

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

6715 GLORIA DR
SACRAMENTO, CA 95831

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122170 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 05/09/2024

LIONAKIS

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CONSULTANT

Date: 7/1/2024
APPROVED
Sacramento County
Environmental Health Division
By: Manroop Shergill

Sacramento County
Environmental Health Plan Review
Compliance with review notes on pages:
A-511 and SP-4.2

are a condition of approval.

ANY DEVIATION FROM
THESE APPROVED PLANS
MUST BE REVIEWED AND
APPROVED BY ENV. HEALTH

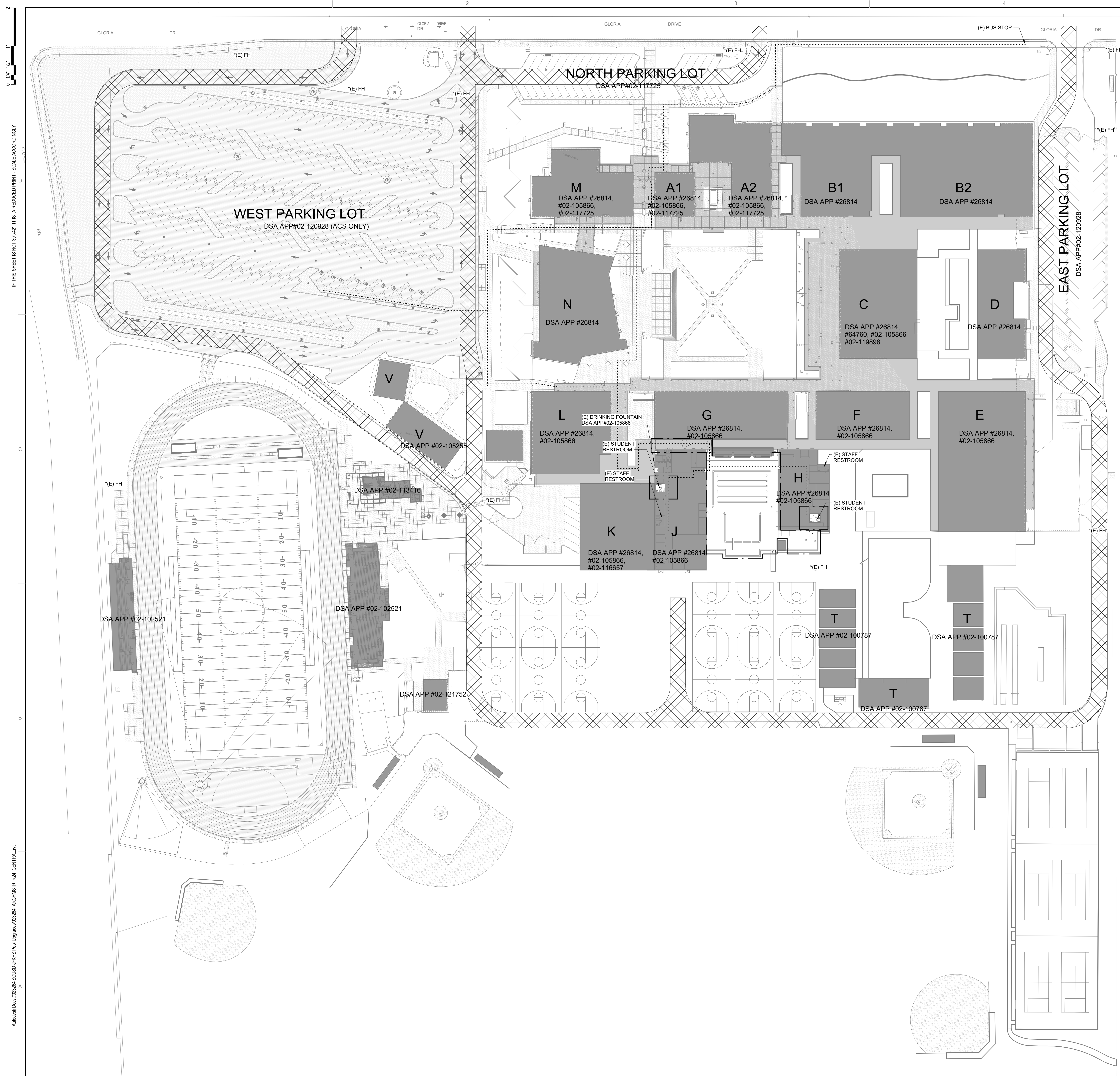
JOHN F KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADE

DSA APPROVED SET APRIL 30, 2024

| ARCHITECTURAL SYMBOLS LEGEND | LIST OF ARCHITECTURAL ABBREVIATIONS | SHEET INDEX | GENERAL NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | <table border="0"> <tr> <td>SEE UNITED STATES NATIONAL CAD STANDARD FOR ANY ABBREVIATIONS NOT LISTED BELOW.</td> <td>DHM DETENTION HOLLOW METAL</td> <td>MATL MATERIAL</td> <td>STD STANDARD</td> </tr> <tr> <td>& DIA DIAMETER</td> <td>MAX MAXIMUM</td> <td>MECH MECHANICAL</td> <td>STL STEEL</td> </tr> <tr> <td>AND DS DOWNSPOUT</td> <td>DSP DRY STANDPIPE</td> <td>MEMB MEMBRANE</td> <td>STOR STORAGE</td> </tr> <tr> <td>@ AT EXISTING</td> <td>DWR DRAWER</td> <td>MFR MANUFACTURER</td> <td>STRUC STRUCTURAL</td> </tr> <tr> <td>(E) EXISTING</td> <td>EA EACH</td> <td>MIN MINIMUM</td> <td>SUSP CLG SUSPENDED CEILING</td> </tr> <tr> <td>FOOT, FEET (INCHES)</td> <td>EGSB EXTERIOR GYPSUM SHEATHING BOARD</td> <td>MISC MISCELLANEOUS</td> <td>SHEET VINYL SHEET VINYL</td> </tr> <tr> <td># NUMBER</td> <td>EIFS EXTERIOR INSULATION AND FINISH SYSTEM</td> <td>MO MASONRY OPENING</td> <td>SYMM SYMMETRICAL</td> </tr> <tr> <td>ALUM ALUMINUM</td> <td>EJ EXPANSION JOINT</td> <td>MR MOISTURE RESISTANT</td> <td>SYS SYSTEM</td> </tr> <tr> <td>ARCH ARCHITECTURAL</td> <td>ELEV ELEVATION</td> <td>MTD MOUNTED</td> <td>T TREAD</td> </tr> <tr> <td>A/C UNIT AIR CONDITIONING UNIT</td> <td>ELEC ELECTRIC / ELECTRICAL</td> <td>MTL METAL</td> <td>TEL TELEPHONE</td> </tr> <tr> <td>ARCH ARCHITECT / ENGINEER</td> <td>ELEV ELEVATOR</td> <td>MULL MULLION</td> <td>THK THICKNESS</td> </tr> <tr> <td>AB ANCHOR BOLT</td> <td>EMER EMERGENCY</td> <td>NIC NOT IN CONTRACT</td> <td>TMH TOP OF MANHOLE</td> </tr> <tr> <td>AC ASPHALTIC CONCRETE</td> <td>ENCL ENCLOSURE</td> <td>NO NUMBER</td> <td>TOP OF</td> </tr> <tr> <td>ACC ACCESSIBLE</td> <td>EQUAL ELECTRICAL PANEL BOARD</td> <td>NOM NOMINAL</td> <td>TOC TOP OF CURB</td> </tr> <tr> <td>ACS DR ACCESS DOOR</td> <td>EQUIP EQUIPMENT</td> <td>NTS NOT TO SCALE</td> <td>TOF TOP OF FRAME</td> </tr> <tr> <td>ACS PNL ACCESS PANEL</td> <td>EW EACH WAY</td> <td>O/ OVER</td> <td>TOJ TOP OF JOIST</td> </tr> <tr> <td>ACST ACOUSTIC</td> <td>EWG ELECTRIC WATER COOLER</td> <td>OC ON CENTER</td> <td>TOM TOP OF MASONRY</td> </tr> <tr> <td>AD AREA DRAIN</td> <td>EXH EXHAUST</td> <td>OD OUTSIDE DIAMETER</td> <td>TOPO TOPOGRAPHY</td> </tr> <tr> <td>ADC AUTOMATIC DOOR CLOSER</td> <td>EXST EXISTING</td> <td>OFICI OWNER FURNISHED / CONTRACTOR INSTALLED</td> <td>TOS TOP OF STEEL</td> </tr> <tr> <td>ADO AUTOMATIC DOOR OPERATOR</td> <td>EXP EXPANSION</td> <td>OFF OFFICE</td> <td>TOW TOP OF WALL</td> </tr> <tr> <td>ADDL ADDITIONAL</td> <td>EXT EXTERIOR</td> <td>OGL OBLIQUE GLASS</td> <td>TV TELEVISION</td> </tr> <tr> <td>ADJ SHV ADJUSTABLE SHELVING</td> <td>EXP EXPANSION</td> <td>OPH OPPOSITE HAND</td> <td>TYP TYPICAL</td> </tr> <tr> <td>AFF ABOVE FINISHED FLOOR</td> <td>EXTE EXTERIOR</td> <td>OPNG OPENING</td> <td>UC UNDER COUNTER/CABINET</td> </tr> <tr> <td>AGGR AGGREGATE</td> <td>FA FIRE ALARM</td> <td>OPP OPPOSITE</td> <td>UNO UNLESS NOTED OTHERWISE</td> </tr> <tr> <td>AHU AIR HANDLING UNIT</td> <td>FLAT BAR FLAT BAR</td> <td>PAF POWER ACTUATED FASTENER</td> <td>UNO 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PAINT</td> <td>WC WATER CLOSET</td> </tr> <tr> <td>BW BOTH WAYS</td> <td>FOM FACE OF MASONRY</td> <td>PTN PARTITION</td> <td>WD WOOD</td> </tr> <tr> <td>C CHANNEL</td> <td>FOS FACE OF STUD</td> <td>PV PHOTOVOLTAIC</td> <td>WH WATER HEATER</td> </tr> <tr> <td>CAB CABINET</td> <td>FPW FACE OF WALL</td> <td>Q QUARRY TILE</td> <td>WO WHERE OCCURS</td> </tr> <tr> <td>CB CATCH BASIN</td> <td>FRP FIREPROOF REINFORCING STEEL BAR</td> <td>R RADIUS, RISER</td> <td>WP WORKING POINT</td> </tr> <tr> <td>CBC CALIFORNIA BUILDING CODE</td> <td>REF REFERENCE</td> <td>RD ROOF DRAIN</td> <td>WPM WATERPROOF MEMBRANE</td> </tr> <tr> <td>CEM CEMENT</td> <td>REF REFERENCE</td> <td>REBAR REINFORCING STEEL BAR</td> <td>WSCOT WAINSCOT</td> </tr> <tr> <td>CEM PLAS CEM PLASTER</td> <td>REF REFERENCE</td> <td>REF REFERENCE</td> <td>WTR WATER</td> </tr> <tr> <td>CFLG COUNTERFLASHING</td> <td>FT FEET / FOOT</td> <td>REF REINFORCE / REINFORCING</td> <td>WWR WELDED WIRE REINFORCEMENT</td> </tr> <tr> <td>CFMF COLD-FORMED METAL FRAMING</td> <td>FTG FOOTING</td> <td>REGD REQUIRED</td> <td></td> </tr> <tr> <td>CG CORNER GUARD</td> <td>FURG FURRING</td> <td>RESIL RESILIENT</td> <td></td> </tr> <tr> <td>CI CAST IRON</td> <td>FUT FUTURE</td> <td>RM ROOM</td> <td></td> </tr> <tr> <td>CJ CONSTRUCTION JOINT / CONTROL JOINT</td> <td>GA GAGE</td> <td>ROU ROUGH OPENING</td> <td></td> </tr> <tr> <td>CL CENTER LINE</td> <td>GALV GALVANIZED</td> <td>RWD REDWOOD</td> <td></td> </tr> <tr> <td>CLG CEILING</td> <td>GALV GALVANIZED IRON</td> <td>RWL RAIN WATER LEADER</td> <td></td> </tr> <tr> <td>CLR CLEAR</td> <td>GLU LAM GLUED LAMINATED WOOD</td> <td>SAD SEE ARCHITECTURAL DRAWINGS</td> <td></td> </tr> <tr> <td>CMU CONCRETE MASONRY UNIT</td> <td>GYP GYPSUM</td> <td>SATC SUSPENDED ACOUSTICAL TILE</td> <td></td> </tr> <tr> <td>CNTR COUNTER</td> <td>HB HOSE BIB</td> <td>SB SPLASH BLOCK</td> <td></td> </tr> <tr> <td>CO CLEANOUT</td> <td>HC HOLLOW CORE</td> <td>SC SOLID CORE</td> <td></td> </tr> <tr> <td>COL 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SANITARY SEWER, SERVICE SINK</td> <td></td> </tr> <tr> <td>DBL DOUBLE</td> <td>LAB LABORATORY</td> <td>SST STAINLESS STEEL</td> <td></td> </tr> <tr> <td>DEPT DEPARTMENT</td> <td>LAV LAVATORY</td> <td></td> <td></td> </tr> <tr> <td>DET DETAIL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DF DRINKING FOUNTAIN</td> <td></td> <td></td> <td></td> </tr> </table> | SEE UNITED STATES NATIONAL CAD STANDARD FOR ANY ABBREVIATIONS NOT LISTED BELOW. | DHM DETENTION HOLLOW METAL | MATL MATERIAL | STD STANDARD | & DIA DIAMETER | MAX MAXIMUM | MECH MECHANICAL | STL STEEL | AND DS DOWNSPOUT | DSP DRY STANDPIPE | MEMB MEMBRANE | STOR STORAGE | @ AT EXISTING | DWR DRAWER | MFR MANUFACTURER | STRUC STRUCTURAL | (E) EXISTING | EA EACH | MIN MINIMUM | SUSP CLG SUSPENDED CEILING | FOOT, FEET (INCHES) | EGSB EXTERIOR GYPSUM SHEATHING BOARD | MISC MISCELLANEOUS | SHEET VINYL SHEET VINYL | # NUMBER | EIFS EXTERIOR INSULATION AND FINISH SYSTEM | MO MASONRY OPENING | SYMM SYMMETRICAL | ALUM ALUMINUM | EJ EXPANSION JOINT | MR MOISTURE RESISTANT | SYS SYSTEM | ARCH ARCHITECTURAL | ELEV ELEVATION | MTD MOUNTED | T TREAD | A/C UNIT AIR CONDITIONING UNIT | ELEC ELECTRIC / ELECTRICAL | MTL METAL | TEL TELEPHONE | ARCH ARCHITECT / ENGINEER | ELEV ELEVATOR | MULL MULLION | THK THICKNESS | AB ANCHOR BOLT | EMER EMERGENCY | NIC NOT IN CONTRACT | TMH TOP OF MANHOLE | AC ASPHALTIC CONCRETE | ENCL ENCLOSURE | NO NUMBER | TOP OF | ACC ACCESSIBLE | EQUAL ELECTRICAL PANEL BOARD | NOM NOMINAL | TOC TOP OF CURB | ACS DR ACCESS DOOR | EQUIP EQUIPMENT | NTS NOT TO SCALE | TOF TOP OF FRAME | ACS PNL ACCESS PANEL | EW EACH WAY | O/ OVER | TOJ TOP OF JOIST | ACST ACOUSTIC | EWG ELECTRIC WATER COOLER | OC ON CENTER | TOM TOP OF MASONRY | AD AREA DRAIN | EXH EXHAUST | OD OUTSIDE DIAMETER | TOPO TOPOGRAPHY | ADC AUTOMATIC DOOR CLOSER | EXST EXISTING | OFICI OWNER FURNISHED / CONTRACTOR INSTALLED | TOS TOP OF STEEL | ADO AUTOMATIC DOOR OPERATOR | EXP EXPANSION | OFF OFFICE | TOW TOP OF WALL | ADDL ADDITIONAL | EXT EXTERIOR | OGL OBLIQUE GLASS | TV TELEVISION | ADJ SHV ADJUSTABLE SHELVING | EXP EXPANSION | OPH OPPOSITE HAND | TYP TYPICAL | AFF ABOVE FINISHED FLOOR | EXTE EXTERIOR | OPNG OPENING | UC UNDER COUNTER/CABINET | AGGR AGGREGATE | FA FIRE ALARM | OPP OPPOSITE | UNO UNLESS NOTED OTHERWISE | AHU AIR HANDLING UNIT | FLAT BAR FLAT BAR | PAF POWER ACTUATED FASTENER | UNO UNLESS OTHERWISE NOTED | ASSEMBLY ASSEMBLY | FD FLOOR DRAIN | PLAM PLASTIC LAMINATE | UR URINAL | BD BOARD | FDN FOUNDATION | PLB PLUMB | VCT VINYL COMPOSITION TILE | BKG BACKING | FE FIRE EXTINGUISHER | PLBG PLUMBING | VERT VERTICAL | BLDG BUILDING | FEC FIRE EXTINGUISHER CABINET | PLYWD PLYWOOD | VEST VESTIBULE | BM BEAM | FIN FINISH | PNL PANEL | VIF VERIFY IN FIELD | BM BENCHMARK | FLG FLOORING | PROP PROPERTY | VWC VINYL WALL COVERING | BTN BOTTOM | FLR FLOOR | PSF POUNDS PER SQUARE FOOT | W/ WITH | BTWN BETWEEN | FLR FACE OF CONCRETE/CURB | PSI POUNDS PER SQUARE INCH | W/O WITHOUT | BUR BUILT-UP ROOFING | FOC FACE 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DF DRINKING FOUNTAIN | | | | <table border="0"> <tr> <td>GENERAL</td> <td>G-001 COVER SHEET</td> <td>GA101 ACCESSIBILITY SITE PLAN</td> <td>GL111 LIFE SAFETY FLOOR PLAN - POOL</td> </tr> <tr> <td>CIVIL</td> <td>C101 CIVIL TITLE SHEET</td> <td>VF101 TOPOGRAPHIC SURVEY</td> <td>VF102 TOPOGRAPHIC SURVEY</td> </tr> <tr> <td>CD101 SURFACE DEMOLITION PLAN</td> <td>CS101 HORIZONTAL CONTROL PLAN</td> <td>CG101 GRADING PLAN</td> <td></td> </tr> <tr> <td>STRUCTURAL</td> <td>S-001 GENERAL NOTES</td> <td>S-011 TYPICAL NOTES</td> <td>S-012 TYPICAL NOTES</td> </tr> <tr> <td>S-111 PARTIAL FOUNDATION & CEILING FRAMING PLANS</td> <td>S-132 PARTIAL PLAN - ROOF FRAMING</td> <td>S-531 DETAILS - TYPICAL CONCRETE</td> <td>S-532 DETAILS - TYPICAL CONCRETE</td> </tr> <tr> <td>S-551 DETAILS - STRUCTURAL STEEL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ARCHITECTURAL</td> <td>AD111 DEMOLITION FLOOR PLAN - LEVEL 1</td> <td>A-111 FLOOR PLAN - LEVEL 1</td> <td>A-511 DECORATIVE METAL FENCE & GATE DETAILS</td> </tr> <tr> <td>A-531 PARTITION TYPES & SCHEDULE</td> <td>A-532 DETAILS</td> <td></td> <td></td> </tr> <tr> <td>PLUMBING</td> <td>P-001 PLUMBING NOTES, LEGEND & ABBREVIATIONS</td> <td>P-002 PLUMBING EQUIPMENT SCHEDULE</td> <td>P-101 PLUMBING SITE PLAN</td> </tr> <tr> <td>P-211 PLUMBING DEMO PLAN</td> <td>P-211 PLUMBING FLOOR PLAN</td> <td>P-411 ENLARGED PLUMBING DEMO & CONSTRUCTION PLAN</td> <td>P-501 PLUMBING DETAILS</td> </tr> <tr> <td>P-502 PLUMBING DETAILS</td> <td>P-701 TITLE 24 COMPLIANCE</td> <td></td> <td></td> </tr> <tr> <td>ELECTRICAL</td> <td>E001 ELECTRICAL SHEET INDEX, NOTES AND ABBREVIATIONS</td> <td>E002 ELECTRICAL SYMBOL LEGEND</td> <td>E101 ELECTRICAL SITE PLAN</td> </tr> <tr> <td>E201 POWER FLOOR PLAN</td> <td>E301 DEMO POWER FLOOR ENLARGED PLAN</td> <td>E601 POWER FLOOR ENLARGED PLAN</td> <td>E601 ELECTRICAL SCHEDULES AND DETAILS</td> </tr> <tr> <td>POOL</td> <td>SP-111 SWIMMING POOL / DIVING POOL DEMOLITION PLAN</td> <td>SP-112 SWIMMING POOL / DIVING POOL DECK PLAN</td> <td>SP-113 SWIMMING POOL LAYOUT PLAN</td> </tr> <tr> <td>SP-114 DIVING POOL LAYOUT PLAN</td> <td>SP-115 SWIMMING POOL / DIVING POOL PIPING PLAN</td> <td>SP-116 SWIMMING POOL / DIVING POOL UNDERWATER LIGHT PLAN</td> <td>SP-311 SWIMMING POOL SECTIONS</td> </tr> <tr> <td>SP-411 MECHANICAL ROOM DEMOLITION PLAN</td> <td>SP-412 MECHANICAL ROOM LAYOUT PLAN</td> <td>SP-501 DETAILS</td> <td>SP-502 DETAILS</td> </tr> <tr> <td>SP-503 DETAILS</td> <td>SP-504 DETAILS</td> <td>SP-505 DETAILS</td> <td>SP-506 DETAILS</td> </tr> <tr> <td>SP-507 DETAILS</td> <td>SP-508 DETAILS</td> <td>SP-509 DETAILS</td> <td></td> </tr> </table> | GENERAL | G-001 COVER SHEET | GA101 ACCESSIBILITY SITE PLAN | GL111 LIFE SAFETY FLOOR PLAN - POOL | CIVIL | C101 CIVIL TITLE SHEET | VF101 TOPOGRAPHIC SURVEY | VF102 TOPOGRAPHIC SURVEY | CD101 SURFACE DEMOLITION PLAN | CS101 HORIZONTAL CONTROL PLAN | CG101 GRADING PLAN | | STRUCTURAL | S-001 GENERAL NOTES | S-011 TYPICAL NOTES | S-012 TYPICAL NOTES | S-111 PARTIAL FOUNDATION & CEILING FRAMING PLANS | S-132 PARTIAL PLAN - ROOF FRAMING | S-531 DETAILS - TYPICAL CONCRETE | S-532 DETAILS - TYPICAL CONCRETE | S-551 DETAILS - STRUCTURAL STEEL | | | | ARCHITECTURAL | AD111 DEMOLITION FLOOR PLAN - LEVEL 1 | A-111 FLOOR PLAN - LEVEL 1 | A-511 DECORATIVE METAL FENCE & GATE DETAILS | A-531 PARTITION TYPES & SCHEDULE | A-532 DETAILS | | | PLUMBING | P-001 PLUMBING NOTES, LEGEND & ABBREVIATIONS | P-002 PLUMBING EQUIPMENT SCHEDULE | P-101 PLUMBING SITE PLAN | P-211 PLUMBING DEMO PLAN | P-211 PLUMBING FLOOR PLAN | P-411 ENLARGED PLUMBING DEMO & CONSTRUCTION PLAN | P-501 PLUMBING DETAILS | P-502 PLUMBING DETAILS | P-701 TITLE 24 COMPLIANCE | | | ELECTRICAL | E001 ELECTRICAL SHEET INDEX, NOTES AND ABBREVIATIONS | E002 ELECTRICAL SYMBOL LEGEND | E101 ELECTRICAL SITE PLAN | E201 POWER FLOOR PLAN | E301 DEMO POWER FLOOR ENLARGED PLAN | E601 POWER FLOOR ENLARGED PLAN | E601 ELECTRICAL SCHEDULES AND DETAILS | POOL | SP-111 SWIMMING POOL / DIVING POOL DEMOLITION PLAN | SP-112 SWIMMING POOL / DIVING POOL DECK PLAN | SP-113 SWIMMING POOL LAYOUT PLAN | SP-114 DIVING POOL LAYOUT PLAN | SP-115 SWIMMING POOL / DIVING POOL PIPING PLAN | SP-116 SWIMMING POOL / DIVING POOL UNDERWATER LIGHT PLAN | SP-311 SWIMMING POOL SECTIONS | SP-411 MECHANICAL ROOM DEMOLITION PLAN | SP-412 MECHANICAL ROOM LAYOUT PLAN | SP-501 DETAILS | SP-502 DETAILS | SP-503 DETAILS | SP-504 DETAILS | SP-505 DETAILS | SP-506 DETAILS | SP-507 DETAILS | SP-508 DETAILS | SP-509 DETAILS | | <p>1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES ETC. PRIOR TO CONSTRUCTION.</p> <p>2. CONTRACTOR SHALL NOTIFY ARCHITECT WHERE CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.</p> <p>3. WHERE REQUIRED, ROOM OCCUPANCY CAPACITIES SHALL BE POSTED WITH THE REQUIREMENTS OF CALIFORNIA STATE FIRE MARSHAL & CBC 1004.9.</p> <p>5. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING BUT NOT LIMITED TO: TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS TITLE 24 CCR, PART 1 - 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE TITLE 24 CCR, PART 2 - 2022 CALIFORNIA BUILDING CODE, VOL 1 & 2 (CBC) TITLE 24 CCR, PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC) TITLE 24 CCR, PART 4 - 2022 CALIFORNIA MECHANICAL CODE (CMC) TITLE 24 CCR, PART 5 - 2022 CALIFORNIA PLUMBING CODE (CPC) TITLE 24 CCR, PART 6 - 2022 CALIFORNIA ENERGY CODE TITLE 24 CCR, PART 9 - 2022 CALIFORNIA FIRE CODE (CFC) TITLE 24 CCR, PART 11 - 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE TITLE 24 CCR, PART 12 - 2022 CALIFORNIA REFERENCED STANDARDS 2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED) 2019 NFPA 14, INSTALLATION OF SPRINKLER AND HOSE SYSTEMS 2021 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS 2021 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS 2022 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2019 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION 2019 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES 2013 NFPA 25, INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CA AMENDED) 2022 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED) 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN</p> <p>6. CHANGES TO THE APPROVED DRAWINGS OR SPECIFICATIONS SHALL BE MADE BY APPENDIX OR CONSTRUCTION CHANGE DOCUMENTS (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY THE SECTION 4-338 OF CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 1, (CAC 4-338) SUBSTITUTIONS OF PRODUCTS OR PROCESSES WHICH AFFECT STRUCTURAL SAFETY, FIRE AND LIFE-SAFETY, OR ACCESSIBILITY SHALL BE SUBMITTED AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT TO DSA FOR REVIEW AND APPROVAL.</p> <p>7. A CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT 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.</p> <p>8. CONSTRUCTION AND DEMOLITION SHALL CONFORM TO 2022 CFC, CHAPTER 33.</p> <p>9. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</p> <p>10. 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)</p> <p>11. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</p> <p>12. LIONAKIS WILL NOT PROVIDE ANY INFORMATION CONCERNING HAZARDOUS MATERIAL. CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR HAZARDOUS MATERIAL SCOPE AND REQUIREMENTS.</p> <p>SCOPE OF PROJECT</p> <p>SCOPE OF WORK CONSISTS OF THE FOLLOWING: - ALTERATION TO EXISTING SWIMMING AND DIVING POOLS INCLUDING POOL DECK REPLACEMENT, NEW ADA ACCESS LIFTS, AND PATH OF TRAVEL AS REQUIRED - ALTERATION TO BUILDING UNIT H FOR WORK IN MECHANICAL ROOM AND RESTROOM, INCLUDING REPLACEMENT OF POOL EQUIPMENT IN MECHANICAL ROOM. - ALTERATION TO BUILDING UNIT J FOR WORK IN EXISTING RESTROOM.</p> <p>DEFERRED SUBMITTALS</p> <p>NONE.</p> <p>SHEET IDENTIFICATION LEGEND</p> <table border="0"> <tr> <td>DISCIPLINE DESIGNATORS - LEVEL 1</td> <td>SHEET TYPE DESIGNATORS</td> </tr> <tr> <td>G GENERAL</td> <td>0 - GENERAL</td> </tr> <tr> <td>H HAZARDOUS MATERIALS</td> <td>1 - PLANS</td> </tr> <tr> <td>V SURVEY/MAPPING</td> <td>2 - ELEVATIONS</td> </tr> <tr> <td>B GEOTECHNICAL</td> <td>3 - SECTIONS</td> </tr> <tr> <td>C CIVIL</td> <td>4 - LARGE SCALE VIEWS</td> </tr> <tr> <td>L LANDSCAPE</td> <td>5 - DETAILS</td> </tr> <tr> <td>S STRUCTURAL</td> <td>6 - SCHEDULES & DIAGRAMS</td> </tr> <tr> <td>A ARCHITECTURAL</td> <td>7 - USER DEFINED</td> </tr> <tr> <td>I INTERIORS</td> <td>8 - USER DEFINED</td> </tr> <tr> <td>O EQUIPMENT</td> <td>9 - 3D REPRESENTATIONS</td> </tr> <tr> <td>P FIRE PROTECTION</td> <td></td> </tr> <tr> <td>PL PLUMBING</td> <td></td> </tr> <tr> <td>D PROCESS</td> <td></td> </tr> <tr> <td>M MECHANICAL</td> <td></td> </tr> <tr> <td>E ELECTRICAL</td> <td></td> </tr> <tr> <td>W DISTRIBUTED ENERGY</td> <td></td> </tr> <tr> <td>T TELECOMMUNICATIONS</td> <td></td> </tr> <tr> <td>R RESOURCE</td> <td></td> </tr> <tr> <td>X OTHER DISCIPLINES</td> <td></td> </tr> <tr> <td>Z CONTRACTOR/SHOP DRAWINGS</td> <td></td> </tr> <tr> <td>O OPERATIONS</td> <td></td> </tr> </table> <p>BUILDING IDENTIFIER - WHERE OCCURS DISCIPLINE DESIGNATOR - LEVEL 1 DISCIPLINE DESIGNATOR - LEVEL 2 REPLACE DASH WHERE OCCURS SHEET TYPE DESIGNATOR SHEET TYPE SUBSET DESIGNATOR LEVEL/SEQUENCE DESIGNATOR AREA IDENTIFIER - WHERE OCCURS UNIQUE PORTION IDENTIFIER - WHERE OCCURS</p> | DISCIPLINE DESIGNATORS - LEVEL 1 | SHEET TYPE DESIGNATORS | G GENERAL | 0 - GENERAL | H HAZARDOUS MATERIALS | 1 - PLANS | V SURVEY/MAPPING | 2 - ELEVATIONS | B GEOTECHNICAL | 3 - SECTIONS | C CIVIL | 4 - LARGE SCALE VIEWS | L LANDSCAPE | 5 - DETAILS | S STRUCTURAL | 6 - SCHEDULES & DIAGRAMS | A ARCHITECTURAL | 7 - USER DEFINED | I INTERIORS | 8 - USER DEFINED | O EQUIPMENT | 9 - 3D REPRESENTATIONS | P FIRE PROTECTION | | PL PLUMBING | | D PROCESS | | M MECHANICAL | | E ELECTRICAL | | W DISTRIBUTED ENERGY | | T TELECOMMUNICATIONS | | R RESOURCE | | X OTHER DISCIPLINES | | Z CONTRACTOR/SHOP DRAWINGS | | O OPERATIONS | |
| SEE UNITED STATES NATIONAL CAD STANDARD FOR ANY ABBREVIATIONS NOT LISTED BELOW. | DHM DETENTION HOLLOW METAL | MATL MATERIAL | STD STANDARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # NUMBER | EIFS EXTERIOR INSULATION AND FINISH SYSTEM | MO MASONRY OPENING | SYMM SYMMETRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CSK COUNTER SUNK | INT INTERIOR | SPEC SPECIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CTR CENTER | KIT KITCHEN | SS SANITARY SEWER, SERVICE SINK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| DET DETAIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DF DRINKING FOUNTAIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL | G-001 COVER SHEET | GA101 ACCESSIBILITY SITE PLAN | GL111 LIFE SAFETY FLOOR PLAN - POOL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| STRUCTURAL | S-001 GENERAL NOTES | S-011 TYPICAL NOTES | S-012 TYPICAL NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-111 PARTIAL FOUNDATION & CEILING FRAMING PLANS | S-132 PARTIAL PLAN - ROOF FRAMING | S-531 DETAILS - TYPICAL CONCRETE | S-532 DETAILS - TYPICAL CONCRETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-551 DETAILS - STRUCTURAL STEEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARCHITECTURAL | AD111 DEMOLITION FLOOR PLAN - LEVEL 1 | A-111 FLOOR PLAN - LEVEL 1 | A-511 DECORATIVE METAL FENCE & GATE DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A-531 PARTITION TYPES & SCHEDULE | A-532 DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLUMBING | P-001 PLUMBING NOTES, LEGEND & ABBREVIATIONS | P-002 PLUMBING EQUIPMENT SCHEDULE | P-101 PLUMBING SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P-211 PLUMBING DEMO PLAN | P-211 PLUMBING FLOOR PLAN | P-411 ENLARGED PLUMBING DEMO & CONSTRUCTION PLAN | P-501 PLUMBING DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P-502 PLUMBING DETAILS | P-701 TITLE 24 COMPLIANCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELECTRICAL | E001 ELECTRICAL SHEET INDEX, NOTES AND ABBREVIATIONS | E002 ELECTRICAL SYMBOL LEGEND | E101 ELECTRICAL SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E201 POWER FLOOR PLAN | E301 DEMO POWER FLOOR ENLARGED PLAN | E601 POWER FLOOR ENLARGED PLAN | E601 ELECTRICAL SCHEDULES AND DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POOL | SP-111 SWIMMING POOL / DIVING POOL DEMOLITION PLAN | SP-112 SWIMMING POOL / DIVING POOL DECK PLAN | SP-113 SWIMMING POOL LAYOUT PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SP-114 DIVING POOL LAYOUT PLAN | SP-115 SWIMMING POOL / DIVING POOL PIPING PLAN | SP-116 SWIMMING POOL / DIVING POOL UNDERWATER LIGHT PLAN | SP-311 SWIMMING POOL SECTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SP-411 MECHANICAL ROOM DEMOLITION PLAN | SP-412 MECHANICAL ROOM LAYOUT PLAN | SP-501 DETAILS | SP-502 DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SP-503 DETAILS | SP-504 DETAILS | SP-505 DETAILS | SP-506 DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SP-507 DETAILS | SP-508 DETAILS | SP-509 DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISCIPLINE DESIGNATORS - LEVEL 1 | SHEET TYPE DESIGNATORS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G GENERAL | 0 - GENERAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H HAZARDOUS MATERIALS | 1 - PLANS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V SURVEY/MAPPING | 2 - ELEVATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| C CIVIL | 4 - LARGE SCALE VIEWS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| S STRUCTURAL | 6 - SCHEDULES & DIAGRAMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A ARCHITECTURAL | 7 - USER DEFINED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I INTERIORS | 8 - USER DEFINED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O EQUIPMENT | 9 - 3D REPRESENTATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P FIRE PROTECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PL PLUMBING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D PROCESS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M MECHANICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W DISTRIBUTED ENERGY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T TELECOMMUNICATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R RESOURCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X OTHER DISCIPLINES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z CONTRACTOR/SHOP DRAWINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O OPERATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>LOCATION MAP</p> | <p>VICINITY MAP</p> | <p>GENERAL STATEMENT</p> <p>DSA APPLICATION NO. 02-122170 FILE NO. 34-H7</p> <p>THE CIVIL, ELECTRICAL, LANDSCAPE, AND OTHER LISTED DRAWINGS IN THE SHEET INDEX AND SPECIFICATIONS HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR THE DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND PROJECT SPECIFICATIONS PREPARED BY ME AND COORDINATION WITH MY PLANS AND SPECIFICATIONS IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.</p> <p>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)).</p> <p>I FIND THAT: <input checked="" type="checkbox"/> ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET <input type="checkbox"/> THIS DRAWING OR PAGE</p> <p><input type="checkbox"/> IS/ARE IN GENERAL CONFORMANCE WITH PROJECT PLANS AND <input type="checkbox"/> IS/ARE IN GENERAL CONFORMANCE WITH PROJECT PLANS AND SPECIFICATIONS</p> <p><input type="checkbox"/> HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS <input type="checkbox"/> HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS</p> <p>SIGNATURE 11/01/2023 DATE</p> <p>ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE ARCHITECT OR ENGINEER DELEGATED TO BE RESPONSIBLE FOR THIS PORTION OF THE WORK</p> <p>BRIAN BELL PRINTED NAME 01/31/2025 EXPIRATION DATE C28712 LICENSE NUMBER</p> | <p>PROJECT DIRECTORY</p> <p>OWNER SACRAMENTO CITY UNIFIED SCHOOL DISTRICT 5735 7TH AVENUE, SACRAMENTO, CA 95824 CONTACT: CHRIS RALSTON PHONE: 916.395.3970 EMAIL: CHRIS-RALSTON@SCUSD.EDU</p> <p>STRUCTURAL ENGINEER LIONAKIS 2025 19TH STREET SACRAMENTO, CA 95818 CONTACT: LUCAS JOLLY PHONE: 916.558.1900 EMAIL: LUCAS.JOLLY@LIONAKIS.COM</p> <p>CIVIL ENGINEER WARREN CONSULTING ENGINEERS, INC. 11020 SUN CENTER DR. RANCHO CORDOVA, CA 95670 CONTACT: SETH NISBET PHONE: (916) 985-1970 EMAIL: SETH@WCEINC.COM</p> <p>MECHANICAL ENGINEER CAPITAL ENGINEERING 11020 SUN CENTER DR. RANCHO CORDOVA, CA 95670 CONTACT: MATT BROOKS PHONE: 916.851.3500 EMAIL: MBROOKS@CAPITAL-ENGINEERING.COM</p> <p>POOL ENGINEER AQUATIC DESIGN GROUP 2226 FARADAY AVE CARLSBAD, CA 92008 CONTACT: MICHELLE GABLE PHONE: 760.438.8400 EMAIL: MGABLE@AQUATICDESIGNGROUP.COM</p> <p>ELECTRICAL ENGINEER LP CONSULTING ENGINEERING 1209 PLEASANT GROVE BLVD, ROSEVILLE, CA 95678 CONTACT: TOM SCHLEPP PHONE: (916) 771-0778 EMAIL: TSCHELEPP@PEENGINEERS.COM</p> | <p>SHEET IDENTIFICATION LEGEND</p> <p>DISCIPLINE DESIGNATORS - LEVEL 1</p> <p>SHEET TYPE DESIGNATORS</p> <p>0 - GENERAL 1 - PLANS 2 - ELEVATIONS 3 - SECTIONS 4 - LARGE SCALE VIEWS 5 - DETAILS 6 - SCHEDULES & DIAGRAMS 7 - USER DEFINED 8 - USER DEFINED 9 - 3D REPRESENTATIONS</p> <p>BUILDING IDENTIFIER - WHERE OCCURS DISCIPLINE DESIGNATOR - LEVEL 1 DISCIPLINE DESIGNATOR - LEVEL 2 REPLACE DASH WHERE OCCURS SHEET TYPE DESIGNATOR SHEET TYPE SUBSET DESIGNATOR LEVEL/SEQUENCE DESIGNATOR AREA IDENTIFIER - WHERE OCCURS UNIQUE PORTION IDENTIFIER - WHERE OCCURS</p> <p>COVER SHEET</p> <p>G-001</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

4/30/2024 9:35:36 AM Autodesk Docs: 020204.SOUSD_IPMIS Pool Upgrade/020204_IPMIS/STR. 024 CENTRAL.rvt

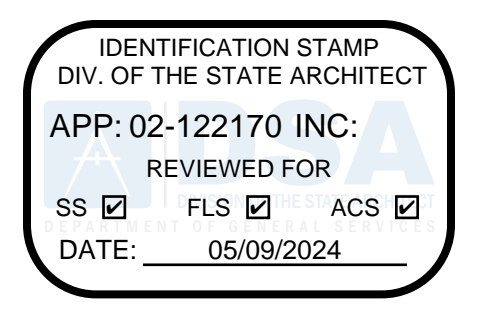


GENERAL NOTES

1. ACCESSIBLE ROUTE COMPONENTS INCLUDE BUT ARE NOT LIMITED TO
- AT LEAST 48" IN WIDTH OR AS APPROVED BY CODE
 - WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4"
 - WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE;
 - WITH A RUNNING SLOPE OF 1:20 OR LESS;
 - WITH RUNNING SLOPE OF CODE COMPLIANT RAMPS, NOT TO EXCEED 8.33% (1:12), (RAMPS COMPLY WITH 118-405)
 - WITH REQUIRED LANDINGS AND LEVEL AREAS WITH A SLOPE OF 1:48 OR LESS;
 - WITH A CROSS SLOPE OF 1:48 OR LESS;
 - WITH OPENINGS IN DRAINS AND GRATINGS NOT TO EXCEED 1/2" IN PREDOMINANT DIRECTION OF TRAVEL.
 - IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE; AND
 - IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE.
 - ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

LEGENDS

- B BOY'S RESTROOM
- G GIRLS RESTROOM
- U UNISEX RESTROOM
- SM MENS STAFF RESTROOM
- SW WOMENS STAFF RESTROOM
- RESTROOM LOCATION
- ACCESSIBLE RESTROOM
- ACCESSIBILITY PATH OF TRAVEL
- DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- LIMITS OF ARCHITECTURAL SCOPE OF WORK
- (E) COVERED WALKWAY
- (E) BLDG WITH NO SCOPE OF WORK
- (E) FIRE ACCESS LANE
- (E) FH (E) FIRE HYDRANT

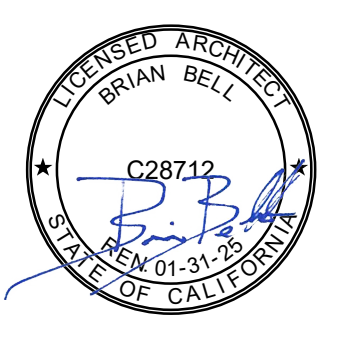


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CONSULTANT

SEAL



PROJECT
JOHN F KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADE

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

| ISSUED | MARK | DATE | DESCRIPTION |
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| | | | |

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TITLE
ACCESSIBILITY SITE PLAN

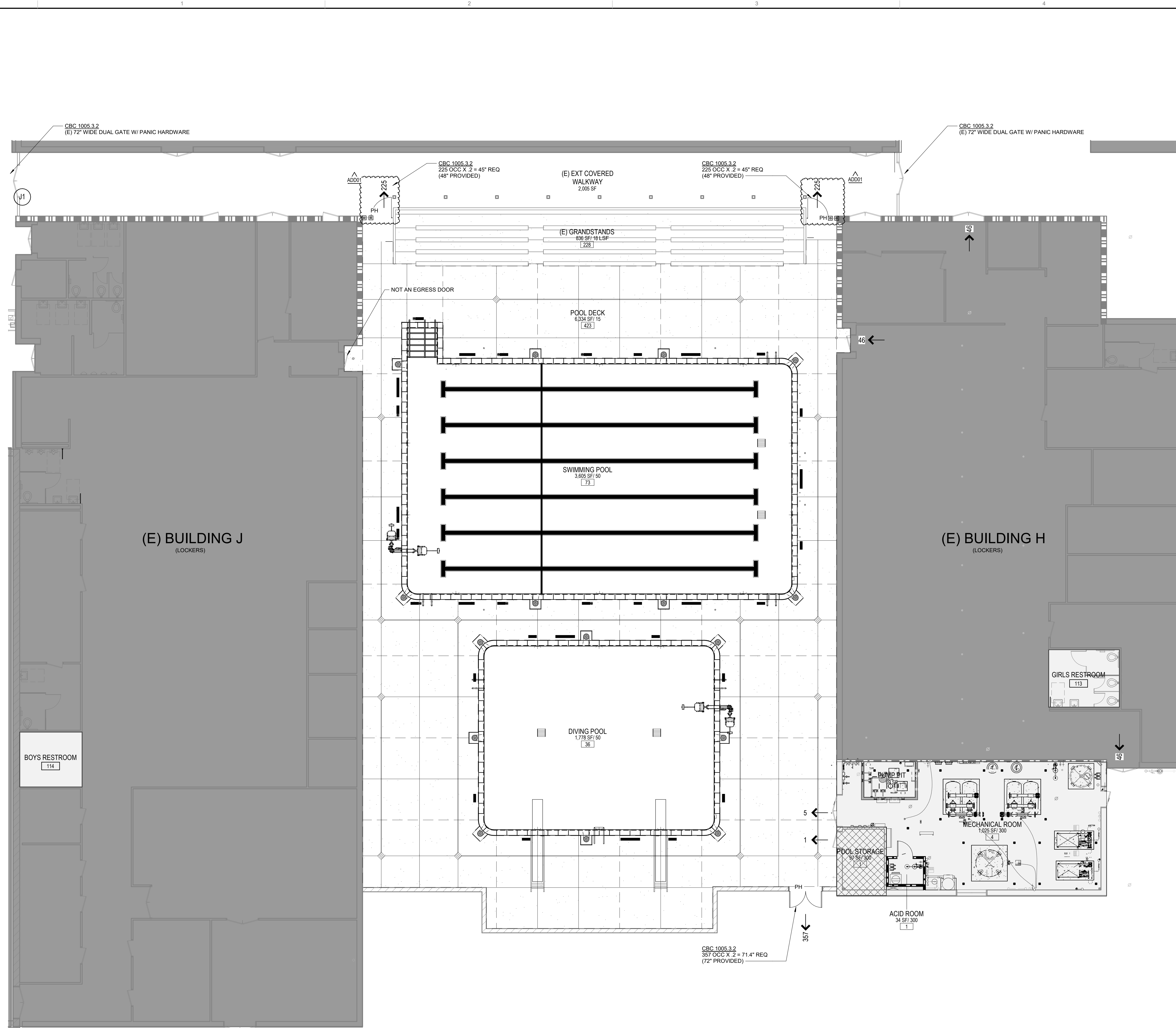
SHEET
GA101

0 1/4" = 1'

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

Autodesk Docs: 0223264-SDUSD_IPMIS Pool Upgrade/0223264_ARCH/MASTER_POOL_CENTRAL.rvt

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EXISTING POOL AREA ANALYSIS

- GOVERNING CODE: 2022 CALIFORNIA BUILDING CODE
- OCCUPANCY TYPE: (CBC CHAPTER 3) EXISTING GROUP E OCCUPANCY (BUILDING H & J)
EXISTING GROUP A-5 OCCUPANCY (EXTERIOR POOL AREA)
- (E) CONSTRUCTION TYPE: (CBC CHAPTER 6)

| | |
|------------|----------------------------|
| BUILDING H | TYPE V-A (NON-SPRINKLERED) |
| BUILDING J | TYPE V-A (NON-SPRINKLERED) |
| POOL | N/A |

NOTE: (E) SPRINKLERS EXISTS ONLY AT BUILDING H MECHANICAL ROOM
- (E) BUILDING AREA:

| | | | |
|------------|----------|-----------|----------|
| | GROUP E | GROUP A-5 | GROUP S |
| BUILDING H | 9,069 SF | | 1,380 SF |
| BUILDING J | 8,270 SF | | |
| POOL | | 11,654 SF | |
- (E) BUILDING HEIGHT:

| | |
|------------|---------|
| BUILDING H | 17'-10" |
| BUILDING J | 17'-5" |
| POOL | N/A |
- (E) OCCUPANT LOAD: (CBC CHAPTER 10)

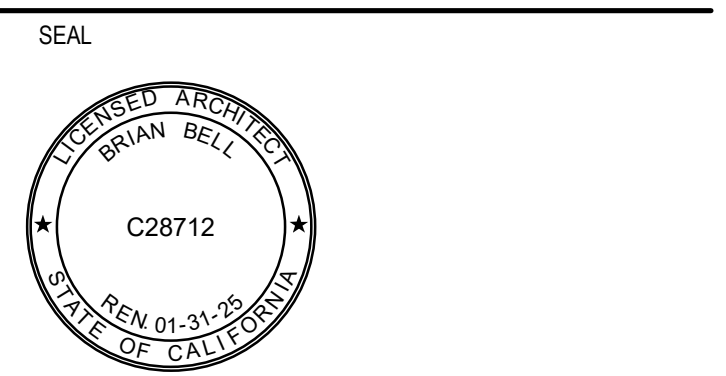
| | |
|------------|---|
| BUILDING H | 6,872 SF/ 50 = 138 OCCUPANTS |
| BUILDING J | 1,398 SF/ 300 = 5 OCCUPANTS (MECH + POOL STORAGE) |
| POOL | 781 OCCUPANTS |

NOTE: SCOPE OF WORK DOES NOT CHANGE EXISTING SF, OCCUPANCY LOAD, AND OCCUPANCY GROUP



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6715 GLORIA DR
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CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

LEGEND

| | |
|---------------------|---|
| Name | ROOM USE |
| 150 SF/ 20 | SQUARE FOOTAGE / OCCUPANT FACTOR |
| 7 | OCCUPANT LOAD |
| → 0 | EXIT AND NUMBER OF OCCUPANTS USING EXIT |
| 0 ▶ | EXIT ACCESS AND NUMBER OF OCCUPANTS USING EXIT ACCESS |
| [White Box] | (E) A-5 OCCUPANCY WITH SCOPE OF WORK |
| [Light Gray Box] | (E) S OCCUPANCY WITH SCOPE OF WORK |
| [Dark Gray Box] | (E) E OCCUPANCY WITH NO SCOPE OF WORK |
| [Cross-hatched Box] | (E) S OCCUPANCY WITH NO SCOPE OF WORK |
| PH | PANIC HARDWARE |
| [Thick Line] | (E) WOOD STUD FRAMED WALLS |
| [Dashed Line] | (E) 2-HR FIRE SEPARATED WOOD STUD FRAMED WALLS |
| [Thin Dashed Line] | (E) 1-HR FIRE SEPARATED "MODULAR" SYSTEM PARTITION |
| [Thick Dashed Line] | 1-HR SHAFT FIRE BARRIER |

ISSUED

| MARK | DATE | DESCRIPTION |
|-------|-----------|-------------|
| ADD01 | 5/10/2024 | ADD 01 |

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CLIENT PROJECT NO:
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1 LIFE SAFETY FLOOR PLAN - POOL
SCALE 1/8" = 1'-0"

TITLE
**LIFE SAFETY FLOOR
PLAN - POOL**

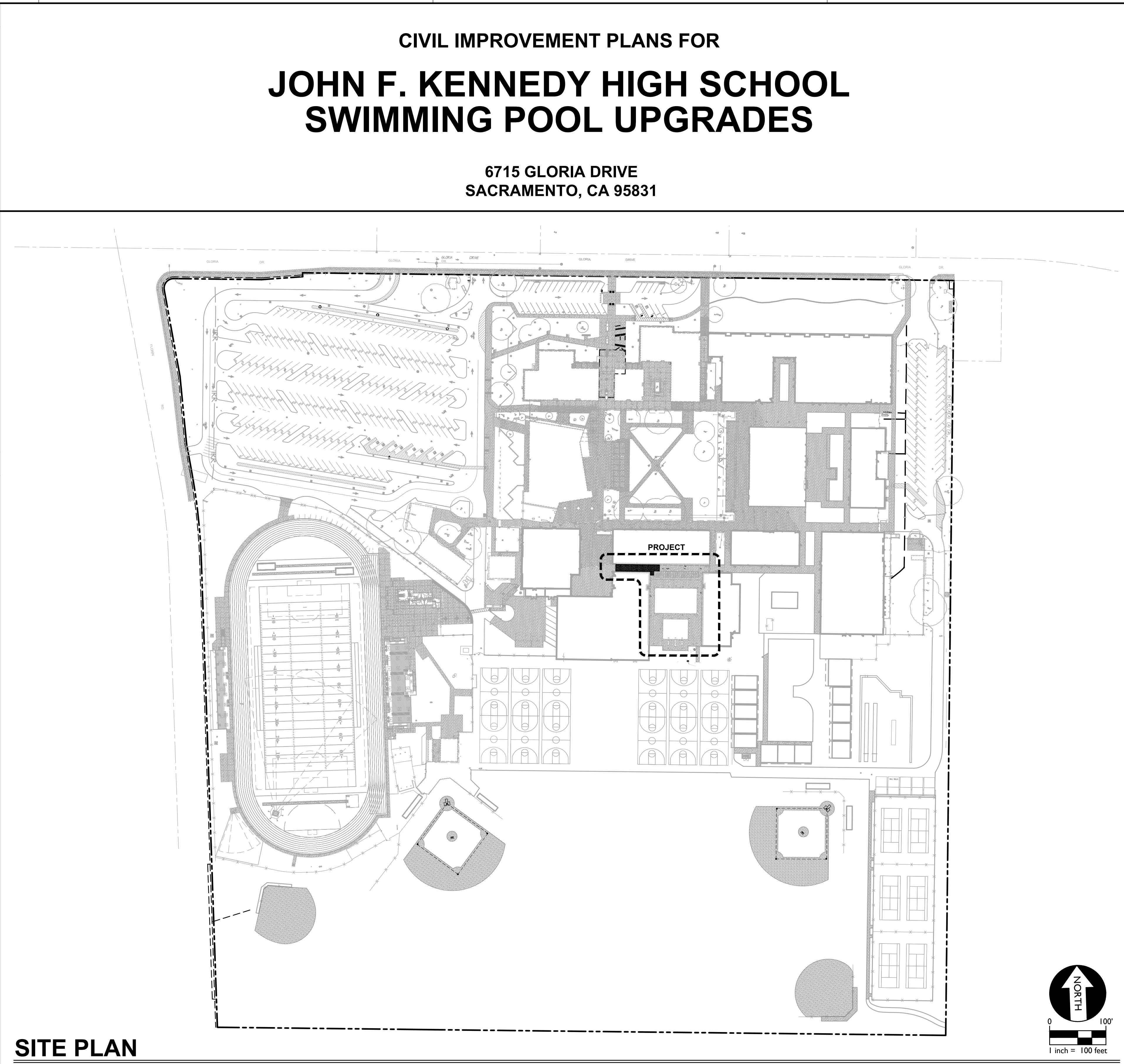
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| ABBREVIATIONS | |
|---------------|-------------------------------------|
| AB | AGGREGATE BASE |
| AC | ASPHALTIC CONCRETE |
| AD | AREA DRAIN |
| APN | ASSESSOR'S PARCEL NUMBER |
| ARV | AIR RELEASE VALVE |
| ASB | AGGREGATE SUB-BASE |
| BO | BLOW-OFF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

| SYMBOLS LEGEND | |
|---|---|
| PROPOSED GRADING & DRAINAGE SYMBOLS: | |
| | STORM DRAIN LINE (SIZE AND FLOW SHOWN) |
| | STORM DRAIN MANHOLE (SDMH) |
| | CATCH BASIN (CB) |
| | DROP INLET (DI) |
| | AREA DRAIN (AD) |
| | PLANTER DRAIN (PD) OR FLOOR DRAIN (FD) |
| | STORM DRAIN CLEANOUT |
| | ELEVATION |
| | FINISHED FLOOR ELEVATION |
| | BUILDING PAD ELEVATION |
| | CONCRETE SIDEWALK |
| | GRADED DIRECTION FOR DRAINAGE FLOW |
| | SWALE |
| | SLOPE |
| | TREE TO BE REMOVED |
| | TREE TO REMAIN |
| | RETAINING WALL |
| | OVERLAND RELEASE PATH |
| PROPOSED WATER SYMBOLS: | |
| | WATER LINE & SIZE |
| | FIRE LINE & SIZE |
| | DOMESTIC WATER LINE & SIZE |
| | RECLAIMED WATER LINE & SIZE |
| | IRRIGATION SERVICE LINE & SIZE |
| | NON POTABLE WATER LINE & SIZE |
| | FIRE SPRINKLER SVC. LINE & SIZE |
| | GATE VALVE |
| | WATER METER |
| | FIRE HYDRANT ASSEMBLY |
| | FIRE DEPARTMENT CONNECTION |
| | DETECTOR CHECK VALVE |
| | DOUBLE DETECTOR CHECK VALVE |
| | REDUCED PRESSURE BACKFLOW PREVENTER |
| | BUTTERFLY VALVE |
| | AIR RELEASE VALVE + SIZE |
| | BLOW-OFF VALVE + SIZE |
| | POST INDICATOR VALVE |
| PROPOSED SANITARY SEWER SYMBOLS: | |
| | SANITARY SEWER LINE (SIZE AND FLOW SHOWN) |
| | SANITARY SEWER MANHOLE (SSMH) |
| | SEWER CLEANOUT |
| | FLUSHER BRANCH |

| APPLICABLE CODES & STANDARDS | |
|--|--|
| 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR* | |
| 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2022 CALIFORNIA AMENDMENTS) | |
| 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS) | |
| 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS) | |
| 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR | |
| 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS) | |
| 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CFR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS | |

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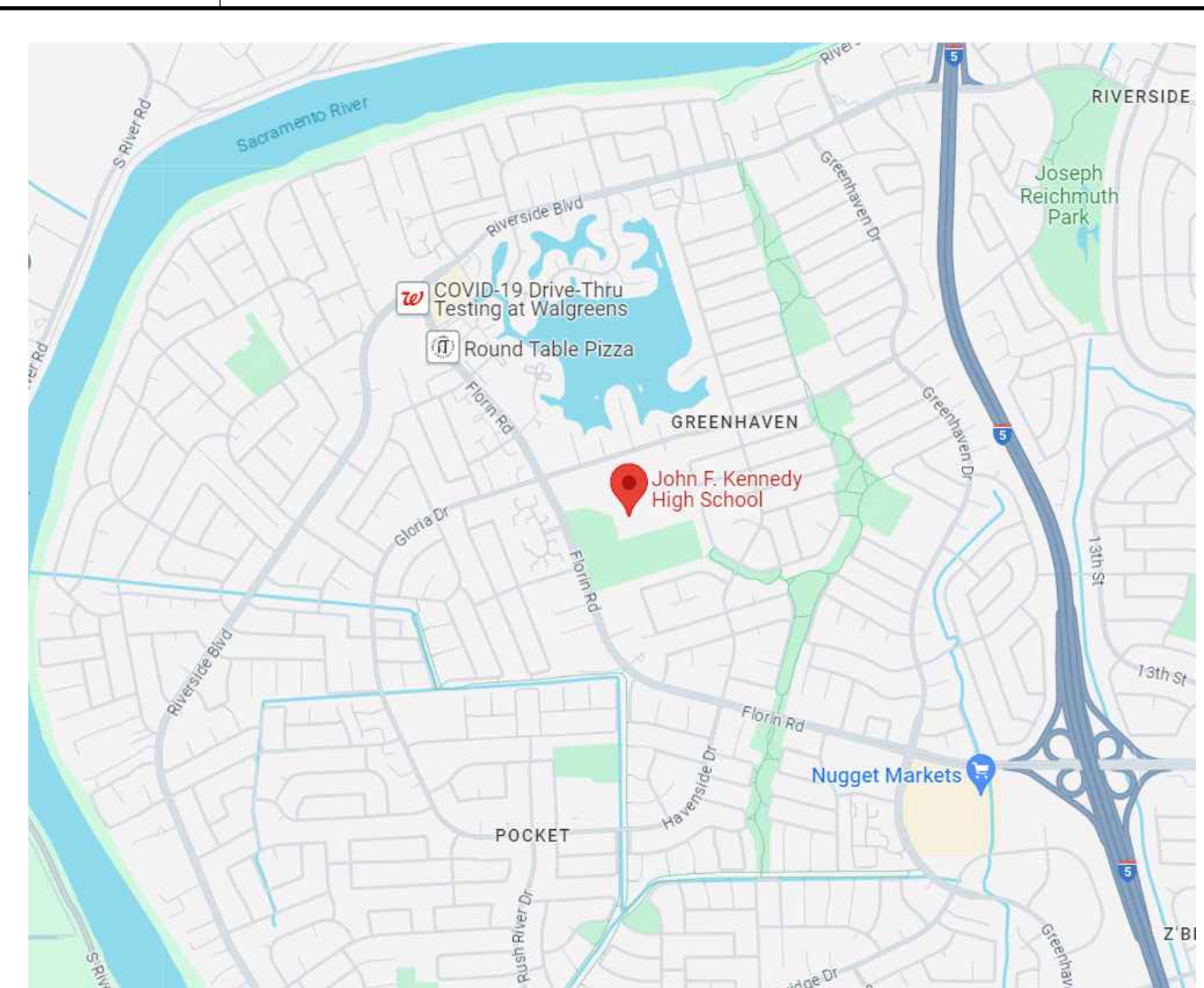


| GENERAL NOTES | |
|---|--|
| 1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811. | |
| 2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STATED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION. | |
| 3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT STAFF. | |
| 4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER. | |
| 5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH. | |
| 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB. | |
| 7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER. | |
| 8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS. | |
| 9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING. | |
| 10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY. | |
| 11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS. | |
| 12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS. | |
| 13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION. | |
| 14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR. | |
| 15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS. | |
| 16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN. | |
| 17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE. | |
| 18. ALL CONTRACTION/CONSTRUCTION JOINTS "C.J." SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINISHING CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE. | |
| 19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING. | |
| 20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB CONSTRUCTION. | |
| 21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL. | |
| 22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS. | |
| 23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 790-01. GALVANIZING PAINTS WILL NOT BE ALLOWED. | |

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CIVIL IMPROVEMENT PLANS FOR JOHN F. KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADES

6715 GLORIA DRIVE
SACRAMENTO, CA 95831



VICINITY MAP
NO SCALE

SHEET INDEX

| NO. | SHEET TITLE | NO. | SHEET TITLE |
|--------------------|-------------------------|-----|-------------|
| GENERAL CIVIL INFO | | | |
| C101 | CIVIL TITLE SHEET | | |
| VF101 | TOPOGRAPHIC SURVEY | | |
| VF102 | TOPOGRAPHIC SURVEY | | |
| CD101 | DEMOLITION PLAN | | |
| CS101 | HORIZONTAL CONTROL PLAN | | |
| CG101 | GRADING PLAN | | |



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122170 INC.
REVIEWED FOR:
DATE: 05/09/2024

LIONAKIS
2025 Nineteenth Street
Sacramento, CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

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

SEAL

ANTHONY J. TABSANO
REGISTERED PROFESSIONAL ENGINEER
OF CALIFORNIA
4/28/2024

PROJECT
**JOHN F. KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

6715 GLORIA DRIVE
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

| ISSUED | | |
|--------|------|-------------|
| MARK | DATE | DESCRIPTION |
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| CLIENT PROJECT NO. | N/A |
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AGENCY

TITLE

CIVIL COVER SHEET

SHEET
C101

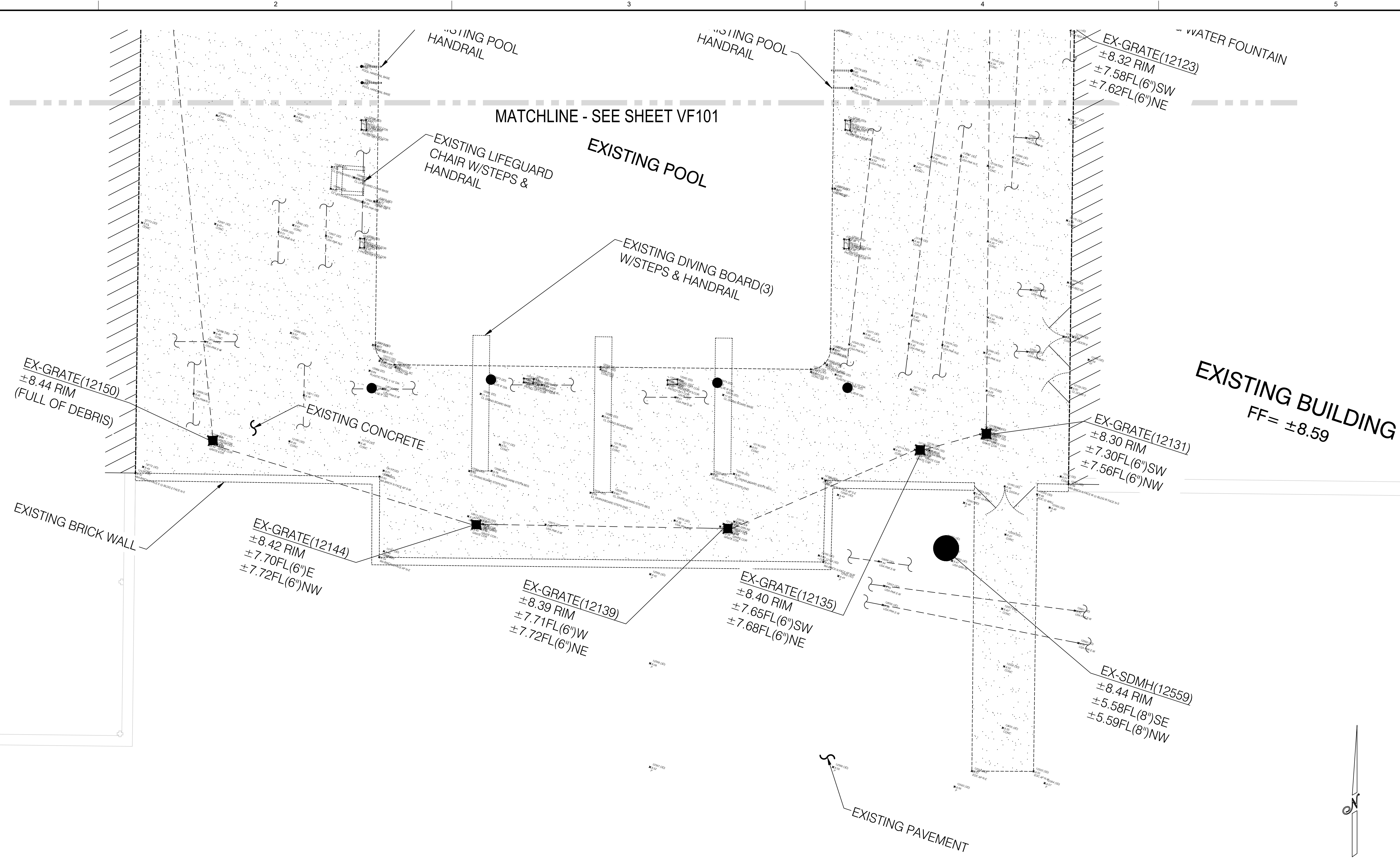
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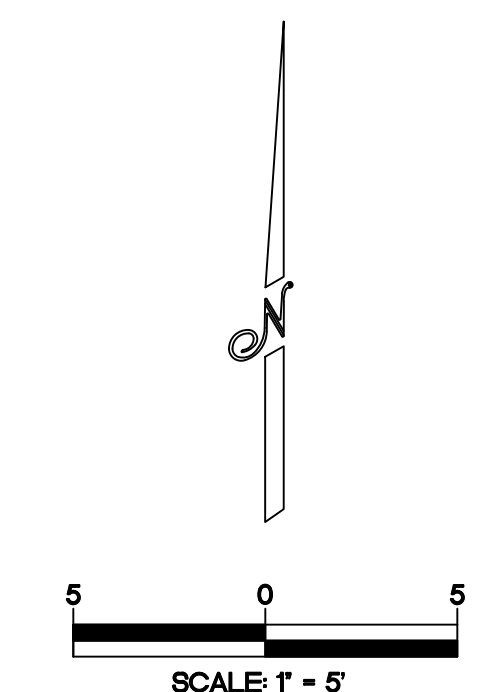
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EXISTING BUILDING
FF = ±8.59



BENCHMARK

ELEVATION: 4.242
 BM BENCHMARK NO. SAC. CITY 316-H78. FOUND HILTI NAIL AT LIGHT BASE ON THE SOUTH SIDE OF GLORIA DRIVE OPPOSITE KEEL COURT.

NOTE: UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS USING ON SITE USA MARKINGS.

LEGEND

- EXISTING ELECTRIC METER ELM
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING UNDERGROUND UTILITY LINE (UNKNOWN UTILITY)
- EXISTING SEWER CLEANOUT
- EXISTING STORM DRAIN MANHOLE
- EXISTING AREA DRAIN
- EXISTING STORM DRAIN GRATE
- EXISTING STORM DRAIN LINE
- EXISTING POOL VALVE
- EXISTING VALVE
- EXISTING CHAIN LINK FENCE
- EXISTING GATE
- EXISTING PAINTED POOL DEPTH
- EXISTING DOOR AT BUILDING
- EXISTING CONCRETE
- EXISTING BUILDING
- EXISTING PAVEMENT

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122170 INC.
 REVIEWED FOR: _____
 SS FLS ACS
 DATE: 05/09/2024

LIONAKIS

2025 Nineteenth Street
 Sacramento, CA 95818
 P 916.558.1900
 www.lionakis.com

CONSULTANT

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

SEAL



PROJECT
**JOHN F. KENNEDY HIGH SCHOOL
 SWIMMING POOL UPGRADE**

6715 GLORIA DRIVE
 SACRAMENTO, CA 95831

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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

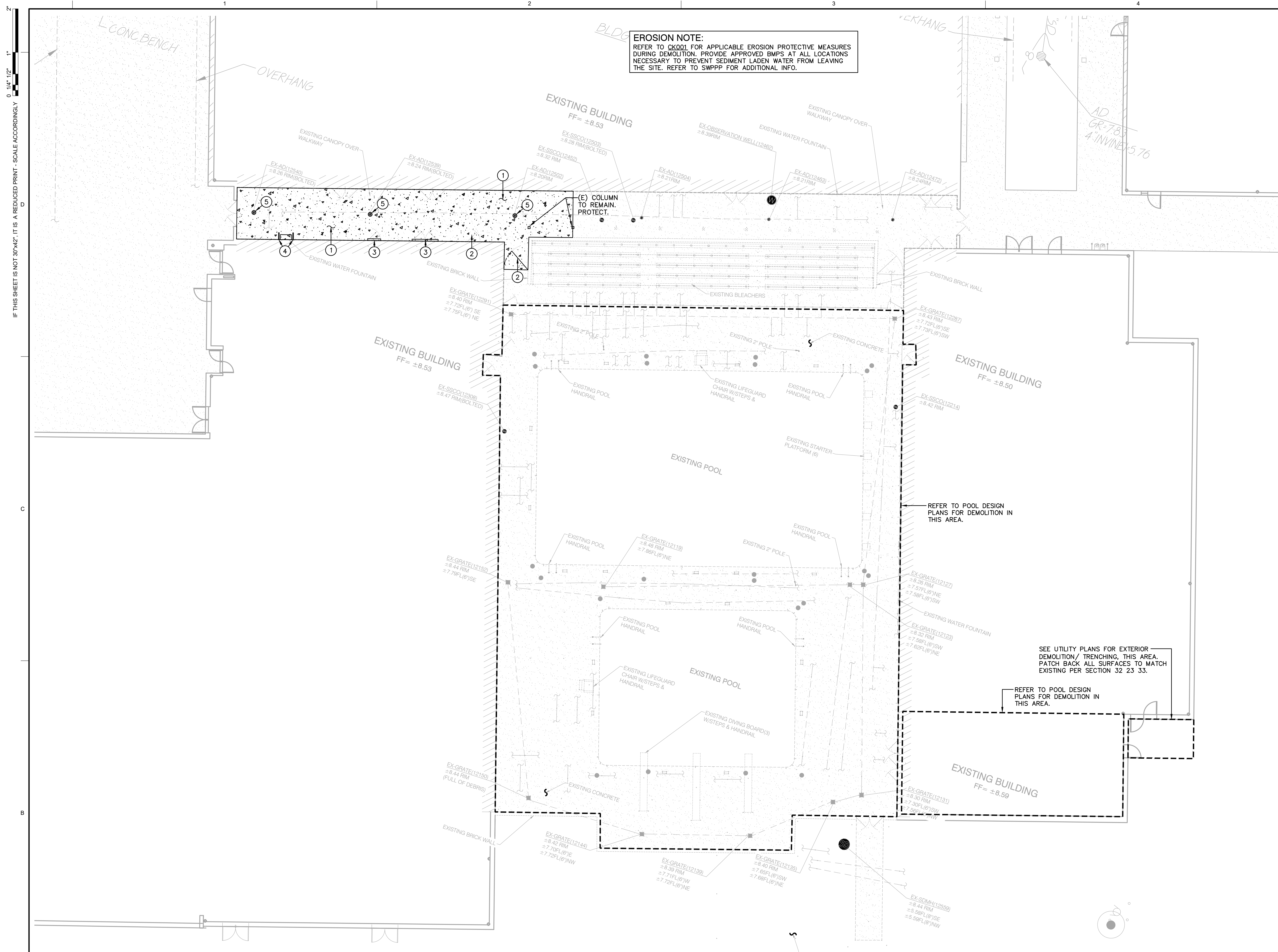
MANAGEMENT
 LIONAKIS PROJECT NO. 023283
 CLIENT PROJECT NO. N/A
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AGENCY

TITLE
**TOPOGRAPHIC
 SURVEY**

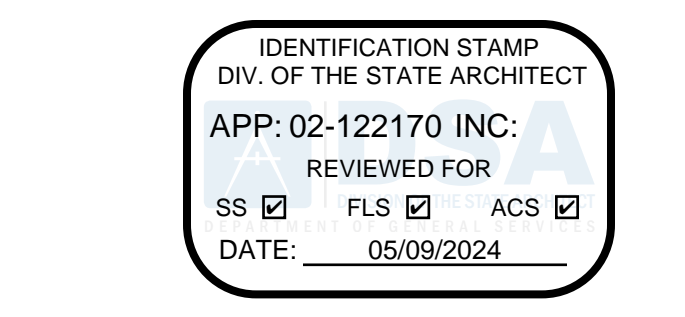
SHEET

VF102



- DEMOLITION GENERAL NOTES**
- IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
 - NO BURNING OR BLASTING SHALL BE PERMITTED.
 - ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
 - ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
 - ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
 - THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
 - THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
 - EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
 - ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
 - CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2022 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
 - CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMITING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY LOCATED UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
 - ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ON-SITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.

- DEMOLITION NOTES**
- AND/OR LEGEND
- REMOVE EXISTING CONCRETE PAVING AND BASE AGGREGATES (IF EXIST), WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
 - REMOVE EXISTING LARGE MAINTENANCE GATE. SEE ARCHITECTURAL PLANS FOR NEW GATE.
 - REMOVE EXISTING METAL THRESHOLD. SEE GRADING PLANS FOR NEW FLATWORK. SEE ARCHITECTURAL PLANS FOR NEW THRESHOLD.
 - REMOVE EXISTING DRINKING FOUNTAIN HANDRAILS. SALVAGE AND RE-INSTALL ON NEW CONCRETE FLATWORK.
 - REMOVE EXISTING FLOOR DRAIN. PROTECT EXISTING PIPING SYSTEMS.



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CONSULTANT



SEAL



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| MARK | DATE | DESCRIPTION |
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| MANAGEMENT | |
|----------------------|---------------|
| LIONAKIS PROJECT NO. | 023283 |
| CLIENT PROJECT NO. | N/A |
| COPYRIGHT: | LIONAKIS 2023 |

AGENCY

TITLE
SURFACE DEMOLITION PLAN

SHEET
CD101

1 SURFACE DEMOLITION PLAN

SCALE 1" = 10'-0"

EXISTING UTILITIES AND LOCATING
VARIOUS UTILITIES EXIST BENEATH THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL ACQUIRE UNDERGROUND LOCATOR TO LOCATE ALL UTILITIES IN ACCORDANCE WITH EARTHWORK SECTION 31 0000. APPROXIMATE LOCATIONS HAVE BEEN SHOWN ON THESE PLANS FROM RECORD SOURCES BUT FIELD CONDITIONS MAY VARY. CELLULAR CONDUITS REQUIRE EXTREME CAUTION WHEN WORKING AROUND. SHALLOW UTILITIES, MAY REQUIRE ADDITIONAL WORK AS OUTLINED IN THESE PLANS AND SPECIFICATIONS TO AVOID DAMAGE TO UTILITIES. CONTACT ARCHITECT IMMEDIATELY IF FOUND UTILITIES CONFLICT WITH NEW WORK.

UTILITY VERIFICATION NOTE
PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

CONCRETE SAWCUT NOTE
SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

IRRIGATION DEMOLITION
WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINE AND HEADS ENCOUNTERED, PROVIDED THAT THE MAIN LINES AND CONTROL WIRES ONLY IF ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEM INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
WHEN IRRIGATION LINES ENTERING NEW WORK ARE CUT TEMPORARILY FOR CONSTRUCTION, EVEN IF THEY ARE TO BE RE-CONNECTED TO AT SOME POINT DURING CONSTRUCTION, SHALL BE CAPPED TO ALLOW UPSTREAM HEADS IN THAT SYSTEM ZONE TO OPERATE. CAPS SHALL BE REMOVED IF A RE-CONNECTION IS PLANNED.

CAL-GREEN - Waste Diversion

5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3, or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:

- Contractor shall identify the construction and demolition waste materials to be diverted from disposal, to comply with 65% criteria listed above, by efficient usage, recycling, reuse on the project or salvage for future use or sale.
- Contractor shall determine if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). Either method is the responsibility of the contractor.
- Contractor shall identify diversion facilities where construction and demolition waste material collected will be taken. Transport to such facilities is contractor's responsibility.
- Contractor shall record and provide record of the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. Contractor shall make any and all arrangements with waste management company for pickup of materials.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

- Excavated soil and land-clearing debris.
- Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
- Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

CAL-GREEN - Waste Diversion Documentation Required (Ref Calgreen 5.408.1.4)
Contractor shall prepare and provide documentation to the enforcing agency which demonstrates compliance with Calgreen Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

- Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at <http://www.tbc.ca.gov/Home/CALGreen.aspx> may be used to assist in documenting compliance with the waste management plan.
- Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

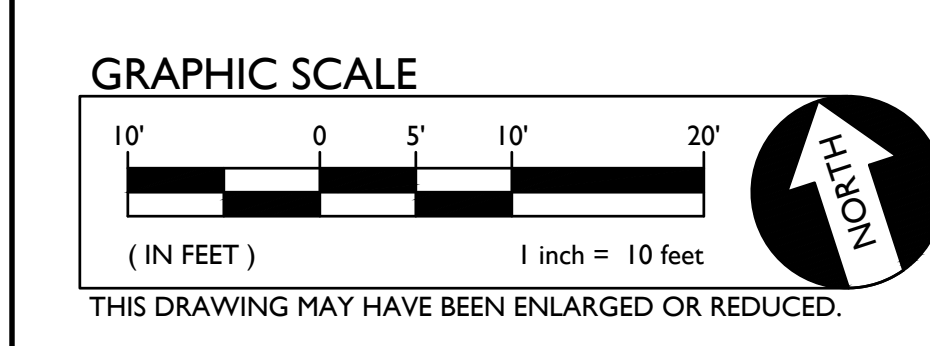
CAL-GREEN - Excavated Soil & Land Clearing

5.408.3 Excavated soil and land clearing debris. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on- or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

- If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. (www.cdffa.ca.gov/excec/county_contacts.html)
- For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdffa.ca.gov)

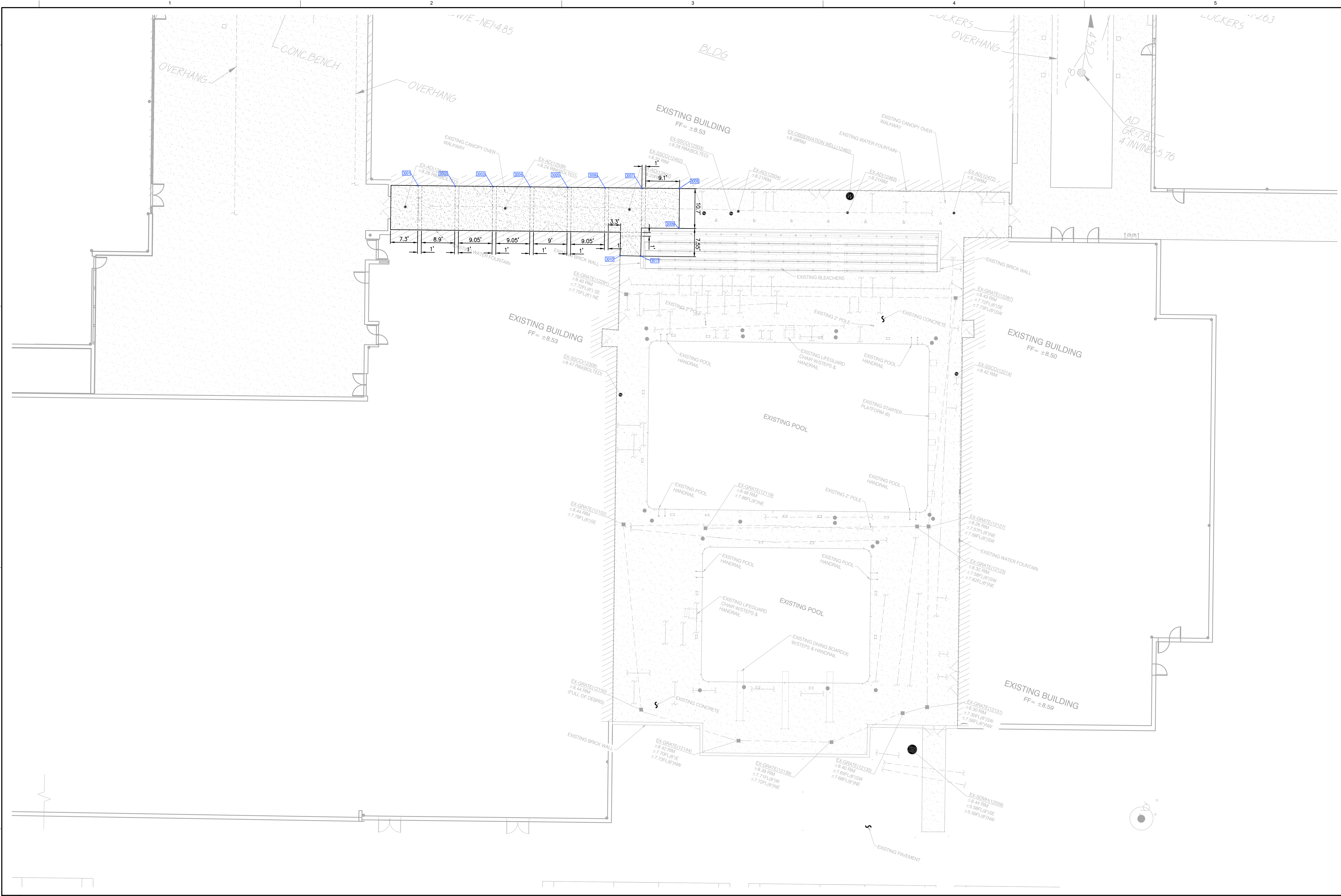


IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

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1 HORIZONTAL CONTROL PLAN

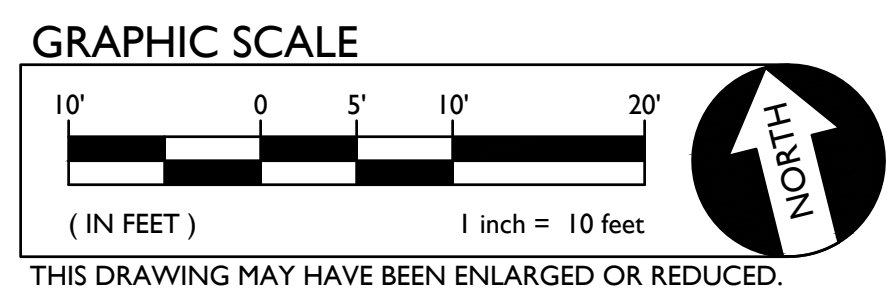
SCALE 1" = 10'-0"

| Project Control Point List | | | | |
|----------------------------|-----------------|-----------|------------|---------|
| Point # | Raw Description | Elevation | Northing | Easting |
| 3001 | JOINT | 9858.2691 | 10353.7381 | |
| 3002 | JOINT | 9861.2272 | 10363.2020 | |
| 3003 | JOINT | 9864.2261 | 10372.7980 | |
| 3004 | JOINT | 9867.2256 | 10382.3924 | |
| 3005 | JOINT | 9870.2030 | 10391.9181 | |
| 3006 | JOINT | 9873.1983 | 10401.5007 | |
| 3007 | JOINT | 9876.1415 | 10410.9169 | |
| 3008 | JOINT | 9879.1521 | 10420.5488 | |
| 3009 | JOINT | 9868.9584 | 10423.7327 | |
| 3010 | JOINT | 9857.1245 | 10410.9477 | |
| 3011 | JOINT | 9858.7174 | 10416.2568 | |

| Construction Point List | | | |
|-------------------------|-----------------|-----------|------------|
| Point # | Raw Description | Northing | Easting |
| 3001 | JOINT | 9858.2691 | 10353.7381 |
| 3002 | JOINT | 9861.2272 | 10363.2020 |
| 3003 | JOINT | 9864.2261 | 10372.7980 |
| 3004 | JOINT | 9867.2256 | 10382.3924 |
| 3005 | JOINT | 9870.2030 | 10391.9181 |
| 3006 | JOINT | 9873.1983 | 10401.5007 |
| 3007 | JOINT | 9876.1415 | 10410.9169 |
| 3008 | JOINT | 9879.1521 | 10420.5488 |
| 3009 | JOINT | 9868.9584 | 10423.7327 |
| 3010 | JOINT | 9857.1245 | 10410.9477 |
| 3011 | JOINT | 9858.7174 | 10416.2568 |



COORDINATE NOTE: AS DRAWINGS MAY BE SUBJECT TO CHANGE FOR A VARIETY OF REASONS, CONTRACTOR SHOULD REVIEW COORDINATES PROVIDED ON THIS PLAN WITH APPROVED STRUCTURAL DRAWINGS, PRIOR TO STAKING.



