Number	Drawing Number
04-123133	DP-1
Drawn EDK	Checked GSF



(E) SWIMMING POOL DATA

SURFACE AREA	=	6,564 SQ. FT.
PERIMETER	=	354 FT.
DEPTH	=	2'-0" TO 6'-9"
VOLUME	=	286,894 GAL.
6 HR TURNOVER	=	797 GPM

LEGEND

— EJ —	=	EXPANSION JOINT
CJ	=	CONTROL JOINT
TSD	=	TOP OF SLOT DRAIN
TDO	=	TOP OF DROP-OUT
SCA	=	SURGE CHAMBER ACCESS COVER
AL	=	ACCESSIBLE LIFT
CW	=	COLD WATER
SL	=	SLOPE DIRECTION
WL	=	WATERLEVEL
TFF	=	TOP OF FINISHED FLOOR
TD	=	TOP OF DECK
I.E.	=	INVERT ELEVATION
P.O.C.	=	POINT OF CONNECTION
SD	=	STORM DRAIN
OHL	=	OVERHEAD LIGHT
HB	=	HOSE BIB
JB	=	JUNCTION BOX
(E)	=	EXISTING

NOTES:

1 / CP-8

1. COORDINATE SIGNAGE PLACEMENT AND COLOR SCHEME WITH OWNER PRIOR TO INSTALLATION.
2. DECKS SHALL HAVE 1% MIN. SLOPE AND 1.8% MAX. SLOPE TO DRAINS.
3. ALL POOL DECKING SHALL BE NON-SLIP AND NON-ABRASIVE MEDIUM BROOM FINISH WITH NATURAL GRAY CONCRETE UNLESS OTHERWISE NOTED.
4. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND QUANTITY OF REQUIRED EXITS, DRINKING FOUNTAINS, AND SANITARY FIXTURES.
5. THE POOL CANNOT BE WITHOUT AN APPROVED POOL ENCLOSURE AT ANY TIME, INCLUDING DURING CONSTRUCTION AND INSTALLATION OF THE NEW POOL ENCLOSURE.

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

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ARCHITECT	ENGINEER
LICENSED ARCHITECT GREGORY S. FOX C-35802 REN. 07/31/25 STATE OF CALIFORNIA	
DATE SIGNED: 12/6/2023	

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KEY PLAN

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MURRIETA, CA 92562

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POOL MODERNIZATION
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MURRIETA, CA 92562

NEW DECK PLAN

Date 03/08/2024	Project Number 23071
Application Number 04-123133	Drawing Number DP-2
Drawn EDK	Checked GSF

COMPETITION POOL

SURFACE AREA	=	6,564 SQ. FT.
PERIMETER	=	354 FT.
DEPTHS	=	2'-0" TO 6'-9"
VOLUME	=	286,894 GAL.
6 HR TURNOVER	=	797 GPM

LEGEND

** MD	=	(N) MAIN DRAIN	2 CP-7
RP	=	(E) RACING PLATFORM	5 CP-7
DM	=	(N) DEPTH MARKER	3 CP-6
NR	=	(N) 'NO RUNNING'	4 CP-6
ND	=	(N) 'NO DIVING'	4.5 CP-6
AL	=	(E) ACCESSIBLE LIFT	6 CP-7
GR	=	(E) GRABRAIL	1 CP-6
HR	=	(E) HANDRAIL	7 CP-4
BS	=	(N) BACKSTROKE STANCHION	6 CP-5
RA	=	(E) ROPE ANCHOR	7 CP-5
UL	=	(N) UNDERWATER LIGHT	9 CP-5
GO	=	GUTTER OUTLET	5 CP-7

COMPETITION POOL

* THE CONTRACTOR SHALL RETAIN AN INDEPENDENT LICENSED SURVEYOR TO PROVIDE PROOF OF COMPLIANCE FOR REQUIRED POOL LENGTHS AS FOLLOWS: (RECOMMEND PATRELL ENG. GROUP (626) 335-4362)

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

SHORT COURSE-25M: (ALLOWS FOR TOUCH PADS AT ONE END) 82'-0 9/16" MIN.: 82'-1 7/16" MAX.

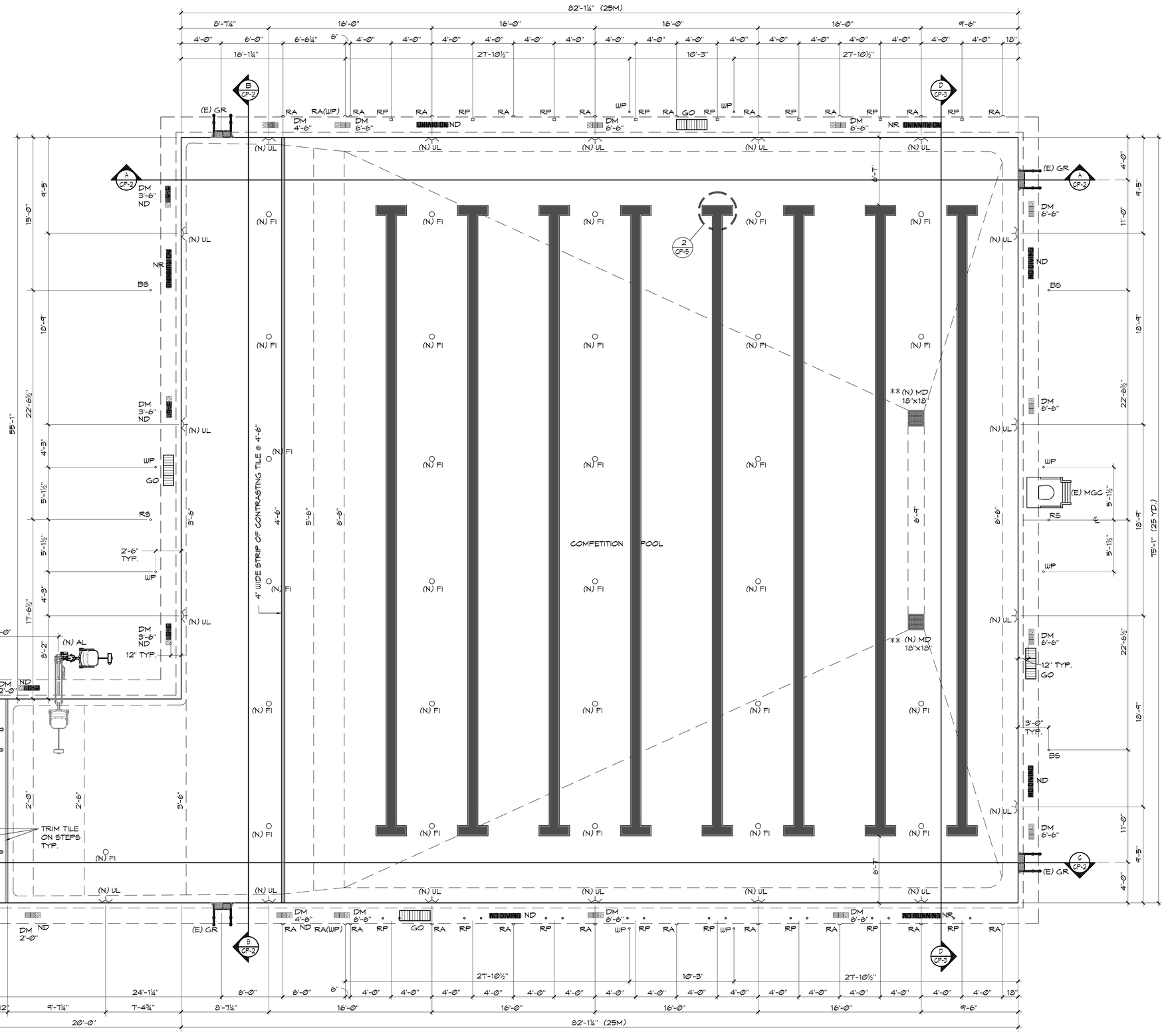
TOLERANCE AGAINST LENGTH SHALL EXTEND IN A VERTICAL PLANE Ø.3M (12") ABOVE AND Ø.8M. (2'-7½") BELOW THE SURFACE OF THE WATER AT ALL POINTS OF BOTH END WALLS TYP. OF ALL COURSES.

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

** CONTRACTOR SHALL RETAIN A LICENSED ENGINEER TO CERTIFY THE MAIN DRAIN SYSTEMS AS V.G.B. COMPLIANT.

GENERAL NOTES

ALL EQUIPMENT IN NEW UNLESS OTHERWISE NOTED



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1 **COMPETITION POOL LAYOUT PLAN** ¼" = 1'-0"

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SS ☑ FLS ☑ ACS ☑
DATE: 08/22/2024

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ARCHITECT	ENGINEER
LICENSED ARCHITECT KEVIN S. QUAN C-35802 REN. 07/31/25 STATE OF CALIFORNIA DATE SIGNED: 12/5/2023	

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- ○ CONSTRUCTION

KEY PLAN

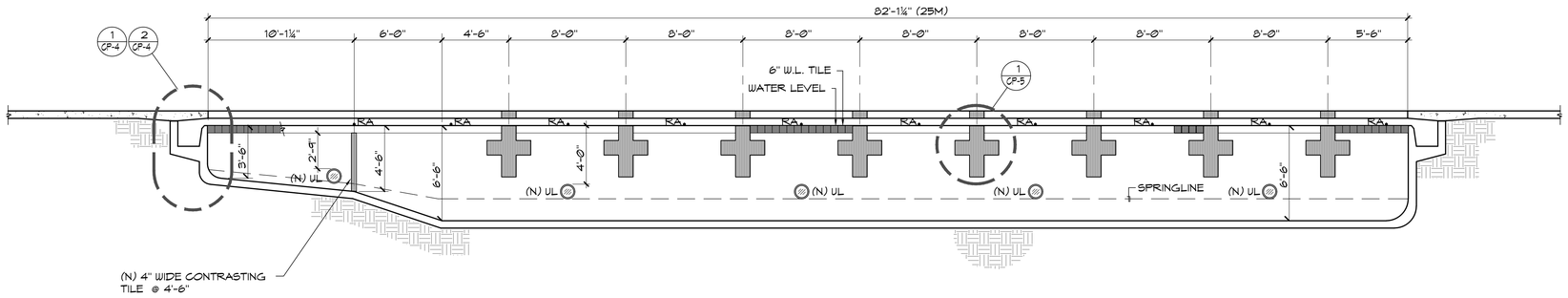
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41870 MCALBY COURT
MURRIETA, CA 92562

DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

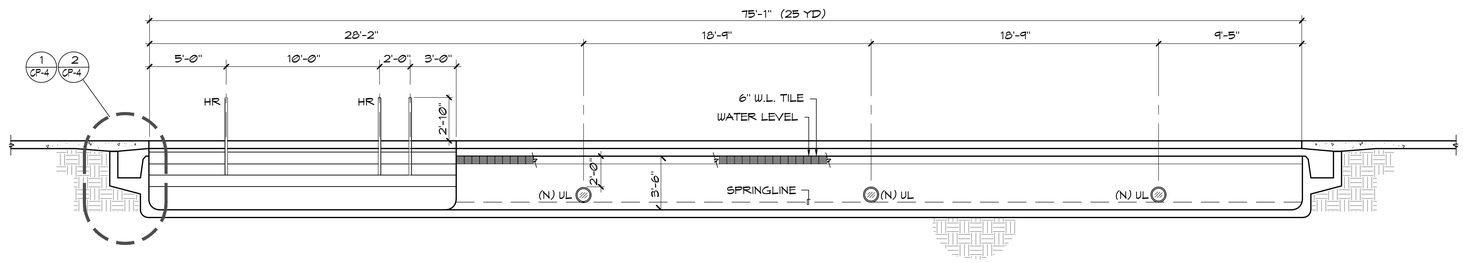
COMPETITION POOL LAYOUT PLAN

Date	Project Number
03/08/2024	23071
Application Number	Drawing Number
04-123133	CP-1
Drawn EDK	Checked GSF



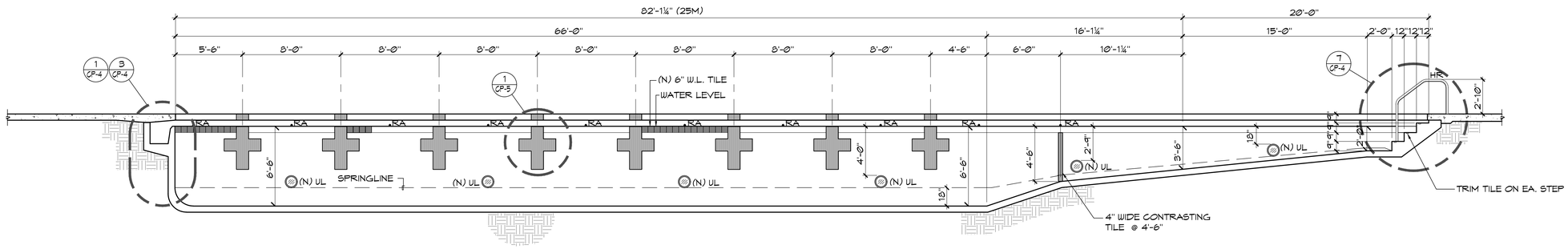
A COMPETITION POOL SECTION

¼" = 1'-Ø"



B COMPETITION POOL SECTION

¼" = 1'-Ø"



C COMPETITION POOL SECTION

¼" = 1'-Ø"

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- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN

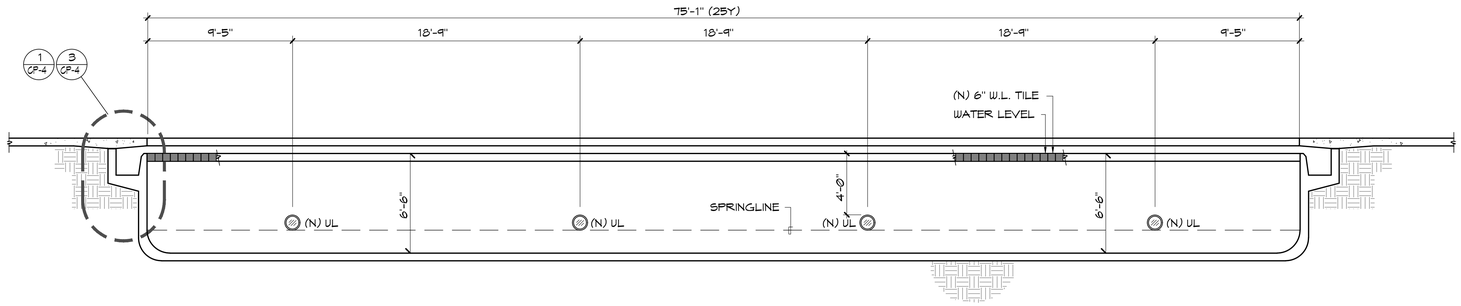
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41870 MCALBY COURT
MURRIETA, CA 92562

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POOL MODERNIZATION
42200 NIGHTHAWK WY
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COMPETITION POOL SECTIONS

Date	Project Number
03/08/2024	23071
Application Number	Drawing Number
04-123133	CP-2
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EDK / GSF	



D

COMPETITION POOL SECTION

¼" = 1'-0"

F

E

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NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	
○ DSA BACK CHECK	
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

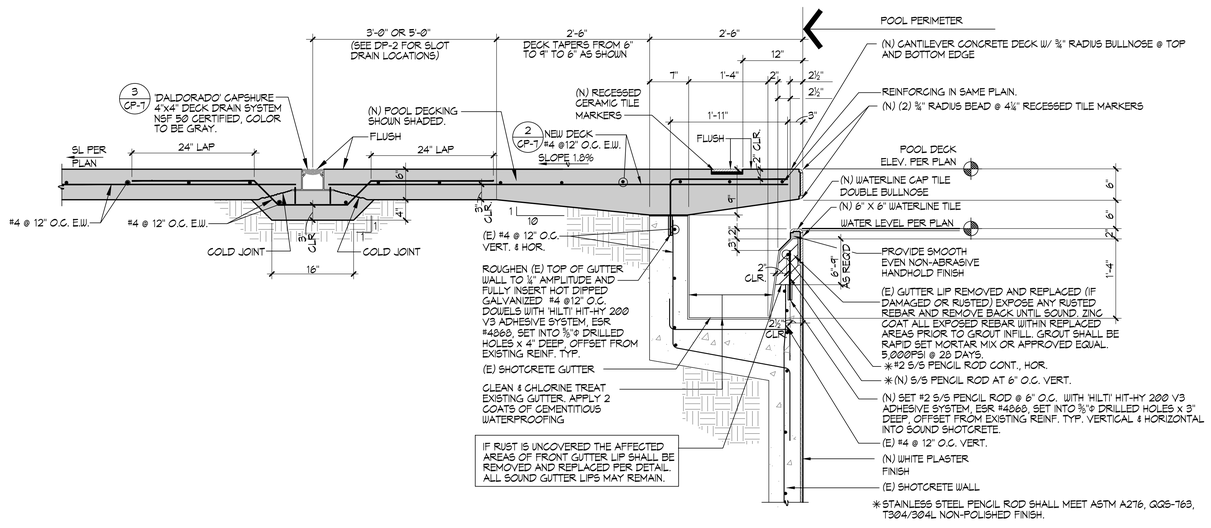
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POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

COMPETITION POOL SECTIONS

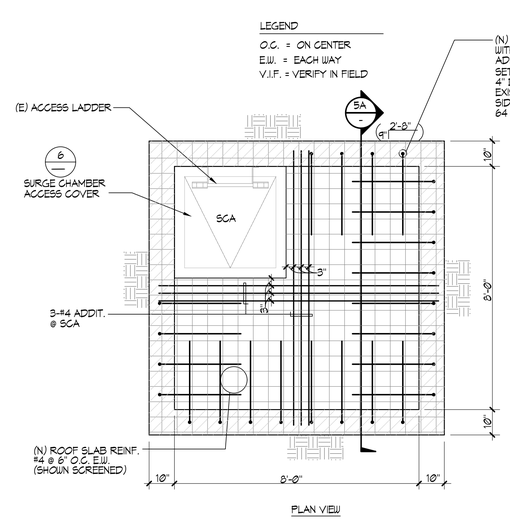
Date	Project Number
03/08/2024	23071
Application Number	**Drawing Number**
04-123133	CP-3
Drawn / **Checked**	
EDK / GSF	



1 TYPICAL GUTTER / SLOT DRAIN DETAIL 1"=1'-0"

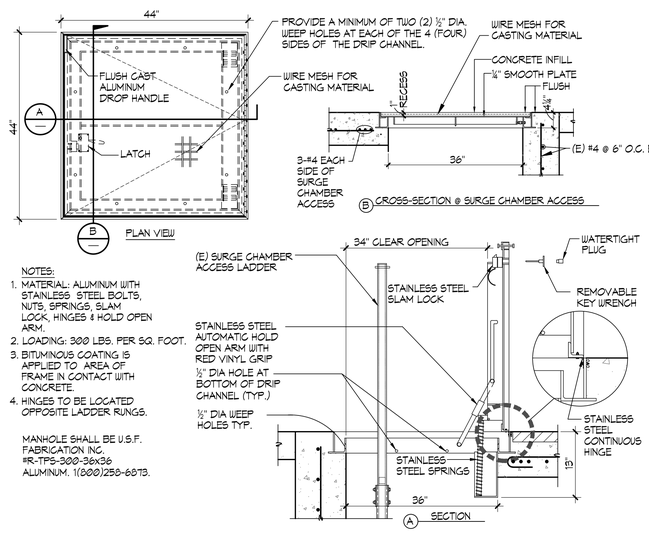
CONCRETE NOTES:

1. THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS WITH A 0.40-0.50 WATER/CEMENT RATIO
   POOL = 4000 PSI
   SLAB-ON-GRADE = 4000 PSI
2. CONTINUOUS INSPECTION BY AN APPROVED INSPECTOR IS REQUIRED OF ALL CONCRETE PLACEMENT.
3. ALL CEMENT USED SHALL CONFORM TO A.S.T.M. C-150 TYPE IIC
4. FINE AND COARSE AGGREGATE SHALL CONFORM TO A.S.T.M. C-33. MAXIMUM SIZE OF AGGREGATE TO BE 1".
5. CONCRETE MIX DESIGNS SHALL BE BASED UPON CBC SECTION 1905.
6. CONCRETE SHALL BE TESTED AND INSPECTED PER SECTION CBC 1705.3 AND 1905.
7. REMOVAL OF FORMS SHALL COMPLY WITH CBC SECTION 1905.
8. ALL REINFORCING SHALL BE ASTM A-615, GRADE 60, UNLESS OTHERWISE NOTED. LAPS SHALL BE 64 BAR DIA.

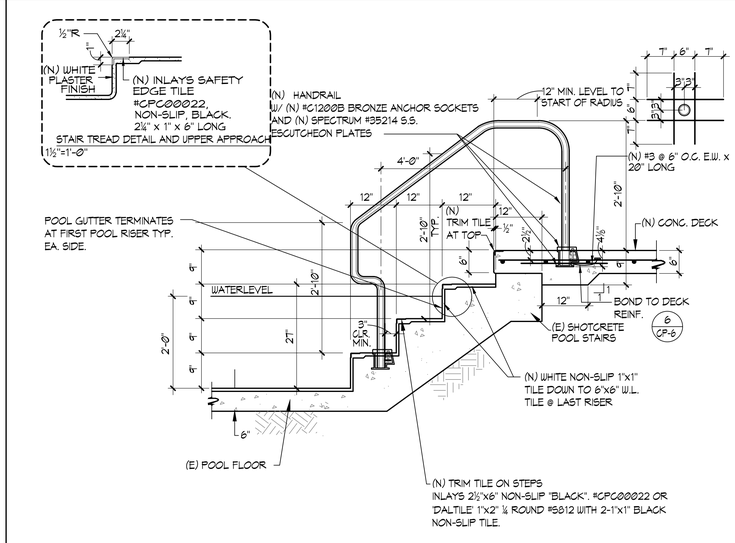


4 CONCRETE NOTES

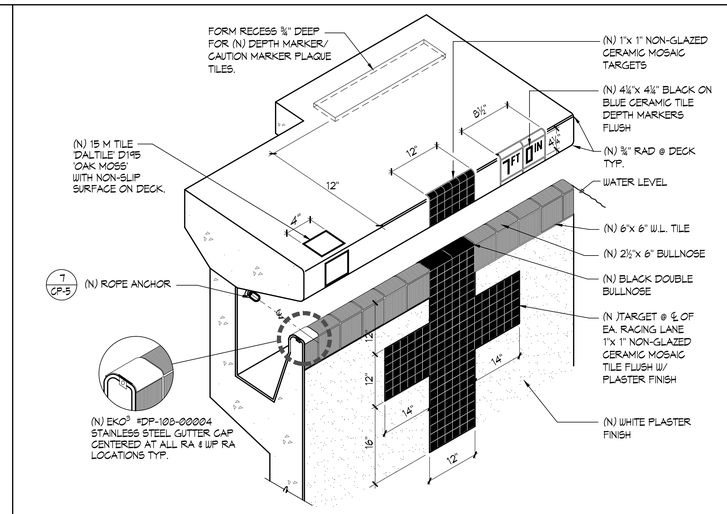
5 (E) SURGE CHAMBER WITH NEW LID ½"=1'-0"



6 SURGE CHAMBER ACCESS COVER ¾"=1'-0"



7 HANDRAIL DETAIL ¾"=1'-0"



8 DEEP GUTTER PERSPECTIVE NO SCALE

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- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

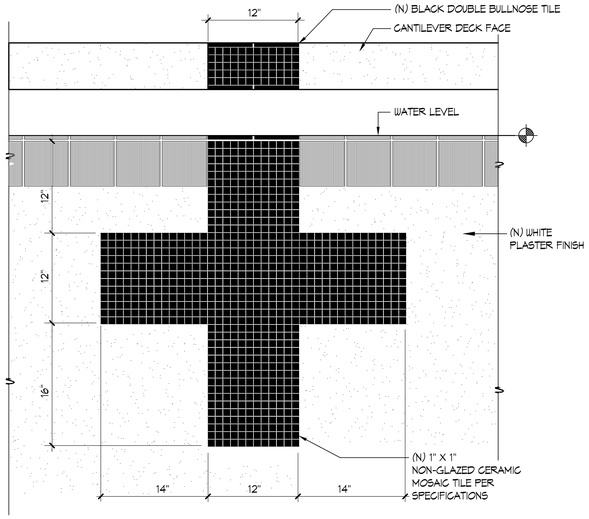
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42200 NIGHTHAWK WY
MURRIETA, CA 92562

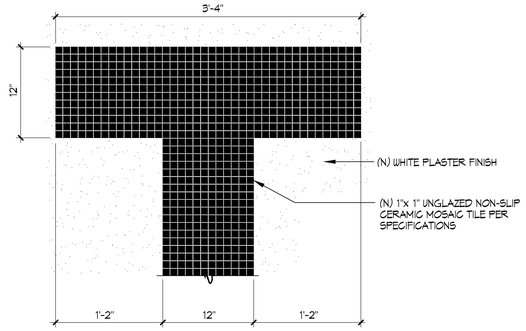
DETAILS

Date 03/08/2024	Project Number 23071
Application Number 04-123133	Drawing Number CP-4
Drawn EDK	Checked GSF

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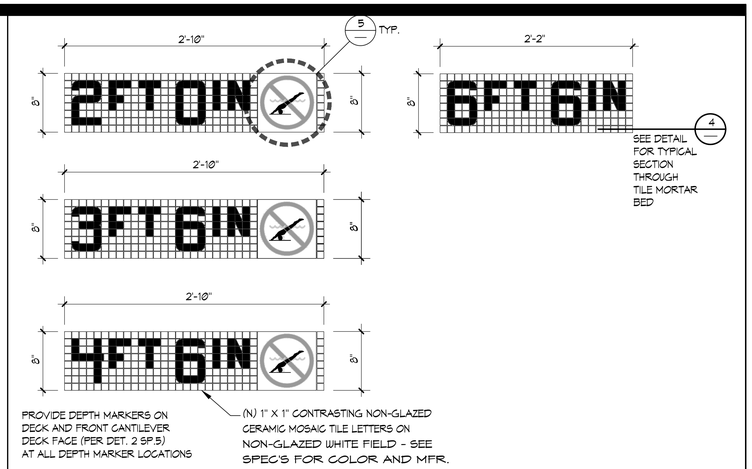


1 END WALL TARGET 1½" = 1'-0"

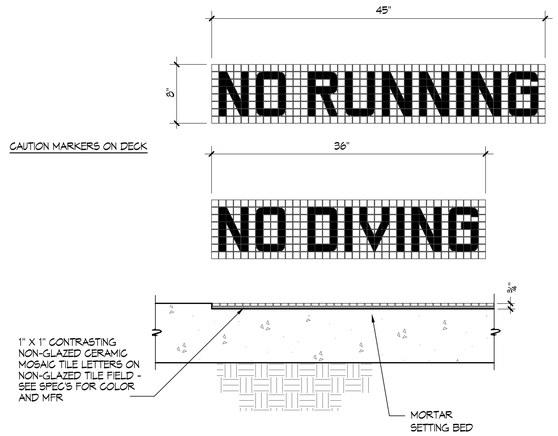


PLAN VIEW

2 RACING LANE LINE 1½"=1'-0"

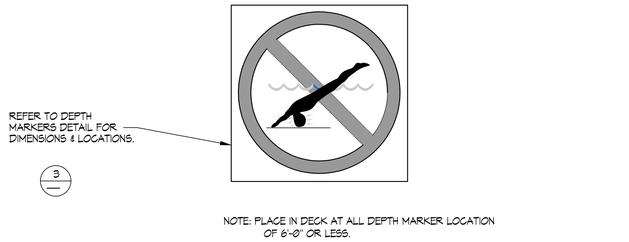


3 DEPTH MARKERS 1½" = 1'-0"



SECTION THROUGH TILE

4 "NO RUNNING" / "NO DIVING" MARKERS 1½" = 1'-0"

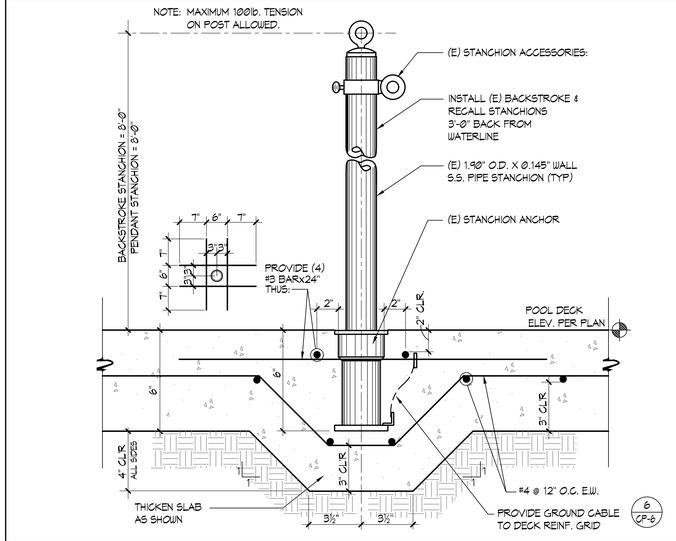


NOTE: PLACE IN DECK AT ALL DEPTH MARKER LOCATION OF 6'-0" OR LESS.

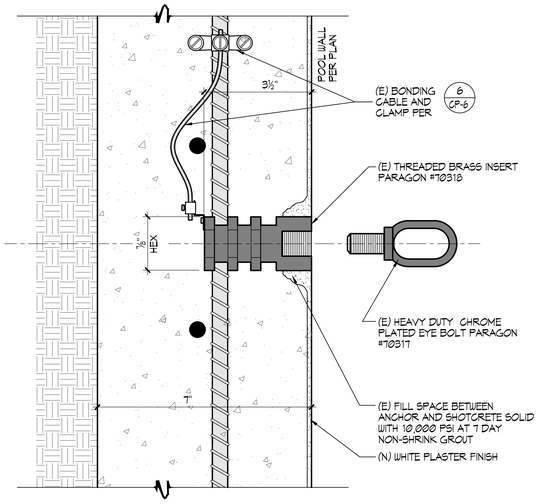
SILK SCREEN

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.

5 INTERNATIONAL "NO DIVING" MARKER 3"=1'-0"

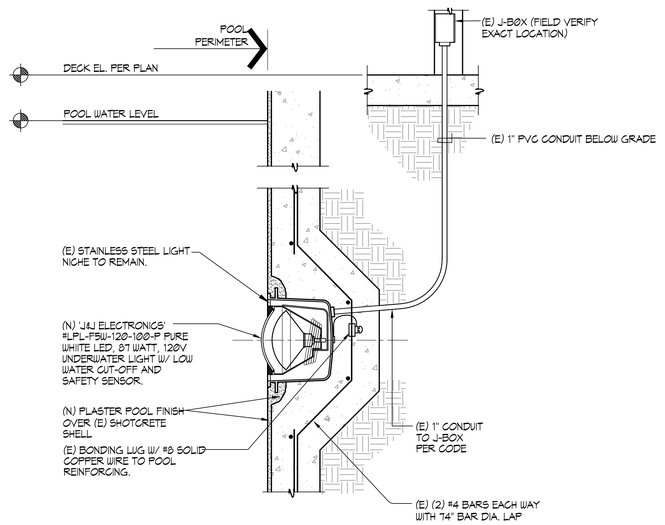


6 STANCHION POST/ANCHOR 3"=1'-0"



REPLACE ANY LOST OR DAMAGED INSERTS AND EYE BOLTS DUE TO DEMOLITION/CONSTRUCTION.

7 (N) OR (E) ROPE ANCHOR ½" = 1"



UNDERWATER LIGHT NOTES:

1. SEAL CONDUIT OPENING IN LIGHT NICHE WITH SILICON CAULKING AFTER LIGHT IS INSTALLED.
2. 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.
3. COMPLETELY REMOVE AND REPLACE THE EXISTING UNDERWATER POOL LIGHT FIXTURES. BEFORE ORDERING NEW UNDERWATER POOL LIGHT FIXTURES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE CONDITION OF EACH EXISTING POOL LIGHT NICHE TO ENSURE THEY ARE NOT DAMAGED AND HAVE BEEN INSTALLED IN ACCORDANCE WITH ARTICLE 680 OF THE NEC. THE CONTRACTOR SHALL DETERMINE THE CORRECT SIZE AND THE TYPE OF REPLACEMENT POOL LIGHT FIXTURE THAT CAN BE PROPERLY USED TO FIT AND SECURE INTO THE EXISTING NICHE. THE CONTRACOR IS RESPONSIBLE FOR ENSURING THE PILOT HOLE THREADS AND NICHE HOOK AT EACH EXISTING POOL LIGHT NICHE ARE NOT DAMAGED AND ARE COMPLETELY INTACT AND READY TO RECEIVE A NEW POOL LIGHT FIXTURE. IOR/BUILDING DEPARTMENT TO REVIEW AND APPROVE INSTALLATION PRIOR TO PLASTERING THE POOL.