LEGEND

- COORDINATE LOCATION
- COORDINATE NUMBER
- COORDINATE LIST SEE LEFT
- IBM LIST SEE LEFT
- RELEASE OF CAD FILES
- CAD FILES WILL BE AVAILABLE UPON REQUEST AND WITH SIGNED ELECTRONIC FILE RELEASE AGREEMENT TO BE PROVIDED. WARREN CONSULTING ENGINEERS INC. WILL PROVIDE SUCH CAD FILES WITHIN 2 WORKING DAYS OF RECEIPT OF SIGNED CAD RELEASE AGREEMENT. FILED WILL BE AUTOCAD, VERSION 2018.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122170 INC.
REVIEWED FOR: [] FLS [] ACS []
DATE: 05/09/2024

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| ISSUED | | |
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| MARK | DATE | DESCRIPTION |
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| MANAGEMENT | |
|----------------------|---------------|
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| CLIENT PROJECT NO: | N/A |
| COPYRIGHT: | LIONAKIS 2023 |

AGENCY

TITLE
**HORIZONTAL CONTROL
PLAN**

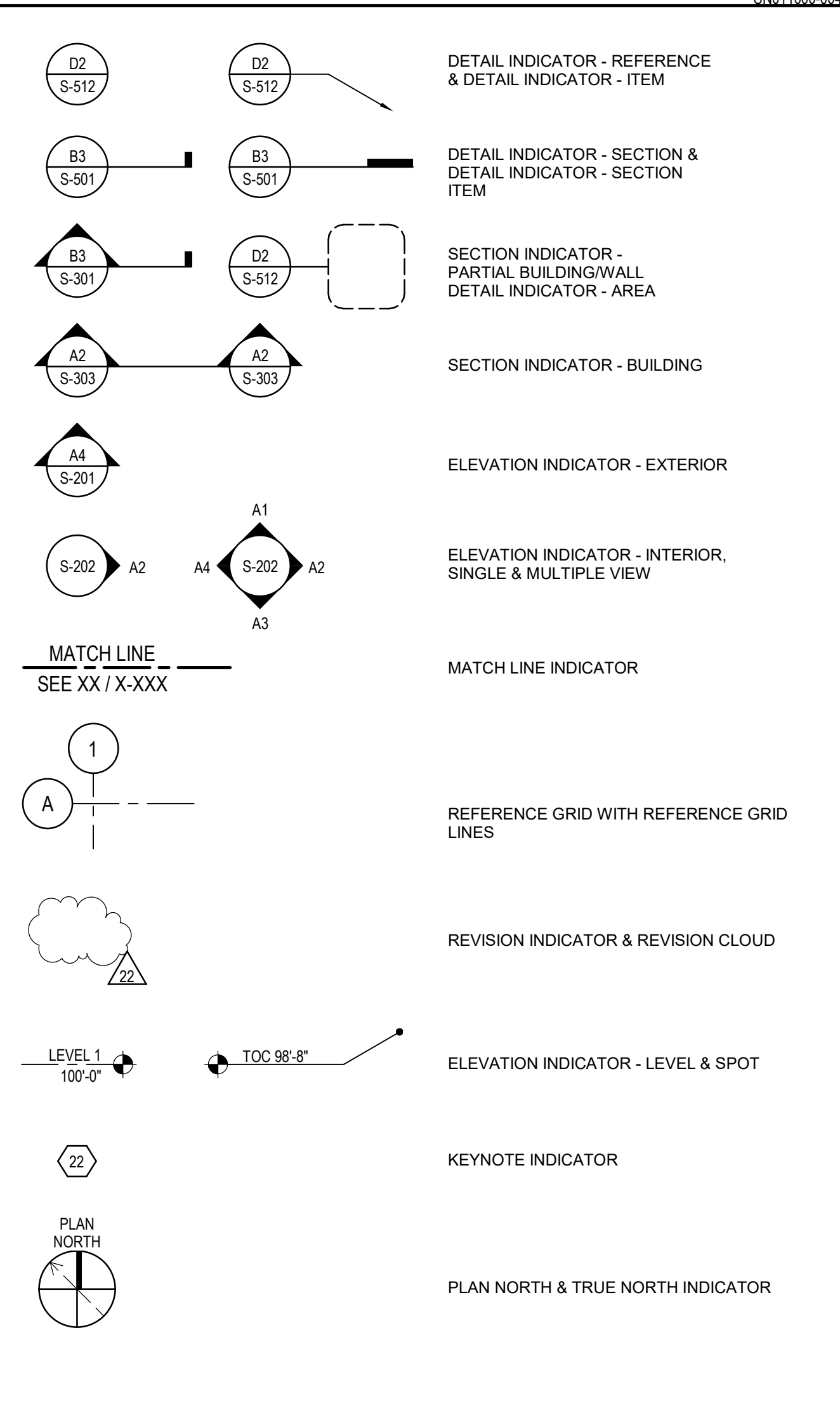
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CS101

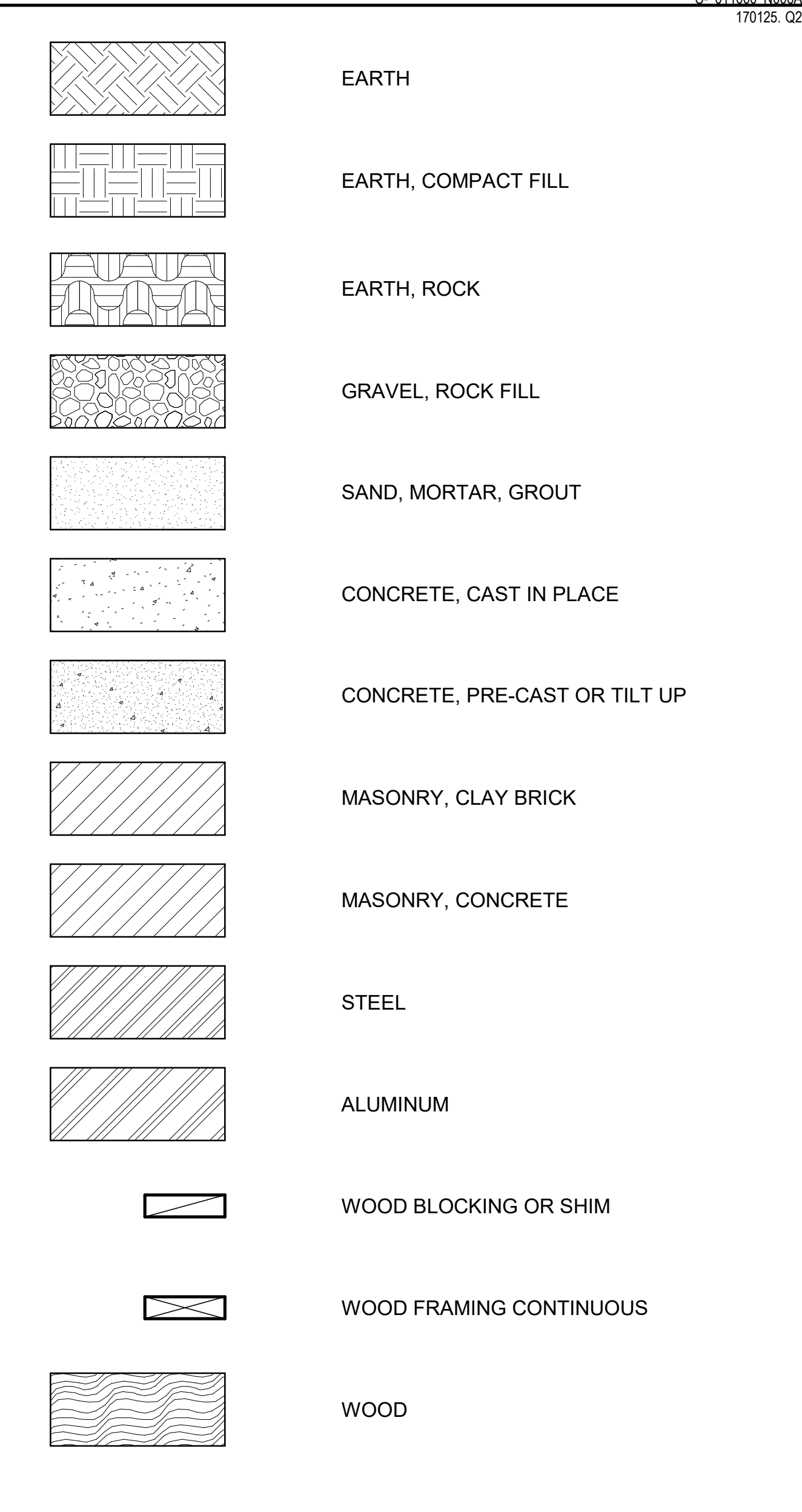
STRUCTURAL ABBREVIATIONS LEGEND

Table listing structural abbreviations and their corresponding full names, organized in two columns.

STRUCTURAL SYMBOLS LEGEND



MATERIAL SYMBOL LEGEND



STRUCTURAL GENERAL NOTES

- 1. THE STRUCTURAL NOTES AND TYPICAL DETAILS, WHETHER SPECIFICALLY REFERENCED OR NOT, ARE GENERAL AND APPLY TO ALL CONSTRUCTION DOCUMENTS. PROVIDE ALL STRUCTURAL ELEMENTS INDICATED IN THE STRUCTURAL NOTES AND TYPICAL DETAILS AS REQUIRED TO CONFORM TO THE PROJECT AS INDICATED IN OTHER CONSTRUCTION DOCUMENTS.
2. REFERENCES TO CONSTRUCTION DOCUMENTS ARE TO THE ENFORCEMENT AGENCY APPROVED DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. SUPPLEMENTAL DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ADDENDA, REVISED DRAWINGS, FIELD INSTRUCTIONS AND MODIFICATIONS PROVIDED FOR THIS PROJECT SHALL BE CONSIDERED A PART OF THE CONSTRUCTION DOCUMENT. ALL REQUIREMENTS OF THE INITIALLY APPROVED CONSTRUCTION DOCUMENTS SHALL APPLY TO ANY SUPPLEMENTAL DOCUMENTS.
3. WHERE THE CONSTRUCTION DOCUMENTS INDICATE TO NOTIFY THE STRUCTURAL ENGINEER, SUCH NOTIFICATION SHALL BE SUBMITTED IN WRITING WITH SUFFICIENT ALLOWANCE FOR A REASONABLE TIME PERIOD FOR THE DESIGN, ENFORCEMENT AGENCY APPROVAL AS REQUIRED AND WRITTEN RESPONSE SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. OBTAIN WRITTEN RESPONSE BEFORE PROCEEDING WITH THE AFFECTED WORK.
4. CAREFULLY EXAMINE THE CONSTRUCTION DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITHIN THE STRUCTURAL CONSTRUCTION DOCUMENTS AND BETWEEN ALL OTHER CONSTRUCTION DOCUMENTS. DEVIATIONS SHALL NOT BE MADE TO THE REQUIREMENTS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS.
5. PORTIONS OF THESE CONSTRUCTION DOCUMENTS ARE DIAGRAMMATIC ONLY. ITEMS INCLUDING, BUT NOT LIMITED TO, LOCATIONS, SIZES, QUANTITIES, ACCESSORIES AND CONNECTIONS ARE NOT TO BE REPRESENTED IN A REPRESENTATIONAL MANNER AND MAY NOT BE COMPLETELY SHOWN. PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE PROJECT AS REPRESENTED IN THE CONSTRUCTION DOCUMENTS.
6. DIMENSIONS AND ELEVATIONS INDICATED ARE FOR STRUCTURAL ELEMENTS ONLY. ELEVATIONS SHOWN ARE BASED ON A REFERENCE ELEVATION. COORDINATE REFERENCE ELEVATIONS WITH ACTUAL ELEVATIONS. COORDINATE WITH ALL OTHER CONSTRUCTION DOCUMENTS FOR DIMENSIONS AND ELEVATIONS NOT INDICATED ON THE STRUCTURAL CONSTRUCTION DOCUMENTS. DO NOT SCALE DRAWINGS.
7. CONSTRUCTION SHALL COMPLY WITH ALL BUILDING, HEALTH AND SAFETY STANDARDS, CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. NOTHING IN THE CONSTRUCTION DOCUMENTS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE STANDARDS, CODES AND REGULATIONS.
8. REFERENCES TO STANDARDS, CODES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, ICC, IBC, CBC, ACI, ASTM, ASCE, ANSI, AWS, AISI, AISC AND AISC SHALL BE TO THE LATEST EDITION AS ADOPTED BY THE ENFORCEMENT AGENCY.
9. FEATURES OF CONSTRUCTION INDICATED ARE TYPICAL, WHERE FEATURES ARE NOT FULLY OR SPECIFICALLY INDICATED BY THE CONSTRUCTION DOCUMENTS, THEIR CONSTRUCTION SHALL BE AS INDICATED FOR IDENTICAL OR SIMILAR FEATURES ELSEWHERE IN THE CONSTRUCTION DOCUMENTS. IF ANY CONDITIONS REQUIRE CONSTRUCTION DIFFERENT THAN THAT INDICATED ON THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER.
10. STRUCTURAL ELEMENTS SHALL NOT BE REMOVED OR MODIFIED UNLESS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS. IF STRUCTURAL ELEMENTS INTERFERE WITH THE WORK INDICATED IN ANY OTHER CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER.
11. THE CONSTRUCTION DOCUMENTS AND THE DESIGNS INCORPORATED THEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT.
12. STRUCTURAL ELEMENTS REPRESENTED IN THE CONSTRUCTION DOCUMENTS ARE INDICATED IN THEIR COMPLETE CONSTRUCTION. THE CONSTRUCTION DOCUMENTS DO NOT INDICATE MEANS, METHODS OR SEQUENCES OF CONSTRUCTION UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE ALL MEASURES NECESSARY AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY AND TO ASSURE THE CORRECT AND ACCURATE STRUCTURE GEOMETRY AND STABILITY DURING CONSTRUCTION. MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING ADEQUATE FORMING, SHORING AND BRACING. MEASURES SHALL REMAIN IN PLACE UNTIL THE STRUCTURE IS COMPLETE AND ALL OTHER STRUCTURAL ELEMENTS USED TO SUPPORT THEM HAVE BEEN COMPLETED AND HAVE ATTAINED THEIR REQUIRED DESIGN STRENGTHS.
13. PROTECT ALL ELEMENTS, WHETHER CONCEALED OR NOT, INCLUDING, BUT NOT LIMITED TO, PROPERTIES, STRUCTURES, FINISHES, STREETS, LANDSCAPING AND UTILITIES ADJACENT TO OR ON THIS SITE DURING THE CONSTRUCTION OF THIS PROJECT. SHOULD DAMAGE OCCUR TO ANY ELEMENTS, THEY SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. CONTROL ITEMS SUCH AS, BUT NOT LIMITED TO, DUST, DIRT, WATER, FUMES, SMOKE, TRASH, AND VIBRATION CREATED AS A RESULT OF ANY OPERATIONS DURING CONSTRUCTION IN CONFORMANCE WITH APPLICABLE STANDARDS, CODES AND REGULATIONS.
14. STRUCTURAL DESIGN LOADS, STRENGTHS, CAPACITIES AND CRITERIA INDICATED ON THE CONSTRUCTION DOCUMENTS ARE FOR THE COMPLETED STRUCTURE ONLY. THE USE OF ANY PART OR PARTS OF THE COMPLETED STRUCTURE FOR THE SUPPORT OF THE SUPPORT OF CONSTRUCTION ITEMS INCLUDING, BUT NOT LIMITED TO, OTHER PORTIONS OF THE STRUCTURE, PERSONNEL, MATERIALS AND EQUIPMENT IS LIMITED TO THE SAFE CAPACITY OF THE STRUCTURE AT THE TIME IT IS TO BE USED FOR SUCH SUPPORT. PROVIDE ALL MEASURES NECESSARY AS REQUIRED TO PREVENT OVERLOADING, EXCESSIVE MOVEMENT AND DAMAGE TO ANY PART OR PARTS OF THE STRUCTURE.
15. IF SUBSTITUTIONS ARE REQUESTED FOR STRUCTURAL ELEMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER. SUBMIT DATA AND DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, COMPARATIVE QUALITY, SUITABILITY, PERFORMANCE, STRUCTURAL CAPACITY, ICC APPROVAL AND ENFORCEMENT AGENCY ACCEPTABILITY SUBSTANTIATING THE COMPLETE COMPLIANCE OF EACH PROPOSED SUBSTITUTION WITH THE CONSTRUCTION DOCUMENTS. ONLY ONE REQUEST FOR SUBSTITUTION WILL BE ALLOWED FOR EACH STRUCTURAL ELEMENT. SUBSTITUTIONS WILL NOT BE CONSIDERED WHEN SUBMITTALS ARE INCOMPLETE OR ACCEPTANCE WOULD REQUIRE REVISIONS TO THE CONSTRUCTION DOCUMENTS. PROVIDE OWNER REIMBURSEMENT FOR SERVICES REQUIRED TO OBTAIN ENFORCEMENT AGENCY APPROVAL OF SUBSTITUTIONS. IF A PROPOSED SUBSTITUTION SUBMITTAL IS NOT COMPLETE, NOT ACCEPTABLE TO THE STRUCTURAL ENGINEER, OR NOT APPROVED BY THE ENFORCEMENT AGENCY PROVIDE THE SPECIFIED ITEM AS INDICATED IN THE CONSTRUCTION DOCUMENTS. THE STRUCTURAL ENGINEER WILL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF THE PROPOSED SUBSTITUTION VERSUS THE SPECIFIED ITEM. ACCEPTANCE OF A SUBSTITUTION SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
16. SCHEDULES, LEGENDS, ABBREVIATIONS, TYPICAL NOTES AND TYPICAL DETAILS ON THE STRUCTURAL CONSTRUCTION DOCUMENTS MAY REFERENCE STRUCTURAL ELEMENTS OR REQUIREMENTS NOT SPECIFICALLY INDICATED OR REQUIRED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.
17. THE STRUCTURAL CONSTRUCTION DOCUMENTS ARE NOT COMPLETE AND READY FOR CONSTRUCTION UNTIL THEY ARE APPROVED BY THE ENFORCEMENT AGENCY AND SIGNED BY THE STRUCTURAL ENGINEER.

EXISTING CONSTRUCTION

- 1. CAREFULLY EXAMINE THE CONSTRUCTION DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITHIN THE STRUCTURAL CONSTRUCTION DOCUMENTS AND BETWEEN ALL OTHER CONSTRUCTION DOCUMENTS AND THE EXISTING CONSTRUCTION.
2. EXISTING CONSTRUCTION INDICATED IN THE CONSTRUCTION DOCUMENTS IS BASED UPON INFORMATION SHOWN ON AVAILABLE EXISTING DRAWINGS AND/OR LIMITED VISUAL OBSERVATIONS. THE EXISTING CONSTRUCTION MAY VARY FROM THAT INDICATED ON THE CONSTRUCTION DOCUMENTS. PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE PROJECT AS REPRESENTED IN THE CONSTRUCTION DOCUMENTS.
3. VERIFY ALL DIMENSIONS AND ELEVATIONS OF THE EXISTING CONSTRUCTION PRIOR TO STARTING CONSTRUCTION OR FABRICATION. DO NOT SCALE EXISTING DRAWINGS.
4. PROVIDE AND MAINTAIN A COMPLETE AND LEGIBLE COPY OF THE EXISTING CONSTRUCTION DOCUMENTS AND MAKE THEM AVAILABLE FOR USE ON THE JOB SITE.
5. EXISTING STRUCTURAL ELEMENTS SHALL NOT BE REMOVED OR MODIFIED UNLESS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS. IF EXISTING STRUCTURAL ELEMENTS INTERFERE WITH THE WORK INDICATED IN ANY CONSTRUCTION DOCUMENT, OR IF UNCERTAIN THAT AN ELEMENT IS STRUCTURAL, NOTIFY THE STRUCTURAL ENGINEER.
6. PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF THE EXISTING STRUCTURE AND SITE DURING DEMOLITION AND CONSTRUCTION. MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING ADEQUATE SHORING, BRACING, WEATHER PROTECTION AND DUST PROTECTION. THE REMOVAL OR MODIFICATION OF EXISTING STRUCTURAL ELEMENTS SHALL BE PERFORMED IN A MANNER TO PREVENT DAMAGE TO THOSE ELEMENTS TO REMAIN. SHOULD DAMAGE OCCUR TO ANY EXISTING ELEMENTS, THEY SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
7. EXISTING FOUNDATIONS THAT MAY BE AFFECTED BY ANY EXCAVATIONS REQUIRED FOR THIS PROJECT SHALL BE UNDERPINNED, SHORED OR SUPPORTED ADEQUATELY TO PREVENT SETTLEMENT AND LATERAL MOVEMENT.
8. IF EXISTING STRUCTURAL ELEMENTS NOT INDICATED FOR REPLACEMENT OR REPAIR ARE DISCOVERED TO BE DAMAGED OR DIFFERENT THAN INDICATED ON THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER. SUCH DAMAGE OR DIFFERENCE SHALL INCLUDE, BUT NOT BE LIMITED TO, DRY-ROT, WATER DAMAGE, INSECT DAMAGE, POOR WORKMANSHIP OR UP-LOUING, BUCKLING, EXCESSIVE DEFLECTION, SAGGING, TWISTING, WARPING, AND DIFFERENT SIZE, ORIENTATION, GRADE, QUALITY OR MATERIAL.
9. WHEN DRILLING/CORING HOLES AT EXISTING CONCRETE OR MASONRY, DO NOT DAMAGE EXISTING REINFORCING (REBAR OR PRE/POST-TENSIONED STRANDS) UNLESS SPECIFICALLY NOTED OTHERWISE. LOCATE ALL EXISTING REINFORCING AT AFFECTED AREAS USING NON-DESTRUCTIVE MEANS PRIOR TO DRILLING/CORING HOLES. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN THE REINFORCEMENT AND THE HOLE.
10. WHEN SAW-CUTTING EXISTING STRUCTURAL ELEMENTS, DO NOT OVERCUT. INTERSECTING SAW-CUTS SHALL NOT OVERLAP. SAW-CUTS MAY INTERSECT AT SMALL DIAMETER CORE-DRILLED HOLES. SAW-CUTS SHALL BE TANGENT TO AND SHALL NOT EXTEND BEYOND CORE-DRILLED HOLES. CAREFULLY REMOVE REMAINING MATERIAL TO EDGE OF SAW-CUT LINE.
11. ALL CONSTRUCTION INDICATED IS NEW UNLESS SPECIFICALLY DENOTED AS EXISTING.

STRUCTURAL DESIGN CRITERIA

- BUILDING CODE: 2022 CBC
ENFORCEMENT AGENCY: DIVISION OF THE STATE ARCHITECT (DSA)
A. VERTICAL DESIGN CRITERIA (UNLESS OTHERWISE SHOWN OR NOTED)
ROOF LIVE LOADS:
- TYP ROOF AREA 20 PSF (REDUCIBLE)
B. LATERAL DESIGN CRITERIA
SEISMIC SITE CRITERIA: SS=0.62, S1=27.2, SDS=0.54, S01=1.4, SITE CLASS: D (DEFAULT)
BUILDING CRITERIA:
SEISMIC:
- RISK CATEGORY= II
- IMPORTANCE FACTOR: I=1.00
- SEISMIC DESIGN CATEGORY = D
- SEISMIC FORCE RESISTING SYSTEM: (E) LIGHT-FRAMED WOOD SHEAR WALLS
WIND:
BASIC DESIGN WIND SPEED, V(U1T) = 94 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, (V(ASD)) = 72 MPH
RISK CATEGORY = II
WIND EXPOSURE = C
GCP1 = +1.016
WIDTH OF PRESSURE COEFFICIENT ZONE, z = 3'-0"
COMPONENTS AND CLADDING WIND PRESSURES TO BE DETERMINED PER ASCE 7-16
C. SOIL DESIGN CRITERIA
SOIL INFO IS BASED ON GEOTECHNICAL REPORT REFERENCED ON SHEET S-1 OF DSA APP 02-26814
LOWRY & ASSOCIATES / 64-304
SPREAD FOUNDATIONS:
- ALLOWABLE BEARING PRESSURE:
DL = 2000 PSF
DL + LL = 3000 PSF
DL + LL + LATERAL = 4000 PSF
D. HAZARDS
FLOOD DESIGN DATA: N/A - PROJECT SITE DOES NOT OCCUR IN COMMUNITY FLOOD HAZARD REGION AND NOT SUBJECT TO GREATER THAN 1% CHANCE OF FLOODING IN ANY YEAR.

PROJECT DIRECTORY

Table listing project details for the Structural Engineer, Civil Engineer, Mechanical Engineer, Pool Engineer, and Electrical Engineer, including contact information and firm names.

STRUCTURAL SHEET INDEX

Table showing the structural sheet index with columns for sheet number, general notes, and sheet name.

Professional Engineer identification stamp for Lucas A. Jolly, State of California, No. S5155, dated 05/09/2024.



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P 916.558.1900
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11020 SUN CENTER DR.
RANCHO CORDOVA, CA 95670
CONTACT: SETH NISBET
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SACRAMENTO, CA 95818
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PHONE: 916.558.1900
EMAIL: JENNIFER.QUIGLEY@LIONAKIS.COM

Professional Engineer identification stamp for Lucas A. Jolly, State of California, No. S5155, dated 05/09/2024.

PROJECT
JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE
6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

Table with columns: MARK, DATE, DESCRIPTION. Shows dates 02/29/2024 and 04/30/2024 with descriptions DSA SUBMITTAL and DSA APPROVAL.

Table with columns: LIONAKIS PROJECT NO., CLIENT PROJECT NO., COPYRIGHT. Values: 023264, LIONAKIS 2017.

TITLE
GENERAL NOTES
SHEET
S-001

IF THIS SHEET IS NOT 34" x 42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY
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ADHESIVE ANCHORS IN CONCRETE

S: 066000 N05A
190816 02

- REFERENCES TO "EPOXY" OR "CHEMICAL" ANCHORS EMBEDDED IN CONCRETE SHALL REFER TO THESE NOTES.
- ACCEPTABLE ADHESIVE PRODUCTS ARE:
 - "HILTI" HIT-RE 500 V3 (ICC ESR-3814)
 - "HILTI" HIT-HY 200 AIR V3 (ICC ESR-4868)
 - "SIMPSON" SET-3G (ICC ESR-4057)
 - "SIMPSON" AT-XP (IAPMO ER-283)
 - "DEWALT" PURE 110+ (ICC ESR-3298)
 - "DEWALT" AC208+ (GALD) (ICC ESR-4427)
- THREADED ROD AND REBAR USED W/ ADHESIVE ANCHORS SHALL MEET THE REQUIREMENTS OF THE EVALUATION AGENCY REPORT.
- EMBEDMENT DEPTHS SHALL BE 8 TIMES THE NOMINAL DIAMETER OF ANCHOR, UNO.
- CONCRETE SHALL MEET THE SPECIFIED DESIGN STRENGTH PRIOR TO INSTALLATION, AND SHALL HAVE A MINIMUM AGE OF 21 DAYS, UNO.
- TEST LOADS SHALL BE AS INDICATED IN DRAWINGS. IF NO TEST LOAD IS SPECIFIED, TEST LOAD SHALL BE 1000 LBS.

SCREW ANCHORS IN CONCRETE

S: 066000 N05A
210816 02

- EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW. TYP UNO. ALL EMBEDMENTS SPECIFIED ARE NOMINAL EMBEDMENT DEPTHS REQUIRED.

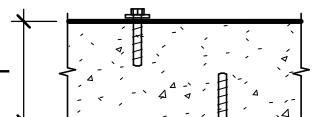
| "HILTI" KWIK HUS-EZ (KH-EZ) / KWIK HUS-EZ1 (KH-EZ1) INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (F _c = 3000 PSI MIN) (ICC REPORT ESR 3027) | | | | | | |
|---|--------|--------|--------|------|--------|--|
| GENERAL CONCRETE | | | | | | |
| ANCHOR DIA | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | |
| STD EMBED, Hnom TYP UNO | 1 5/8" | 1 5/8" | 3" | 5" | 6 1/4" | |
| MIN CONC THICKNESS, T | 3 1/4" | 3 1/4" | 4 3/4" | 7" | 8 1/4" | |
| MAX INSTALLATION TORQUE (LB-FT) | 18 | 40 | 45 | 85 | 95 | |
| TORQUE TEST LOAD (LB-FT) | 9 | 20 | 23 | 43 | 58 | |

"SIMPSON" TITEN HD INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (F_c = 3000 PSI MIN) (ICC REPORT ESR 2713)

| GENERAL CONCRETE | | | | | | |
|---------------------------------|--------|--------|--------|------|--------|--|
| ANCHOR DIA | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | |
| STD EMBED, Hnom TYP UNO | 1 5/8" | 2 1/2" | 3 1/4" | 4" | 5 1/2" | |
| MIN CONC THICKNESS, T | 3 1/4" | 4" | 5" | 6" | 8 3/4" | |
| MAX INSTALLATION TORQUE (LB-FT) | 24 | 50 | 65 | 100 | 150 | |
| TORQUE TEST LOAD (LB-FT) | 12 | 25 | 33 | 50 | 75 | |

"DEWALT" SCREWBOLT+ INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (F_c = 3000 PSI MIN) (ICC REPORT ESR 3869)

| GENERAL CONCRETE | | | | | | |
|---------------------------------|--------|--------|--------|------|--------|--|
| ANCHOR DIA | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | |
| STD EMBED, Hnom TYP UNO | 1 5/8" | 2" | 3" | 4" | 4 1/4" | |
| MIN CONC THICKNESS, T | 3 1/4" | 3 1/2" | 5 1/4" | 6" | 6" | |
| MAX INSTALLATION TORQUE (LB-FT) | 19 | 25 | 45 | 60 | 70 | |
| TORQUE TEST LOAD (LB-FT) | 9 | 12 | 25 | 30 | 35 | |



GENERAL CONC

EXPANSION ANCHORS IN CONCRETE

S: 066000 N05A
210729 02

- EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW. TYP UNO. ALL EMBEDMENTS SPECIFIED ARE NOMINAL EMBEDMENT DEPTHS. REFER TO EVALUATION AGENCY REPORT FOR EFFECTIVE EMBEDMENTS.

| "HILTI" KWIK BOLT-TZ2 INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (F _c = 3000 PSI MIN) (ICC REPORT ESR 4266) | | | | | | |
|---|--------|--------|--------|--------|--------|--|
| GENERAL CONCRETE | | | | | | |
| ANCHOR DIA | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | |
| STD EMBED, Hnom TYP UNO | 1 3/4" | 2 1/2" | 3 3/4" | 4 1/2" | 5 1/2" | |
| MIN CONC THICKNESS, T | 3 1/4" | 4" | 5 1/2" | 6" | 8" | |
| CARBON STEEL TORQUE TEST LOAD (LB-FT) | 4 | 30 | 50 | 40 | 110 | |
| STAINLESS STEEL TORQUE TEST LOAD (LB-FT) | 6 | 30 | 40 | 60 | 125 | |

"SIMPSON" STRONG-BOLT 2 INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (F_c = 3000 PSI MIN) (ICC REPORT ESR 3037)

| GENERAL CONCRETE | | | | | | |
|--------------------------|--------|--------|--------|--------|--------|--|
| ANCHOR DIA | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | |
| STD EMBED, Hnom TYP UNO | 1 3/4" | 1 7/8" | 3 7/8" | 3 3/8" | 4 1/8" | |
| MIN CONC THICKNESS, T | 3 1/4" | 3 1/4" | 6" | 5 1/2" | 6 3/4" | |
| TORQUE TEST LOAD (LB-FT) | 4 | 30 | 60 | 90 | 150 | |

"DEWALT" POWER-STUD+ SD2 INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (F_c = 3000 PSI MIN) (ICC REPORT ESR 2502)

| GENERAL CONCRETE | | | | | | |
|--------------------------|--------|--------|--------|--------|--|--|
| ANCHOR DIA | 3/8" | 1/2" | 5/8" | 3/4" | | |
| STD EMBED, Hnom TYP UNO | 2 3/8" | 3 3/4" | 4 7/8" | 5 3/4" | | |
| MIN CONC THICKNESS, T | 4" | 5 3/4" | 6 1/2" | 10" | | |
| TORQUE TEST LOAD (LB-FT) | 20 | 40 | 60 | 110 | | |



GENERAL CONC

POST INSTALLED ANCHORS

S: 066000 N05A
170729 02

THESE NOTES SHALL APPLY TO THE INSTALLATION, INSPECTION, AND TESTING OF EXPANSION, ADHESIVE, AND SCREW ANCHORS. USE SPECIFIC PRODUCTS WHERE INDICATED. IF A SPECIFIC PRODUCT / MANUFACTURER IS NOT NOTED, SELECT ANCHOR FROM THE PROVIDED TABLES BASED ON ANCHOR TYPE, DIAMETER AND BASE MATERIAL. POST-INSTALLED ANCHORS / REINFORCING ARE NOT PERMITTED TO REPLACE CAST-IN ANCHORS/REINFORCING UNLESS SPECIFICALLY NOTED.

- INSTALLATION**
- INSTALL PER REQUIREMENTS OF THE EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS FOR THE SPECIFIC ANCHOR.
 - INSTALLATION OF ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS RESISTING SUSTAINED TENSION LOADS (AS SPECIFICALLY NOTED ON DETAILS) SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE A WRITTEN TEST AND PERFORMANCE TEST IN ACCORDANCE WITH THE ANCHOR'S ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT. CERTIFICATION PROGRAM SHALL BE SUBMITTED TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
 - ANCHOR INSTALLATION SHALL MEET THE MINIMUM EMBEDMENT, EDGE DISTANCE, SPACING, AND BASE MATERIAL THICKNESS CRITERIA ESTABLISHED BY THE RELEVANT EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
 - ANCHOR INSTALLATION & CURE TEMPERATURES SHALL FOLLOW EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
 - WHEN INSTALLING ANCHORS IN CONCRETE OR MASONRY, DO NOT DAMAGE REINFORCING (REBAR AND/OR PRE/TENSIONED STRANDS). LOCATE ALL REINFORCING AT AFFECTED AREAS USING NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING ANCHORS. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN THE REINFORCEMENT AND THE ANCHOR.

INSPECTION

- PROVIDE SPECIAL INSPECTION AS REQUIRED BY THE EVALUATION AGENCY REPORT AND ENFORCEMENT AGENCY, WHERE EVALUATION AGENCY REPORT PERMITS EITHER PERIODIC OR CONTINUOUS INSPECTION, USE CONTINUOUS.

- ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS RESISTING SUSTAINED TENSION LOADS (AS SPECIFICALLY NOTED ON DETAILS) SHALL BE CONTINUOUSLY INSPECTED BY AN INSPECTOR SPECIALLY APPROVED FOR THAT PURPOSE BY THE ENFORCEMENT AGENCY.

TESTING

- TEST ANCHORS IN ACCORDANCE WITH THE EVALUATION AGENCY REPORT AND ENFORCEMENT AGENCY REQUIREMENTS FOR THE SPECIFIC ANCHOR AND IN ACCORDANCE WITH THE FREQUENCIES AND TEST METHODS LISTED BELOW.

- TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY AND STRUCTURAL ENGINEER.

- REACTION LOADS FROM TEST FIXTURE(S) MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED BY THE FIXTURE(S) FROM WITHDRAWING.

- TEST METHOD SHALL BE AS NOTED FOR SPECIFIC ANCHOR TYPES AND THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:

- HYDRAULIC RAM METHOD (TENSION TESTING):
 - THE ANCHOR SHALL MAINTAIN THE TEST LOAD FOR 15 SECONDS AND SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
 - TORQUE WRENCH METHOD (TORQUE TESTING):
 - THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:
 - ONE-HALF (1/2) TURN OF THE NUT, TYP UNO.
 - ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8" SLEEVE ANCHOR ONLY.
 - ONE-QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD FOR SCREW ANCHORS.

- TESTING FREQUENCIES SHALL BE AS INDICATED IN THE TABLE BELOW. WHEN MULTIPLE ANCHORS ARE USED IN A SINGLE GROUP OR CONNECTION, THE PERCENT OF ANCHORS TESTED AT EACH LOCATION SHALL BE AS INDICATED BELOW.

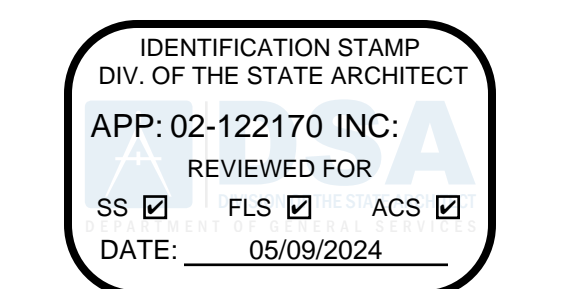
- IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN THE INITIAL TESTING FREQUENCY SHALL BE RESUMED.

| TESTING FREQUENCY | |
|--|------------------------|
| APPLICATION | PERCENT OF ALL ANCHORS |
| SILL PLATE BOLTING AND REBAR AT SLAB ON GRADE, UNO | 10 PERCENT |
| STRUCTURAL EXCLUDING SILL PLATE BOLTING | 100 PERCENT |
| NON-STRUCTURAL INCLUDING EQUIPMENT ANCHORAGE | 50 PERCENT |

POWER ACTUATED FASTENERS

S: 066000 N05A
190225 02

- POWER ACTUATED FASTENERS SHALL BE "HILTI" X-U (ICC ESR 2269), "SIMPSON" PDPA (ICC ESR 2138), OR "DEWALT" POWER DRIVEN FASTENERS (ICC ESR 2024), TYP UNO.
- INSTALLATION OF FASTENERS SHALL BE IN ACCORDANCE WITH THE EVALUATION AGENCY REPORT. INSTALL FASTENERS WITH SUFFICIENT EDGE DISTANCE AND SPACING TO ACHIEVE FULL CAPACITY, UNO.
- FASTENERS TO CONCRETE OR MASONRY SHALL HAVE 1" MIN EMBEDMENT (1 1/4" MIN FOR "SIMPSON" PDPA IN MASONRY), TYP UNO.
- FASTENERS TO STRUCTURAL STEEL SHALL HAVE MIN EMBEDMENT TO STEEL PER MANUFACTURER, TYP UNO.
- FASTENERS MAY NOT BE USED FOR TENSION LOADS EXCEPT FOR THE FOLLOW CONDITIONS:
 - VERTICAL SUSPENSION WIRES FOR ACOUSTICAL TILE OR LAY-IN CEILINGS
 - VERTICAL SUPPORTS OF MECH DUCTS, CONDUITS, ETC WHERE THE SERVICE LOAD ON EACH ANCHOR DOES NOT EXCEED 90 LBS FOR FASTENERS IN CONCRETE OR 250 LBS FOR FASTENERS IN STRUCTURAL STEEL.
 - FASTENERS ARE NOT PERMITTED AT SEISMIC BRACING ATTACHMENTS.
- WHEN INSTALLING FASTENERS IN PRE/POST-TENSIONED CONCRETE DO NOT DAMAGE STRANDS. LOCATE STRANDS AT AFFECTED AREAS USING NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING FASTENERS. MAINTAIN A MINIMUM CLEARANCE OF 2" BETWEEN THE STRANDS AND THE FASTENERS.
- THE OPERATOR, TOOL, & FASTENER SHALL BE PRE-QUALIFIED BY THE PROJECT INSPECTOR WHO SHALL OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. THEREAFTER, RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE TO APPROXIMATELY 1 IN 10 PINS. IF ANY PIN FAILS, TEST ALL PINS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE PASS, THEN RESUME THE INITIAL TESTING FREQUENCY.
- TENSION TEST LOAD SHALL BE 1 1/4 TIMES THE NOMINAL TENSION CAPACITY OR 2 TIMES THE ALLOWABLE TENSION CAPACITY LISTED IN THE EVALUATION AGENCY REPORT.
- TEST LOAD SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN.
- TESTING IS NOT REQUIRED FOR STEEL-TO-STEEL CONNECTIONS OR FASTENERS USED AT SILLS OF INTERIOR NON-STRUCTURAL WALLS PROVIDED THERE ARE A MINIMUM OF (3) FASTENERS PER SEGMENT OF SILL.
- A REPORT OF TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY AND STRUCTURAL ENGINEER.



LIONAKIS

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CONSULTANT

SEAL



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

| ISSUED | | |
|--------|------------|---------------|
| MARK | DATE | DESCRIPTION |
| | 02/29/2024 | DSA SUBMITTAL |
| | 04/30/2024 | DSA APPROVAL |

| MANAGEMENT | |
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| CLIENT PROJECT NO. | |
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TITLE
TYPICAL NOTES

SHEET
S-012

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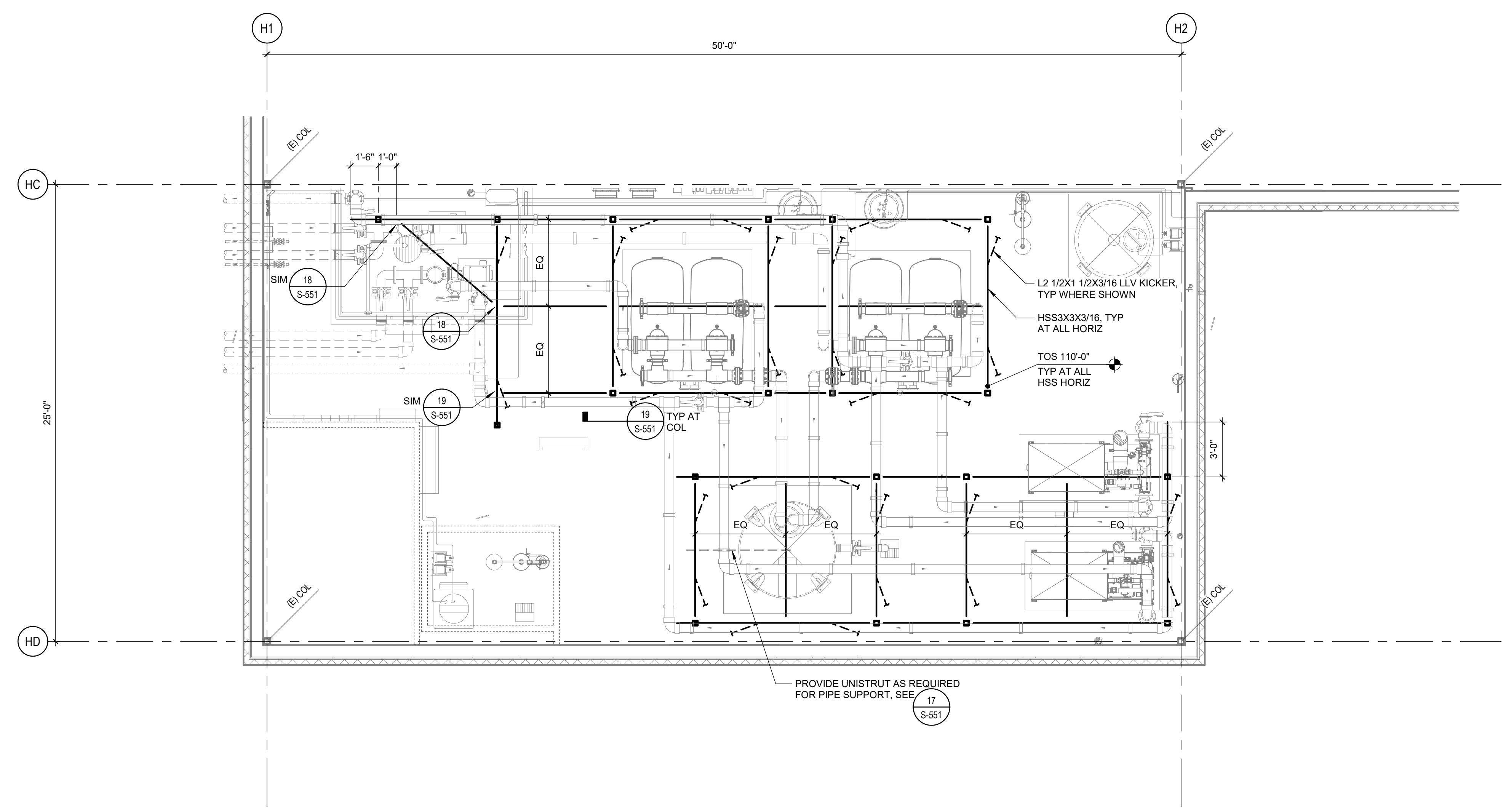
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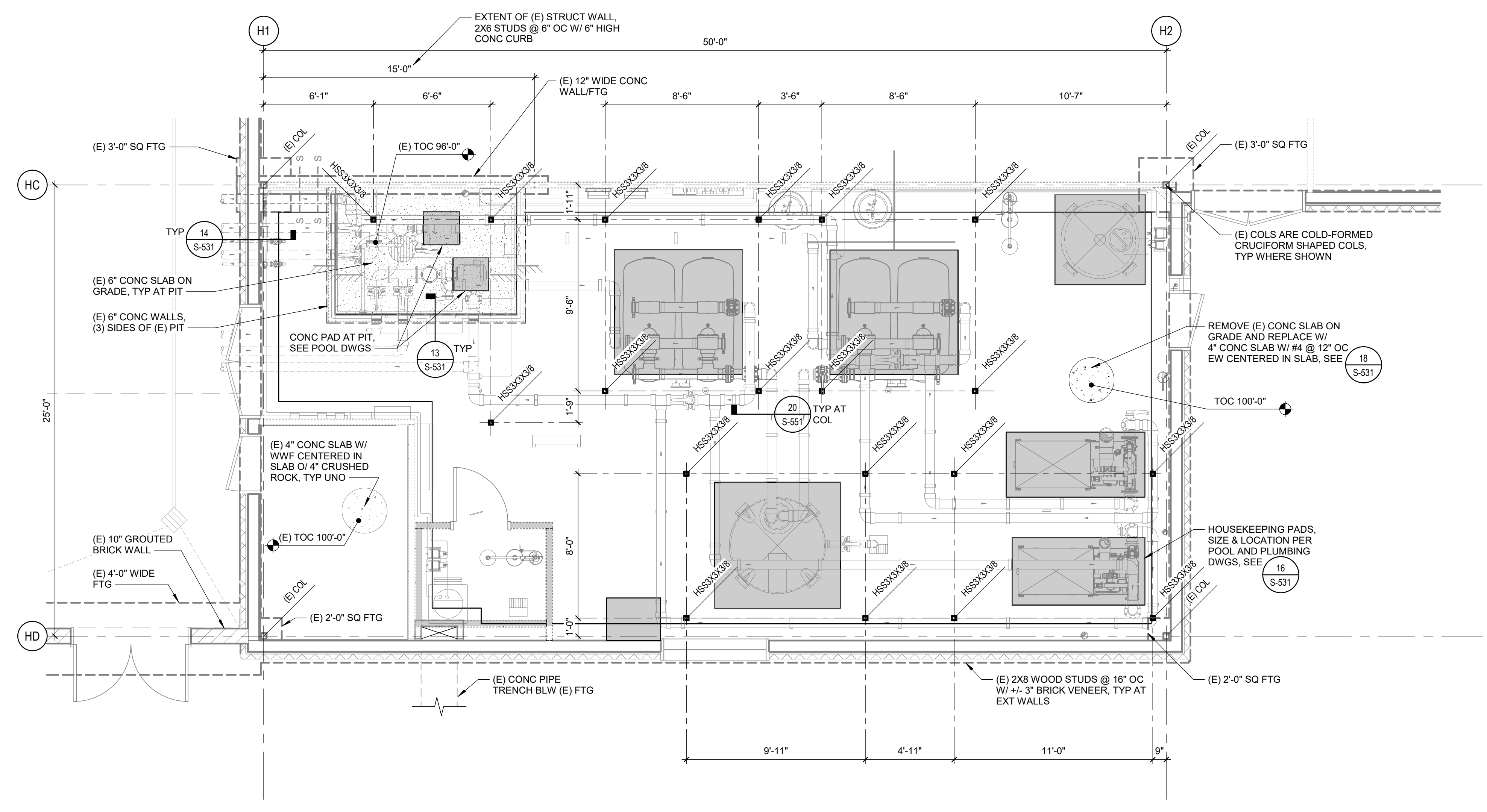
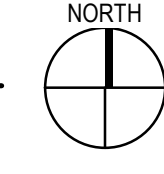
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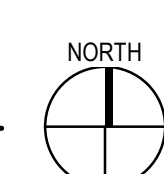


PIPE RACK NOTES:
 1. PIPE RACK DESIGNED TO SUPPORT 10 PSF OVER ENTIRE RACK AREA. SEE DETAILS FOR SPECIFIC LOADING CRITERIA AT INDIVIDUAL SUPPORT LOCATIONS
 2. SEISMIC DESIGN CRITERIA: $F_p = 0.18W_p$ ($h_z = 0, a_p = 2.5, R_p = 3.0, \Omega = 2.0$)
 3. ALL FRAMING AT PIPE RACKS TO BE HOT-DIPPED GALVANIZED

1 PARTIAL PLAN - PIPE RACK FRAMING
 SCALE 1/4" = 1'-0"



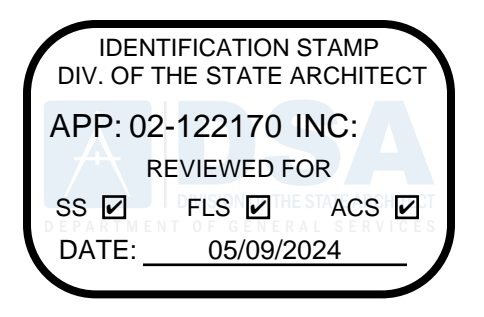
2 PARTIAL PLAN - FOUNDATION
 SCALE 1/4" = 1'-0"



NOTES

- SEE S-000 SERIES SHEETS FOR GENERAL NOTES & S-500 SERIES SHEETS FOR TYPICAL DETAILS.
- DIMENSIONS ARE TO FOS OR CENTERLINE OF COLUMNS/POSTS, UNO. SEE SECTIONS & DETAILS FOR FOC LOCATIONS RELATIVE TO FOS.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS.
- SEE ARCH & OTHER CONSULTANT DWGS FOR FLOOR PENETRATIONS NOT SHOWN. SAWCUT OR CORE DRILL CLEAN HOLES WITH NO OVERCUTTING. COMPLY WITH TYPICAL DETAILS.
- EXTERIOR CONCRETE FLATWORK IS NOT SHOWN, SEE CIVIL & POOL DWGS.

170828_02



LIONAKIS

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CONSULTANT

SEAL



PROJECT
JOHN F KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADE

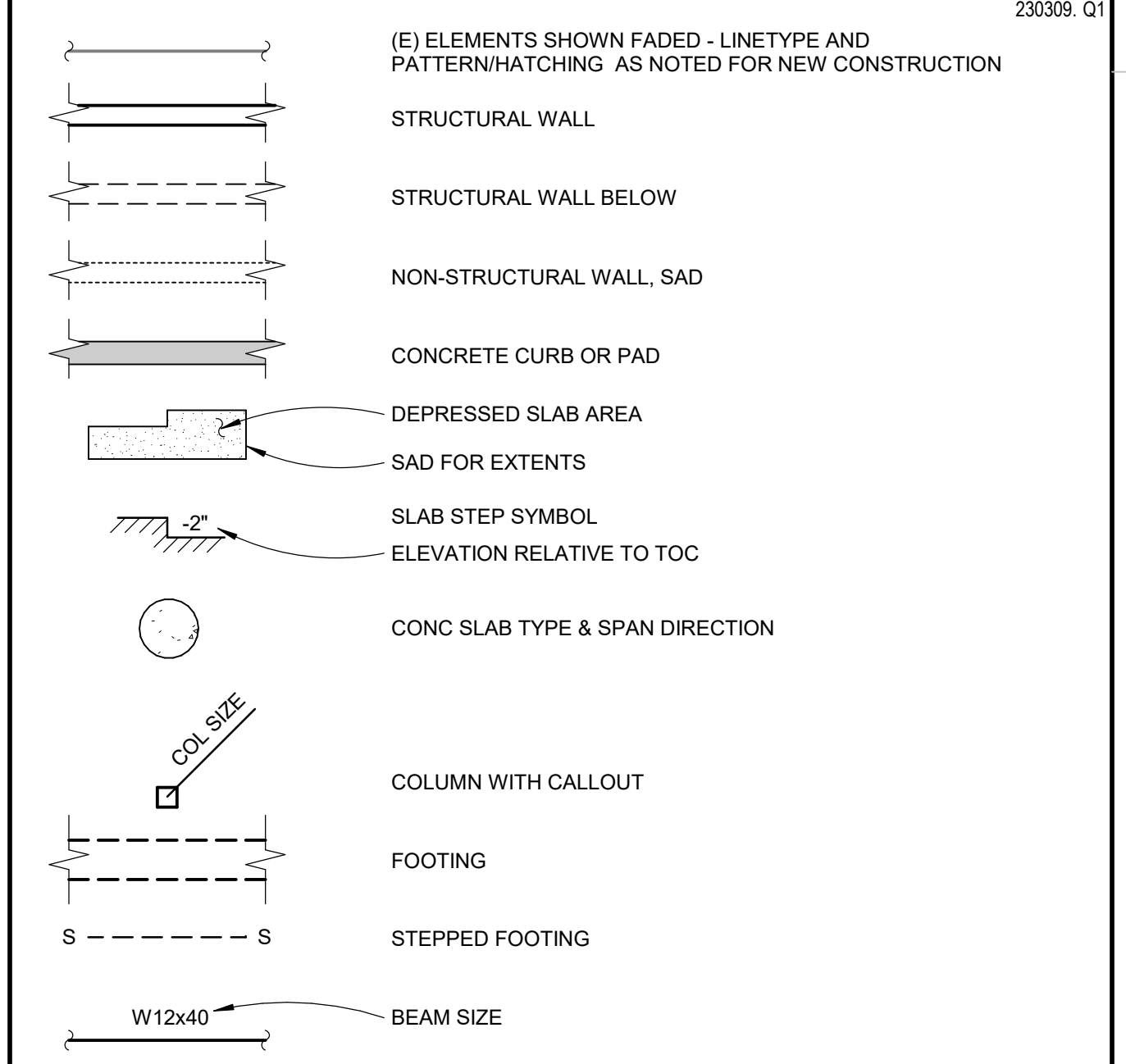
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| | 04/30/2024 | DSA APPROVAL |

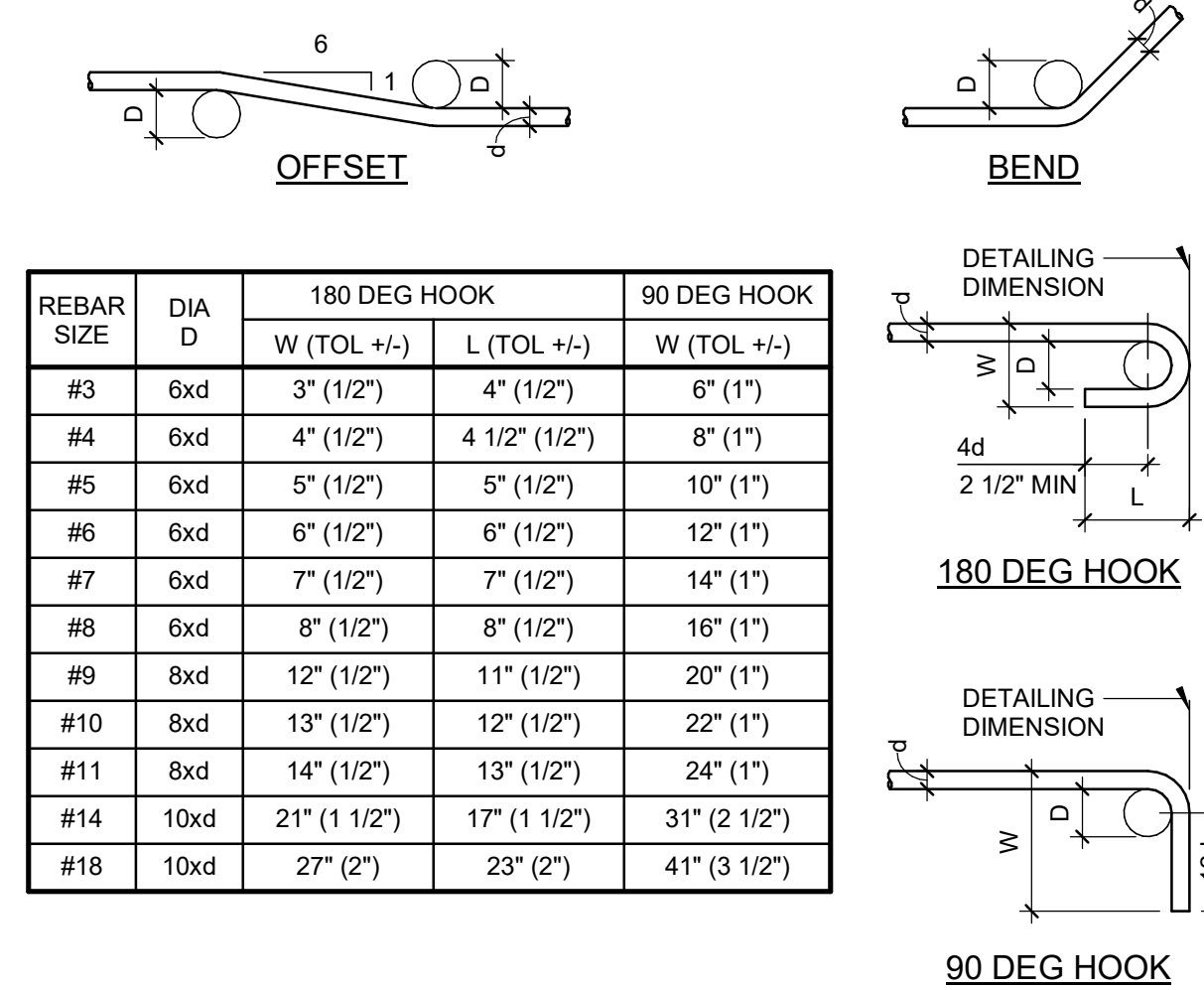
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LEGEND



TITLE
PARTIAL FOUNDATION & CEILING FRAMING PLANS

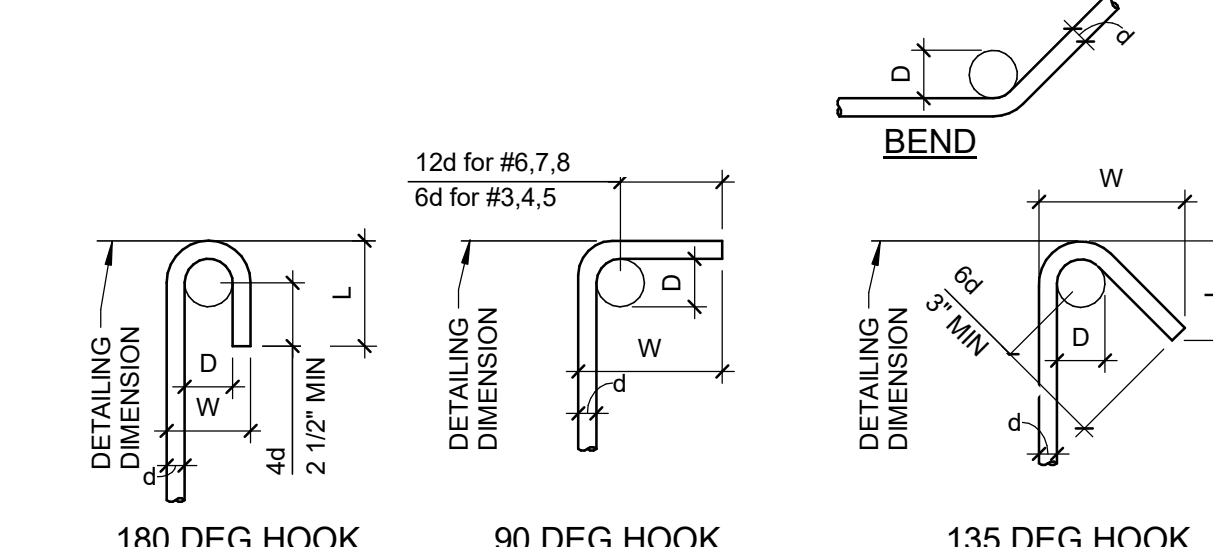
SHEET
S-111



NOTES:
 1. D = MINIMUM FINISHED INSIDE BEND DIA, d = NOMINAL REBAR DIAMETER
 2. TOL = TOLERANCE (PER ACI 117)

1 TYP REBAR BENDS AND HOOKS
 SCALE: NTS S-032000, T001A 140127

| REBAR SIZE | DIA D | 180 DEG HOOK | | 90 DEG HOOK | | 135 DEG HOOK | |
|------------|-------|---------------|---------------|-------------|-------------|---------------|---------------|
| | | W (TOL +/-) | L (TOL +/-) | W (TOL +/-) | L (TOL +/-) | W (TOL +/-) | L (TOL +/-) |
| #3 | 4xd | 2 1/4" (1/2") | 3 3/4" (1/2") | 3 1/2" (1") | 4" (1/2") | 3" (1/2") | 3" (1/2") |
| #4 | 4xd | 3" (1/2") | 4" (1/2") | 4 1/2" (1") | 5" (1/2") | 3" (1/2") | 3" (1/2") |
| #5 | 4xd | 3 3/4" (1/2") | 4 1/2" (1/2") | 5 3/4" (1") | 6" (1/2") | 4" (1/2") | 4" (1/2") |
| #6 | 6xd | 6" (1/2") | 6" (1/2") | 12" (1") | 9" (1/2") | 5 1/4" (1/2") | 5 1/4" (1/2") |
| #7 | 6xd | 7" (1/2") | 7" (1/2") | 14" (1") | 10" (1/2") | 6" (1/2") | 6" (1/2") |
| #8 | 6xd | 8" (1/2") | 8" (1/2") | 16" (1") | 11" (1/2") | 7" (1/2") | 7" (1/2") |



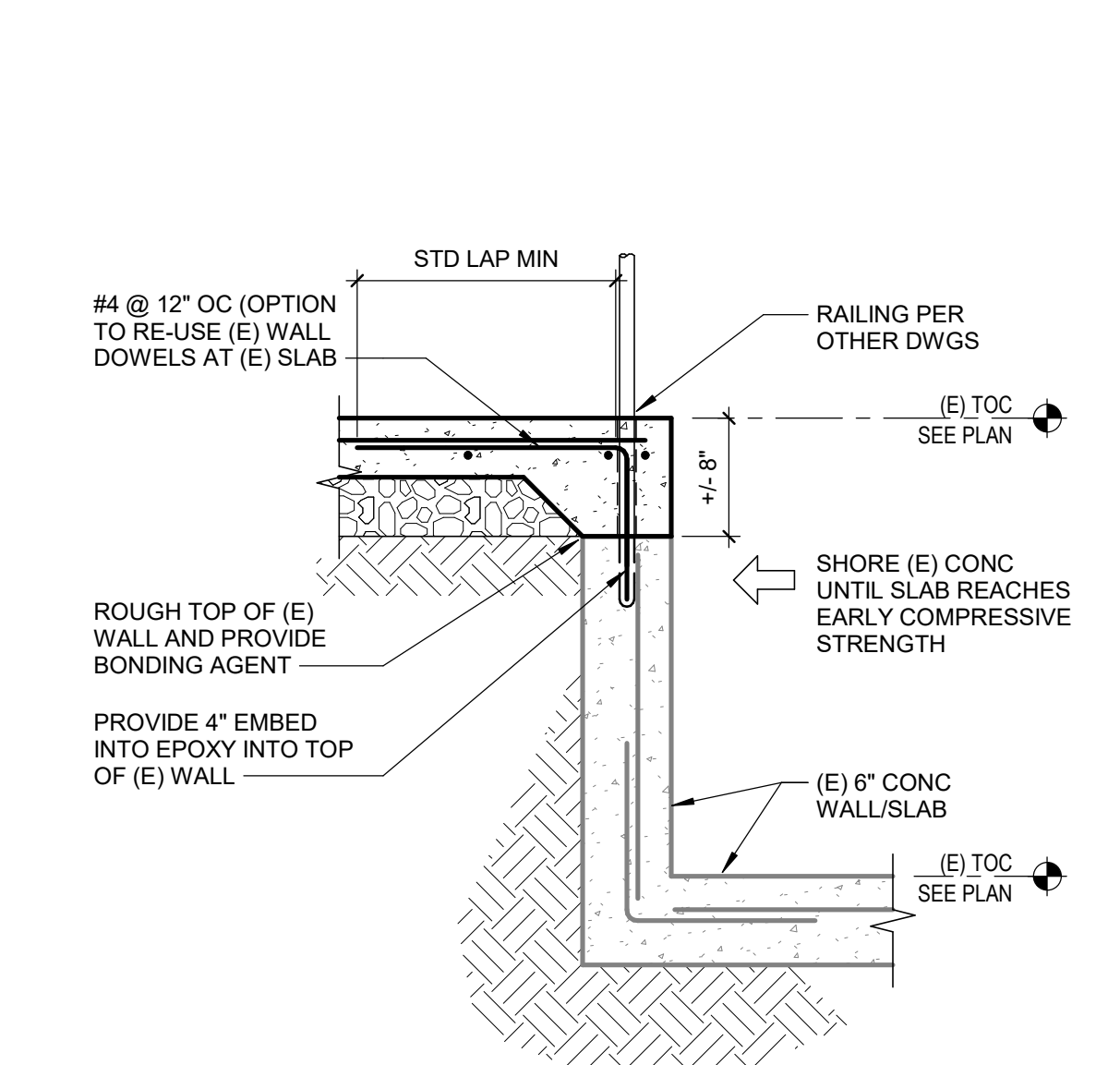
NOTES:
 1. D = MINIMUM FINISHED INSIDE BEND DIA, d = NOMINAL REBAR DIAMETER
 2. TOL = TOLERANCE (PER ACI 117)

2 TYP REBAR HOOP, STIRRUP, TIE HOOKS & BENDS
 SCALE: NTS S-032000, T002A 140127

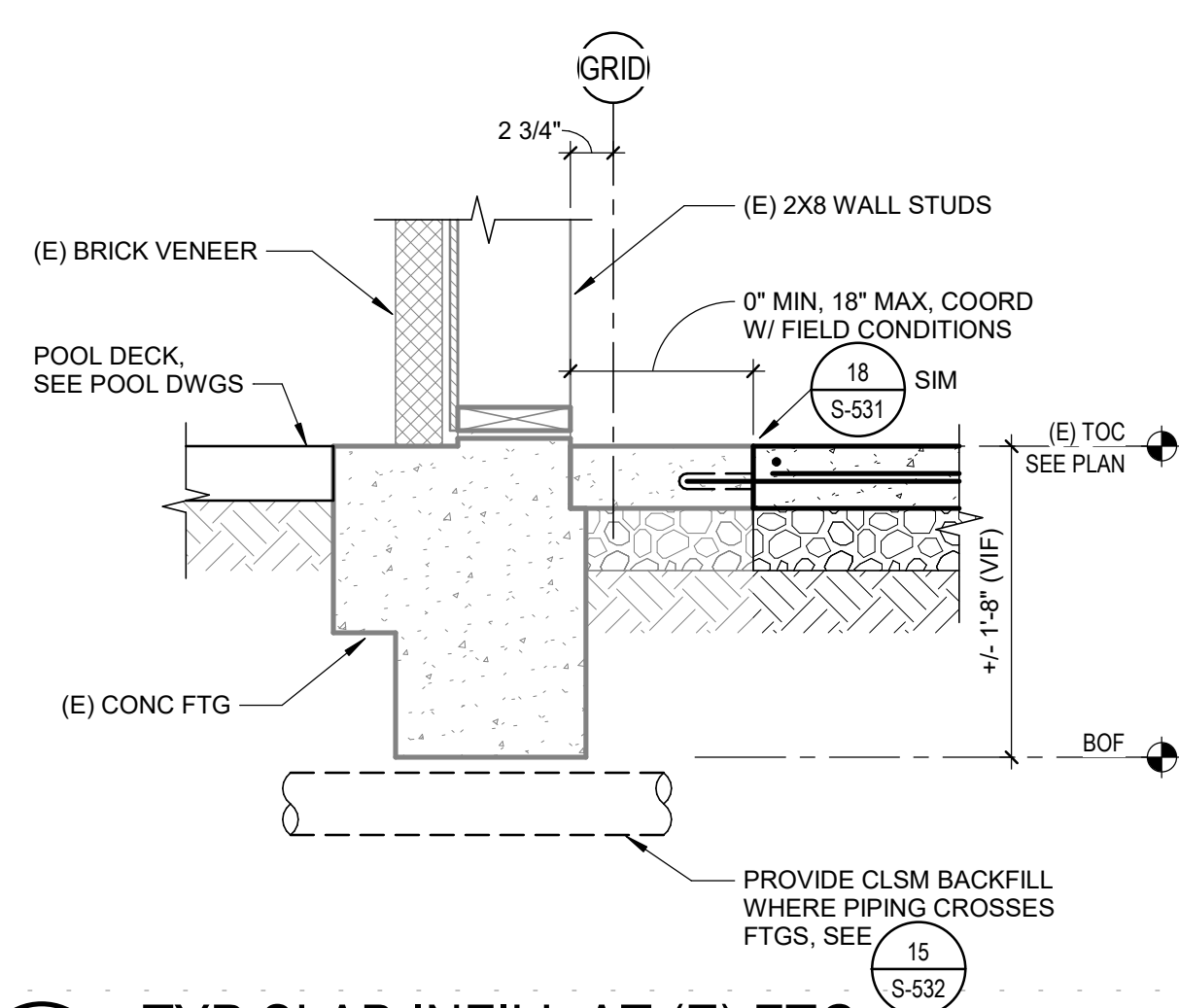
| F _c (psi) | #3 | | #4 | | #5 | | #6 | | #7 | | #8 | | #9 | | #10 | | #11 | |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC | NWC |
| 3,000 | TOP | 28 | 38 | 47 | 56 | 81 | 93 | 105 | 118 | 131 | | | | | | | | |
| | BOT | 22 | 29 | 36 | 43 | 63 | 72 | 81 | 91 | 101 | | | | | | | | |

NOTES:
 1. ALL LAP SPLICES SHALL BE FULL CONTACT SPLICES, UNO.
 2. ADJACENT REINFORCING BEING LAP SPICED MUST MEET ONE OF THE FOLLOWING CONDITIONS:
 A. CASE 1: THE CLEAR SPACING OF THE BARS IS NOT LESS THAN ONE BAR DIAMETER, CLEAR COVER IS NOT LESS THAN ONE BAR DIAMETER, AND STIRRUPS OR TIES THROUGHOUT THE SPLICE LENGTH.
 B. CASE 2: THE CLEAR SPACING OF THE BARS IS NOT LESS THAN TWO BAR DIAMETERS AND THE CLEAR COVER IS NOT LESS THAN ONE BAR DIAMETER.
 C. FOR ALL OTHER CASES, MULTIPLY THE SPLICES SHOWN BY 1.5.
 3. THE ABOVE VALUES ARE FOR UNCOATED REINFORCEMENT, GRADE 60 REBAR, CLASS B.
 4. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF NEW CONCRETE PLACED BELOW THE BAR. BOTTOM BARS ARE ALL OTHER HORIZONTAL OR VERTICAL REINFORCEMENT.

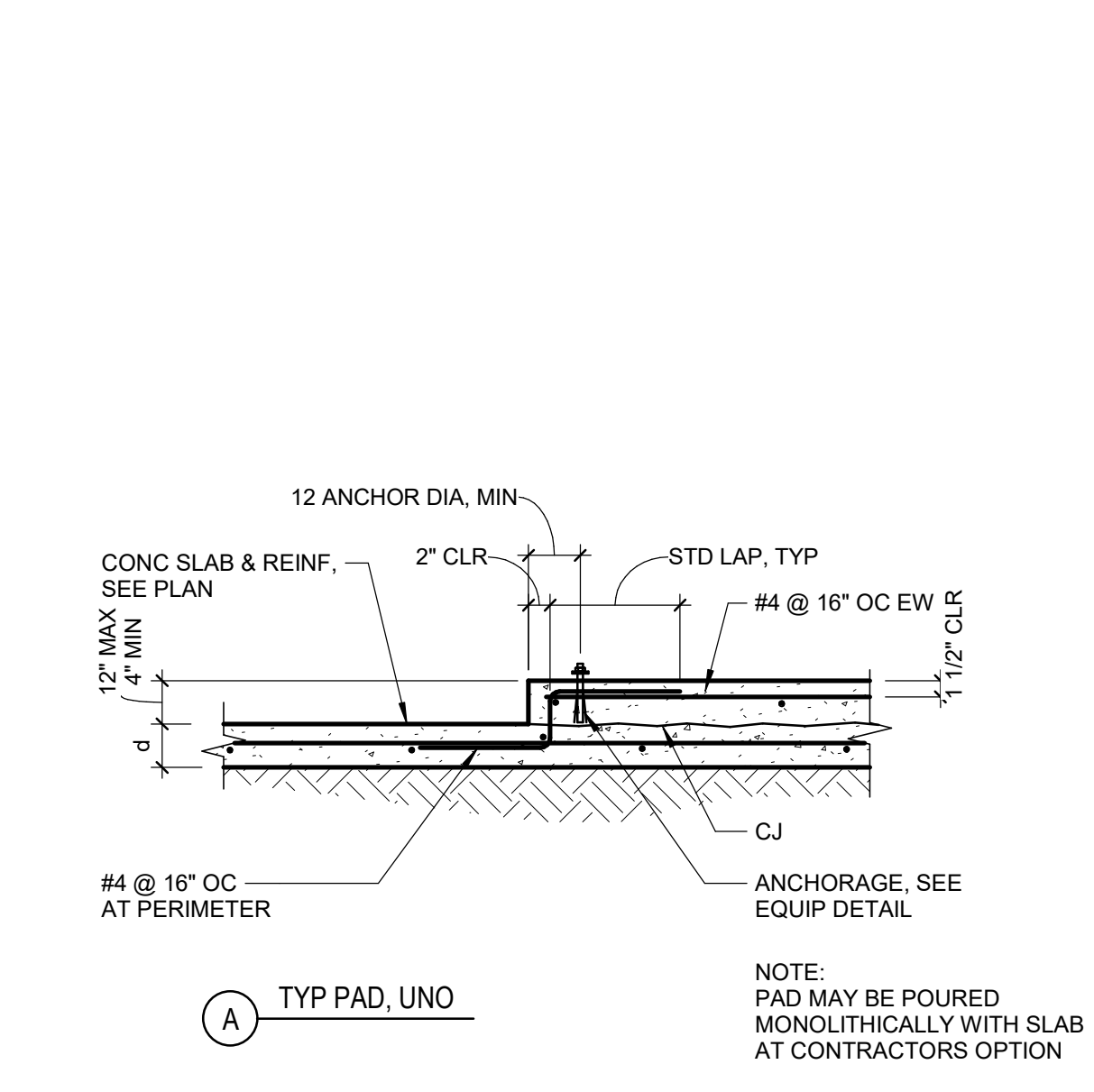
3 TYP CONCRETE REBAR LAP SPLICE LENGTHS (INCHES)
 SCALE: NTS S-032000, T003A 190526, Q2



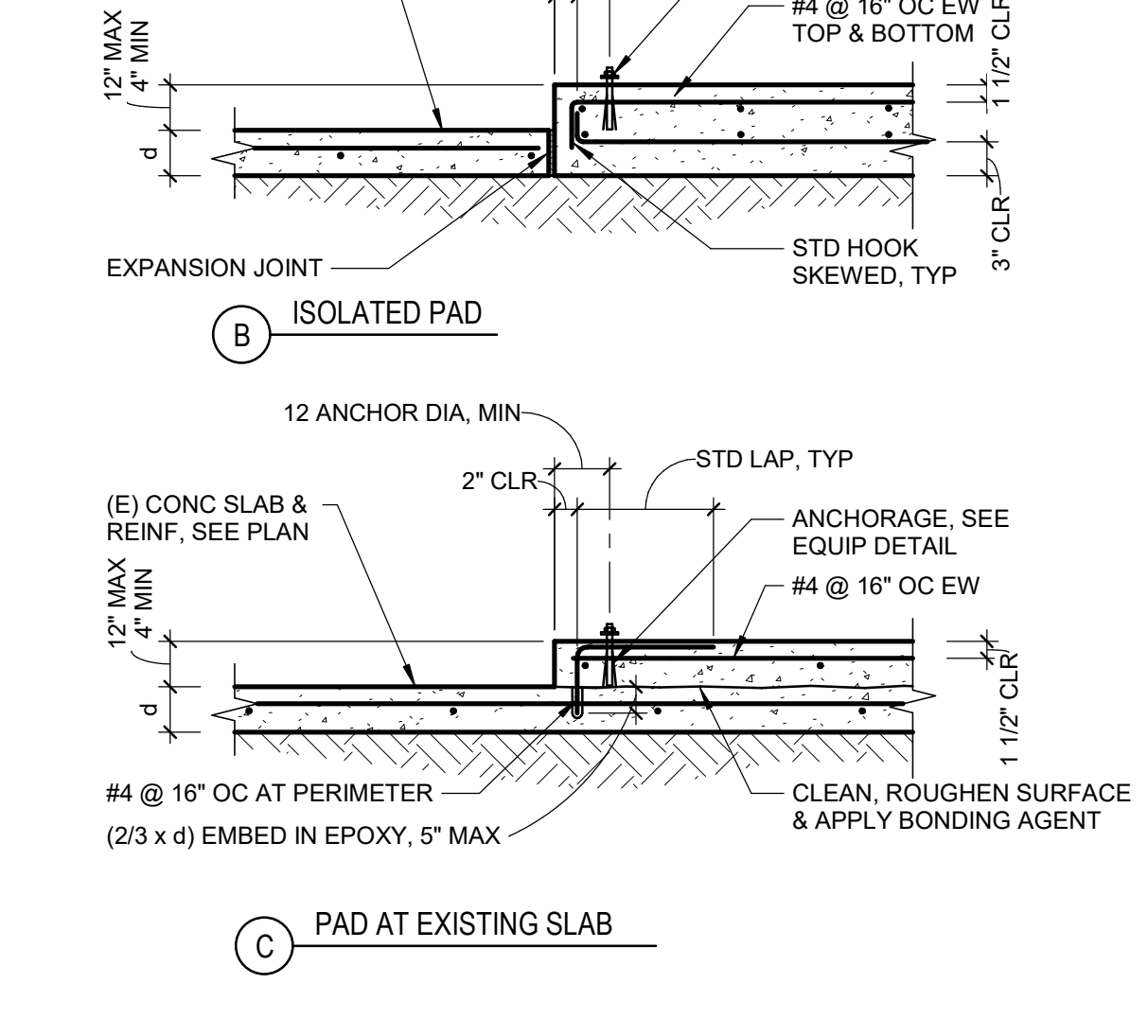
13 TYP SLAB INFILL AT (E) CONC PIT
 1" = 1'-0" Q1



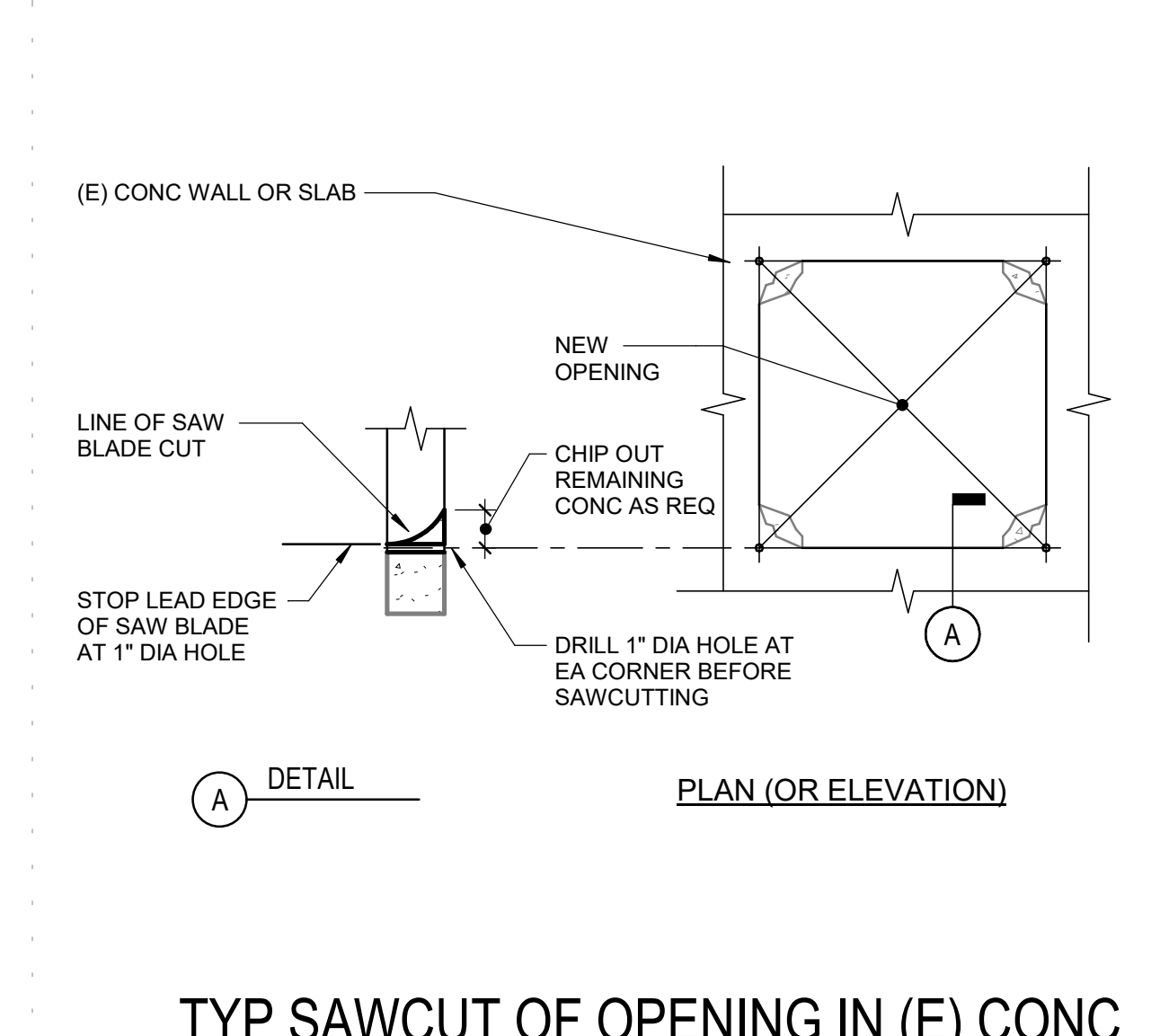
14 TYP SLAB INFILL AT (E) FTG
 1" = 1'-0" Q1



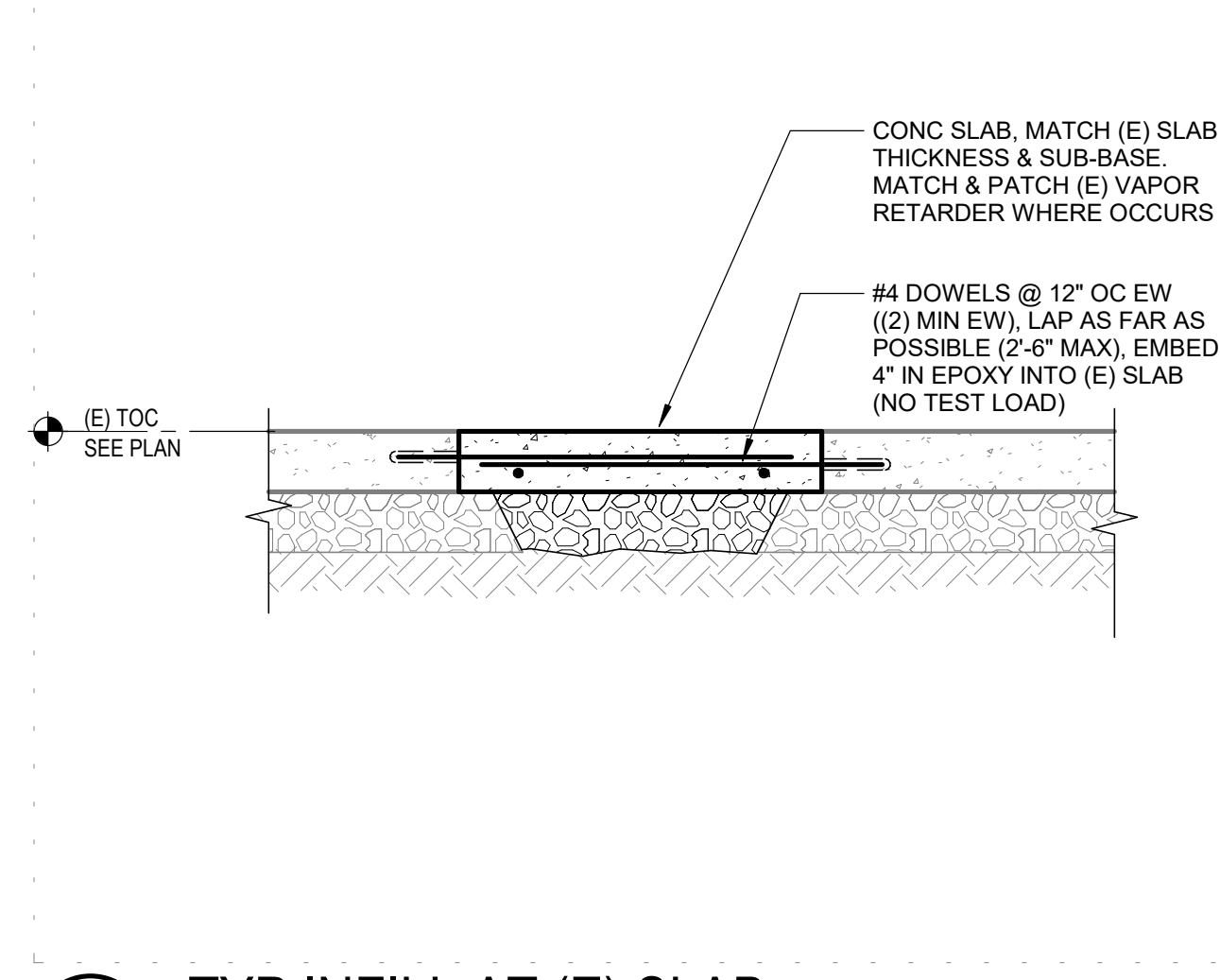
19 TYP CURB AT CONC SLAB
 SCALE: NTS S-033000, T009A 150107, Q2



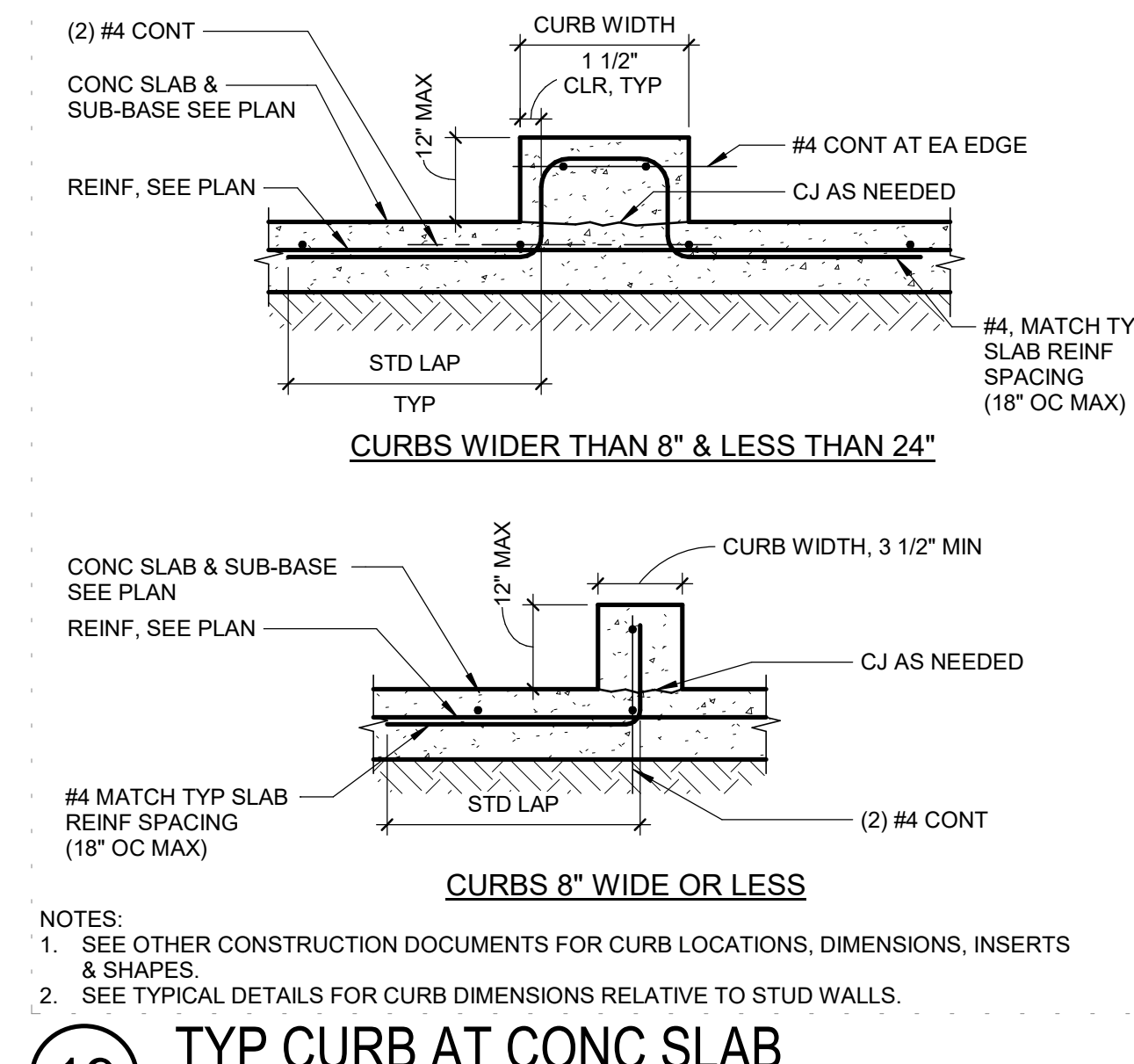
16 TYP HOUSEKEEPING PADS
 SCALE: NTS S-033000, T002A 140127