8 UNDERWATER LED LIGHT 1½"=1'-0"

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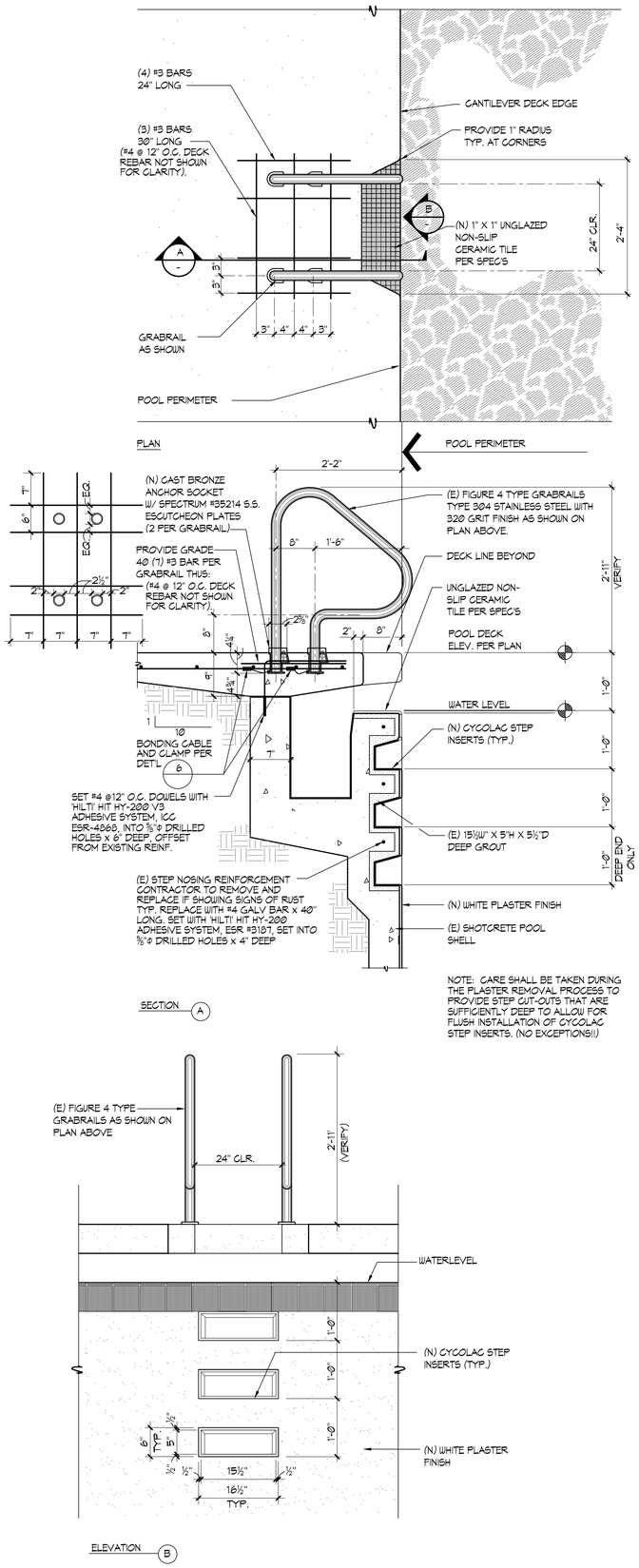
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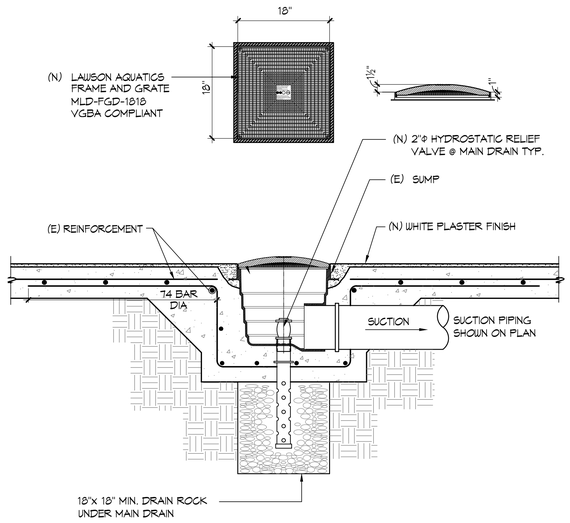
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MURRIETA, CA 92562

DETAILS

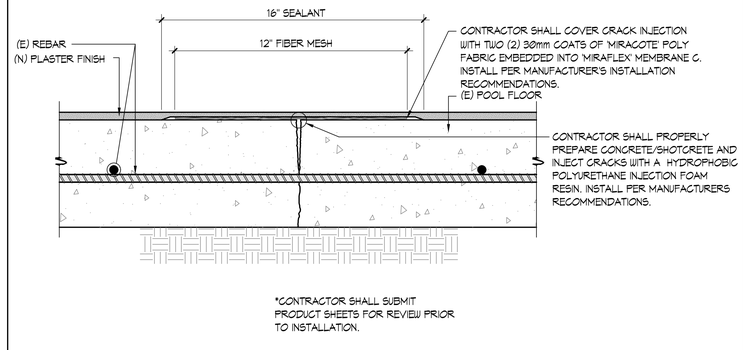
Date	Project Number
03/08/2024	23071
Application Number	Drawing Number
04-123133	CP-5
Drawn / Checked	
EDK / GSF	



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



2 MAIN DRAIN 1" = 1'-0"

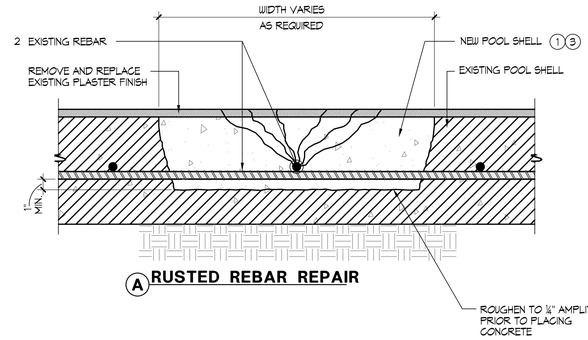


*CONTRACTOR SHALL SUBMIT PRODUCT SHEETS FOR REVIEW PRIOR TO INSTALLATION.

3 CRACK REPAIR DETAIL NO SCALE

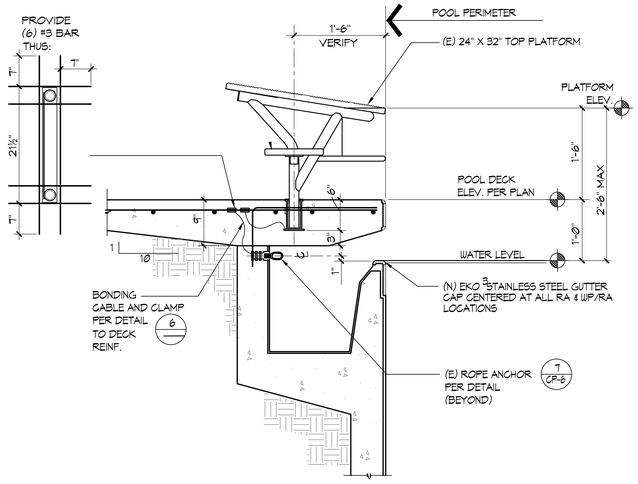
NOTES:

1. CHIP OUT AND REMOVE CONCRETE IN DESIGNATED REPAIR AREAS TO EXPOSE REBAR. PROVIDE 1" MIN. CLEARANCE UNDER THE REBAR.
2. SANDBLAST AND CLEAN EXPOSED REBAR TO REMOVE RUST/LAITANCE. PAINT REBAR WITH ZINC RICH GALVANIZING COMPUND PAINT.
3. PLACE HIGH STRENGTH NON-SHRINK GROUT TO RESTORE POOL SHELL TO ORIGINAL SURFACE LEVEL. ANY OTHER IMPERFECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO INSTALLING A NEW PLASTER FINISH.
4. IF REBAR IS UNABLE TO BE SALVAGED, NOTIFY ARCHITECT.

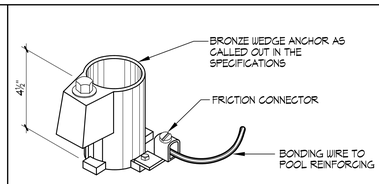


A RUSTED REBAR REPAIR

4 RUSTED REBAR REPAIR DETAIL 3"=1'-0"

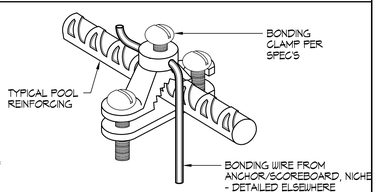


5 RACING PLATFORM 1"=1'-0"



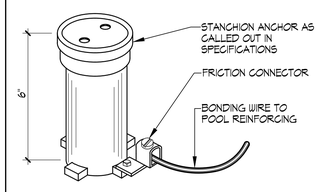
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NO SCALE



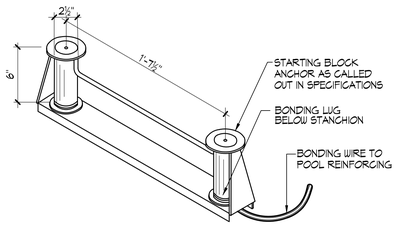
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NO SCALE



STANCHION ANCHOR

NO SCALE



RACING PLATFORM ANCHOR

NO SCALE

6 BONDING DETAIL AS NOTED

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LICENSED ARCHITECT GREGORY S. TANYEK C-35802 REN. 07/31/25 STATE OF CALIFORNIA DATE SIGNED: 12/5/2023	

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NO.	REMARKS	DATE

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○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

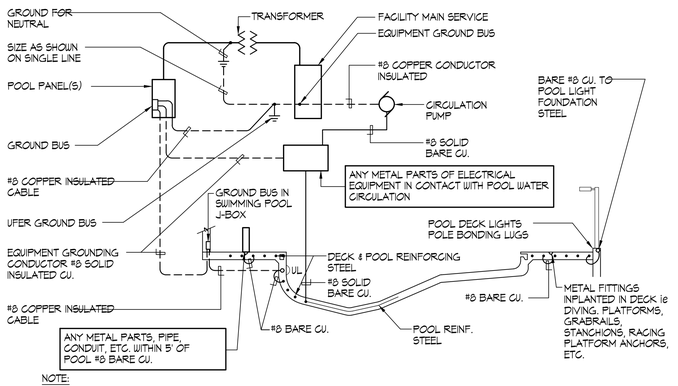
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41870 MCALBY COURT
MURRIETA, CA 92562

DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

DETAILS

Date	Project Number
03/08/2024	23071
Application Number	Drawing Number
04-123133	CP-6
Drawn EDK	Checked GSF

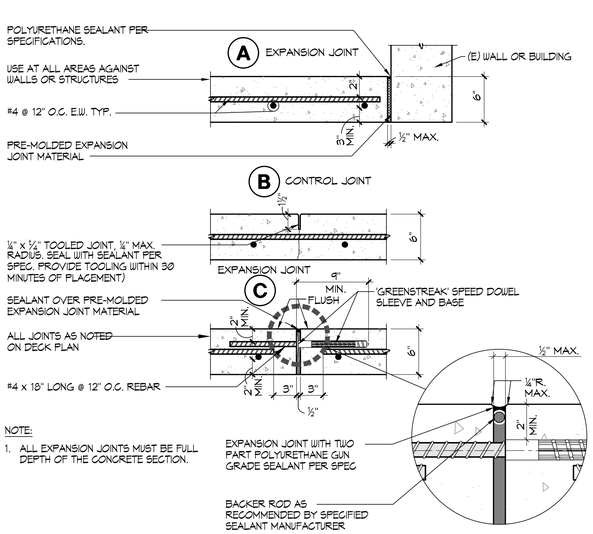


NOTE:

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 TYPICAL POOL BONDING AND GROUND DETAIL

NO SCALE

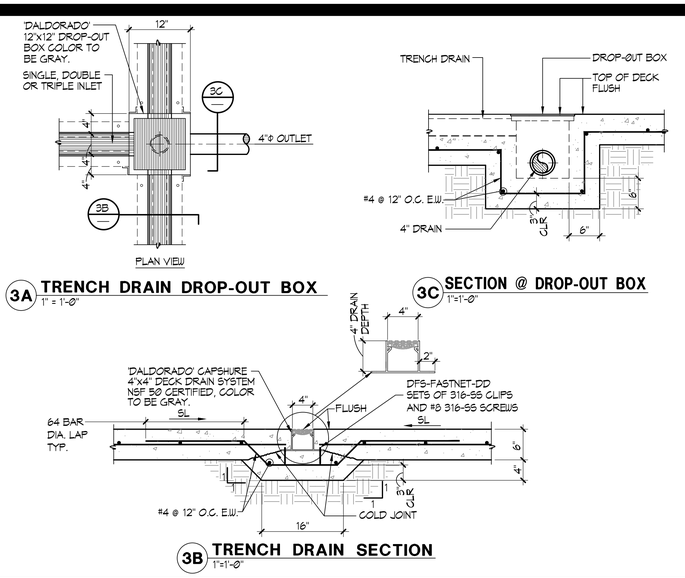


NOTE:

1. ALL EXPANSION JOINTS MUST BE FULL DEPTH OF THE CONCRETE SECTION.

2 CONCRETE DECK JOINT DETAILS

1½"=1'-0"



3A TRENCH DRAIN DROP-OUT BOX

1" = 1'-0"

3C SECTION @ DROP-OUT BOX

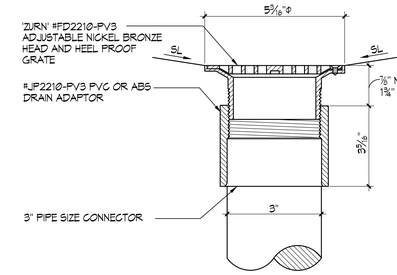
1"=1'-0"

3B TRENCH DRAIN SECTION

1"=1'-0"

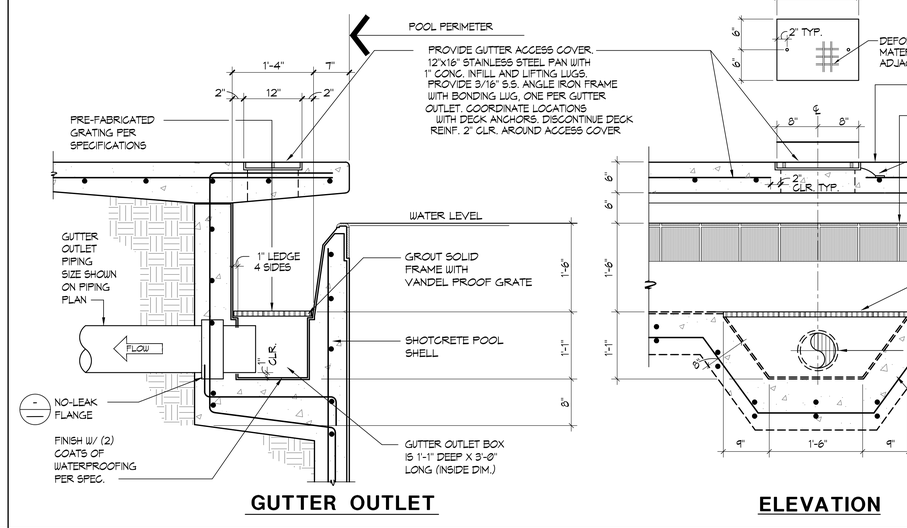
3 TRENCH DRAIN

AS NOTED



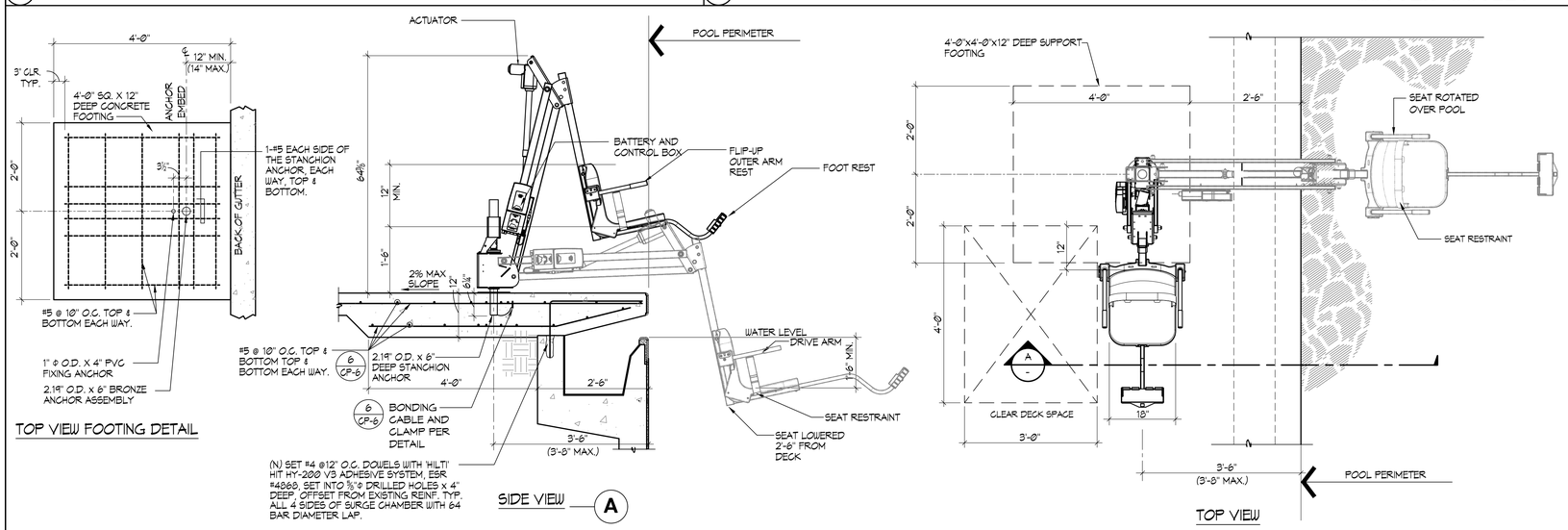
4 DECK/AREA DRAIN

½"=1"



5 GUTTER OUTLET

1"=1'-0"



NOTES:

1. 'AQUA CREEK' MIGHTY 400 #F-MTY400 (350 lb. MIN. AND 400 lb. 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-004AB; AND TRANSPORTER CART 'AQUA CREEK' #F-MTTC.
4. UTILIZE OUTLET FOR ACCESSIBLE LIFT BATTERY CHARGE STATION. PROVIDE 'AQUA CREEK' CHARGER # F-044CH.
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)
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.

6 NEW ACCESSIBLE LIFT

¾"=1'-0"

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DATE SIGNED: 12/5/2023	

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- ○ DSA BACK CHECK
- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

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Date	Project Number
03/08/2024	23071
Application Number	Drawing Number
04-123133	CP-7
Drawn: EDK	Checked: GSF

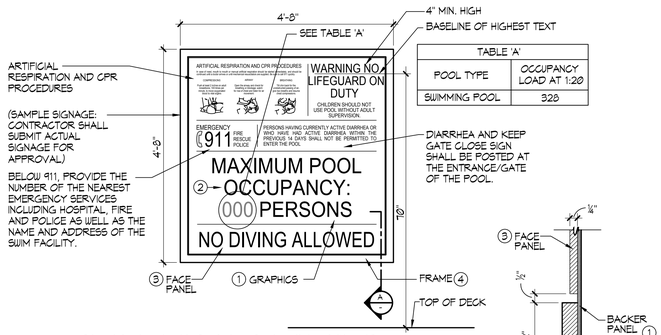


TABLE 'A'	
POOL TYPE	OCCUPANCY LOAD AT 1:20
SWIMMING POOL	328

A SECTION
6" = 1'-0"

SIGNAGE NOTES AND SPECIFICATIONS:

1. ½" THICK PAINTED ALUMINUM BACKER PANEL.
2. SILKSCREENED COPY/GRAPHICS WITH NON GLARE FINISH.
3. ¼" THICK PAINTED ALUMINUM FACE PANEL WITH SILKSCREENED COPY/GRAPHICS. ATTACH TO ½" THICK PAINTED ALUMINUM BACKER PANEL USING VHB TAPE AND SILICONE ADHESIVE
4. 2" WIDE x ½" THICK PAINTED ALUMINUM SIGN FRAME ADHERED TO ½" THICK PAINTED ALUMINUM BACKER USING 'LORDS' 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. LETTERS AND NUMBERS TO BE NOT LESS THAN 4 INCHES HIGH.
   - B. 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."
   - C. ARTIFICIAL RESPIRATION AND CARDIO PULMONARY RESUSCITATION SIGN; AN ILLUSTRATED DIAGRAM WITH TEXT AT LEAST ½ INCH HIGH OF ARTIFICIAL RESPIRATION AND CARDIO PULMONARY RESUSCITATION PROCEDURES SHALL BE POSTED.
   - D. EMERGENCY SIGN; THE EMERGENCY TELEPHONE NUMBER 911, WITH NUMBERS NOT LESS THAN 4 INCHES, THE NUMBER OF THE NEAREST EMERGENCY SERVICES AND THE NAME AND STREET ADDRESS OF THE POOL FACILITY SHALL BE POSTED WITH NUMBERS AND TEXT AT LEAST 1 INCH HIGH.
   - E. 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."
   - F. 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".
   - G. DIARRHEA; THE POOL OPERATOR SHALL POST AT THE ENTRANCE AREA OF A PUBLIC POOL A SIGN IN LETTERS AT LEAST ONE INCH HIGH THAT CLEARLY STATES THAT PERSONS WITH DIARRHEA AND PERSONS WHO HAVE HAD DIARRHEA WITHIN THE PRIOR 14 DAYS SHALL NOT 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 ¾"=1'-0"

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○ CONSTRUCTION	

KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

DSA SUBMITTAL

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

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Application Number	Drawing Number
04-123133	CP-8
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EDK / GSF	

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ELECTRICAL SYMBOL LEGEND

SOME SYMBOLS IN THIS LEGEND MAY OR MAY NOT BE USED IN THIS PROJECT. FLOOR PLANS SHALL DICTATE WHICH SYMBOLS ARE APPLICABLE.

SYMBOL	DESCRIPTION
A–1,3	CONDUIT HOMERUN WITH PANEL DESIGNATION AND CIRCUITS INDICATED.
	CONDUIT/WIRING, INSTALLED IN OR BELOW FLOOR SLAB.
	CONDUIT/WIRING, EXPOSED.
	CONDUIT/WIRING CONCEALED IN WALL OR CEILING SPACE.
	CONDUIT, FLEXIBLE CONNECTION DRY LOCATIONS – FLEXIBLE STEEL CONDUIT WET LOCATIONS – LIQUIDTIGHT FLEXIBLE STEEL CONDUIT
A	LIGHT FIXTURE DESIGNATION
	POLE MOUNTED LIGHT FIXTURE WITH POLE AND FOUNDATION. NUMBER AND ORIENTATION OF LUMINAIRES AS SHOWN ON DRAWINGS.
S 3 ab	LIGHT SWITCH, WALL MOUNTED AT +42" AFF, U.O.N. 2 = TWO POLE, 3 = THREE WAY, 4 = FOUR WAY a,b = INDICATES ROOM SWITCHING CIRCUITS AND NUMBER OF SWITCHES D = DIMMER K = KEYED OC = OCCUPANCY SENSOR, DUAL TECHNOLOGY VS = VACANCY SENSOR, MANUAL ON, WHERE REQUIRED BY CODE P = PILOT LIGHT, LIGHTED IN THE OFF POSITION. BP = BYPASS TIMER WP = WEATHERPROOF WR = WEATHER RESISTANT F = FAN SWITCH S = SOLATUBE CONTROL T = TIMER SWITCH LV = LOW VOLTAGE
J	JUNCTION BOX, HANDHOLE OR PULLBOX WITH COVER, SIZE PER NEC, ART. 314.28.
M	UTILITY COMPANY APPROVED CT/METER PROVISIONS
	FUSED SWITCH
	CIRCUIT BREAKER
	LIGHTING OR POWER PANEL – FLUSH MOUNT UNLESS INDICATED OTHERWISE
LA	DISTRIBUTION BOARD, LIGHTING OR POWER PANEL DESIGNATION
	MOTOR OR MECHANICAL EQUIPMENT, WITH FLEXIBLE CONNECTION
FC 3	MECHANICAL EQUIPMENT DESIGNATION
30AS 3P F	DISCONNECT SWITCH (30=AMPS 3=POLES) NEMA 1 INDOORS NEMA 3R IN WET LOCATIONS F = FUSED PROVIDE TIME–DELAY TYPE FUSE(S) SIZED PER EQUIPMENT MANUFACTURERS NAMEPLATE RATING.
SM	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTOR
'0'	MAGNETIC MOTOR STARTER WITH THERMAL OVERLOAD PROTECTOR
	GROUND
30AS 3P '0'	COMBINATION MOTOR STARTER WITH FUSED SWITCH, WITH THERMAL OVERLOAD PROTECTOR AND DUAL ELEMENT FUSES. (30=AMPS, 3=POLES 0=STARTER SIZE).
	PUSHBUTTON OR SHUNT TRIP STATION
GFI	DUPLEX RECEPTACLE, +18" AFF, U.O.N.; NEMA 5–20R, U.O.N.; NUMBER INDICATES CIRCUIT NUMBER. GFIF = GROUND FAULT INTERRUPTION, FEED–THRU TYPE WP = WEATHERPROOF WITH A WEATHERPROOF WHILE–IN–USE COVER WR = WEATHER–RESISTANT TYPE RECEPTACLE WITH A WEATHERPROOF WHILE IN–USE COVER GFI = GROUND FAULT INTERRUPTION.
TC	TIME CLOCK
OR	DOUBLE DUPLEX RECEPTACLE, +18" AFF, U.O.N.
	DUPLEX RECEPTACLE ABOVE COUNTERTOP BACKSPLASH, VERIFY REQ'D HEIGHT
	SURFACE MOUNTED DUPLEX RECEPTACLE +18" AFF, U.O.N.
	SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE +18" AFF, U.O.N.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE SPECIFICALLY INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THESE EXISTING CONDITIONS, AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH THEY WILL BE REQUIRED TO PERFORM THEIR WORK.
2. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, ELECTRICAL EQUIPMENT, ETC., AFFECTED BY THE REMODELED AREA. THIS WILL INCLUDE REROUTING, OR THE EXTENSION OF, EXISTING CONDUIT AND FEEDERS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF EXISTING EQUIPMENT REMAINING.
3. ALL CIRCUIT NUMBERS AND EXISTING CONDUIT HOMERUNS SHOWN ON THESE DRAWINGS WERE TAKEN FROM EXISTING RECORD DRAWINGS. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF HOMERUNS, AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED.
4. WHERE EXISTING WALLS HAVE BEEN REMOVED, AND THERE ARE EXISTING CONDUIT FEEDS WHICH HAVE BEEN CUT–OFF AND CAPPED FLUSH WITH FLOOR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DIMENSION ALL SUCH CONDUITS ON THE "AS–BUILT" DRAWINGS UNLESS NOTED OTHERWISE.
5. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH ARE BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING CONDUIT, WIRING, ETC., AS REQUIRED.
6. WHERE NEW CIRCUITS ARE SHOWN TO EXISTING PANELS, INSTALL NEW BREAKERS OF SAME TYPE, STYLE AND RATING (MINIMUM 20 AMP, SINGLE POLE) AS CALLED FOR ON DRAWINGS. IDENTIFY EACH NEW CIRCUIT ON PANEL SCHEDULE.
7. EXISTING CONDUIT MAY BE REUSED IF ADEQUATELY SIZED, BUT IN NO CASE SHALL ANY EXISTING CONDUCTORS BE REUSED.
8. ALL ABANDONED OUTLETS INCLUDING LIGHT, RECEPTACLES, TELEPHONE, ETC., SHALL BE COVERED AND PATCHED TO MATCH THE FINISH OF SURROUNDING WALL OR CEILING TO THE SATISFACTION OF THE OWNER.
9. ALL LIGHTING FIXTURES REMOVED TO ACCOMPLISH DEMOLITION WORK SHALL BE REINSTALLED SIMILAR TO NEW WORK

BRANCH CIRCUIT WIRING NOTE:

1. FOR RECEPTACLE CIRCUITS AND 120 VOLT BRANCH CIRCUITS, UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING CONDUCTORS: (1) #12 CONDUCTOR FOR EACH PHASE (I.E. CIRCUIT NUMBER) AND (1) SEPARATE DEDICATED #12 NEUTRAL CONDUCTOR FOR EACH SINGLE 120 VOLT CIRCUIT OR FOR 2 TO 3 CIRCUITS PROVIDED THEY ARE OF DIFFERENT PHASES; (1) EQUIPMENT GROUNDING CONDUCTOR, SIZED PER CEC. FOR CIRCUITS TO COMPUTER/DATA EQUIPMENT, PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT.
2. FOR LIGHTING BRANCH CIRCUITS, PROVIDE THE FOLLOWING CONDUCTORS: (1) #12 CONDUCTOR FOR EACH PHASE (I.E. CIRCUIT NUMBER); (1) #12 NEUTRAL CONDUCTOR FOR A SINGLE, 120 OR 277 VOLT CIRCUIT, OR (1) #12 NEUTRAL CONDUCTOR FOR 2 TO 3 CIRCUITS WHERE EACH CIRCUIT IS ON A DIFFERENT PHASE; (1) EQUIPMENT GROUNDING CONDUCTOR, SIZED PER CEC ARTICLE 250 (DO NOT USE A COMMON NEUTRAL FOR MULTIPLE CIRCUITS ON SAME PHASE) (1) INTERCONNECTING CONDUCTOR BETWEEN EACH 3–WAY AND/OR 4–WAY SWITCH

APPLICABLE CODES

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 EDITION INTERNATIONAL BUILDING CODE, VOL. 1 & 2)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 EDITION NATIONAL ELECTRICAL CODE)
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM MECHANICAL CODE)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 EDITION IAPMO UNIFORM PLUMBING CODE)
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 EDITION INTERNATIONAL FIRE CODE)
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 EDITION INTERNATIONAL)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, CCR
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS
- 2022 NFPA 72 WITH STATE AMENDMENTS

PROJECT NOTES

1. THESE DOCUMENTS MAY NOT BE USED FOR ANY REPRODUCTION, BIDDING, OR CONSTRUCTION UNLESS AUTHORIZED, IN WRITING, BY SALAS O'BRIEN AND THE ENGINEER OF RECORD RESPONSIBLE FOR THEIR PREPARATION.
2. VERIFY EXISTING SITE CONDITIONS, ELECTRICAL SERVICE REQUIREMENTS, DIMENSIONS, ELEVATIONS, POINTS OF CONNECTION AND PROJECT CONSTRUCTION LIMITS BEFORE SUBMITTING BID. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
3. THESE DRAWINGS ARE DIAGRAMMATIC AND ONLY INDICATE THE INTENT OF OUTLETS, DEVICES, ETC., TO BE CONNECTED AND THE CIRCUIT NUMBERS TO WHICH THEY ARE TO BE CONNECTED TO. CONTRACTOR SHALL INSTALL ALL REQUIRED JUNCTION BOXES ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM WHICH COMPLIES WITH ALL LOCAL AND NATIONAL GOVERNING CODES.
4. ALL EXTERIOR EQUIPMENT SHALL BE WEATHERPROOF.
5. LOCATIONS OF ALL EQUIPMENT SHALL BE VERIFIED PRIOR TO ROUGH–IN.
6. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN COMPLIANCE WITH OSHA.
7. PVC CONDUIT, WITH CODE SIZED GROUND, SHALL BE USED UNDERGROUND ONLY, IF APPROVED BY LOCAL CODE. INSTALL PER LOCAL CODE REQUIREMENTS. CONDUIT RISERS AND STUBS ABOVE GRADE SHALL BE I.M.C. WITH HALF–LAPPED TAPE COVERING OR PVC COATING.
8. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM.
9. ALL MATERIALS SHALL BE NEW, AND OF THE SAME MANUFACTURER FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY THE UNDERWRITER'S LABORATORIES, AND SHALL BEAR THE INSPECTION LABEL WHERE SUBJECT TO SUCH APPROVAL. MATERIAL SHALL MEET WITH THE APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY, AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY A.N.S.I., U.L., N.E.M.A. AND N.B.F.U. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
10. ALL CONDUIT SHALL BE INSTALLED CONCEALED WHERE PHYSICALLY POSSIBLE. ALL EXPOSED CONDUIT SHALL BE INTERMEDIATE METAL CONDUIT AND INSTALLED PARALLEL TO OR AT RIGHT ANGLES WITH THE BUILDING WALLS. IF VIEWED BY THE PUBLIC, PAINT TO MATCH SURFACE TO WHICH IT IS ATTACHED.
11. CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, CODES, O.S.H.A. AND THE 2022 CALIFORNIA ELECTRICAL CODE (C.E.C.).
12. THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF THE CEC, ARTICLE 250.
13. ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED AREA SEPARATION AND CORRIDOR ASSEMBLIES INCLUDING CONDUITS AND PIPING SHALL BE TIGHTLY AND SOLIDLY SEALED WITH FIRESTOPPING WALLBOARD COMPOUND AND SHALL BE AN APPROVED MATERIAL AS REQUIRED BY LOCAL ENFORCING AGENCY.
14. ELECTRICAL CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS, UTILITY CHARGES AND PAY FOR SAME. COORDINATE AND PAY FOR ALL ELECTRICAL SERVICE CHARGES WITH THE BUILDING DEPARTMENT, SERVING UTILITY AND OWNER.
15. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER AFTER DATE OF ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.
16. CONDUCTORS SHALL BE CODE GRADE, 600 VOLT CLASS, COPPER (UNLESS NOTED OTHERWISE) MARKED EVERY 24" ALONG IT'S LENGTH SHOWING MANUFACTURER'S NAME, MAXIMUM ALLOWABLE VOLTAGE AND SIZE. GENERAL PURPOSE WIRING SHALL BE SOLID COPPER CONDUCTORS #10 AND SMALLER, STRANDED COPPER CONDUCTORS FOR #8 AND LARGER, TYPE 'THWN'(WET) OR 'THHN'(DRY). FOR SPECIAL PURPOSE WIRE TYPES REFER TO EQUIPMENT MANUFACTURER'S PLANS.
17. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
18. USE ONLY COMPETENT AND SKILLED PERSONNEL AND PERFORM ALL WORK, INCLUDING AESTHETIC AS WELL AS ELECTRICAL AND MECHANICAL ASPECTS TO STANDARDS CONSISTENT WITH THE BEST PRACTICES OF THE TRADE.
19. ALL ELECTRICAL SYSTEM CONDUCTORS SHALL BE INSTALLED IN APPROVED RACEWAYS. NON–METALLIC SHEATHED CABLE IS NOT APPROVED.
20. WHERE IT BECOMES NECESSARY TO DRILL INTO OR CUT THROUGH ANY EXISTING SLABS, WALKWAYS OR DRIVES TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS CONTRACT, OR TO REPAIR ANY DEFECTS THAT MAY APPEAR TO THE EXPIRATION OF THE WARRANTY, SUCH CUTTING AND PATCHING SHALL PERFORMED BY TRADESMAN EXPERIENCED IN THE WORK REQUIRED. CONTRACTOR SHALL PAY FOR ALL COSTS REQUIRED FOR CUTTING OR REPAIRING. ALL FINISHES SHALL MATCH EXISTING OR NEW ADJACENT SURFACES.
21. ALL BROCHURES, OPERATING MANUALS, CATALOGS, ETC. SHALL BE TURNED OVER TO THE OWNER AT JOB COMPLETION.
22. ALL SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT TEN (10) DAYS PRIOR TO BID. SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO, COST SAVINGS, WRITTEN REASON FOR SUBSTITUTION AND A WRITTEN STATEMENT THAT IF THE SUBSTITUTION IS APPROVED, THERE WILL BE NO DELAY IN DELIVERY, CONSTRUCTION TIME OR COST TO OTHER TRADES.
23. PROVIDE ENGRAVED PLASTIC NAMEPLATES FOR ALL MAJOR PIECES OF EQUIPMENT. PLATES SHALL BE 3 PLY, BLACK FACE, WHITE CORE WITH 1/4" HIGH CONDENSED GOTHIC LETTERING. SCREW–ON ATTACHMENT ONLY. NO CEMENT.
24. PROVIDE THE OWNER WITH ONE (1) SET OF COMPLETE ELECTRICAL "AS–BUILTS" AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DEPTHS AND LOCATIONS.
25. WHERE A CONFLICT OCCURS BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS ISSUED AS PART OF THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENTS SHALL PREVAIL.
26. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES. THE OWNER WILL MAKE NO SUBSEQUENT ALLOWANCE FOR ELECTRICAL WORK REQUIRED BY OTHER TRADES. OBTAIN ALL OTHER PERTINENT INFORMATION REQUIRED TO MEET ACTUAL BUILDING OR FIELD CONDITIONS.
27. ALL FINAL CONNECTIONS TO OWNER–FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR. CONNECTIONS TO ALL EQUIPMENT FURNISHED BY OTHERS SHALL BE COORDINATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGHING IN ALL CONDUIT TO THIS EQUIPMENT.
28. NOTIFY THE OWNER'S REPRESENTATIVE WHEREVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, TRANSFORMERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS) THAT ARISE ON THE DRAWINGS AND/OR SPECIFICATIONS. PROVIDE AND INSTALL ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON DRAWINGS AND/OR IN THE SPECIFICATIONS TO INSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ENGINEER.
29. ALL FEEDER AND BRANCH CIRCUITS SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC, AND RUN IN THE SAME RACEWAY OR CONDUIT SUPPLYING SUCH FEEDER OR BRANCH CIRCUIT.
30. TRENCH AND BACKFILL AS REQUIRED TO PERFORM UNDERGROUND WORK. USE EXTREME CAUTION WHEN TRENCHING SO AS NOT TO INTERFERE WITH EXISTING UNDERGROUND UTILITIES. REPAIR ANY DAMAGE CAUSED BY UNDERGROUND TRENCHING.
31. PATCH AND REPAIR WALLS OR CEILINGS WHICH HAVE BEEN DAMAGED BECAUSE OF ELECTRICAL WORK.
32. CONDUIT SHALL NOT BE RUN THROUGH ANY STRUCTURAL MEMBER OF THE BUILDING, EXCEPT AS SPECIFICALLY DIRECTED BY THE OWNER'S REPRESENTATIVE. UNDER NO CIRCUMSTANCE SHALL CONDUIT RUN THROUGH COLUMNS, FOOTINGS OR GRADE BEAMS.
33. FOR ADDITIONAL ROUGH–IN AND WIRING REQUIREMENTS SEE MANUFACTURER'S INSTALLATION PLANS, WHICH ARE SUPPLEMENTAL TO AND PART OF THE ELECTRICAL WORK.
34. EXACT ROUTING OF ALL FEEDERS, CONDUITS, ETC. SHALL BE FIELD VERIFIED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. COORDINATE THE INSTALLATION WITH OTHER TRADES.
35. COLD WATER PIPE GROUNDING BOND SHALL BE LOCATED WITHIN 5' OF BUILDING ENTRANCE.
36. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
    A. EQUIPMENT ON GRADE – 20% OF OPERATING WEIGHT
    B. EQUIPMENT ON STRUCTURE – 30% OF OPERATING WEIGHT
    C. FOR FLEXIBLY MOUNTED EQUIPMENT USE FOUR (4) TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE ONE–THIRD (1/3) TIMES THE HORIZONTAL FORCE.
    D. THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR I = 1.0 AND SEISMIC ZONE Z = 0.4
    E. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD INSPECTOR.
40. ALL OUTLET RATINGS SHALL BE 20 AMPS, UNLESS NOTED OTHERWISE.