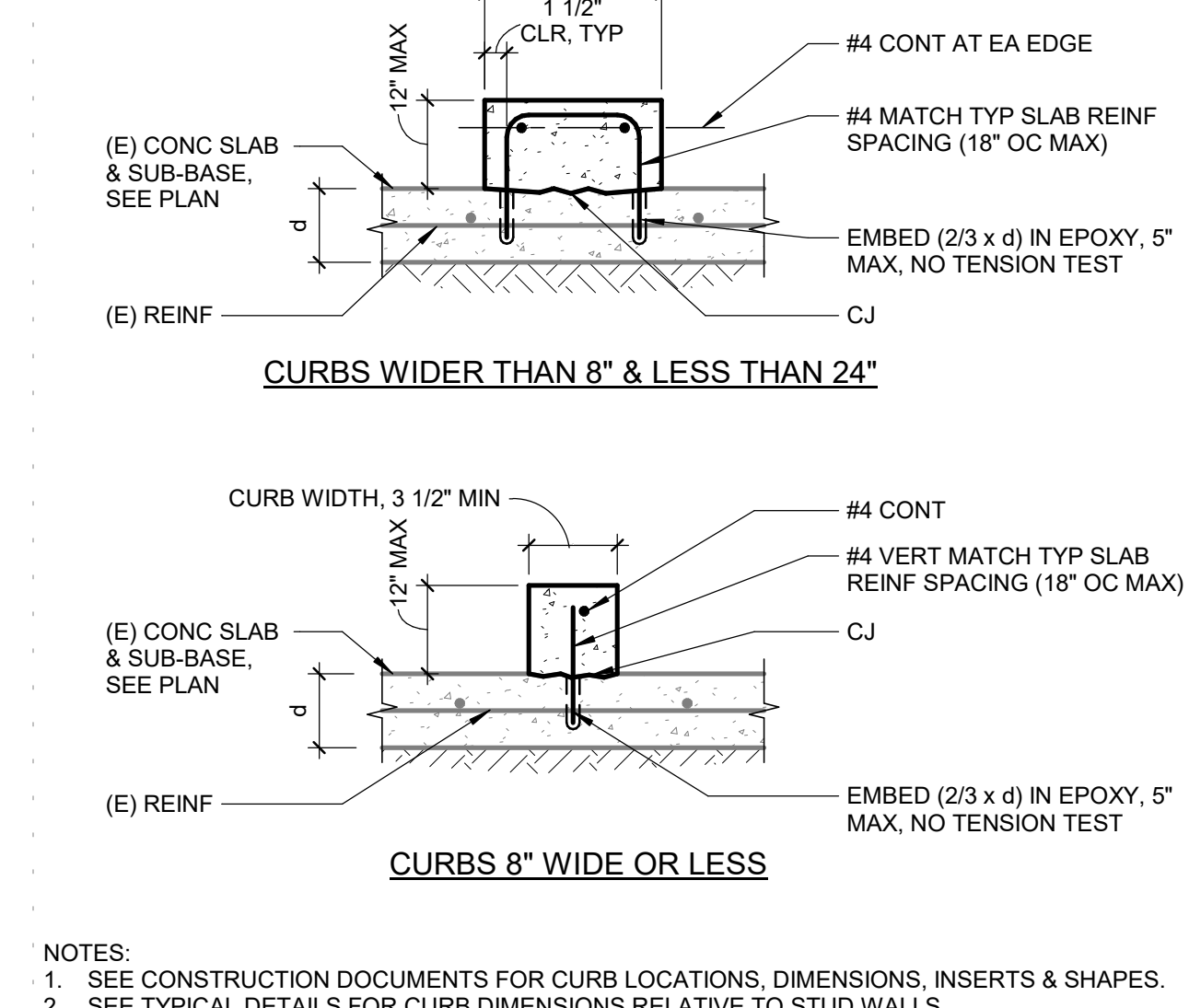
17 TYP SAWCUT OF OPENING IN (E) CONC SLAB / WALL
 SCALE: NTS S-033000, T005A 140127, Q2



18 TYP INFILL AT (E) SLAB
 SCALE: NTS S-033000, T003A 140728



19 TYP CURB AT (E) CONC SLAB
 SCALE: NTS S-033000, T007A 150107, Q2



20 TYP CURB AT (E) CONC SLAB
 SCALE: NTS S-033000, T007A 150107, Q2

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122170 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 05/09/2024

LIONAKIS

2025 Nineteenth Street
 Sacramento CA 95818
 P 916.558.1900
 www.lionakis.com

CONSULTANT

SEAL

PROJECT
JOHN F KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADE

6715 GLORIA DR
 SACRAMENTO, CA 95831

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

ISSUED

| MARK | DATE | DESCRIPTION |
|------|------------|---------------|
| | 02/29/2024 | DSA SUBMITTAL |
| | 04/30/2024 | DSA APPROVAL |

MANAGEMENT
 LIONAKIS PROJECT NO: 023264
 CLIENT PROJECT NO:
 COPYRIGHT: LIONAKIS 2017

TITLE
DETAILS - TYPICAL CONCRETE

SHEET
S-531

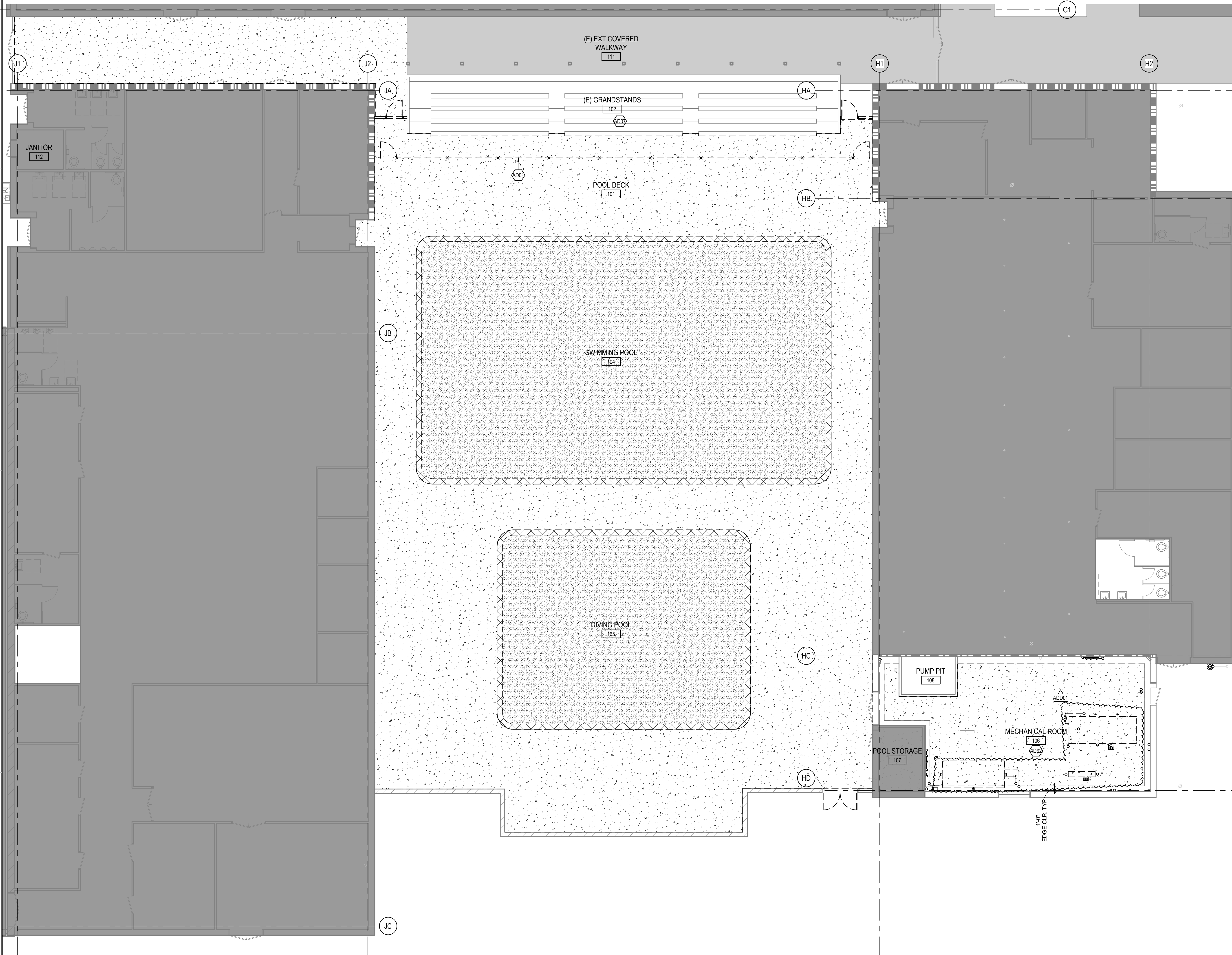
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0 1/4" = 1'-0"

IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

Autodesk Docs: 0223264-SDUSD_IPMIS Pool Upgrade0223264_ARCH\MSTR_R02L_CENTRAL.rvt

5/14/2024 10:19:54 AM



1 DEMOLITION FLOOR PLAN - LEVEL 1 - OVERALL
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- REFER TO DOOR AND FRAME SCHEDULES FOR REFERENCED FRAMED OPENINGS AND REQUIRED DEMOLITION OF OPENINGS IN EXISTING CONCRETE WALLS TO ACCOMMODATE FRAMED OPENINGS.
- COORDINATE WITH OWNER ALL ITEMS NOTED TO BE TURNED OVER TO THE DISTRICT.
- DEMOLITION KEYNOTES ARE FOR REFERENCE AS AN OVERALL LIST. NOT ALL DEMOLITION NOTES LISTED ARE APPLICABLE TO EACH SHEET. REFER TO SPECIFIC DEMOLITION PLANS FOR NOTES THAT APPLY.
- IN AREAS OF DEMOLISHED FLOOR AND WALL FINISHES, CONTRACTOR SHALL BE RESPONSIBLE TO FULLY REMOVE ALL EXISTING CONSTRUCTION MATERIAL INCLUSIVE OF EXISTING ADHESIVES AND/OR MECHANICAL FASTENERS AND CERAMIC TILE MORTAR BED. CONTRACTOR SHALL PREP ALL EXISTING SURFACES AS REQUIRED TO ACCOMMODATE FINISHES (INCLUDING MECHANICAL BRADING OF EXISTING SURFACES AND FILLING OF HOLES, WITH APPROPRIATE MATERIALS, AS NECESSARY).
- IN AREAS OF DEMOLISHED PLUMBING FIXTURES, ALL REMAINING DRAIN PIPES, TUBING, ETC. SHALL BE ABANDONED AND CAPPED OFF IN SUCH A WAY THAT IT SHALL NOT INTRUDE ON ANY CONSTRUCTION. PATCH FINISHES AS NECESSARY.
- REFER TO SWIMMING DRAWINGS FOR EXTENT OF DEMOLITION REQUIRED FOR INSTALLATION OF SWIMMING POOL WORK.
- REFER TO MECHANICAL/PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED TO ACCOMMODATE CONSTRUCTION, INCLUDING FILTERING OF VENTS, DIFFUSERS, AND CONDUITS WITH UNISTRATS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BARRIERS AND/OR ACCESS ENCLOSURES TO PROVIDE A MEANS OF CONTROLLED ACCESS TO THE FACILITY FUNCTIONS DURING SEQUENCING OF CONSTRUCTION. VERIFY ALL BARRIER LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE AND MAINTAIN FIRE AND LIFE SAFETY REQUIREMENTS PER CFC CHAPTER 14 DURING RENOVATIONS OF EXISTING FACILITY.
- MEANS OF EGRESS FOR EXISTING BUILDINGS SHALL COMPLY WITH CFC SECTION 1027 AND MAINTENANCE OF MEANS OF EGRESS SHALL COMPLY WITH CFC SECTION 1028.
- (E) FLOOR EQUIPMENT ANCHORAGE TO BE REMOVED AND PATCHED.

DEMOLITION FLOOR PLAN LEGEND

- DASHED LINE INDICATES ITEM TO BE DEMOLISHED
- - - - (E) WALL TO BE REMOVED TO EXTENT SHOWN
- (E) WALL TO REMAIN
- ⌋ (E) DOOR TO BE REMOVED. SALVAGE DOOR HARDWARE COMPONENTS
- ⌋ (E) DOOR TO REMAIN
- ⌋ (E) POOL DECK/CONC SLAB ON GRADE TO BE REMOVED. FOR ADDITIONAL INFO, SEE CIVIL AND POOL DWGS
- ⌋ (E) POOL FINISHES TO BE REMOVED. (E) CONG SHELL TO REMAIN. SAWCUT WHERE REQUIRED FOR NEW CONNECTIONS. SEE POOL DWGS
- ⌋ (E) POOL COPING TO BE REMOVED. SEE POOL DWGS
- (E) BUILDING NOT IN SCOPE
- (E) COVERED WALKWAY NOT IN SCOPE

○ SHEET KEYNOTES

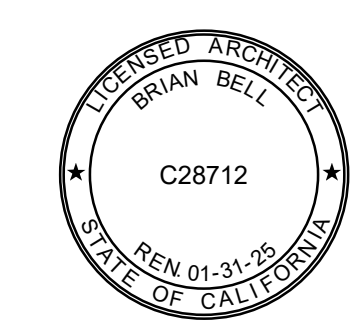
- AD01 DEMO (E) CHAIN-LINK FENCING AND GATE ASSEMBLY.
- AD02 DEMO (E) MECHANICAL EQ. SEE POOL, MECH, AND ELEC DWGS
- AD07 REMOVE (E) FINISH COAT ON (E) GRANDSTAND ASSEMBLY, SUPPORTS, AND METAL ANGLE. EMBED, CLEAN AND PATCH AND REPAIR (E) CONG STEPS.

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CONSULTANT

SEAL



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

| MARK | DATE | DESCRIPTION |
|-------|-----------|-------------|
| ADD01 | 5/10/2024 | ADD 01 |

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| CLIENT PROJECT NO: | |
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TITLE
**DEMOLITION FLOOR
PLAN - LEVEL 1**

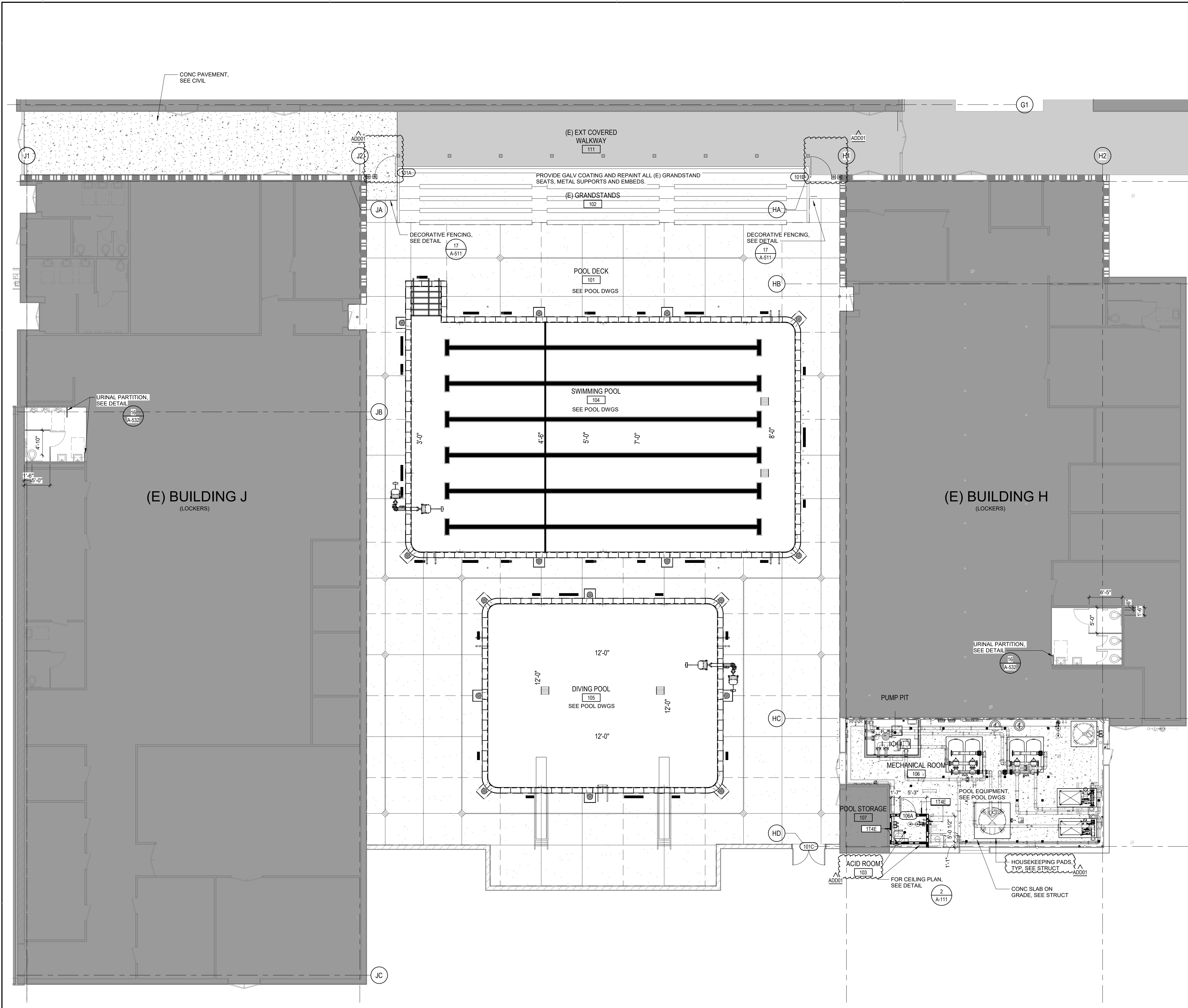
SHEET
AD111

0 1/4" = 1'

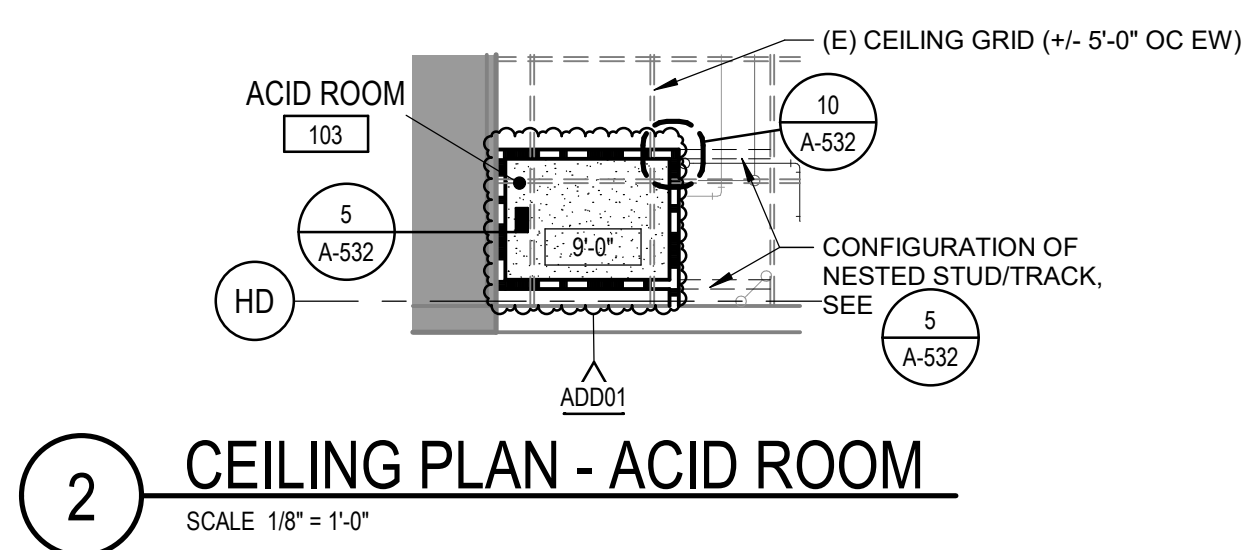
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5/14/2024 10:19:35 AM



1 FLOOR PLAN - POOL
SCALE 1/8" = 1'-0"



2 CEILING PLAN - ACID ROOM
SCALE 1/8" = 1'-0"

GENERAL NOTES

1. ALL WALL DIMENSIONS ARE MEASURED FROM FACE OF STUDS OR CENTERLINE OF COLUMN GRID UNLESS OTHERWISE NOTED. EXCEPTION: CLEAR DIMENSIONS AT DOOR, PLUMBING FIXTURES AND 5'-0" DIA FLOOR CLEARANCE CIRCLE ARE TO FACE OF FINISH, TYP.
2. DIMENSIONS NOTED "CLEAR" OR "CLR" ARE TO FACE OF FINISH.
3. ACCESS TO EXISTING EXIT WAYS TO REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION.
4. FOR SYMBOL LEGEND SEE SHEET G-001
5. PATCH AND REPAIR EXISTING PORTIONS OF BUILDING TO REMAIN THAT ARE DAMAGED DURING DEMOLITION. DOCUMENT ALL EXISTING DAMAGED CONDITIONS PRIOR TO DEMOLITION.
6. PROTECT AS NECESSARY ALL EXISTING CONSTRUCTION TO REMAIN AND IN-PLACE CONSTRUCTION DURING CONSTRUCTION PROCEDURES.

FLOOR PLAN LEGEND

| | | |
|--|------------------------------|---|
| | ROOM NAME | ROOM IDENTIFIER WITH ROOM NAME & NUMBER |
| | DOOR/GATE | SEE DOOR SCHEDULE SHEET A-511 AND A-532 |
| | DOOR/GATE OPENING IDENTIFIER | |
| | PH | PANIC HARDWARE |
| | | 60" CLEAR ACCESSIBLE TURNING SPACE |
| | | (E) COVERED WALKWAY NOT IN SCOPE |
| | | (E) BUILDING NOT IN SCOPE |
| | | WALL TAG, SEE PARTITION SCHEDULE |

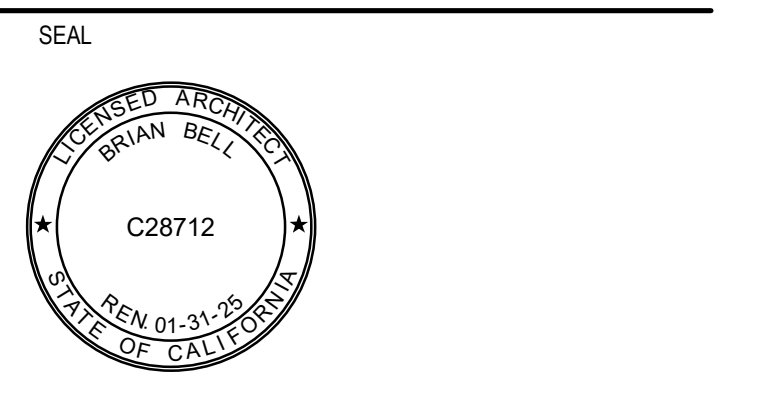
WALL LEGEND

| | |
|--|---|
| | (E) WOOD STUD FRAMED WALLS |
| | (E) 2-HR FIRE SEPARATED WOOD STUD FRAMED WALLS |
| | (E) 1-HR FIRE SEPARATED "MODULAR" SYSTEM PARTITION METAL STUDS @ 40" OC W/ STEEL COVERED GYP BD PANELS. |
| | 1-HR FIRE BARRIER, SEE SHEET A-531 FOR TYPE |

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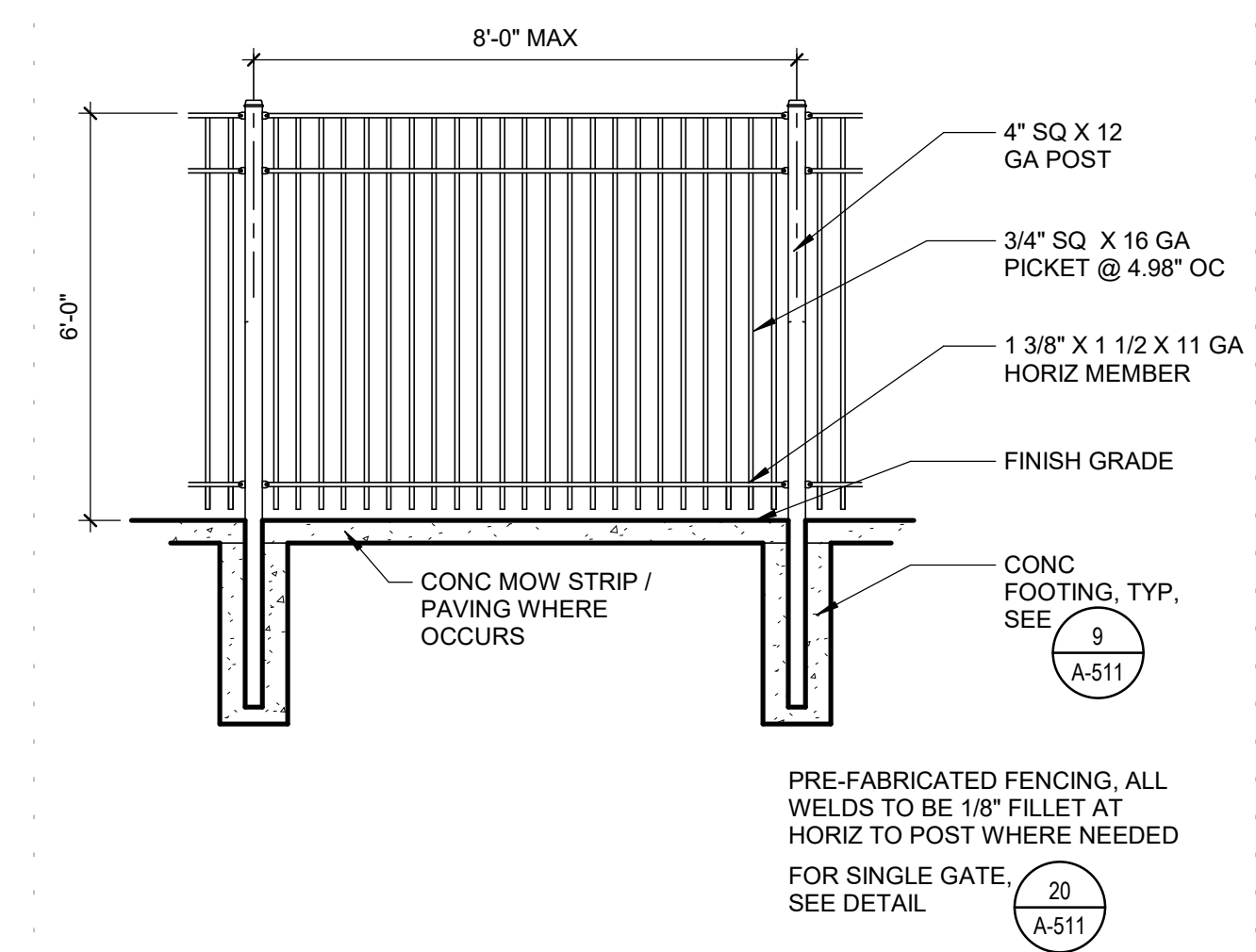
TITLE
FLOOR PLAN - LEVEL 1

SHEET
A-111

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| GATE SCHEDULE | | | | | | | COMMENTS |
|---------------|--------|--------------------|---------------------|-------------|--|--|----------|
| DOOR NO | HDW GP | DOORS LEAF 2 WIDTH | DOORS LEAF 2 HEIGHT | FRAMES JAMB | | | |
| 101A | 101 | 4'-0" | 6'-0" | 20/A-511 | | DECORATIVE METAL GATE WITH PH | |
| 101B | 101 | 4'-0" | 6'-0" | 20/A-511 | | DECORATIVE METAL GATE WITH PH | |
| 101C | 102 | 3'-2" | 7'-0" | (E) | | REPLACE (E) FRAME AND PROVIDE 2" HOLLOW METAL FRAME AT HEADER AND JAMB. REPLACE DOOR WITH PH | |



17 DECORATIVE METAL FENCE - 6' HIGH
3/8" = 1'-0"

- FENCE NOTES**
- ENCLOSURE SHALL NOT BE EASILY CLIMBABLE
 - ENCLOSURE SHALL BE AT LEAST 5 FT. HIGH
 - HORIZONTAL MEMBERS SHALL BE SPACED AT LEAST 48" APART
 - OPENINGS SHALL NOT EXCEED 4"
 - OPENINGS IN CHAIN LINK MAY NOT EXCEED 1 1/2"
 - BOTTOM OF ENCLOSURE SHALL BE WITHIN 4" OF FINISHED GRADE
 - GATES SHALL SELF-CLOSE
 - GATES SHALL OPEN OUTWARD AWAY FROM POOL
 - GATE LATCH SHALL BE AT LEAST 42" ABOVE DECK

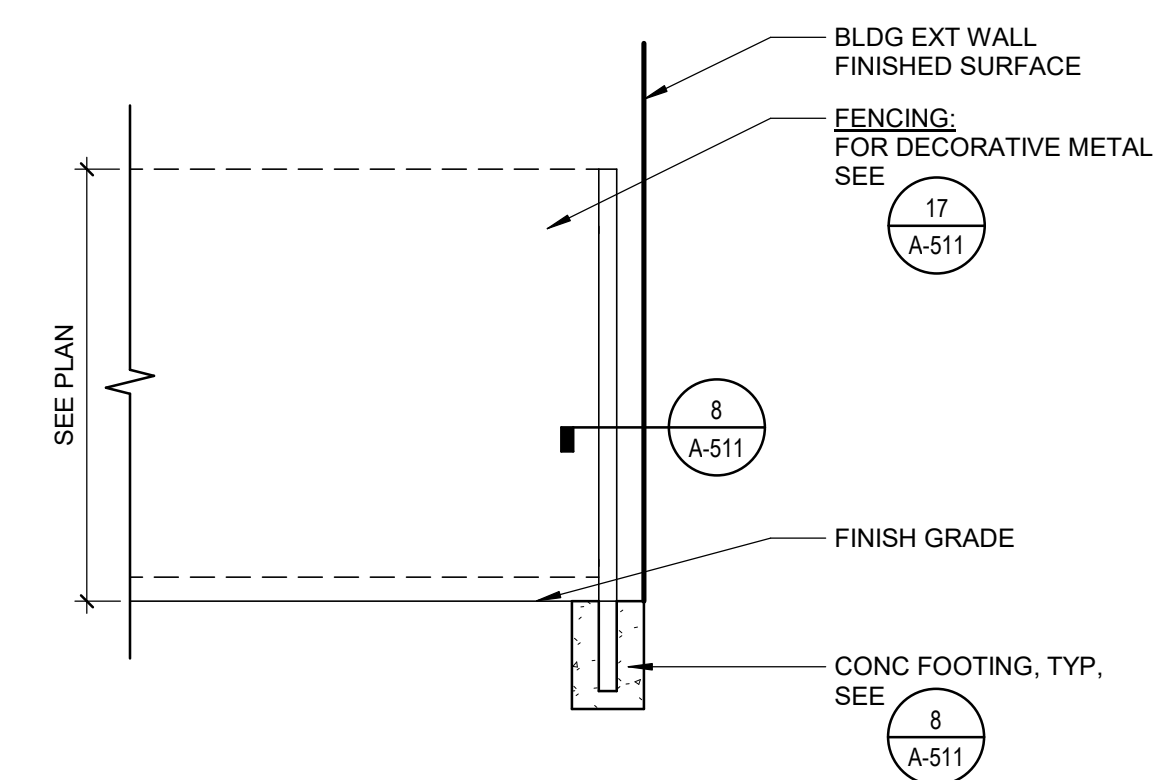
1. MINIMUM INTERMEDIATE POST HOLE DIAMETERS:

| PIPE OUTSIDE DIA. (in) | POST HOLE DIA. (in) | SETTING DEPTH (in) |
|------------------------|---------------------|--------------------|
| 2.375 | 12.0 | 30.0 |
| 2.875 | 16.0 | 36.0 |
| 4.0 | 18.0 | 42.0 |
| 6.625 | 24.0 | 48.0 |

2. MINIMUM TERMINAL POST (END, CORNER, GATE) HOLE DIAMETER AND SETTING DEPTH:

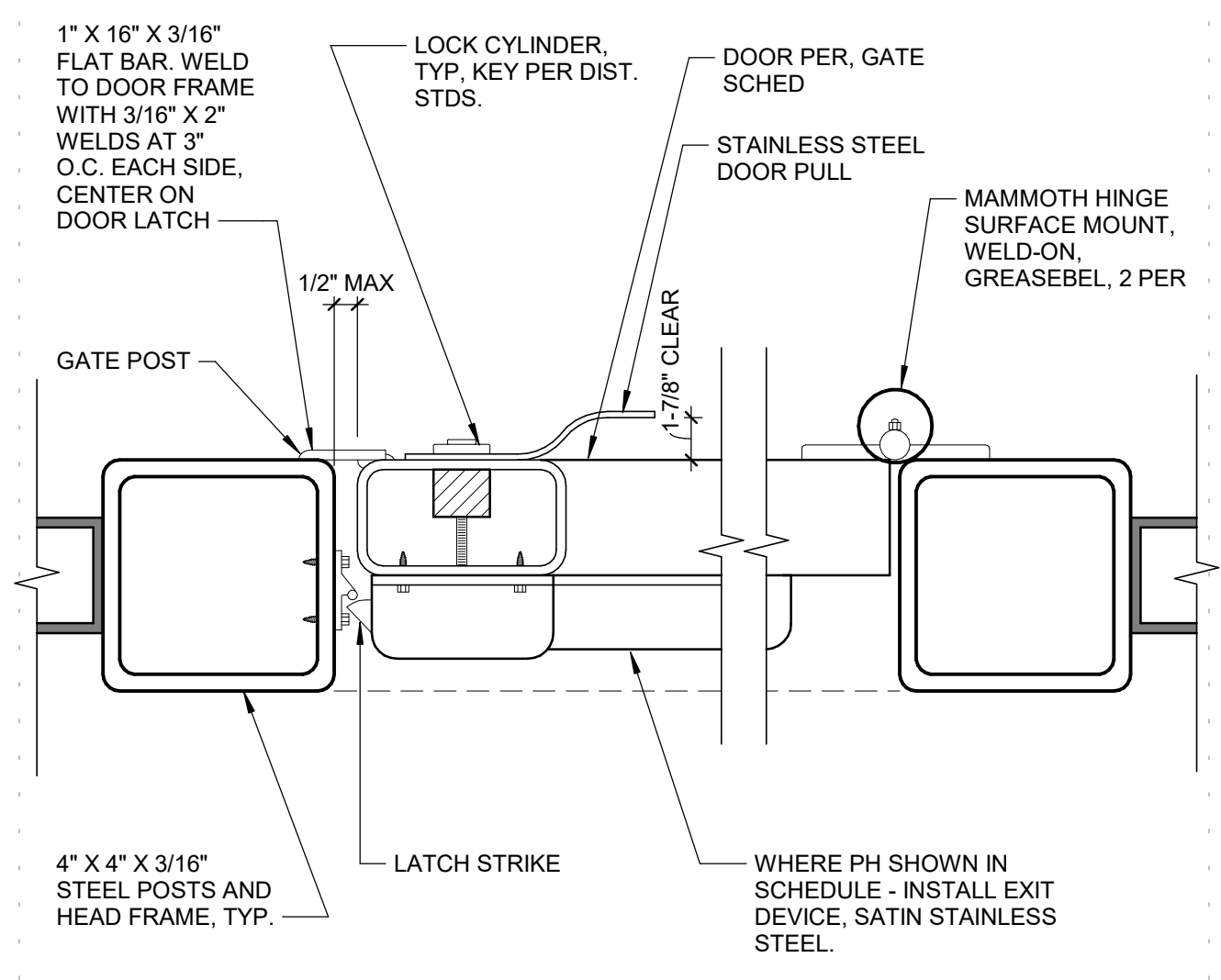
| GATE LEAF WIDTH (ft) | FABRIC HEIGHT (ft) | POST SIZE (in) | HOLE DIA (in) | SETTING DEPTH (in) |
|----------------------|--------------------|----------------|---------------|--------------------|
| 4 | 6 OR LESS | 2.375 | 16 | 30 |
| OVER 4 - 10 | 6 OR LESS | 2.875 | 16 | 36 |
| OVER 10 - 18 | 6 OR LESS | 4.0 | 18 | 42 |

SEE SPEC SECTION 32.31.19 FOR ADDITIONAL INFO

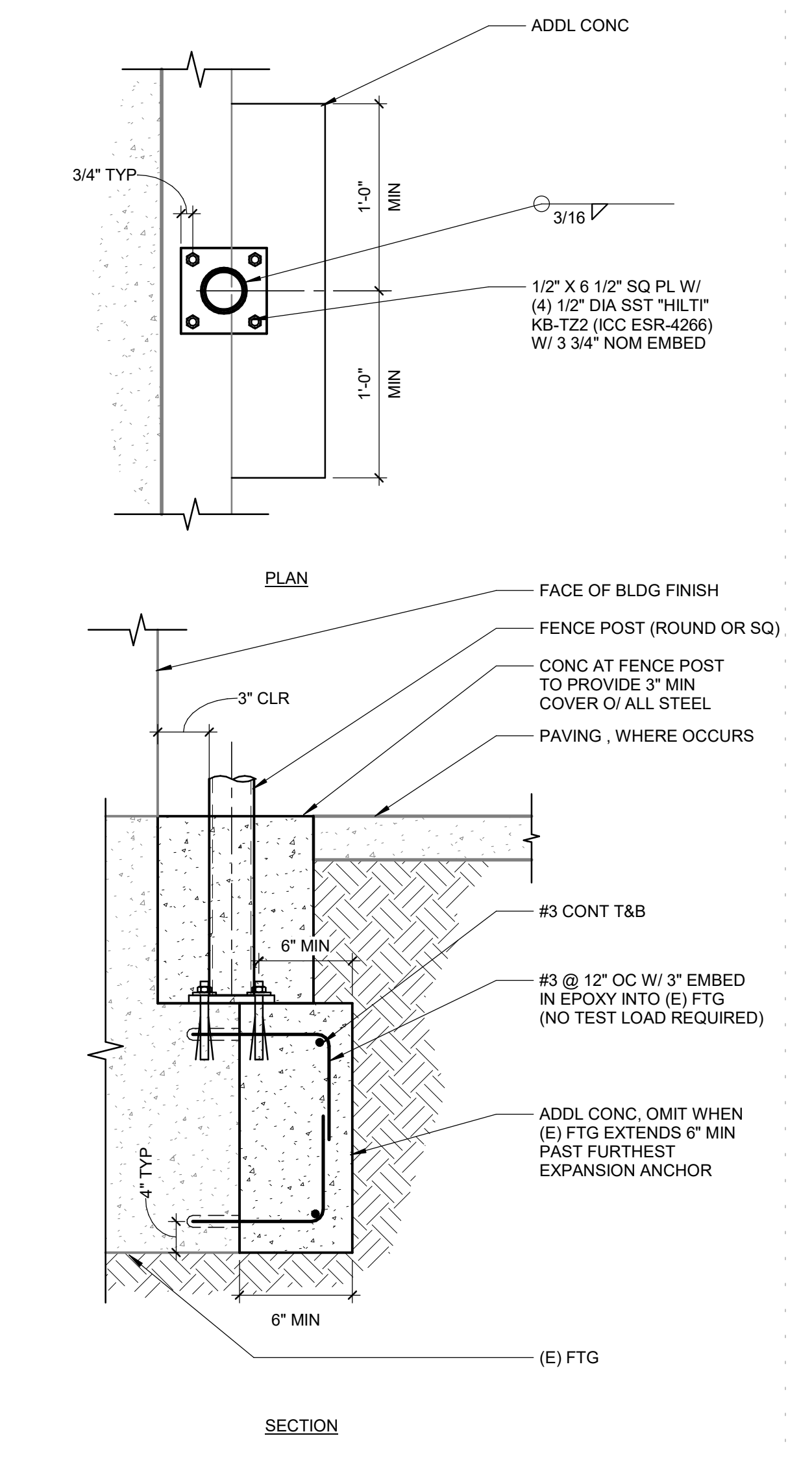


2 FENCE POST FOUNDATION
1" = 1'-0"

6 FENCE AT BUILDING
3/8" = 1'-0"

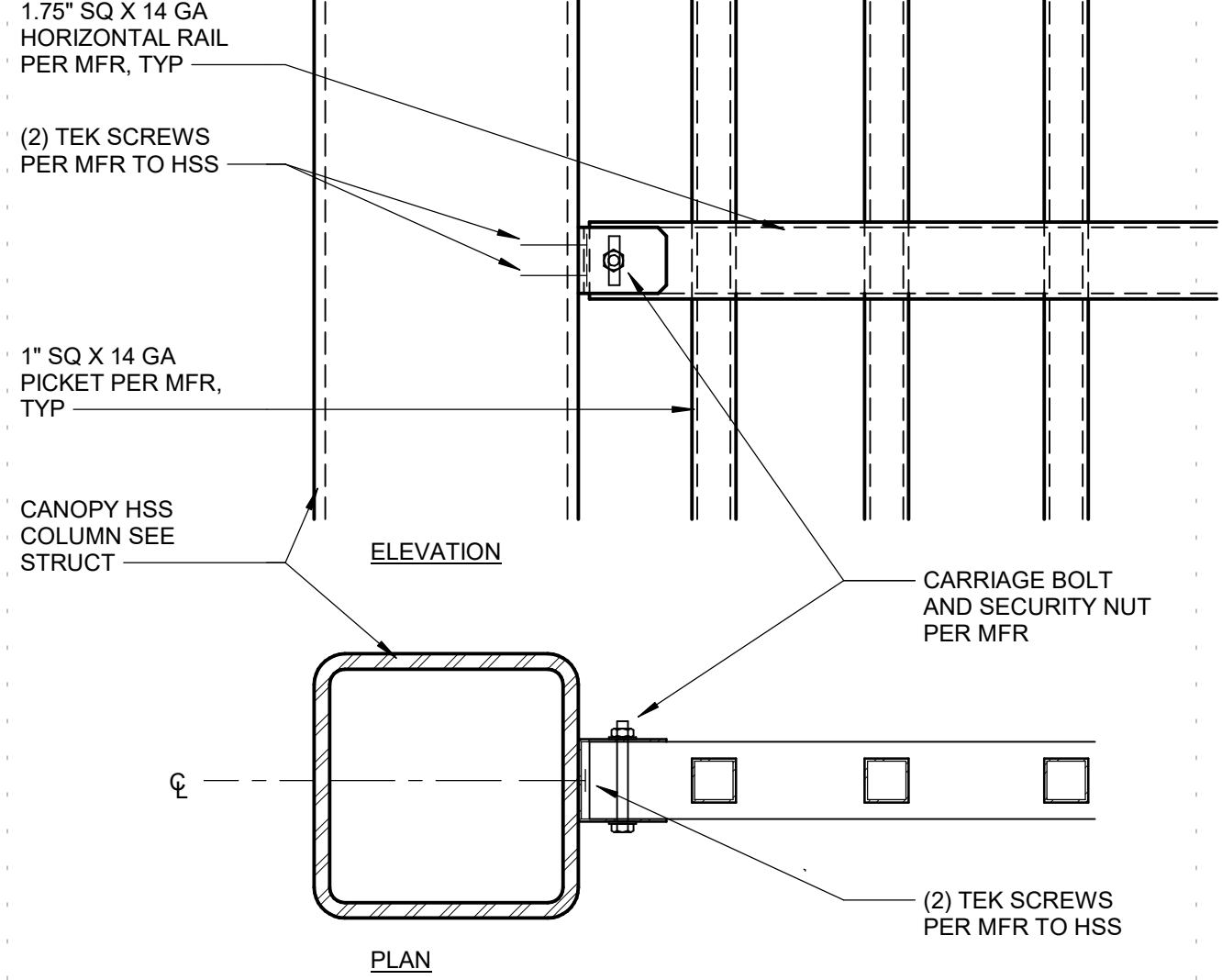


3 SECTION SINGLE GATE DOOR LATCHING HARDWARE
1" = 1'-0"

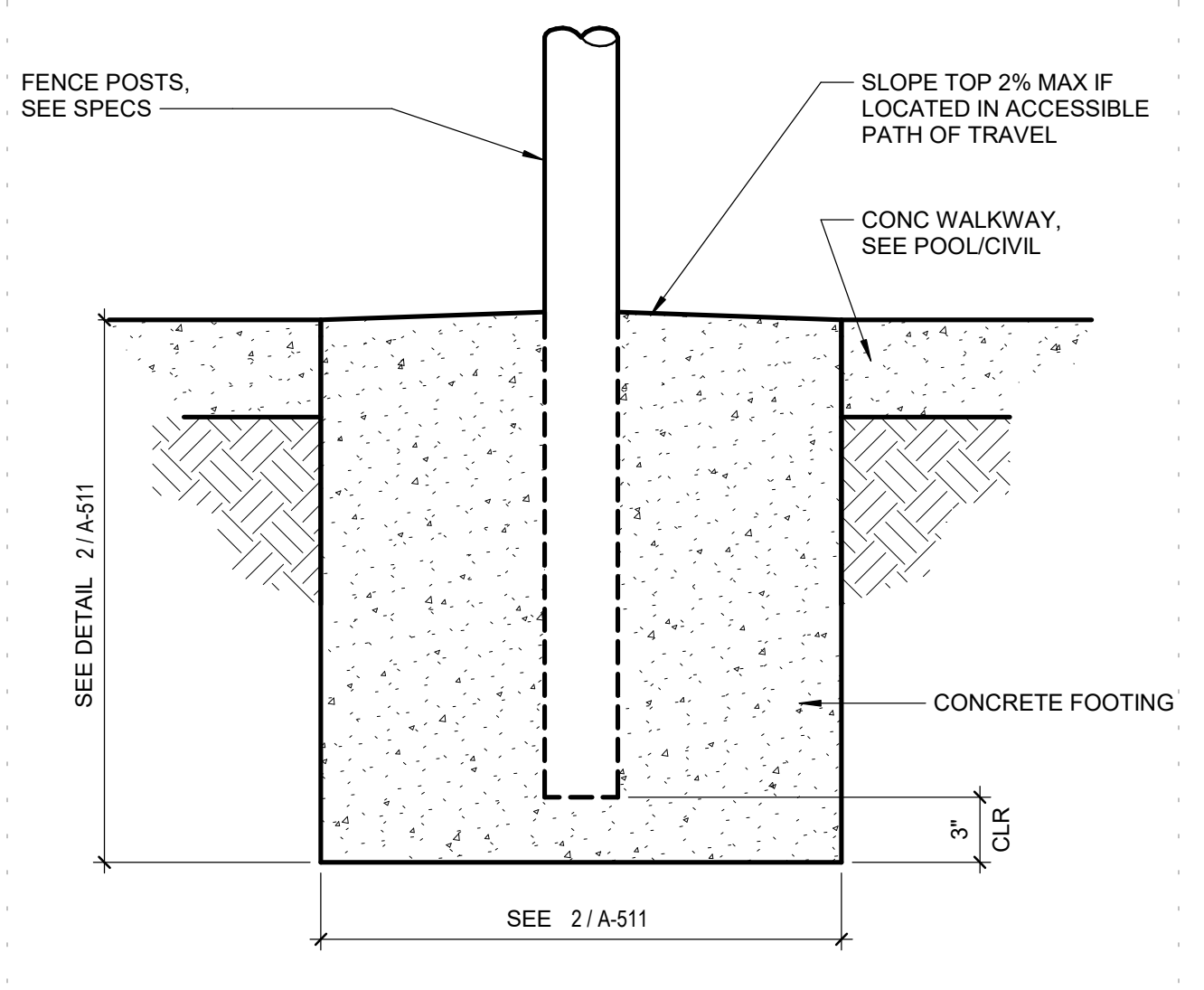


NOTE: THIS APPLIES TO FENCES W/ MAX HEIGHT OF 6'-0". MAX DISTANCE TO ADJACENT POST IS 10'-0" FOR OPEN FENCES AND 4'-0" FOR SOLID FENCES

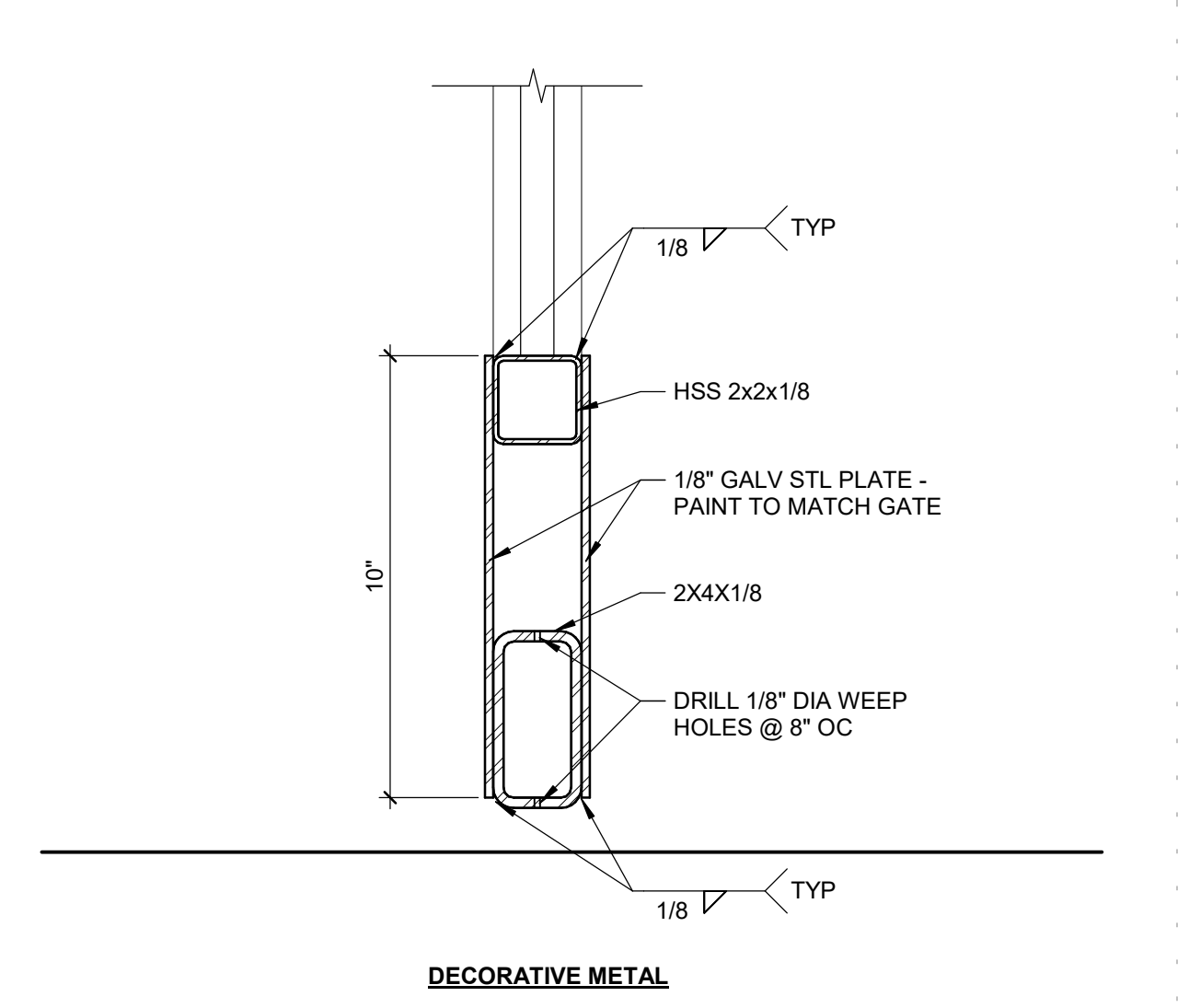
8 FENCE POST MOUNTING AT BUILDING
1 1/2" = 1'-0"



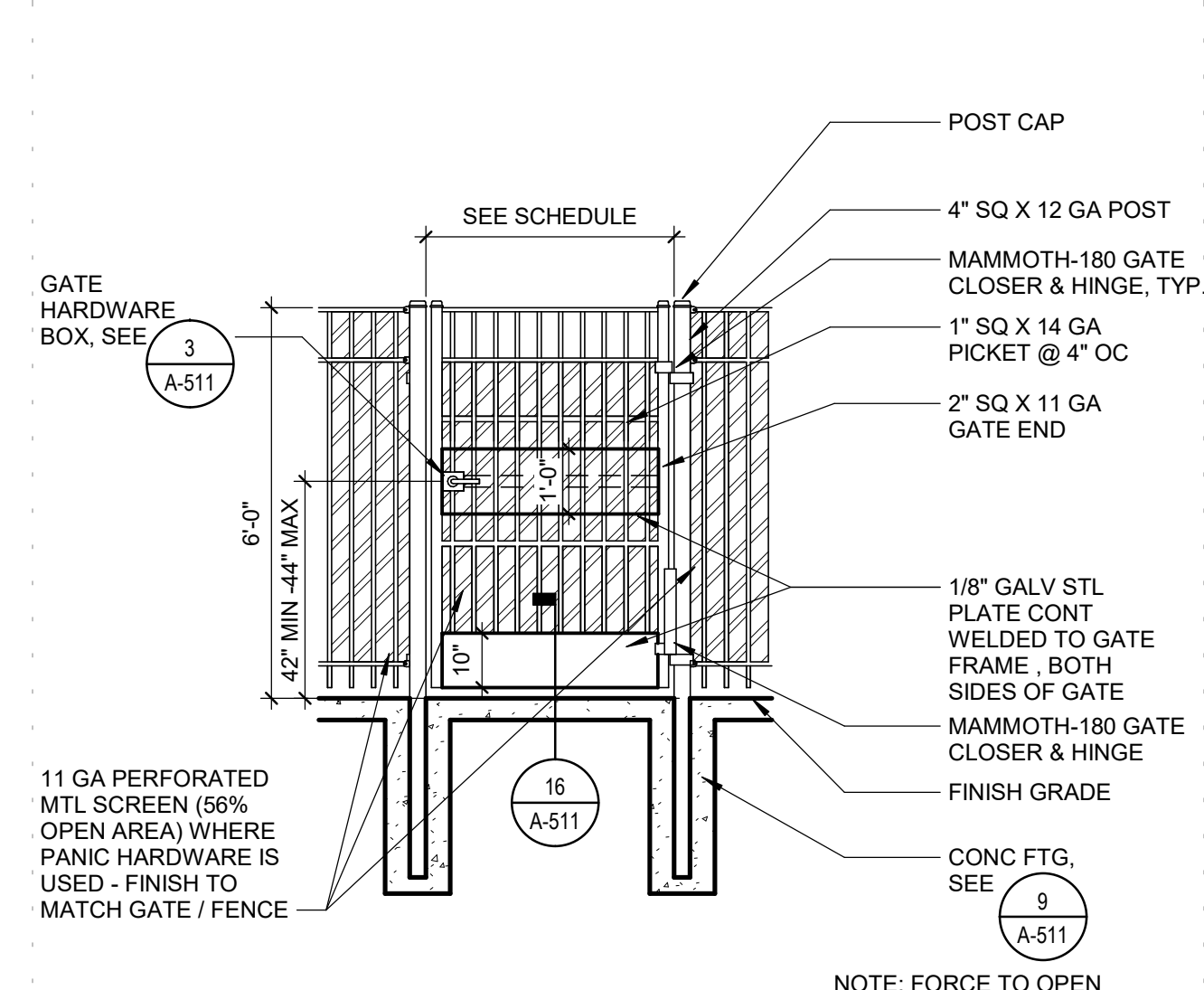
11 DECORATIVE METAL GATE AT HSS
3" = 1'-0"



9 FENCE FOOTING - UP TO 6'-0" HIGH
1 1/2" = 1'-0"



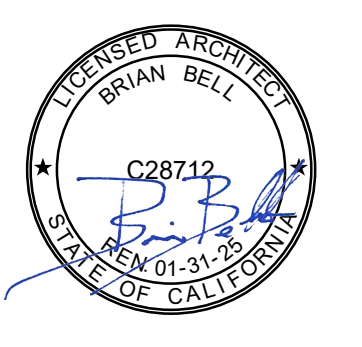
16 METAL GATE KICK PLATE
3" = 1'-0"



20 SINGLE DECORATIVE GATE - 6'
3/8" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122170 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 05/09/2024

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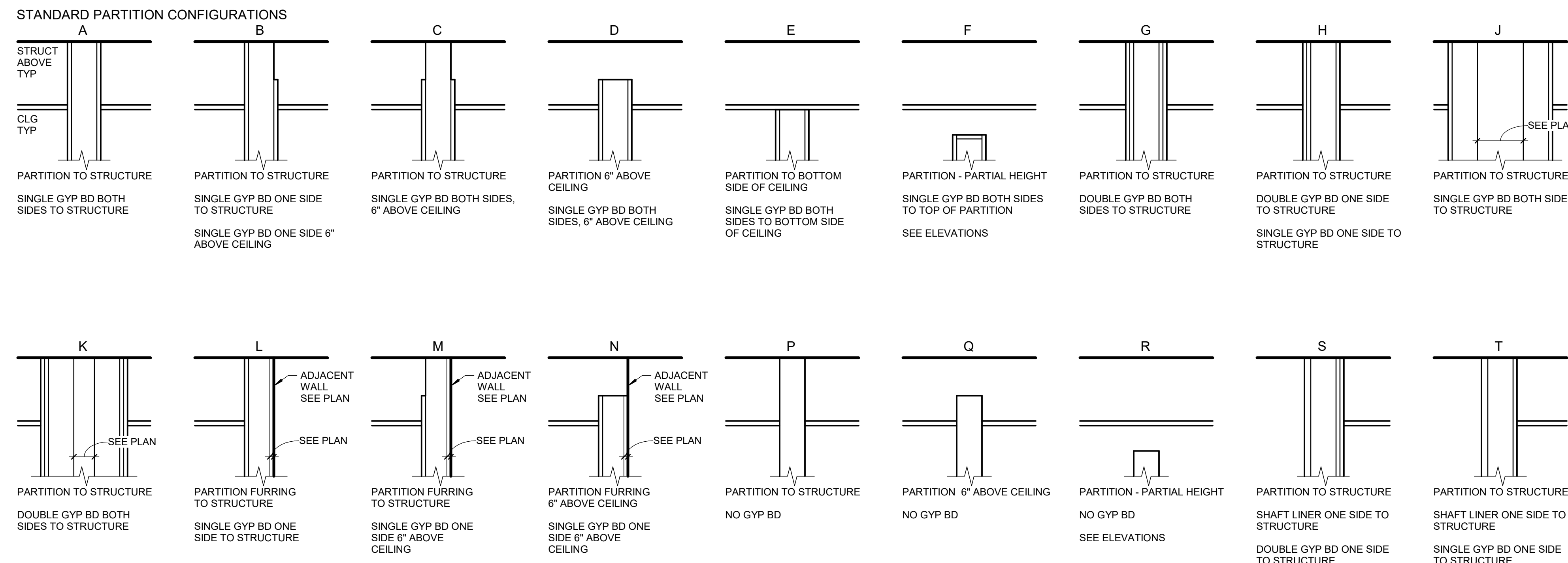
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TITLE
DECORATIVE METAL FENCE & GATE DETAILS

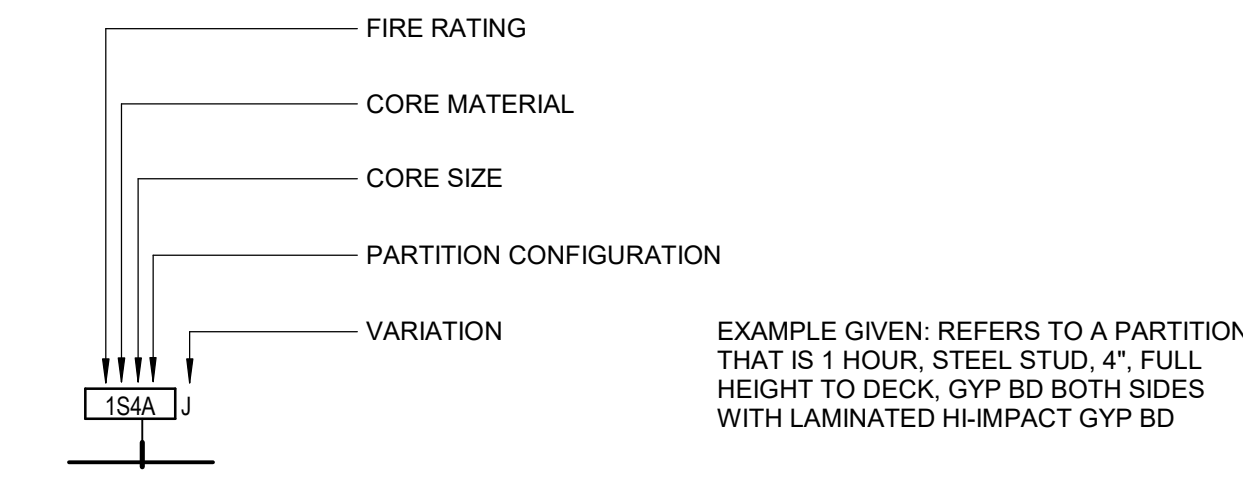
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PARTITION CONFIGURATION DIAGRAMS (FOURTH CHARACTER DESIGNATOR)



PARTITION TYPE SYMBOL KEY



PARTITION SYMBOL DESIGNATORS

| FIRST CHARACTER [15A] | | SECOND CHARACTER [15A] | |
|-----------------------|-------------|------------------------|--------------------|
| DESIGNATOR | FIRE RATING | DESIGNATOR | CORE MATERIAL |
| 0 | NON-RATED | C | CONCRETE |
| 1 | 1 HR | D | DETENTION WALL |
| 2 | 2 HR | E | EXISTING |
| 3 | 3 HR | F | FURRING - WOOD |
| 4 | 4 HR | H | STEEL HAT CHANNELS |
| | | M | MASONRY |
| | | S | STEEL STUD |
| | | T | SHAFTWALL STUD |
| | | W | WOOD STUD |
| | | Z | STEEL ZEE CHANNELS |

| THIRD CHARACTER [15A] | | CORE MATERIAL SIZE | | | | | | | | | | | |
|-----------------------|-----|--------------------|--------|--------|--------|---------|--------|--------|---------|--------|----|----|----|
| DESIGNATOR | | C | D | F | H | M | S | T | W | Z | -- | -- | -- |
| 1 | | | | 3/4" | 3/4" | | 1 5/8" | | | 7/8" | | | |
| 2 | | 2" | 1 1/2" | 1 1/2" | 2 1/2" | | 3 5/8" | 2 1/2" | | 1 1/2" | | | |
| 4 | 4" | | 2 1/2" | 2 1/2" | | | 4" | 4" | 3 1/2" | | | | |
| 6 | 6" | | | | | 5 5/8" | 6" | 6" | 5 1/2" | | | | |
| 8 | 8" | | | | | 7 5/8" | 8" | 8" | 7 1/4" | | | | |
| 10 | 10" | | | | | 9 5/8" | 10" | 10" | 9 1/4" | | | | |
| 12 | 12" | | | | | 11 5/8" | 12" | 12" | 11 1/4" | | | | |

FOURTH CHARACTER [15A]

SEE PARTITION CONFIGURATION DIAGRAMS AT LEFT

| FIFTH CHARACTER [15A] | |
|-----------------------|-----------------------------------|
| DESIGNATOR | VARIATION MATERIAL |
| A | MOISTURE RESISTANT GYP BD |
| B | CEMENTITIOUS BACKER BD |
| C | GYP BD, ADDITIONAL LAYER |
| D | REMOVE GYP BD |
| E | SOUND DAMPENING GYP BD |
| F | HI-IMPACT GYP BD |
| G | PLYWOOD |
| H | LEAD BACKED GYP BD |
| J | LAMINATED HI-IMPACT GYP BD |
| K | RIGID INSULATION |
| L | BULLET RESISTANT COMPOSITE PANELS |
| M | WITHOUT ACOUSTIC INSULATION |
| P | PARTITION |
| S | SMOKE |
| W | FIRE |

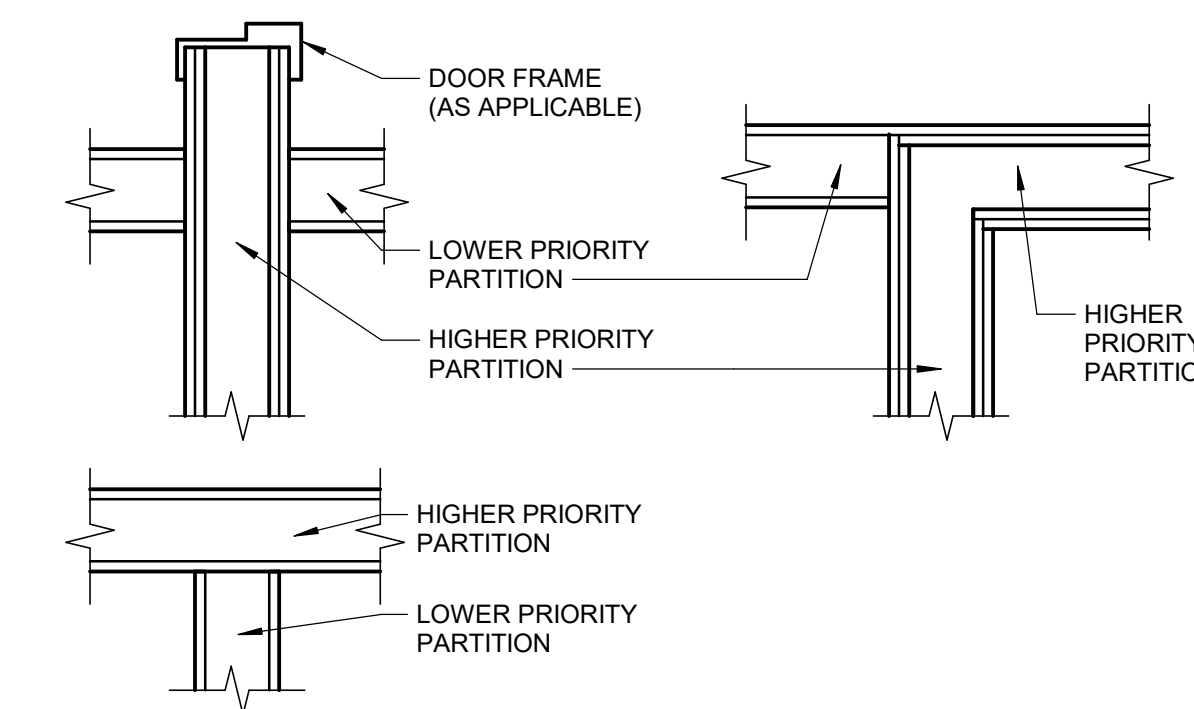
PARTITION TYPE GENERAL NOTES

- REFER TO THE FLOOR PLANS FOR PARTITION TYPE SYMBOLS. A PARTITION TYPE IS INDICATED BY A SYMBOL CONTAINING THE PARTITION IDENTIFICATION WHICH REFERS TO A SPECIFIC ASSEMBLY INDICATED ON THIS SHEET.
- THE CONSTRUCTION OF EXTERIOR WALLS ARE SHOWN ON WALL SECTIONS & CORRESPONDING DETAILS. PARTITION SYMBOLS ARE ONLY USED TO SHOW INTERIOR CONDITIONS, INCLUDING INTERIOR FURRING OF EXTERIOR WALLS.
- PARTITION TYPES AS NOTED BY THE SYMBOL CONTINUE BETWEEN ROOM/SPACE CORNERS OR ANY INTERSECTING PARTITION.
- SEE PLANS FOR STRUCTURE ABOVE NOTED IN PARTITION CONFIGURATION DIAGRAMS.
- THE PARTITION TYPE ABOVE OR BELOW ANY OPENING IS TO BE THE SAME AS THAT SCHEDULED FOR EITHER SIDE OF THE OPENING, UNO.
- DIFFERING PARTITION TYPES SHALL ALIGN SO THAT PARTITION FINISH PLANES CONTINUE UNBROKEN WITHIN AND/OR ACROSS SPACES.
- IN CASES WHERE TWO DIFFERENT CEILING HEIGHTS ABUT PARTITIONS, THE PARTITION SHALL EXTEND ABOVE THE HIGHEST CEILING INDICATED.
- GYP SUM BOARD SHALL BE FIRE RESISTANT, TYPE 'X' UNO. FIRE RATED PARTITIONS SHALL BE CONSTRUCTED PER CBC, TABLE 720.1(2).
- PROVIDE MOISTURE RESISTANT GYP BOARD AT PARTITIONS IN WET AREAS (FLOOR TO FINISH CEILING) INCLUDING BUT NOT LIMITED TO THE FOLLOWING ROOMS:
 - A. TOILET ROOMS
 - B. JANITOR CLOSETS
 - C. OUTSIDE AIR SHAFTS
 - D. MECHANICAL ROOMS
 - E. DRINKING FOUNTAIN ALCOVES
 - F. KITCHENS
 - G. LOCKERS
- PROVIDE CEMENTITIOUS BACKER BOARD AT WET AREAS SCHEDULED WITH TILE FINISH.
- PROVIDE ACOUSTICAL TREATMENT AT PARTITIONS WITH ACOUSTIC INSULATION.
 - FILL STUD CAVITIES & RUN INSULATION CONTINUOUS AROUND COLUMNS & OTHER OBSTRUCTIONS TO FORM A CONTINUOUS ACOUSTIC BARRIER.
 - A. INSTALL ACOUSTIC BATT INSULATION, FULL WIDTH, DEPTH, AND HEIGHT.
- INSTALL ACOUSTICAL SEALANT AT PARTITION HEAD, SILL & JAMB TRANSITIONS, AS WELL AS AT PENETRATIONS THROUGH THE GYPSUM BOARD MEMBRANE INCLUDING PENETRATIONS AT MOUNTING FASTENERS. FIRE STOPPING REQUIREMENTS SHALL SUPERCEDE ACOUSTIC TREATMENT.
- GYP SUM BOARD SILL & JAMB EDGES TERMINATING AT DISSIMILAR MATERIAL (CMU, CONCRETE, METAL PANEL, ETC) SHALL ALLOW 1/4" CONTINUOUS GAP AND BE SEALED AIRTIGHT WITH AN ACOUSTIC SEALANT.
- THE BACK AND SIDES OF DUPLEX ELECTRICAL OUTLETS, TELEPHONE OUTLETS, CABLE TV OUTLETS, FIRE ALARM DEVICES, THERMOSTATS, ETC. SHALL BE SEALED WITH FIRE STOP PUTTY PADS AS SPECIFIED FOR FIRE RATED ASSEMBLIES. ELSEWHERE, BACK-TO-BACK OUTLET BOXES TO BE SEPARATED BY ONE EMPTY STUD SPACE AND A MINIMUM OF 16 INCHES.
- PARTITIONS INDICATED AS FIRE OR SMOKE RATED FORM A SEPARATION THAT SHALL BE CONTINUOUS FROM FLOOR TO STRUCTURE ABOVE WITH NO BREAKS AT CONCEALED SPACES, COLUMNS, TRANSITIONS OR OTHER OBSTRUCTIONS.
- PENETRATIONS THROUGH RATED PARTITIONS SHALL BE SEALED WITH UL LISTED FIRE/SMOKE STOP ASSEMBLY.
- SEE PARTITION PRIORITY LEGEND FOR PRIORITIZATION OF INTERSECTING PARTITIONS.

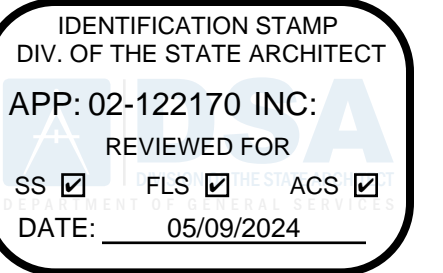
PARTITION TYPE SCHEDULE

| PARTITION TYPE | VARIATION | UL ASSEMBLY | STC RATING | HEAD | SILL | HEAD | SILL | REMARKS |
|----------------|-----------|-------------|------------|---------|---------|------|------|---------|
| 1T4E | | UL415 | | 5/A-532 | 7/A-532 | | | |

PARTITION PRIORITY LEGEND



- PARTITION PRIORITY LEGEND**
- ALL PARTITIONS MAY NOT BE USED. SEE PLANS.
 - PARTITIONS WITH HIGHER ASSIGNED PRIORITY SHALL BE CONTINUOUS THROUGH INTERSECTIONS.

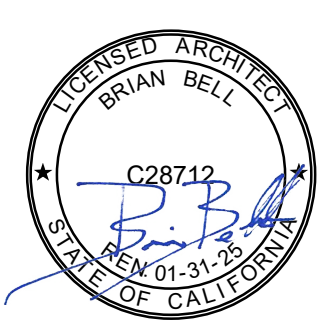


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TITLE
**PARTITION TYPES &
SCHEDULE**

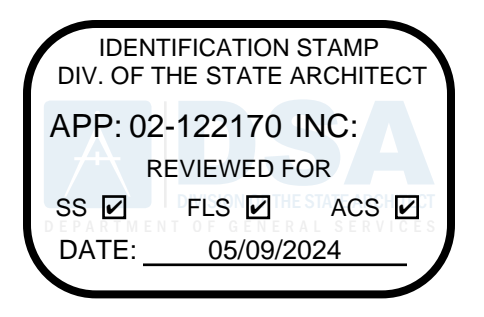
SHEET

A-531

| DOOR SCHEDULE | | | | | | | | | | | | | | | | | | |
|---------------|-----------------|--------------------|--------|-------|-------|-------------|-------|------|--------|--------|----|--------|------|--------|----|---------|---------|----------|
| DOOR NO | LOCATION | FIRE RATING (MINS) | HDW GP | DOORS | | | | | | | | FRAMES | | | | | | COMMENTS |
| | | | | TYPE | WIDTH | LEAF 2 TYPE | WIDTH | MATL | HEIGHT | FINISH | GL | TYPE | MATL | FINISH | GL | HEAD | JAMB | |
| 106A | MECHANICAL ROOM | 45 | (none) | DF1 | 3'-0" | | | HM | 7'-0" | PT | | | FB1 | HM | PT | 9/A-532 | 9/A-532 | |

DOOR SCHEDULE GENERAL NOTES

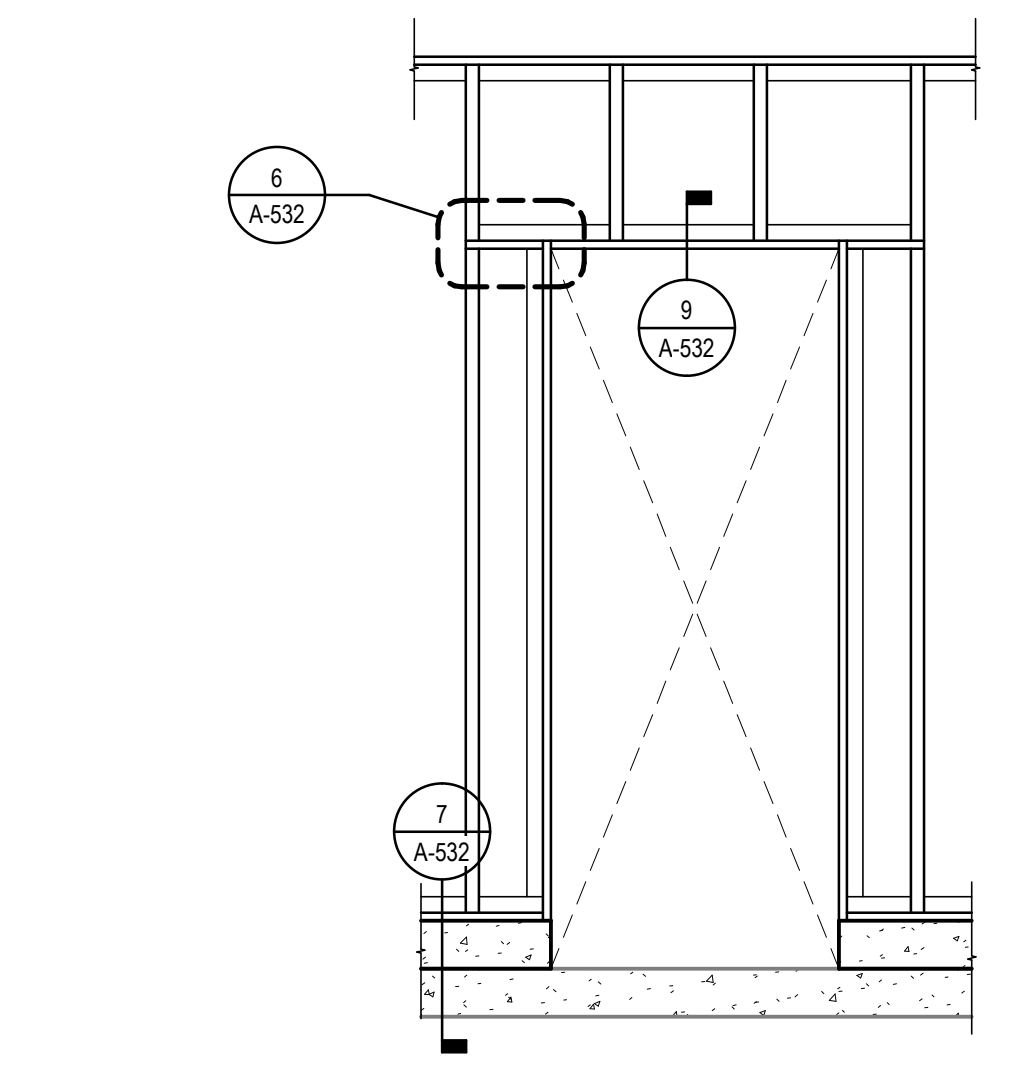
- GENERAL DOOR SHEET NOTES ARE TYPICAL UNLESS NOTED OTHERWISE.
- FLOORS OR LANDINGS ON EACH SIDE OF EXIT DOORS SHALL NOT EXCEED 1/2' FROM THE TOP OF THE DOOR THRESHOLD TO THE FLOOR OR LANDING SURFACE ON EITHER SIDE OF THE DOOR ASSEMBLY.
- EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF TRAVEL.
- THE FORCE FOR PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS. FOR OTHER SWINGING DOORS, AS WELL AS SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15 POUND MAXIMUM FORCE.
- LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN THE PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP, PINCH OR TWIST THE OPENING HARDWARE.
- THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- RATED DOORS SHALL BE POSITIVE LATCHING AND SELF CLOSING.
- FIRE RATED DOORS AND GLASS SHALL HAVE AN APPROVED LABEL OR LISTING MARK INDICATING THE FIRE PROTECTION RATING WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY OCCUR.
- DOOR AND FRAME ASSEMBLY DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION AND INSTALLATION.
- COORDINATE OVERALL DOOR FRAME DEPTHS WITH WALL TYPES.
- FOR DOOR HARDWARE GROUPS, SEE PROJECT SPECIFICATIONS.



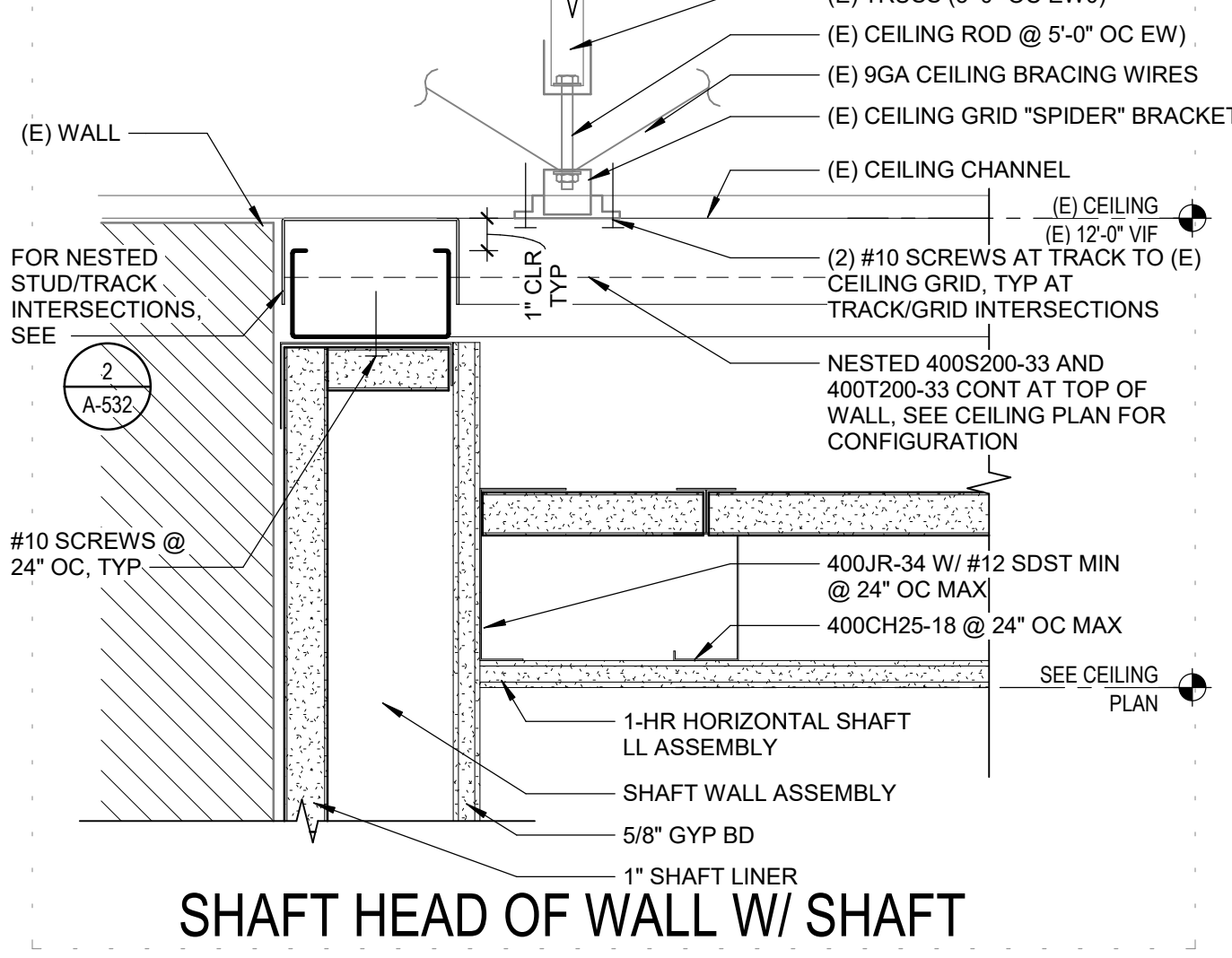
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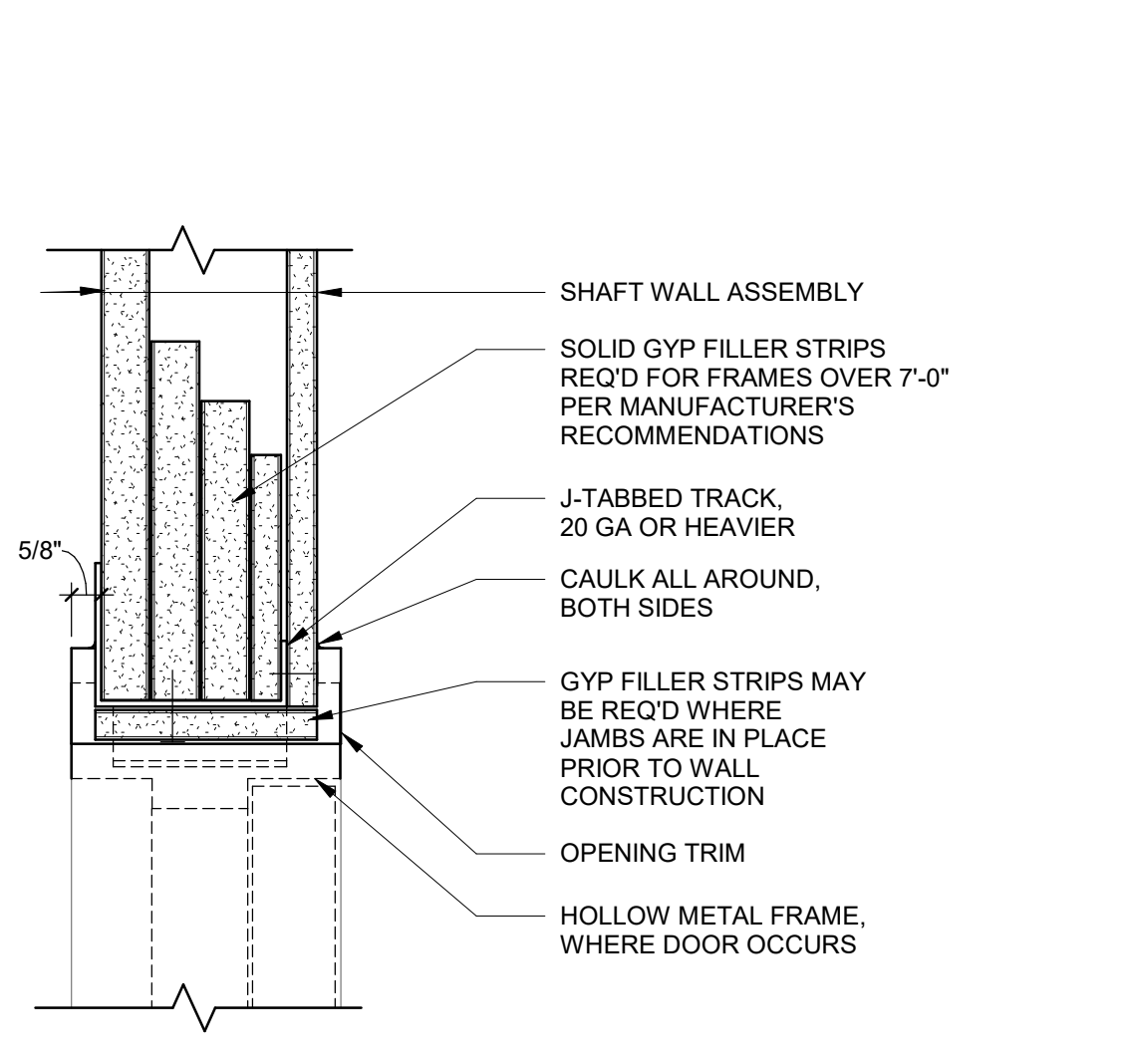
CONSULTANT



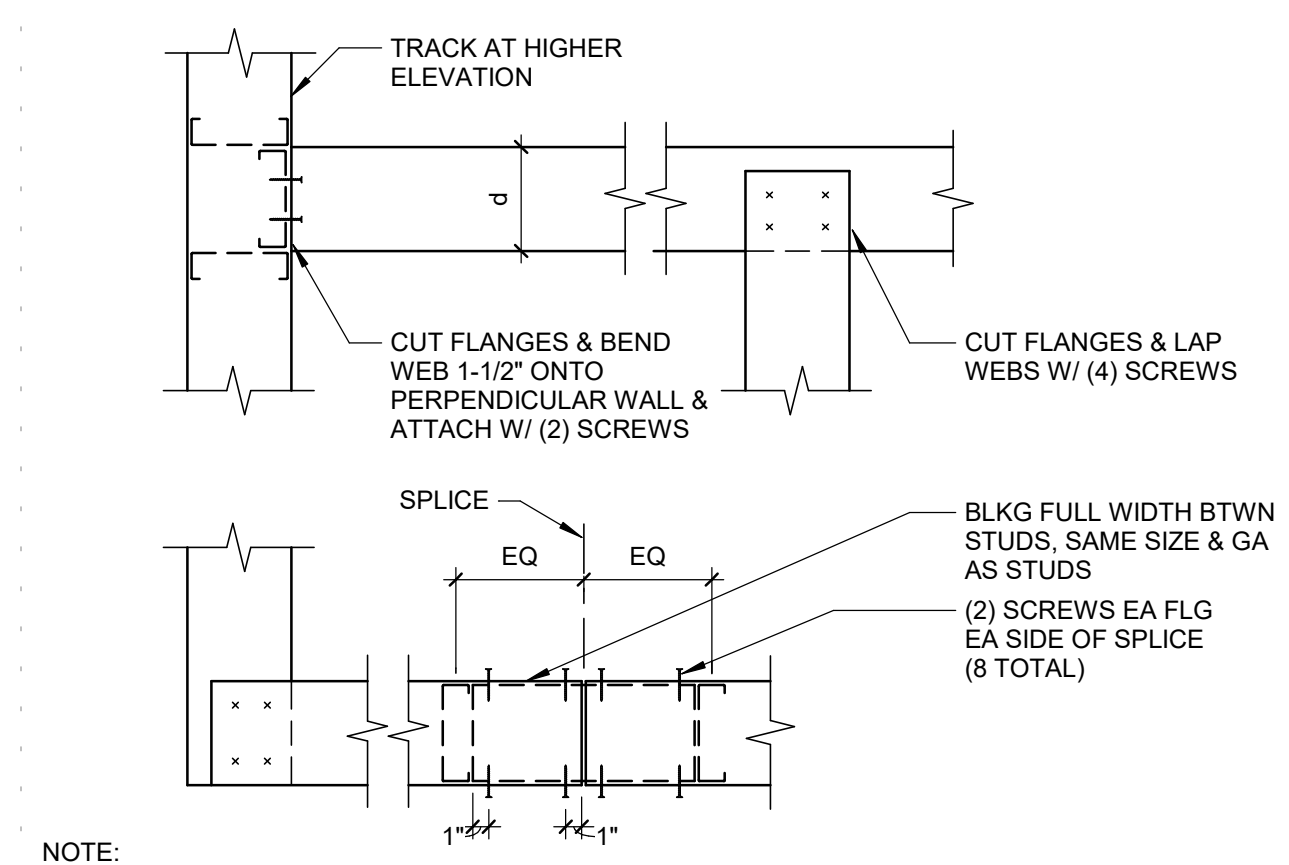
1 SHAFT WALL - DR OPENING
1/2" = 1'-0"



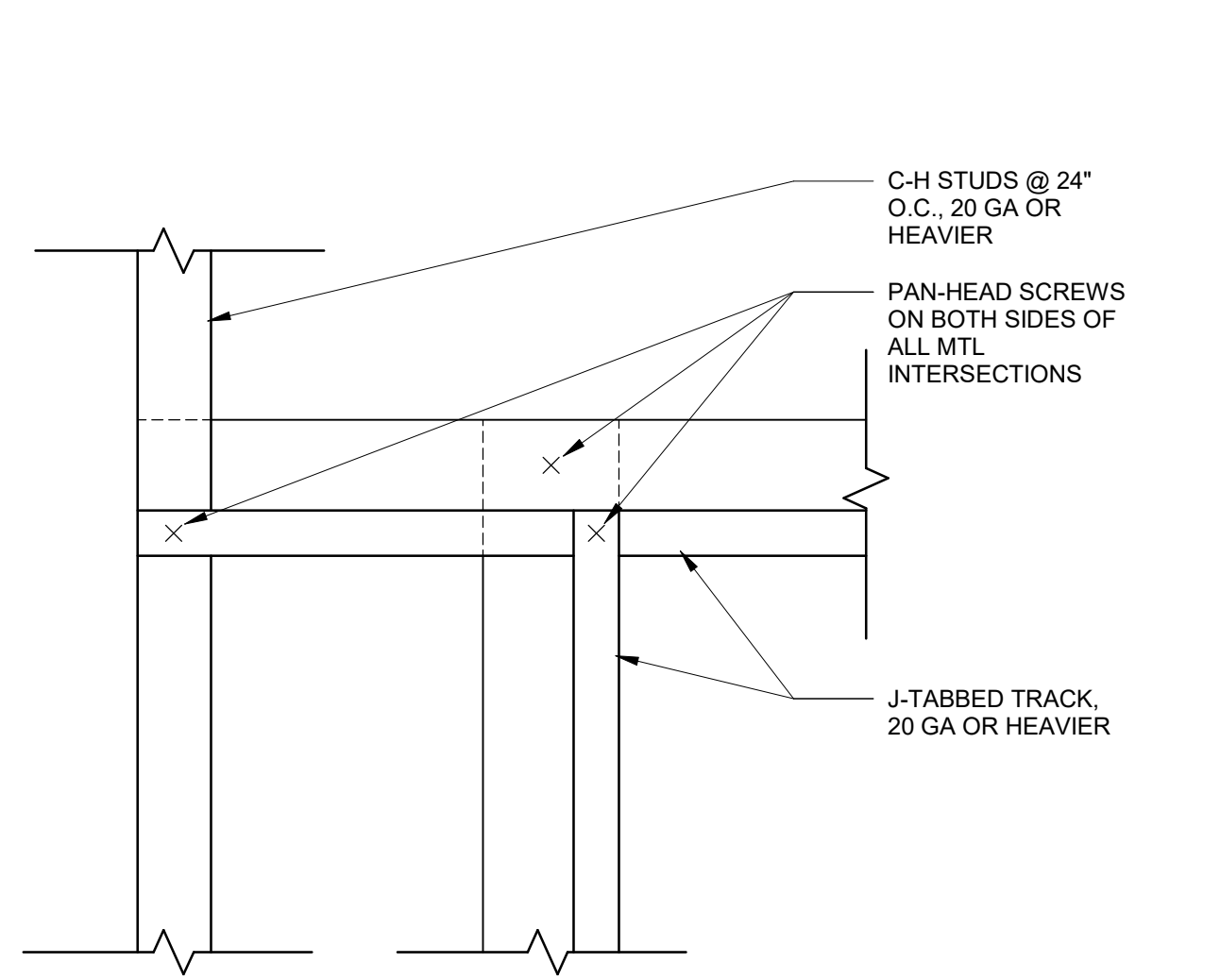
5 SHAFT HEAD OF WALL W/ SHAFT CEILING
3" = 1'-0"



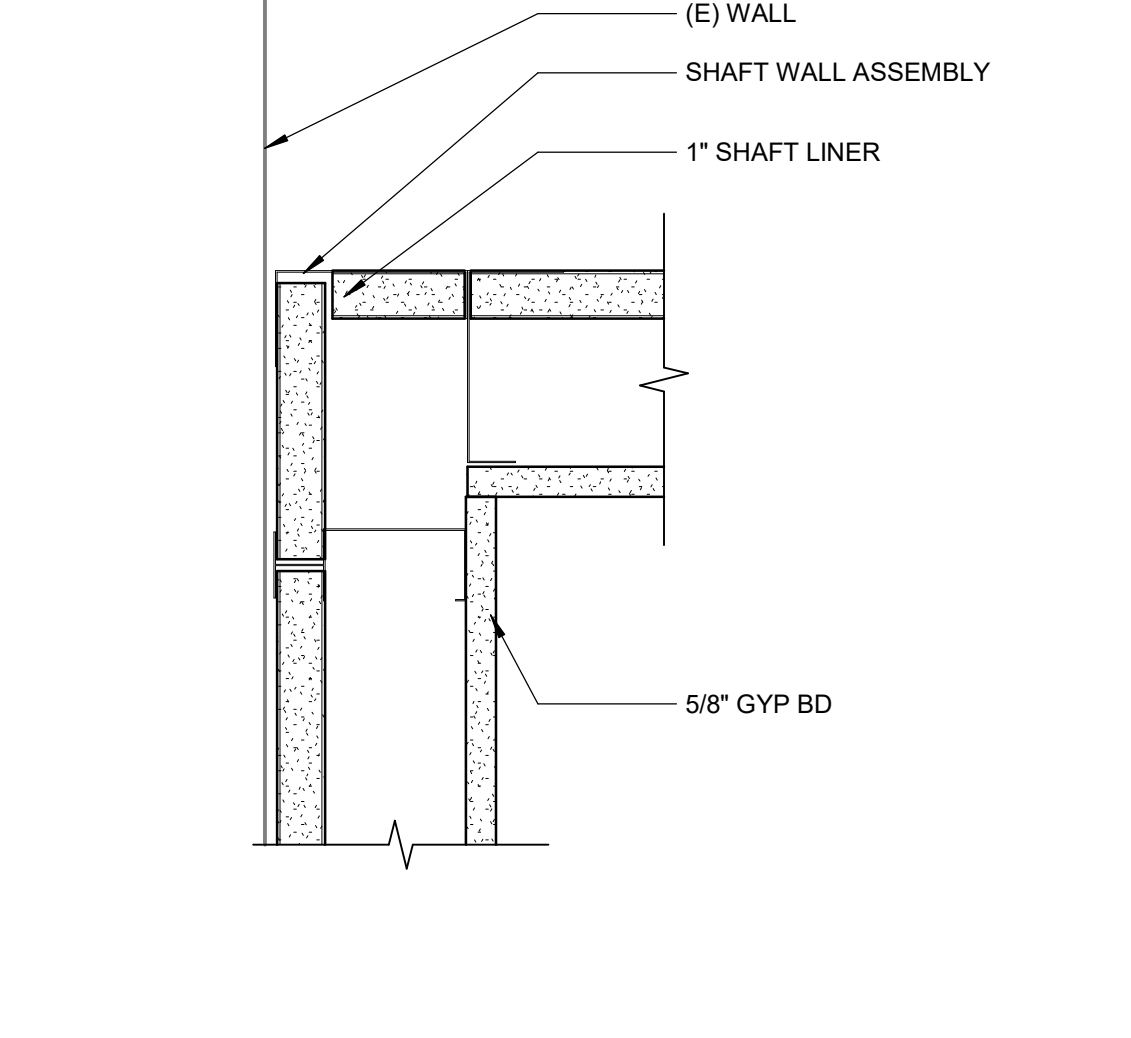
9 SHAFT WALL - HEAD (JAMB SIM)
3" = 1'-0"



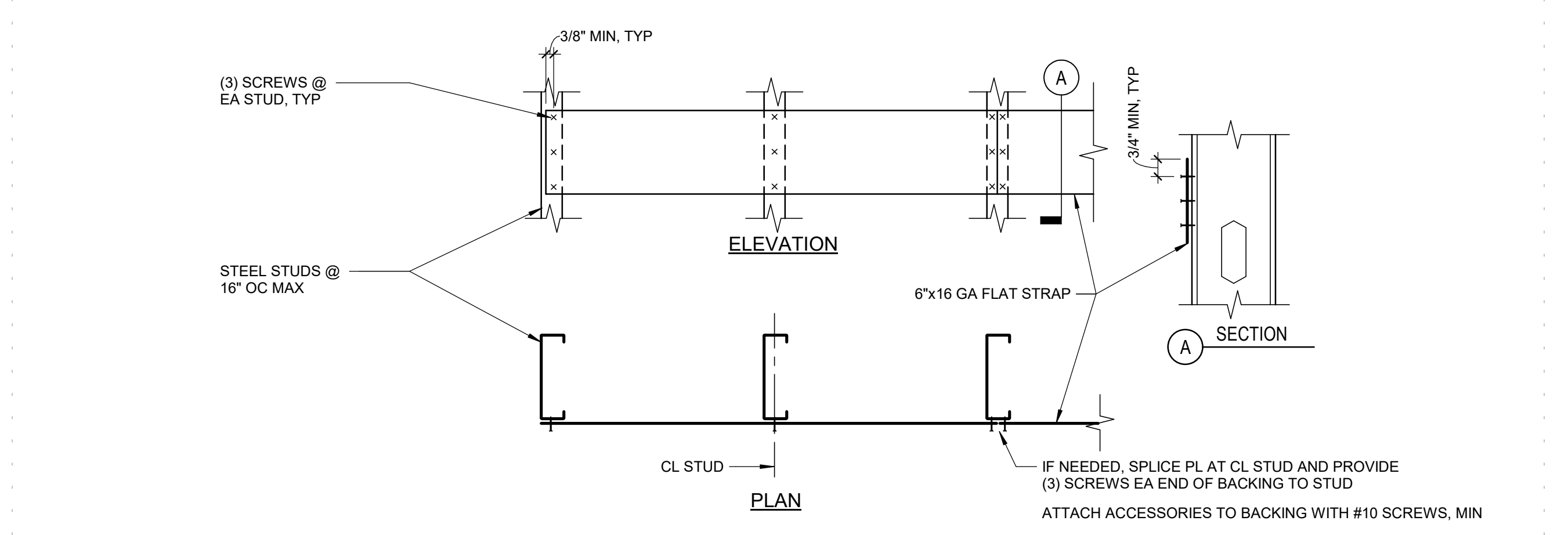
2 TYP STEEL TOP TRACK FRAMING AT CORNERS, INTERSECTIONS, AND SPLICES
SCALE: NTS



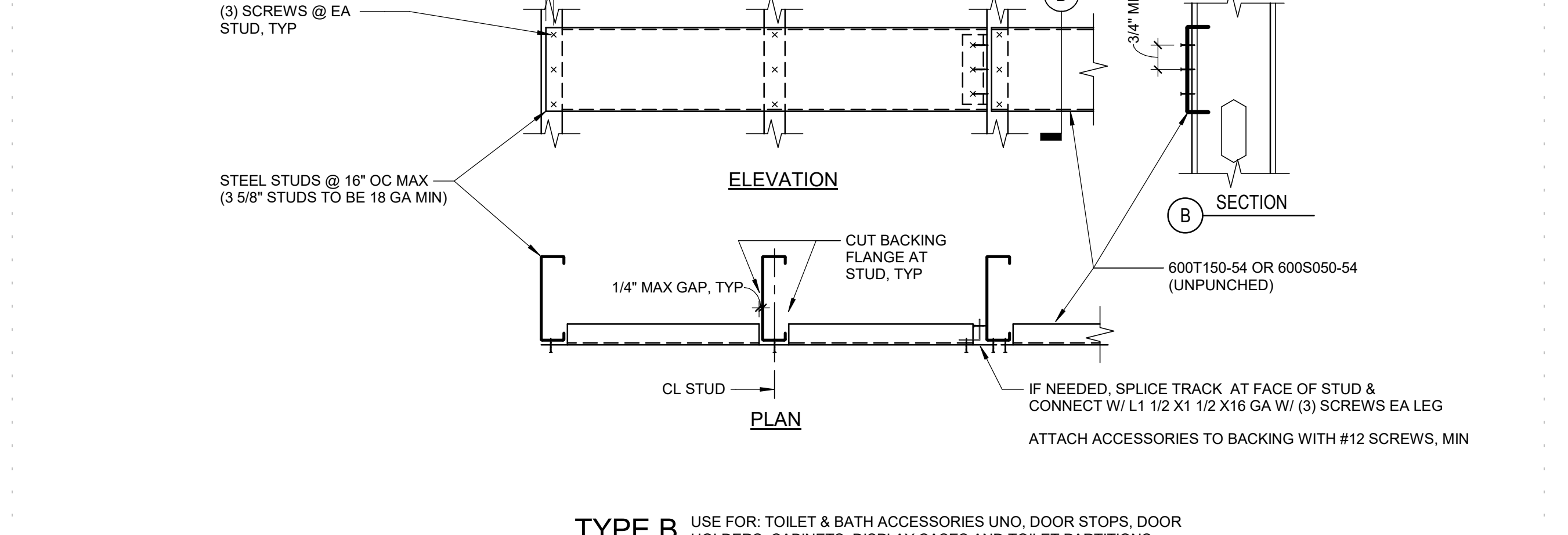
6 OPNG INSIDE CRNR (SHAFT WALL)
3" = 1'-0"



10 SHAFT WALL - CORNER FRAMING - PLAN
3" = 1'-0"



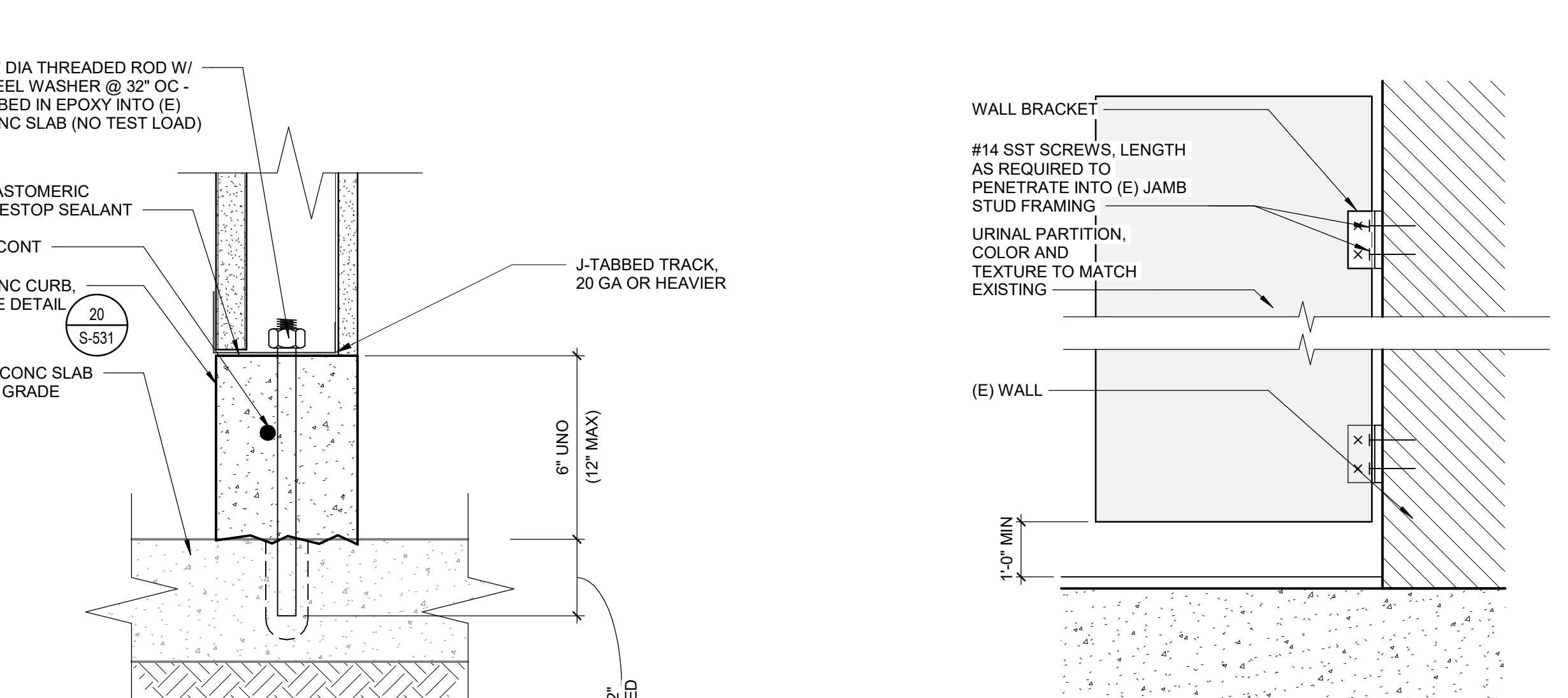
8 TYP STEEL STUD WALL BACKING PLATE
SCALE: NTS



7 SHAFT WALL SILL
3" = 1'-0"

SHAFT WALL COMPONENT SECTION PROPERTIES

| COMPONENT | USG PRODUCT IDENTIFICATION | MEMBER DEPTH, d (in) | FLANGE WIDTH, b (in) | MILS | REF GA | AREA, A (in ²) | EFFECTIVE AREA, A _e (in ²) | S _x (in ³) |
|----------------|----------------------------|----------------------|----------------------|------|--------|----------------------------|---|-----------------------------------|
| C-H STUDS | 212CH-18 | 2 1/2 | 1 1/2 | 18 | 25 | 0.1524 | 0.129 | 0.093 |
| | 212CH-34 | 2 1/2 | 1 1/2 | 34 | 20 | 0.2910 | 0.239 | 0.1741 |
| | 400CH-18 | 4 | 1 1/2 | 18 | 25 | 0.1798 | 0.383 | 0.162 |
| | 400CH-34 | 4 | 1 1/2 | 34 | 20 | 0.3433 | 0.730 | 0.318 |
| DOUBLE E-STUDS | 600CH-34 | 6 | 1 1/2 | 34 | 20 | 0.4227 | 1.988 | 0.569 |
| | 600ES-18 | 6 | 2 | 18 | 25 | 0.3982 | 2.004 | 0.628 |
| J-RUNNER | 600ES-34 | 6 | 2 | 34 | 20 | 0.6304 | 3.400 | 1.094 |
| | 212JR-23 | 2 1/2 | 1 & 2 | 23 | 24 | 0.1346 | 0.117 | 0.085 |
| | 212JR-34 | 2 1/2 | 1 & 2 | 34 | 20 | 0.2039 | 0.192 | 0.130 |
| | 400JR-23 | 4 | 1 & 2 | 23 | 24 | 0.1705 | 0.351 | 0.163 |
| | 400JR-34 | 4 | 1 & 2 | 34 | 20 | 0.2577 | 0.574 | 0.251 |
| | 600JR-23 | 6 | 1 & 2 | 23 | 24 | 0.2163 | 0.937 | 0.295 |
| JAMB STRUT | 600JR-34 | 6 | 1 & 2 | 34 | 20 | 0.3295 | 1.523 | 0.457 |
| | 212JS-34 | 2 1/2 | 1 & 3 | 34 | 20 | 0.2398 | 0.226 | 0.143 |
| | 400JS-34 | 4 | 1 & 3 | 34 | 20 | 0.2936 | 0.647 | 0.270 |
| | 600JS-34 | 6 | 1 & 3 | 34 | 20 | 0.3654 | 1.673 | 0.485 |



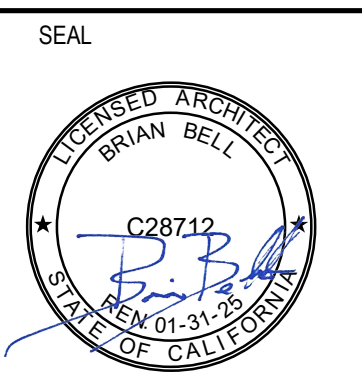
16 URINAL PARTITION ATTACHMENT
3" = 1'-0"

LEGEND

- (E) = EXISTING
 ADO = AUTOMATIC DOOR OPERATOR
 ADC = AUTOMATIC DOOR CLOSER
 CR = CARD READER
 EL = ELECTRIC LOCK
 HDW GP = HARDWARE GROUP
 HO = HOLD OPEN
 PH = PANIC HARDWARE
 V = VINYL STRIPS
- MATERIAL**
 ALUM = ALUMINUM
 DHM = DETENTION HOLLOW METAL
 CR = COLD ROLLED METAL
 SST = STAINLESS STEEL
 WD = WOOD
- FINISH**
 ANOD = ANODIZED
 FRP = FIBER REINFORCED PLASTIC
 PLAM = PLASTIC LAMINATE
 PT = PAINT
 ST = STAIN
- GLASS LEGEND:**
 GL = GLASS
 LG = LEADED GLASS
 RG = RATED GLASS
 SG = SPANDREL GLASS
 TG = TEMPERED GLASS
- GLASS LEGEND NOTES:**
 1. SEE SPECS FOR GLASS TYPES NOTED

COLD-FORMED STEEL SHAFT WALL

- SHAFT WALL ASSEMBLY SHALL BE DESIGNED TO UL 415
- THE DESIGN, INSTALLATION AND CONSTRUCTION OF COLD-FORMED STEEL SHAFT WALL FRAMING SHALL COMPLY WITH THE REQUIREMENTS OF FIRE-RESISTANCE RATED ASSEMBLIES INDICATED IN THE UNITED STATES GYPSUM (USG) SYSTEM FOLDER SA926.
- PRODUCTS SHALL BE MANUFACTURED BY OR FOR THE UNITED STATES GYPSUM COMPANY AND COMPLY WITH ICC AER-09036.
- STEEL MEMBERS SHALL COMPLY WITH ASTM C645.
- ALL STEEL SHAFT WALL MEMBERS SHALL HAVE THE MINIMUM EFFECTIVE STRUCTURAL SECTION PROPERTIES AS GIVEN IN TABLES BELOW.
- J-RUNNERS AND JAMB STRUT SHALL BE ASTM A653 SS GRADE 33 FOR 24GA. MINIMUM THICKNESS AND ASTM A653 SS GRADE 40 FOR 20GA MINIMUM THICKNESS.
- C-H AND E STUDS SHALL BE MANUFACTURED FROM COLD ROLL-FORMED LIGHT GAUGE STEEL CONFORMING TO ASTM A653 SS GRADE 33 FOR 25GA THICKNESS AND ASTM A653 SS GRADE 40 FOR 20GA MINIMUM THICKNESS.



PROJECT
JOHN F KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADE

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

| MARK | DATE | DESCRIPTION |
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DETAILS

SHEET
A-532

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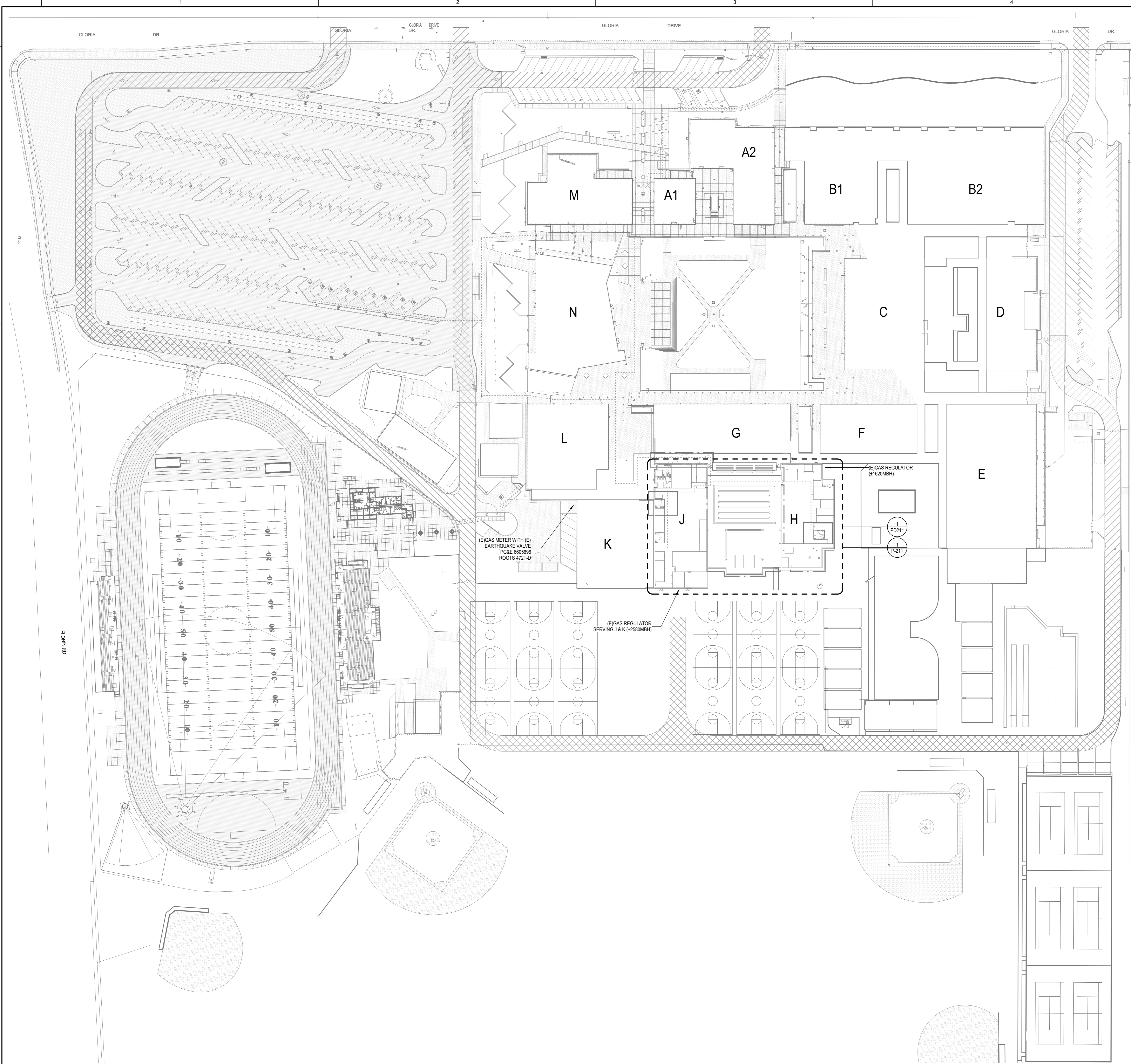
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Autodesk Docs: 10/20/24 10:45 AM J:\PMS Pool Upgrades\02294_Mech\STR_024_CENTRAL.rvt

4/30/2024 9:14:45 AM



1 PLUMBING SITE PLAN
 P-101 SCALE: 1" = 50'-0"

PLUMBING SHEET NOTES:

1. ANY MATERIAL REQUIRED FOR WORK NOT READILY AVAILABLE FOR PURCHASE SHALL HAVE LEAD TIME INDICATED ON THE BID AND ON THE SUBMITTALS. SUCCESSFUL PROCUREMENT OF ALL MATERIALS REQUIRED FOR THE COMPLETION OF WORK SHALL BE ASCERTAINED BY CONTRACTOR PRIOR TO SCHEDULING OF WORK.
2. EXISTING PLUMBING LAYOUT ARE BASED FROM AVAILABLE RECORD DRAWINGS OF UNKNOWN ACCURACY. ACTUAL CONDITIONS MAY BE DIFFERENT ESPECIALLY FOR THOSE WITHIN CONCEALED SPACES AND/OR UNDERGROUND. CONTRACTOR SHALL INVESTIGATE EXISTING PIPE ROUTE, ELEVATION, SIZE AND CONDITION THRU VISUAL OBSERVATIONS, POT-HOLING, RADAR INSPECTION OR OTHER MEANS NECESSARY TO COMPLETE WORK. WELL AHEAD OF NEW PIPE INSTALLATION, SCHEDULE WORK ACCORDINGLY TO PROVIDE ENOUGH TIME TO FIND SOLUTIONS SHOULD VERIFIED INFORMATION BE DIFFERENT FROM HEREWIT. REFLECT ALL FINDINGS ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES, AND ON AS-BUILT DRAWINGS.
3. FOR CONNECTIONS TO EXISTING PIPE FOUND SMALLER THAN WHAT IS SHOWN ON PLANS. FIELD VERIFY TO LOCATE & CONNECT TO CLOSEST LARGEST PIPE UPSTREAM FOR SUPPLY PIPING. FOR DRAIN PIPING, FIELD VERIFY TO LOCATE & CONNECT TO CLOSEST LARGEST PIPE OF SUFFICIENT DEPTH DOWNSTREAM. REFLECT ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES.
4. CONTRACTOR SHALL PREPARE AND MAINTAIN AS-BUILT DRAWINGS OF ALL PLUMBING SYSTEMS AS INSTALLED AT THE JOB SITE. DRAWN BY CONTRACTOR OVER THE DESIGN PLANS. THEY SHALL BE READILY AVAILABLE TO VIEW & INSPECT UPON REQUEST BY PROJECT INSPECTOR, ENGINEER OR OWNER. AS-BUILTS SHALL CLEARLY SHOW CHANGES, REVISIONS, CLARIFICATIONS & SUBSTITUTIONS INSTALLED IN THE PROJECT INCLUDING BUT NOT LIMITED TO: EXACT PIPE ROUTE ESPECIALLY THOSE CONCEALED AND/OR UNDERGROUND. UNDERGROUND PIPE ELEVATIONS, PIPE SIZES, DIMENSIONS FROM WALLS/GRID LINES OF ANY REROUTED PIPE. RFI/CC/ASI TAG AS REFERENCE TO WHERE CHANGES OCCURRED FROM IF ANY, AND ANY INFORMATION THAT MAY CLARIFY HOW SYSTEMS & COMPONENTS HAD BEEN INSTALLED OR HOW IT DIFFERS FROM ORIGINAL DESIGN PLANS. REFERENCE TO AN RFI/CC/ASI ALONE SHALL NOT CONSTITUTE COMPLETE AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE IN HARD COPY AND DIGITAL (PDF) FORMAT. AS-BUILTS AND QUALITY OF SUCH ARE CRITICAL REQUIREMENTS FOR MAINTENANCE UPKEEP AND FOR USE AS BASIS FOR POSSIBLE FUTURE CONSTRUCTION IMPROVEMENTS WHERE SUCH COMPLETELY RELIES ON CONTRACTOR. CONTRACTOR SHALL PROVIDE "AS-BUILT" TAG AND CONTRACTOR INFORMATION ON ALL AS-BUILT SHEETS.
5. REFER TO CIVIL DRAWINGS, ELECTRICAL & ALL OTHER DISCIPLINE DRAWINGS WITH SITE PLAN FOR LOCATION OF OTHER UTILITIES, LOCATION OF TREES, GRADING AND PAVING INFORMATION, AND OTHER INFORMATION THAT MAY AFFECT WORK. COORDINATE EXACT ROUTE THRU SHOP DRAWINGS AMONGST TRADES CONCERNED AT SITE.
6. FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AT SITE. REROUTE ANY PIPING THAT MAY CONFLICT WITH NEW CONSTRUCTION. COORDINATE AMONGST TRADES.
7. ALL EXISTING FACILITIES TO REMAIN SHALL BE IN OPERATION DURING TIME OF CONSTRUCTION. PROVIDE TEMPORARY VALVES, PIPING, FITTINGS, GAS METERS, BACKFLOW DEVICES, ETC. AND ANY TEMPORARY STRUCTURE THAT MAY BE REQUIRED FOR THE INSTALLATION OF TEMPORARY FACILITIES.
8. COORDINATE CONSTRUCTION WORK AND SCHEDULE OF WORK WITH SCHOOL DISTRICT. CONTRACTOR SHALL INCLUDE IN BID MEANS AND/OR METHODS REQUIRED FOR THE WORK INCLUDING ANY REQUIRED SERVICE SHUT DOWNS, TEMPORARY LINES, ROAD CLOSURES, SPECIAL INSPECTIONS, ETC. TO ACCOMPLISH SCOPE. SCHEDULING OF WORK SHALL BE AMICABLE BETWEEN OWNER AND CONTRACTOR.
9. PROVIDE SLEEVES ON ANY GAS PIPING RUNNING UNDERGROUND BENEATH ANY SHADE STRUCTURE WITH INTEGRAL SLAB. SEE STRUCTURAL DRAWINGS AND GEO-TECHNICAL REPORT IF ANY. FOR TRENCHING BETWEEN/AROUND STRUCTURES FOUNDATION.
10. CONTRACTOR SHALL FOLLOW GENERAL PIPE ROUTE AND VALVE LOCATIONS, AND GENERAL ORDER OF SYSTEM COMPONENTS SHOWN ON PLANS. ADJUST PIPE ELEVATIONS OR ROUTING TO AVOID STRUCTURAL COMPONENTS & OTHER BUILDING COMPONENTS WHEN POSSIBLE. IF NECESSARY & IF AMICABLE BETWEEN TRADES COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY PIPE FABRICATION OR INSTALLATION.

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 www.lionakis.com

CONSULTANT

capital engineering
 RANCHO CORDOVA, CALIFORNIA
 MB - JV 232142.00
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SEAL

PROJECT
JOHN F KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADE

6715 GLORIA DR
 SACRAMENTO, CA 95831

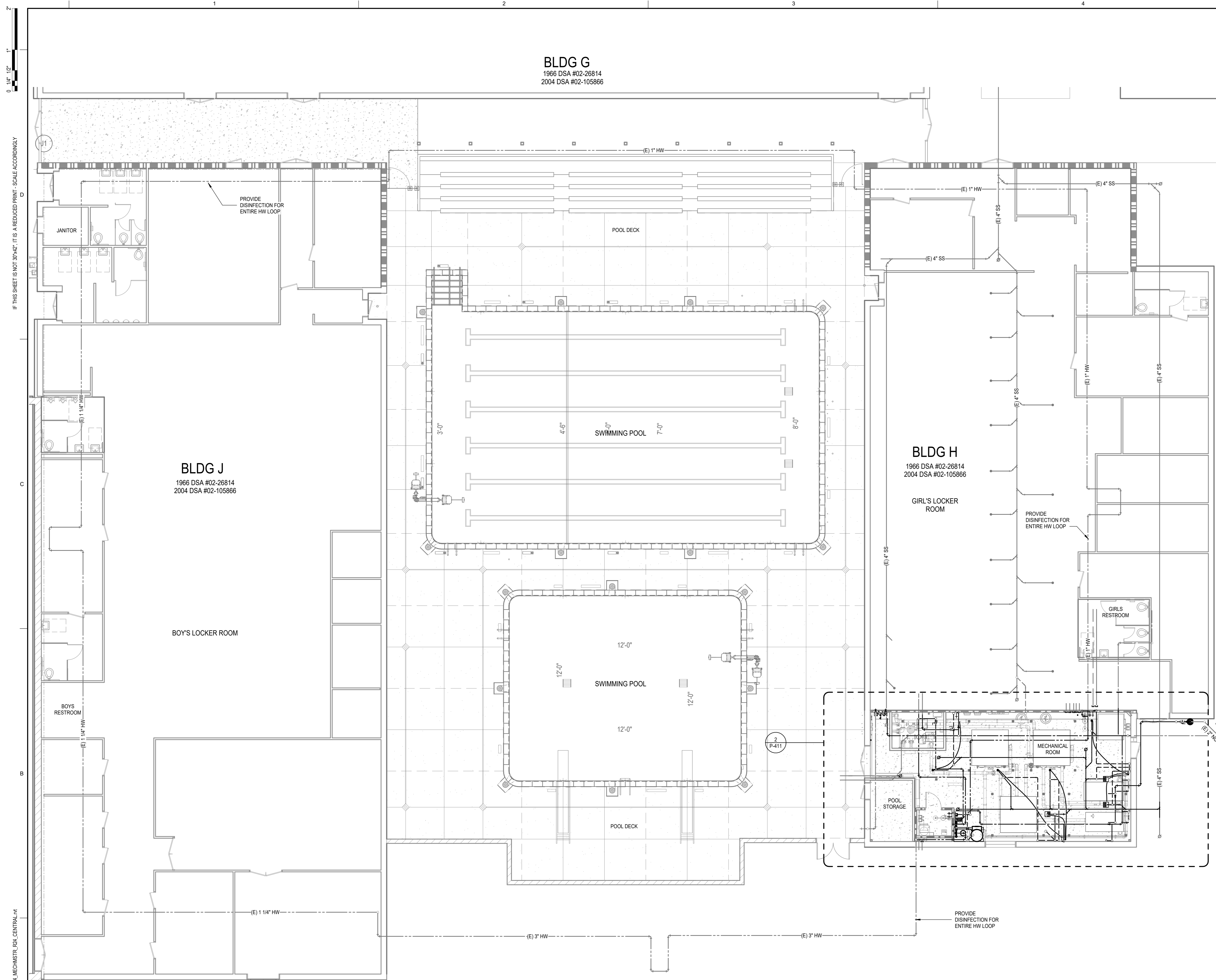
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TITLE
PLUMBING SITE PLAN

SHEET
P-101



BLDG G
1966 DSA #02-26814
2004 DSA #02-105866

BLDG J
1966 DSA #02-26814
2004 DSA #02-105866

BLDG H
1966 DSA #02-26814
2004 DSA #02-105866

1 PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLUMBING SHEET NOTES:

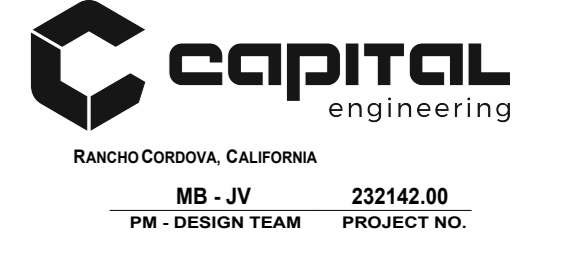
- ALL WORK FOR THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE FULLY COORDINATED BETWEEN THE CONTRACTOR AND THE OWNER. THE ARCHITECT AND ENGINEERS THAT HAVE CREATED THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE NOT RESPONSIBLE FOR SPECIFYING REQUIREMENTS FOR, OR CONSTRUCTION OBSERVATION OF, HAZARDOUS MATERIAL REMOVAL. THE OWNER SHALL PROVIDE SEPARATE DOCUMENTS REQUIRED FOR HAZARDOUS MATERIAL REMOVAL AND SEPARATE CONSTRUCTION OBSERVATION OF HAZARDOUS MATERIAL REMOVAL. CONTACT OWNER FOR MORE INFORMATION.
- ANY MATERIAL REQUIRED FOR WORK NOT READILY AVAILABLE FOR PURCHASE SHALL HAVE LEAD TIME INDICATED ON THE BID AND ON THE SUBMITTALS. SUCCESSFUL PROCUREMENT OF ALL MATERIALS REQUIRED FOR THE COMPLETION OF WORK SHALL BE ASCERTAINED BY CONTRACTOR PRIOR TO SCHEDULING OF WORK.
- ALL FINISH FLOOR ELEVATIONS (FF) BASED FROM CIVIL GRADING DRAWINGS. PLEASE REFER TO CIVIL DRAWINGS FOR MORE INFORMATION. SEE VALUES ARE ALL BASED FROM FINISH FLOOR ELEVATION INSIDE BUILDING. COORDINATE EXACT ELEVATIONS THRU SHOP DRAWINGS AND AT SITE.
- EXISTING PLUMBING LAYOUT ARE BASED FROM AVAILABLE RECORD DRAWINGS OF UNKNOWN ACCURACY. ACTUAL CONDITIONS MAY BE DIFFERENT ESPECIALLY FOR THOSE WITHIN CONCEALED SPACES AND/OR UNDERGROUND. CONTRACTOR SHALL INVESTIGATE EXISTING PIPE ROUTE, ELEVATION, SIZE AND CONDITION, THRU VISUAL OBSERVATIONS, MEASUREMENTS, AND/OR OTHER MEANS NECESSARY TO COMPLETE WORK. WELL AHEAD OF NEW PIPE INSTALLATION. SCHEDULE WORK ACCORDINGLY TO PROVIDE ENOUGH TIME TO FIND SOLUTIONS SHOULD VERIFIED INFORMATION BE DIFFERENT FROM HEREWITH. REFLECT ALL FINDINGS ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES, AND ON AS-BUILT DRAWINGS.
- SEE PREVIOUS AS-BUILT DRAWINGS FOR CONTINUATION OF EXISTING PLUMBING UTILITIES OUTSIDE OF THIS PROJECT'S SCOPE FOR REFERENCE.
- FOR CONNECTIONS TO EXISTING PIPE FOUND SMALLER THAN WHAT IS SHOWN ON PLANS, FIELD VERIFY TO LOCATE CLOSEST LARGEST PIPE UPSTREAM FOR SUPPLY PIPING. FOR DRAIN PIPING, FIELD VERIFY TO LOCATE CLOSEST LARGEST PIPE OF SUFFICIENT DEPTH DOWNSTREAM. REFLECT ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES.
- PROVIDE TEMPORARY UTILITIES TO ALL FIXTURES & EQUIPMENT TO REMAIN IN SERVICE DURING CONSTRUCTION PERIOD.
- COORDINATE CONSTRUCTION WORK AND SCHEDULE OF WORK WITH SCHOOL DISTRICT. CONTRACTOR SHALL INCLUDE IN BID MEANS AND/OR METHODS REQUIRED FOR THE WORK INCLUDING ANY REQUIRED SERVICE SHUT DOWNS, TEMPORARY LINES, ROAD CLOSURES, SPECIAL INSPECTIONS, ETC. TO ACCOMPLISH SCOPE. SCHEDULING OF WORK SHALL BE AMICABLE BETWEEN OWNER AND CONTRACTOR.
- CONTRACTOR SHALL FOLLOW GENERAL PIPE ROUTE AND VALVE LOCATIONS, AND GENERAL ORDER OF SYSTEM COMPONENTS SHOWN ON PLANS. ADJUST PIPE ELEVATIONS OR ROUTING TO AVOID STRUCTURAL COMPONENTS & OTHER BUILDING COMPONENTS WHEN POSSIBLE. IF NECESSARY & ONCE AMICABLE BETWEEN TRADES, COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY PIPE FABRICATION OR INSTALLATION.
- CONTRACTOR SHALL PREPARE AND MAINTAIN AS-BUILT DRAWINGS OF ALL PLUMBING SYSTEMS AS INSTALLED AT THE JOB SITE. DRAWN BY CONTRACTOR OVER THE DESIGN PLANS. THEY SHALL BE READILY AVAILABLE TO VIEW & INSPECT UPON REQUEST BY PROJECT INSPECTOR, ENGINEER OR OWNER. AS-BUILTS SHALL CLEARLY SHOW CHANGES, REVISIONS, CLARIFICATIONS & SUBSTITUTIONS INSTALLED IN THE PROJECT INCLUDING BUT NOT LIMITED TO: EXACT PIPE ROUTE ESPECIALLY THOSE CONCEALED AND/OR UNDERGROUND, UNDERGROUND PIPE ELEVATIONS, PIPE SIZES, DIMENSIONS FROM WALL/GRID LINES OF ANY REROUTED PIPE, RFI/CDC/ASI TAG AS REFERENCE TO WHERE CHANGES OCCURRED FROM IF ANY, AND ANY INFORMATION THAT MAY CLARIFY HOW SYSTEMS & COMPONENTS HAD BEEN INSTALLED OR HOW IT DIFFERS FROM ORIGINAL DESIGN PLANS. REFERENCE TO AN RFI/CDC/ASI ALONE SHALL NOT CONSTITUTE COMPLETE AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE IN HARD COPY AND DIGITAL (PDF) FORMAT. AS-BUILTS AND QUALITY OF SUCH ARE CRITICAL REQUIREMENTS FOR MAINTENANCE UPKEEP AND FOR USE AS BASIS FOR POSSIBLE FUTURE CONSTRUCTION IMPROVEMENTS. FUTURE DESIGNER/CONTRACTOR WOULD RELY ON CONTRACTOR SHALL PROVIDE "AS-BUILT" TAG AND CONTRACTOR INFORMATION ON ALL AS-BUILT SHEETS.
- CONNECT WASTE, VENT & COLD WATER LINES TO ALL NEW FIXTURES. SEE FIXTURE SCHEDULE FOR BRANCH AND FIXTURE OUTLET/INLET CONNECTION SIZES.
- HORIZONTAL DRAINAGE PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AND A UNIFORM SLOPE OF NOT LESS THAN 2% TOWARD THE POINT OF DISPOSAL UNLESS IMPRACTICAL DUE TO BUILDING'S STRUCTURAL FEATURES, OR IF CONNECTING TO EXISTING PIPE AT ITS EXISTING UPSTREAM/DOWNSTREAM DEPTH IS IMPOSSIBLE WITHOUT SLOPING LESS THAN 2%. IN SUCH CONDITIONS, PIPE CAN BE SLOPED AT NO LESS THAN 1%. COORDINATE SHOP DRAWINGS AMONGST TRADES PRIOR TO FABRICATION AND INSTALLATION THEN REFLECT ALL CHANGES ON THE AS-BUILT DRAWINGS.
- COORDINATE ALL CONNECTION POINTS AMONGST TRADES AT SITE PRIOR TO FABRICATION OR INSTALLATION.
- UNLESS INSIDE UTILITY ROOMS, ALL OVERHEAD PIPING INSIDE ROOM WITH AN EXPOSED CEILING SHALL HAVE THE PIPING INSTALLED AS HIGH AS POSSIBLE. FULLY COORDINATE AMONGST TRADES.
- ALL PUMPED CONDENSATE DRAIN LINES (PCD) SHALL SLOPE AND DISCHARGE DOWN TO A GRAVITY CD BY A MINIMUM OF 8" TO AVOID BACKFLOW TO MECH UNIT.
- SEDIMENT TRAPS ON A GAS CONNECTION SHALL BE INSTALLED AS ILLUSTRATED ON CPC FIGURE 1212.9 OF THE 2022 CPC. INCOMING GAS FLOW SHALL ALWAYS COME FROM THE TOP TO ALLOW SEDIMENTS SETTLE IN DOWN IN THE TRAP. A TEE BEFORE TRAP SHALL SERVE AS THE BRANCH CONNECTING TO THE APPLIANCE.
- ALL VALVES ABOVE CEILING, ACCESSIBLE THRU ACCESS PANELS WITH AN OPENING OF NO MORE THAN 14"X14". SHALL BE WITHIN ARMS REACH FROM THE ACCESS PANEL OPENING.
- PRIME AND PAINT ALL EXPOSED PIPING TO MATCH ARCHITECTURAL FINISH. KEEP PAINT OFF OF TAGS AND MARKS IDENTIFYING SYSTEM, SIZE, MODEL OR OTHER IMPORTANT INFORMATION.
- PROTECT ALL INSTALLED DRAINS, DRAIN STRAINERS, EQUIPMENT COMPONENTS, FIXTURES ESPECIALLY THOSE WITH STAINLESS STEEL SURFACES FROM DAMAGE. PLUMBING SYSTEM SHALL BE CLEAN, UNDAMAGED, WORKING AND IN NEW CONDITION UP TO HAND OFF TO OWNER. SEE SPECIFICATIONS FOR MORE INFORMATION ON CLOSING DCC.
- NO EXPOSED PIPING SHALL BE LEFT TO RUST OR SUBJECTED TO CONDITIONS DETRIMENTAL TO THE PIPE WITHOUT PROVIDING PROTECTION, TEMPORARY OR OTHERWISE, SUITABLE FOR THE TYPE OF PIPE BEING PROTECTED.
- CLOSELY COORDINATE PENETRATIONS THRU STRUCTURAL MEMBERS AMONGST TRADES AT THE SITE THRU SHOP DRAWINGS PRIOR TO CONSTRUCTION. PENETRATION THRU CONCRETE FOUNDATION SHALL BE PROPERLY SLEEVED WHEN REQUIRED. COORDINATE DROPPING FOOTING IF REQUIRED. ALL NOTCHES AND HOLES SHALL BE NEATLY BORED. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION. <<LOOK FOR THAT JOB>>
- THERE SHALL BE NO PIPING WITHIN ELECTRICAL EQUIPMENT'S DEDICATED SPACE. ELECTRICAL EQUIPMENT SUCH AS PANEL BOARDS, SWITCHBOARDS AND MOTOR CONTROL CENTERS LOCATED INDOORS MUST HAVE EXCLUSIVE DEDICATED SPACE FROM THE FLOOR UPWARD TO YET ABOVE THE EQUIPMENT. THE TOOTH AND DEPTH OF THE EQUIPMENT. COORDINATE SHOP DRAWINGS AMONGST TRADES LOCATING ALL ELECTRICAL EQUIPMENT PRIOR TO ANY PIPE INSTALLATION. THERE SHALL ALSO BE NO PIPING ABOVE THE DEDICATED SPACE UNLESS PROTECTION IS PROVIDED FOR EQUIPMENT SHOULD THE PIPING LEAK OR BREAK.
- CONTRACTOR TO AVOID GROUNDING ELECTRICAL HARDWARES SUCH AS TELEPHONES TO AVAILABLE WATER LINES, WHEN POSSIBLE TO AVOID METALLIC TASTE IN WATER FROM DRINKING FOUNTAINS.

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SS FLS ACS
DATE: 05/09/2024

LIONAKIS

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PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

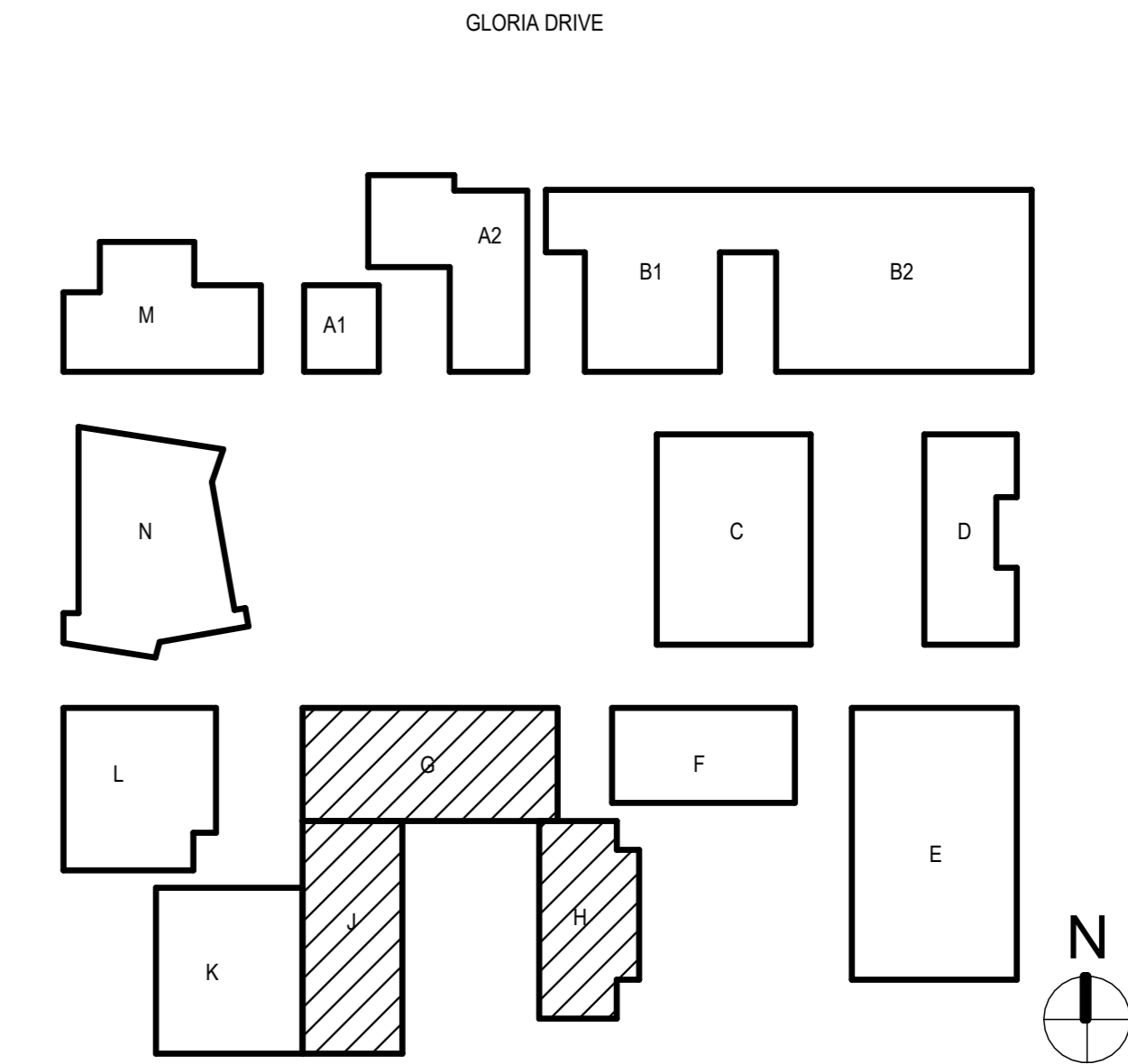
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KEYPLAN



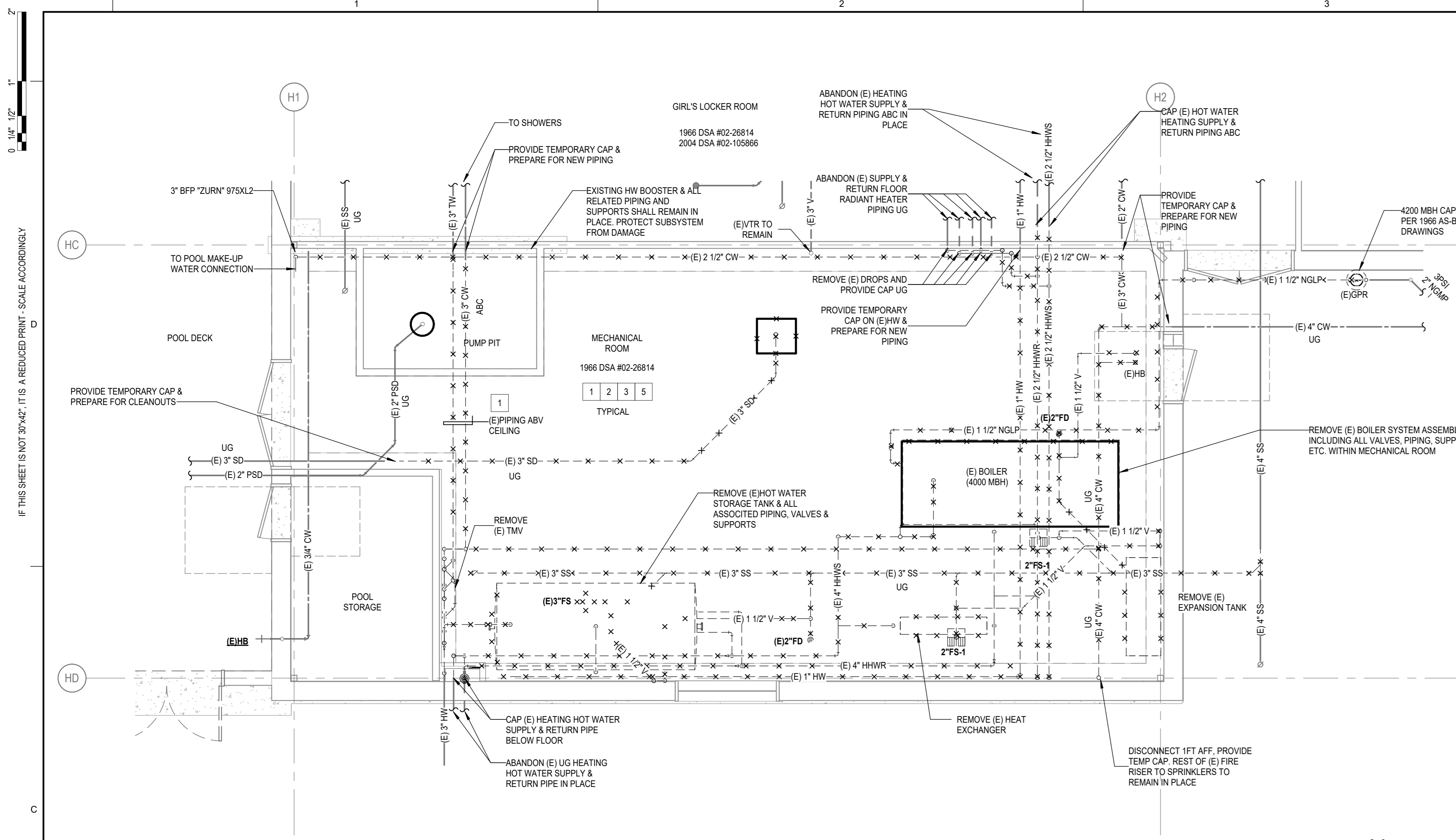
TITLE
PLUMBING FLOOR PLAN

SHEET
P-211

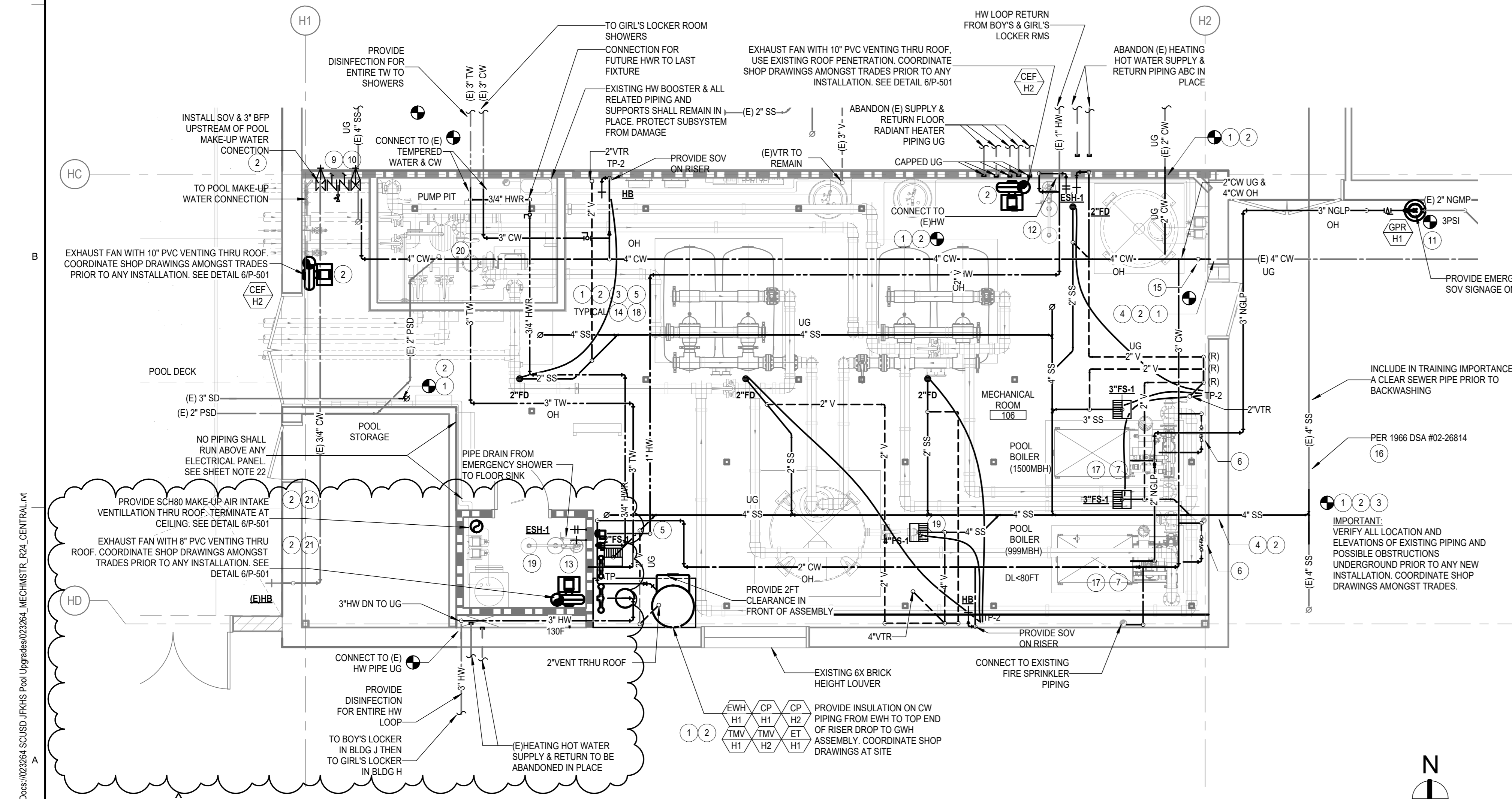
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1 ENLARGED PLUMBING DEMO PLAN - POOL MECHANICAL ROOM
 P-411 SCALE: 1/4" = 1'-0"



2 PLUMBING FLOOR PLAN
 P-411 SCALE: 1/4" = 1'-0"

PLUMBING DEMO KEY NOTES:

- 1 VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPE. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION. REFLECT ON AS-BUILT DRAWING IF DIFFERENT FROM HEREWITH.
- 2 VERIFY EXACT LOCATION OF ALL BUILDING COMPONENTS THAT MAY OBSTRUCT PATH OF NEW PIPING WELL AHEAD OF INSTALLATION. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS AND COORDINATE AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION. REROUTE PIPING IF REQUIRED. REFLECT ON AS-BUILT DRAWINGS IF DIFFERENT FROM HEREWITH.
- 3 ENSURE ALL CONDITIONS AFFECTING WORK, SUCH AS VERIFICATION OF TIE-IN ELEVATION TO EXISTING BY OTHERS, ARE WELL COORDINATED AMONGST TRADES PRIOR TO ANY INSTALLATION OR FABRICATION WORK. ADJUST PIPE ROUTE IF NEEDED. REFLECT ON AS-BUILT'S IF DIFFERENT FROM HEREWITH.
- 5 UNLESS NOTED OTHERWISE, REMOVE ALL EXISTING UNUSED MECHANICAL AND PLUMBING PIPING WITHIN MECHANICAL ROOM. COORDINATE ALL DEMO WORK AMONGST TRADES AND WITH SCHOOL DISTRICT PRIOR TO DEMO WORK.

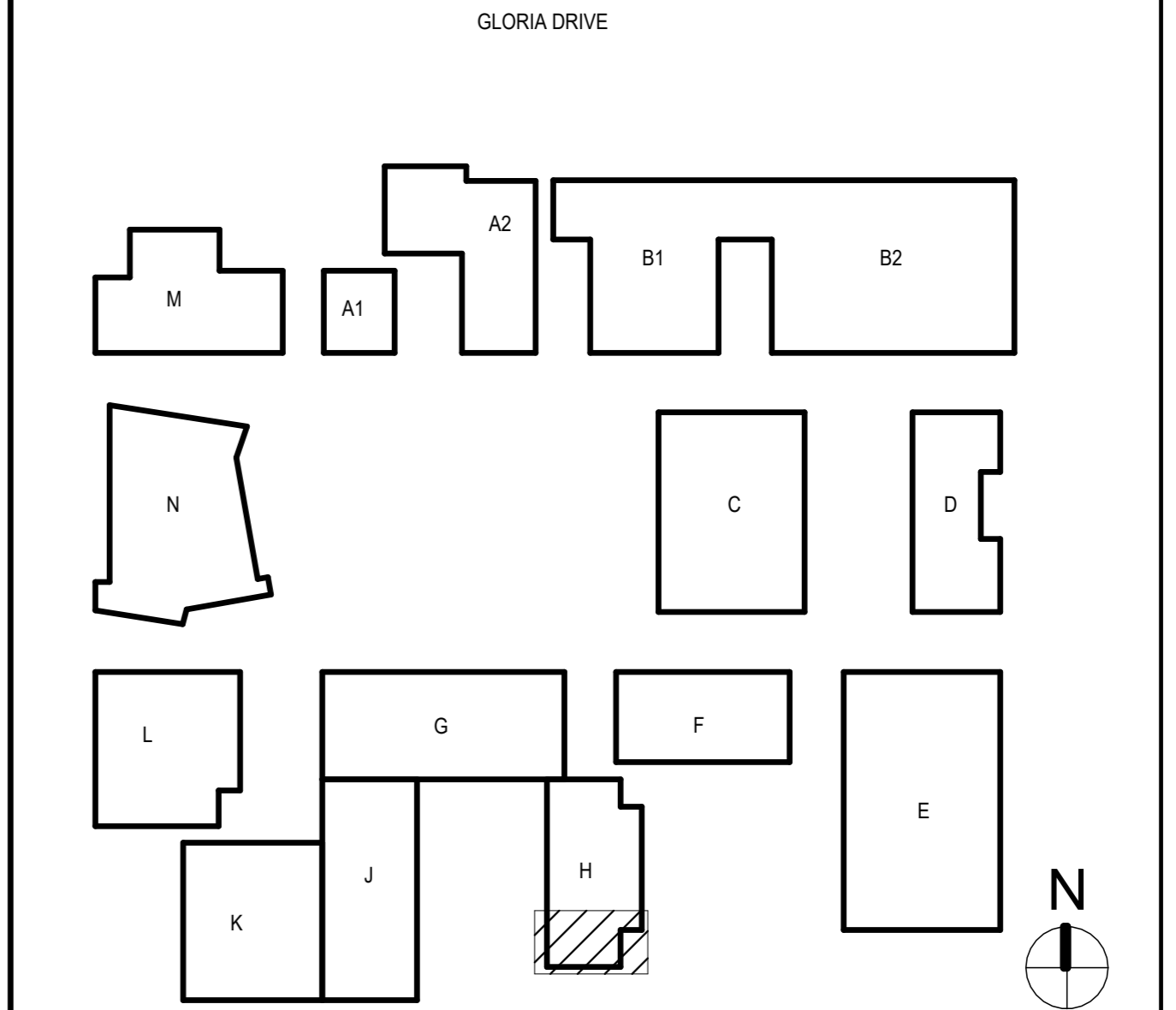
PLUMBING SHEET NOTES:

1. ALL WORK FOR THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE FULLY COORDINATED BETWEEN THE CONTRACTOR AND THE OWNER. THE ARCHITECT AND ENGINEERS THAT HAVE CREATED THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE NOT RESPONSIBLE FOR SPECIFYING REQUIREMENTS FOR, OR CONSTRUCTION OBSERVATION OF, HAZARDOUS MATERIAL REMOVAL. THE OWNER SHALL PROVIDE SEPARATE DOCUMENTS REQUIRED FOR HAZARDOUS MATERIAL REMOVAL AND SEPARATE CONSTRUCTION OBSERVATION OF HAZARDOUS MATERIAL REMOVAL. CONTACT OWNER FOR MORE INFORMATION.
2. ANY MATERIAL REQUIRED FOR WORK NOT READILY AVAILABLE FOR PURCHASE SHALL HAVE LEAD TIME INDICATED ON THE BID AND ON THE SUBMITTALS. SUCCESSFUL PROCUREMENT OF ALL MATERIALS REQUIRED FOR THE COMPLETION OF WORK SHALL BE ASCERTAINED BY CONTRACTOR PRIOR TO SCHEDULING OF WORK.
3. ALL FINISH FLOOR ELEVATIONS (FF) BASED FROM CIVIL GRADING DRAWINGS. PLEASE REFER TO CIVIL DRAWINGS FOR MORE INFORMATION. BFF VALUES ARE ALL BASED FROM FINISH FLOOR ELEVATION INSIDE BUILDING. COORDINATE EXACT ELEVATIONS THRU SHOP DRAWINGS AND AT SITE.
4. EXISTING PLUMBING LAYOUT ARE BASED FROM AVAILABLE RECORD DRAWINGS OF UNKNOWN ACCURACY. ACTUAL CONDITIONS MAY BE DIFFERENT ESPECIALLY FOR THOSE WITHIN CONCEALED SPACES AND/OR UNDERGROUND. CONTRACTOR SHALL INVESTIGATE EXISTING PIPE ROUTE, ELEVATION, SIZE AND CONDITION. VISUAL OBSERVATION, SFT VALVES, ROAD CLOSURES, SPECIAL INSPECTIONS, ETC. TO ACCOMPLISH SCOPE. WORK, WELL AHEAD OF NEW PIPE INSTALLATION. SCHEDULE WORK ACCORDINGLY TO PROVIDE ENOUGH TIME TO FIND SOLUTIONS SHOULD VERIFIED INFORMATION BE DIFFERENT FROM HEREWITH. REFLECT ALL FINDINGS ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES, AND ON AS-BUILT DRAWINGS.
5. SEE EXISTING AS-BUILT DRAWINGS FOR CONTINUATION OF EXISTING PLUMBING UTILITIES OUTSIDE OF THIS PROJECT'S SCOPE FOR REFERENCE.
6. FOR CONNECTIONS TO EXISTING PIPE FOUND SMALLER THAN WHAT IS SHOWN ON PLANS, FIELD VERIFY TO LOCATE CLOSEST LARGEST PIPE UPSTREAM FOR SUPPLY PIPING. FOR DRAIN PIPING, FIELD VERIFY TO LOCATE CLOSEST LARGEST PIPE OF SUFFICIENT DEPTH DOWNSTREAM. REFLECT ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES.
7. PROVIDE TEMPORARY UTILITIES TO ALL FIXTURES & EQUIPMENT TO REMAIN IN SERVICE DURING CONSTRUCTION PERIOD.
8. COORDINATE CONSTRUCTION WORK AND SCHEDULE OF WORK WITH SCHOOL DISTRICT. CONTRACTOR SHALL INCLUDE IN BID MEANS AND METHODS REQUIRED FOR THE WORK INCLUDING ANY REQUIRED SERVICE SHUT DOWNS, TEMPORARY LINES, ROAD CLOSURES, SPECIAL INSPECTIONS, ETC. TO ACCOMPLISH SCOPE. SCHEDULING OF WORK SHALL BE AMICABLE BETWEEN OWNER AND CONTRACTOR.
9. CONTRACTOR SHALL FOLLOW GENERAL PIPE ROUTE AND VALVE LOCATIONS, AND GENERAL ORDER OF SYSTEM COMPONENTS SHOWN ON PLANS. ADJUST PIPE ELEVATIONS OR ROUTING TO AVOID STRUCTURAL COMPONENTS & OTHER BUILDING COMPONENTS WHEN POSSIBLE. IF NECESSARY & ONCE AMICABLE BETWEEN TRADES, COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY PIPE FABRICATION OR INSTALLATION.
10. CONTRACTOR SHALL PREPARE AND MAINTAIN AS-BUILT DRAWINGS OF ALL PLUMBING SYSTEMS AS INSTALLED AT THE JOB SITE. DRAWN BY CONTRACTOR OVER THE DESIGN PLANS. THEY SHALL BE READILY AVAILABLE TO VIEW & INSPECT UPON REQUEST BY PROJECT INSPECTOR, ENGINEER OR OWNER. AS-BUILT'S SHALL CLEARLY SHOW CHANGES, REVISIONS, CLARIFICATIONS & SUBSTITUTIONS INSTALLED IN THE PROJECT INCLUDING BUT NOT LIMITED TO EXACT PIPE ROUTE ESPECIALLY THOSE CONCEALED AND/OR UNDERGROUND. UNDERGROUND PIPE ELEVATIONS, PIPE SIZES, DIMENSIONS FROM WALL/SIGRID LINES OF ANY REROUTED PIPE, RFI/CDD/ASI TAG AS REFERENCE TO WHERE CHANGES OCCURRED FROM IF ANY, AND ANY INFORMATION THAT MAY CLARIFY HOW SYSTEMS & COMPONENTS HAD BEEN INSTALLED OR HOW IT DIFFERS FROM ORIGINAL DESIGN PLANS. REFERENCE TO AN RFI/CDD/ASI ALONE SHALL NOT CONSTITUTE COMPLETE AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE IN HARD COPY AND DIGITAL (PDF) FORMAT. AS-BUILT'S AND QUALITY OF SUCH ARE CRITICAL REQUIREMENTS FOR MAINTENANCE UPKEEP AND FORWARD USE AS BASIS FOR POSSIBLE FUTURE CONSTRUCTION IMPROVEMENTS. FUTURE DESIGNER/CONTRACTOR WOULD RELY ON CONTRACTOR SHALL PROVIDE "AS-BUILT" TAG AND CONTRACTOR INFORMATION ON ALL AS-BUILT SHEETS.
11. CONNECT WASTE, VENT & COLD WATER LINES TO ALL NEW FIXTURES. SEE FIXTURE SCHEDULE FOR BRANCH AND FIXTURE OUTLET/INLET CONNECTION SIZES.
12. HORIZONTAL DRAINAGE PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AND A UNIFORM SLOPE OF NOT LESS THAN 2% TOWARD THE POINT OF DISPOSAL UNLESS IMPRACTICAL. DUE TO BUILDING'S STRUCTURAL FEATURES, OR IF CONNECTING TO EXISTING PIPE AT ITS EXISTING UPSTREAM/DOWNSTREAM DEPTH IS IMPOSSIBLE WITHOUT SLOPING LESS THAN 2% IN SUCH CONDITIONS, PIPE CAN BE SLOPED AT NO LESS THAN 1%. COORDINATE SHOP DRAWINGS AMONGST TRADES PRIOR TO FABRICATION AND INSTALLATION THEN REFLECT ALL CHANGES ON THE AS-BUILT DRAWINGS.
13. COORDINATE ALL CONNECTION POINTS AMONGST TRADES AT SITE PRIOR TO FABRICATION OR INSTALLATION.
14. UNLESS INSIDE UTILITY ROOMS, ALL OVERHEAD PIPING INSIDE ROOM WITH AN EXPOSED CEILING SHALL HAVE THE PIPING INSTALLED AS HIGH AS POSSIBLE. FULLY COORDINATE AMONGST TRADES.
15. ALL PUMPED CONDENSATE DRAIN LINES (PCD) SHALL SLOPE AND DISCHARGE DOWN TO A GRAVITY GD BY A MINIMUM OF 6" TO AVOID BACKFLOW TO MECH UNIT.
16. TRAPS ON A GAS CONNECTION SHALL BE INSTALLED AS ILLUSTRATED ON CPC FIGURE 1212.9 OF THE 2022 CPC. INCOMING GAS FLOW SHALL ALWAYS COME FROM THE TOP TO ALLOW SEDIMENTS SETTLE IN DOWN IN THE TRAP. A TEST BEFORE TRAP SHALL SERVE AS THE BRANCH CONNECTING TO THE APPLIANCE.
17. ALL VALVES ABOVE CEILING, ACCESSIBLE THRU ACCESS PANELS WITH AN OPENING OF NO MORE THAN 14"x14", SHALL BE WITHIN ARMS REACH FROM THE ACCESS PANEL OPENING.
18. PRIME AND PAINT ALL EXPOSED PIPING TO MATCH ARCHITECTURAL FINISH. KEEP PAINT OFF OF TAGS AND MARKS IDENTIFYING SYSTEM, SIZE, MODEL OR OTHER IMPORTANT INFORMATION.
19. PROTECT ALL INSTALLED DRAINS, DRAIN STRAINERS, EQUIPMENT COMPONENTS, FIXTURES ESPECIALLY THOSE WITH STAINLESS STEEL SURFACES FROM DAMAGE. PLUMBING SYSTEM SHALL BE CLEAN, UNDAMAGED, WORKING AND IN NEW CONDITION UP TO HAND OFF TO OWNER. SEE SPECIFICATIONS FOR MORE INFORMATION ON CLOSING DCC.
20. NO EXPOSED PIPING SHALL BE LEFT TO RUST OR SUBJECTED TO CONDITIONS DETRIMENTAL TO THE PIPE WITHOUT PROVIDING PROTECTION, TEMPORARY OR OTHERWISE, SUITABLE FOR THE TYPE OF PIPE BEING PROTECTED.
21. CLOSELY COORDINATE PENETRATIONS THRU STRUCTURAL MEMBERS AMONGST TRADES AT THE SITE THRU SHOP DRAWINGS PRIOR TO CONSTRUCTION. PENETRATION THRU CONCRETE FOUNDATION SHALL BE PROPERLY SLEEVED WHEN REQUIRED. COORDINATE DROPPING FOOTING IF REQUIRED. ALL NOTCHES AND HOLES SHALL BE NEATLY BORED. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
22. THERE SHALL BE NO PIPING WITHIN ELECTRICAL EQUIPMENT'S DEDICATED SPACE. ELECTRICAL EQUIPMENT SUCH AS PANEL BOARDS, SWITCHBOARDS AND MOTOR CONTROL CENTERS LOCATED IN ROOMS MUST HAVE EXCLUSIVE DEDICATED SPACE FROM THE FLOOR AND FORWARD 12" ABOVE THE EQUIPMENT. THE WIDTH AND DEPTH OF THE EQUIPMENT. COORDINATE SHOP DRAWINGS AMONGST TRADES LOCATING ALL ELECTRICAL EQUIPMENT PRIOR TO ANY PIPE INSTALLATION. THERE SHALL ALSO BE NO PIPING ABOVE THE DEDICATED SPACE UNLESS PROTECTION IS PROVIDED FOR EQUIPMENT SHOULD THE PIPING LEAK OR BREAK.
23. CONTRACTOR TO AVOID GROUNDING ELECTRICAL HARDWARES SUCH AS TELEPHONES TO AVAILABLE WATER LINES, WHEN POSSIBLE TO AVOID METALLIC TASTE IN WATER FROM DRINKING FOUNTAINS.

PLUMBING KEY NOTES:

- 1 VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPE. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS FOR COORDINATION AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION. REFLECT ON AS-BUILT DRAWING IF DIFFERENT FROM HEREWITH.
- 2 VERIFY EXACT LOCATION OF ALL BUILDING COMPONENTS THAT MAY OBSTRUCT PATH OF NEW PIPING WELL AHEAD OF INSTALLATION. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS AND COORDINATE AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION. REROUTE PIPING IF REQUIRED. REFLECT ON AS-BUILT DRAWINGS IF DIFFERENT FROM HEREWITH.
- 3 ENSURE ALL CONDITIONS AFFECTING WORK, SUCH AS VERIFICATION OF TIE-IN ELEVATION TO EXISTING BY OTHERS, ARE WELL COORDINATED AMONGST TRADES PRIOR TO ANY INSTALLATION OR FABRICATION WORK. ADJUST PIPE ROUTE IF NEEDED. REFLECT ON AS-BUILT'S IF DIFFERENT FROM HEREWITH.
- 4 SEE STRUCTURAL DRAWINGS FOR PROVISIONS ON & REQUIREMENTS WHEN RUNNING PIPE THROUGH, BELOW OR IN CLOSE PROXIMITY TO STRUCTURAL COMPONENTS. COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY INSTALLATION.
- 5 ALL PLUMBING COMPONENTS SHALL RUN NEATLY ON WALL OR AS CLOSE AS POSSIBLE TO EQUIPMENT SERVED. NO COMPONENT SHALL PROTRUDE OUT ENCROROACHING PERSONNEL PATH OF TRAVEL NOR WITHIN ANY AREA RESERVED FOR SERVICE CLEARANCE OF OTHER UNITS WITHIN ROOM. COORDINATE ALL SHOP DRAWINGS PRIOR TO ANY INSTALLATION.
- 6 CW MAKE-UP WATER FOR POOL BOILERS. PROVIDE SOV, BFP-2 & PRV NO HIGHER THAN 3FT FROM FF. SET PRV TO 15PSI. SEE BOILER INSTALLATION INSTRUCTIONS FOR MORE INFORMATION. PROVIDE AIR GAP AND DRAIN LINE TO NEAREST APPROVED RECEPTOR.
- 7 CONNECT GAS PIPE TO POOL BOILER. PROVIDE SOV & DIRT LEG. SEE BOILER INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
- 8 MAKE-UP WATER FOR POOL SYSTEM. PROVIDE SOV ON RISER ABOUT 400' ABOVE FLOOR.
- 9 BFP-1 WILKINS 375. PROVIDE AIR GAP FITTING AND DRAIN TO PIT. REFER TO POOL DRAWINGS FOR EXACT LOCATION.
- 11 INSTALL GAS REGULATOR 3FT MINIMUM AWAY FROM IGNITION SOURCES. TYP.
- 12 PROVIDE TMV & SOV TO ESH-EV. TMV ACCESSORY SHALL BE FROM SAME MANUFACTURER AS THE EMERGENCY SHOWER-EYEWASH COMBO. SEE POOL DRAWINGS FOR EMERGENCY SHOWER-EYEWASH COMBO MODEL NUMBER.
- 13 THE TMV & SOV FOR EMERGENCY EYEWASH IN ACID ROOM SHALL BE INSTALLED IN ADJACENT ROOM AWAY FROM BEING SUBJECTED TO ACID FUMES. TMV ACCESSORY SHALL BE FROM SAME MANUFACTURER AS THE EMERGENCY SHOWER-EYEWASH COMBO. SEE POOL DRAWINGS FOR EMERGENCY SHOWER-EYEWASH COMBO MODEL NUMBER.
- 14 ANY METALLIC PLUMBING PIPING OR METALLIC SUPPORT COMPONENTS FOR PLUMBING PIPING SHALL BE COATED WITH TNECIS SERIES COATING TO RESIST CORROSION. PREPARE SURFACE OF METAL PRIOR TO APPLYING PRIME COAT, STRIKE COAT AND FINISH COAT. EXACT COATING AND PROCEDURES SHALL BE PER MANUFACTURER RECOMMENDATIONS.
- 15 PROVIDE BLDG SHUT OFF VALVE 3FT AFF. ALL FIXTURES INCLUDING HOSE BIBBS AND TRAP PRIMERS IN BUILDING SHALL BE CONNECTED DOWNSTREAM OF THIS SHUT OFF VALVE. 10 VALVE AS MAIN SHUT OFF VALVE FOR BUILDING.
- 16 CLEAN AND FLUSH ALL EXISTING SEWER LINES DOWNSTREAM OF NEW FIXTURES TO THE 6" MAIN SS LINE.
- 17 PROVIDE INTAKE AND EXHAUST VENT. INSTALL PER BOILER INSTALLATION INSTRUCTIONS AND DETAIL 4IP-501.
- 18 INSTALL PIPING BELOW STEEL FRAME. SEE STRUCTURAL DRAWINGS AND DETAILS FOR MORE INFORMATION. LOCATE PIPING WITHIN 1.5FT HORIZONTALLY FROM FRAMES. COORDINATE SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY INSTALLATION.
- 19 PROVIDE LABEL TO LIMIT DISCHARGE FLOW TO NO MORE THAN 50GPM. INCLUDE IN TRAINING IMPORTANCE OF HAVING A CLEAN SEWER SYSTEM DURING BACKWASH.
- 20 PROVIDE NEW SUMP PUMP ZOELLER 55 115V-1PH-37AMP. PROVIDE NEW BACKWATER VALVE & SOV. CONNECT TO EXISTING PIPE.
- 21 INCLUDE IN TRAINING IMPORTANCE OF PROPER HANDLING OF ACIDS & OTHER CHEMICALS. IMPORTANCE OF MAINTENANCE OF ALL COMPONENTS, & IMPORTANCE OF REPORTING OF ACID-CHEMICAL LEAKS ONCE OBSERVED. EXHAUST VENTING HAVE BEEN SIZED TO BE ABOVE MINIMUM CODE REQUIREMENTS, HOWEVER ITS EFFECTIVITY TO RESIST ABOVE NORMAL CONCENTRATION OF CHEMICALS IS NOT LIMITLESS. FUMES FROM LEAKING ACID, OR ACID SPLASH SHOULD BE PROPERLY & IMMEDIATELY ADDRESSED TO AVOID CREATION AND/OR EXACERBATION OF AN ENVIRONMENT DETRIMENTAL TO PEOPLE'S HEALTH, OR TO BUILDING COMPONENTS WITHIN THE CHEMICAL ROOM, OR IN CLOSE PROXIMITY TO THE CHEMICAL ROOMS.