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 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 INCLUDED ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE.
2. 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 THAN 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.

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS 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 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):

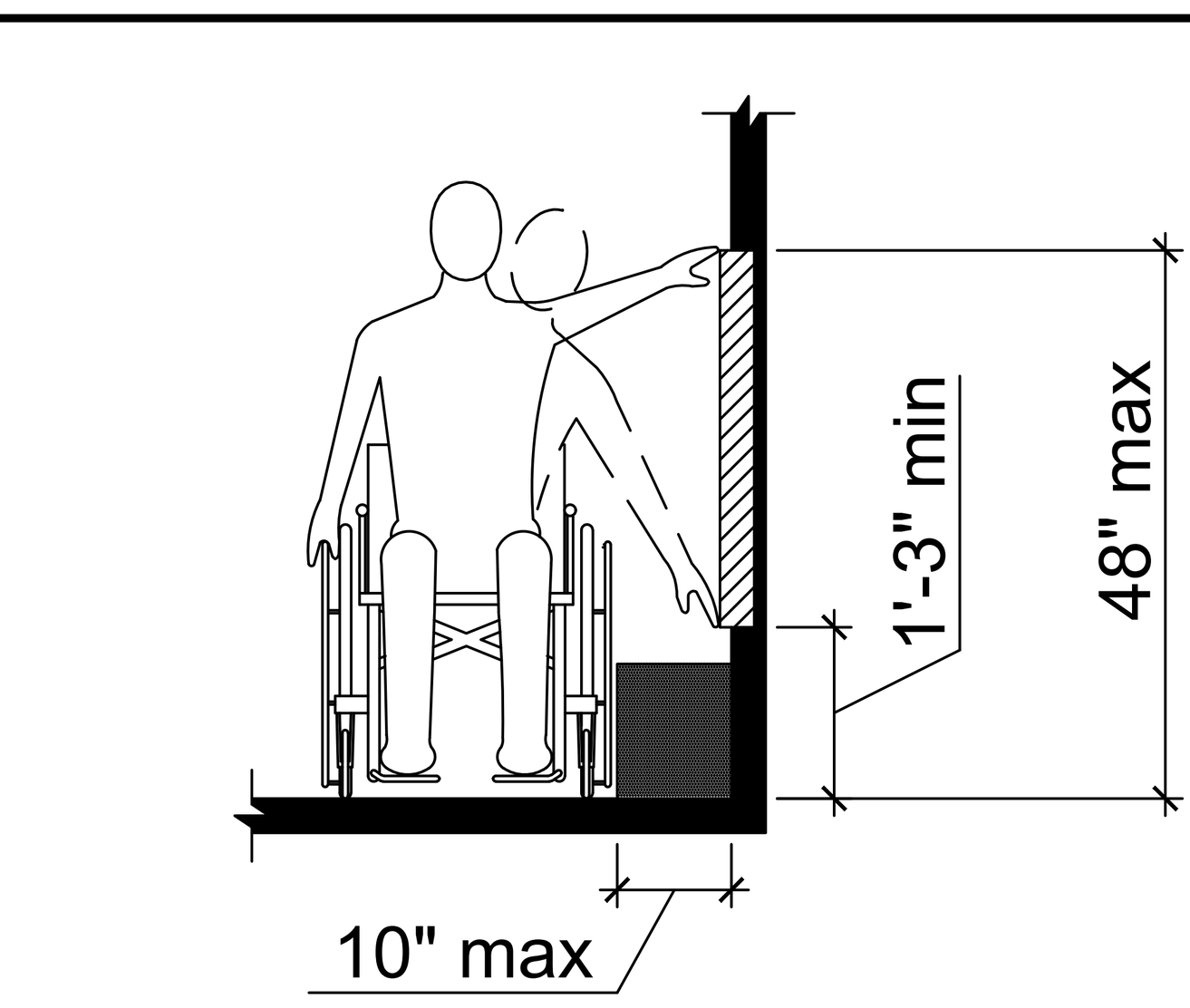
MP☐ MD☐ PP☐ E☑ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

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

ABBREVIATIONS

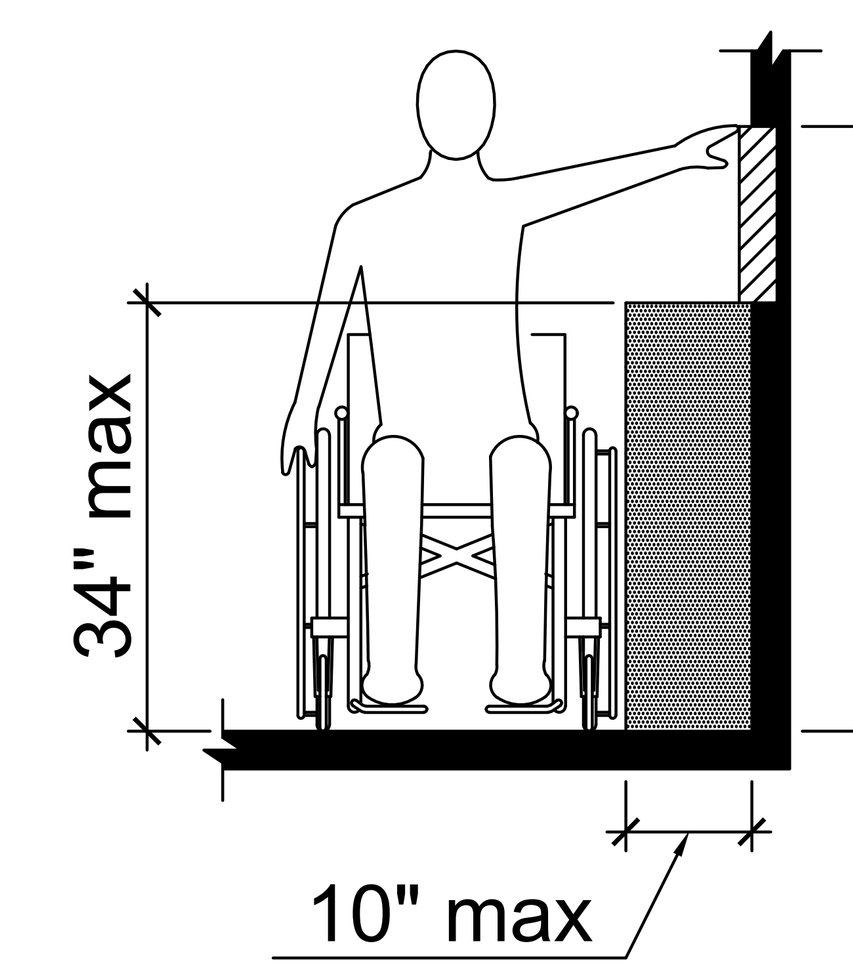
A	AMPS
AF	AMP FUSE (SIZE), AMP FRAME (SIZE)
AFCI	ARC FAULT CURRENT INTERRUPT
AFF	ABOVE FINISH FLOOR
AS	AMP SWITCH (SIZE)
BC	BARE COPPER
C	CONDUIT
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CO	CONDUIT ONLY, WITH PULL LINE
CU	COPPER
EDF	ELECTRIC DRINKING FOUNTAIN
EM	EMERGENCY POWER
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING
EXP	EXPLOSION PROOF
F	FUSE
G	GROUND CONDUCTOR
GFI	GROUND FAULT INTERRUPT PROTECTION
GND	GROUND
I.G.	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
ISC	INTERRUPTING SHORT CIRCUIT
LCL	LONG CONTINUOUS LOAD
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NA	NON–AUTOMATIC
NEC	NATIONAL ELECTRICAL CODE
NKE	NO KNOWN EQUAL; NO SUBSTITUTES
NOM	NOMINAL
NTS	NOT TO SCALE
P	POLE
PH OR ø	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
SFM	STATE FIRE MARSHAL
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TYP	TYPICAL, UNLESS NOTED OTHERWISE, OF MANY
U.O.N.	UNLESS OTHERWISE NOTED OR INDICATED
V	VOLTS
WP	WEATHERPROOF
X	EXISTING TO REMAIN
XL	EXISTING TO BE RELOCATED
XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING TO BE REMOVED
XFMR	TRANSFORMER

ADA MOUNTING DETAIL

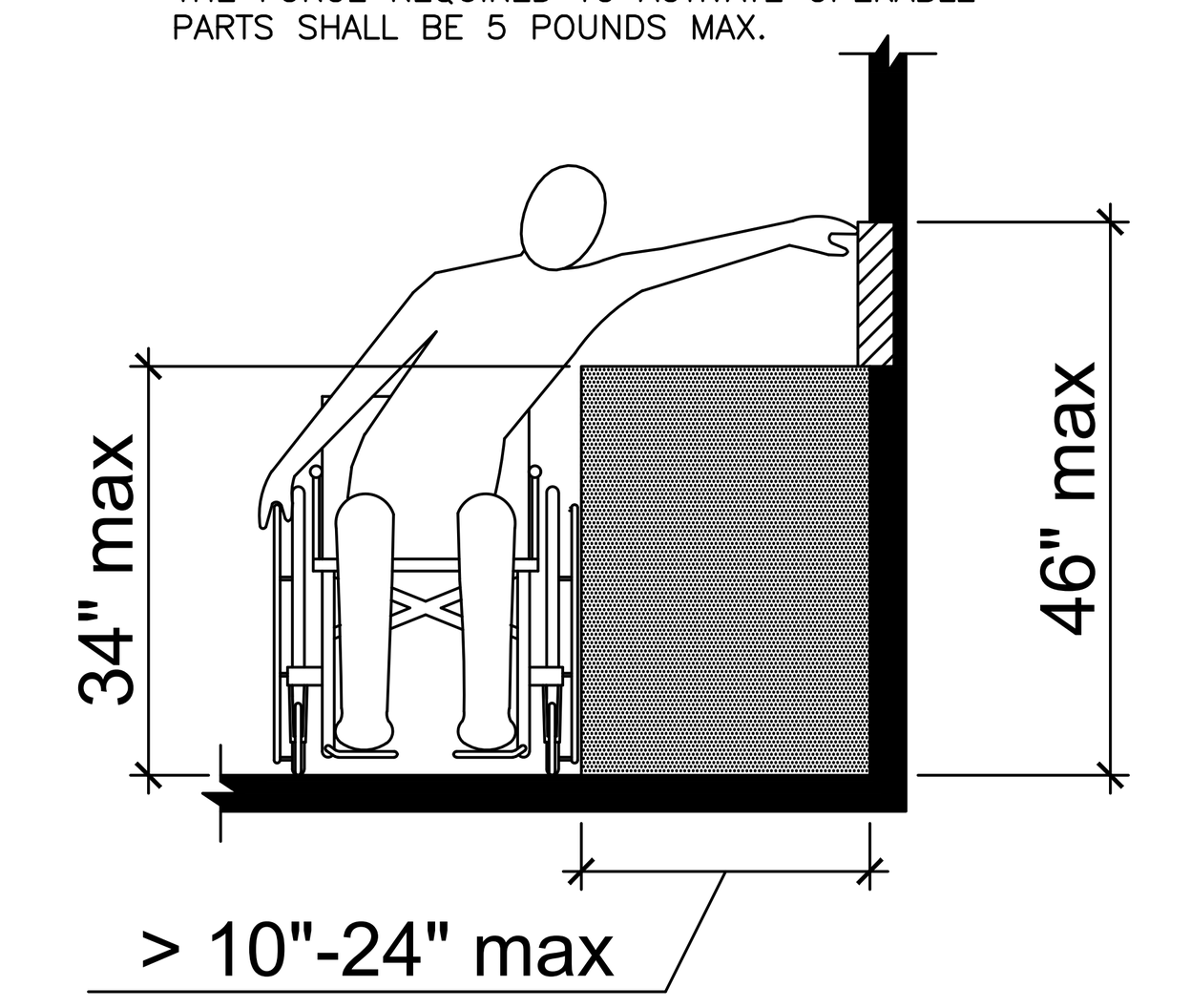


UNOBSTRUCTED SIDE REACH

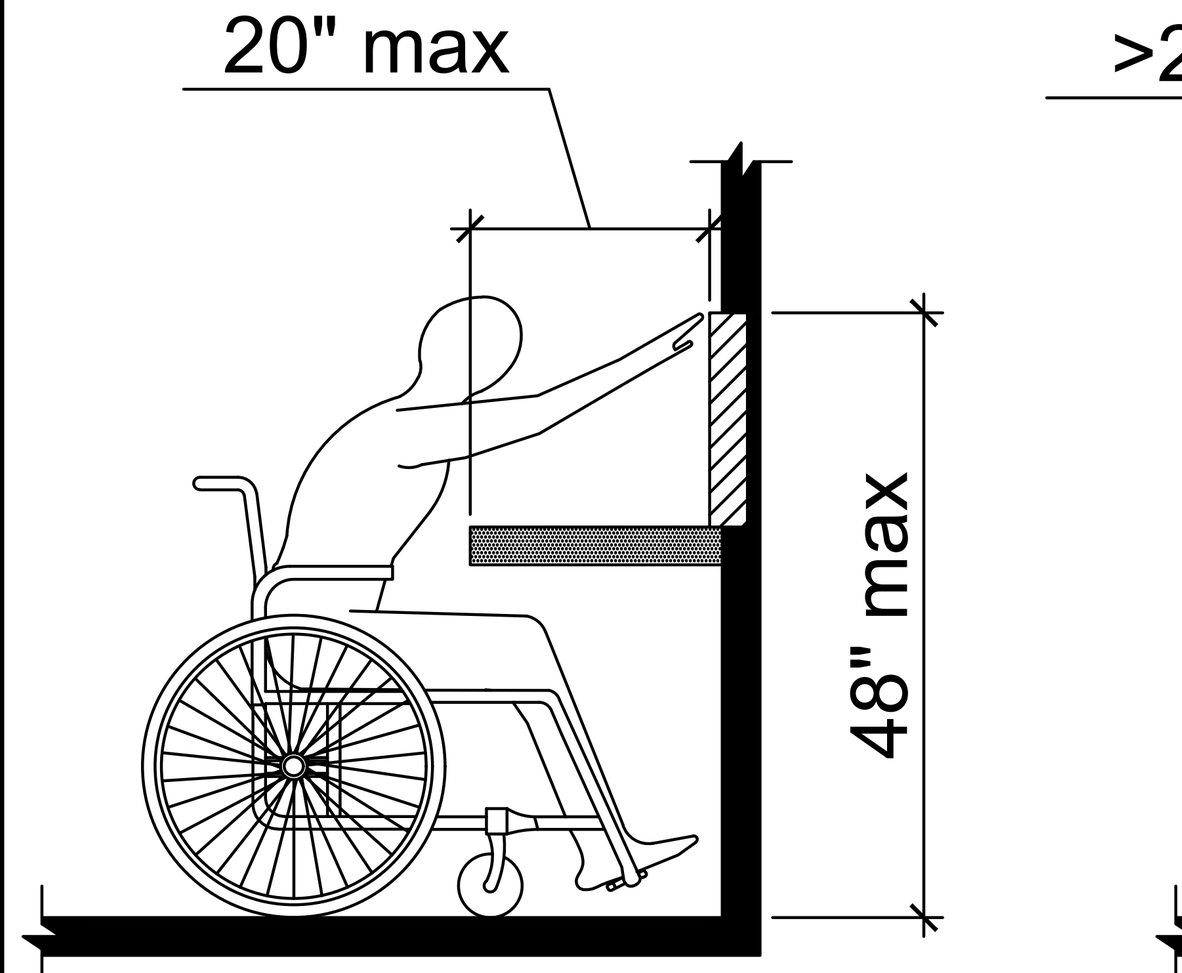
1. UNOBSTRUCTED: WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES MAX AND THE LOW SIDE REACH SHALL BE 15 INCHES MIN ABOVE FINIS FLOOR OR GROUND.
   A. EXCEPTION: AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10 INCHES MAX.
2. OBSTRUCTED HIGH REACH: WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AND OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAX AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAX, THE HIGH SIDE REACH SHALL BE 48 INCHES MAX FOR A REACH DEPTH OF 10 INCHES MAX WHERE THE REACH DEPTH EXCEEDS 10 INCHES, THE HIGH SIDE REACH SHALL BE 46 INCHES MAX FOR A REACH DEPTH OF 24 INCHES MAX.
3. OPERATION: OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.