KEYPLAN



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CONSULTANT

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 PM - DESIGN TEAM PROJECT NO.

FOR REVIEW ONLY / NOT FOR CONSTRUCTION
 THE CONSTRUCTION DOCUMENTS HAVE NOT BEEN APPROVED BY THE ENFORCEMENT AGENCY AND ARE NOT COMPLETE OR READY FOR CONSTRUCTION. ELEMENTS, MEMBERS, SYSTEMS AND ASSOCIATED DETAILS AND SPECIFICATIONS MAY NOT BE SHOWN OR FULLY DEVELOPED. FOR BIDDING ESTIMATING PURPOSES, UTILIZE ADDITIONAL MATERIALS AND QUANTITIES TO ACCOUNT FOR THOSE ITEMS NOT SHOWN OR FULLY DEVELOPED.

DATE SIGNED: 2024-04-29

PROJECT
JOHN F KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADE

6715 GLORIA DR
 SACRAMENTO, CA 95831

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

| MARK | DATE | DESCRIPTION |
|-------|------------|-------------|
| ADD01 | 05/13/2024 | ADDENDUM01 |

MANAGEMENT
 LIONAKIS PROJECT NO: 023264
 CLIENT PROJECT NO: 023264
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TITLE
ENLARGED PLUMBING DEMO & CONSTRUCTION PLAN

SHEET
P-411


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Addendum Doc: 022604 SCUSD_IPMS Pool Upgrade022604_MECHANSTR_024_CENTRAL.rvt

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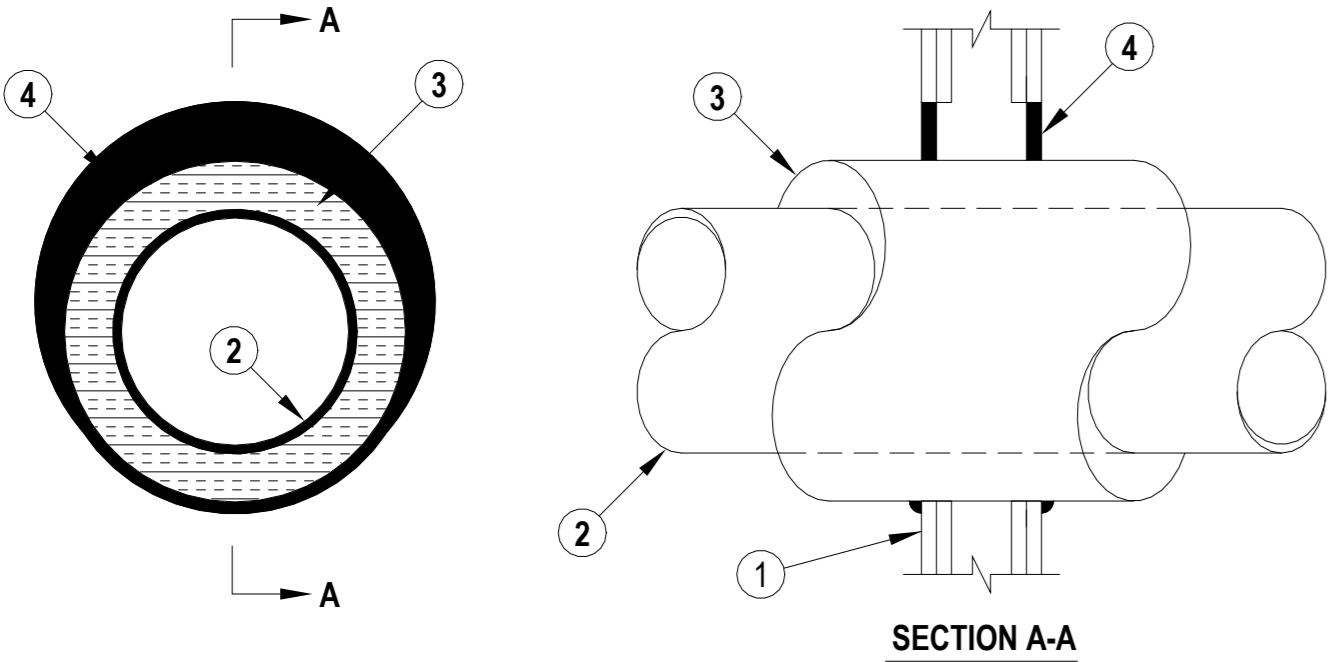


Classified by Underwriters Laboratories, Inc. to UL 1479 and CANULC S115

System No. W-L-5029


| ANSI/UL1479 (ASTM E814) | CANULC S115 |
|--|---|
| F Ratings — 1, 2 and 3 Hr (See Items 1, 3 and 4) | F Ratings — 1, 2 and 3 Hr (See Items 1, 3 and 4) |
| T Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3) | FT Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3) |
| L Rating At Ambient — 4 CFM/Sq Ft | FH Ratings — 1, 2 and 3 Hr (See Items 1, 2 and 4) |
| L Rating At 400 F — Less Than 1 CFM/Sq Ft | FTH Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3) |
| | L Rating At Ambient — 4 CFM/Sq Ft |
| | L Rating At 400 F — Less Than 1 CFM/Sq Ft |

W-L-5029




SECTION A-A

1. Wall Assembly — The 1, 2 or 3 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide for 1 and 2 hr F and FH rating and 3-1/2 in. (89 mm) wide for 3 hr F and FH rating and spaced max 24 in. (610 mm) OC.
 - B. Gypsum Board* — Min 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 18-5/8 in. (473 mm). The hourly F and FH Ratings of the freestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants — One metallic pipe or tubing to be installed within the freestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
 - A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.
 - C. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. When the hourly F or FH Rating of the freestop system is 3 hr, the nom diam of copper tube shall not exceed 4 in. (102 mm).
 - D. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When the hourly F or FH Rating of the freestop system is 3 hr, the nom diam of copper pipe shall not exceed 4 in. (102 mm).



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System No. W-L-5029

3. Pipe Covering* — Nom 1, 1-1/2 or 2 in. (25, 38 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m³) glass fiber units jacked on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with but tape supplied with the product. For 1 and 2 hr F and FH Ratings, the annular space between insulated penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). For 3 hr F and FH Ratings, the annular space shall be min 0 in. (point contact) to max 1-1/4 in. (32 mm). See Pipe and Equipment Covering — Materials (BRGU) category in the Building Material Directory for the names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used. The hourly T, FT, FTH Ratings of the freestop system are 1/2 hr for 1 hr rated walls and 1 hr for 2 hr rated walls. For 3 hr rated walls, the hourly T, FT and FTH Ratings when steel and iron pipes are used are 1 hr. For 3 hr rated walls, the hourly T, FT and FTH Ratings when copper penetrants are used are 1-1/4 hr for 2 in. (51 mm) thick pipe covering and 0 hr for pipe covering thickness less than 2 in. (51 mm).

3A. Pipe Covering* — (Not Shown) — As an alternate to item 3, max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 18 AWG stainless steel wire spaced max 12 in. (305 mm) OC. When the alternate pipe covering is used, the T and FT Rating shall be as specified in item 3 above.


4. Fill, Void or Cavity Material* — Sealant — For 1 and 2 hr F and FH Rating, min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. For 3 hr F and FH Rating, min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and gypsum board, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe covering/gypsum board interface on both surfaces of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

W-L-5029



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Page: 2 of 2

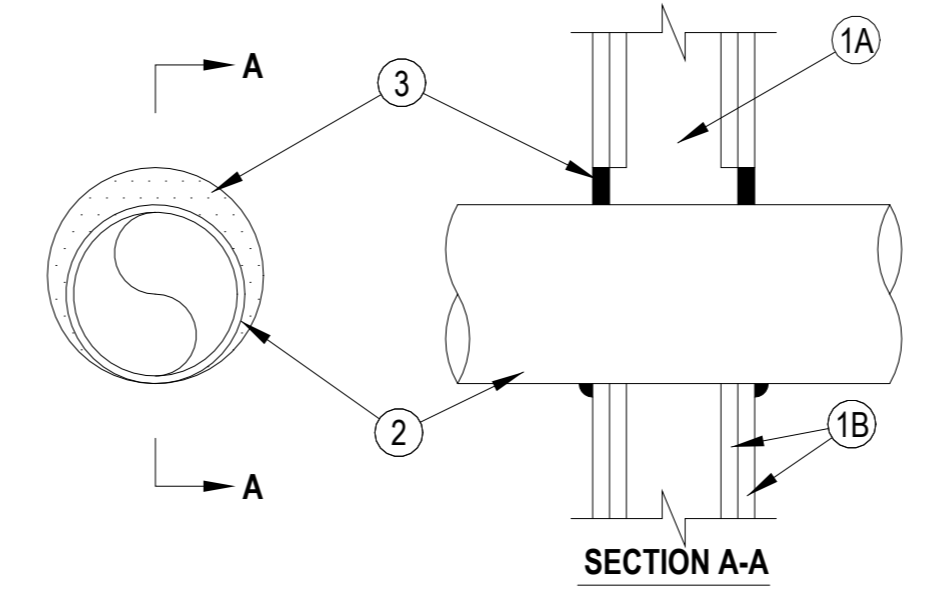


Classified by Underwriters Laboratories, Inc. to UL 1479 and CANULC S115

System No. W-L-1054


| ANSI/UL1479 (ASTM E814) | CANULC S115 |
|--|--|
| F Ratings — 1 and 2 Hr (See Items 1 and 3) | F Ratings — 1 and 2 Hr (See Items 1 and 3) |
| T Rating — 0 Hr | FT Rating — 0 Hr |
| L Rating (Without Movement) at Ambient — Less Than 1 CFM/Sq Ft | FH Ratings — 1 and 2 Hr (See Items 1 and 3) |
| L Rating (Without Movement) at 400°F — Less Than 1 CFM/Sq Ft | FTH Rating — 0 Hr |
| M Rating (Movement) — See Table 1 | FTH Rating — 0 Hr |
| | L Rating at Ambient — Less Than 5.1 L/s/m ² |
| | L Rating at 204°C — Less Than 5.1 L/s/m ² |

W-L-1054




SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. For M Rating, steel studs to be min 3-5/8 in. (92 mm) wide. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.
 - B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 12-1/4 in. (315 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls. The F and FH Ratings of the freestop system are equal to the fire rating of the wall assembly. The M Rating is applicable only to 1 hr rated walls.



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Page: 1 of 2

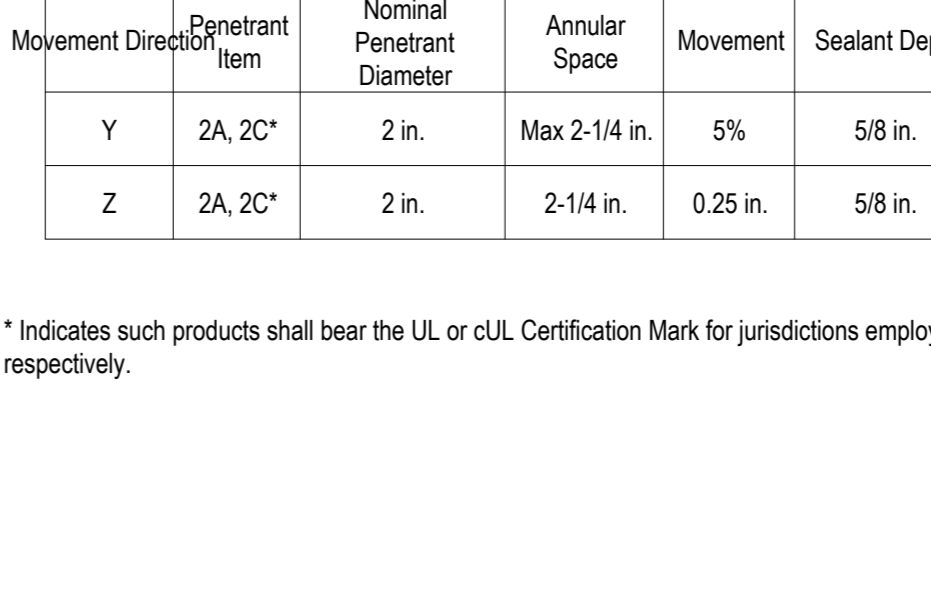


Classified by Underwriters Laboratories, Inc. to UL 1479 and CANULC S115

System No. W-L-1054

| ANSI/UL1479 (ASTM E814) | CANULC S115 |
|--|--|
| F Ratings — 1 and 2 Hr (See Items 1 and 3) | F Ratings — 1 and 2 Hr (See Items 1 and 3) |
| T Rating — 0 Hr | FT Rating — 0 Hr |
| L Rating (Without Movement) at Ambient — Less Than 1 CFM/Sq Ft | FH Ratings — 1 and 2 Hr (See Items 1 and 3) |
| L Rating (Without Movement) at 400°F — Less Than 1 CFM/Sq Ft | FTH Rating — 0 Hr |
| M Rating (Movement) — See Table 1 | FTH Rating — 0 Hr |
| | L Rating at Ambient — Less Than 5.1 L/s/m ² |
| | L Rating at 204°C — Less Than 5.1 L/s/m ² |

W-L-1054




SECTION A-A

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the freestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
 - C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.
 - D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — FS-ONE MAX Intumescent Sealant

| Movement Direction | Penetrant Item | Nominal Penetrant Diameter | Annular Space | Movement | Sealant Depth | F-Rating | L Rating with Movement |
|--------------------|----------------|----------------------------|---------------|----------|---------------|----------|------------------------|
| Y | 2A, 2C* | 2 in. | Max 2-1/4 in. | 5% | 5/8 in. | 1 hr | N/A |
| Z | 2A, 2C* | 2 in. | 2-1/4 in. | 0.25 in. | 5/8 in. | 1 hr | N/A |

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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Page: 2 of 2

FIRE PENETRATION DETAIL

SCALE : NONE

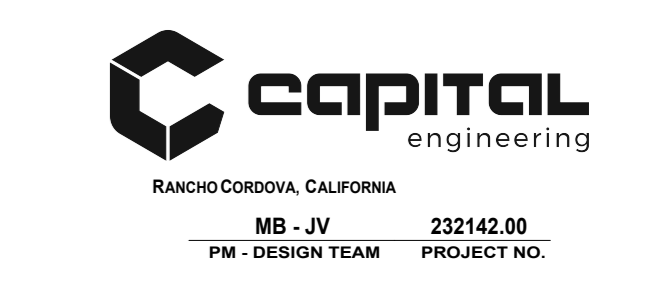
1
P-502

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122170 INC.
REVIEWED FOR
DATE: 05/09/2024

LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT



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THE CONSTRUCTION DOCUMENTS HAVE NOT BEEN APPROVED BY THE ENFORCEMENT AGENCY AND ARE NOT COMPLETE OR READY FOR CONSTRUCTION. ELEMENTS, MEMBERS, SYSTEMS AND ASSOCIATED DETAILS AND SPECIFICATIONS MAY NOT BE SHOWN OR FULLY DEVELOPED. FOR BIDDING ESTIMATING PURPOSES, UTILIZE ADDITIONAL MATERIALS AND QUANTITIES TO ACCOUNT FOR THOSE ITEMS NOT SHOWN OR FULLY DEVELOPED.

SEAL



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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

MANAGEMENT
LIONAKIS PROJECT NO: 023264
CLIENT PROJECT NO:
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TITLE
PLUMBING DETAILS

SHEET
P-502

Domestic Water Heating System

CERTIFICATE OF COMPLIANCE NRC-PLB-E
This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations...

Project Name: JFK Pool Modernization Report Page: (Page 1 of 5)
Project Address: 2024-03-12T14:02:04-04:00 Date Prepared:

Table with 4 columns: 01, 02, 03, 04. Rows include Project Location (city), Climate Zone, and Occupancy Types Within Project.

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140.1, 140.2(d), and 141.0(a) through 141.0(d) for additions or alterations.

Table with 3 columns: 01, 02, 03. Rows include My project consists of (check all that apply), System Type, and System Components.

C. COMPLIANCE RESULTS

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

Table with 4 columns: 01, 02, 03, 04. Rows include Domestic Hot Water Equipment, Distribution Systems, Controls, and Compliance Results.

D. EXCEPTIONAL CONDITIONS

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

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 183879-0324-0002 Schema Version: rev 20220101 Report Generated: 2024-03-12 11:02:06

Domestic Water Heating System

CERTIFICATE OF COMPLIANCE NRC-PLB-E
Project Name: JFK Pool Modernization Report Page: (Page 2 of 5)
Project Address: 2024-03-12T14:02:04-04:00 Date Prepared:

E. ADDITIONAL REMARKS

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

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 183879-0324-0002 Schema Version: rev 20220101 Report Generated: 2024-03-12 11:02:06

Domestic Water Heating System

CERTIFICATE OF COMPLIANCE NRC-PLB-E
Project Name: JFK Pool Modernization Report Page: (Page 3 of 5)
Project Address: 2024-03-12T14:02:04-04:00 Date Prepared:

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1 / 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

Table with 12 columns: System Name, EWH-H1, Exception to 140.5(c)/170.2(d)3, Exceptions Do Not Apply, Gas Service Water Heating System >= 1MMBtu/h, Capacity-weighted Average Efficiency %, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15. Includes rows for Commercial Electric Storage Water Heater and Unfired storage tank insulation.

FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.

FOOTNOTE: Compliant equipment may be found in the Modernized Appliance Efficiency Database System (MAEDBS) on the Energy Commission website: https://caenergy.com/maedbs/

Water Heating Equipment All Occupancies

Table with 4 columns: Yes, No, Not Applicable, Requirement. Rows include Unfired storage tank insulation, New state buildings 60% of energy for service water heating, and School buildings < 25,000 ft².

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 183879-0324-0002 Schema Version: rev 20220101 Report Generated: 2024-03-12 11:02:06

Domestic Water Heating System

CERTIFICATE OF COMPLIANCE NRC-PLB-E
Project Name: JFK Pool Modernization Report Page: (Page 4 of 5)
Project Address: 2024-03-12T14:02:04-04:00 Date Prepared:

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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

Form/Title
NRC-PLB-E - Must be submitted for all buildings.

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 183879-0324-0002 Schema Version: rev 20220101 Report Generated: 2024-03-12 11:02:06

Domestic Water Heating System

CERTIFICATE OF COMPLIANCE NRC-PLB-E
Project Name: JFK Pool Modernization Report Page: (Page 5 of 5)
Project Address: 2024-03-12T14:02:04-04:00 Date Prepared:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: David Yasinsky
Company: Capital Engineering Consultants
Address: 11020 Sun Center Drive, Suite 100, Rancho Cordova, CA 95670
City/State/Zip: Rancho Cordova, CA 95670

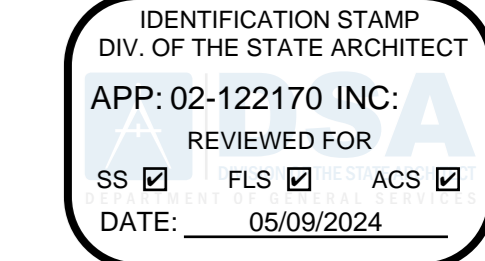
RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

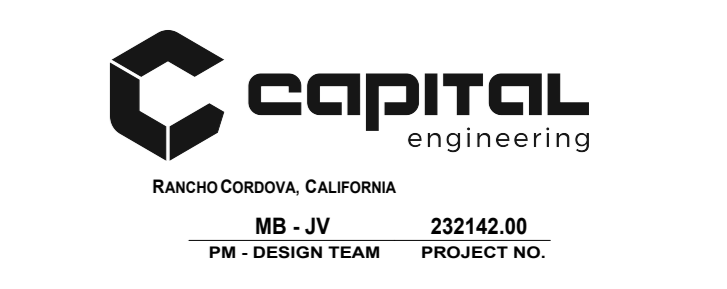
- 1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy 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: Kevin Stillman
Company: Capital Engineering Consultants
Address: 11020 Sun Center Drive, Suite 100, Rancho Cordova, CA 95670
City/State/Zip: Rancho Cordova, CA 95670

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 183879-0324-0002 Schema Version: rev 20220101 Report Generated: 2024-03-12 11:02:06



2025 Nineteenth Street Sacramento CA 95818 P 916.558.1900 www.lionakis.com



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PROJECT JOHN F KENNEDY HIGH SCHOOL SWIMMING POOL UPGRADE 6715 GLORIA DR SACRAMENTO, CA 95831

CLIENT SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

Table with 3 columns: MARK, DATE, DESCRIPTION

MANAGEMENT LIONAKIS PROJECT NO: 023284 CLIENT PROJECT NO: LIONAKIS 2017 COPYRIGHT: LIONAKIS 2017

TITLE TITLE 24 COMPLIANCE

SHEET P-701

IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT - SCALE ACCORDINGLY

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 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 ELECTRICAL, GAS OR WATER, "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC, SECTIONS 1617A.1.24 THROUGH 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. HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

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

MP MD PP E OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PRE-APPROVAL PRE-APPROVAL (OPM#) # _____

DEMOLITION GENERAL NOTES

ALL DEMOLITION GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT, AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
2. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND/OR OTHER EXISTING FACILITY'S SYSTEMS AND SERVICES AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER/DISTRICT'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWN, SHUTDOWN WORK SHALL BE PERFORMED AFTER THE NORMAL OPERATION HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER/DISTRICT'S REPRESENTATIVE.
3. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER/DISTRICT'S REPRESENTATIVE ARE DEEMED SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER/DISTRICT. ALL ELECTRICAL MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR ACCORDINGLY.
4. WHERE REMOVAL OF AN EXISTING SYSTEM'S DEVICE WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RECONNECTED TO PROVIDE SERVICE TO ALL REMAINING DEVICES. IF SITE CONDITIONS MAKE RECONNECTION IMPOSSIBLE, CONNECTION SHALL BE MADE FROM AN ADJACENT AVAILABLE DEVICE AS NOTED AND/OR AS DIRECTED BY THE ARCHITECT AND/OR THE OWNER/DISTRICT'S REPRESENTATIVE.
5. WHERE EXISTING CONCEALED CONDUITS, WHETHER SHOWN OR NOT, OR SPECIFIED TO BE REUSED, WHICH BECAME EXPOSED DUE TO CONSTRUCTION CHANGES, IT SHALL BE REROUTED TO THE NEAREST AVAILABLE REUSED OUTLET.
6. ALL EXISTING EXPOSED CONDUITS AND/OR WIRING THAT ARE DETERMINED BY THE DISTRICT AND ARCHITECT TO BE MAINTAINED FOR EXISTING SYSTEM FUNCTION AND CONTINUITY, WHETHER SHOWN ON PLAN OR NOT, ARE TO BE REROUTED CONCEALED IN WALL AND/OR CEILING FOR A CLEAN FINISHED SURFACE WITH NO EXPOSED CONDUITS AND/OR WIRING WITHIN THE REMODELED AREA.
7. REMOVE ALL EXISTING EXPOSED CONDUITS, WIRING, ELECTRICAL OUTLETS, DEVICES, AND EQUIPMENT THAT ARE DETERMINED BY THE DISTRICT REPRESENTATIVE/OWNER AND ARCHITECT TO BE NON FUNCTIONAL AND/OR NOT BEING USED FROM WITHIN THE REMODELED AREA FOR A CLEAN FINISHED SURFACE.
8. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - A. REMOVE ALL WIRE AND CABLE.
 - B. REMOVE ALL DEVICES AND EQUIPMENT.
 - C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREAS, AS FAR AS POSSIBLE.
 - D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
9. WHEREVER EXISTING ELECTRICAL DEVICES, PANELS, CONDUITS, CABLES, ETC., CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS AS DIRECTED BY THE ARCHITECT AND/OR OWNER/DISTRICT'S REPRESENTATIVE.
10. WHERE SHOWN ON PLAN FOR REMOVAL OF EXISTING CONDUITS, REMOVE ALL PORTIONS OF CONDUITS WHERE IT IS ACCESSIBLE AND ABANDON PORTIONS OF CONDUITS WHERE IT IS INACCESSIBLE. CUT OFF AND CAP ALL ABANDONED CONDUITS. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
11. CONTRACTOR SHALL UPDATE WITH NEW TYPED WRITTEN PANEL DIRECTORIES TO EXISTING PANELS INVOLVED IN THIS RENOVATION WORK THAT SHALL REFLECT ALL CHANGES TO THE CIRCUIT DESIGNATIONS.
12. PROVIDE AND INSTALL PROTECTIVE COVERING OVER EXISTING EQUIPMENT IN AREA WHEN INSTALLING ANY NEW WORK.
13. COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.
14. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR HEATERS, EXHAUST FANS, WATER HEATERS, PUMPS, ETC., WHICH ARE REQUIRED TO BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR FOR REMOVAL OR ABANDONMENT BY THE MECHANICAL AND/OR PLUMBING CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE MECHANICAL AND/OR PLUMBING CONTRACTOR FOR REMOVAL OF ALL APPLICABLE STARTERS, DISCONNECT SWITCHES, AND ASSOCIATED CONDUIT, AND WIRING.
15. ALL LIGHT FIXTURES INDICATED AS RELOCATED SHALL BE CLEANED AND RE-LAMPED PRIOR TO THE RE-INSTALLATION.

GENERAL NOTES

ALL GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

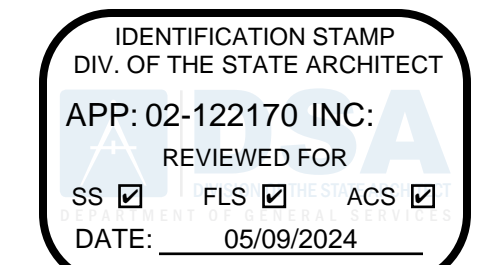
1. THESE GENERAL NOTES ARE INTENDED TO ASSIST THE CONTRACTOR IN THE EXECUTION OF THE ELECTRICAL WORK AND TO BE INCLUDED IN CONJUNCTION WITH THE CONTRACT DOCUMENT DRAWINGS AND SPECIFICATION REQUIREMENTS. SOME OF THE GENERAL NOTES ARE EXCERPTS FROM THE SPECIFICATION.
2. PROCURE PERMITS AND LICENSES REQUIRED. PAY ALL NECESSARY FEES AND ARRANGE FOR INSPECTIONS REQUIRED BY LOCAL CODES AND ORDINANCES AND UTILITY COMPANIES.
3. COORDINATE ALL ELECTRICAL SERVICES WITH THE RESPECTIVE UTILITY COMPANIES AND PROVIDE ALL TRENCHING, CONDUITS, WIRING, METER FACILITIES AND OUTLETS REQUIRED BY THEM.
4. WORKMANSHIP SHALL BE OF THE HIGHEST GRADE. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE ACCEPTANCE OF THE ARCHITECT.
5. INSTALL ALL EQUIPMENT, CONDUITS, OUTLETS, AND FIXTURES IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF ALL APPLICABLE CODES (CEC, STATE, COUNTY AND CITY).
6. DO NOT SCALE PLANS FOR FIXTURES, DEVICES, OR APPLIANCE LOCATIONS. USE FIGURED DIMENSIONS IF GIVEN OR CHECK MECHANICAL AND ARCHITECTURAL PLANS. ALSO REFER TO ACTUAL ON-SITE CONDITIONS.
7. ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CEC 110.3.
8. ALL ELECTRICAL DEVICES AND EQUIPMENT, FIXTURES, CONDUITS AND WIRING SHOWN ON THESE PLANS ARE NEW, UNLESS OTHERWISE NOTED.
9. OUTLET BOXES INSTALLED IN FIRE WALLS SHALL BE ONE-PIECE STEEL AND INSTALLED IN SEPARATE (STAGGERED) STUD PENETRATIONS, MINIMUM 24 INCHES HORIZONTAL SEPARATION. FIRE WALLS SHALL BE MADE IN ACCORDANCE WITH CBC AND ELECTRICAL CODES.
10. THE FINAL LOCATION OF ALL OUTLETS SHALL BE VERIFIED WITH THE ARCHITECT AND/OR OWNER AT TIME OF CONSTRUCTION.
11. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHER-PROTECTED.
12. CONTRACTOR SHALL VERIFY THAT ALL LIGHTING FIXTURES, CEILING TRIMS, AND FRAMES ARE COMPATIBLE WITH CEILING SYSTEM INSTALLED.
13. CONTRACTOR SHALL COORDINATE LIGHT FIXTURE LOCATIONS AND INSTALLATIONS WITH THE MECHANICAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES (MINIMUM 3 INCHES) BETWEEN THE LIGHT FIXTURES AND MECHANICAL DUCTS OR EQUIPMENT FOR PROPER OPERATION, INSTALLATION AND/OR REMOVAL OF FIXTURES.
14. BEFORE SUBMITTING FOR ARCHITECT'S REVIEW AND PLACING ORDER FOR THE LIGHT FIXTURES, THE CONTRACTOR SHALL VERIFY THE VOLTAGE OF ALL THE LIGHTING FIXTURES TO MATCH THE VOLTAGE OF THE SERVICE PANEL, WHETHER THE VOLTAGE FOR THE LIGHT FIXTURES ARE SHOWN ON THE PLAN OR NOT.
15. PLACEMENT AND CIRCUITING OF EXIT SIGNS AND EGRESS LIGHTING SHALL COMPLY WITH CBC REQUIREMENTS.
16. ALL CONDUIT SHALL BE ROUTED CONCEALED UNLESS NOTED ON PLAN OR ACCEPTED BY THE ARCHITECT.
17. PROVIDE ALL NECESSARY SLEEVES AND INSERTS FOR ALL WORK PASSING THROUGH OR ATTACHING TO WALLS, FLOORS, OR CEILINGS.
18. ALL WIRING SHALL BE INSTALLED IN RIGID METALLIC CONDUIT, UNLESS OTHERWISE NOTED. CONDUITS INSTALLED CONCEALED IN WALL AND CEILING MAY BE EMT WITH STEEL COMPRESSION TYPE FITTINGS. PVC WHERE INSTALLED UNDERGROUND AND/OR UNDER SLAB. ALL EXPOSED CONDUITS SHALL BE RIGID STEEL CONDUITS WITH THREADED TYPE FITTINGS. INSTALL ALL CONDUITS IN ACCORDANCE WITH CEA STANDARDS OF INSTALLATION.
19. ELECTRICAL NON-METALLIC TUBING (ENT) AND MC CABLE ARE NOT PERMITTED TO BE USED FOR THIS PROJECT, NO EXCEPTIONS.
20. WHERE EXISTING CONDUITS, CONCEALED OR EXPOSED, AND (WIREFORMED) SURFACE RACEWAY IS NOT IN PLACE AS SHOWN ON PLANS, PROVIDE NEW CONDUITS AND (WIREFORMED) SURFACE RACEWAY FOR THE NEW WORK. VERIFY EXISTING CONDITION ON SITE AND PROVIDE ALL NECESSARY NEW MATERIAL, APPARATUS, AND WORK THAT ARE REQUIRED TO BE INCLUDED IN THE BID PACKAGE.
21. CONDUCTORS, #8 AND LARGER, SHALL BE STRANDED COPPER WITH THHN/THWN INSULATION, UNLESS OTHERWISE NOTED.
22. PROVIDE WORKING CLEARANCE PER CEC 110.26 FOR SERVICE PANEL, SUBPANELS, MOTOR DISCONNECT SWITCHES, CONTROL SECTIONS, HVAC EQUIPMENT, APPLIANCES, ETC.
23. PROVIDE A WARNING LABEL (SIGN) CLEARLY VISIBLE TO QUALIFIED PERSONS TO COMPLY WITH NEC AND CEC 116.16 OF POTENTIAL ELECTRIC ARC FLASH HAZARDS AT SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTERS THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT PER CEC SECTION 110.24(A).
24. BUILDING SERVICE AND SUBPANELS TO COMPLY WITH CEC 110.9 AND 110.10 INTERRUPTING RATING AND BRACING, PROVIDE A.I.C. CALCULATIONS FOR SUBPANELS IF INTERRUPTING RATING TO BE USED IS LOWER THAN MAIN SERVICE RATING.
25. ALL APPLIANCES SHALL COMPLY WITH CEC ARTICLE 422. APPLIANCE CONTROL AND PROTECTION PER CEC 422-III; BRANCH CIRCUITS PER 422-II.
26. BUILDING EXPANSION JOINTS MAY OR MAY NOT BE INDICATED ON THE ELECTRICAL DRAWINGS. VERIFY THE LOCATIONS OF ALL APPLICABLE BUILDING EXPANSION JOINTS WITH THE ARCHITECTURAL DRAWINGS. WIRING METHODS ACROSS EXPANSION JOINTS SHALL INCLUDE USE OF FLEXIBLE FITTINGS OR OTHER DEVICES AS APPROPRIATE TO EACH APPLICATION. IN NO CASE SHALL CONDUIT CROSS SUCH A JOINT IN BUILDING CONSTRUCTION WITHOUT USE OF THE APPROPRIATE WIRING METHODS.
27. CONTRACTOR SHALL SIZE ALL THE INTERIOR AND EXTERIOR BUILDING PULL BOXES AND UNDERGROUND PULL BOXES PER CEC 314-1.16 AND COMPLY WITH CEC 314.28 FOR INSTALLATION OF RACEWAYS AND WIRING AS REQUIRED BY CODE, UNLESS OTHERWISE NOTED.
28. WHERE ACCESSIBILITY IS NOT AVAILABLE TO ELECTRICAL OUTLETS, DEVICES AND/OR EQUIPMENT, COORDINATE WITH THE ARCHITECT FOR PROVISIONS TO PROVIDE ACCESSIBILITY TO THEM.
29. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE MECHANICAL DRAWINGS AND PROVIDES ALL CONDUITS AND CONTROL WIRING AND POWER WIRING SHOWN ON THE MECHANICAL DRAWINGS THAT IS NOT SHOWN ON THE ELECTRICAL PLANS.
30. CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS AND COORDINATE FOR THE EQUIPMENT LOCATIONS. COORDINATE ROOF PENETRATION WITH THE MECHANICAL CONTRACTOR FOR MECHANICAL CONNECTIONS. ENTER ROOF MOUNTED UNITS THROUGH EQUIPMENT MOUNTING CURBS WHERE POSSIBLE. VERIFY ON-SITE.
31. PROVIDE CONVENIENCE OUTLET WITHIN 25 FEET OF MECHANICAL EQUIPMENT PER U.M.C. WHERE LOCATED OUTSIDE, PROVIDE WEATHER PROOF AND GFCI CONVENIENCE OUTLET. SECURE ROOF MOUNTED OUTLET TO THE MECHANICAL EQUIPMENT. VERIFY LOCATION IN FIELD WITH THE MECHANICAL CONTRACTOR.
32. VERIFY SINGLE-POINT CONNECTIONS TO ROOF MOUNTED HVAC UNITS WITH MECHANICAL CONTRACTOR ON-SITE PRIOR TO ELECTRICAL ROUGH-IN. PROVIDE DUAL DISCONNECTS IF TWO-POINT CONNECTIONS ARE REQUIRED, WHETHER SHOWN ON PLANS OR NOT.
33. SWITCH DEVICES CONTROLLING MECHANICAL EQUIPMENT SHALL BE SIZE AND TYPE REQUIRED AND SHALL BE SERVED WITH QUANTITY OF WIRES AS REQUIRED. REFER TO DIVISION 23 MECHANICAL PLANS AND SPECIFICATIONS.
34. COORDINATE THE HVAC EQUIPMENT FOR FUSES REQUIRE. WHERE FUSES ARE REQUIRED, VERIFY FUSE SIZE ON-SITE AND PROVIDE FOR HVAC EQUIPMENT PER UNIT NAMEPLATE SPECIFICATIONS.
35. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-IX AND 440.II.
36. MOTOR STARTERS FOR HVAC EQUIPMENT ARE PROVIDED BY MECHANICAL CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
37. ALL CONNECTIONS FROM THE DISCONNECT SWITCHES TO HVAC UNITS SHALL BE COPPER CONDUCTORS. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-VII, 430-VIII, AND 440-II.
38. VERIFY LOCATION AND HEIGHT OF ALL MECHANICAL OR FIXTURE EQUIPMENT OUTLETS WITH SUPPLIER PRIOR TO ANY ROUGH-IN WORK. PROVIDE ALL RUNS AND CONNECTIONS TO EQUIPMENT.
39. ALL TERMINATION PROVISIONS OF EQUIPMENT, INCLUDING CIRCUITS RATED 100 AMPERES OR LESS, SHALL BE RATED AT 60 DEGREE, CENTIGRADE PER CEC 110.14(c).
40. ALL LIGHT FIXTURES INSTALLED OVER FOOD HANDLING OR FOOD PREPARATION AREAS, OPEN FOOD STORAGE AND UTENSIL WASHING AREAS SHALL BE OF SHATTERPROOF CONSTRUCTION OR SHALL BE PROTECTED WITH SHATTERPROOF SHIELDS AND SHALL BE READILY CLEANABLE.
41. ALL CONDUITS SHALL BE CONCEALED BELOW SLAB, IN WALLS AND/OR ABOVE CEILINGS EXCEPT IN ELECTRICAL ROOMS, MECHANICAL ROOMS, AND OTHER SIMILAR UTILITY ROOMS AS APPROVED BY THE ARCHITECT. NO CONDUIT SHALL BE EXPOSED ON EXTERIOR BUILDING SURFACES WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
42. PROVIDE A CODE SIZED GROUND CONDUCTOR IN ALL CONDUITS WHETHER INDICATED ON PLANS OR NOT.

ELECTRICAL ABBREVIATIONS

| ABBREV | DESCRIPTIONS | ABBREV | DESCRIPTIONS |
|-----------|---|---------|---|
| A, AMP | AMPERES | MAX | MAXIMUM |
| AC | ACOVE COUNTER | MC | METAL-CLAD CABLE |
| AF/AT | AMPERE FRAME / AMPERE TRIP | MCA | MINIMUM CIRCUIT AMPACITY |
| AFCI | ARC FAULT CIRCUIT INTERRUPTER | MCB | MAIN CIRCUIT BREAKER |
| AFF | ABOVE FINISHED FLOOR | MCC | MOTOR CONTROL CENTER |
| AHJ | AUTHORITY HAVING JURISDICTION | MGB | MAIN GROUND BAR |
| AIC | AMPERE INTERRUPTING CAPACITY | MG SET | MOTOR-GENERATOR SET |
| AL | ALUMINUM | MLO | MAIN LUGS ONLY |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE | MOC | MAXIMUM OVERCURRENT PROTECTION |
| AS/AF | AMPERE SWITCH / AMPERE FUSE | MPOE | MINIMUM POINT OF ENTRY |
| AUTO | AMPERE TRIP RATING OF BREAKER | MS | MOTION SENSOR |
| ATS | AUTOMATIC | MSB | MAIN SWITCHBOARD |
| AWG | AUTOMATIC TRANSFER SWITCH | MTD | MOUNTED |
| BMS | AMERICAN WIRE GAUGE | MTS | MANUAL TRANSFER SWITCH |
| C, CDT | BUILDING MANAGEMENT SYSTEM | MV | MEDIUM VOLTAGE CABLE |
| CAV | CONDUIT | MW | MEGAWATTS |
| CB | COMMUNITY ANTENNA TELEVISION | (N) | NEW |
| CC | CIRCUIT BREAKER | NECA | NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION |
| CCF | CALIFORNIA ELECTRICAL CODE | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| CFL | COMPACT FLUORESCENT | NIC | NOT IN CONTRACT |
| CFI | CONTRACTOR FURNISHED, CONTRACTOR INSTALLED | NL | NIGHT LIGHT |
| CKT | CIRCUIT | NRTL | NATIONALLY RECOGNIZED TESTING LABORATORIES |
| cmil | CIRCULAR MIL | NTS | NOT TO SCALE |
| CO | CONDUIT ONLY w/PULL STRING | ON | ON CENTER |
| CSFM | CALIFORNIA STATE FIRE MARSHALL | OSHPD | OVERCURRENT PROTECTIVE DEVICE |
| CT | CURRENT TRANSFORMER | OFCI | OWNER FURNISHED CONTRACTOR INSTALLED |
| CU | COPPER | OFI | OWNER FURNISHED, OWNER INSTALLED |
| DET | DETAIL | PH, P | PHASE OR POLE |
| DISC | DISCONNECT | PB | PULL BOX |
| DIST | DISTRIBUTION | PF | POWER FACTOR |
| DWG | DRAWING | PFB | PROVIDE FOR FUTURE BREAKER |
| EC | ELECTRICAL CONTRACTOR | PIV | POST INDICATOR VALVE |
| ECC | EQUIPMENT GROUNDING CONDUCTOR | PLC | PROGRAMMABLE LOGIC CONTROLLERS |
| ELEV, EL | ELEVATION | PNE | PANEL |
| EM, EMERG | EMERGENCY | PoE | POWER OVER INTERNET |
| EMT | ELECTRICAL METALLIC TUBING | PV | PHOTOVOLTAICS |
| ENT | ELECTRICAL NONMETALLIC TUBING | PVC | POLYVINYL CHLORIDE |
| EOL | END OF LINE RESISTOR | PWR | POWER |
| EPO | EMERGENCY POWER OFF | (R) | RELOCATED |
| EQPT | EQUIPMENT | RCP | REFLECTED CEILING PLAN |
| EY | ELECTRIC VEHICLE | RECT | RECEPTACLE |
| EVSE | ELECTRIC VEHICLE SUPPLY EQUIPMENT | REQD | REQUIRED |
| EXH | EXHAUST | RGSC | RIGID GALVANIZED STEEL CONDUIT |
| (E) | EXISTING | RMC | RIGID METAL CONDUIT |
| (F) | FUTURE | RMS | ROOT-MEAN-SQUARE |
| FACP | FIRE ALARM CONTROL PANEL | SCADA | SUPERVISORY CONTROL AND DATA ACQUISITION |
| FED | FURNISHED BY OTHERS | SCR | SILICON CONTROLLED RECTIFIER |
| FF | FINISHED FLOOR | SHLD | SHIELDED |
| FG | FINISHED GRADE | SPD | SURGE-PROTECTIVE DEVICE |
| FLA | FULL LOAD AMPS | SPECS | SPECIFICATIONS |
| FLEX | FLEXIBLE | SW | SWITCH |
| FLUOR | FLUORESCENT | T, XFMR | TRANSFORMER |
| FMC | FLEXIBLE METAL CONDUIT | TEMP | TEMPORARY |
| FMT | FLEXIBLE METAL TUBING | THHN | THERMOPLASTIC, HEAT RESISTANT CABLE, NYLON |
| GEC | GROUNDING ELECTRODE CONDUCTOR | TS | TAMPERS RESISTANT |
| GFCI | GROUND-FAULT CURRENT INTERRUPTER | TR | TAMPERS RESISTANT |
| GFCI | GROUND-FAULT PROTECTION OF EQUIPMENT | TSTAT | THERMOSTAT |
| GND | GROUND | TYP | TYPICAL |
| HID | HIGH INTENSITY DISCHARGE | UG | UNDERGROUND |
| HP | HORSEPOWER | UGPS | UNDERGROUND PULL SECTION |
| HVAC | HEATING, VENTILATION & AIR CONDITIONING | UL | UNDERWRITERS LABORATORIES |
| Hz | HERTZ (cycle per second) | UNO | UNLESS NOTED OTHERWISE |
| IEE | INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS | UPS | UNINTERRUPTIBLE POWER SUPPLY |
| IG | ISOLATED GROUND | USB | UNIVERSAL SERIAL BUS |
| IMC | INTERMEDIATE METAL CONDUIT | VFD | VARIABLE FREQUENCY DRIVE |
| ISC, SC | SHORT CIRCUIT | V | VOLTS |
| ISOL | ISOLATED | Va | VOLT-AMPERE |
| JBX | JUNCTION BOX | Vac | VOLTS ALTERNATING CURRENT |
| kmil | ONE THOUSAND CIRCULAR MILS | Vdc | VOLTS DIRECT CURRENT |
| kV | KILOVOLTS | VEM | VIRTUAL NET ENERGY METERING |
| kVA | KILOVOLTS-AMPERES | W | WATTS |
| LED | LIGHT-EMITTING DIODE | W-hr | WATT-HOUR |
| LCP | LIGHTING CONTROL PANEL | WITH | WITH |
| LPC | LIQUEFIED PETROLEUM GAS | WP | WEATHERPROOF |
| LRC | LOCKED-ROTOR CURRENT | WPL | WEATHERPROOF LOCKING |
| LTG | LIGHTING | WPU | WEATHERPROOF WHILE IN USE |
| | | WR | WEATHER RESISTANT |
| | | (X) | REMOVE OR DEMO |

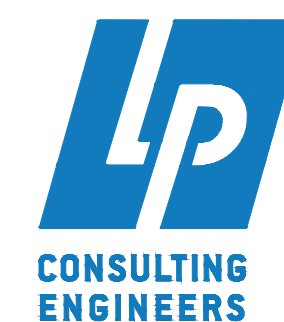
ELECTRICAL SHEET INDEX

| SHEET NO. | SHEET TITLE |
|-----------|---|
| E001 | ELECTRICAL SHEET INDEX, NOTES AND ABBREVIATIONS |
| E002 | ELECTRICAL SYMBOL LEGEND |
| E101 | ELECTRICAL SITE PLAN |
| E201 | POWER FLOOR PLAN |
| ED301 | DEMO POWER FLOOR ENLARGED PLAN |
| E301 | POWER FLOOR ENLARGED PLAN |
| E601 | ELECTRICAL SCHEDULES AND DETAILS |



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PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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TITLE
**ELECTRICAL SHEET
INDEX, NOTES AND
ABBREVIATIONS**

SHEET

E001

0.14" = 1'-0"

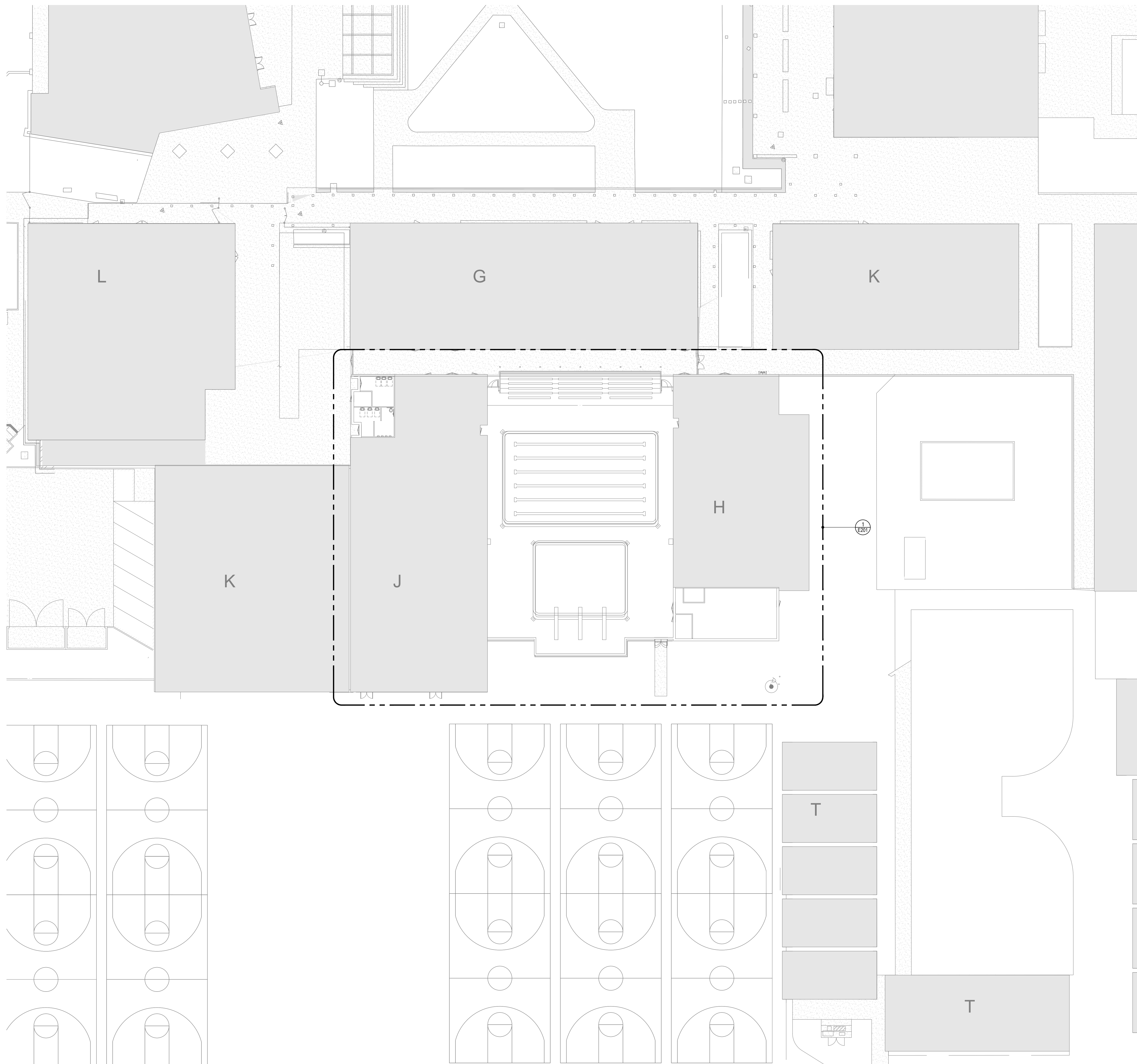
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1 ELECTRICAL SITE PLAN
SCALE 1" = 20'-0"



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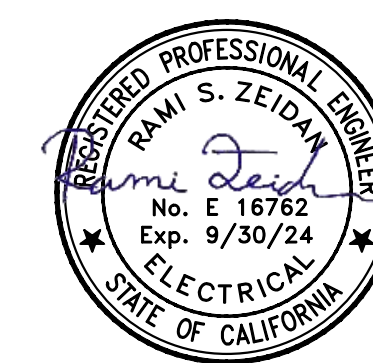


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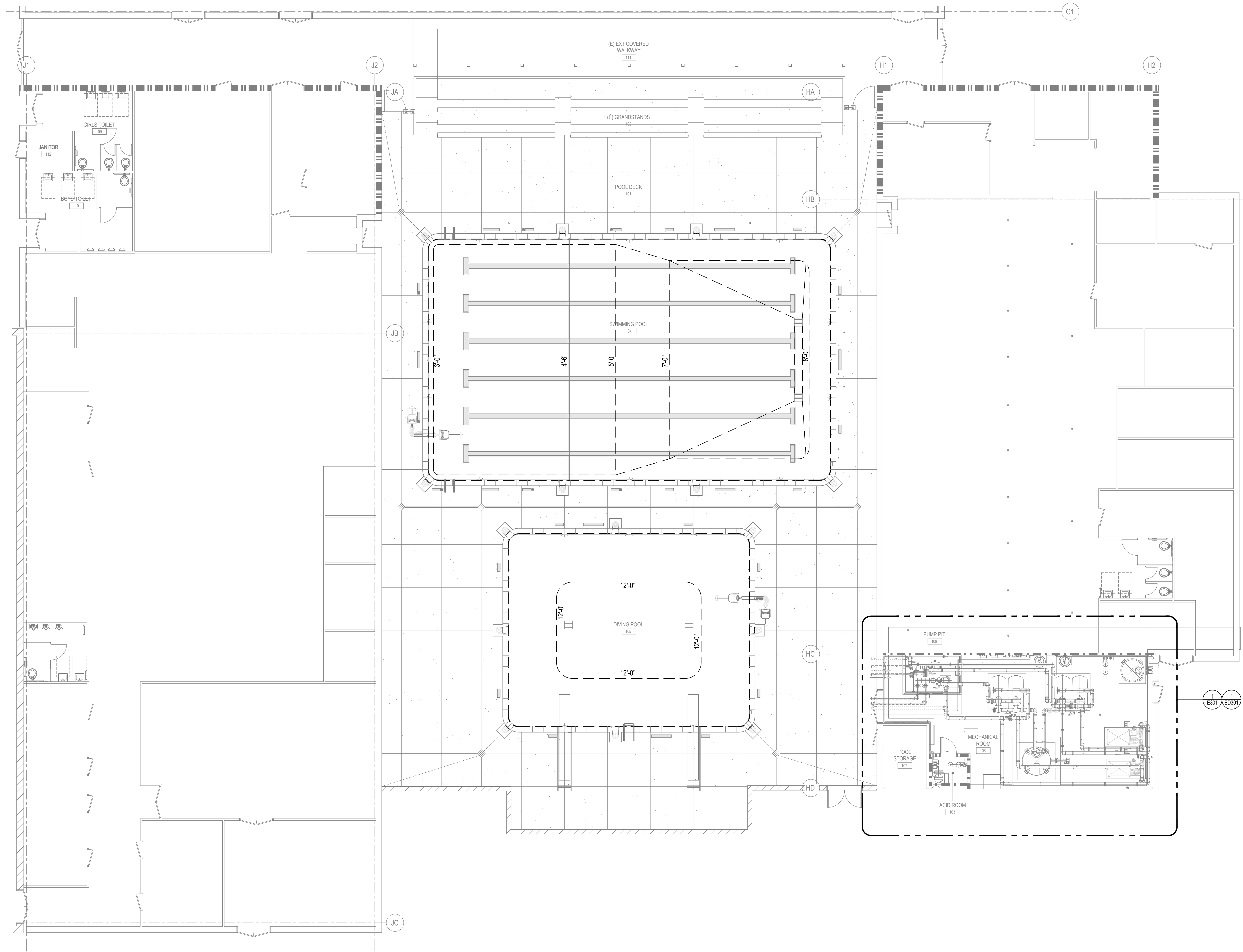
**ELECTRICAL
SITE PLAN**

SHEET

E101

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

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PROJECT
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SWIMMING POOL UPGRADE**

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TITLE
POWER FLOOR PLAN

SHEET
E201

0.14" 1/2"

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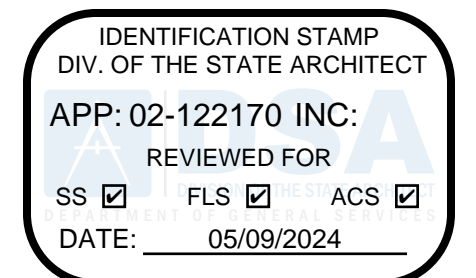
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GENERAL NOTES

- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
- B. PATCH, REPAIR, AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.
- C. REFER TO ARCHITECTURAL, AQUATIC, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- D. PROVIDE PVC OR STAINLESS STEEL J-BOXES, CONDUITS AND FITTINGS IN ALL CHEMICAL STORAGE ROOMS.

KEY NOTES

- ① (E) ELECTRICAL PANEL TO REMAIN.
- ② (E) 45 KVA, 480V/208V, 3 PHASE TRANSFORMER TO REMAIN. PROTECT THE EQUIPMENT AND ASSOCIATED FEEDERS DURING CONSTRUCTION WORK.
- ③ (E) LIGHTING CONTROLS TO REMAIN. PROTECT DURING CONSTRUCTION WORK.
- ④ (E) POOL PUMPS TO BE DEMOLISHED, DEMOLISH AND REMOVE ALL ASSOCIATED CONTROLS, CONDUITS AND WIRING.
- ⑤ (E) PUMPS CONTROLS TO BE DEMOLISHED. DEMOLISH AND REMOVE ALL ASSOCIATED CONDUITS AND WIRING.
- ⑥ DEMO WATER TANK CONTROL. DEMOLISH AND REMOVE ALL ASSOCIATED CONTROLS, PUMPS, CONDUITS AND WIRING.
- ⑦ DEMO GAS BOILER. DEMOLISH AND REMOVE ALL ASSOCIATED, PUMPS, CONTROLS, CONDUITS AND WIRING.
- ⑧ CONTRACTOR SHALL PROTECT ALL EXISTING POWER AND LIGHTING CIRCUITS FOR OTHER BUILDINGS, STRUCTURES AND ROOMS WHICH ARE FED FROM (E) PANEL "HH" AND "LH" AND ARE NOT PART OF POOL EQUIPMENT ROOM DEMO WORK. DEMOLISH AND REMOVE ALL UNUSED/ABANDONED ELECTRICAL CONDUITS, WIRES, J-BOXES AND DEVICES IN THE POOL EQUIPMENT ROOM. REFER TO ARCHITECTURAL, AQUATIC, MECHANICAL AND PLUMBING DRAWINGS FOR MORE INFO REGARDING DEMO WORK.
- ⑨ DEMO BOOSTER HOT WATER HEATER. REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO SOURCE.



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PROJECT
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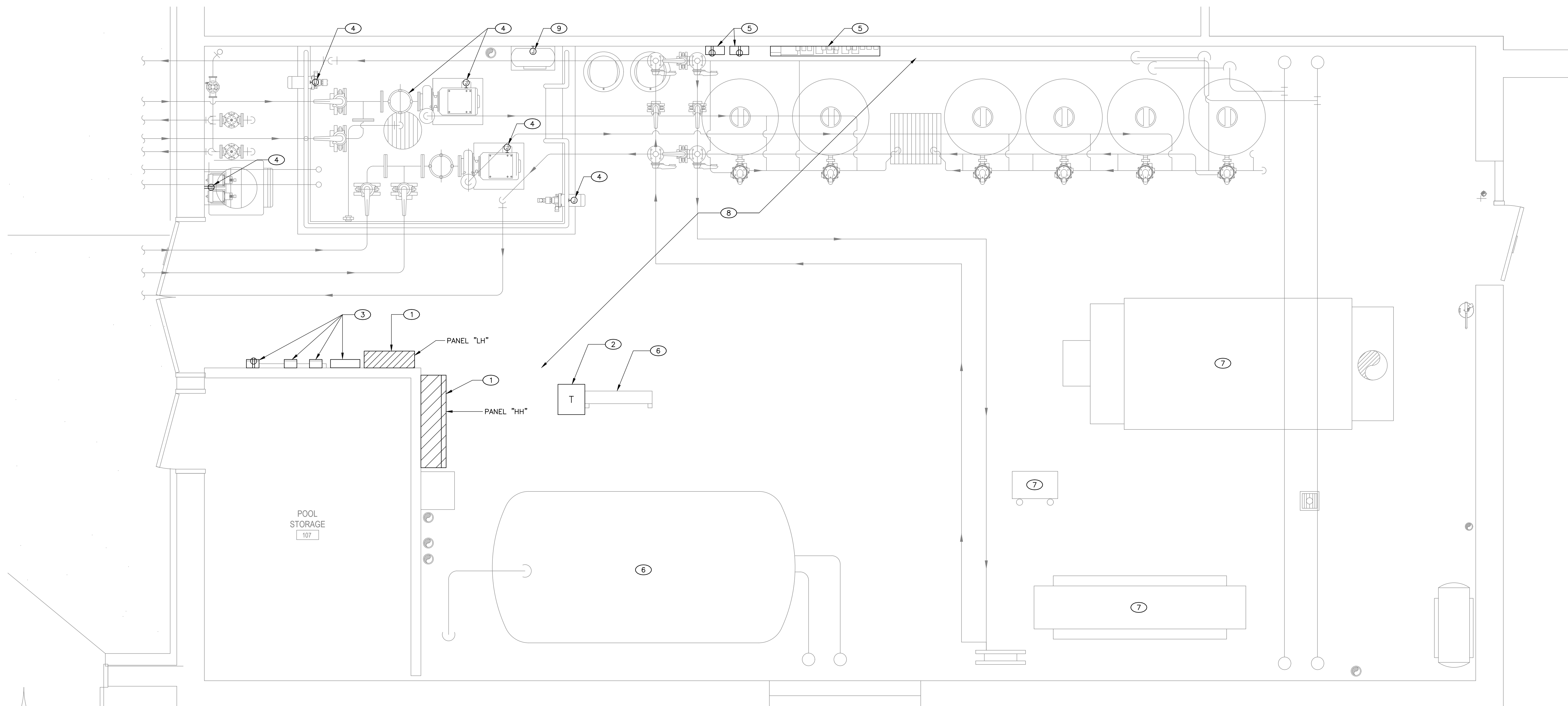
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TITLE
**DEMO POWER FLOOR
 ENLARGED PLAN**

SHEET
ED301



① DEMO POWER FLOOR ENLARGED PLAN
 SCALE: 1/2" = 1'-0"

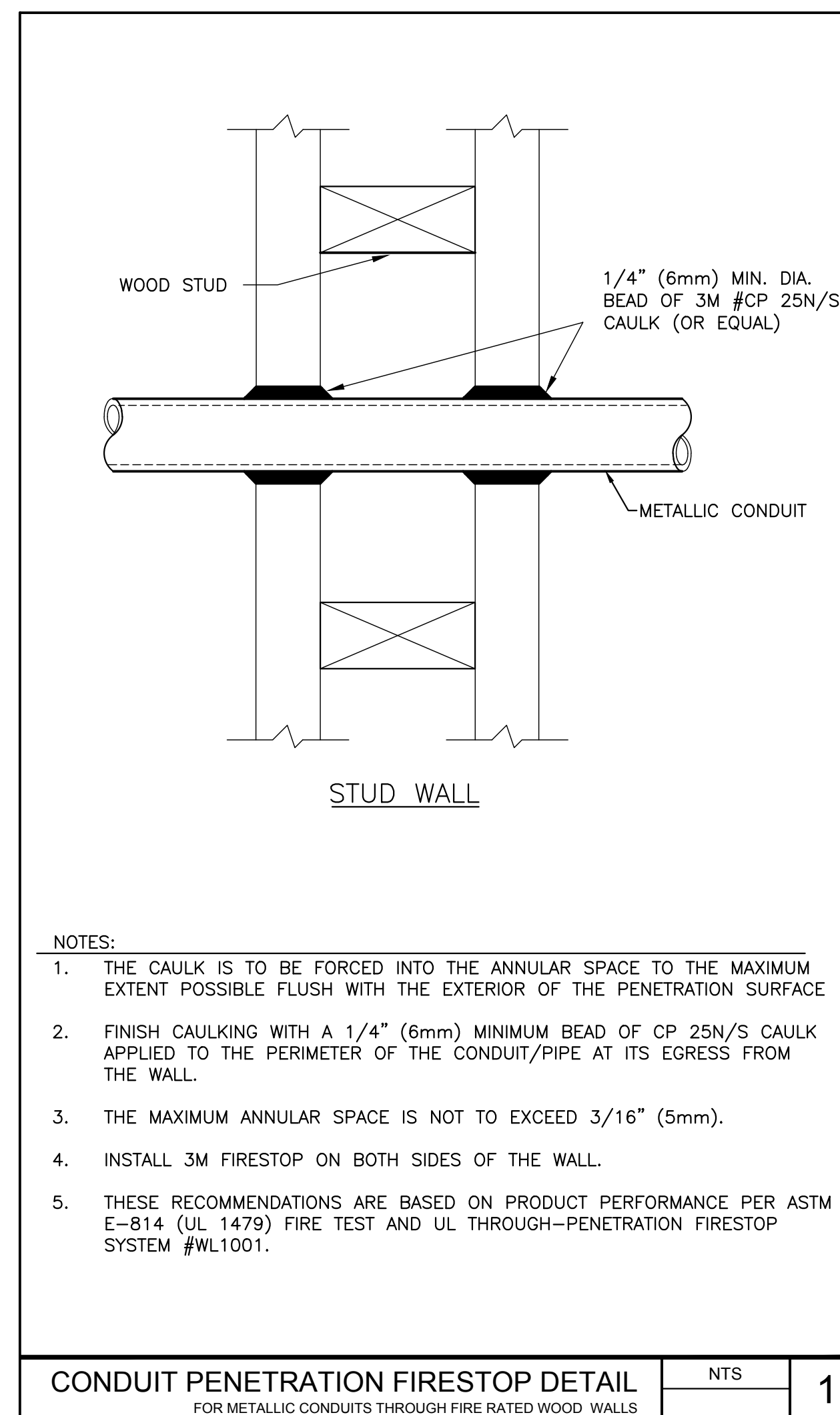
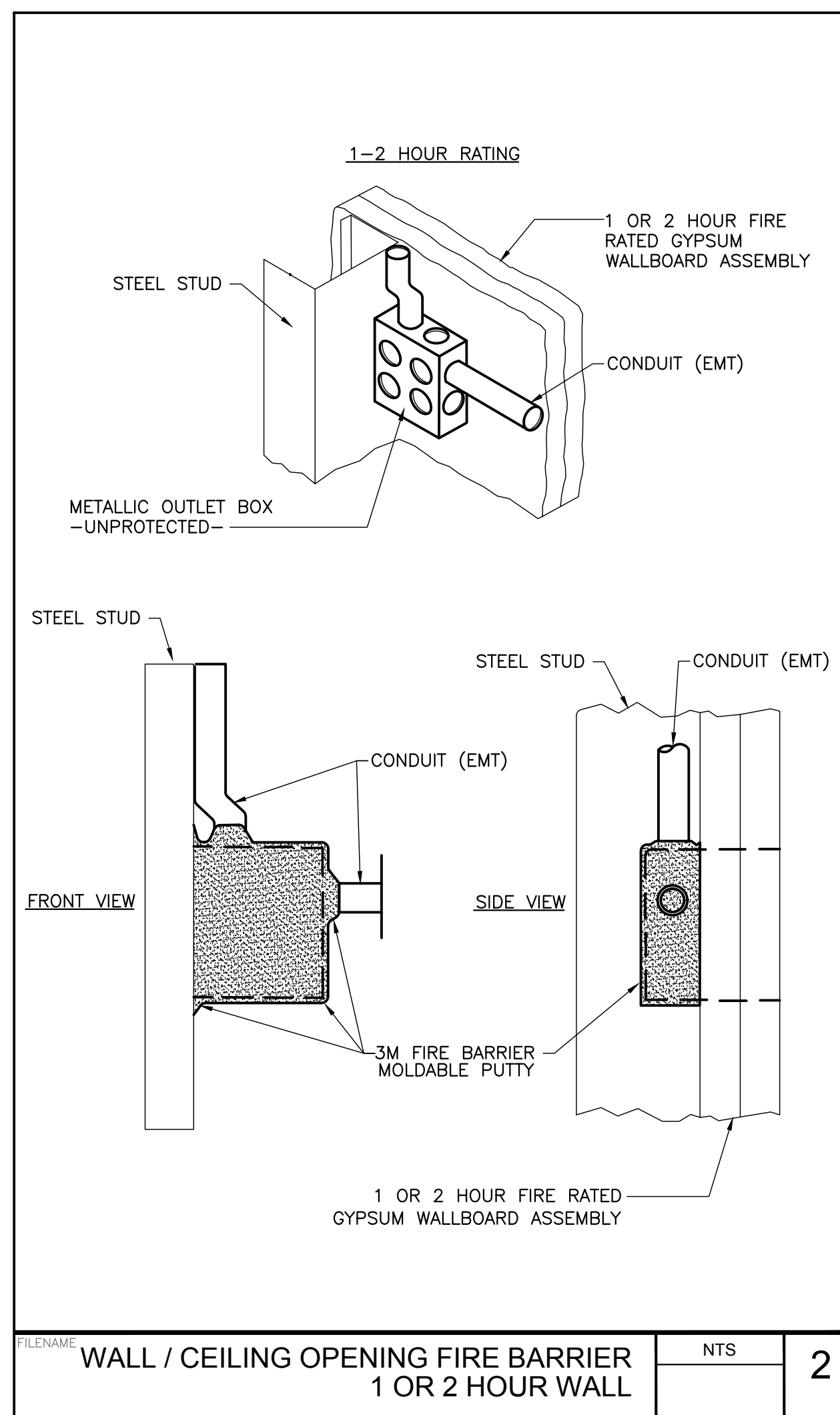
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EXISTING PANEL "HH" [1]

277/480 Volt, 3 Phase, 4 Wire
350 Amp BUS CU.
350 Amp MCB
Amp MLO

EXISTING KAIC Rating
SURFACE Mounted
NEMA 1 Type

| CKT | BKR | DESCRIPTION | PHASE SUMMARY (WATTS) | | | DESCRIPTION | BKR | CKT |
|--------------|----------|---------------------------|-----------------------|--------|--------|-----------------------------|---------|-----|
| | | | A | B | C | | | |
| 1 | (E)20/1 | SPARE | | | | (E)GIRLS TOILET AND STORAGE | (E)20/1 | 2 |
| 3 | (E)20/1 | (E)GIRLS LOCKER ROOM | 1,600 | | | (E)GIRLS OFFICES | (E)20/1 | 4 |
| 5 | (E)20/1 | (E)GIRLS LOCKER ROOM | 1,600 | | | (E)ELITES MECHANICAL ROOM | (E)20/1 | 6 |
| 7 | (E)20/1 | SPARE | | | | SPARE | (E)20/1 | 8 |
| 9 | (E)20/1 | SPARE | | | | SPARE | (E)20/1 | 10 |
| 11 | (E)20/1 | SPARE | | | | SPARE | (E)20/1 | 12 |
| 13 | (E)50/3 | (E)CMS 35 | 7,918 | | | SPARE | (E)15/1 | 14 |
| 15 | - | - | | 7,918 | | - | - | 16 |
| 17 | - | - | | 7,918 | 7,918 | - | - | 18 |
| 19 | (E)50/3 | (E)PMP#36 | 7,918 | 7,918 | | (N) SWIMMING POOL PUMP | (E)40/3 | 20 |
| 21 | - | - | | 7,918 | | - | - | 22 |
| 23 | - | - | | 7,918 | | - | - | 24 |
| 25 | (E)15/3 | (E)PMP#5 | 2,375 | | | (N) DIVE POOL PUMP | (E)40/3 | 26 |
| 27 | - | - | | 2,375 | | - | - | 28 |
| 29 | - | - | | 2,375 | | - | - | 30 |
| 31 | (E)15/3 | (E)PMP#2 | 2,375 | | | (E)PMP#1 | (E)15/3 | 32 |
| 33 | - | - | | 2,375 | | - | - | 34 |
| 35 | - | - | | 2,375 | 2,375 | - | - | 36 |
| 37 | (E)15/3 | (E)PMP#3 | 2,375 | | | (E)PUMP | (E)15/3 | 38 |
| 39 | - | - | | 2,375 | | - | - | 40 |
| 41 | - | - | | 2,375 | | - | - | 42 |
| 43 | (E)30/3 | (E)LIGHT SUBTIED TO ABOVE | | | 15,000 | (N) ELECTRIC WATER HEATER | [1]70/3 | 44 |
| 45 | - | - | | | 15,000 | - | - | 46 |
| 47 | - | - | | | 15,000 | - | - | 48 |
| 49 | (E)100/3 | (E)PANEL "LH" | 23,333 | | | (E)BOOSTER HOT WATER HEATER | (E)70/3 | 50 |
| 51 | - | - | | 23,333 | | - | - | 52 |
| 53 | - | - | | | 15,000 | - | - | 54 |
| 55 | PFB | SPACE | | | | SPACE | PFB | 56 |
| 57 | - | - | | | | - | - | 58 |
| 59 | - | - | | | | - | - | 60 |
| PHASE TOTALS | | | A | B | C | | | |
| | | | 94,204 | 95,884 | 95,884 | | | |

DEMAND LOADS

| | | |
|-----------------------------------|---------|-------|
| LIGHTING / CONTINUOUS LOAD x 125% | 6,000 | Watts |
| RECEPTACLES / OTHER x 100% | 281,252 | Watts |
| LARGEST MOTOR x 25% | 1,980 | Watts |
| TOTAL DEMAND LOADS | 289,232 | Watts |
| TOTAL DEMAND AMPS | 348 | AMPS |

PANEL AND CIRCUIT BREAKER NOTES:
 [1] PROVIDE NEW CIRCUIT BREAKER. MATCH THE EXISTING AIC RATING.
 [2]

EXISTING PANEL "LH" [1]

120/208 Volt, 3 Phase, 4 Wire
225 Amp BUS CU.
225 Amp MCB
Amp MLO

EXISTING KAIC Rating
SURFACE Mounted
NEMA 1 Type

| CKT | BKR | DESCRIPTION | PHASE SUMMARY (WATTS) | | | DESCRIPTION | BKR | CKT |
|--------------|---------|-----------------------------|-----------------------|--------|--------|--------------------------|---------|-----|
| | | | A | B | C | | | |
| 1 | (E)20/1 | (E) NIGHT LIGHTING | 1,500 | | | (E) RECEPT | (E)20/1 | 2 |
| 3 | (E)20/1 | (E) NIGHT LIGHTING | | 1,500 | | (E) RECEPT | (E)20/1 | 4 |
| 5 | (E)20/1 | (E) EXHAUST FAN | | 1,080 | 1,080 | (E) RECEPT OFFICE | (E)20/1 | 6 |
| 7 | (E)20/1 | (E) RECEPT | 1,080 | | | (E) RECEPT | (E)20/1 | 8 |
| 9 | (E)20/1 | (E) EXHAUST FAN | | 1,500 | | (E) DIVING POOL LIGHTS | (E)20/1 | 10 |
| 11 | (E)20/1 | (E) COMPRESSOR | | 1,500 | 1,371 | (E) SWIMMING POOL LIGHTS | (E)20/1 | 12 |
| 13 | (E)20/1 | (E) EXISTING LOAD | 1,600 | | | (E) SWIMMING POOL LIGHTS | (E)20/1 | 14 |
| 15 | (E)20/1 | (E) EXISTING LOAD | | 1,600 | | (E) CLOTHES HANGER MOTOR | (E)20/1 | 16 |
| 17 | (E)20/1 | (E) EXISTING LOAD | | | 1,600 | (E) CLOTHES HANGER MOTOR | (E)20/1 | 18 |
| 19 | (E)20/1 | (E) EXISTING LOAD | 1,600 | | | (E) CLOTHES HANGER MOTOR | (E)20/1 | 20 |
| 21 | (E)20/1 | (E) EXISTING LOAD | | 1,600 | | (E) JORO PUMP TOCKER RM | (E)20/1 | 22 |
| 23 | (E)20/1 | (E) GIRLS LOCKER RM SPA TUB | | | 1,600 | (N) CHEMISTRY CONTROLLER | [1]40/1 | 24 |
| 25 | (E)20/1 | (E) PUMP BOLLER PUMP | 1,371 | | | (N) CHEMISTRY CONTROLLER | [1]40/1 | 26 |
| 27 | (E)20/1 | (E) VACUUM PUMP | | 1,371 | | (E) RECEPT | (E)20/1 | 28 |
| 29 | (E)20/1 | (N) RECEPT, TP-2 | | | 568 | (E) HOT WATER CONTROLLER | (E)20/1 | 30 |
| 31 | [1]20/1 | (N) CHLORINE FEED PUMP | 860 | | | (N) POOL HEATER CONTROL | [1]20/1 | 32 |
| 33 | [1]20/1 | (N) CHLORINE FEED PUMP | 860 | 860 | | (N) POOL HEATER CONTROL | [1]20/1 | 34 |
| 35 | [1]20/1 | (N) ACID FEED PUMP | | 860 | | (N) POOL HEATER PUMP | [1]20/1 | 36 |
| 37 | [1]20/1 | (N) ACID FEED PUMP | 860 | | | (N) POOL HEATER PUMP | [1]20/1 | 38 |
| 39 | [1]20/1 | (N) POOL WATER FILL SYSTEM | | 500 | | (N) EXHAUST FAN CEF-1 | [1]20/1 | 40 |
| 41 | [1]20/1 | (N) CIRCULATION PUMP | | | 110 | (N) EXHAUST FAN CEF-2 | [1]20/1 | 42 |
| 43 | (E)70/3 | FEED TOP SECTION "LH" | | | | (E) LOAD | (E)15/3 | 44 |
| 45 | - | - | | | | (E) LOAD | - | 46 |
| 47 | - | - | | | | (E) LOAD | - | 48 |
| 49 | (E)20/3 | (E) LOAD | 1,921 | | | (E) LOAD | (E)15/3 | 50 |
| 51 | - | (E) LOAD | | 1,921 | | (E) LOAD | - | 52 |
| 53 | - | (E) LOAD | | | 1,921 | (E) LOAD | - | 54 |
| PHASE TOTALS | | | A | B | C | | | |
| | | | 22,372 | 22,834 | 19,830 | | | |

DEMAND LOADS

| | | |
|-----------------------------------|--------|-------|
| LIGHTING / CONTINUOUS LOAD x 125% | 14,329 | Watts |
| RECEPTACLES / OTHER x 100% | 53,573 | Watts |
| LARGEST MOTOR x 25% | 415 | Watts |
| TOTAL DEMAND LOADS | 68,316 | Watts |
| TOTAL DEMAND AMPS | 190 | AMPS |

PANEL AND CIRCUIT BREAKER NOTES:
 [1] PROVIDE NEW CIRCUIT BREAKER. MATCH EXISTING AIC RATING.
 [2]

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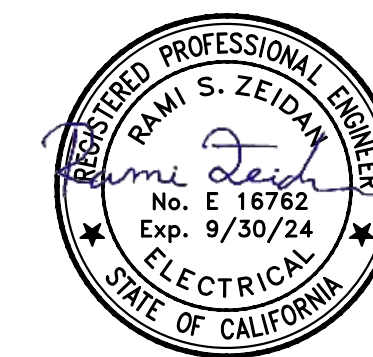


MEP & FS / Sustainability / CxA

1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-771-0778

www.lpenginers.com
 Job #: 23-2283

SEAL



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
 SWIMMING POOL UPGRADE**

6715 GLORIA DR
 SACRAMENTO, CA 95831

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

ISSUED
 MARK DATE DESCRIPTION

MANAGEMENT
 LIONAKIS PROJECT NO: 022323
 CLIENT PROJECT NO: N/A
 COPYRIGHT: LIONAKIS 2023

TITLE
**ELECTRICAL
 SCHEDULES AND DETAILS**

SHEET

E601

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1

SWIMMING POOL DATA

| | | |
|---------------|---|----------------|
| SURFACE AREA | = | 3,375 SQ. FT. |
| PERIMETER | = | 236 FT. |
| DEPTHS | = | 3'-0" TO 8'-0" |
| VOLUME | = | 146,715 GAL. |
| 6 HR TURNOVER | = | 407 GPM |

DIVING POOL DATA

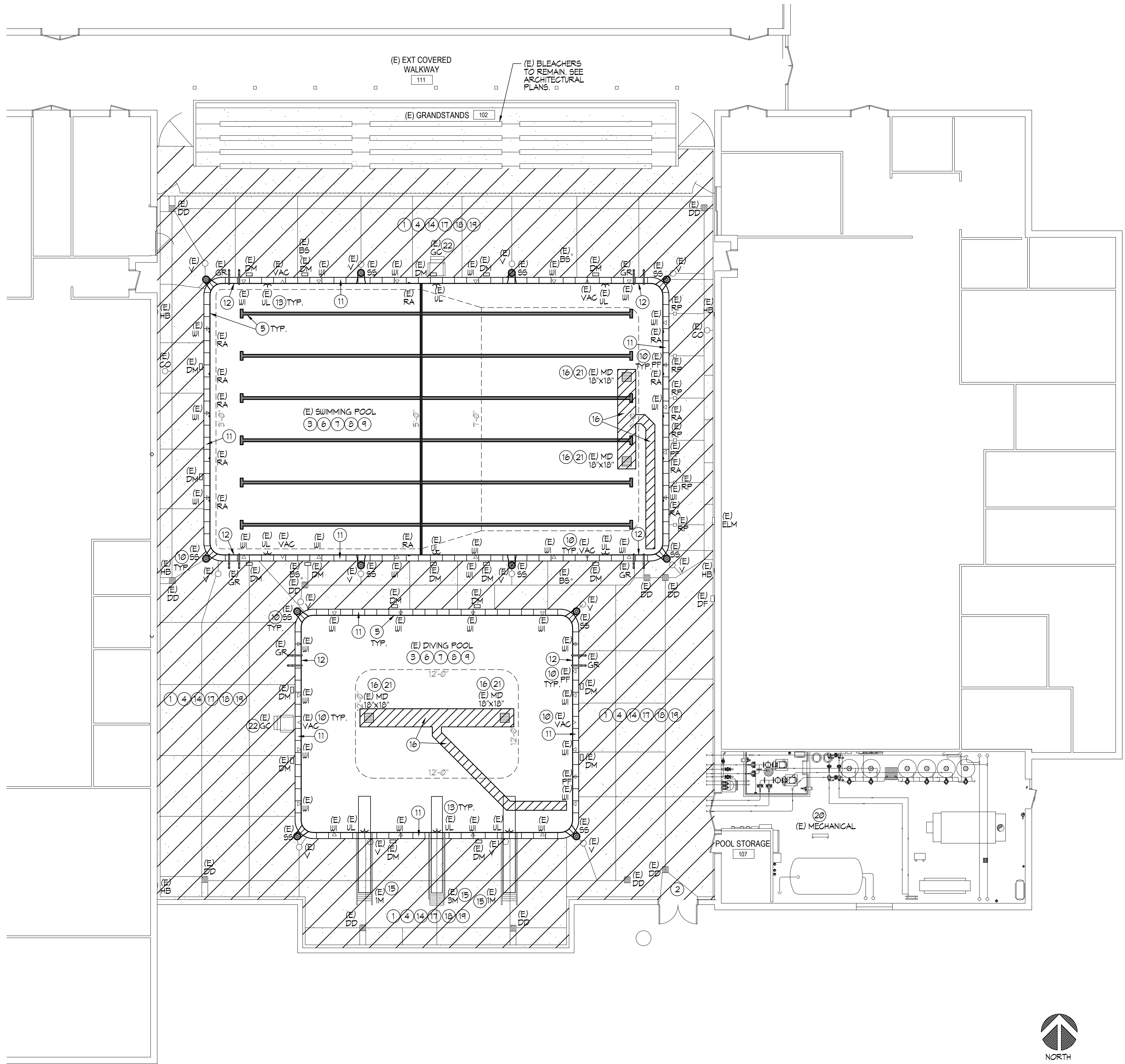
| | | |
|---------------|---|---------------|
| SURFACE AREA | = | 1,616 SQ. FT. |
| PERIMETER | = | 159 FT. |
| DEPTHS | = | 12'-0" |
| VOLUME | = | 145,052 GAL. |
| 6 HR TURNOVER | = | 403 GPM |

LEGEND

| | | | | | |
|-----|---|------------------------|-----|---|--|
| MD | = | MAIN DRAIN | DD | = | DECK DRAIN |
| SS | = | SURFACE SKIMMER | CO | = | CLEAN-OUT |
| DM | = | DEPTH MARKER | V | = | VALVE |
| GR | = | GRABRAIL | HB | = | HOSE BIB |
| WI | = | WALL INLET | ELM | = | ELECTRIC METER |
| RA | = | ROPE ANCHOR | (E) | = | EXISTING |
| UL | = | UNDERWATER LIGHT | | | |
| RP | = | RACING PLATFORM | | | |
| 1M | = | ONE METER DIVE STAND | | = | LIMITS OF POOL DECK REMOVAL |
| 3M | = | THREE METER DIVE STAND | | = | LIMITS OF POOL FLOOR REMOVAL AS NOTED ON PLANS |
| VAC | = | VACUUM | | | |
| PF | = | POOL FILL | | | |

DEMOLITION/CONSTRUCTION NOTES

- THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH OTHER TRADES AND SHALL PROTECT ALL EXISTING WORK, BUILDINGS, UTILITIES, ETC. TO REMAIN AS REQUIRED FOR RENOVATION OF SWIMMING POOL.
- COORDINATE INGRESS/EGRESS AND HAUL ROUTES WITH THE OWNER PRIOR TO START OF WORK.
- 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.
- COORDINATE PROPOSED CONTRACTOR STAGING AREA WITH THE OWNER PRIOR TO CONSTRUCTION. PROVIDE TEMPORARY PHONE, TOILET(S), FENCING, GATES, ETC. AS REQUIRED.
- REMOVE EXISTING WATERLINE TILE, SWIMMING POOL LANE LINES AND END WALL TARGET TILE, POOL COPING AND PLASTER FINISHES DOWN TO ORIGINAL SOUND CONCRETE/SHOTCRETE. ANY CRACKS SHALL BE CHIPPED OUT TO A MINIMUM TO 3/4"x3/4" AND THEN FILLED FLUSH WITH NON-SHRINK GROUT. ALL EXPOSED REBAR, RUST SPOTS, ETC. SHALL BE EXPOSED, BUSHED DOWN 1/2" BELOW FINISH SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. OTHER IMPERFECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO INSTALLING A NEW WHITE PLASTER FINISH.
- THE CONTRACTOR SHALL INSURE 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.
- THE CONTRACTOR SHALL PROVIDE A SUFFICIENT NUMBER OF WORKERS TO INSURE THAT THE ENTIRE POOL CAN BE PLASTERED IN A SINGLE DAY OR SHALL PROVIDE CONTINUAL MISTING OF PLASTERED SURFACES TO INSURE THAT PLASTER IS NOT EXPOSED TO THE AIR FOR A PERIOD OF TIME WHICH WOULD CAUSE DAMAGE IN ANY WAY.
- PROVIDE NEW TILE AND PLASTER FINISHES PER PLANS. REPLACE ANY DAMAGED OR LOST POOL FITTINGS AND GRATES LOST DURING DEMOLITION/CONSTRUCTION AS REQUIRED.
- THE OWNER SHALL IDENTIFY THE POOL FILL WATER SOURCE FROM CLOSEST FIRE HYDRANT AND SHALL PAY FOR THE WATER TO FILL THE POOL. THE CONTRACTOR IS RESPONSIBLE FOR FIRE HOSE, HOSES, FILLING AND PROTECTION OF PLASTER SURFACES. FILL SOURCE SHALL BE BLOW-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 SEVEN (7) DAYS AFTER PLASTER. THE CONTRACTOR SHALL COORDINATE HIS EFFORTS WITH OWNERS STAFF TO PROVIDE INSTRUCTION AND TRAINING IN PROPER OPERATION OF POOL IN CONJUNCTION WITH NEW PLASTER SURFACES.
- REMOVE EXISTING SURFACE SKIMMERS AND REPLACE WITH NEW PER PLANS. REMOVE EXISTING VACUUM FITTINGS AND FILL PENETRATIONS WITH HIGH STRENGTH GROUT FLUSH WITH WALL IN PREPARATION FOR NEW WHITE PLASTER FINISH.
- PROVIDE NEW POOL COPING TO MATCH NEW DECKING, COLOR/FINISH.
- REMOVE AND REPLACE ALL EXISTING GRABRAIL STEPS. ONCE STEPS ARE REMOVED ALL RUST SPOTS SHALL BE EXPOSED, BUSHED DOWN 1/2" BELOW FINISHED SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. THEN NEW CYCLOAC STEPS SHALL BE INSTALLED FLUSH WITH NON-SHRINK GROUT.
- REMOVE AND REPLACE EXISTING POOL UNDERWATER LIGHTS AND MOUNTING RINGS AS NEEDED WITH NEW LED PER PLANS. PULL NEW CORPS THROUGH NEW CONDUITS TO NEW JUNCTION BOXES. FIELD VERIFY CORP LENGTHS PRIOR TO ORDERING. SEE UNDERWATER LIGHT PLAN, FIELD VERIFY ALL CONDITIONS.
- REMOVE EXISTING DECK EQUIPMENT AS REQUIRED PRIOR TO DEMOLITION. PROVIDE NEW DECK EQUIPMENT AND ANCHORS AND BOND TO NEW DECKING. CONTRACTOR TO FIELD VERIFY AND DOCUMENT LOCATION OF DECK EQUIPMENT ANCHORS AND INSTALL NEW ANCHORS PER NEW LAYOUT PLAN.
- REMOVE EXISTING 3M DIVE STAND AND BOARD COMPLETELY. REMOVE EXISTING 1M DIVE STANDS AND BOARDS COMPLETELY AND INSTALL NEW 1M DIVE STANDS AND BOARDS PER PLANS.
- THE CONTRACTOR SHALL SAWCUT AND REMOVE POOL FLOOR AS REQUIRED TO INSTALL NEW SWIMMING POOL AND DIVING POOL 18" X 18" MAIN DRAINS, SUMPS, FRAMES, GRATES AND PIPING. THE CONTRACTOR SHALL PROVIDE VG&A CERTIFICATION TO THE OWNER AND HEALTH DEPARTMENT.
- REFER TO SHEET SP-112 FOR NEW DECK LAYOUT PLAN IN COORDINATION WITH CONTRACTOR FIELD LAYOUT AND EXISTING INFORMATIONAL PLANS. ALL NEW CONCRETE SHALL BE 4,000 PSI MINIMUM AT 28 DAYS.
- 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, AG 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.
- REMOVE EXISTING POOL DECKS AND POOL COPING AS SHOWN. NEW SUBGRADES ARE TO BE SCARIFIED A MIN OF 8" AND COMPACTED TO 10% PER ASTM D1557. 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 1.5% MAXIMUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE DEMOLITION, REMOVAL AND LEGAL DISPOSAL OF ALL EXISTING CONCRETE POOL DECKING SHOWN HATCHED ON THE PLANS, REGARDLESS OF THICKNESS, REINFORCING AND DECK SUBGRADE CONDITIONS. POOL DECK SUBGRADE SHALL BE BROUGHT INTO CONFORMANCE WITH NEW DECK DESIGN INCLUDING THICKNESS AND TYPE OF MATERIALS IN CONFORMANCE WITH SOILS REPORT AND/OR DETAILS HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OR IMPORTING SUBGRADE MATERIAL AND COMPACTION TO PROVIDE THE REQUIRED POOL DECK GRADES FOR NEW POOL DECKING PER PLANS AND SPECIFICATIONS.
- REMOVE AND REPLACE EXISTING SWIMMING POOL MECHANICAL EQUIPMENT AS SHOWN ON SHEET SP-411 AND SP-412.
- CARE IS TO BE TAKEN DURING POOL DRAIN DOWN, TO RELIEVE ANY HYDROSTATIC PRESSURE THROUGH EXISTING HYDROSTATIC RELIEF VALVES AND DRAINING THE POOL SLOWLY.
- REMOVE EXISTING LIFEGUARD CHAIR.