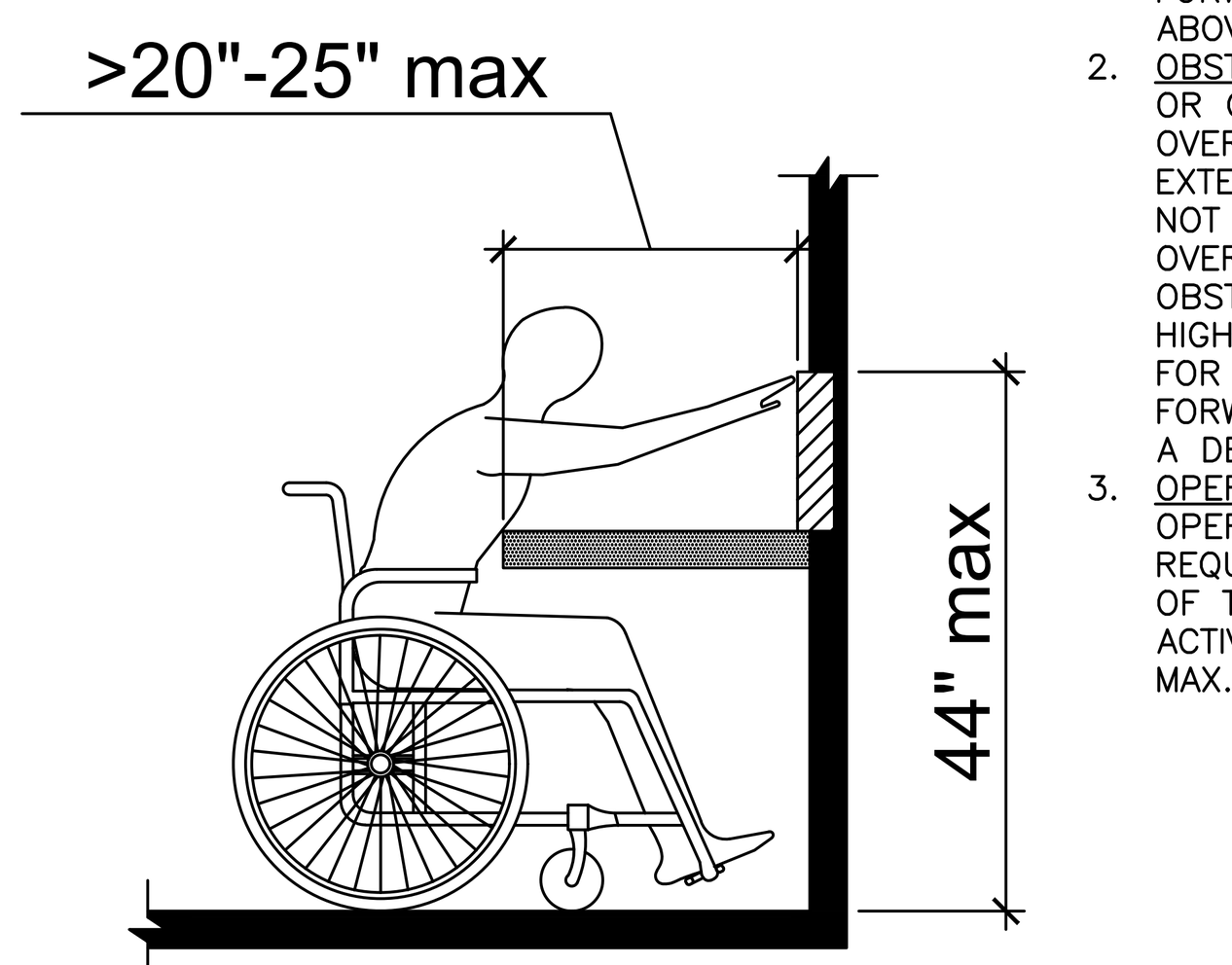
(a)



(b)



(a)



(b)

1. UNOBSTRUCTED: WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAX AND THE LOW FORWARD REACH SHALL BE 15 INCHES MIN ABOVE FINISH FLOOR OR GROUND.
2. OBSTRUCTED HIGH REACH: WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION AND THE DEPTH OF THE OBSTRUCTION SHALL BE 25 INCHES MAX THE HIGH FORWARD REACH SHALL BE 48 INCHES MAX FOR A REACH DEPTH OF 20 INCHES, THE HIGH FORWARD REACH SHALL BE 44 INCHES MAX FOR A DEPTH OF 25 INCHES MAX.
3. OPERATION: OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.

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DATE: 08/22/2024

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER EDUARDO A. DAVID No. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA DATE SIGNED: __/__/2024

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS — DATE
- ○ DSA PLAN CHECK
- ○ DSA BACK CHECK
- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

PROGRESS SET 01/19/2024

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

ELECTRICAL LEGEND AND GENERAL NOTES

Date	Project Number
01/19/2024	23071
Application Number	Drawing Number
04-123133	E0.1
Drawn SK	Checked TPT

PRINT DATE: 1/16/2024 9:38:58 AM
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LIGHTING CONTROL PANEL – 'LCP-PB'

RELAY #	PANEL	CIR #	VOLTS	SERVES	CONTROL	BLDG. SHUT-OFF CONTROL BY	BLDG. OVERIDE CONTROL BY
1	1L6	1	277	POLE	LOW VOLTAGE SWITCH	TIMECLOCK "LCP"	SLV
2	1L6	3	277	POLE	LOW VOLTAGE SWITCH	TIMECLOCK "LCP"	SLV
3	1L6	11	–	POLE	MOTION SENSOR	TIMECLOCK "LCP"	SLV
4	–	–	–	SPARE	–	–	–
5	–	–	–	SPARE	–	–	–
6	–	–	–	SPARE	–	–	–
7	–	–		SPARE	–	–	–
8	–	–		SPARE	–	–	–
9				SPACE			
10				SPACE			
11				SPACE			
12				SPACE			

LIGHTING MATRIX CONTROL SYSTEM NOTES:

1. PROVIDE THE LIGHTING CONTROL SYSTEM WITH AN INTEGRAL ELECTRONIC SOLID-STATE, 365 DAY PROGRAMMABLE, MULTI-CHANNEL, TIME SWITCH WITH INTEGRAL BACKUP POWER (MINIMUM 90 MINUTES).

EXISTING LIGHTING FIXTURE SCHEDULE

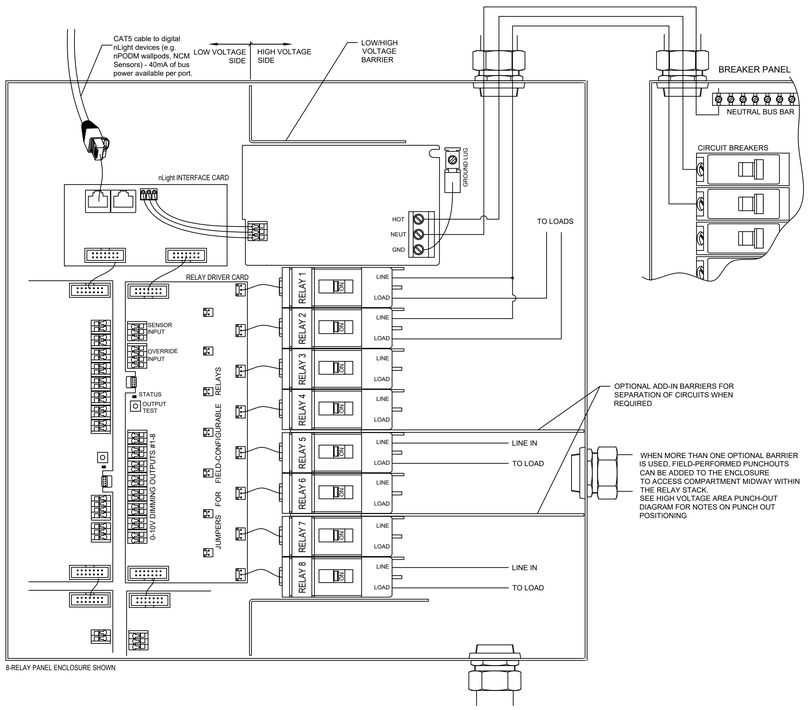
FIXT DES	SYMBOL	LAMP TYPE	FIXTURE MOUNTING	LAMP DESC	WATTS	VOLTS	MFR/CATALOG	DESCRIPTION
X1		METAL HALIDE	POLE	METAL HALIDE	–	120	EXISTING	POLE MOUNT METAL HALIDE POOL LIGHT FIXTURE

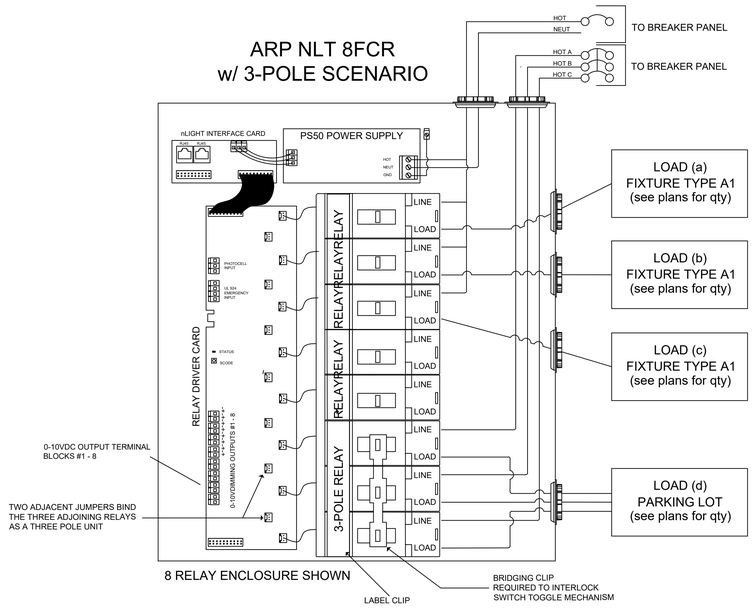
LIGHTING FIXTURE SCHEDULE

FIXT DES	SYMBOL	LAMP TYPE	FIXTURE MOUNTING	LAMP DESC	WATTS	VOLTS	MFR/CATALOG	DESCRIPTION	MOUNTING DETAIL REFERENCE
F1		LED	POLE	104W 5000K 12,357 LUMENS	104	277	SIGNIFY ECF-S-32L-1A-NW-G2-AR-5-UNV-BL-IMR13-BZ	POLE MOUNTED LED SITE LIGHT FIXTURE, FULL CUTOFF, TYPE 5 MEDIUM OPTICS, INTEGRAL MOTION-AMBIENT SENSOR AND DARK BRONZE FINISH	
F2				LED 5700K	706W PER POLE	277	HEAD: VUE-34X-SP-224L-70-SP-40K7-ICAX-T 15 TUKT FSS POLE: NAFCO VS-RTSA-39-7824-11-AB-FP-BK-D1-EHH ACCESSORIES: NAFCO VS-S-BLH-R24-2-180-FP-BK	WILLSPORT KBX LED LIGHTING SYSTEM 630W LED SPORTS LIGHTER W/GLARE KILLERS, SPORT OPTICS 40' TALL x 7.8" BASE x 2.4" TOP x 11GA THICK, ROUND TAPERED STEEL, ANCHOR BASE LIGHT POLE, FULL BASE COVER, WIRING HAND HOLE & COVER, STANDARD FIXTURE MOUNTING & FINISH COLOR. BLACK FINISH. 3 AT 180 DEGREE, FIXTURE MOUNT, STEEL BULLHORN BRACKET, POLE TOP BLACK COAT FINISH BLACK	
F3		LED	POLE	104W 5000K 12,357 LUMENS	104	277	SIGNIFY ECF-S-32L-1A-NW-G2-AR-5-UNV-BL-IMR13-BZ	POLE MOUNTED LED SITE LIGHT FIXTURE, FULL CUTOFF, TYPE 5 MEDIUM OPTICS, INTEGRAL MOTION-AMBIENT SENSOR AND DARK BRONZE FINISH	

LIGHTING FIXTURE NOTES:

1. PROVIDE SPECIFIED LIGHTING MANUFACTURER FOR EACH LIGHT FIXTURE. ANY SUBSTITUTIONS SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE LISTED MANUFACTURERS CATALOG NUMBER. SUBSTITUTIONS MUST BE APPROVED BY ARCHITECT.





SCALE: NONE

LIGHTING CONTROL PANEL 1

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER EDWARD A. SIMPSON No. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA DATE SIGNED: __/__/2024

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

DATE
- ○ DSA PLAN CHECK
- ○ DSA BACK CHECK
- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

PROGRESS SET 01/19/2024

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

ELECTRICAL SCHEDULES

Date	Project Number
01/19/2024	23071
Application Number	Drawing Number
04-123133	E0.2
Drawn / Checked	
SK / TPT	

PRINT DATE: 1/16/2024 9:38:58 AM
FILE PATH: C:\Users\mandi.BENTON_SERVER\OneDrive - BCA Architects, Inc\Documents\23071-MVHS Pool Modernization v21_mandi%20BDH.rvt

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Murrieta Valley Pool Lighting	**Report Page:** (Page 7 of 7)
Project Address: 42200 Nighthawk Way	**Date Prepared:** 3/15/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company: Salas O'Brien Engineers	Signature Date: 2024-03-15
Address: 3220 Executive Ridge Suite 210	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Vista CA 92081	Phone: (760)560-0100

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:
Ed David	
Company: Salas O'Brien	Date Signed: 2024-03-15
Address: 3220 Executive Ridge Suite 210	License: E18809
City/State/Zip: Vista CA 92081	Phone: (760)560-0100

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Murrieta Valley Pool Lighting	**Report Page:** (Page 4 of 7)
	Date Prepared: 3/15/2024

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
EXTERIOR POLE LIGHT	Astronomical Timer	Provided	FacadeGTE24Ft	☐	☐

[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.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Murrieta Valley Pool Lighting	**Report Page:** (Page 1 of 7)
Project Address: 42200 Nighthawk Way	**Date Prepared:** 3/15/2024

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

A. GENERAL INFORMATION

01	Project Location (city)	Murrieta	04	Total Illuminated Hardscape Area (ft²)	13000
02	Climate Zone	10			

03 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):

☐ LZ-0: Very Low - Undeveloped Parkland ☐ LZ-2: Moderate - Urban Clusters ☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐ LZ-1: Low - Rural Areas ☒ LZ-3: Moderately High - Urban Areas

05 Occupancy Types within Project

● All Other Occupancies

B. PROJECT SCOPE

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

My Project Consists of:

01	02	
☐ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☒ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	● Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%	0	

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

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

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Murrieta Valley Pool Lighting	**Report Page:** (Page 5 of 7)
	Date Prepared: 3/15/2024

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 Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
General Site lighting	13000	0.021	273	100	0.2	20	293
					Initial Wattage Allowance for Entire Site (Watts):		250
					Instances of Initial Wattage Allowance (LZ 0 only)[1]		
					Total General Hardscape Allowance (Watts):		543

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.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Murrieta Valley Pool Lighting	**Report Page:** (Page 2 of 7)
	Date Prepared: 3/15/2024

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											Compliance Results			
01		02		03		04		05	OR	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)		Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)		**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
543	+	---	+	---	+	---	+	---	OR	---	=	543	≥	520	COMPLIES
										Shielding Compliance (See Table G for Details)					N/A
										Controls Compliance (See Table H for Details)					COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Murrieta Valley Pool Lighting	**Report Page:** (Page 6 of 7)
	Date Prepared: 3/15/2024

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.	EXTERIOR POLE LIGHT;

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Murrieta Valley Pool Lighting	**Report Page:** (Page 3 of 7)
	Date Prepared: 3/15/2024

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

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

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
F1	POST TOP SITE	☐ Linear	104	Mfr. Spec	2	New	☐	208	NA: < 6200 lumens	☐	☐
F3	POST TOP	☐ Linear	104	Mfr. Spec	3	New	☐	312	NA: < 6200 lumens	☐	☐
							Total Design Watts:	520			

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

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

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

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#2023-05819
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ARCHITECT | ENGINEER

REGISTERED PROFESSIONAL ENGINEER
EDWARD A. DAVID
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA
DATE SIGNED: __/__/2024

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REVISION HISTORY

NO.	REMARKS	DATE

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KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

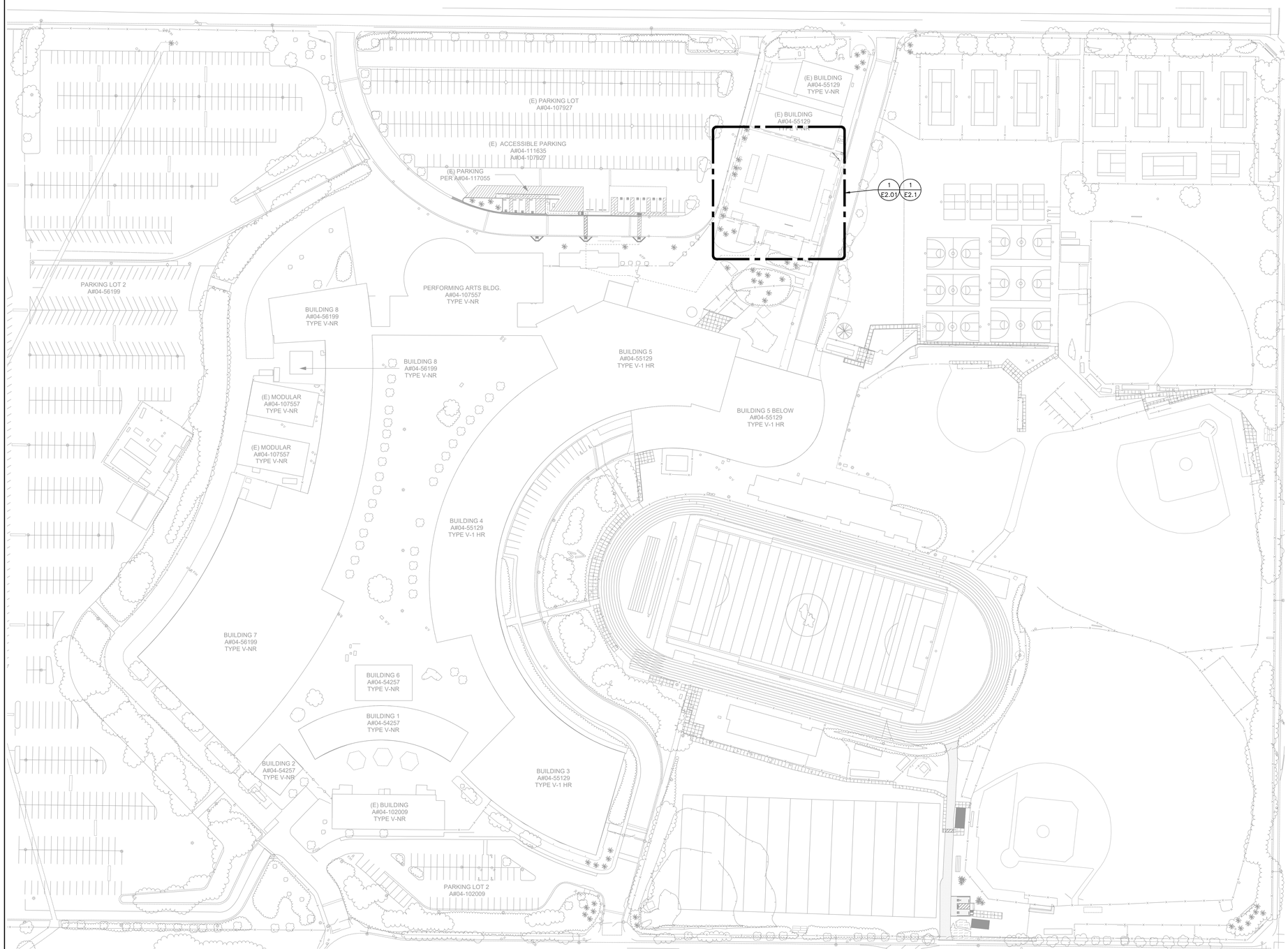
PROGRESS SET 01/19/2024

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

TITLE 24

Date 01/19/2024
Project Number 23071
Application Number 04-123133
Drawing Number E0.3
Drawn SK
Checked TPT

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KEY NOTES

1 --

ELECTRICAL SITE PLAN 1" = '-60" 1

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER EDWARD A. SMITH No. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA DATE SIGNED: __/__/2024

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DATE
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- ○ CONSTRUCTION

KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

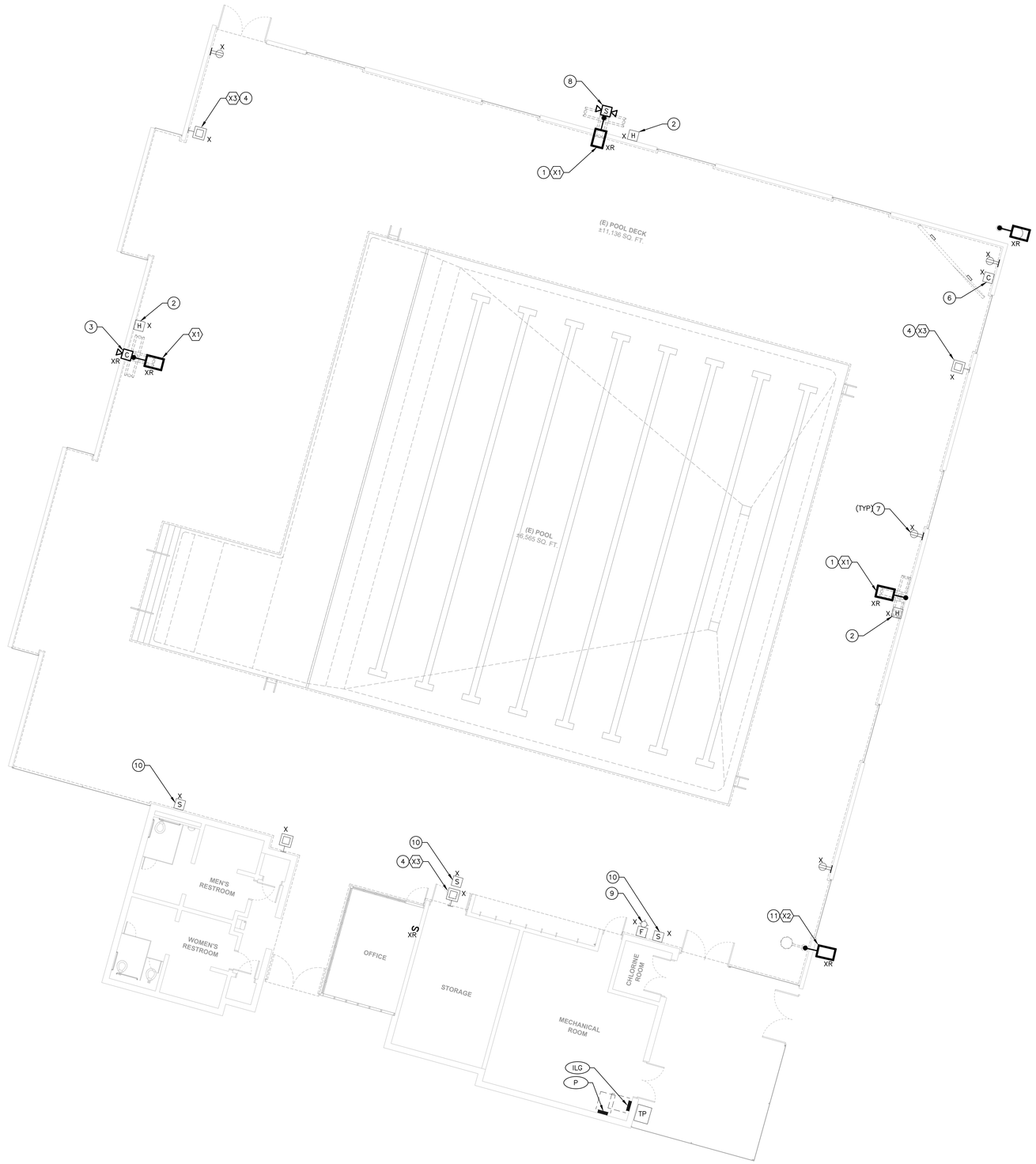
PROGRESS SET 01/19/2024

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

ELECTRICAL
SITE PLAN

Date	Project Number
01/19/2024	23071
Application Number	Drawing Number
04-123133	E1.1
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KEY NOTES

1. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, POLE AND ALL THE ASSOCIATED CONDUCTORS BACK TO IT'S ORIGINAL SOURCE.
2. ELECTRICAL JUNCTION BOX TO REMAIN. DISCONNECT AND REMOVE EXISTING ELECTRICAL CONDUCTORS AND MAINTAIN EXISTING JUNCTION BOX AND CONDUITS FOR REUSE. CONTRACTOR SHALL CONFIRM IF EXISTING CONDUIT IN A GOOD CONDITION TO REUSE.
3. EXISTING CCTV POLE CAMERA. DISCONNECT AND REMOVE FROM THE POLE AND COORDINATE WITH SCHOOL DISTRICT IT PERSONNEL FOR SALVAGE AND REUSE ON THE NEW LIGHT POLE. REMOVE EXISTING CONDUIT AND CABLING BACK TO ITS ORIGINAL SOURCE.
4. EXISTING SECURITY WALL MOUNTED LIGHT TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
5. DISCONNECT AND REMOVE EXISTING STREET LIGHT. PROTECT IN PLACE EXISTING HANDHOLE AND CONDUIT.
6. EXISTING COMMUNICATION BOX TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
7. ALL EXISTING POWER OUTLETS TO REMAIN IN THIS WALL. PROTECT IN PLACE DURING CONSTRUCTION.
8. EXISTING POLE MOUNTED SPEAKERS. DISCONNECT AND REMOVE FROM THE POLE AND COORDINATE WITH SCHOOL DISTRICT IT PERSONNEL FOR SALVAGE AND REUSE ON THE NEW LIGHT POLE. REMOVE EXISTING CONDUIT AND CABLING BACK TO ITS ORIGINAL SOURCE.
9. EXISTING FIRE ALARM HORN/STROBE TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
10. EXISTING PAGING SPEAKER TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
11. DISCONNECT AND REMOVE EXISTING POWER LIGHTING FIXTURE. MAINTAIN EXISTING CONDUIT AND BRANCH CIRCUIT TO RECONNECT TO NEW LIGHTING FIXTURE.

ELECTRICAL ENLARGED DEMOLITION SITE PLAN 1/8" = 1'-0" 1

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ARCHITECT | ENGINEER

REGISTERED PROFESSIONAL ENGINEER
TERRANCE A. SMITH
No. E18809
Exp. 6/30/25
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STATE OF CALIFORNIA
DATE SIGNED: __/__/2024

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KEY PLAN

MURRIETA VALLEY USD
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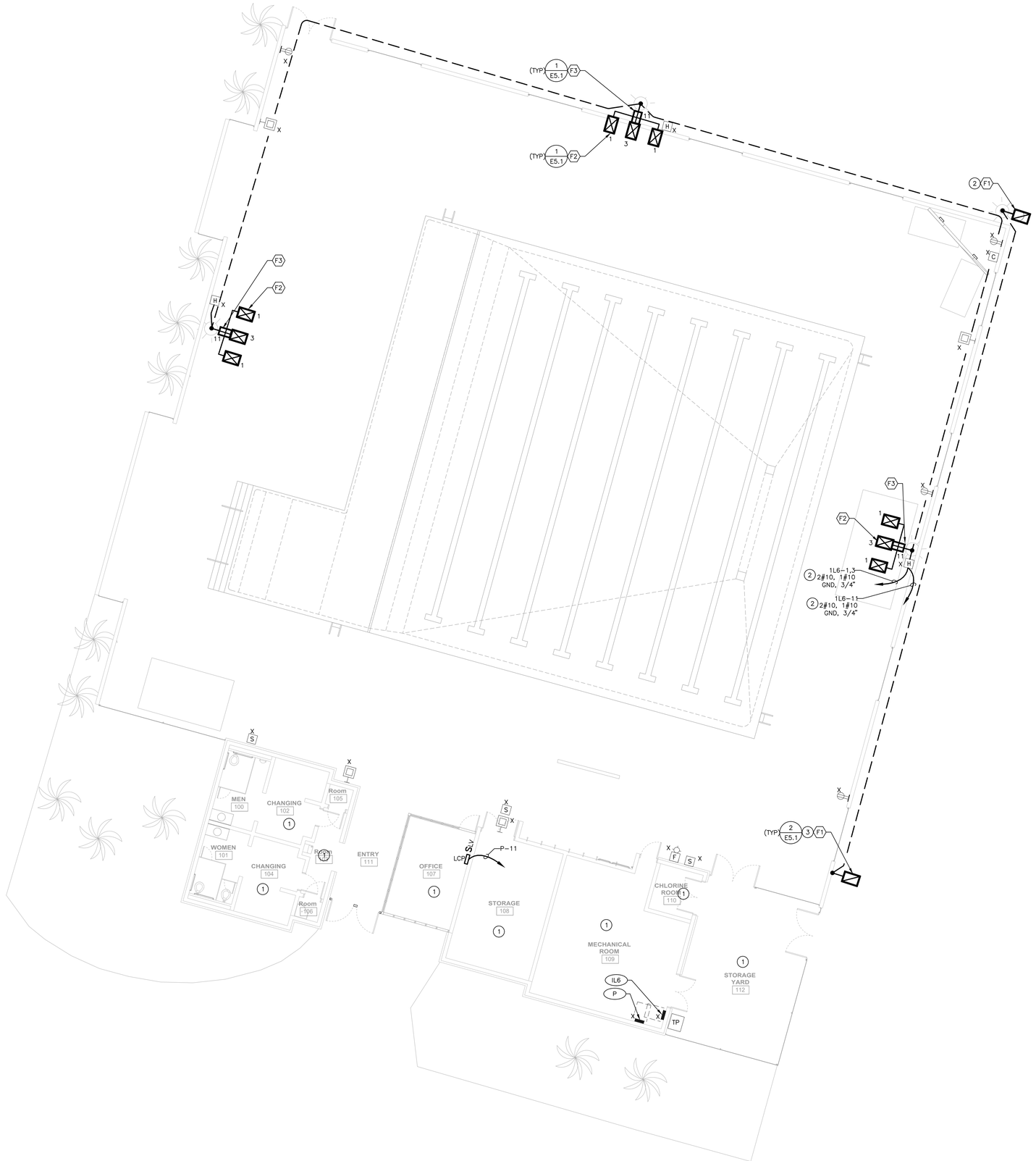
PROGRESS SET 01/19/2024

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

ELECTRICAL ENLARGED DEMOLITION SITE PLAN

Date	Project Number
01/19/2024	23071
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04-123133	E2.01
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GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

KEY NOTES

1. ALL ELECTRICAL AND TELECOM DEVICES (OUTLETS, LIGHTING AND DATA) EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ROUTE LIGHTING FIXTURE BRANCH CIRCUIT THRU LIGHTING CONTROL PANEL.
3. INTERCEPT AND EXTEND NEW LIGHTING FIXTURE TO EXISTING BRANCH CIRCUIT. CONTRACTOR SHALL VERIFY EXISTING BRANCH CIRCUIT CONDITIONS PRIOR TO START OF WORK.