SWIMMING POOL / DIVING POOL DEMOLITION PLAN

1/8"=1'-0"

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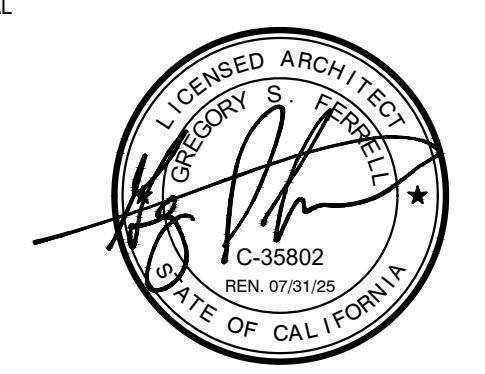
LIONAKIS

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 Sacramento CA 95818
 P 916.558.1900
 www.lionakis.com

CONSULTANT



SEAL



PROJECT
 JOHN F KENNEDY HIGH SCHOOL
 SWIMMING POOL UPGRADE

6715 GLORIA DR
 SACRAMENTO, CA 95831

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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| CLIENT PROJECT NO. | 700.00.007 |
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TITLE
 SWIMMING POOL / DIVING
 POOL DEMOLITION PLAN

SHEET
 SP-111

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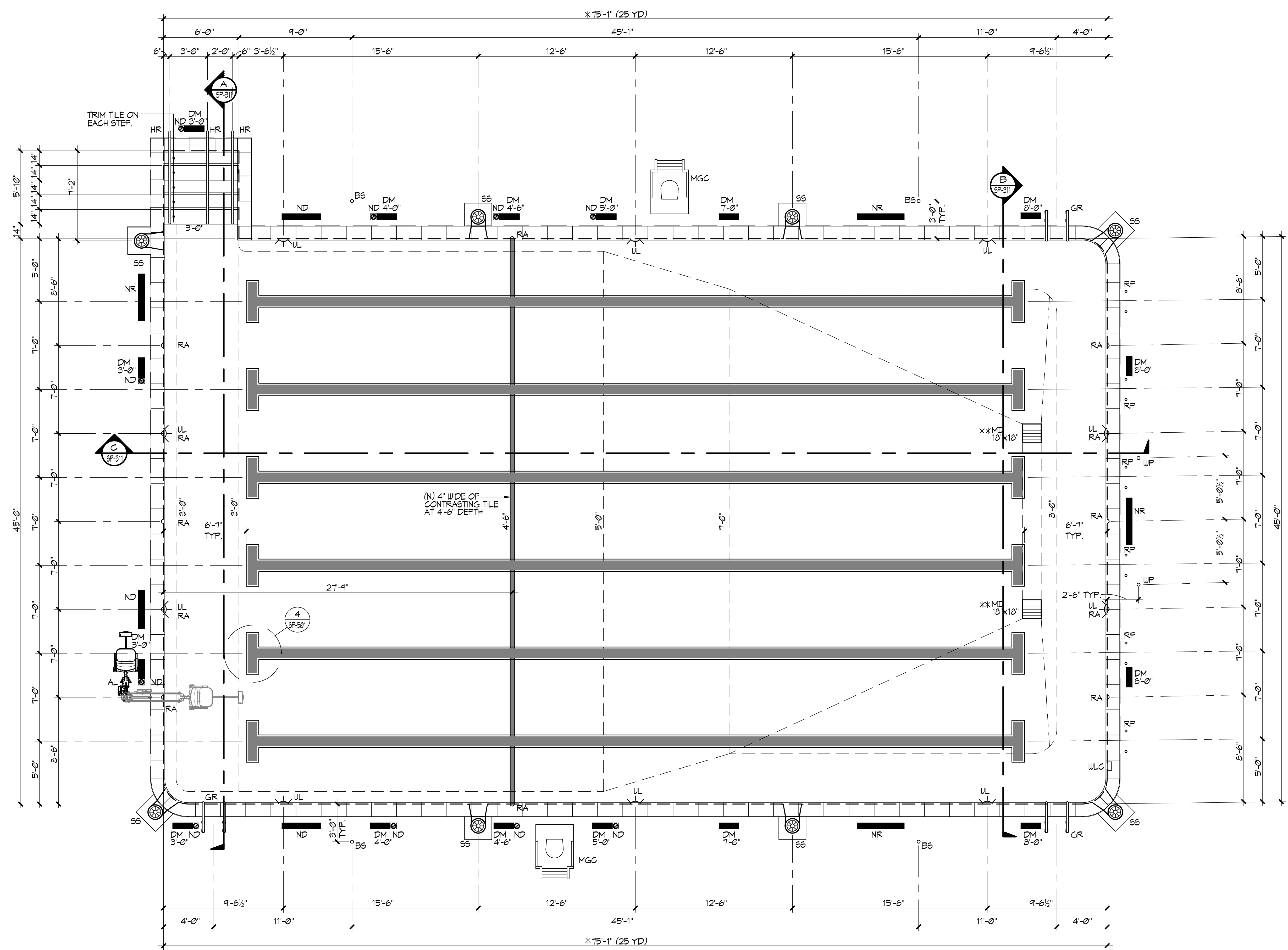
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2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT



SWIMMING POOL DATA

| | | |
|---------------|---|----------------|
| SURFACE AREA | = | 3,417 SQ. FT. |
| PERIMETER | = | 250 FT. |
| DEPTHS | = | 3'-0" TO 8'-0" |
| VOLUME | = | 146,715 GAL. |
| 6 HR TURNOVER | = | 407 GPM |

LEGEND

| | | | | | |
|-------|---|------------------------|--|---|--------|
| ** MD | = | MAIN DRAIN | | 3 | SP-503 |
| UL | = | UNDERWATER LIGHT | | 3 | SP-504 |
| DM | = | DEPTH MARKER | | 6 | SP-501 |
| NR | = | NO RUNNING | | 7 | SP-501 |
| ND | = | NO DIVING | | 1 | SP-501 |
| GR | = | GRABRAIL | | 1 | SP-503 |
| MGC | = | MOVEABLE GUARD CHAIR | | 4 | SP-503 |
| AL | = | ACCESSIBLE LIFT | | 7 | SP-503 |
| SS | = | SURFACE SKIMMER | | 1 | SP-504 |
| BS | = | BACKSTROKE STANCHION | | 4 | SP-502 |
| WLC | = | WATER LEVEL CONTROLLER | | 2 | SP-504 |
| RP | = | RAGING PLATFORM | | 2 | SP-502 |
| RA | = | ROPE ANCHOR | | 3 | SP-502 |
| WP | = | WATERPOLO GOAL | | 6 | SP-502 |
| HR | = | HANDRAIL | | 3 | SP-506 |

CERTIFICATION REQUIREMENTS

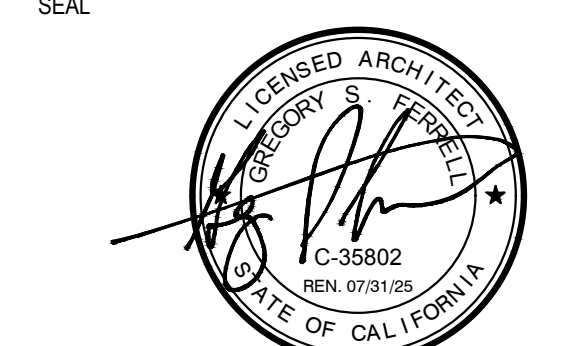
* THE CONTRACTOR SHALL RETAIN AN INDEPENDENT LICENSED SURVEYOR TO PROVIDE PROOF OF COMPLIANCE FOR REQUIRED POOL LENGTHS AS FOLLOWS: (RECOMMEND PATRELL ENG. GROUP (626) 335-4362)

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

TOLERANCE AGAINST LENGTH SHALL EXTEND IN A VERTICAL PLANE 0.3M (12") ABOVE AND 0.5M (2'-0") 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.

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



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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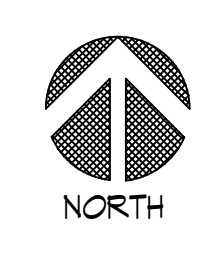
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| CLIENT PROJECT NO. | 700.00.007 |
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TITLE
**SWIMMING POOL
LAYOUT PLAN**

SHEET
SP-113

SWIMMING POOL LAYOUT PLAN

1/8"=1'-0"



0.14" = 1'-0"

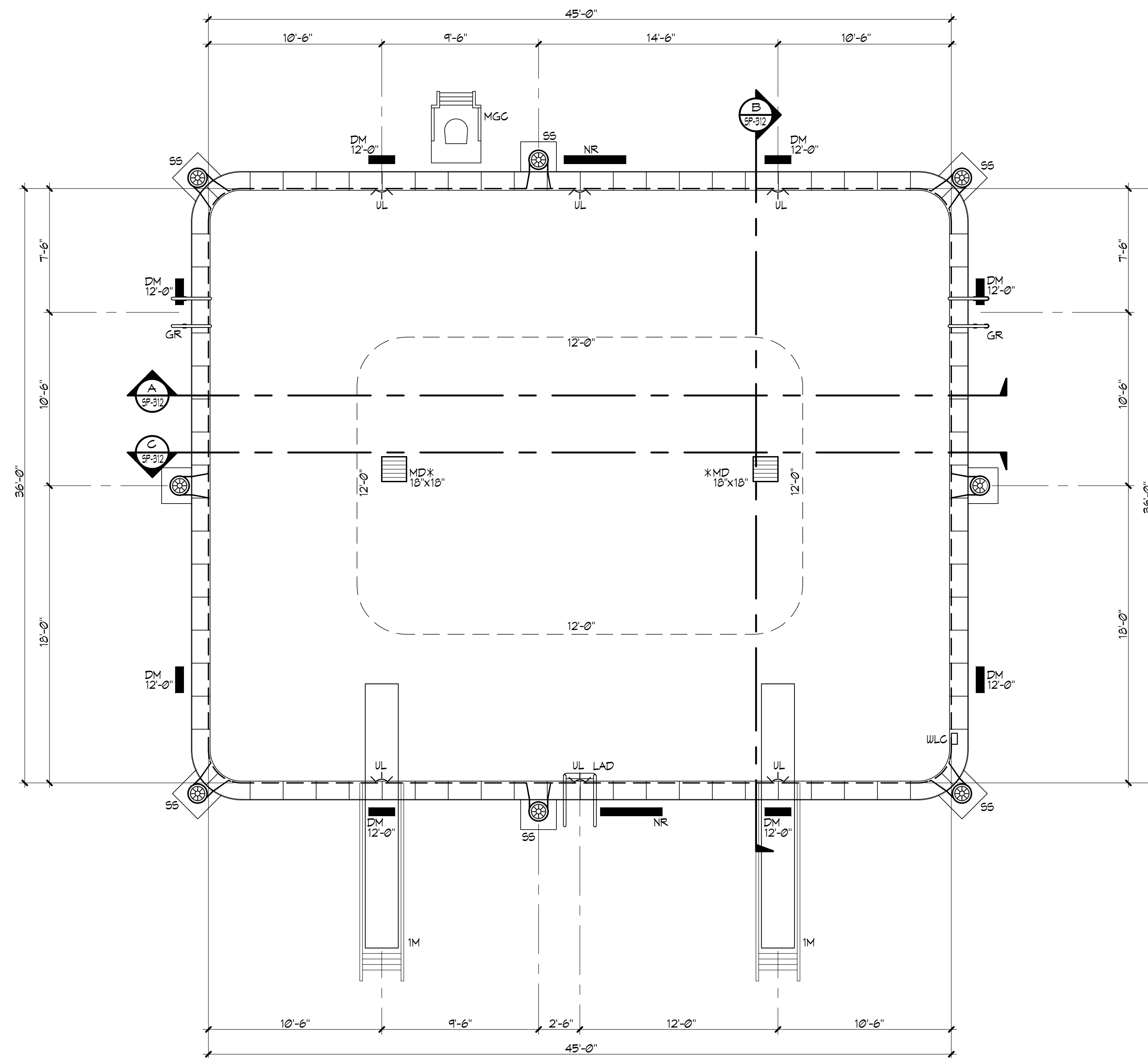
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DIVING POOL DATA

| | | |
|----------------|---|---------------|
| SURFACE AREA | = | 1,616 SQ. FT. |
| PERIMETER | = | 159 FT. |
| DEPTHS | = | 12'-0" |
| VOLUME | = | 145,052 GAL. |
| 6 HR. TURNOVER | = | 403 GPM |

LEGEND

| | | | |
|------|---|------------------------|--|
| * MD | = | MAIN DRAIN | |
| UL | = | UNDERWATER LIGHT | |
| DM | = | DEPTH MARKER | |
| NR | = | NO RUNNING | |
| MGC | = | MOVEABLE GUARD CHAIR | |
| GR | = | GRABRAIL | |
| SS | = | SURFACE SKIMMER | |
| LAD | = | LADDER | |
| WLC | = | WATER LEVEL CONTROLLER | |
| 1M | = | ONE METER DIVE STAND | |

CERTIFICATION REQUIREMENTS

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

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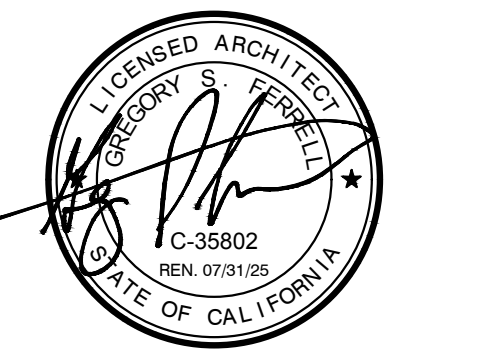
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Sacramento CA 95818
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SEAL



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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TITLE

**DIVING POOL
LAYOUT PLAN**

SHEET

SP-114

DIVING POOL LAYOUT PLAN

1/4" = 1'-0"

1

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

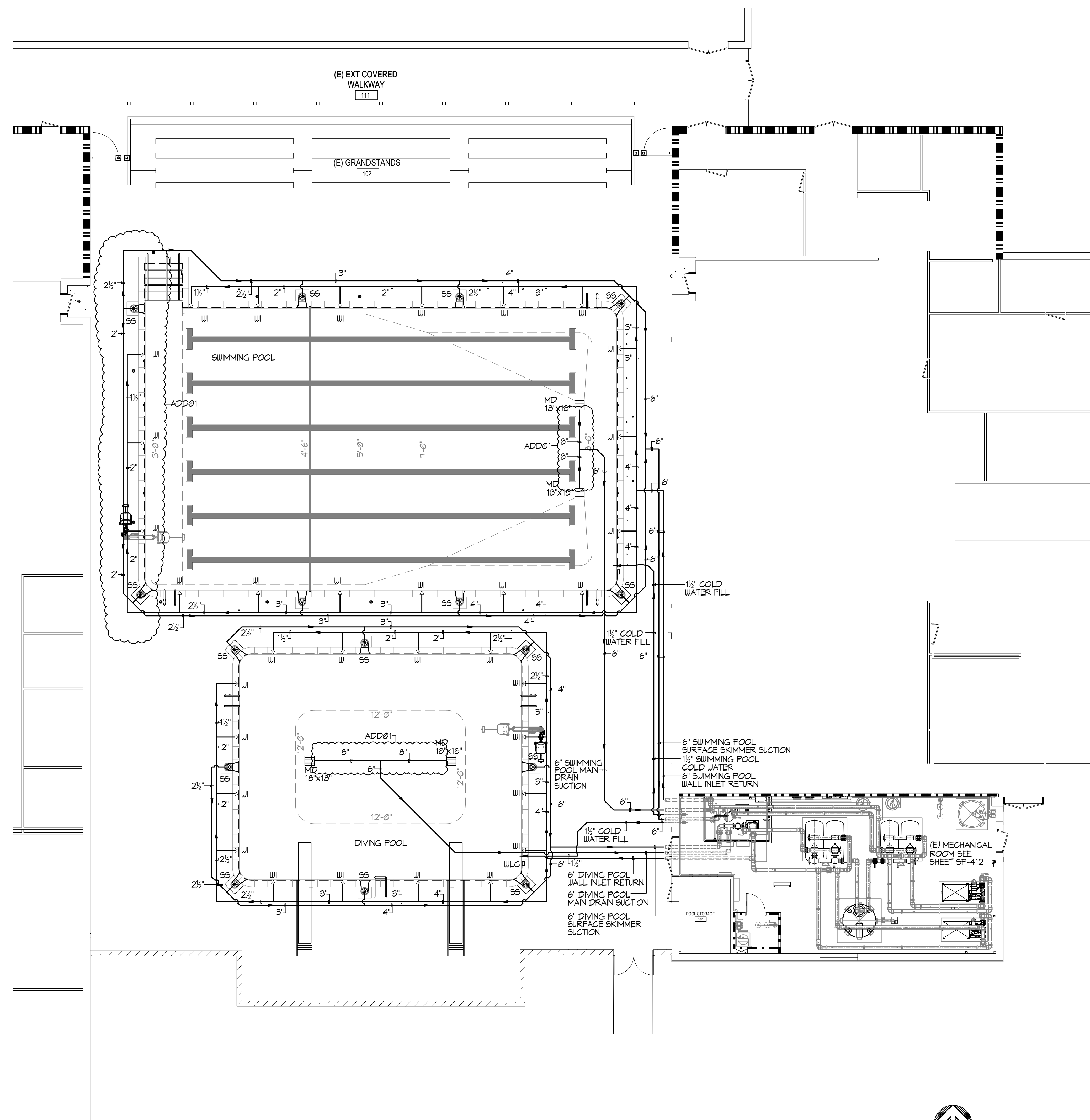
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SWIMMING POOL DATA

| | | |
|---------------|---|----------------|
| SURFACE AREA | = | 3,417 SQ. FT. |
| PERIMETER | = | 250 FT. |
| DEPTHS | = | 3'-0" TO 8'-0" |
| VOLUME | = | 146,715 GAL. |
| 6 HR TURNOVER | = | 407 GPM |

DIVING POOL DATA

| | | |
|---------------|---|---------------|
| SURFACE AREA | = | 1,616 SQ. FT. |
| PERIMETER | = | 159 FT. |
| DEPTHS | = | 12'-0" |
| VOLUME | = | 143,052 GAL. |
| 6 HR TURNOVER | = | 403 GPM |

LEGEND

| | | | |
|-----|---|------------------------|---|
| MD | = | MAIN DRAIN | 3 |
| SS | = | SURFACE SKIMMER | 1 |
| WLC | = | WATER LEVEL CONTROLLER | 2 |
| WI | = | WALL INLET | 7 |

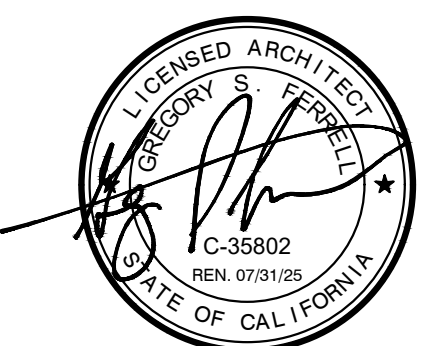
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SEAL



PROJECT
JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE

6715 GLORIA DR
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TITLE
SWIMMING POOL /
DIVING POOL PIPING
PLAN

SHEET
SP-115

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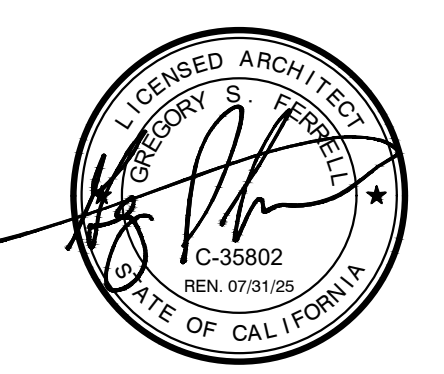
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CONSULTANT

AQUATIC

DESIGN GROUP
2226 Faraday Ave., Carlsbad, CA 92008
AquaticDesignGroup.com
760.438.8400

SEAL



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

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SACRAMENTO, CA 95831

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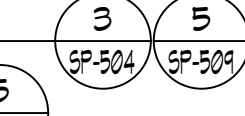
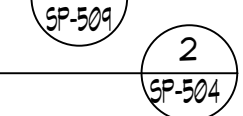
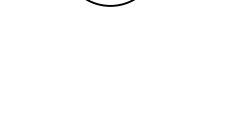
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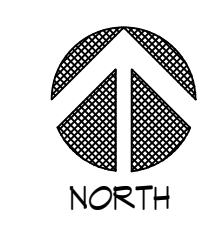
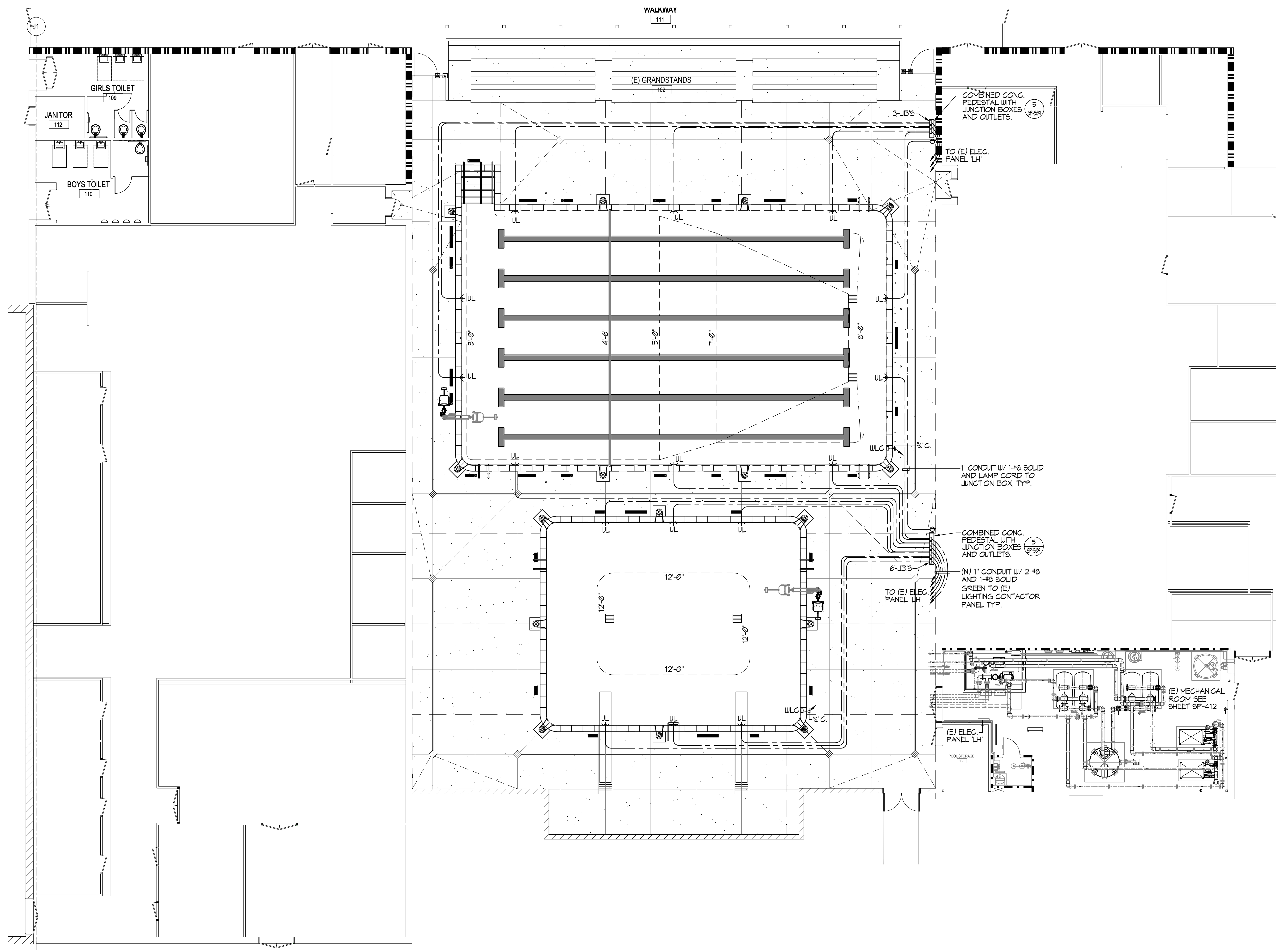
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TITLE
**SWIMMING POOL /
DIVING POOL
UNDERWATER LIGHT
PLAN**

SHEET
SP-116

LEGEND

- UL = UNDERWATER LIGHT 
- JB = JUNCTION BOX 
- WLC = WATER LEVEL CONTROLLER 
- (E) = EXISTING
- (N) = NEW



SWIMMING POOL UNDERWATER LIGHT PLAN

1/8"=1'-0"

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REVIEWED FOR:
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DATE: 05/09/2024

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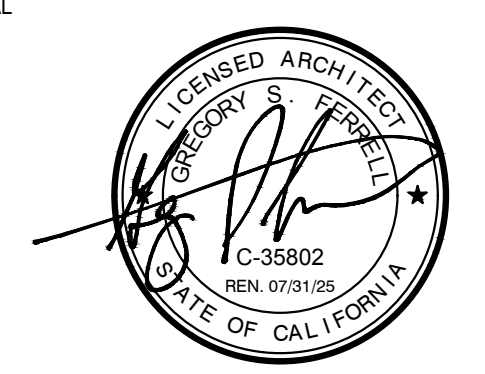
2025 Nineteenth Street
Sacramento CA 95818
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www.lionakis.com

CONSULTANT

AQUATIC

DESIGN GROUP
2226 Faraday Ave. Carlsbad, CA 92008
AquaticDesignGroup.com
760.438.8400

SEAL



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE**

6715 GLORIA DR
SACRAMENTO, CA 95831

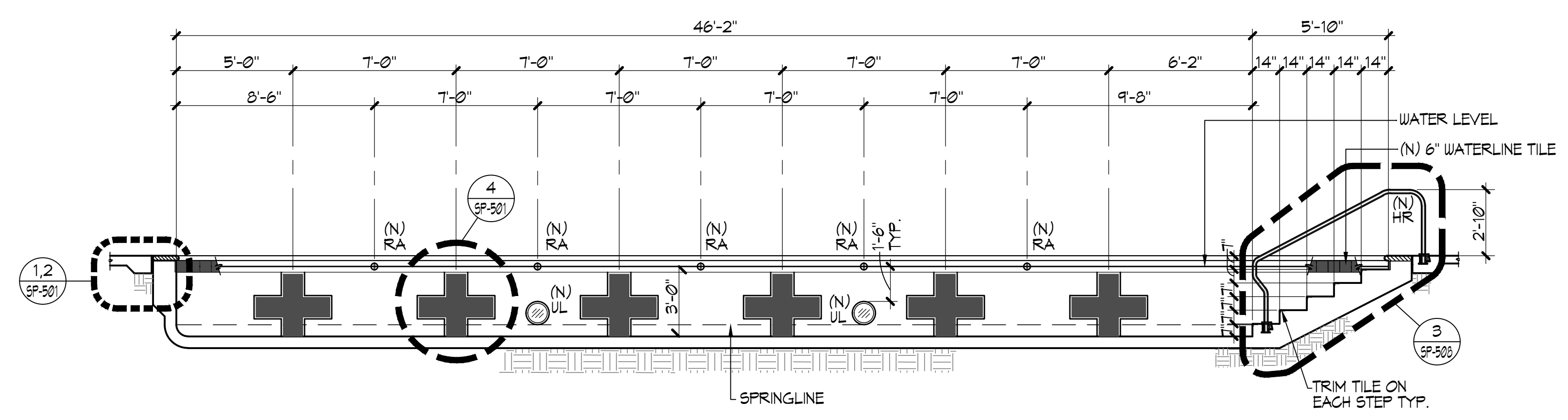
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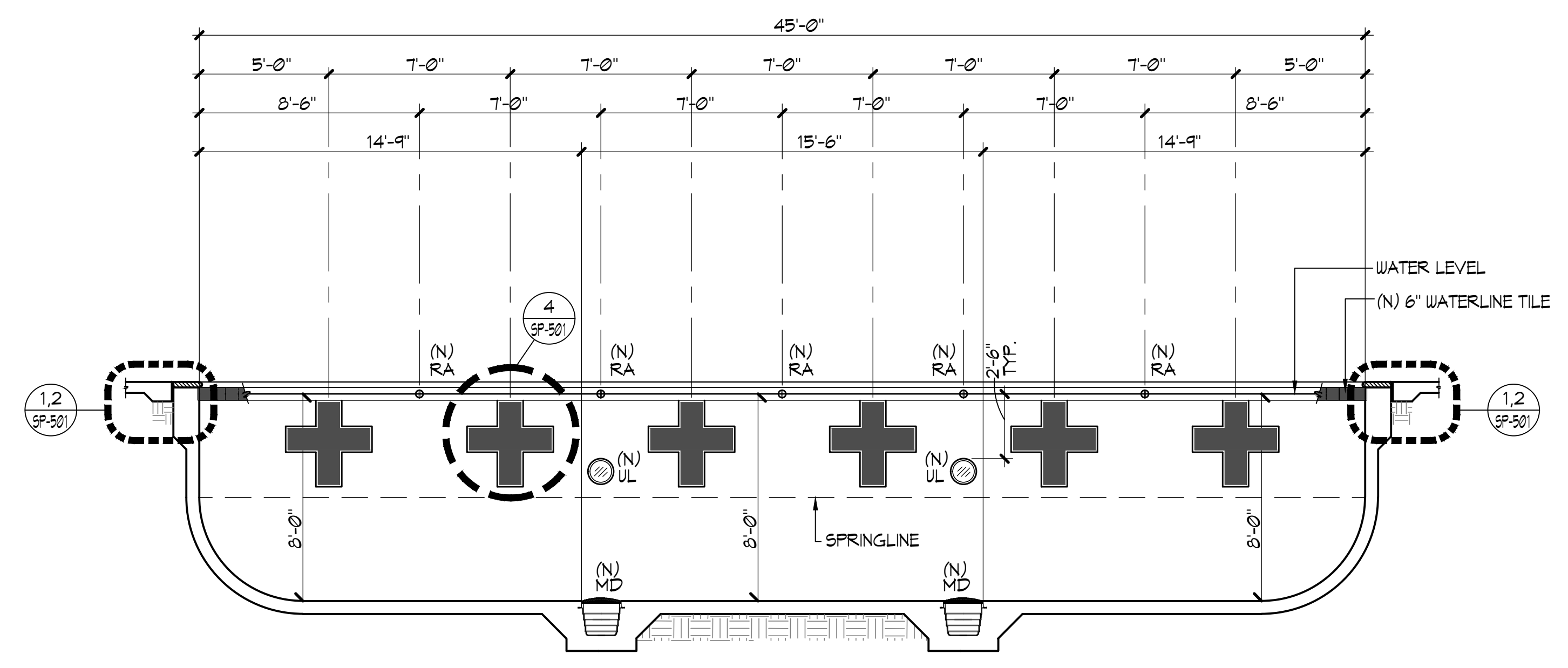
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TITLE
**SWIMMING POOL
SECTIONS**

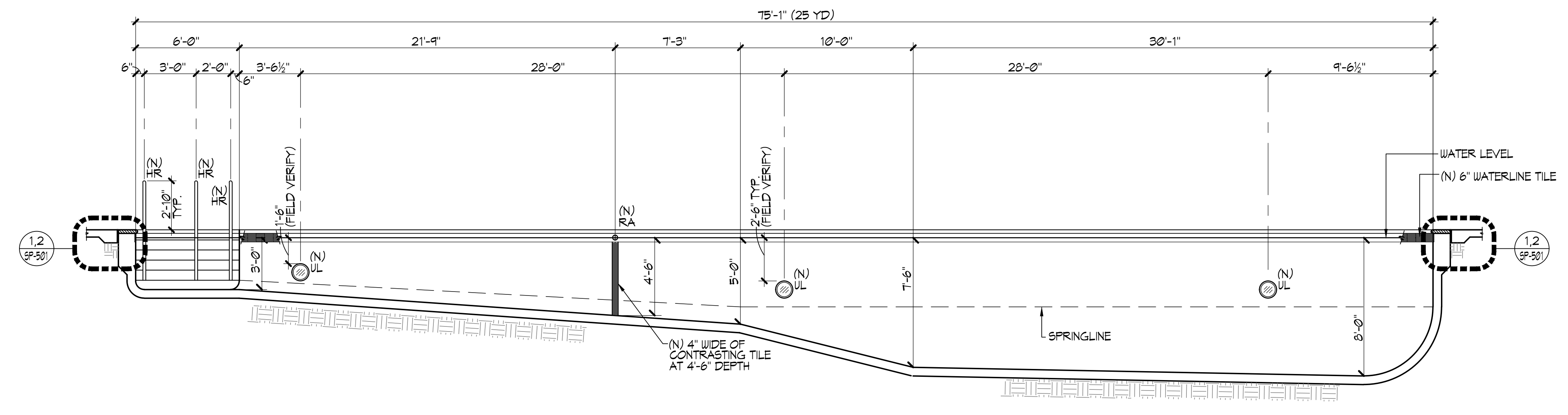
SHEET
SP-311



SWIMMING POOL SECTION 1/4" = 1'-0"



SWIMMING POOL SECTION 1/4" = 1'-0"



SWIMMING POOL SECTION 1/4" = 1'-0"

0.14" = 1'-0"

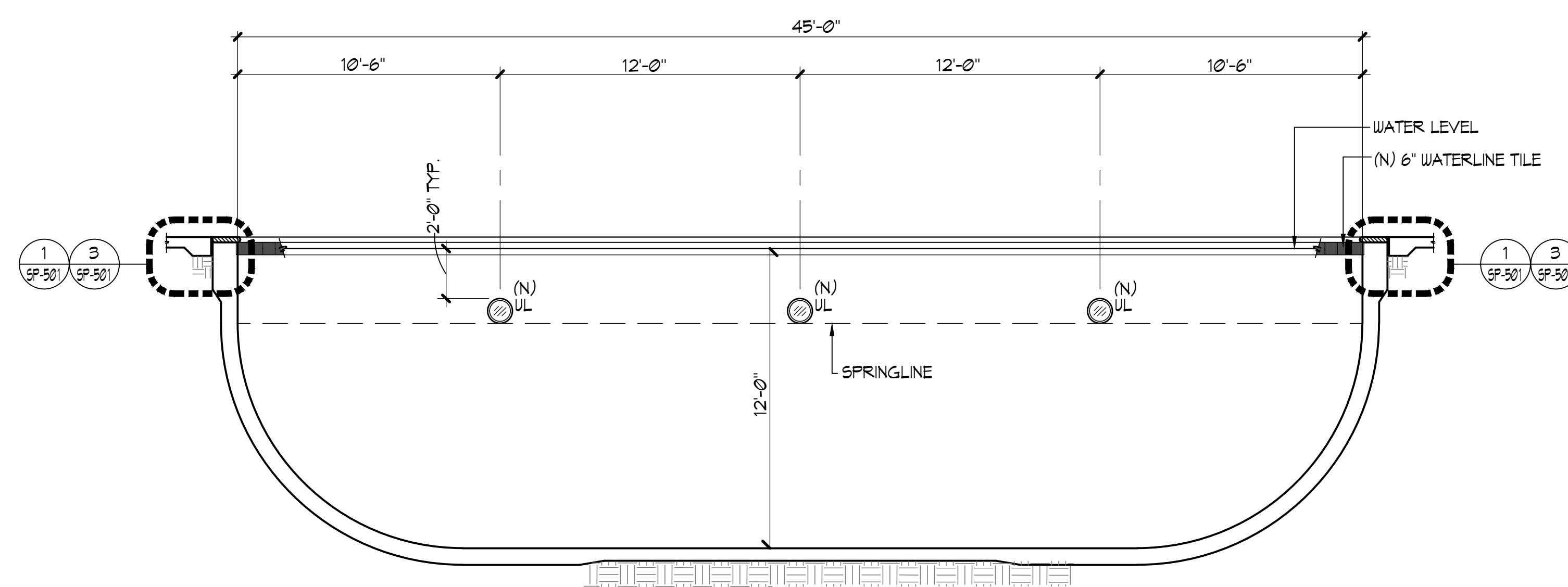
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C

B

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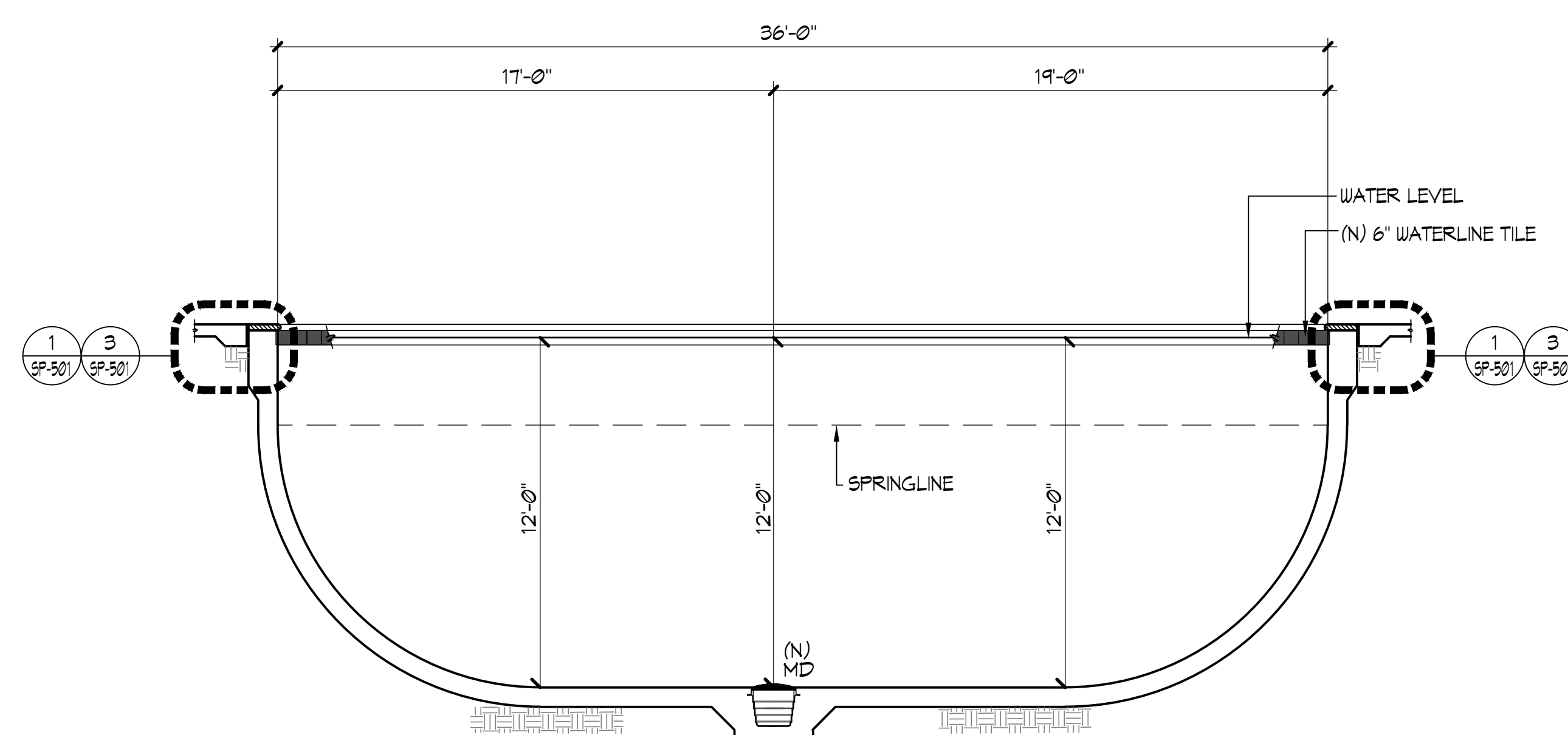
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A

DIVING POOL SECTION

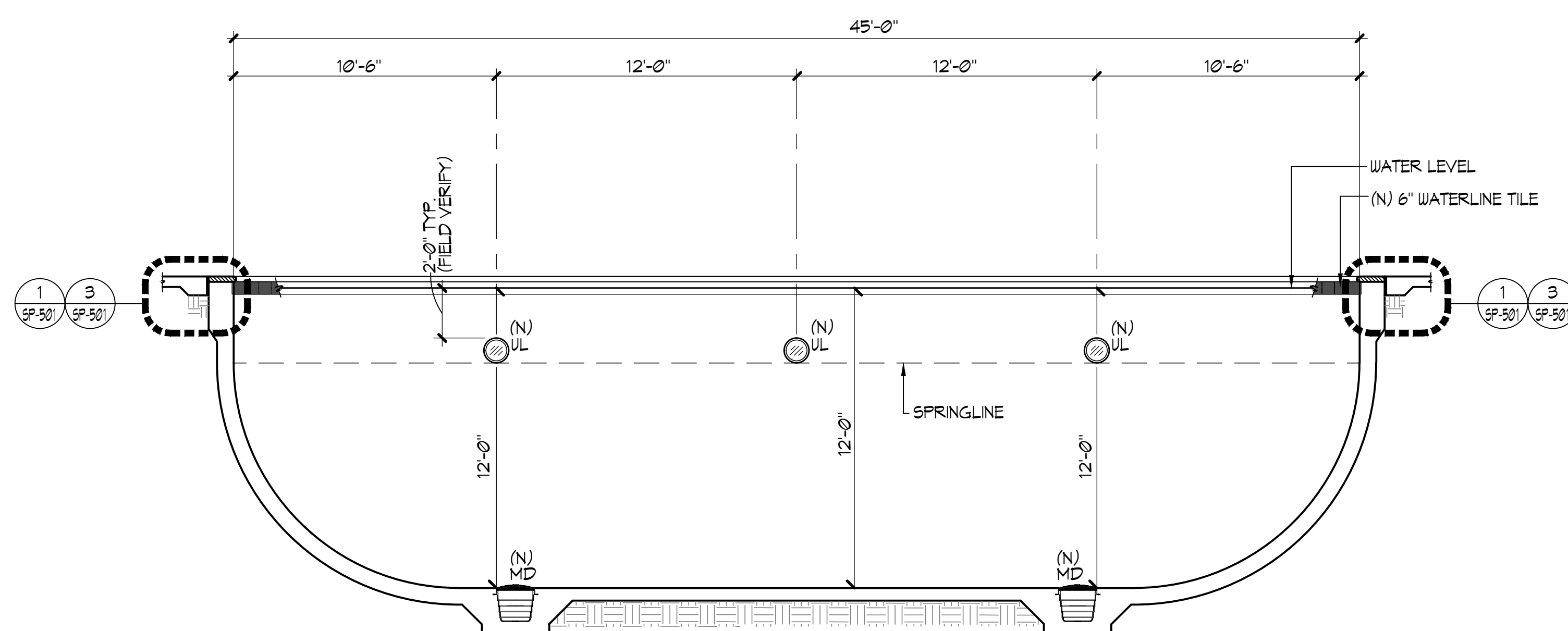
1/4" = 1'-0"



B

DIVING POOL SECTION

1/4" = 1'-0"



C

DIVING POOL SECTION

1/4" = 1'-0"

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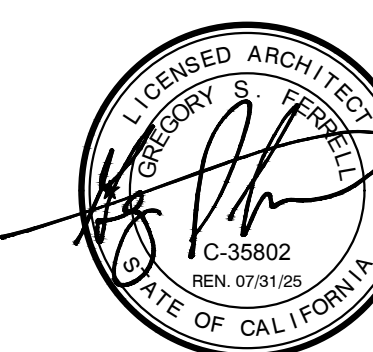
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CONSULTANT



SEAL



PROJECT
**JOHN F KENNEDY HIGH SCHOOL
 SWIMMING POOL UPGRADE**

6715 GLORIA DR
 SACRAMENTO, CA 95831

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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TITLE
**DIVING POOL
 SECTIONS**

SHEET
SP-312

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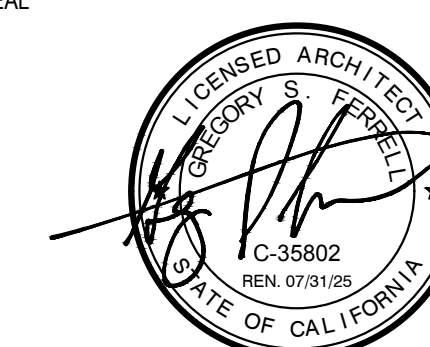
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PROJECT
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SWIMMING POOL UPGRADE**

6715 GLORIA DR
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TITLE
**MECHANICAL
ROOM DEMOLITION
PLAN**

SHEET

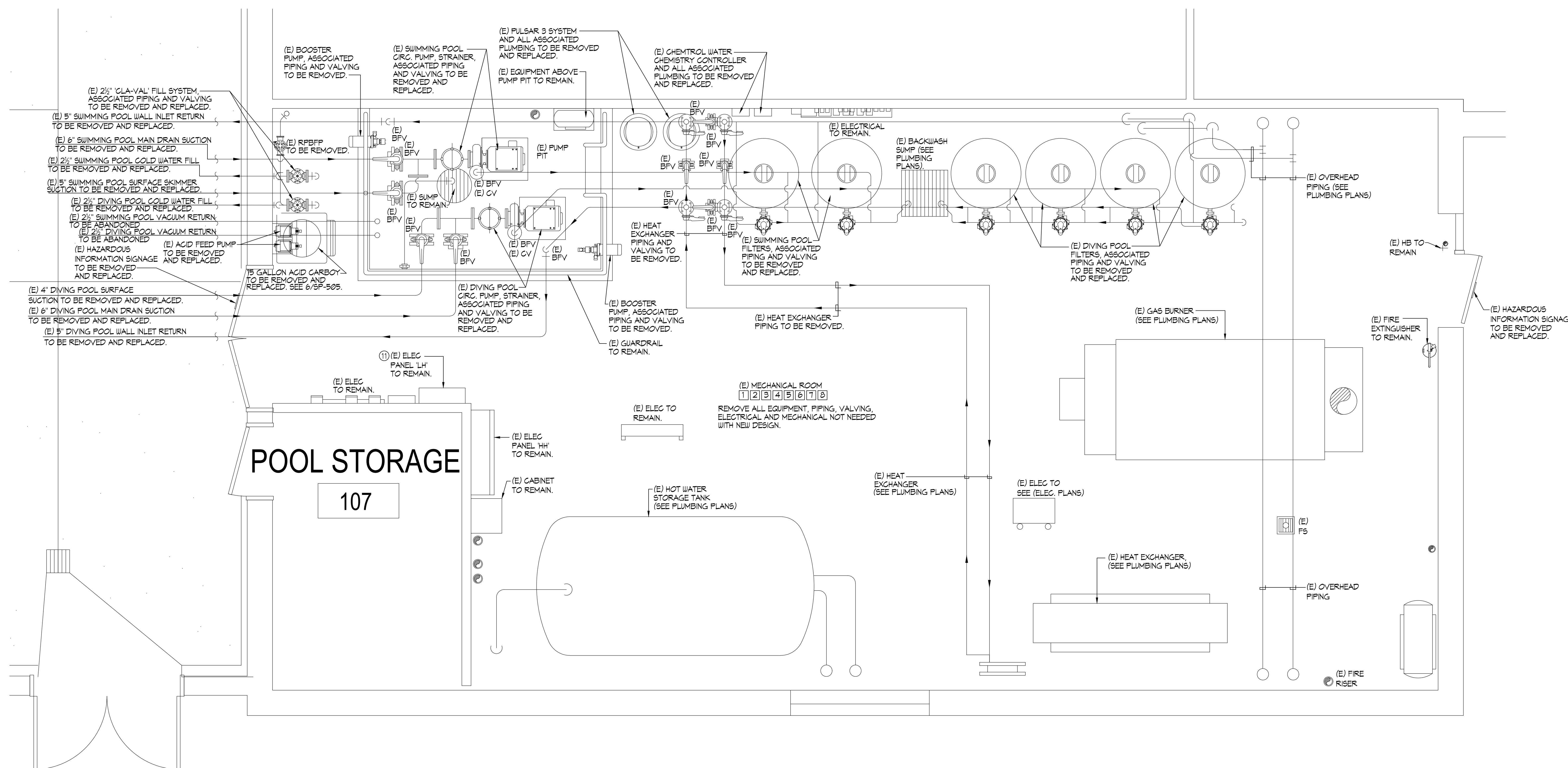
SP-411

DEMOLITION NOTES

- COORDINATE DEMOLITION WORK WITH THE OWNER, PROTECT ALL EXISTING WORK, BUILDINGS, PIPING, EQUIPMENT, UTILITIES, ETC. TO REMAIN.
- REPAIR OR REPLACE ANY DAMAGED ITEMS DUE TO DEMOLITION AND/OR CONSTRUCTION.
- COORDINATE INGRESS/EGRESS AND HAUL ROUTES WITH THE CONTRACTOR PRIOR TO START OF WORK.
- THIS PLAN VIEW IS SHOWN FOR INFORMATION AND ASSISTANCE. THE CONTRACTOR IS RESPONSIBLE FOR INDIVIDUAL DIMENSIONS, ELEVATIONS, TAKE-OFFS AND ESTIMATIONS WITH REGARD TO DEMOLITION PREPARATION, AS WELL AS MEANS AND METHODS OF CONSTRUCTION AND SHALL VISIT THE SITE AS REQUIRED TO ACCOMPLISH THE WORK, AND TO BECOME FAMILIAR WITH SCOPE AND SERVICES OF WORK REQUIRED.
- THE OWNER SHALL IDENTIFY, REMOVE, SALVAGE ANY ITEMS AS DESIRED PRIOR TO CONTRACTOR MOVE-IN.
- COORDINATE DEMOLITION AND POINTS OF CONNECTION WITH EXISTING UTILITIES, AND PIPING SYSTEMS IN THE FIELD TO ALLOW NEW WORK TO BE ACCOMPLISHED IN THE BEST FASHION.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND HAULING OFF OF ALL MECHANICAL EQUIPMENT, PIPING, VALVING, AND THE LIKE, AND LEGALLY DISPOSING OF ALL SUCH MATERIAL FROM THE SITE AS PART OF THE OVERALL BASE BID.
- LEAVE ADEQUATE PLUMBING LENGTH DURING DEMO FOR POC TO NEW PLUMBING.

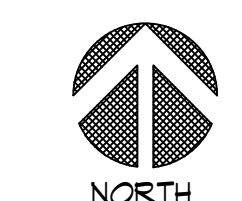
LEGEND

- (E) = EXISTING
- RFBFP = REDUCED PRESSURE BACKFLOW PREVENTOR
- BFV = BUTTERFLY VALVE
- BV = BALL VALVE
- CV = CHECK VALVE
- FS = FLOOR SINK



MECHANICAL ROOM DEMOLITION PLAN

1/4"=1'-0"



EQUIPMENT LIST

- 1 SWIMMING POOL / DIVING POOL STRAINER(S): #RSW116106531 FLUIDTROL® RSW SERIES REDUCING STRAINER(S) TWO (2) 6"x5" FRP MOLDED WITH CAST ACRYLIC COVER AND TWO (2) FRP MOLDED STRAINERS EA. (41 lbs.)
- 2 SWIMMING POOL / DIVING POOL CIRCULATION PUMP(S): PACO #4012-4, 4"x5"x12" TYPE LC END SUCTION CENTRIFUGAL PUMP, 110T RPM, 460V, 3PH, 15HP, RATED AT 415 GPM @ 60 FT. TDH, 76% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, PACO, AURORA OR APPROVED EQUAL. (425 lbs.) PROVIDE SPES SMART PUMP CONTROL SYSTEM VARIABLE SPEED DRIVE MODEL SP52015N4X4 15"x8"x10" DRIVE AND 24"x24"x10" PANEL, TWO (2) TOTAL, COORDINATE MOUNTING LOCATION TO MAINTAIN DESIRED CLEARANCES, 460V 3PH, (102 lbs. COMBINED WEIGHT).
- 3 SWIMMING POOL / DIVING POOL FILTERS: EKO® SYSTEMS GEN 2 #EKO-34159-0606-T-2 AUTOMATIC FILTER CONTROL (AFC) FULLY AUTOMATIC HI-RATE PERMANENT MEDIA FILTER WITH 30.6 SQ. FT. OF FILTER AREA RATED AT 484 GPM AT 15 GPM/SQ. FT. COMPLETE WITH 6" FACE PIPING, 6" BACKWASH, SEISMIC ANCHORAGE, PROVIDE ALL UTILITIES, PIPING, VALVING ETC. (3,875 lbs EACH TANK) EKO® SYSTEMS GEN 2 OR EQUAL, PROVIDE TWO (2) SIGNET PS1530-PX FLOSENSOR WITH DIGITAL READ-OUT, TWO (2) SYSTEMS TOTAL.
- 4 SWIMMING POOL HEATER: INDIRECT FIRED POOL HEATING PACKAGE SYSTEM; RAYPAK® CONTROL CONDENSING MODULATING BOILER, TITANIUM HEAT EXCHANGER WITH CPVC CONNECTIONS, FACTORY ASSEMBLED SKID MOUNTED PACKAGE, CALIFORNIA CODE CONTROLS, 1½" NATURAL GAS CONNECTION, 6" INFLUENT AND EFFLUENT WATER CONNECTIONS AND 6" DIAMETER VENT SIZE, 1,500,000 BTU PER HOUR INPUT, PROVIDE ¾" COLD WATER CONNECTION RAYPAK #1505A, X-THERM, WEIGHT = 1,448 lbs. ONE (1) TOTAL.
- 5 DIVING POOL HEATER: INDIRECT FIRED POOL HEATING PACKAGE SYSTEM; RAYPAK® CONTROL CONDENSING MODULATING BOILER, TITANIUM HEAT EXCHANGER WITH CPVC CONNECTIONS, FACTORY ASSEMBLED SKID MOUNTED PACKAGE, CALIFORNIA CODE CONTROLS, 1½" NATURAL GAS CONNECTION, 6" INFLUENT AND EFFLUENT WATER CONNECTIONS AND 6" DIAMETER VENT SIZE, 999,000 BTU PER HOUR INPUT, PROVIDE ¾" COLD WATER CONNECTION RAYPAK #1005A, X-THERM, WEIGHT = 1,343 lbs. ONE (1) TOTAL.
- 6 CHLORINE STORAGE/FEED SYSTEM: CHEM-TAINER® 350 GALLON #TC5256DC, DUAL STORAGE/CONTAINMENT TANK WITH LID SEISMICALLY RESTRAINED; (2,415 lbs.) COMPLIES WITH FED. REG. #40CFR-264-163, FEED PUMP(S); STENNER #45M5, 50 GPD @ 25 PSI, TWO (2) TOTAL.
- 7 ACID STORAGE/FEED SYSTEM: 15 GALLON ACID CARBOY, FEED PUMP(S); STENNER #45M5, 50 GPD @ 25 PSI, TWO (2) TOTAL, PROVIDE FIG BLADDER POLY SPILL CONTAINMENT DECK, HOLDS ONE (1) 55 GAL. POLY OR STEEL DRUM, 26"x30.38"x5.75", SUMP CAPACITY 66 GAL.
- 8 CARBON DIOXIDE STORAGE FEED SYSTEM: PROVIDE TWO (2) NOVO-T50, T50 LB. CRYOGENIC LIQUID CO2 STORAGE TANK WITH TWO (2) REMOTE FILL PORTS, 594 LIQUID LBS., (5.195 CUBIC FEET OF GASEOUS CO2 AT NTP) TWO (2) TOTAL, PROVIDE TEK SINGLE TANK SYSTEM #09-040 & CO2 SOLENOID UNIT #09-019, INCLUDE SINGLE TANK REGULATOR WITH PRESSURE GAUGE, CO2 FEED UNIT WITH FLOW METER, CO2 DIFFUSER WITH CHECK VALVE, CO2 TUBING AND FITTINGS. 0 TO 160 SCFH FEED CAPACITY, TWO (2) SYSTEMS TOTAL (5 lbs. EA.) PROVIDE HARD WIRED ANALOX® RAPI KIT CO2 DETECTOR WITH AUDIBLE AND VISUAL ALARMS IN EXISTING MECHANICAL ROOM, UL 1971 STANDARD LISTED, ONE (1) TOTAL.
- 9 EYEWASH/SHOWER: HAUS MODEL #8300-3300RCP BARRIER FREE COMBINATION SHOWER AND EYEWASH WASH WITH CORROSION RESISTANT PROTECTION, SEE MEP SHEETS FOR SUPPLY PIPING, TWO (2) TOTAL.
- 10 SWIMMING POOL / DIVING POOL FILL SYSTEM(S): NICHE MOUNTED PEM MODEL L104-46 WALL MOUNTED SENSOR UNIT WITH PEM L104-102A, 115V UL LISTED CONTROL PANEL, SOLENOID VALVES, ETC. TWO (2) TOTAL, SWIMMING POOL AND DIVING POOL = 1½" FILL.
- 11 EXISTING ELECTRICAL PANELS, PANEL SCHEDULES TO BE REVISED AS NECESSARY.
- 12 EXISTING ELECTRICAL EQUIPMENT AND DISCONNECTS
- 13 SWIMMING POOL / DIVING POOL WATER CHEMISTRY CONTROLLER(S): PROVIDE ETHERNET CONNECTION TO BECSYS® CS-BECSYS1-BP-E WATER CHEMISTRY CONTROLLER, TWO (2) TOTAL, PROVIDE COMPLETE SYSTEM CONTROL PACKAGE, BECSYS SYSTEM T, IMPACT, WALLAGE & TIERNAN OR APPROVED EQUAL.
- 14 CHEM-TAINER® #TC64151C 64" DIA. X 115" TALL POLYETHYLENE 1,475 GALLON BACKWASH STORAGE TANK ON (N) 6" CONCRETE PAD.

THREE PHASE MOTOR LOADS AT 460V

SWIMMING POOL / DIVING POOL CIRCULATION PUMP(S): 15 HP @ 460V = 21 AMPS

VACUUM AND PRESSURE GAUGES ARE REQUIRED FOR EACH PUMP.

GENERAL NOTES

1. THE PIPING SYSTEM SHALL HAVE DIRECTION OF FLOW ARROWS INDICATED ON THE PIPES.
2. PUBLIC POOLS SHALL HAVE A FLOW DIAGRAM OF THE POOL'S PIPING SYSTEM WITH OPERATION INSTRUCTIONS.
3. THE FLOW DIAGRAM AND INSTRUCTIONS SHALL BE AVAILABLE ON THE PREMISES AT ALL TIME.
4. ALL CHEMICAL FEED SYSTEMS ARE INTERLOCKED WITH THEIR ASSOCIATED CIRCULATION PUMPS AND SHALL NOT OPERATE WHEN THE PUMP IS OFF OR DURING THE FILTER BACKWASH.

LEGEND

- BV = BALL VALVE C021 = CO2 INJECTION
 BFFV = BUTTERFLY VALVE (E) = EXISTING
 CV = CHECK VALVE (N) = NEW
 FM = FLOWMETER
 BUW = BACKWASH
 AI = ACID INJECTION
 C1 = CHLORINE INJECTION
 VG = VACUUM GAUGE
 PS = PIPE SUPPORT (SEE STRUCTURAL PLANS)
 RPBFP = REDUCED PRESSURE BACKFLOW PREVENTOR

EPOXY REBAR PULL TESTING LOADS

| BAR SIZE | DEPTH | PRODUCT | TEST VALUE |
|----------|----------|------------------------------------|------------|
| #4 | 3" EMBED | HILTI HIT-HY 200 V3 (ICC ESR-4366) | 1,050 LBS |

- INSTALLATION PARAMETERS:
- MINIMUM CONCRETE AGE: 21 DAYS
 - DRILLING: HAMMER DRILLED
 - TEMPERATURE: 14-114°F
 - MOISTURE CONDITION: DRY OR SATURATED
 - CLEANING: AUTOMATIC OR COMPRESSED-AIR

WEDGE OR EXPANSION ANCHOR EMBEDMENT DEPTH AND TEST LOAD

| SIZE | HILTI KB TZ 2 (55) ANCHORS IN CONCRETE (ESR-4266) | | KB TZ 2 (55) ANCHORS IN CMU (ESR-4561) | |
|----------|---|----------------------|--|----------------------|
| | MIN. EMBED (heff) | TORQUE LOAD (FT-LBS) | MIN. EMBED (heff) | TORQUE LOAD (FT-LBS) |
| ½" DIA. | 1½" | 6 | 1½" | 6 |
| ¾" DIA. | 2½" | 30 | 2½" | 15 |
| 1" DIA. | 3½" | 40 | 3½" | 25 |
| 1½" DIA. | 4" | 60 | 4" | 35 |
| 2" DIA. | 4¾" | 125 | 4¾" | 50 |

MEP COMPONENT ANCHORAGE

- ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA - APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.13 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
 2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER, PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

MECHANICAL ANCHORAGE

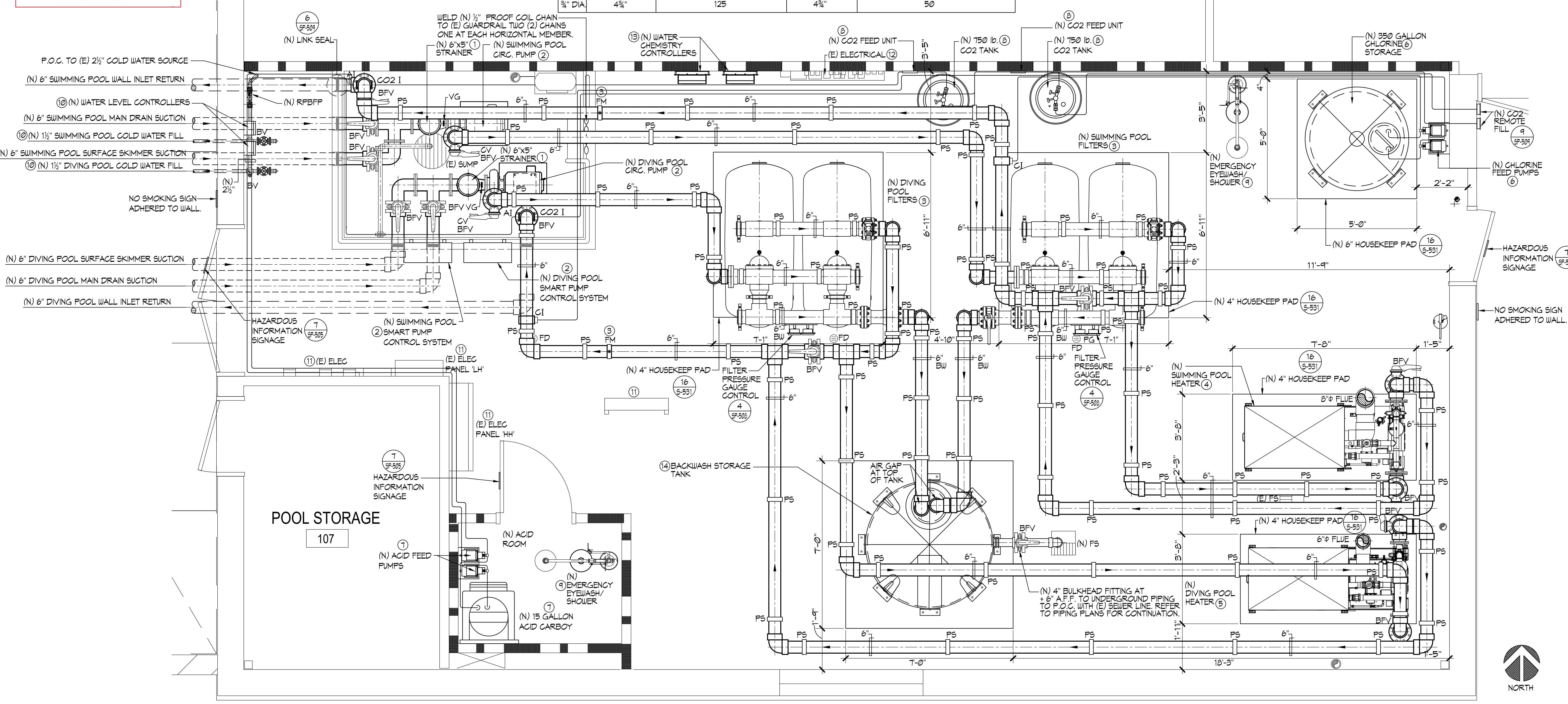
1. EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB TZ 2 (ICC ESR-4266) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
2. EXPANSION OR WEDGE ANCHORS INTO MASONRY: HILTI KB TZ 2 (ICC ESR-4561) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
3. FASTENERS SHALL BE STAINLESS STEEL FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER, PROVIDE GALVANIZED CARBON STEEL ANCHORS AT OTHER LOCATIONS, UNLESS OTHERWISE NOTED.
4. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOUCEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT WITH CONCRETE STRENGTH EQUAL TO OR GREATER THAN BASE MATERIAL. IF THE ANCHOR OR DOUCEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE STRUCTURAL ENGINEER WILL DETERMINE A NEW LOCATION.
5. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.
6. ANCHORS SHALL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY.
7. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
8. APPLY TEST LOAD BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION OF THE ANCHOR SUCH AS DIRECT PULL WITH A HYDRAULIC JACK, TORQUE WRENCH, OR CALIBRATED SPRING DEVICES, ETC.
9. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY A BASE PLATE OR OTHER FIXTURE. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE THE FIXTURE PRIOR TO TESTING.
10. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM EMBEDMENT OF ANCHORS AS SHOWN IN TABLES BELOW.
11. TEST 50% OF ANCHORS PER ONE OF THE FOLLOWING METHODS AND IN ACCORDANCE WITH THE VALUES SHOWN IN THE TABLE.
 - A. HYDRAULIC RAM METHOD: APPLY PROOF TEST LOAD WITHOUT REMOVING THE NUT. IF IT IS NOT POSSIBLE TO TEST WITH THE NUT INSTALLED, REPLACE THE NUT WITH A THREADED COUPLER TO THE LOAD. ANCHOR IS ACCEPTABLE IF NO MOVEMENT IS OBSERVED AT THE TEST LOAD. MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.
 - B. TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICATED IN THE TABLE WITH ONE-HALF TURN OF THE NUT.
12. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE TESTS PASS, THEN RESUME INITIAL TESTING FREQUENCY. CDD WILL BE REQUIRED.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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

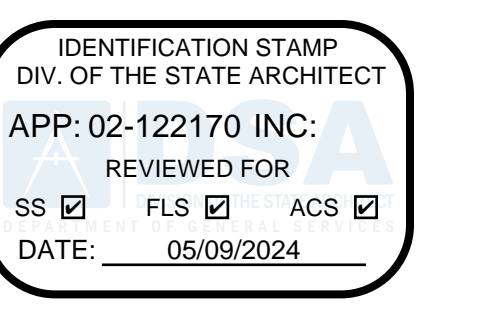
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E),
 MP □ MD □ PP □ E □ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. SEE S-551.



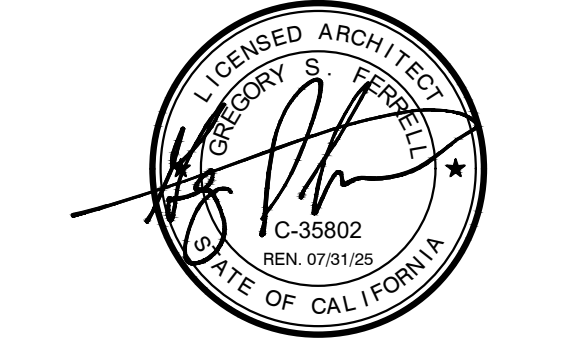
MECHANICAL ROOM LAYOUT PLAN

1/4"=1'-0"



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PROJECT
**JOHN F KENNEDY HIGH SCHOOL
 SWIMMING POOL UPGRADE**

6715 GLORIA DR
 SACRAMENTO, CA 95831

CLIENT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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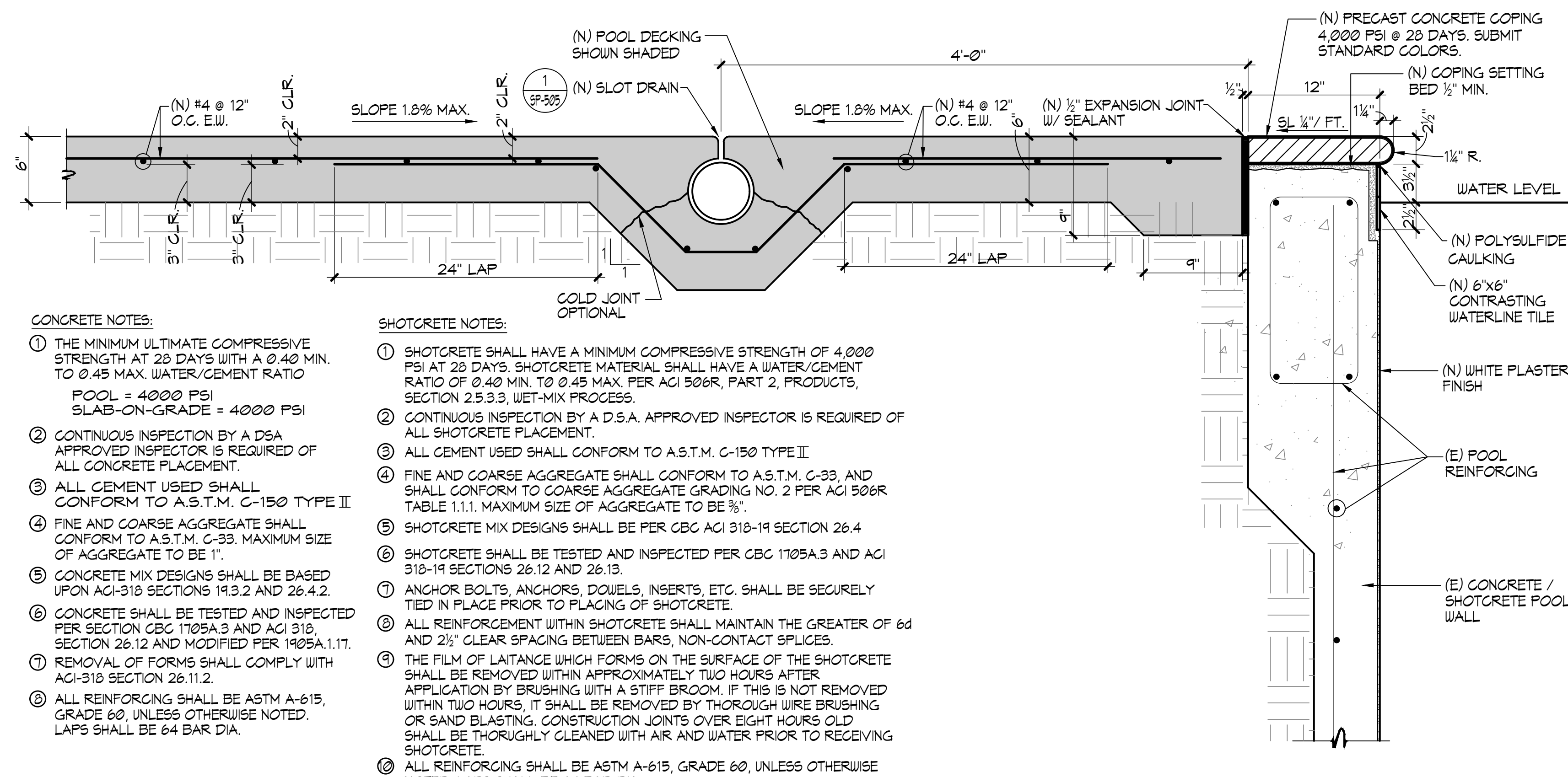
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TITLE
**MECHANICAL
 ROOM
 LAYOUT PLAN**

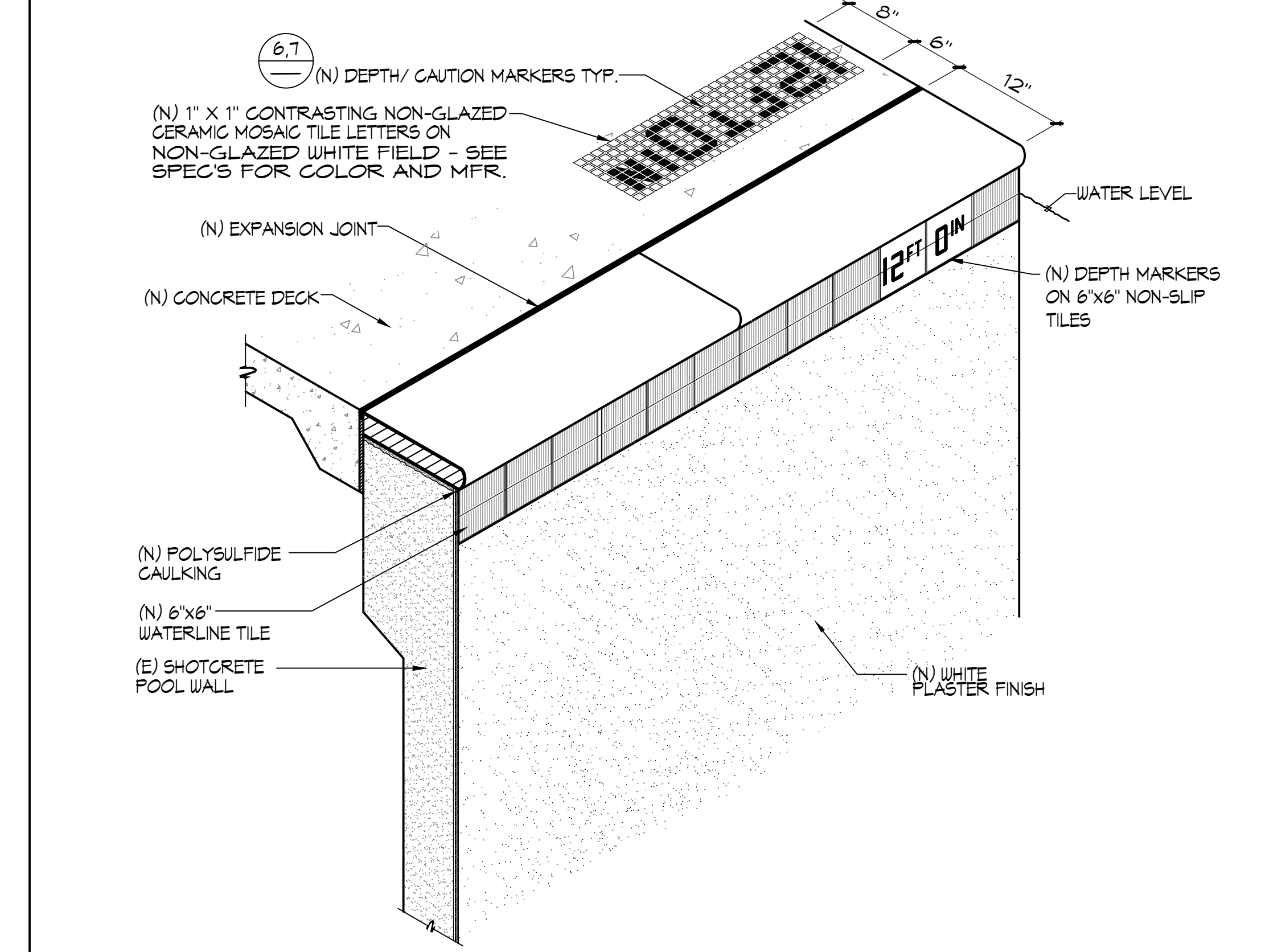
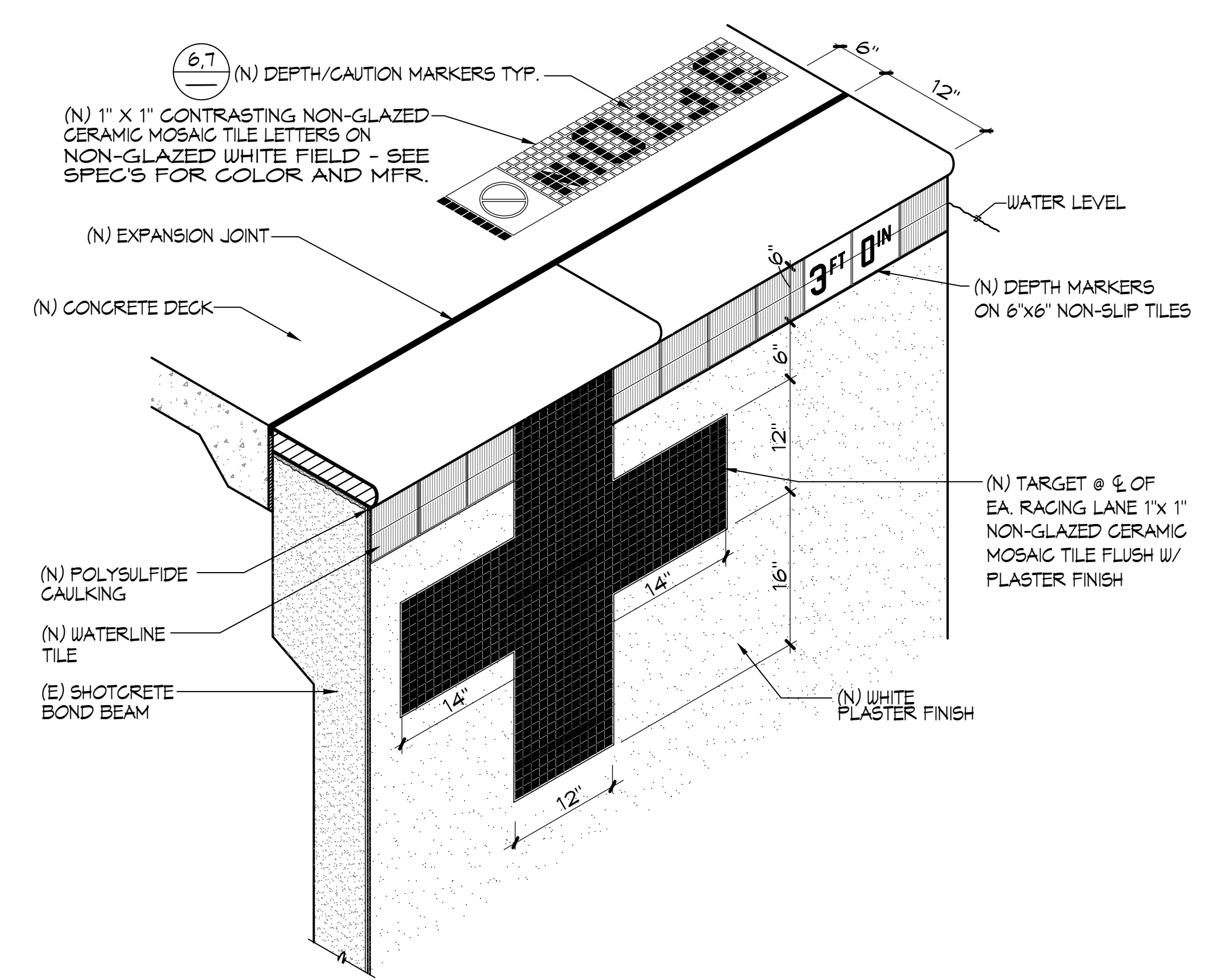
SHEET
SP-412

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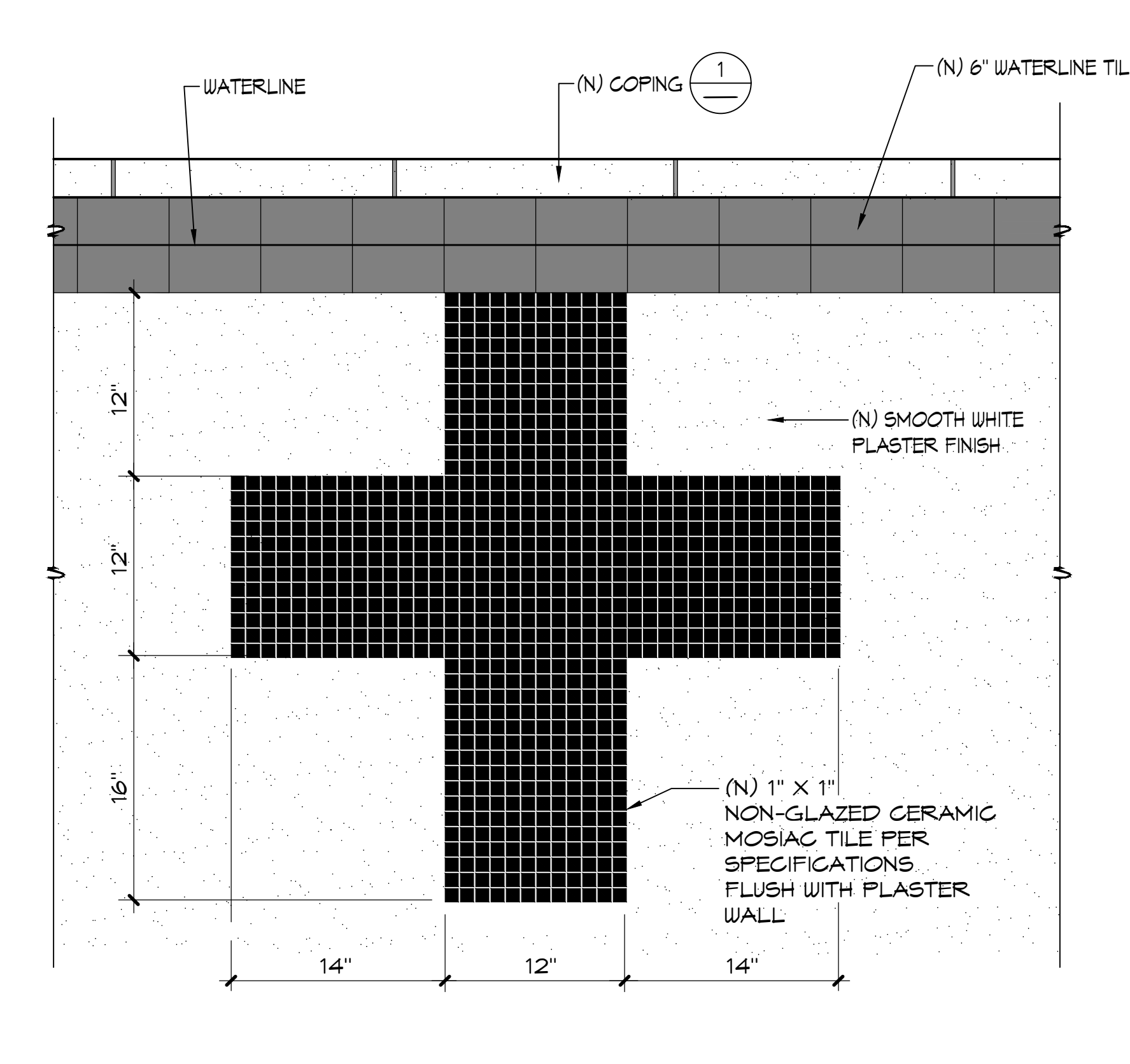
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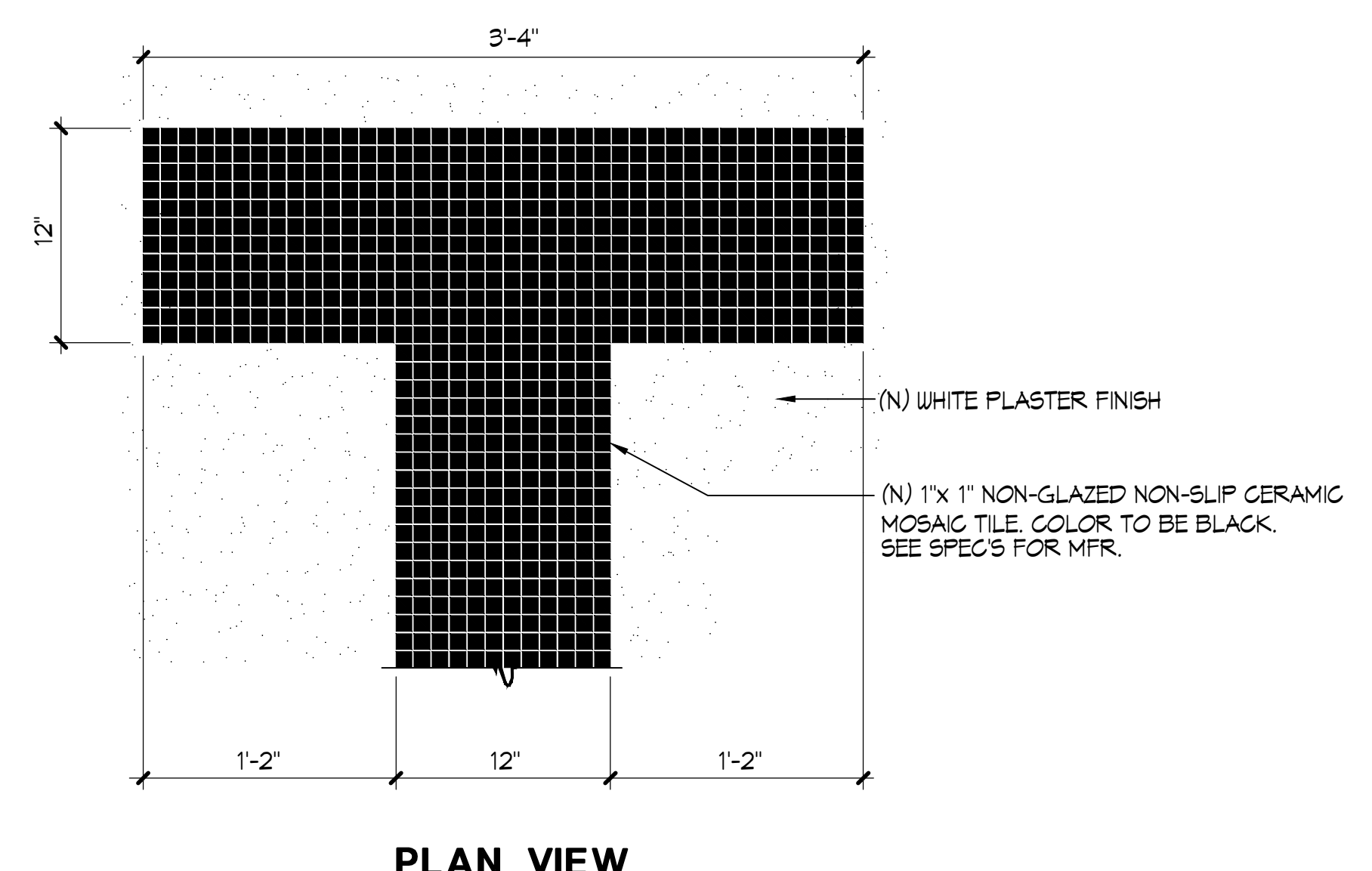
1 TYPICAL SWIMMING POOL DECK DETAIL 1/2" = 1'-0"



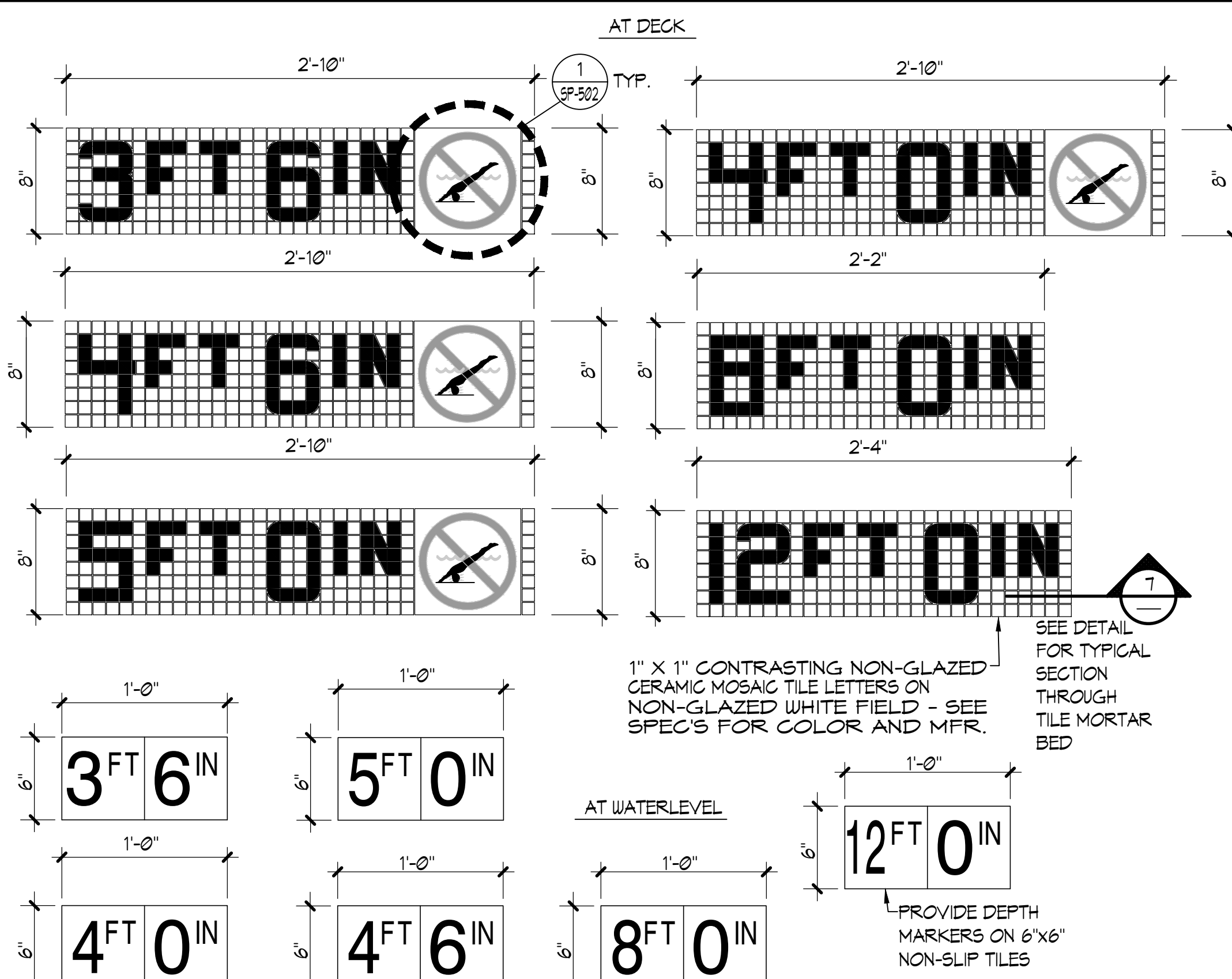
3 TYPICAL DIVING POOL COPING PERSPECTIVE 1/2" = 1'-0"



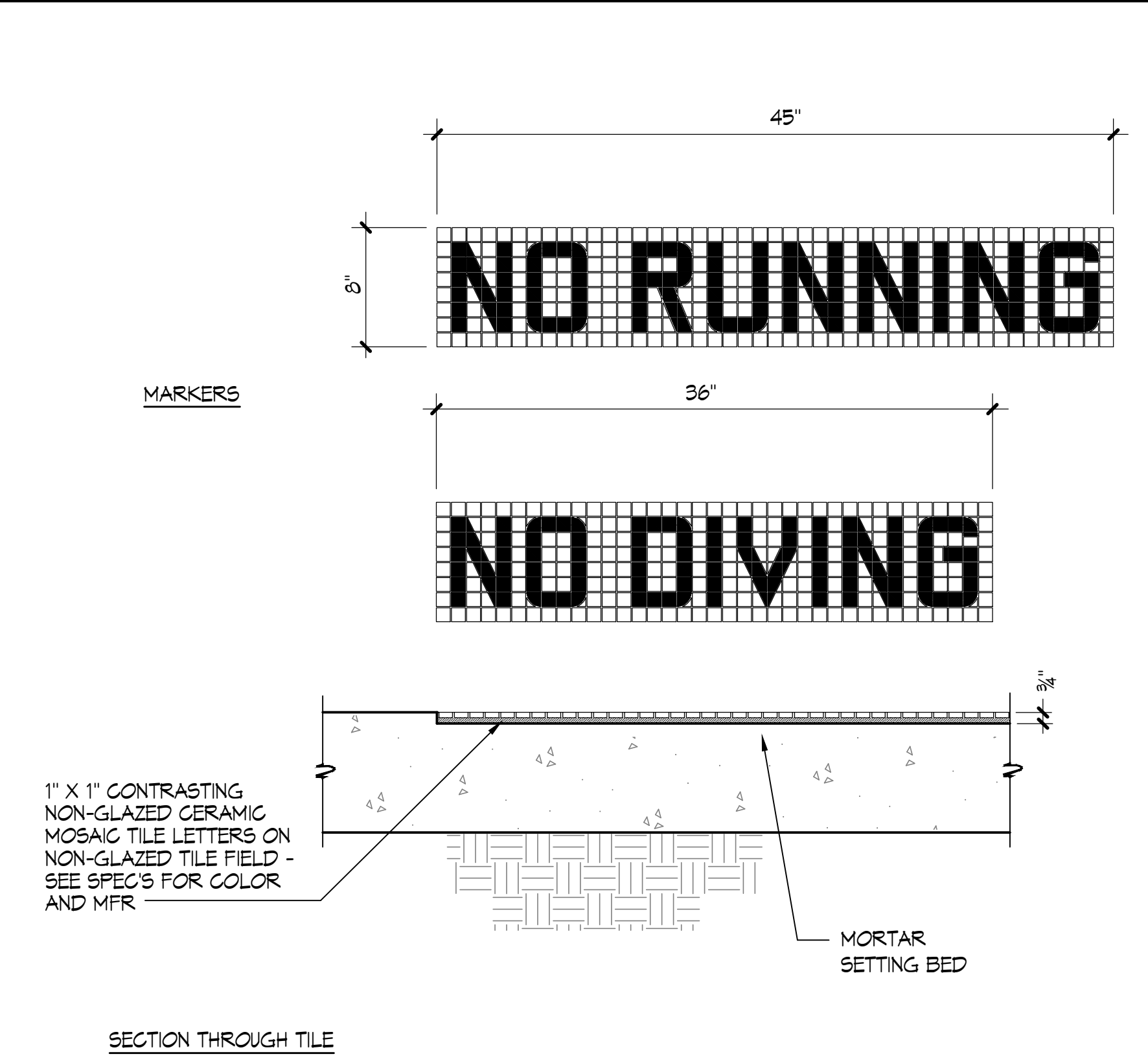
4 END WALL TARGET 1/2" = 1'-0"



5 RACING LANE LINE 1/2" = 1'-0"



6 DEPTH MARKERS 1/2" = 1'-0"



7 "NO RUNNING" / "NO DIVING" MARKERS 1/2" = 1'-0"

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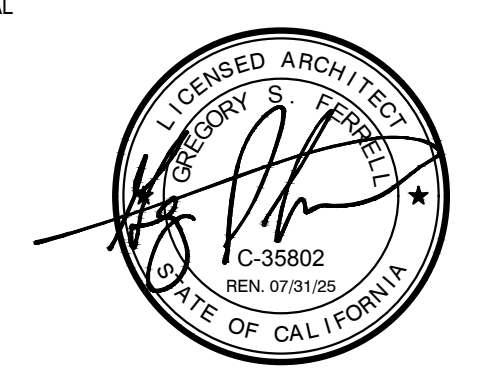
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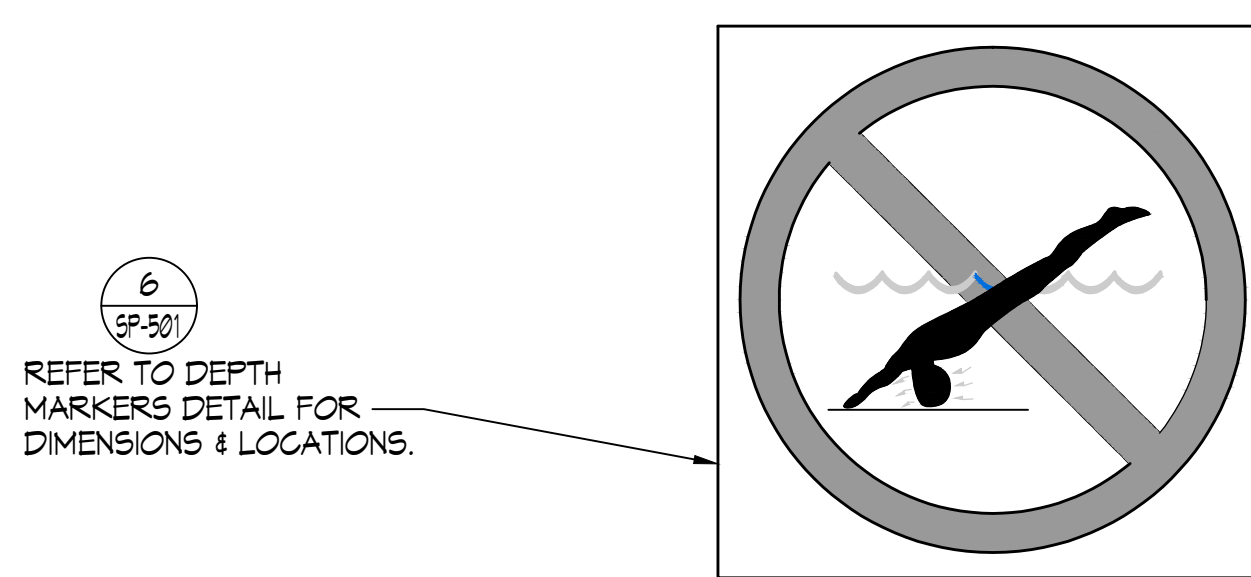
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TITLE
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SHEET
SP-501

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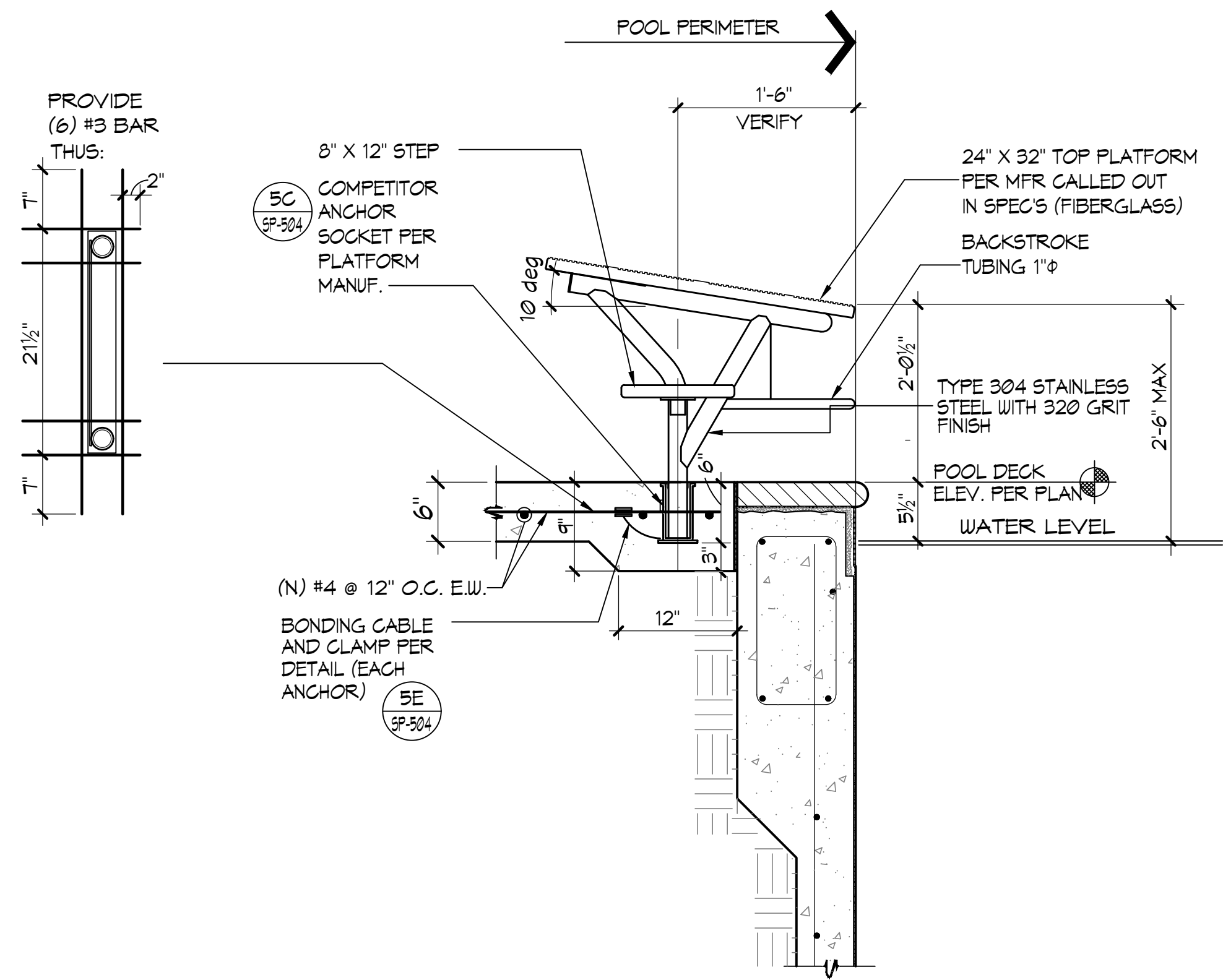
REFER TO DEPTH MARKERS DETAIL FOR DIMENSIONS & LOCATIONS.

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

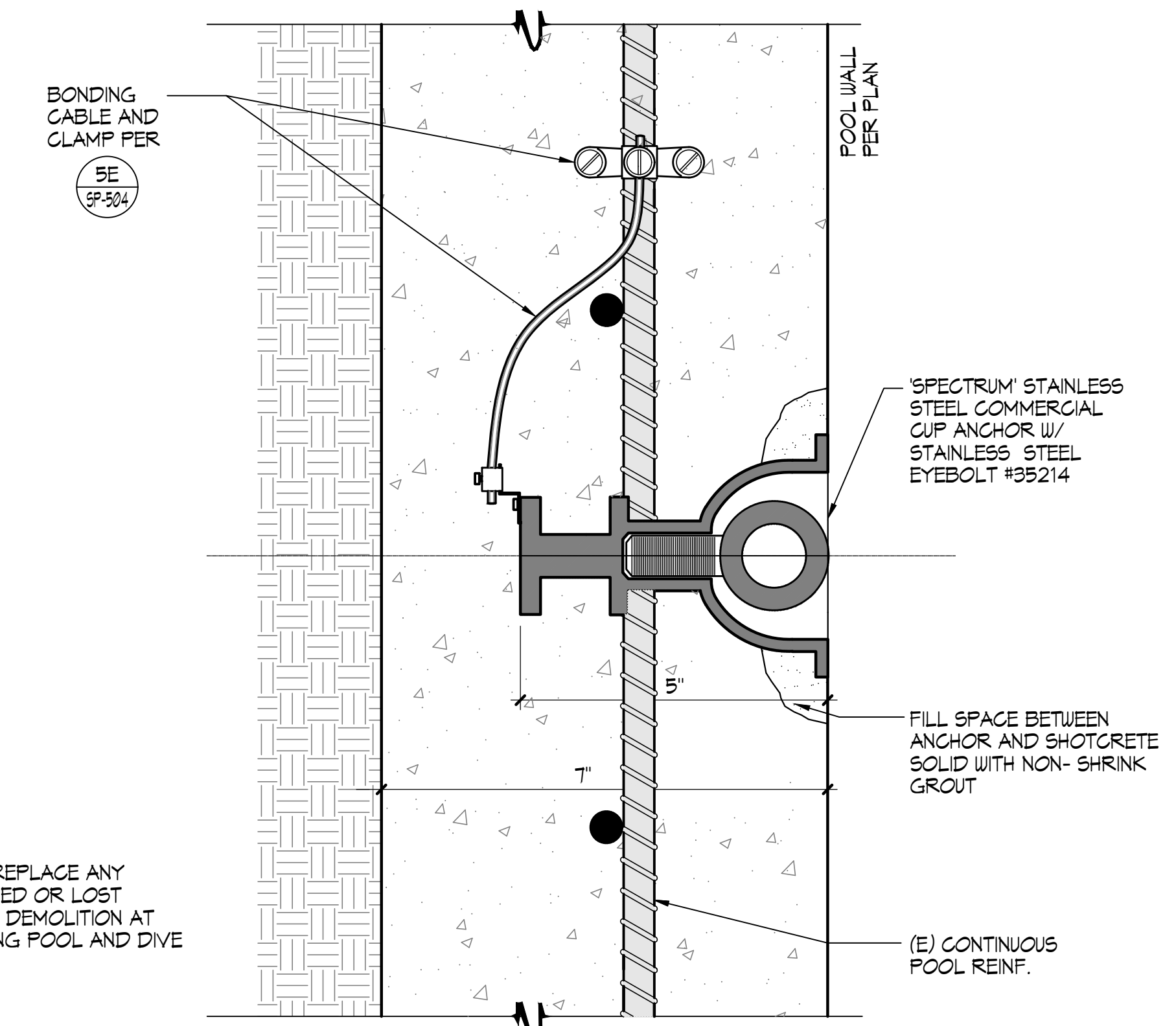
SILK SCREEN

1. INLAYS DOUBLE GLAZED WHITE SLIP RESISTANT TILE TYP. OF (1) PIECE OVER 1/8" MORTAR BED WITH 1/8" GROUT JOINTS. SEE PLAN FOR LOCATION.
2. 1" WIDE RED CIRCLE WITH 1" WIDE RED DIAGONAL LINE.
3. 1/8" BLUE WATER.
4. 1/8" RED TICKS ABOUT THE HEAD.
5. TAN COLOR BODY WITH BLACK OUTLINE, HAIR AND TRUNKS.
6. 1/8" BLACK POOL FLOOR.

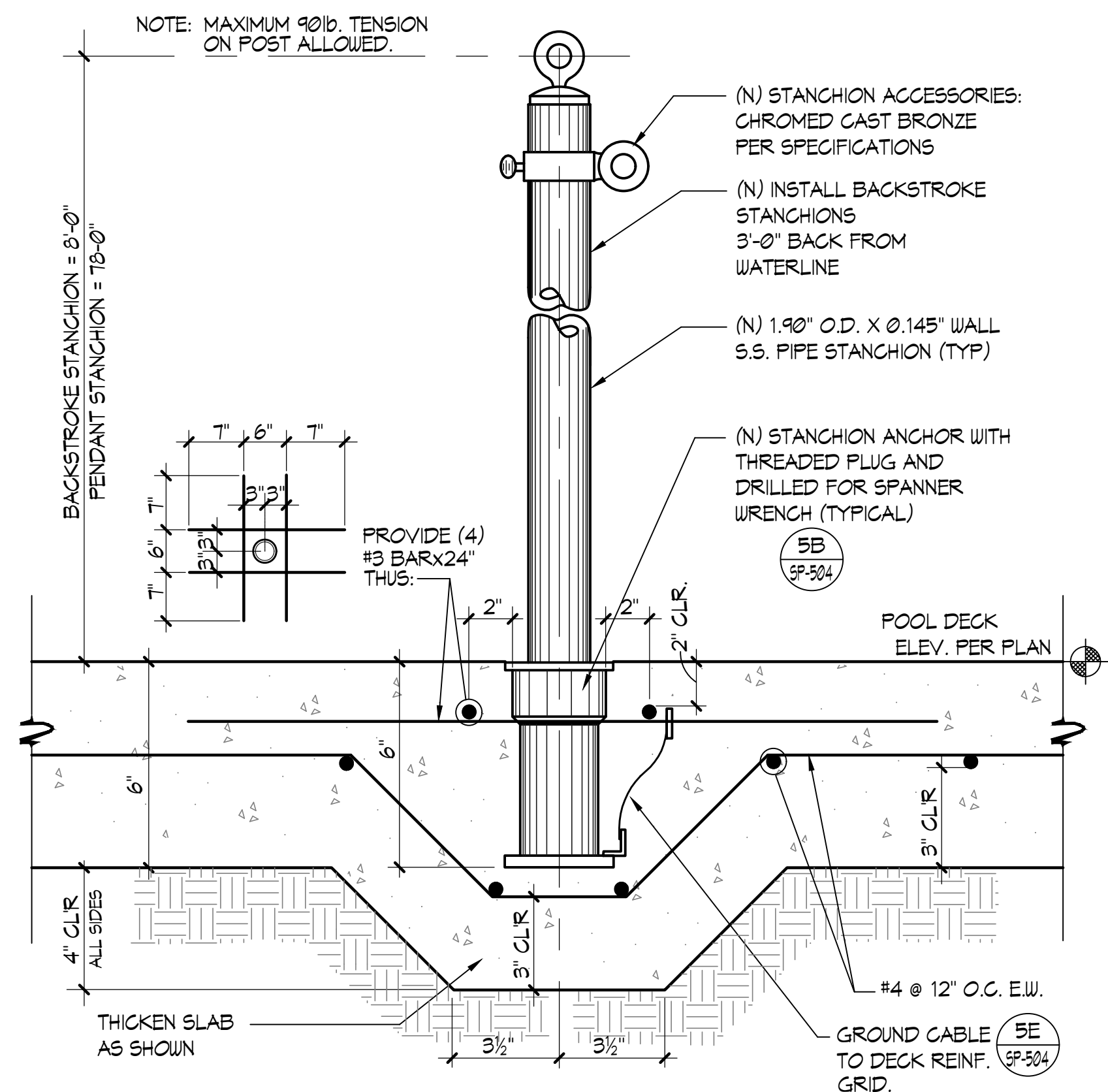
1 INTERNATIONAL "NO DIVING" MARKER 3'-1'-0"



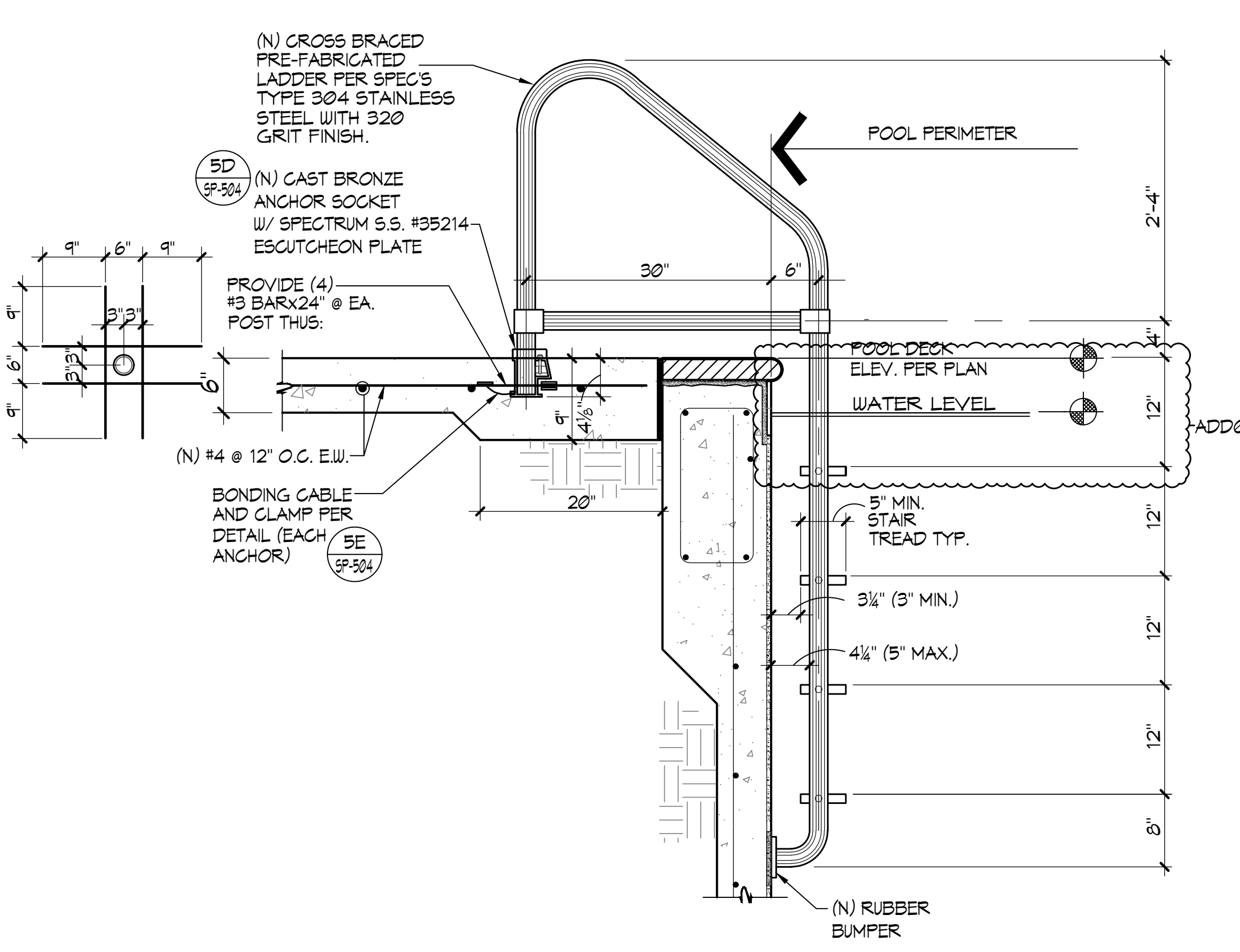
2 (N) RACING PLATFORM 1'-1'-0"



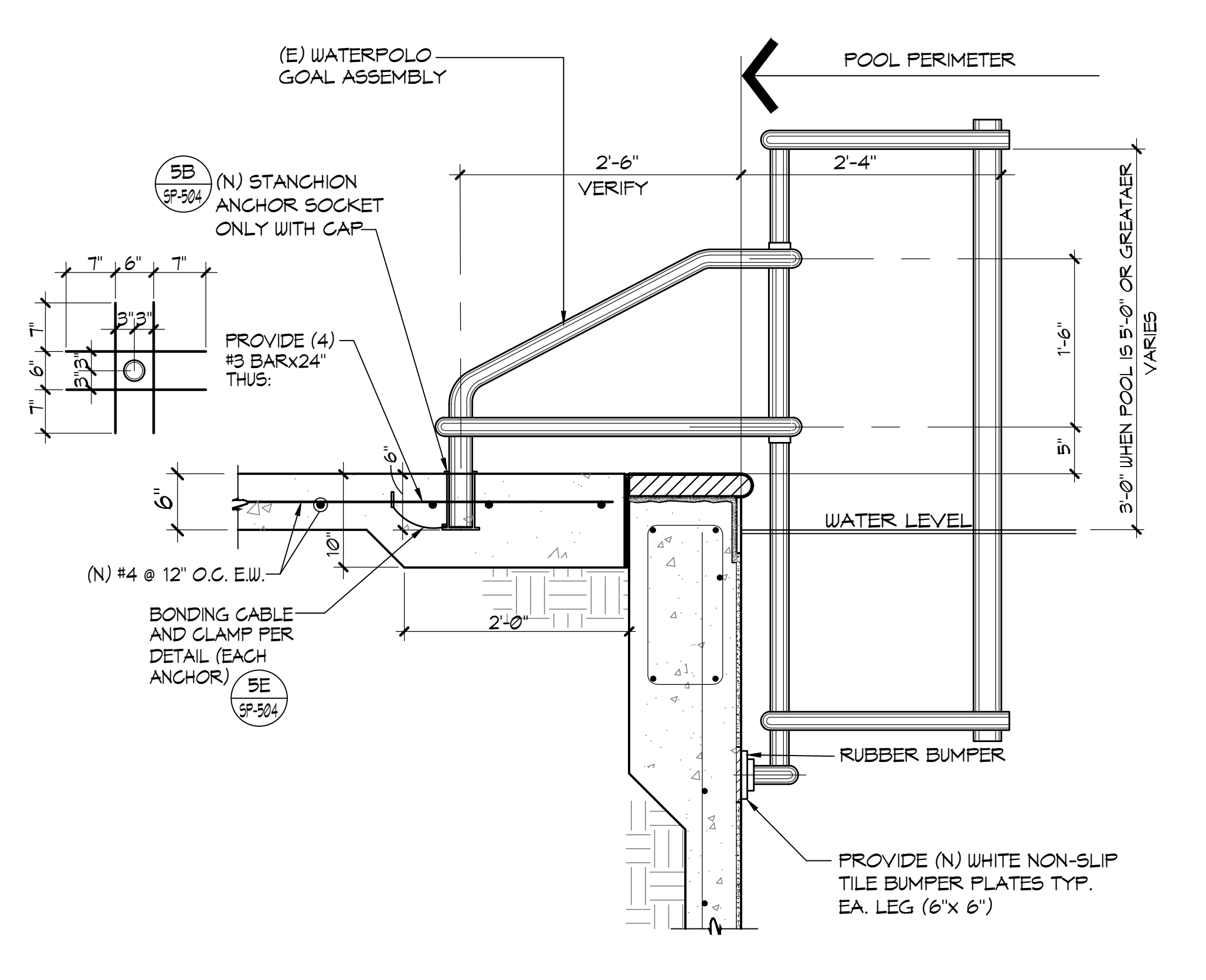
3 (N) OR (E) ROPE ANCHOR 1/2" = 1"



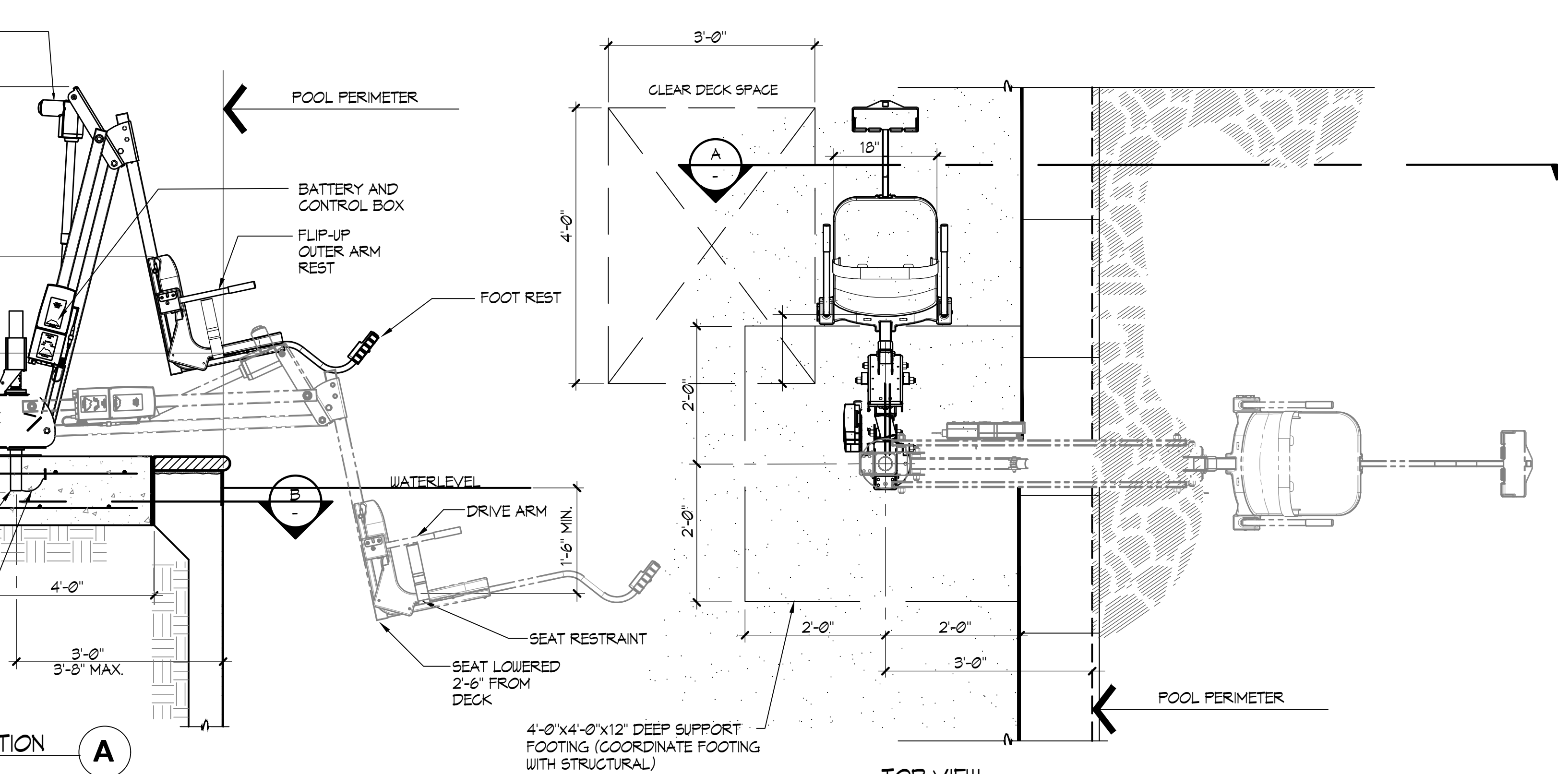
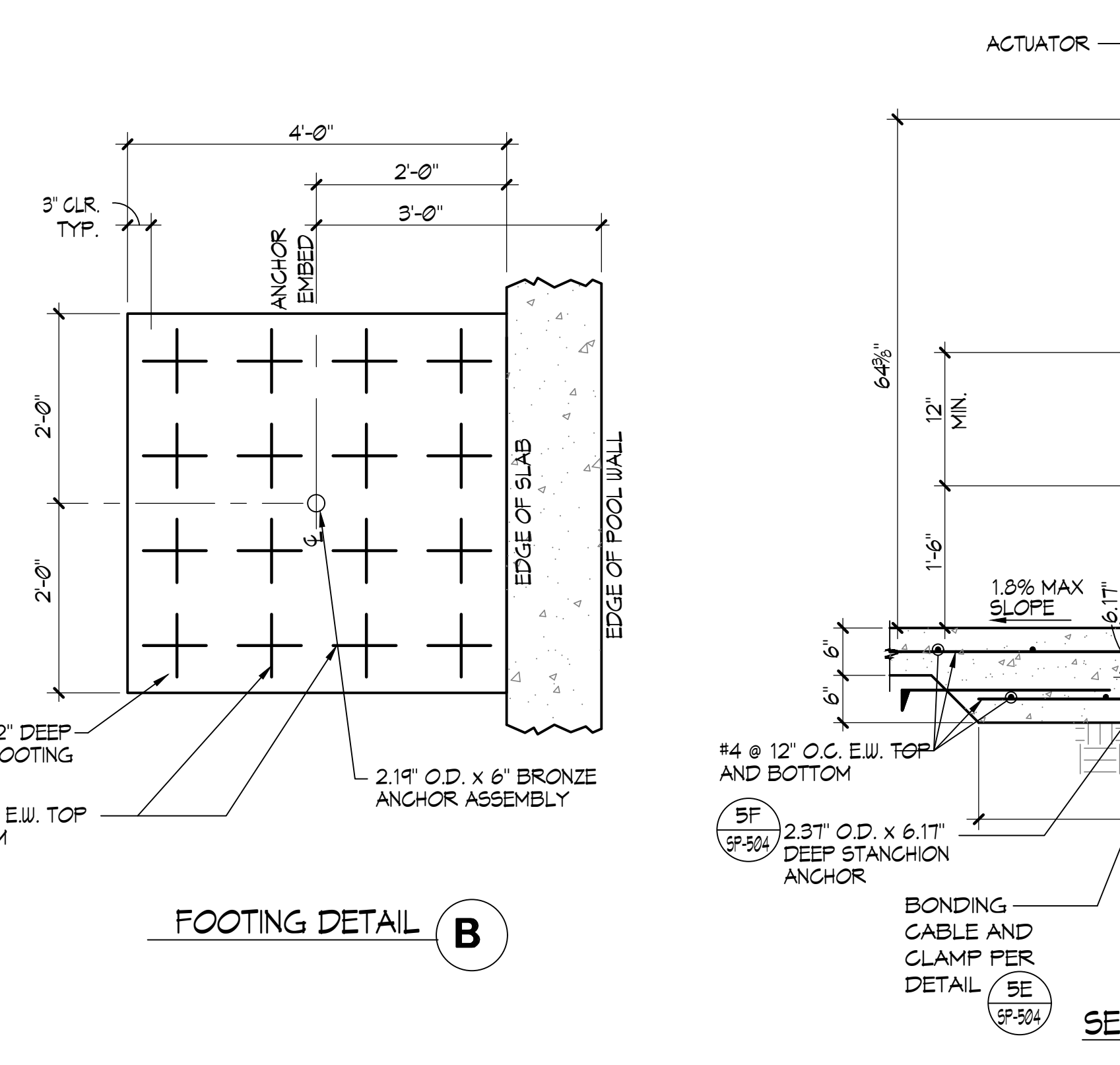
4 (N) STANCHION POST/ANCHOR 3'-1'-0"



5 (N) DIVING POOL LADDER 1'-1'-0"



6 (N) SWIMMING POOL WATERPOLO GOAL 1'-1'-0"



7 (N) SWIMMING POOL ACCESSIBLE LIFT 3/4" = 1'-0"

- NOTES:**
1. 'AQUA CREEK' MIGHTY 400 F-MTY-400 (350 lbs. MIN. LIVE LOAD AND 400 lbs. MAX. LIFTING CAPACITY)
 2. GUSSET COVER PLATE TO BE ATTACHED REQUIRING A TOOL FOR REMOVAL.
 3. CONTRACTOR SHALL PROVIDE COVER FOR LIFT 'AQUA CREEK'; EXTRA BATTERY PACK 'AQUA CREEK' #F-004AB; AND TRANSPORTER CART 'AQUA CREEK' #F-MTTC.
 4. UTILIZE OUTLET IN OFFICE FOR DISABLED LIFT BATTERY CHARGE STATION.
 5. POOL LIFT SHALL BE LOCATED WHERE THE WATER LEVEL IS AT LEAST 36" AND DOES NOT EXCEED 48" DEEP, UNLESS ENTIRE POOL IS GREATER THAN 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.

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SHEET
SP-502

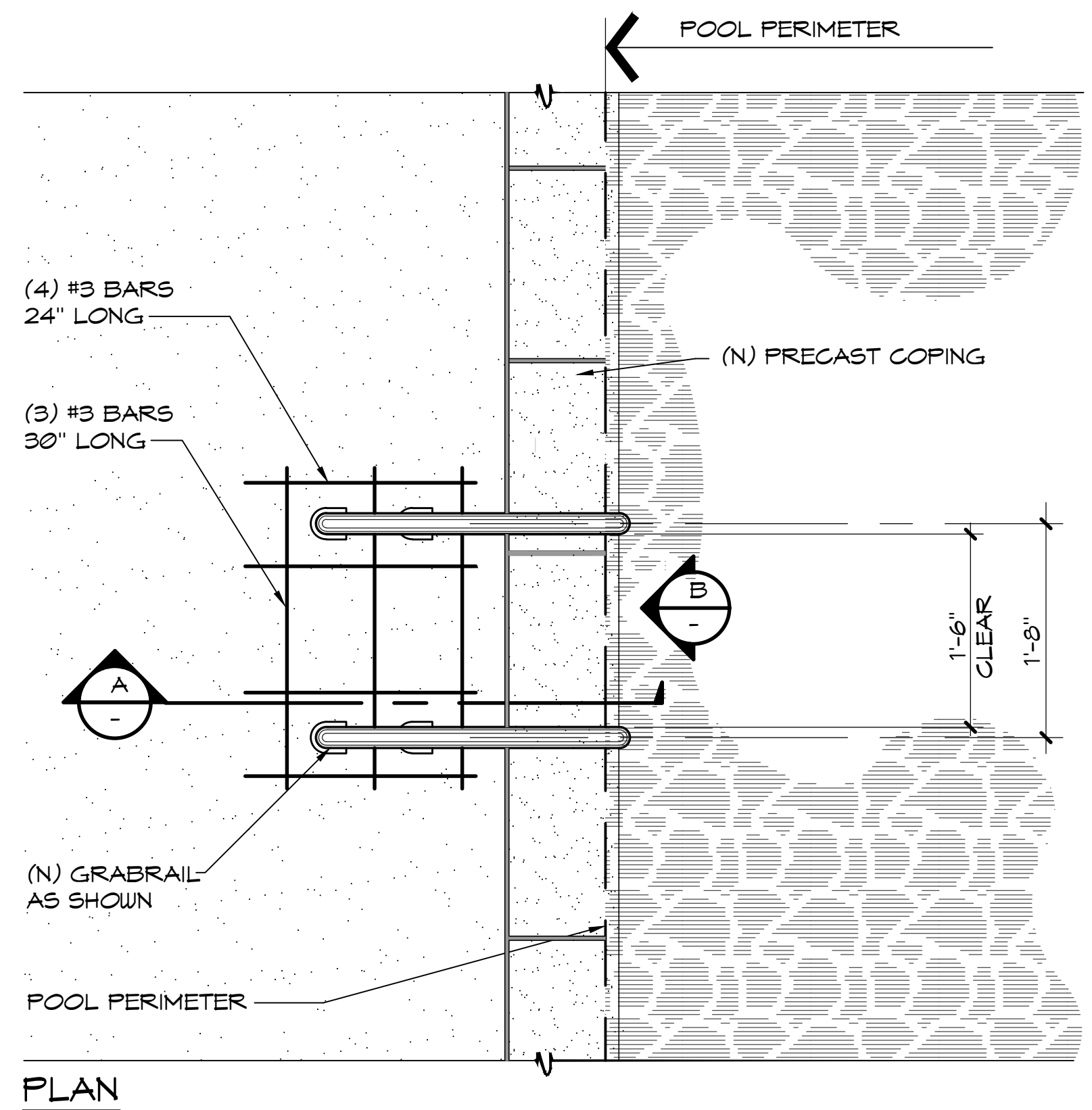
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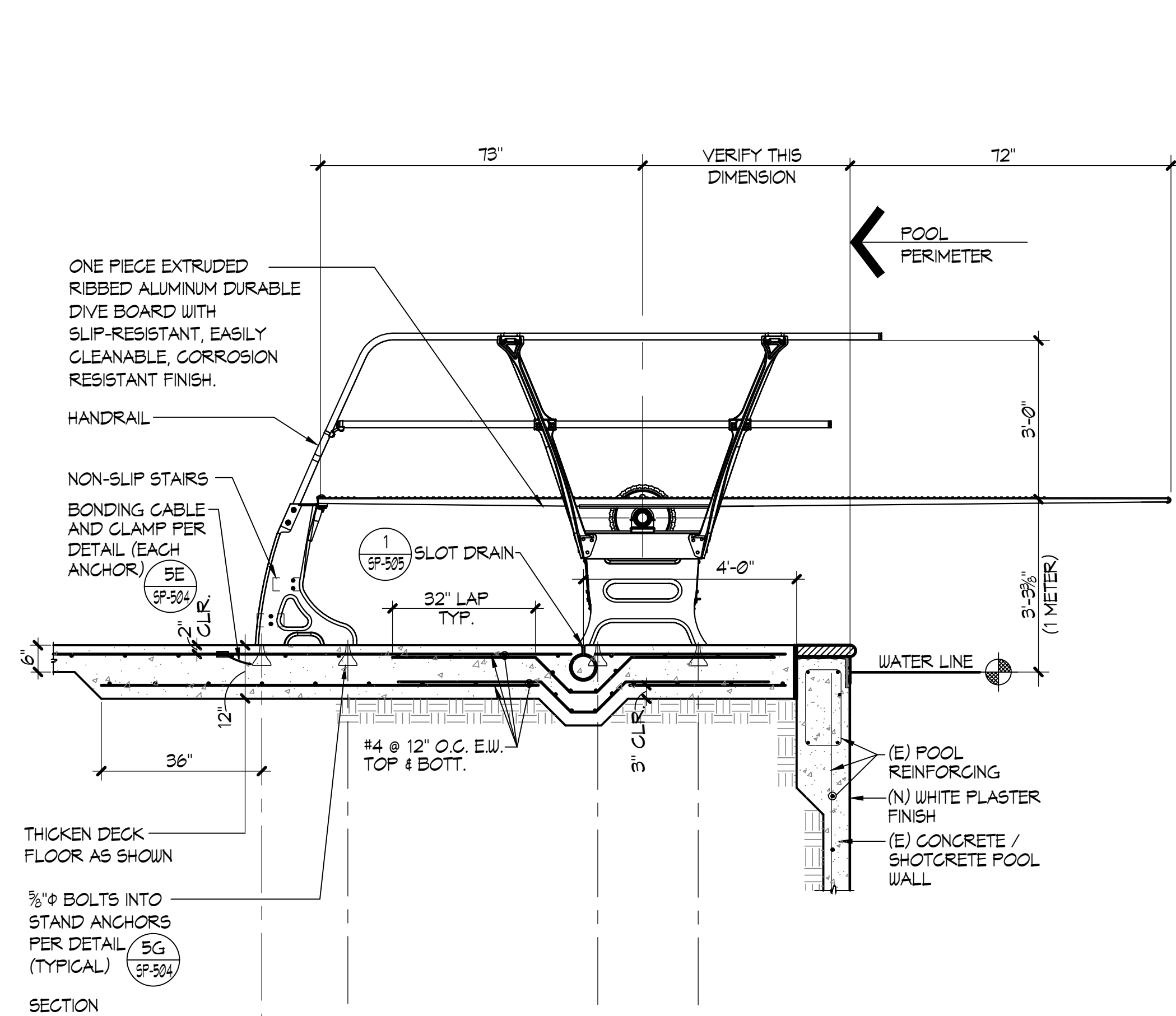
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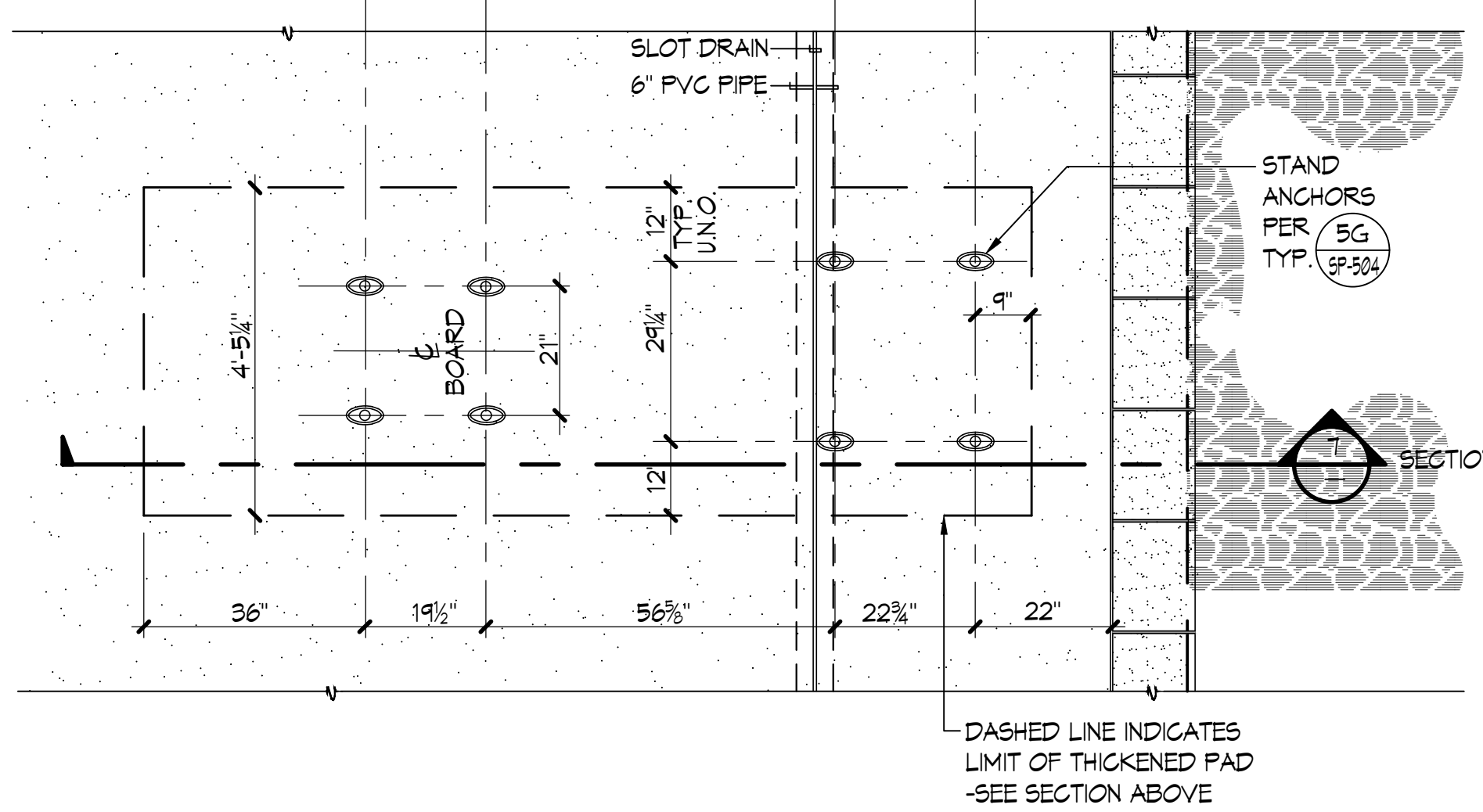
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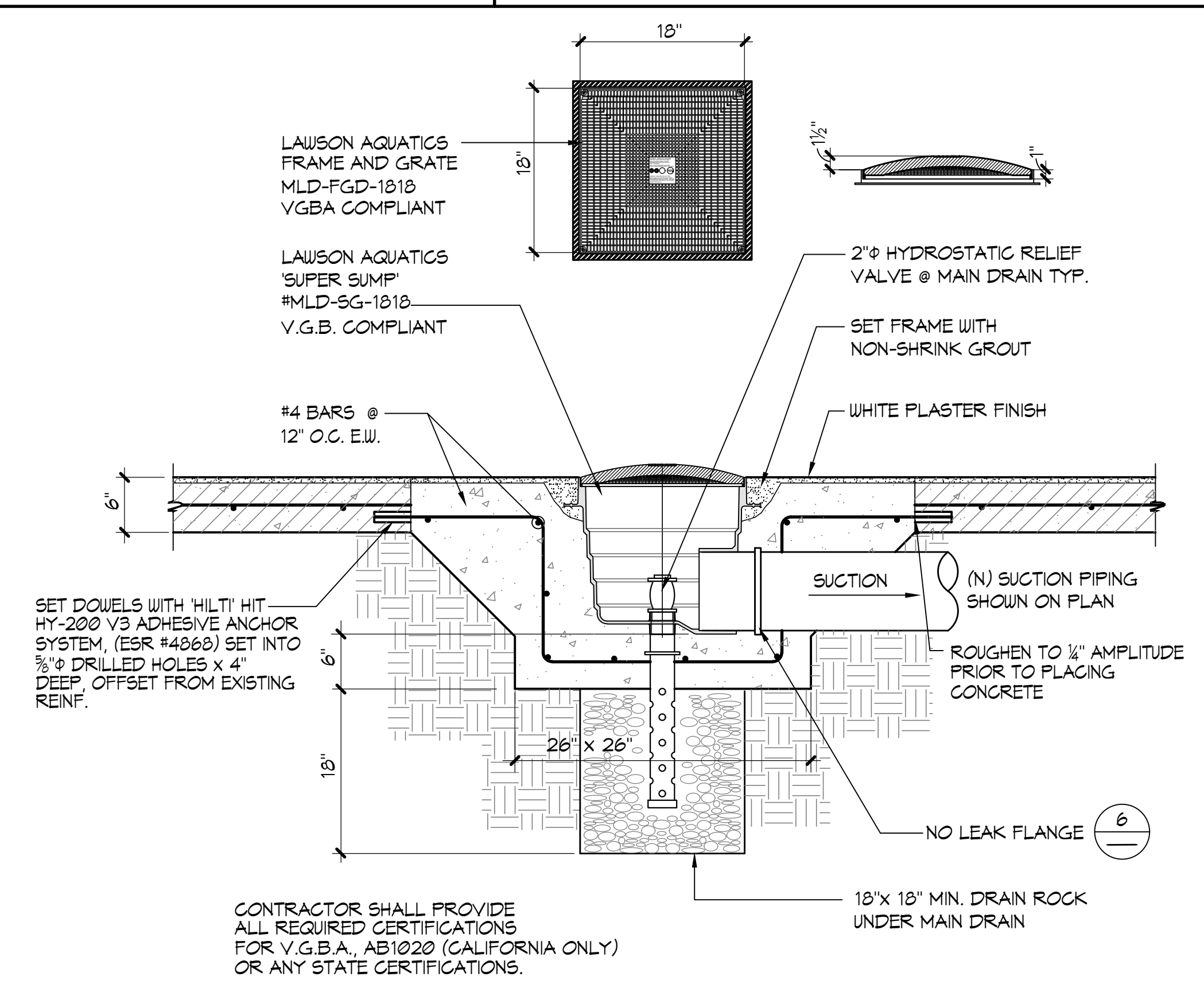
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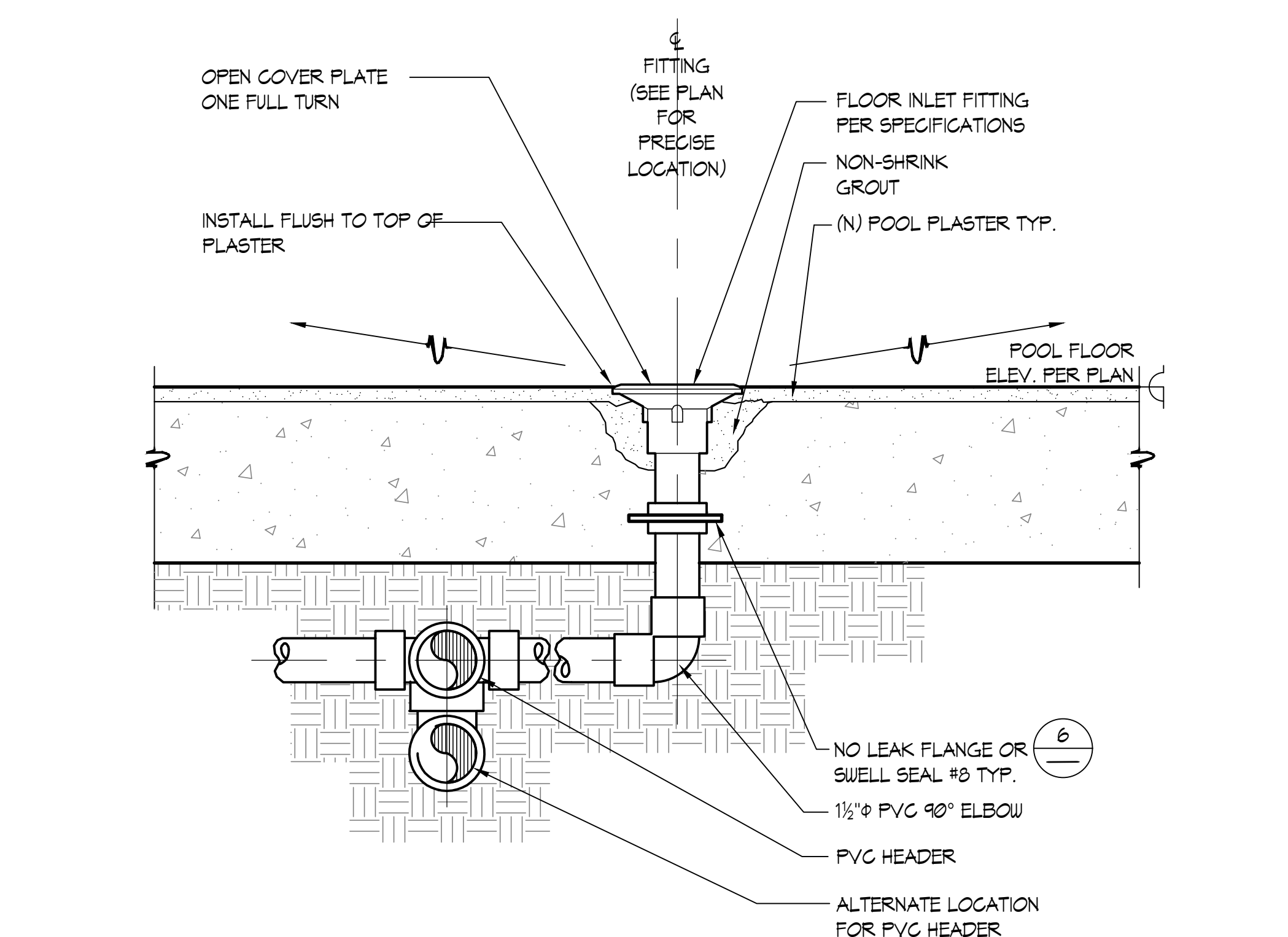
SECTION



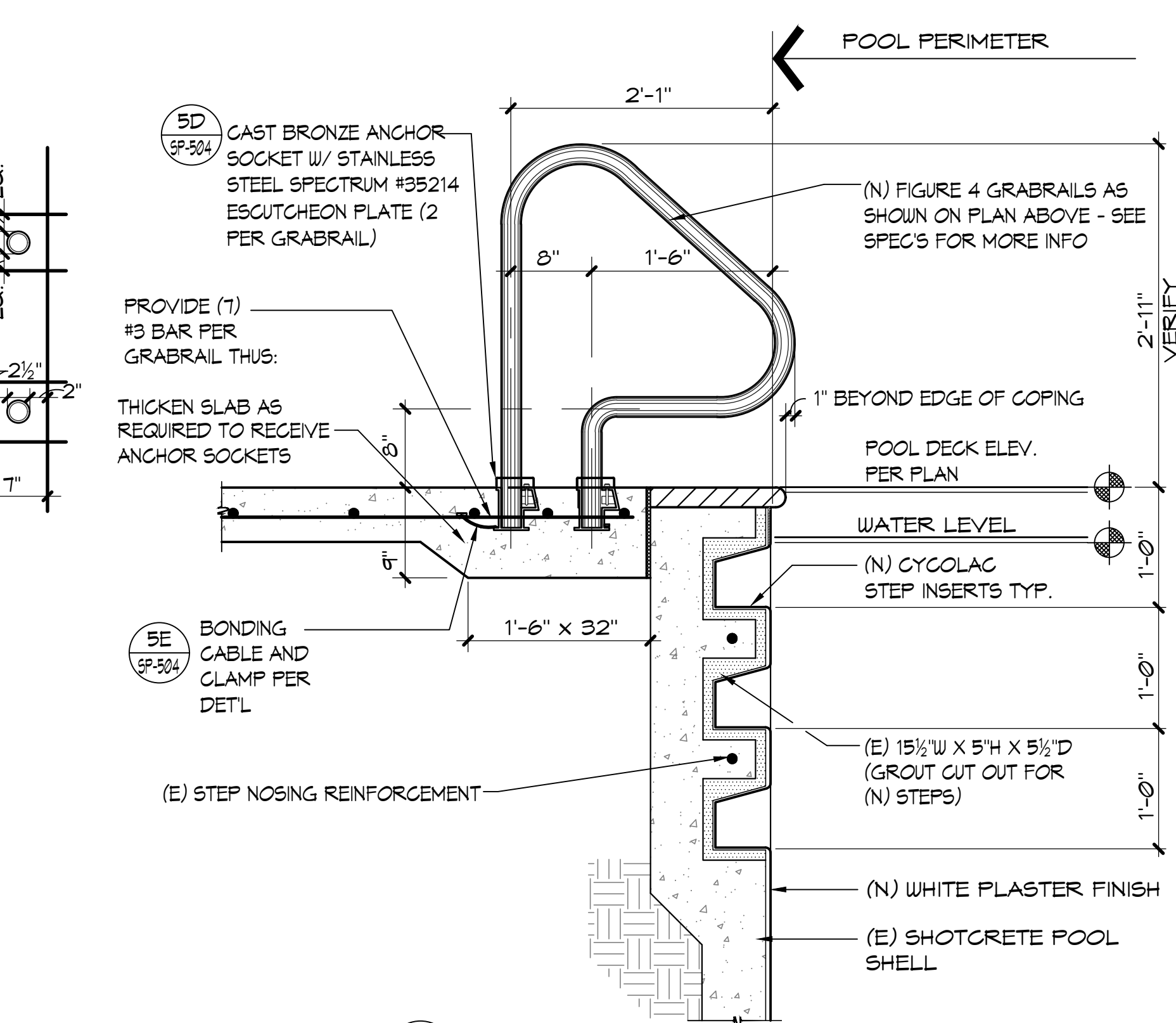
2 (N) ONE METER DIVE STAND 1/2"=1'-0"



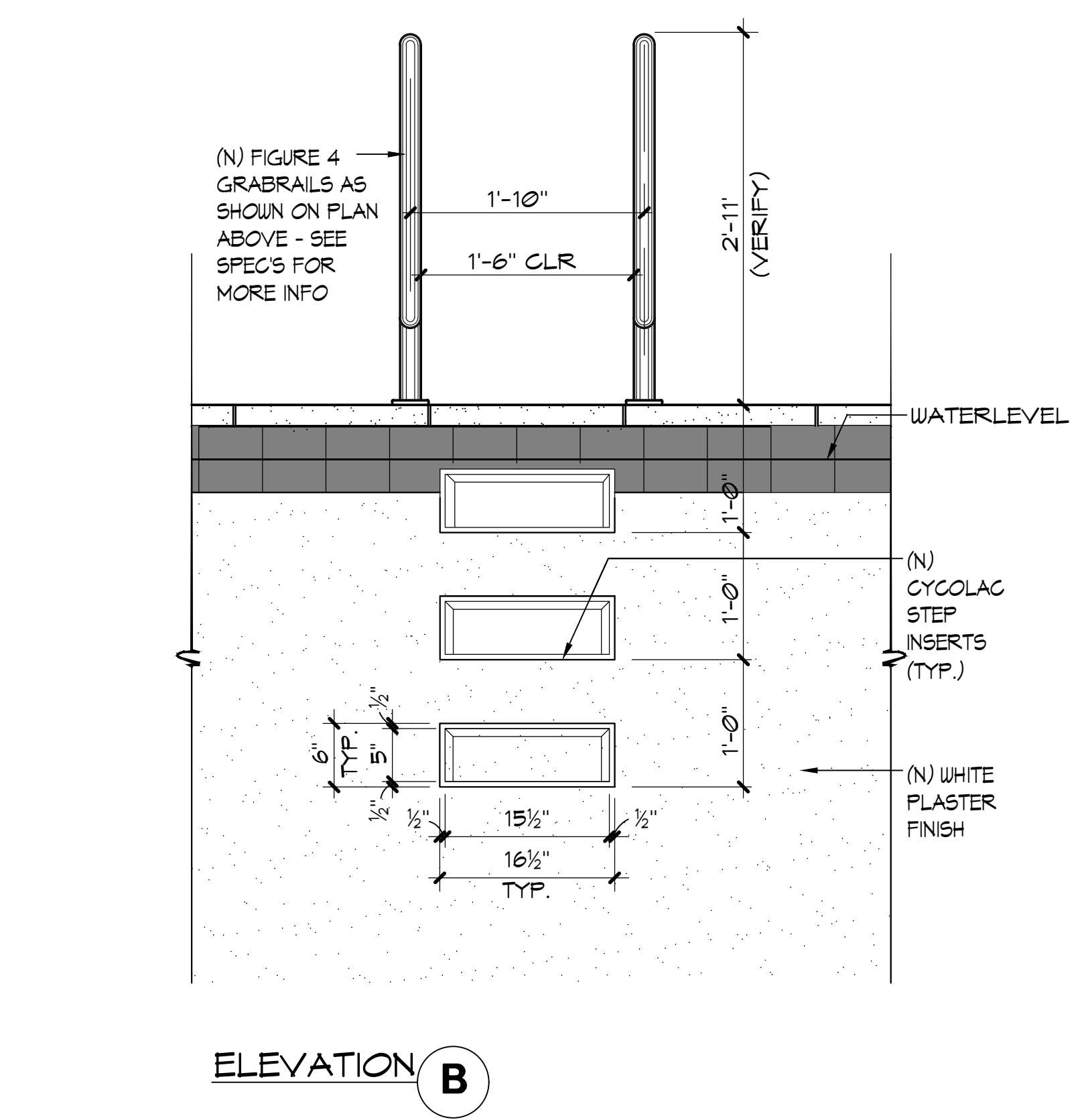
3 SWIMMING POOL / DIVING POOL MAIN DRAIN 1"=1'-0"



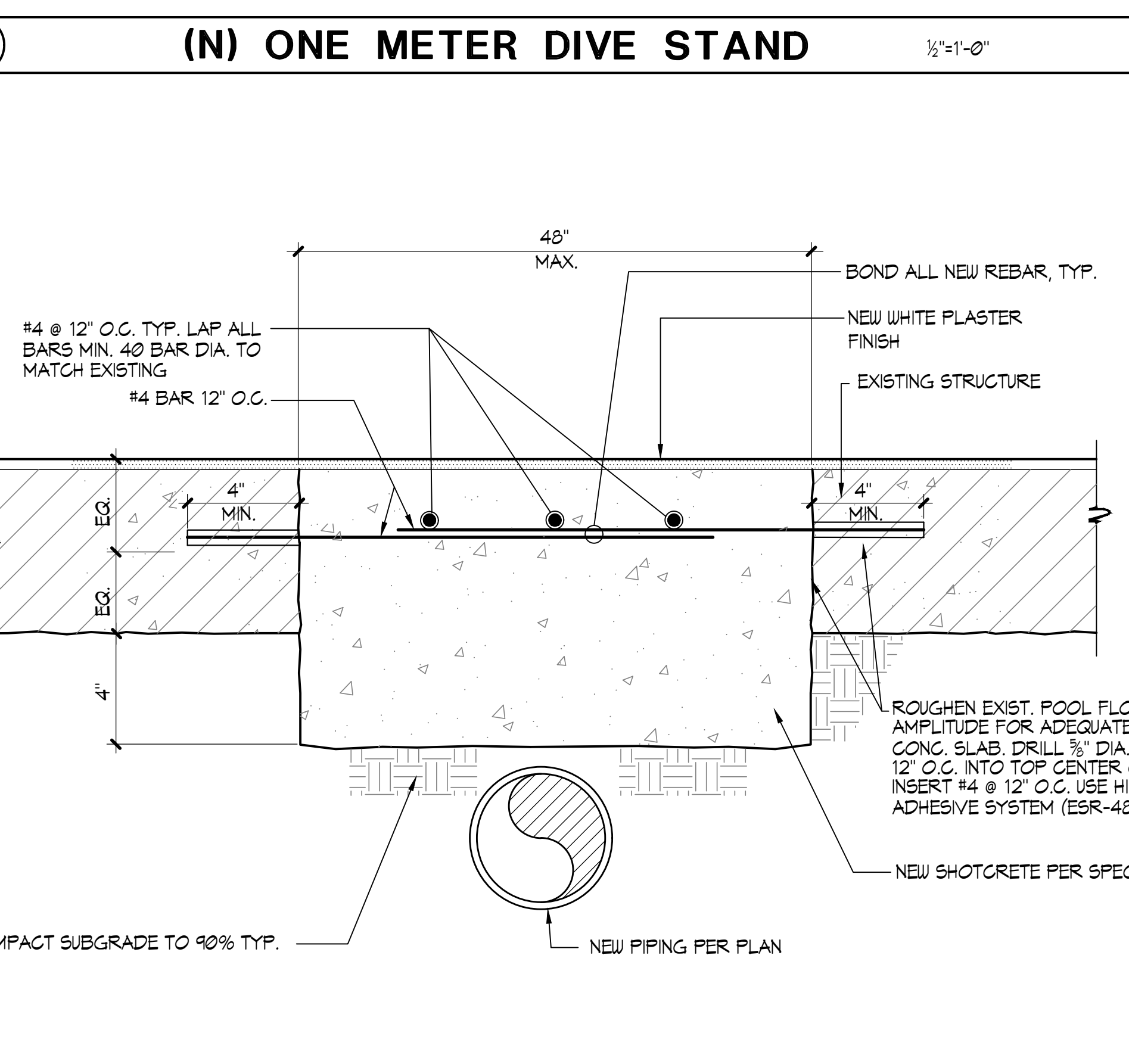
4 FLOOR INLET 3/4"=1'-0"



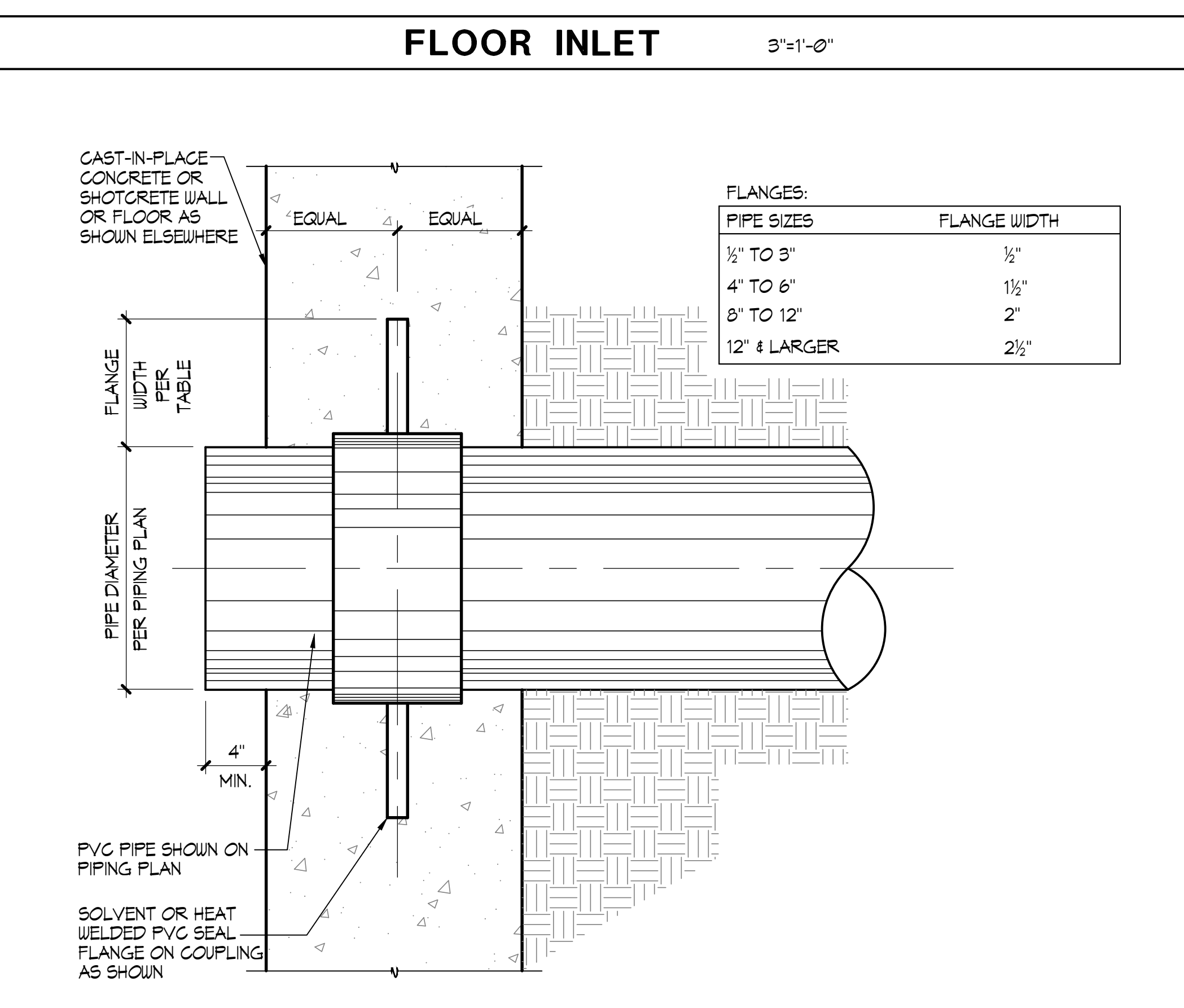
SECTION A



ELEVATION B



5 DEMOLITION/PIPING DETAIL 3/4"=1'-0"



6 WATER STOP DETAIL NO SCALE

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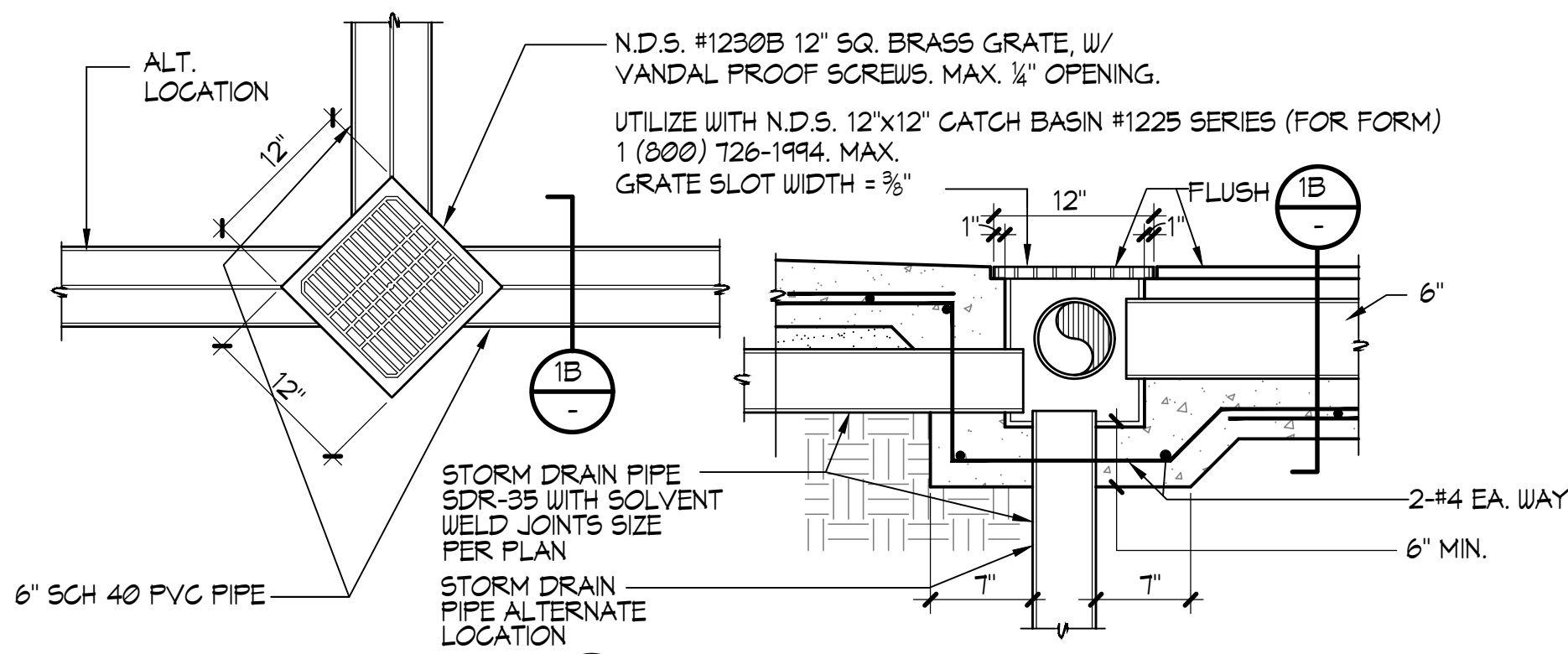
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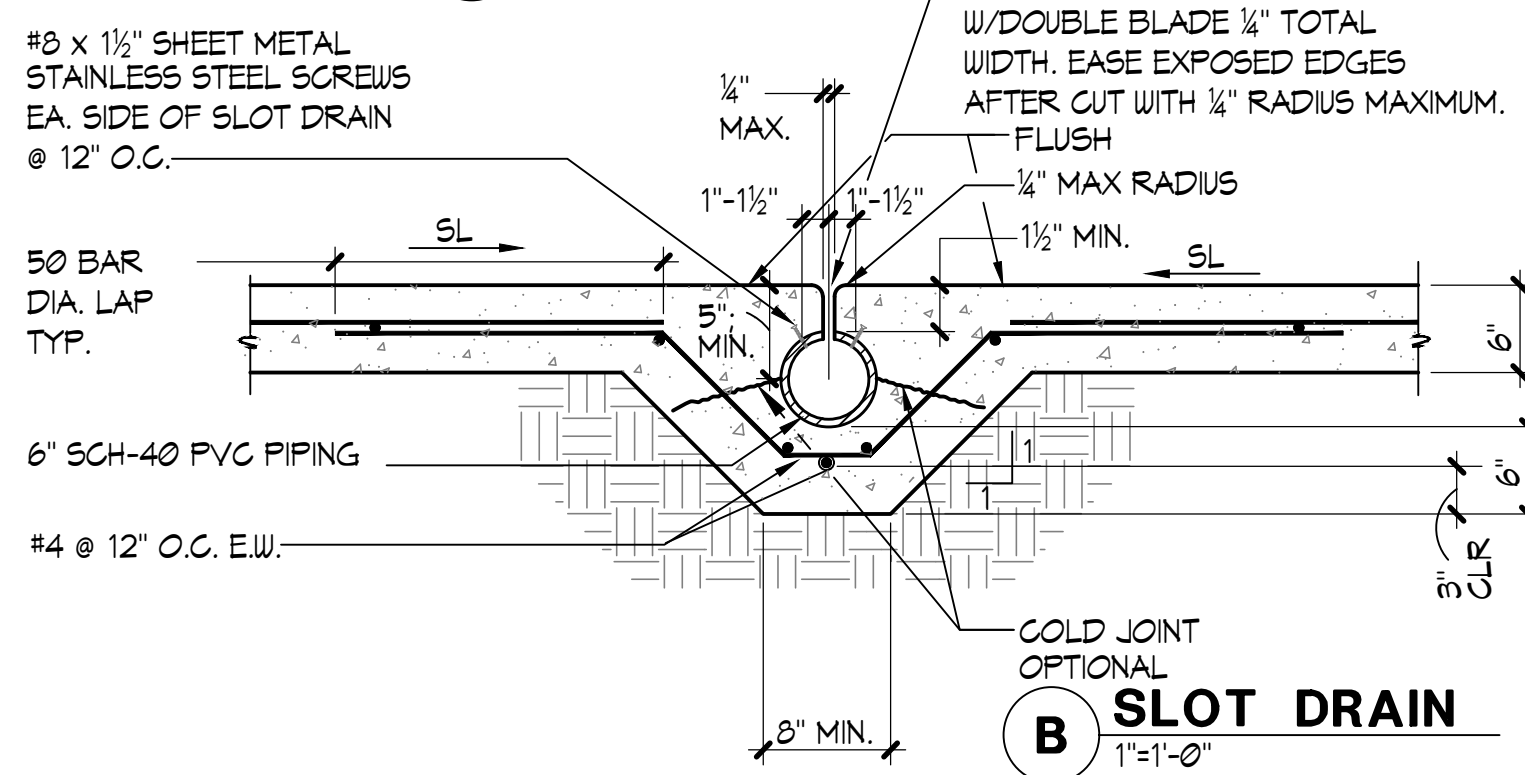
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SP-503

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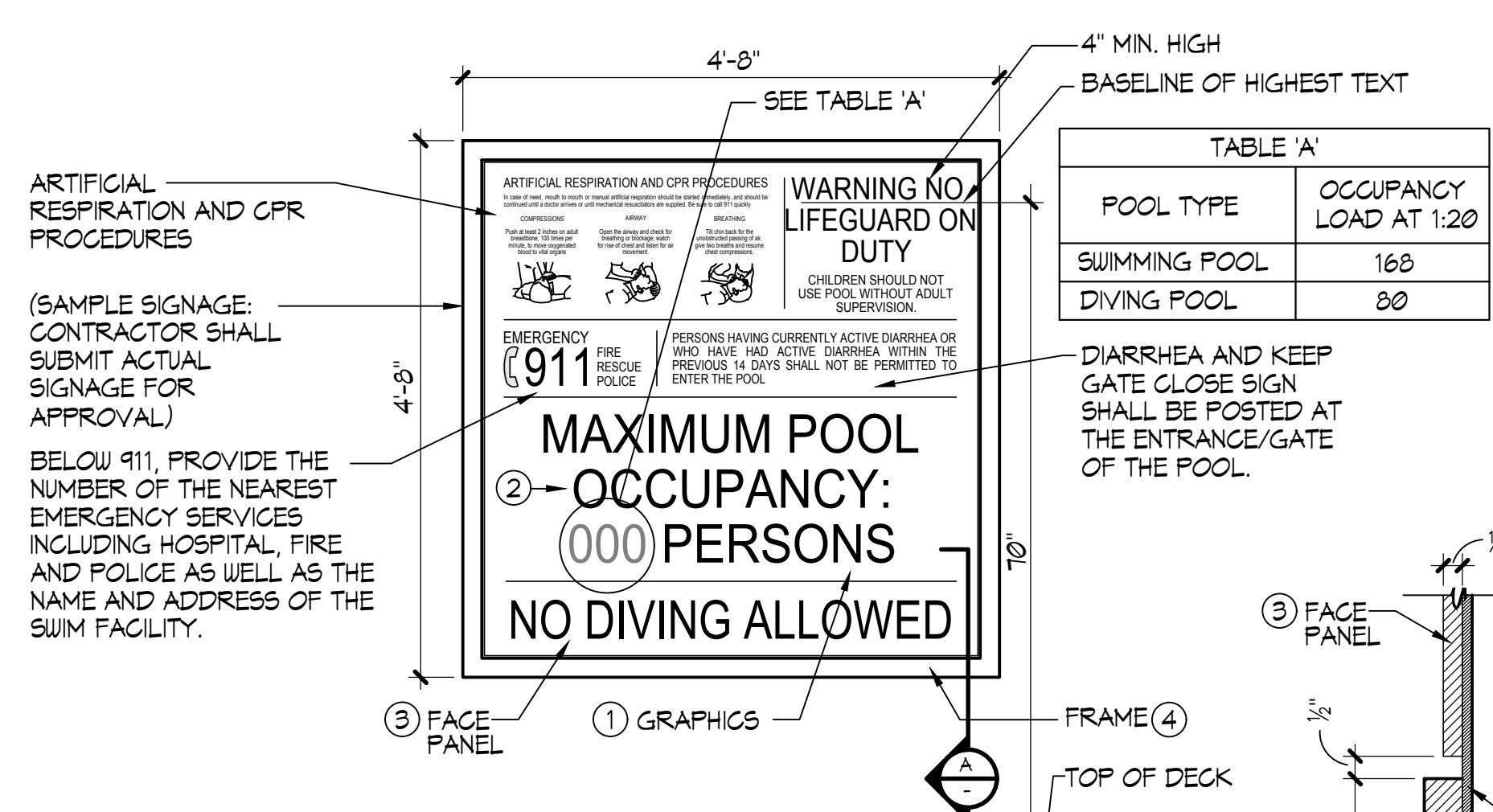


A SLOT DRAIN CLEAN OUT
1" = 1'-0"



B SLOT DRAIN
1" = 1'-0"

1 SLOT DRAIN
1" = 1'-0"

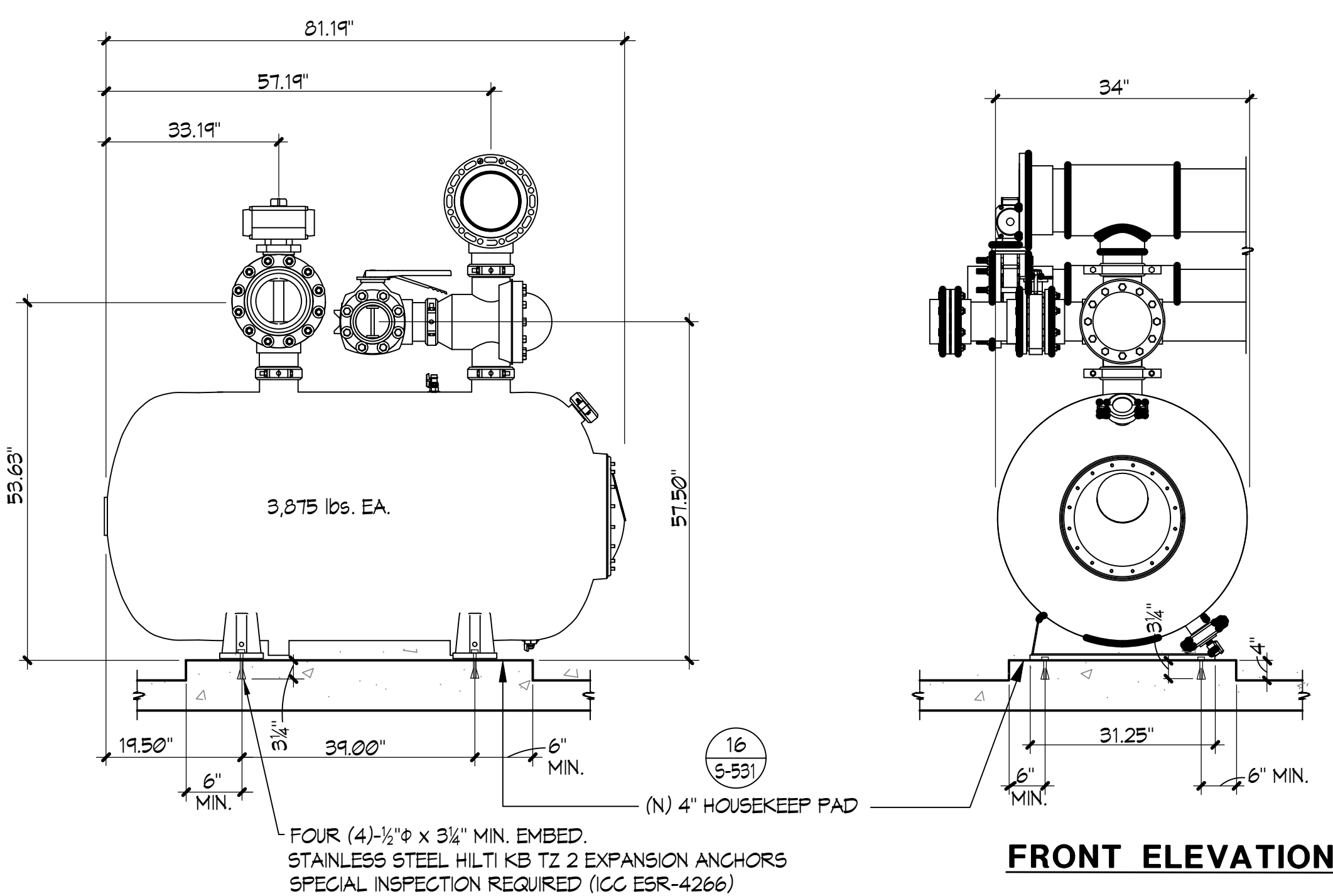


SIGNAGE NOTES AND SPECIFICATIONS:

- 1/2" THICK PAINTED ALUMINUM BACKER PANEL.
- SILKSCREENED COPY/GRAPHICS WITH NON GLARE FINISH.
- 3/4" THICK PAINTED ALUMINUM FACE PANEL WITH SILKSCREENED COPY/GRAPHICS. ATTACH TO 1/2" THICK PAINTED ALUMINUM BACKER PANEL USING VHB TAPE AND SILICONE ADHESIVE.
- 2" WIDE x 1/2" THICK PAINTED ALUMINUM SIGN FRAME ADHERED TO 1/2" 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.