ELECTRICAL ENLARGED FLOOR PLAN | 1/8" = 1'-0" | 1

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APP: 04-123133 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 08/22/2024

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E-Mail
#2023-05819
DB | - | - | NP

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER TIMOTHY A. PAPE No. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA DATE SIGNED: __/__/2024

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- ○ CONSTRUCTION

KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

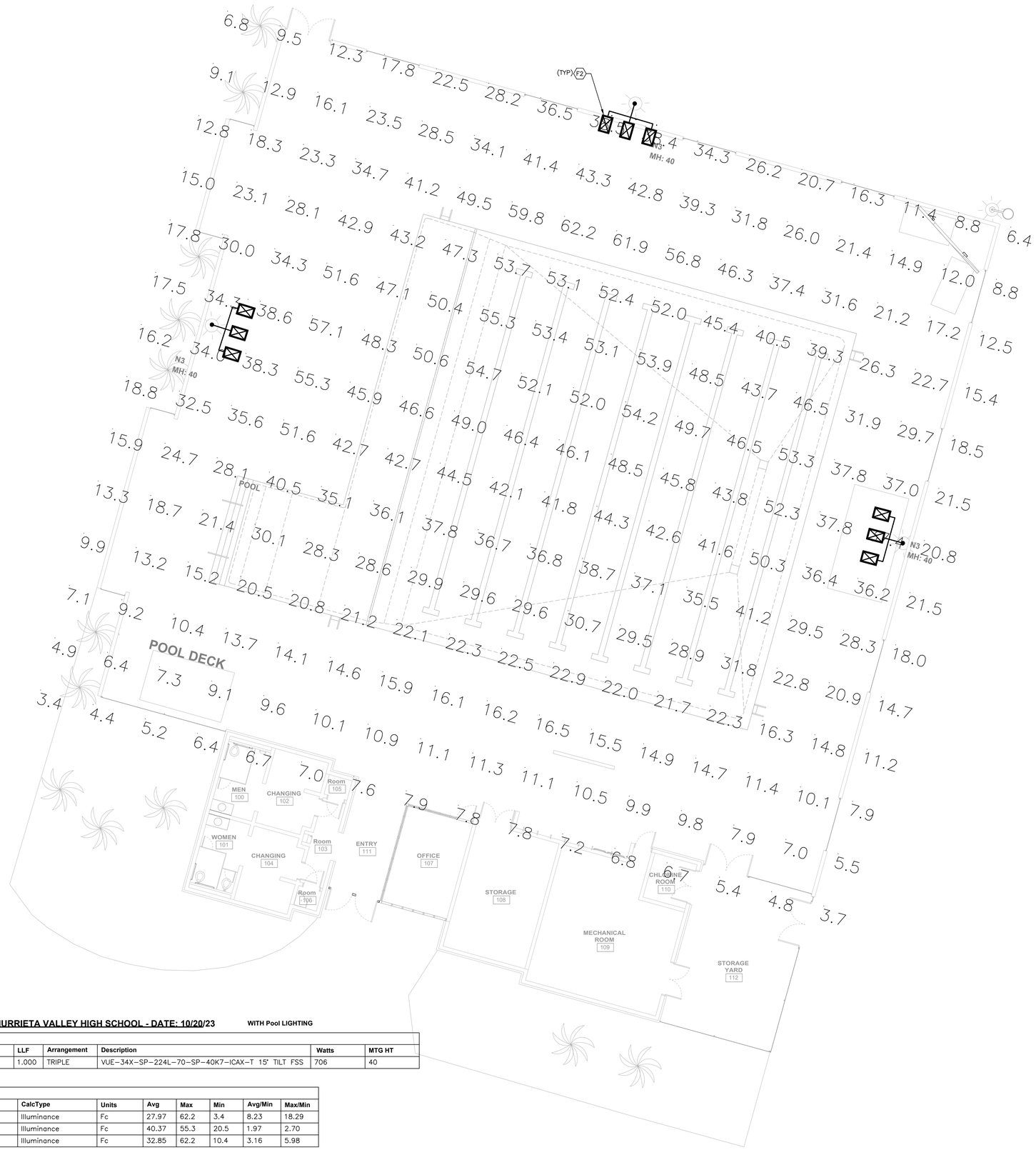
PROGRESS SET 01/19/2024

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

ELECTRICAL ENLARGED FLOOR PLAN

Date	Project Number
01/19/2024	23071
Application Number	Drawing Number
04-123133	E2.1
Drawn: SK	Checked: TPT

PRINT DATE: 1/16/2024 9:38:59 AM
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MURRIETA VALLEY HIGH SCHOOL - DATE: 10/20/23 **WITH Pool LIGHTING**

Luminaire Schedule							
Symbol	Qty	Label	LLF	Arrangement	Description	Watts	MTG HT
	3	N3	1.000	TRIPLE	VUE-34X-SP-224L-70-SP-40K7-ICAX-T 15' TILT FSS	706	40

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE CLACS	Illuminance	Fc	27.97	62.2	3.4	8.23	18.29
POOL	Illuminance	Fc	40.37	55.3	20.5	1.97	2.70
POOL DECK	Illuminance	Fc	32.85	62.2	10.4	3.16	5.98

GENERAL NOTES

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LIGHTING NORMAL PHOTOMETRIC FLOOR PLAN 1/8" = 1'-0" 1

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DATE: 08/22/2024

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER TIMOTHY A. BURTON No. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA DATE SIGNED: __/__/2024

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS — DATE

- ○ DSA PLAN CHECK
- ○ DSA BACK CHECK
- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN

MURRIETA VALLEY USD
41870 MCALBY COURT
MURRIETA, CA 92562

PROGRESS SET 01/19/2024

MURRIETA VALLEY HS
POOL MODERNIZATION
42200 NIGHTHAWK WY
MURRIETA, CA 92562

LIGHTING NORMAL PHOTOMETRIC FLOOR PLAN

Date	Project Number
01/19/2024	23071
Application Number	Drawing Number
04-123133	E2.1PH
Drawn SK	Checked TPT

PRINT DATE: 1/16/2024 9:39:59 AM
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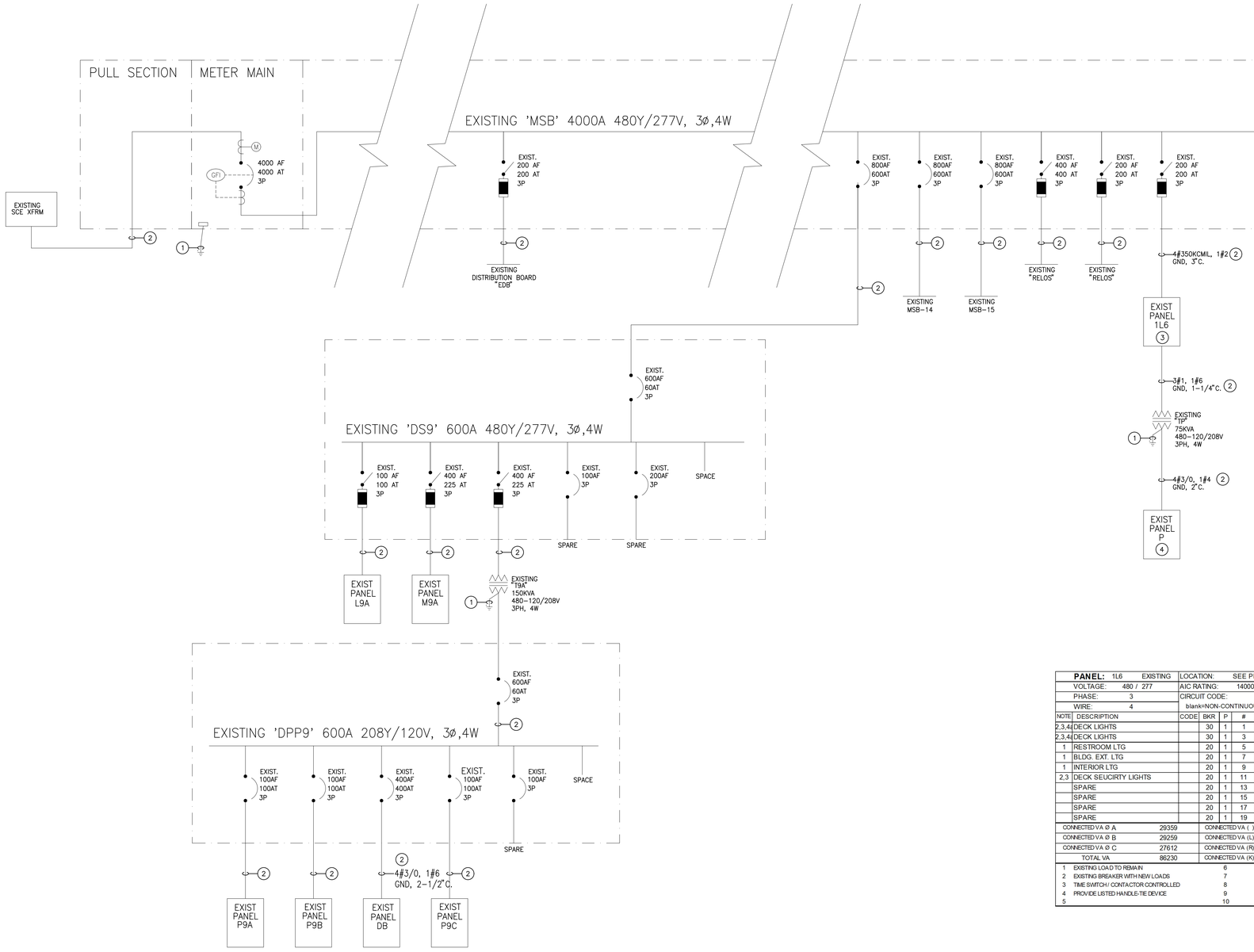
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B. ALL WORK SHOWN LIGHT IS EXISTING, ALL WORK SHOWN DARK IS NEW UNLESS NOTED OTHERWISE.

KEY NOTES

1. EXISTING GROUND TO REMAIN.
2. EXISTING FEEDER TO REMAIN.
3. PANEL IN SCOPE OF WORK WITH REVISED LOADS.
4. EXISTING PANEL WITH NEW LOADS ADDED.



LOAD SUMMARY

EXISTING SWITCHBOARD MSB

EXISTING MSB LOADS (AS-BUILT)	=	1953.00 kVA
EXISTING PANEL "1L6"	=	86.23 kVA
TOTAL LOAD		2039.23 kVA
2039.23 kVA AT 480Y/277V, 3PHASE, 4WIRE		2452.81 AMPS

PANEL: 1L6 EXISTING — LOCATION: SEE PLANS — MAIN: 200A/3P — BUS: 200A NEMA 1
VOLTAGE: 480 / 277 — AIC RATING: 14000 — FEED: TOP — MTG: SURFACE
PHASE: 3 — CIRCUIT CODE:
WIRE: 4 — blank=NON-CONTINUOUS, N=NON-COINCIDENTAL, L=LONG CONTINUOUS, R=RECEPT (NEC ART. 220-44), K=KITCHEN

NOTE	DESCRIPTION	CODE	BKR	P	#	VA	PHASE	VA	#	P	BKR	CODE	DESCRIPTION	NOTE
2,3,4	DECK LIGHTS		30	1	1	1059	A	11000	2	3	60		CIRCUITLATION PU,P	1
2,3,4	DECK LIGHTS		30	1	3	1059	B	11000	4				-	
1	RESTROOM LTG		20	1	5	600	C	11000	6				-	
1	BLDG. EXT. LTG		20	1	7	800	A	16500	8	3	90		TRANSFORMER "TP"	1
1	INTERIOR LTG		20	1	9	1200	B	16000	10				-	
2,3	DECK SEUCIRTY LIGHTS		20	1	11	312	C	15700	12				-	
	SPARE		20	1	13		A		14	1	20		SPARE	
	SPARE		20	1	15		B		16	1	20		SPARE	
	SPARE		20	1	17		C		18	1	20		SPARE	
	SPARE		20	1	19		A		20	1	20		SPARE	

CONNECTED VA Ø A	29359	CONNECTED VA ( )	86230	PANEL CONN. AMPS WITH LCL	103.72	PANEL DEMAND KVA WITH LCL	86.23
CONNECTED VA Ø B	29259	CONNECTED VA (L)	0	CONNECTED VA WITH LCL (L)	0	PANEL DEMAND AMPS WITH LCL	103.72
CONNECTED VA Ø C	27612	CONNECTED VA (R)	0	DEMAND VA (R)	0	PANEL CONNECTED AMPS	103.72
TOTAL VA	86230	CONNECTED VA (K)	0	DEMAND VA (K)	0	DEMAND HIGH Ø AMPS WITH LCL	105.94

1 EXISTING LOAD TO REMAIN
2 EXISTING BREAKER WITH NEW LOADS
3 TIME SWITCH / CONTACTOR CONTROLLED
4 PROVIDE LISTED HANDLE-TIE DEVICE
5
6
7
8
9
10
SPECIAL NOTES:

PANEL: P EXISTING — LOCATION: SEE PLANS — MAIN: 200A/3P — BUS: 200A NEMA 1
VOLTAGE: 280 / 120 — AIC RATING: 10000 — FEED: TOP — MTG: SURFACE
PHASE: 3 — CIRCUIT CODE:
WIRE: 4 — blank=NON-CONTINUOUS, N=NON-COINCIDENTAL, L=LONG CONTINUOUS, R=RECEPT (NEC ART. 220-44), K=KITCHEN

NOTE	DESCRIPTION	CODE	BKR	P	#	VA	PHASE	VA	#	P	BKR	CODE	DESCRIPTION	NOTE
1	POOL LIGHTS		20	1	1	1000	A	800	2	1	20		DECK REC	1
1	POOL LIGHTS		20	1	3	1000	B	800	4	1	20		DECK REC	1
1	POOL LIGHTS		20	1	5	1000	C	1200	6	2	30		DECK 30A REC	1
1	POOL LIGHTS		20	1	7	1000	A	1200	8				-	1
1	POOL LIGHTS		20	1	9	1000	B	1500	10	1	20		PAGING SYSTEM	1
1	POOL LIGHTS		20	1	11	1000	C	600	12	1	20		LCP	1
1	POOL LIGHTS		20	1	13	1000	A	2400	14	1	20		HAND DRYER	1
1	POOL LIGHTS		20	1	15	1000	B	2400	16	1	20		HAND DRYER	1
1	POOL LIGHTS		20	1	17	1000	C	2400	18	1	20		HAND DRYER	1
1	EXHAUST FAN		20	1	19	900	A	2400	20	1	20		HAND DRYER	1
1	EXHAUST FAN		20	1	21	900	B	1600	22	1	20		REC	1
1	AC-1		40	2	23	2400	C	1600	24	1	20		REC	1
	-				25	2400	A	400	26	1	20		REC	1
1	AC-2		40	2	27	2400	B	1200	28	1	20		EQUIP CONTROLLERS	1
	-				29	2400	C	1200	30	1	20		EQUIP CONTROLLERS	1
1	WATER HEATER		30	2	31	1800	A	1200	32	1	20		REC	1
	-				33	1800	B	400	34	1	20		COMM CABINET	1
1	IRRIGATION CONTROLLER		20	1	35	400	C	500	36	1	20		POOL LCP	
	SPARE		20	1	37		A		38	1	20		SPARE	
	SPARE		20	1	39		B		40	1	20		SPARE	
	SPARE		20	1	41		C		42	1	20		SPARE	

CONNECTED VA Ø A	16500	CONNECTED VA ( )	48200	PANEL CONN. AMPS WITH LCL	99.39	PANEL DEMAND KVA WITH LCL	48.20
CONNECTED VA Ø B	16000	CONNECTED VA (L)	0	CONNECTED VA WITH LCL (L)	0	PANEL DEMAND AMPS WITH LCL	99.39
CONNECTED VA Ø C	15700	CONNECTED VA (R)	0	DEMAND VA (R)	0	PANEL CONNECTED AMPS	99.39
TOTAL VA	48200	CONNECTED VA (K)	0	DEMAND VA (K)	0	DEMAND HIGH Ø AMPS WITH LCL	102.07

1 EXISTING LOAD
2 EXISTING LOAD WITH NEW LOAD ADDED
3
4
5
6
7
8
9
10
SPECIAL NOTES:

1 SINGLE LINE DIAGRAM

NO SCALE

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER TIMOTHY A. BRYAN LIC. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA DATE SIGNED: __/__/2024

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NO.	REMARKS	DATE

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- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN

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MURRIETA, CA 92562

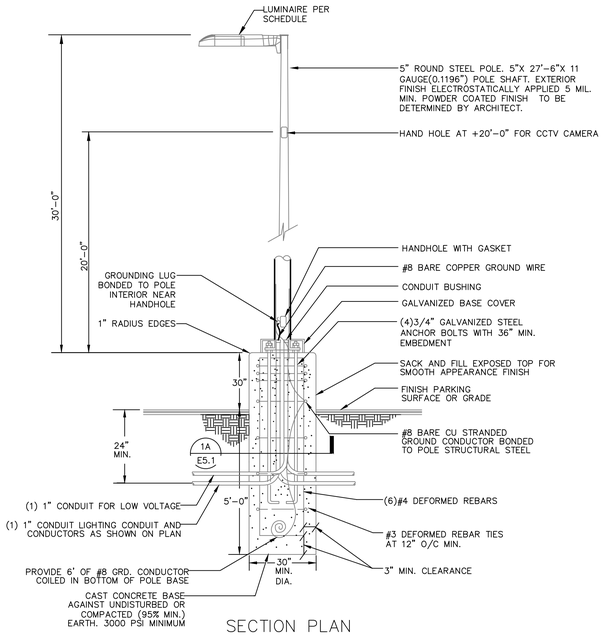
PROGRESS SET 01/19/2024

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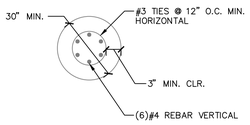
SINGLE LINE DIAGRAM

Date 01/19/2024
Project Number 23071
Application Number 04-123133
Drawing Number E4.1
Drawn SK
Checked TPT

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SECTION PLAN



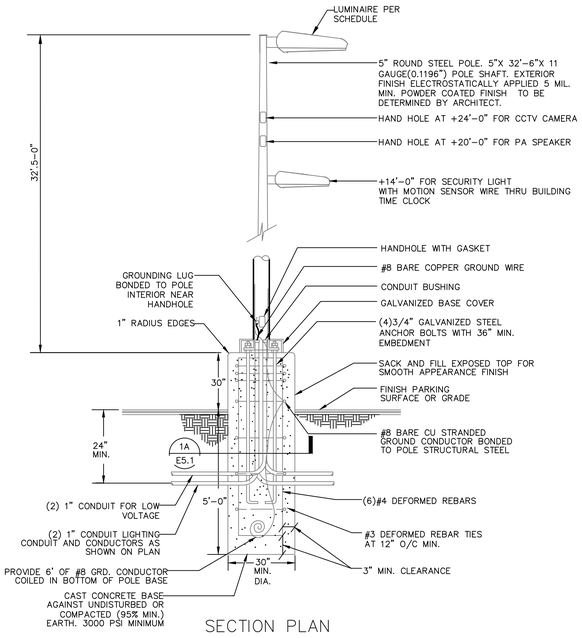
BASE PLAN

FOOTING BASE PLAN	1A
	NTS

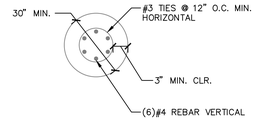
NOTE: POLE BASE DIMENSIONS AND ANCHORING HARDWARE SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO INSTALLATION.

STREET LIGHT POLE

SCALE NONE 2



SECTION PLAN



BASE PLAN

FOOTING BASE PLAN	1A
	NTS

NOTE: POLE BASE DIMENSIONS AND ANCHORING HARDWARE SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO INSTALLATION.

POOL POLE LIGHT FIXTURE

SCALE NONE 1

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER TERRENCE A. BURTON RE 21809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA
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PROGRESS SET 01/19/2024

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ELECTRICAL DETAILS

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