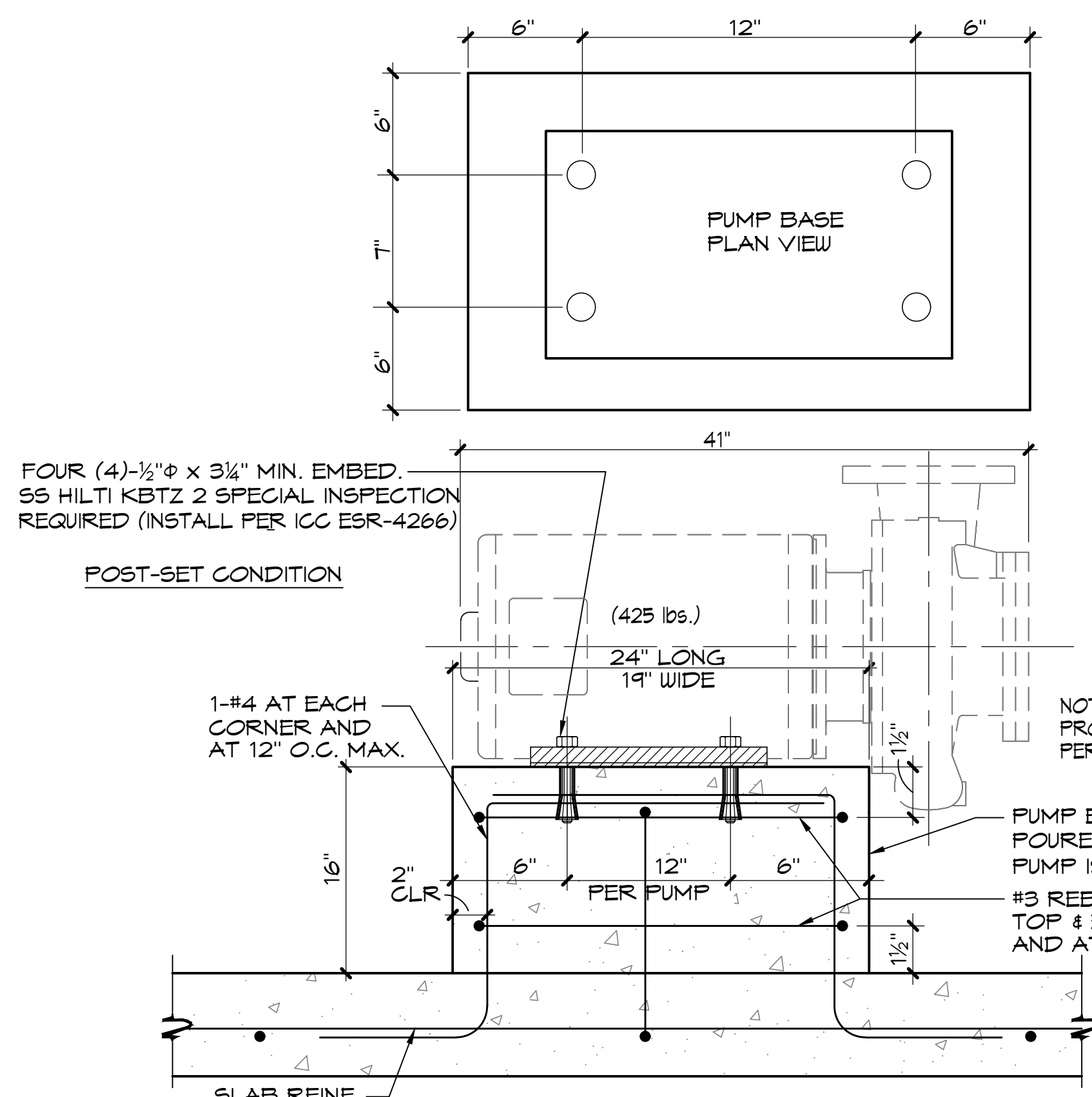
A SECTION
6" = 1'-0"

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



FRONT ELEVATION

3 FILTER ANCHORAGE
NO SCALE



4 PUMP ANCHORAGE
NO SCALE

REQUIRED SIGNAGE:

- 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.
 - 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.
 - 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."
 - ARTIFICIAL RESPIRATION AND CARDIO PULMONARY RESUSCITATION SIGN; AN ILLUSTRATED DIAGRAM WITH TEXT AT LEAST 1/2 INCH HIGH OF ARTIFICIAL RESPIRATION AND CARDIO PULMONARY RESUSCITATION PROCEDURES SHALL BE POSTED.
 - 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.
- 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."
- 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."
- 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.
- DIRECTION OF FLOW SIGNAGE AND LABELS.
 - THE DIRECTION OF FLOW FOR THE REGULATION EQUIPMENT SHALL BE LABELED CLEARLY WITH DIRECTIONAL SYMBOLS SUCH AS ARROWS ON ALL PIPING IN THE EQUIPMENT AREA.
 - WHERE THE REGULATION EQUIPMENT FOR MORE THAN ONE POOL IS LOCATED ON SITE, THE EQUIPMENT SHALL BE MARKED AS TO WHICH POOL THE SYSTEM SERVES.
 - VALVES AND PLUMBING LINES SHALL BE LABELED CLEARLY WITH THE SOURCE OR DESTINATION DESCRIPTIONS.

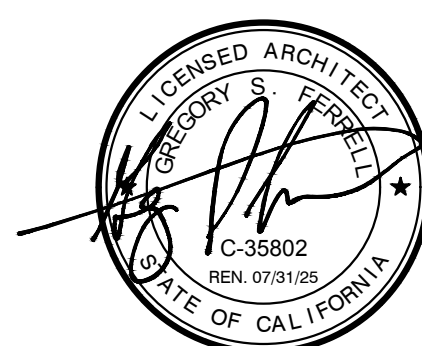
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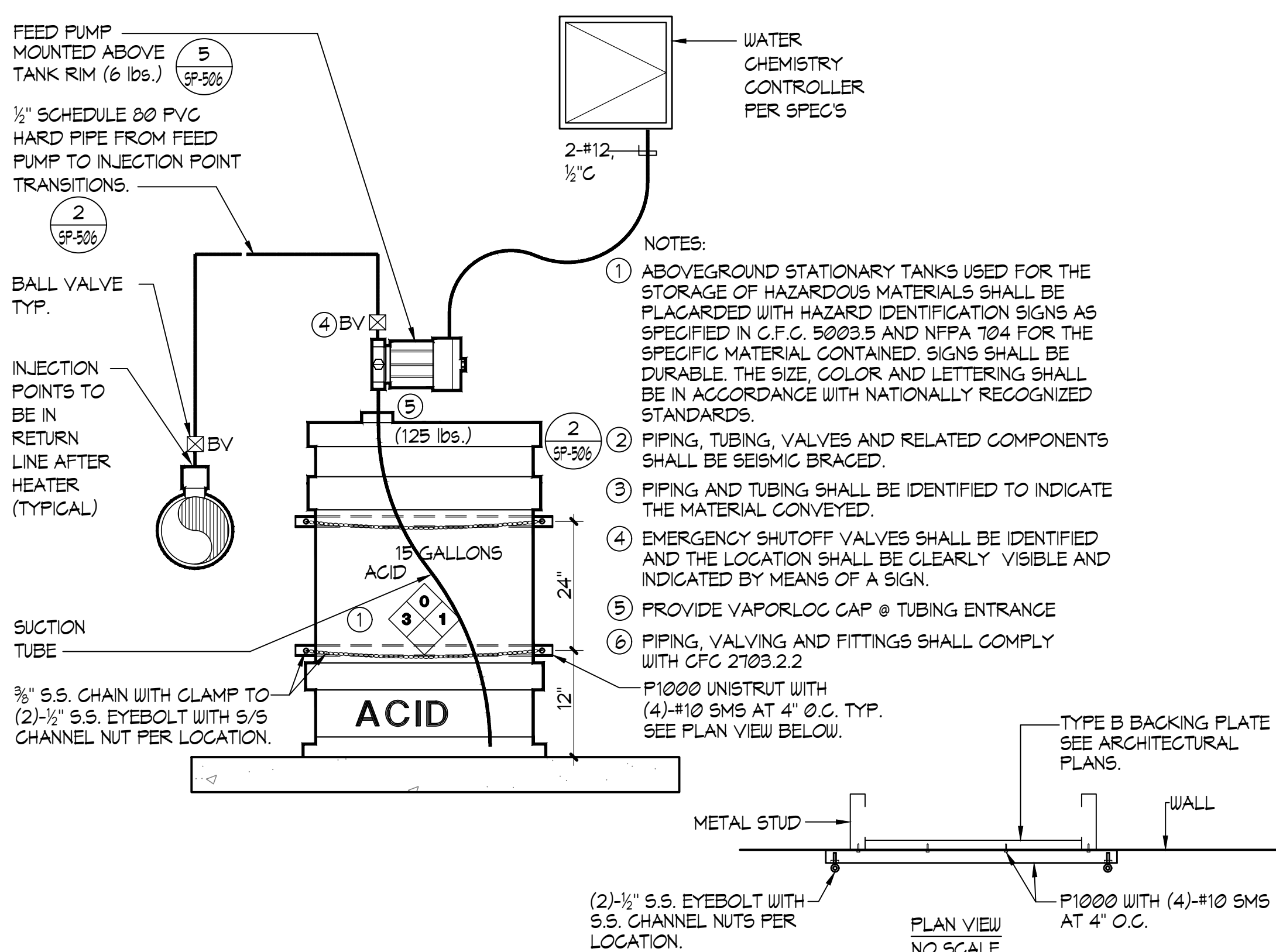
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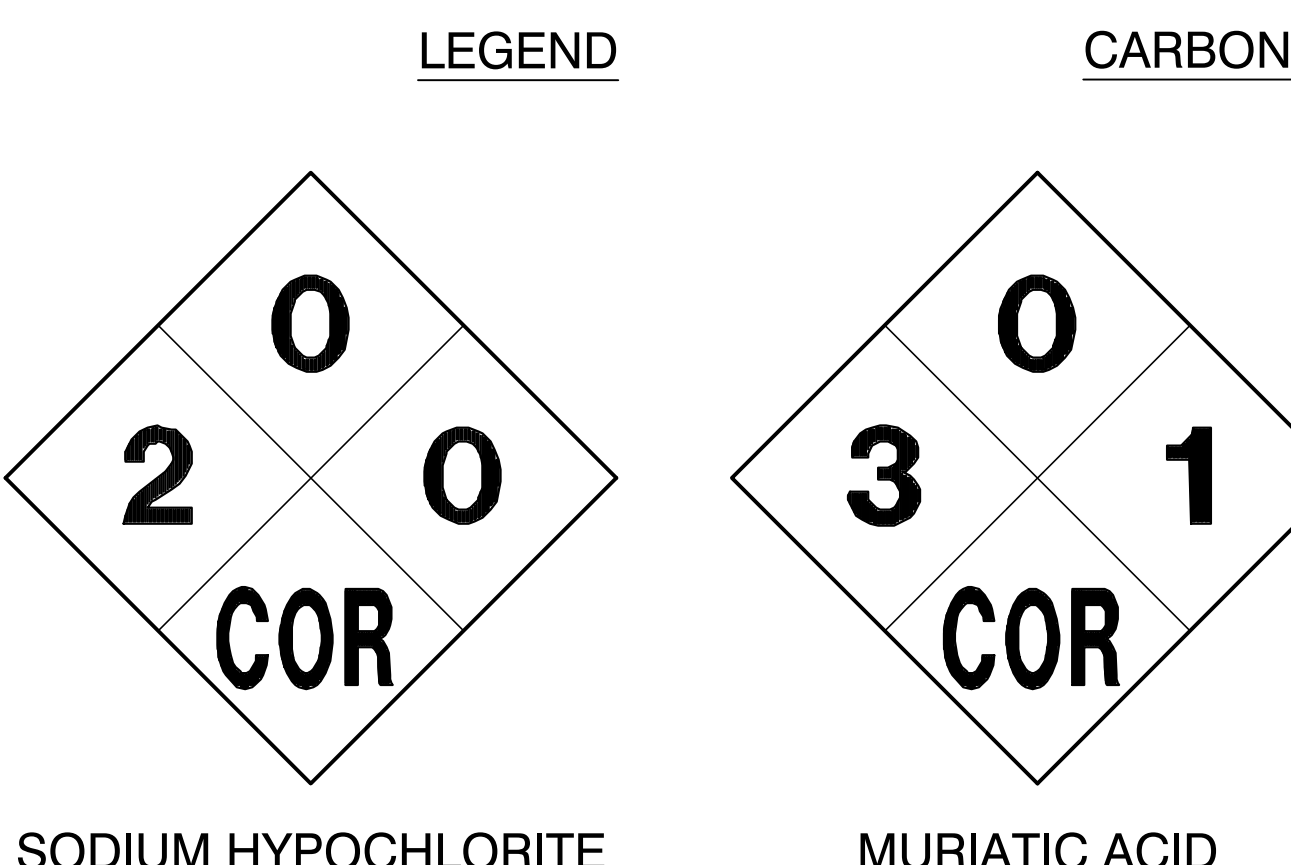
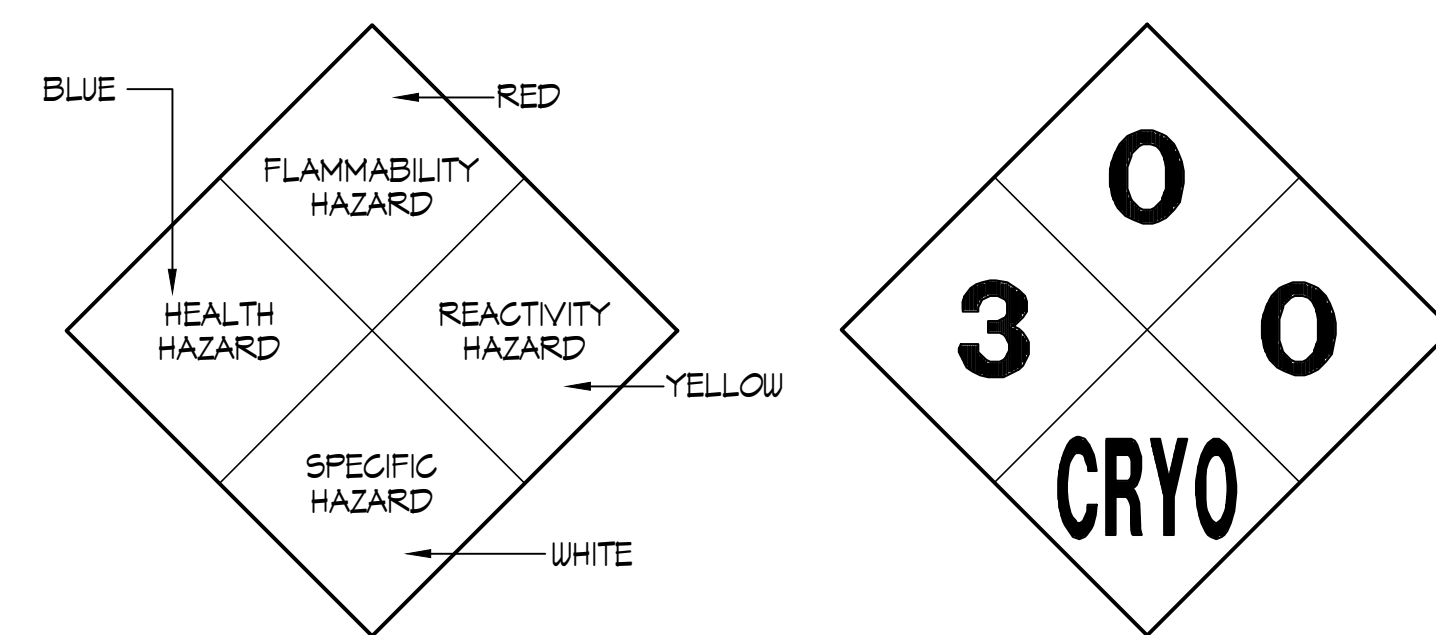
6 MURIATIC ACID FEED SCHEMATIC
NO SCALE

| CHEMICAL CLASSIFICATION TABLE | | | | | | | | | | |
|-------------------------------|---------------------|---------|-----------|--------|--------------------------|------------------------|----------------------------|--------------------------|------------------|---------------|
| COMMON NAME | CHEMICAL NAME | % COMP. | CAS # | FORM | QUANT. STORED (NOT USED) | QUANT. IN USE (CLOSED) | MAXIMUM ALLOWABLE QUANTITY | LOCATION (STORAGE & USE) | HAZ CLASSES | JUSTIFICATION |
| SODIUM HYPOCHLORITE | SODIUM HYPOCHLORITE | 12.5% | 7881-52-9 | LIQUID | 0 GAL. | 350 GAL. | 350 GAL. | (E) MECH. ROOM | CORROSIVE LIQUID | MSDS |
| MURIATIC ACID | HYDROCHLORIC ACID | 31.45% | 7847-01-0 | LIQUID | 0 GAL. | 15 GAL. | 15 GAL. | (E) MECH. ROOM | CORROSIVE LIQUID | MSDS |
| CARBON DIOXIDE | CARBON DIOXIDE | 100% | 124-39-9 | LIQUID | 0 lbs. | 600 lbs. | 696 lbs. | CHEM ROOM | CRYOGENIC | MSDS |

QUANTITIES OF CHEMICALS DO NOT EXCEED THE QUANTITIES LISTED IN CFC TABLE 5003.1(1/2) INCLUDING FOOTNOTE 'd' FOR CARBON DIOXIDE GAS SEE CFC TABLE 5003.1(1/1).
PROVIDE HARD WIRED CO2 DETECTOR 'ANALOX SENSOR TECHNOLOGY' MODEL #A1 KIT SENSOR AND STROBE UNITS 120V HARD WIRED W/ STROBE LIGHT AND AUDIBLE ALARM. SENSOR MOUNTED 18 INCHES A.F.F. AND ALARM LEVEL BETWEEN 10-16 INCHES AND WITHIN VISIBLE EYESIGHT OF DOOR. TO BE SET TO DETECT CO2 GAS IN LEVELS IN EXCESS OF THE PEL. PROVIDE IN EACH ROOM CONTAINING CO2.

| RATING EXPLANATION GUIDE | | | |
|--------------------------|---|--|---|
| RATING | HEALTH HAZARD | FLAMMABILITY HAZARD | REACTIVITY HAZARD |
| 4 | CAN BE LETHAL | EXTREMELY FLAMMABLE. IGNITES AT BELOW 73° F. | MAY EXPLODE AT NORMAL TEMPERATURES AND PRESSURES |
| 3 | CAN CAUSE SERIOUS OR PERMANENT INJURY | IGNITES AT ABOVE 73° F. BELOW 100° F. | MAY EXPLODE AT HIGH TEMPERATURES OR SHOCK |
| 2 | CAN CAUSE TEMPORARY INCAPACITATION OR RESIDUAL INJURY | IGNITES AT ABOVE 100° F. BELOW 200° F. | VIOLENT CHEMICAL CHANGE AT HIGH TEMPERATURES OR PRESSURES |
| 1 | CAN CAUSE SIGNIFICANT IRRITATION | IGNITES AT ABOVE 200° F. | NORMALLY STABLE. HIGH TEMPERATURES MAKE UNSTABLE |
| 0 | NO HAZARD | WILL NOT BURN | STABLE |

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

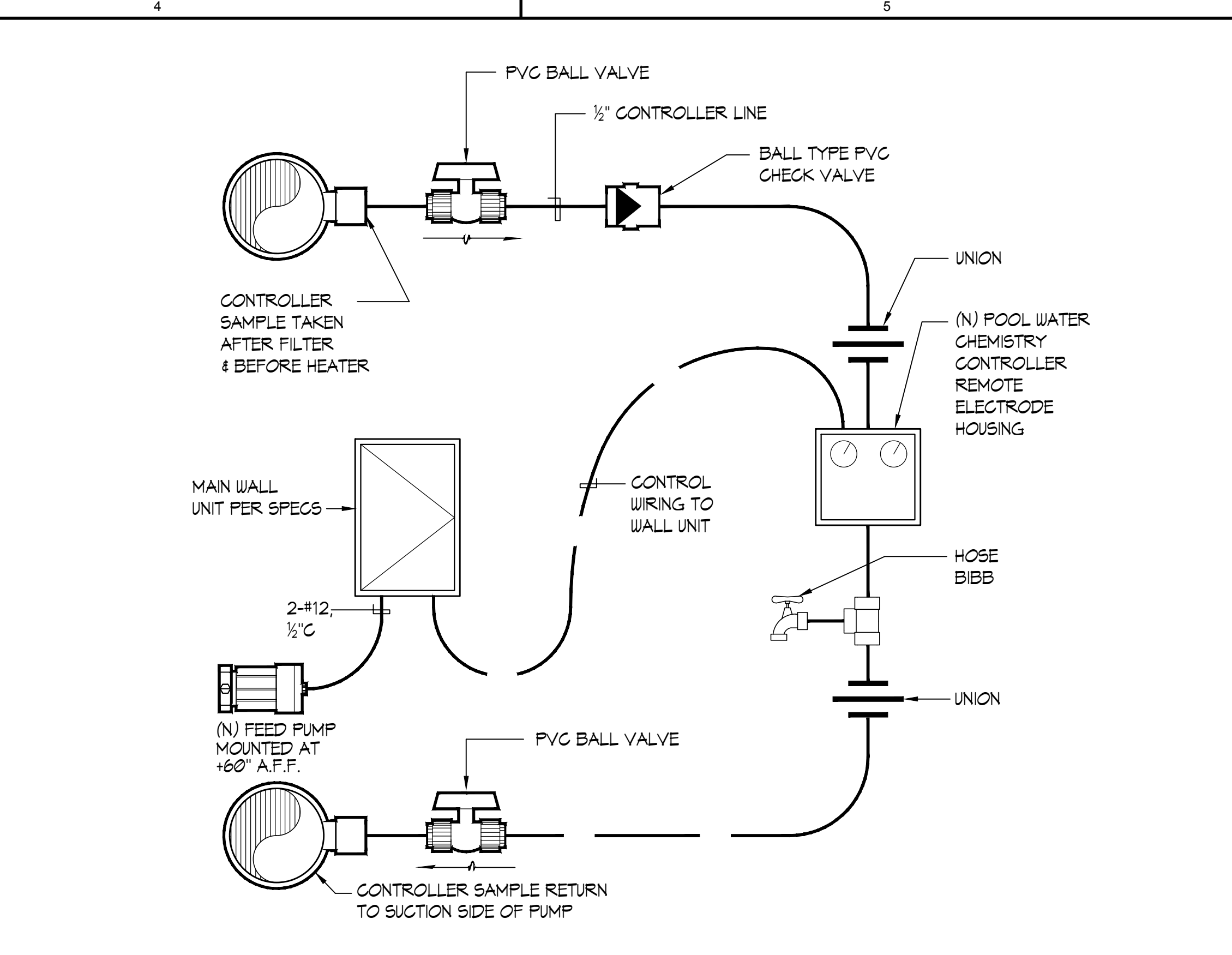
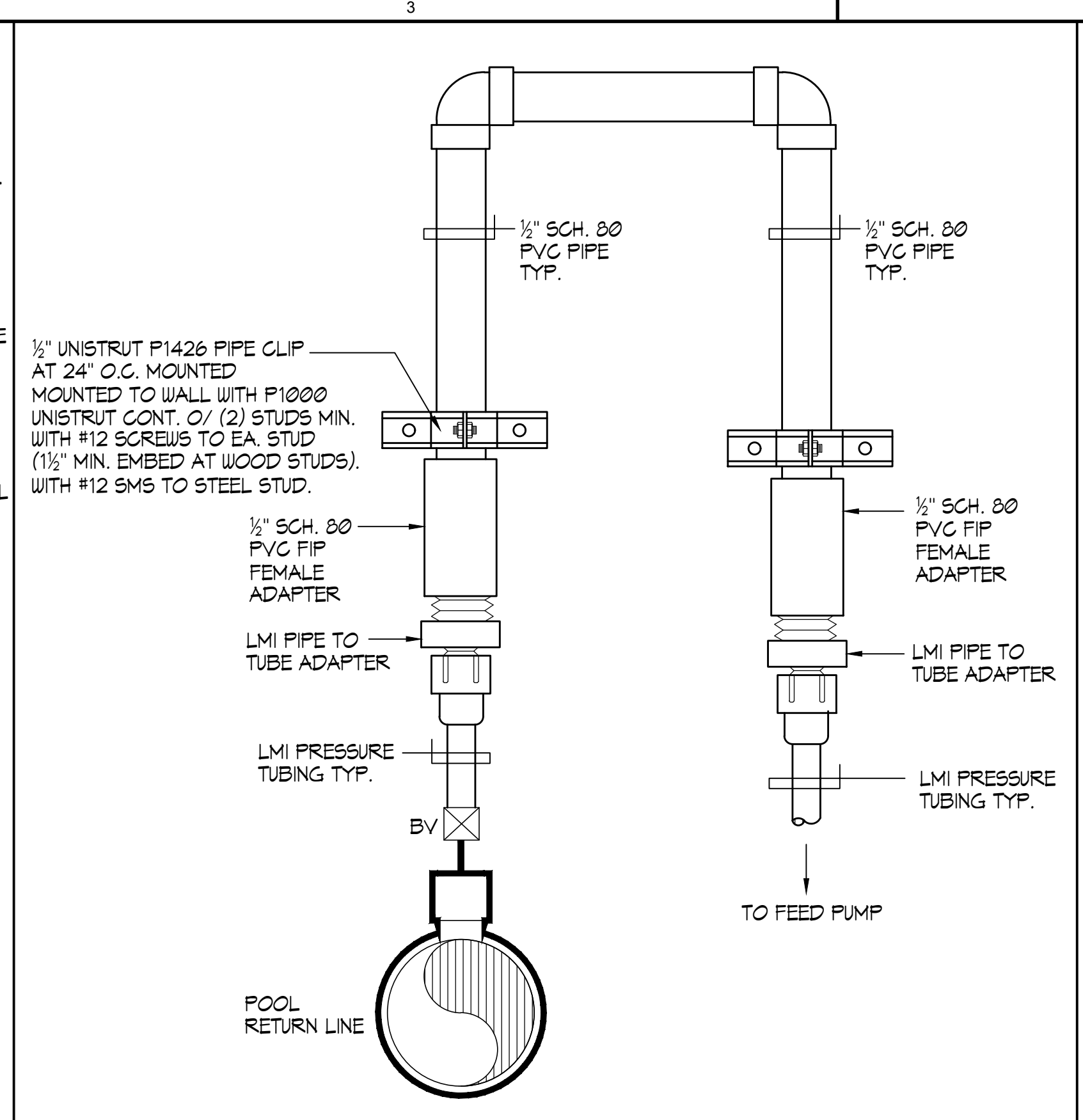
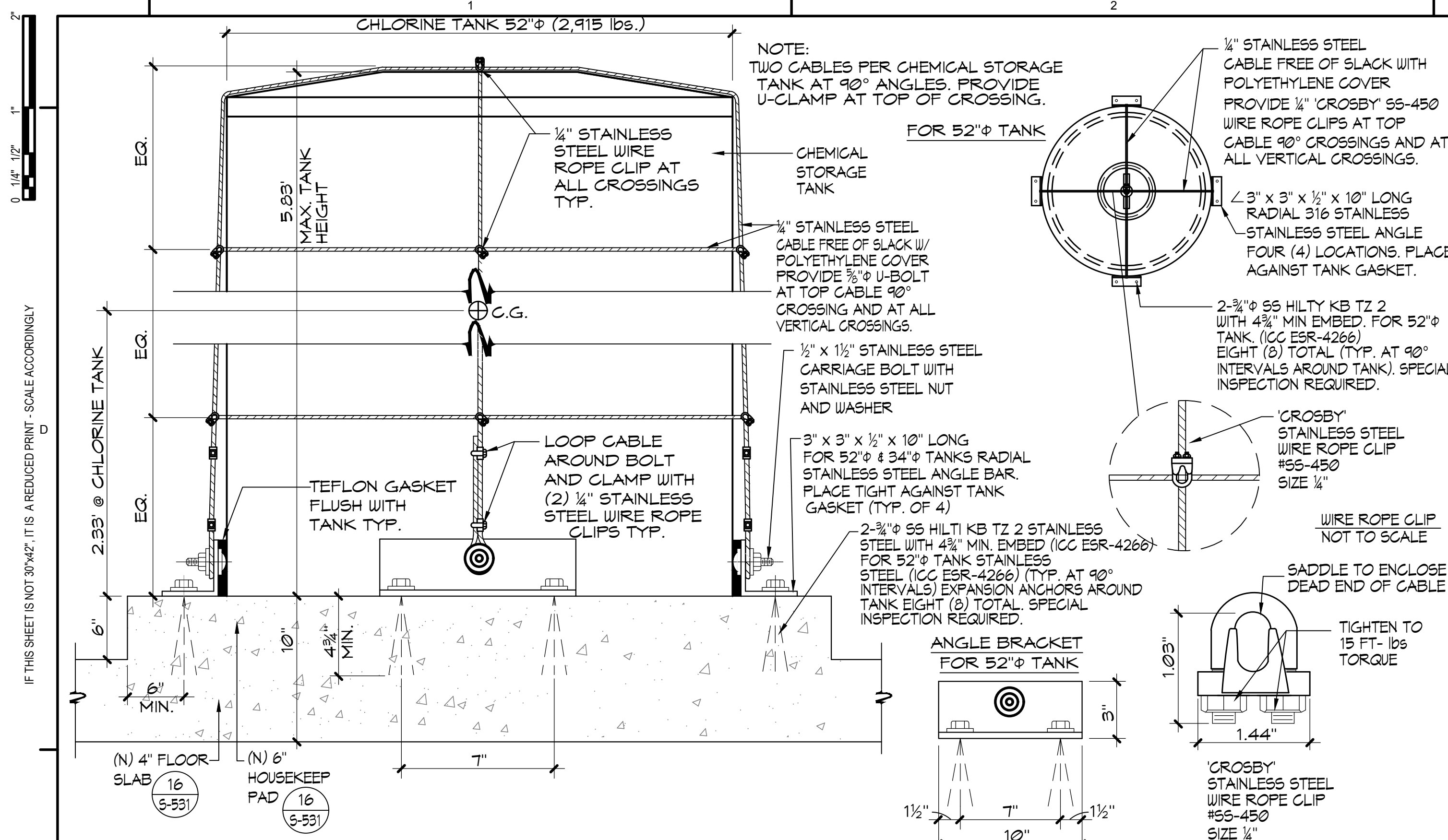


7 HAZARDOUS INFORMATION SIGNAGE
NO SCALE

SIGN SHALL BE POSTED AT ROOM ENTRANCE. SIGN SHALL BE NOT LESS THAN 8" IN HEIGHT AND INDICATE:
CAUTION - CARBON DIOXIDE GAS
VENTILATE THE AREA BEFORE ENTERING A HIGH CARBON DIOXIDE (CO2) GAS CONCENTRATION IN THIS AREA CAN CAUSE ASPHYXIA.

TITLE
DETAILS

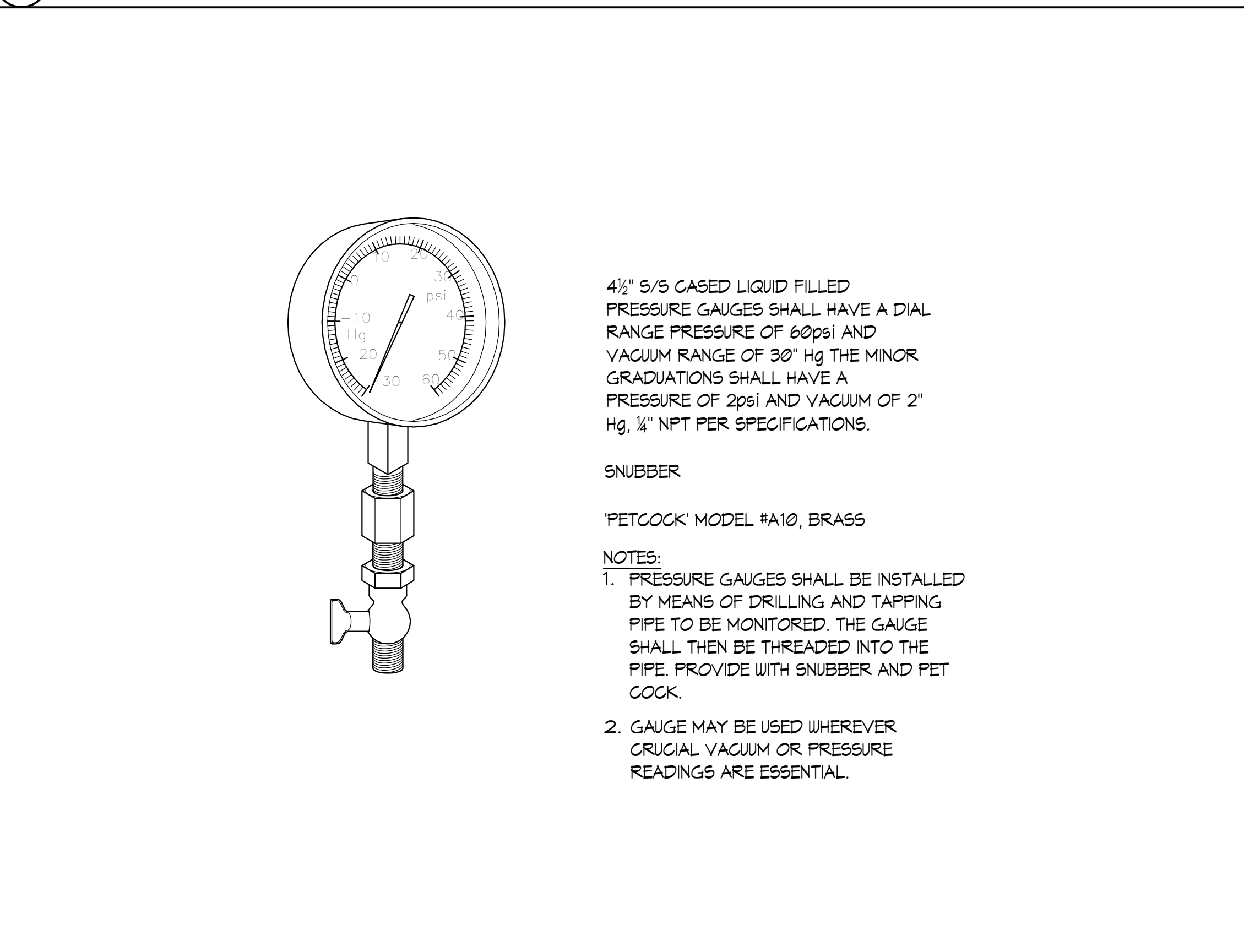
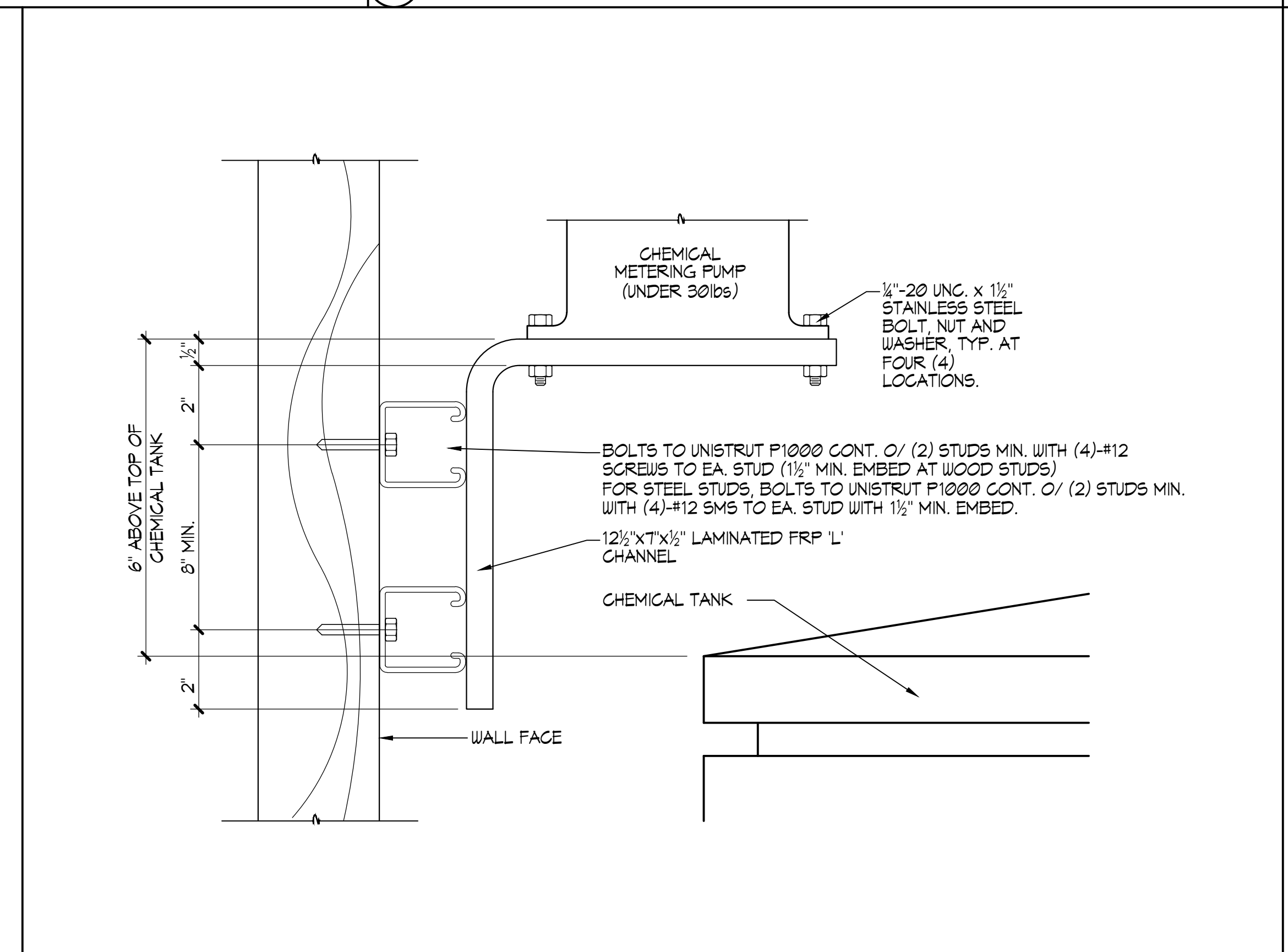
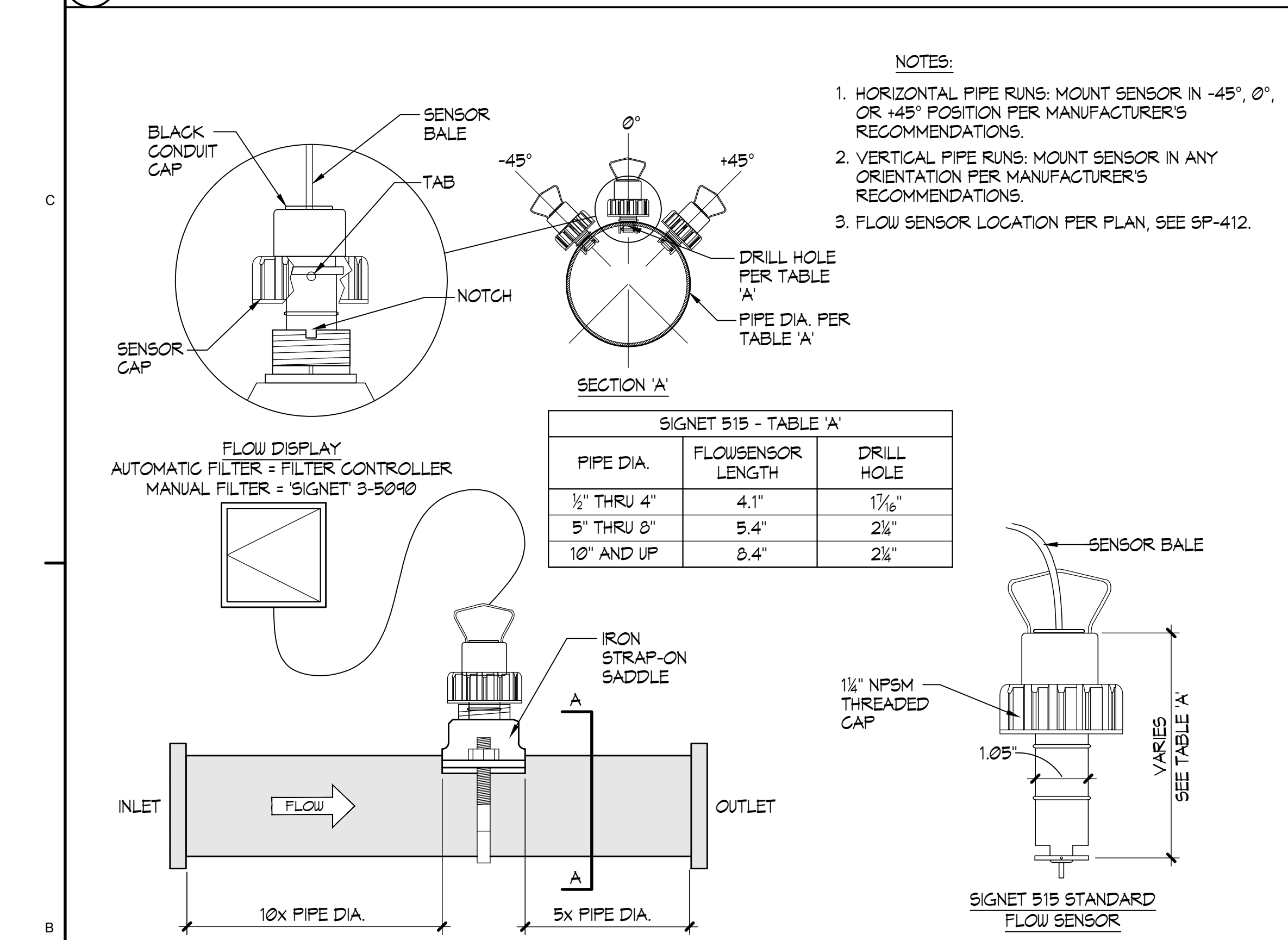
SHEET
SP-505



1 CHEMICAL TANK ANCHOR NO SCALE

2 CHEMICAL FEED PIPING DETAIL NO SCALE

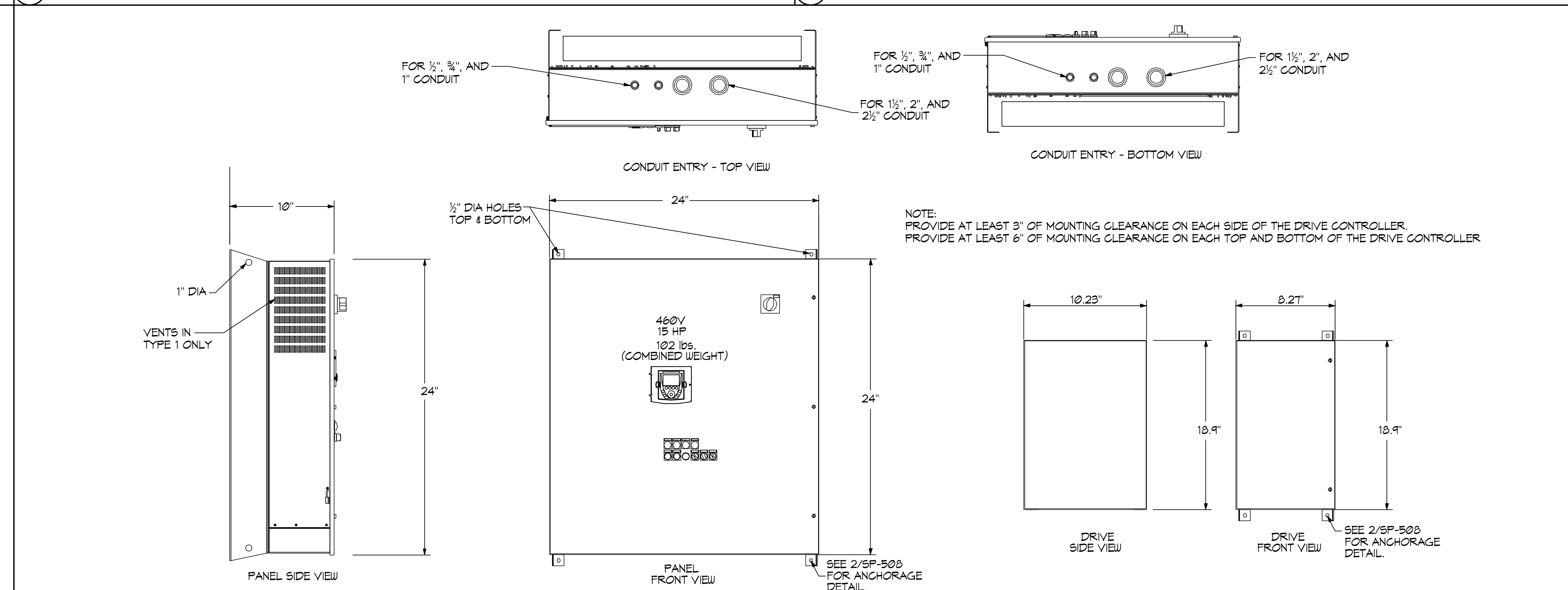
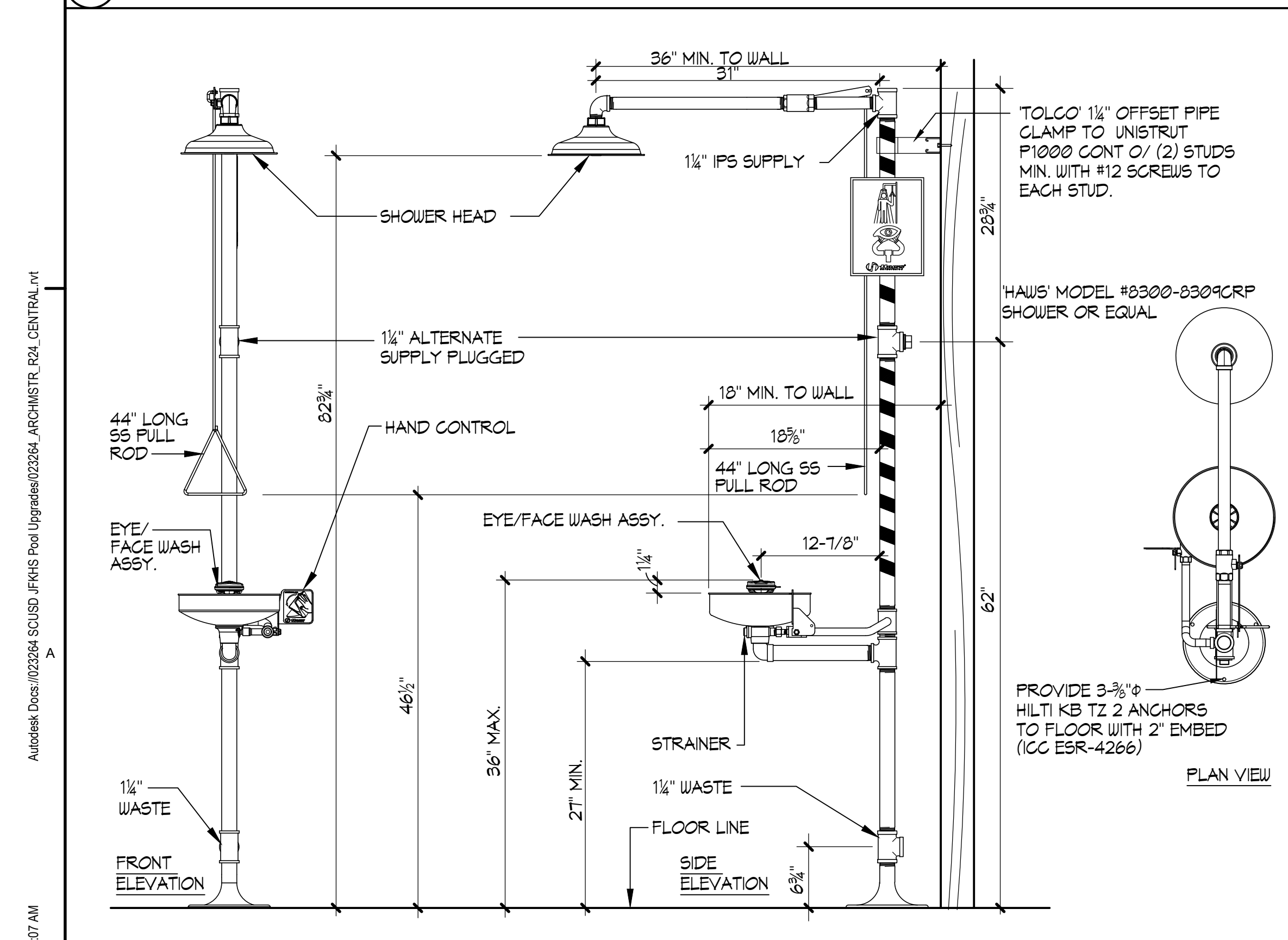
3 WATER CHEMISTRY CONTROLLER SCHEMATIC NO SCALE



4 SIGNET FLOWMETER NO SCALE

5 CHEMICAL PUMP SHELF 6'-1'-0"

6 PRESSURE/VACUUM GAUGE 6'-1'-0"



7 TYPICAL EYEWASH/SHOWER DETAIL NO SCALE

8 'SPCS' EKO-FLEX ENCLOSURE DIMENSIONS NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122170 INC.
REVIEWED FOR
SS FLS ACS
DATE: 05/09/2024

LIONAKIS

2025 Nineteenth Street
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PROJECT
JOHN F KENNEDY HIGH SCHOOL
SWIMMING POOL UPGRADE

6715 GLORIA DR
SACRAMENTO, CA 95831

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

| ISSUED | MARK | DATE | DESCRIPTION |
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| CLIENT PROJECT NO. | 700.00.007 |
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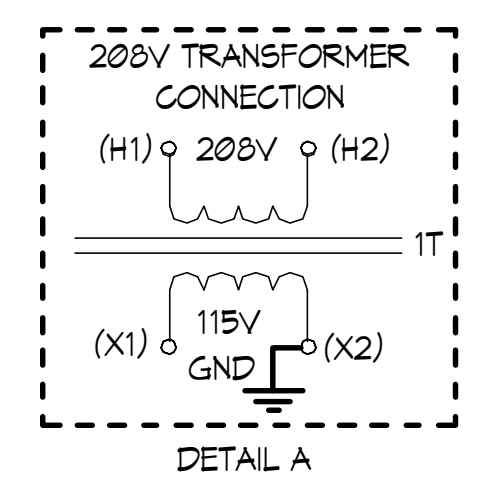
TITLE
DETAILS

SHEET
SP-506

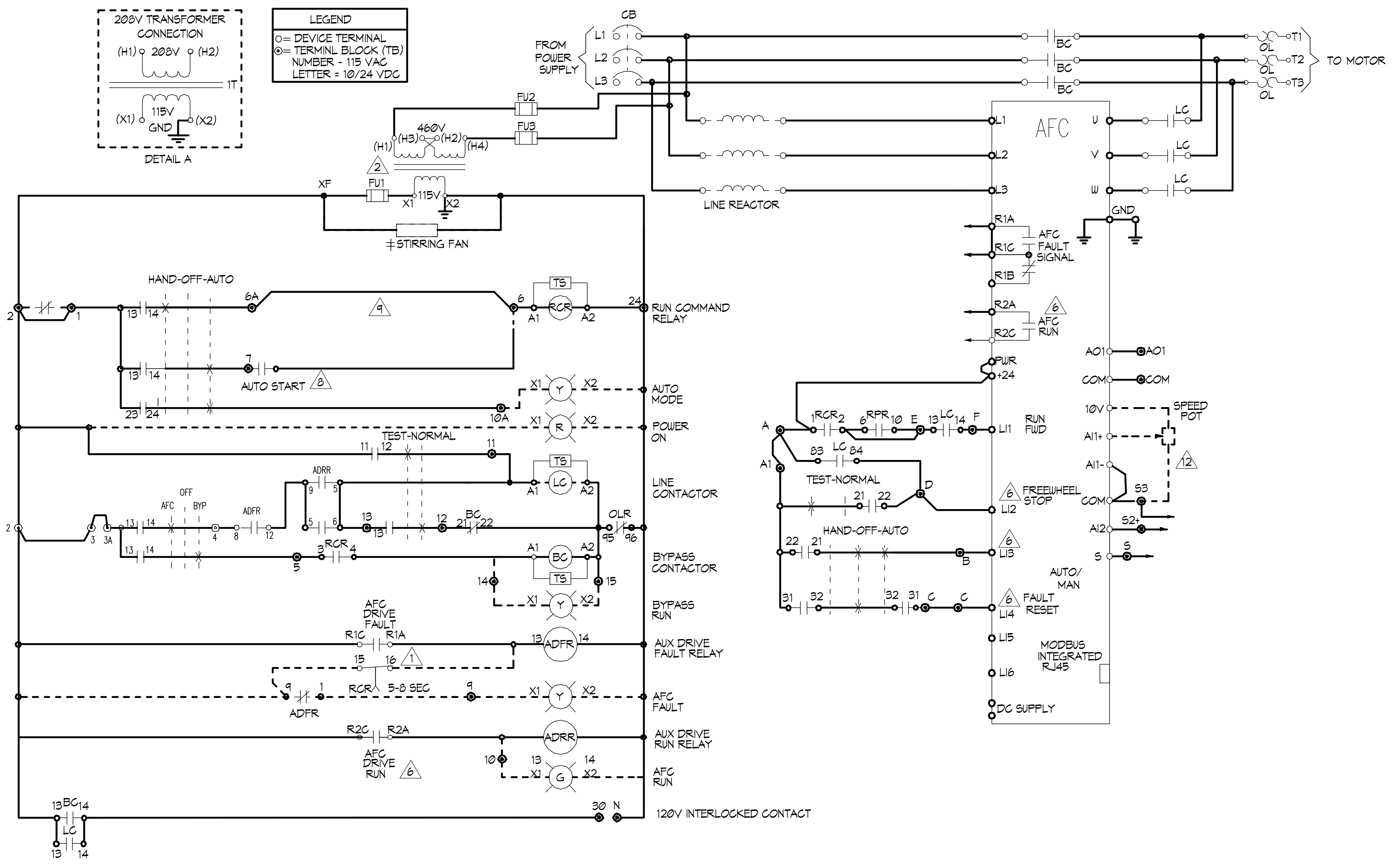
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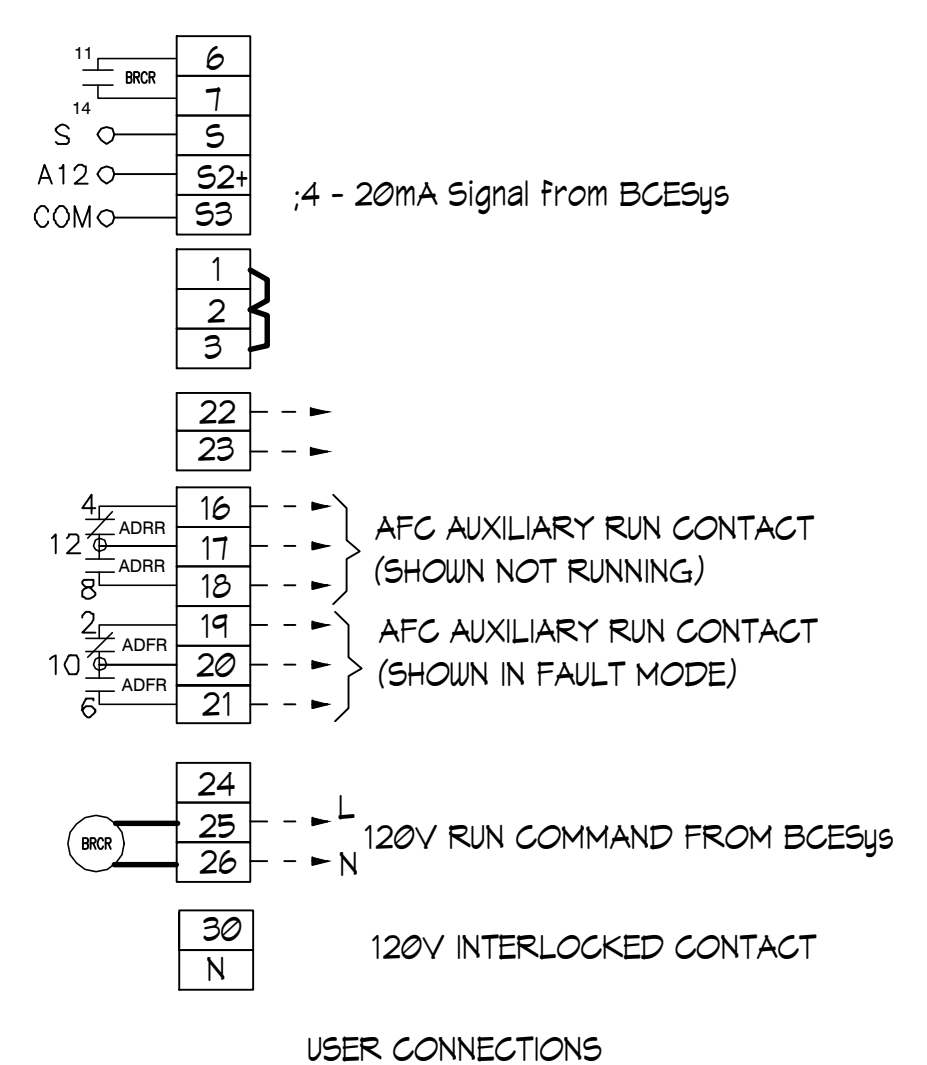


| LEGEND | |
|--------|---|
| ○ | = DEVICE TERMINAL |
| ⊙ | = TERMINAL BLOCK (TB) NUMBER - 115 VAC LETTER = 10/24 VDC |



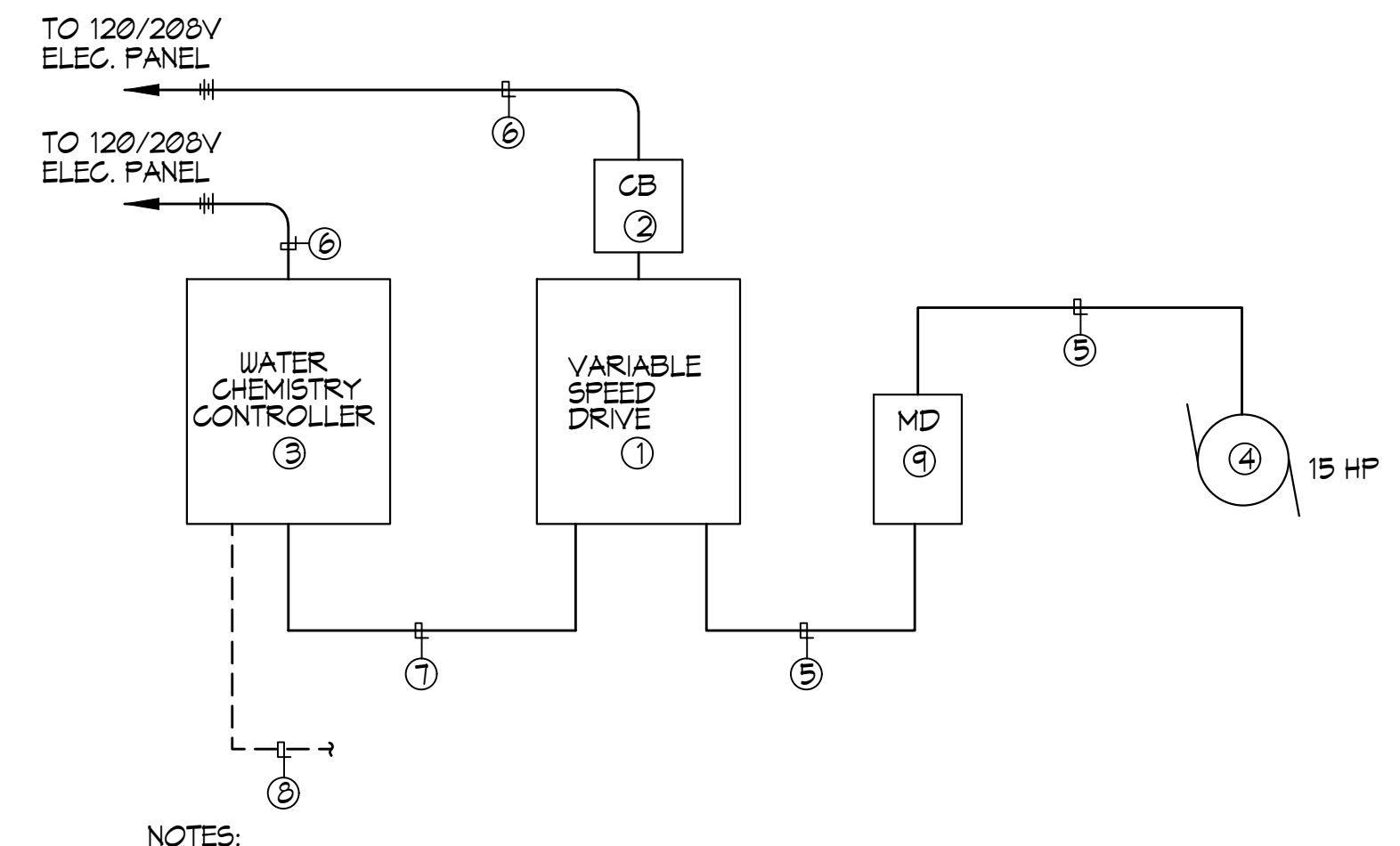
| EKO-FLEX ATV61 FACTORY CONFIGURATION | | | | | |
|--------------------------------------|-----|-------------------|---------------------------|------|------|
| MENU | No | SUB-MENU | DESCRIPTION | CODE | ADJ. |
| SIM | 1.1 | ---- | 2/3 WIRE CONTROL | tCC | 2C |
| SIM | 1.1 | ---- | PUMPS FANS | CFG | PhF |
| SIM | 1.1 | ---- | STANDARD MOT. FREQ. (HZ) | bFr | 60 |
| SIM | 1.1 | ---- | ACCELERATION (SEC) | ACC | 10 |
| SIM | 1.1 | ---- | DECELERATION (SEC) | dEC | 10 |
| SIM | 1.1 | ---- | LOW SPEED (HZ) | LSP | 3 |
| SIM | 1.3 | ---- | SWITCHING FREQ. (HZ) | SCF | 0 |
| I-O | 1.5 | ---- | 2 WIRE TYPE | tCt | LEL |
| I-O | 1.5 | A12 CONFIG. | A12 MIN. VALUE (mA) | Ch2 | 4 |
| I-O | 1.5 | R2 CONFIG. | R2 ASSIGN - DRIVE RUNNING | r2C | run |
| CLL | 1.6 | ---- | REF. 1 CHAN | FR1 | HMI |
| CLL | 1.6 | ---- | | FR1 | A11 |
| CLL | 1.6 | ---- | PROFILE | CHCF | SEP |
| FLN | 1.7 | STOP CONFIG. | FREEWHEEL STOP ASSIGN | mSt | LI2 |
| FLN | 1.7 | REFERENCE SWITCH | REF. 1B SWITCHING | rCb | LI3 |
| FLN | 1.7 | REFERENCE SWITCH | REF. 1B CHAN | Fr1b | A12 |
| FLI | 1.8 | FAULT RESET | FAULT RESET | rSF | LI4 |
| FLI | 1.8 | CATCH ON THE FLY | CATCH ON THE FLY | FLR | YES |
| FLI | 1.8 | OUTPUT PHASE LOSS | OUTPHASE LOSS | FDL | NO |
| COM | 1.9 | FORCED LOCAL | FORCED LOCAL ASSIGN. | FLI | LI4 |

| DESCRIPTION | TYPE 1 | TYPE 12K | TYPE 3R |
|-------------------|-----------------------------------|-----------------------------------|---------|
| ⊕ STIRRING FANS | 10-100 HP 460V, 1.5-50HP 208/230V | 10-100 HP 460V, 1.5-50HP 208/230V | NA |
| ⊕ VENTILATION FAN | NA | NA | ALL HP |
| ⊕ SPACE HEATER | NA | NA | ALL HP |



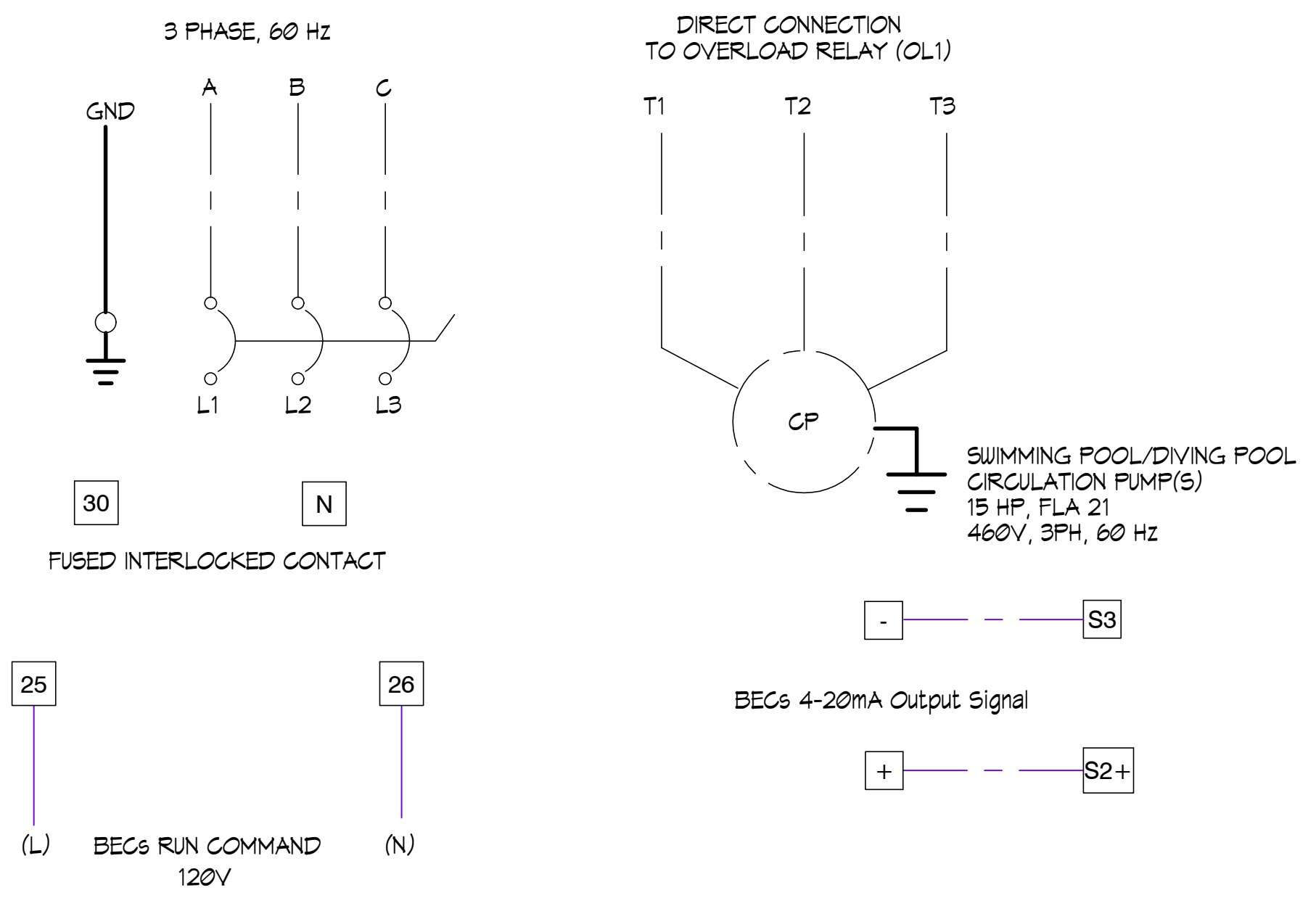
- NOTES:
- ① RCR TIMED CONTACT USED ONLY IF LINE CONTACTOR IS SUPPLIED
 - ② CONTROL TRANSFORMER SHOWN FOR 460V PRIMARY. FOR 230V PRIMARY, JUMPER H2-H3 IS
 - ③ PROGRAMMED I/O SEE CONTROLLER FUNCTION CONFIGURATION TABLE.
 - ④ BECS RUN COMMAND RELAY (BRGR)
 - ⑤ JUMPER USED WHEN START-STOP PUSH BUTTONS NOT USED.

'SPCS' EKO-FLEX VARIABLE FREQUENCY DRIVE SYSTEM SCHEMATIC NO SCALE

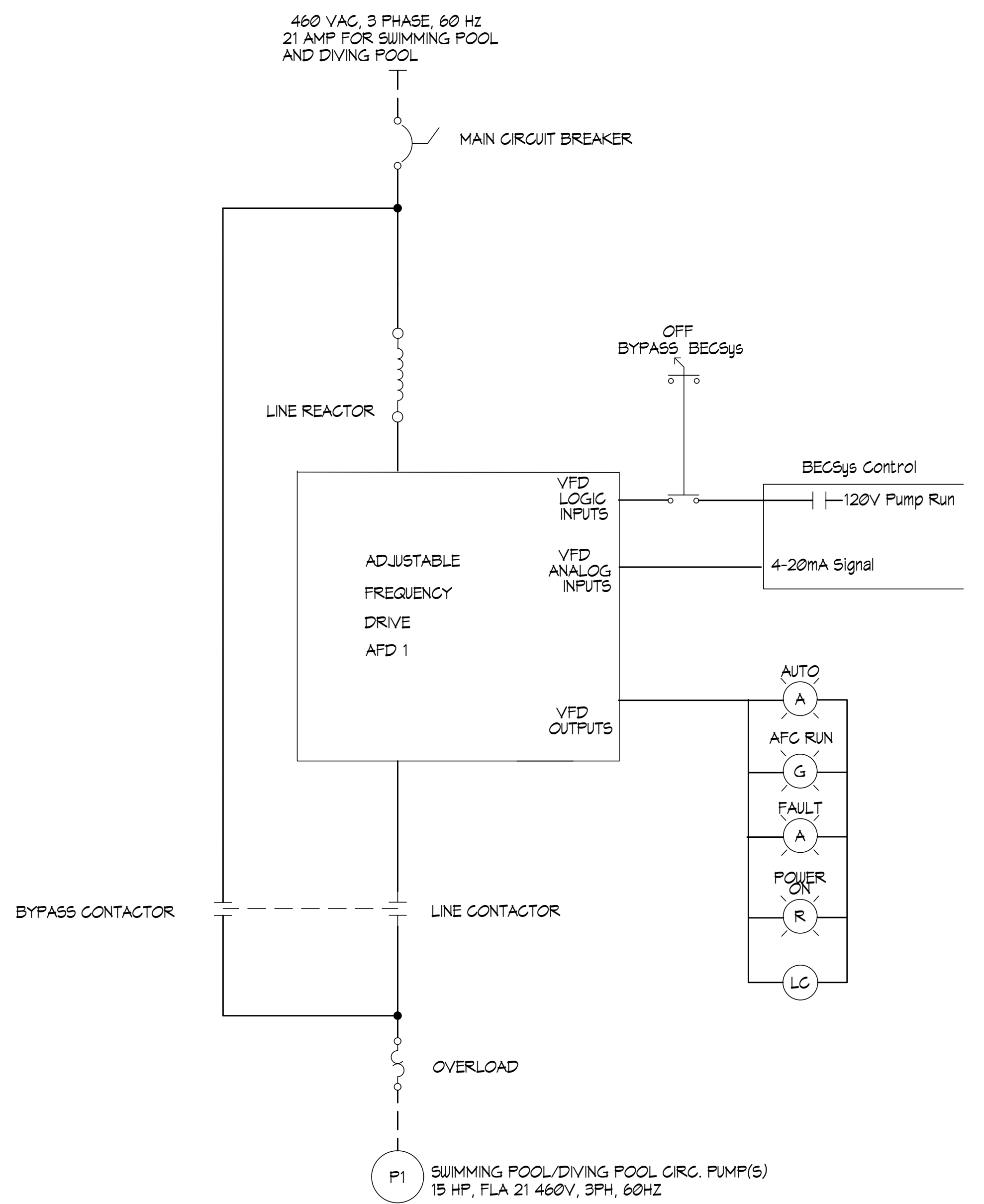


- NOTES:
- ① VARIABLE SPEED DRIVE MOTOR CONTROL CABINET, SEE PLANS AND SPECIFICATIONS.
 - ② ENCLOSED CIRCUIT BREAKER, SEE SINGLE LINE DIAGRAM.
 - ③ WATER CHEMISTRY/FILTER CONTROL UNIT, SEE PLANS.
 - ④ CONNECT TO CIRCULATION PUMP MOTOR, SEE PLANS.
 - ⑤ MOTOR FEEDERS, SEE SINGLE LINE DIAGRAM.
 - ⑥ 120 VOLT BRANCH CIRCUITS, SEE PLANS.
 - ⑦ 3/4", (4) #12, (1) #12 GND. (120 VOLT CONTROL WIRING)
 - ⑧ 24 VOLT SIGNAL AND SENSOR CABLING, SEE SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS.
 - ⑨ MOTOR DISCONNECT, SEE PLANS.

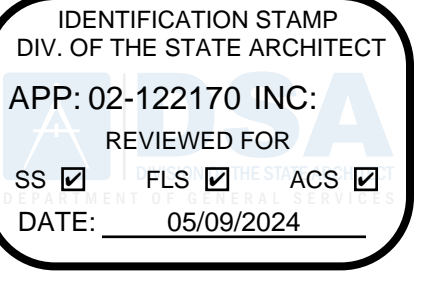
② TYPICAL WIRING SCHEMATIC AT SPCS UNIT NO SCALE



③ 'SPCS' EKO-FLEX FIELD CONNECTION DIAGRAM NO SCALE



④ 'SPCS' EKO-FLEX SINGLE LINE DIAGRAM NO SCALE



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SHEET
SP-507

0.18" = 1"

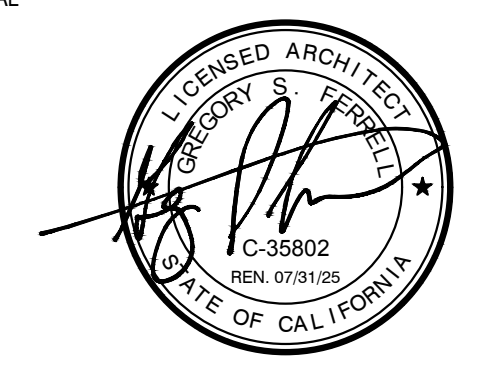
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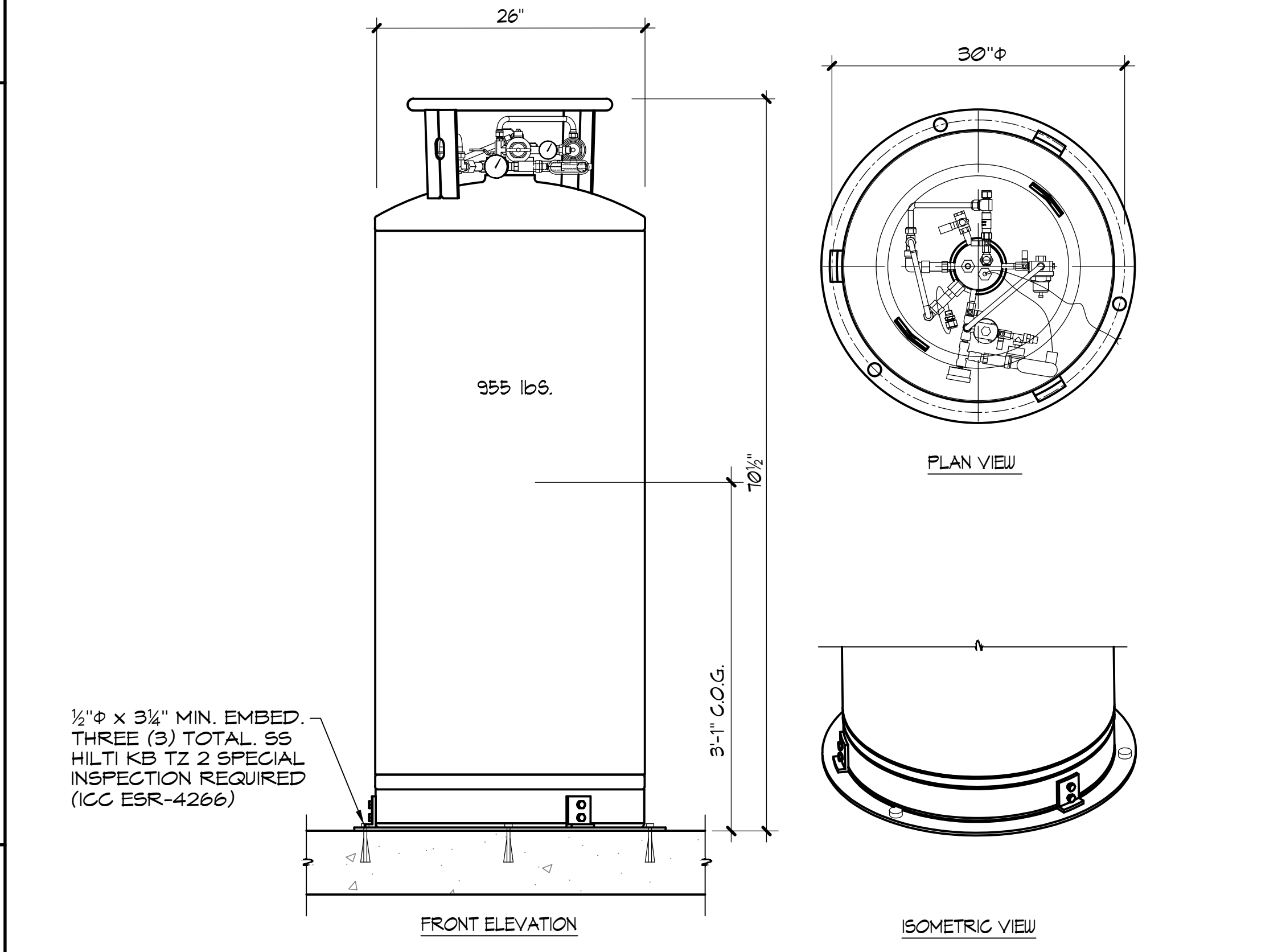
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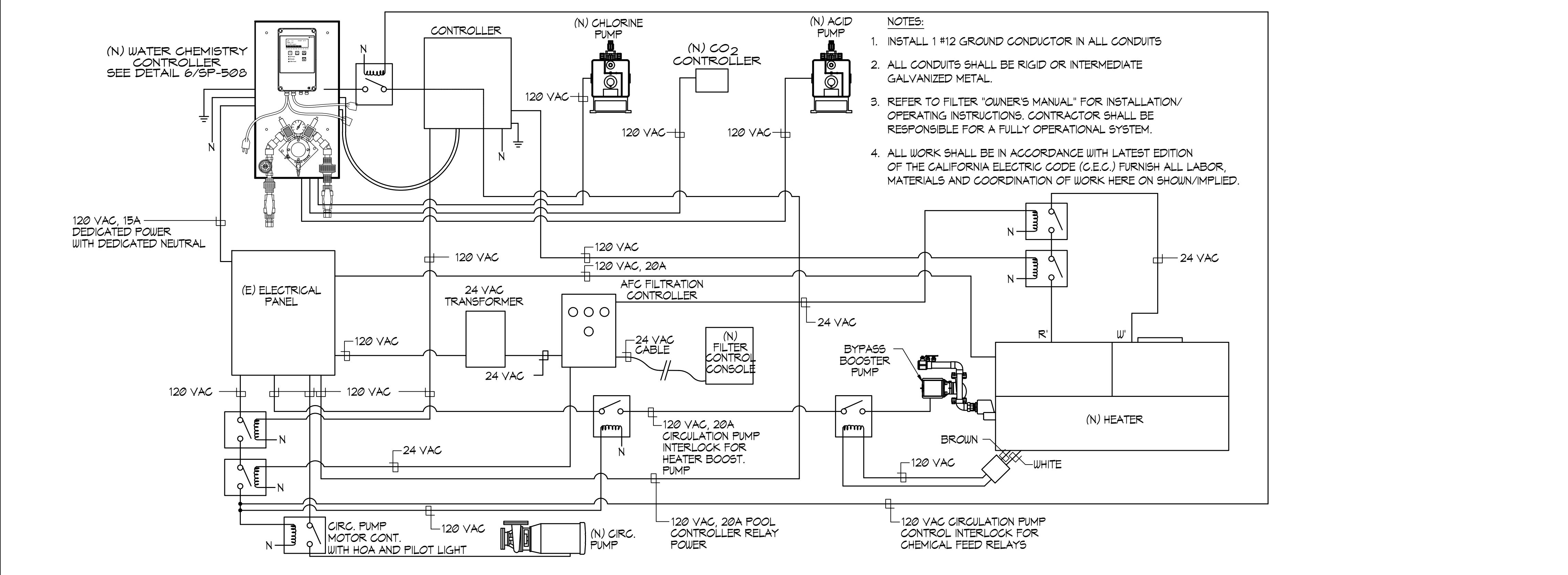
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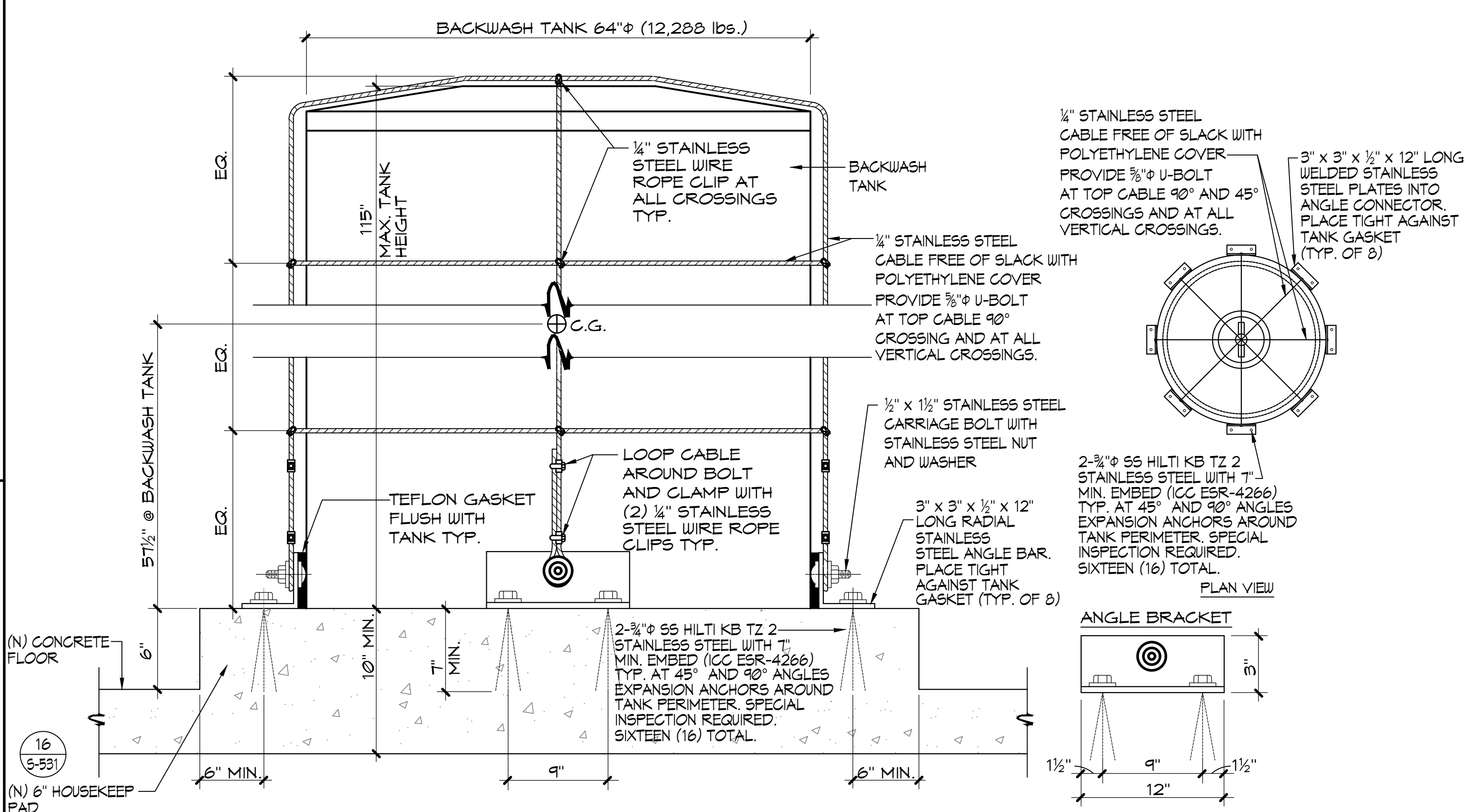
SHEET
SP-509



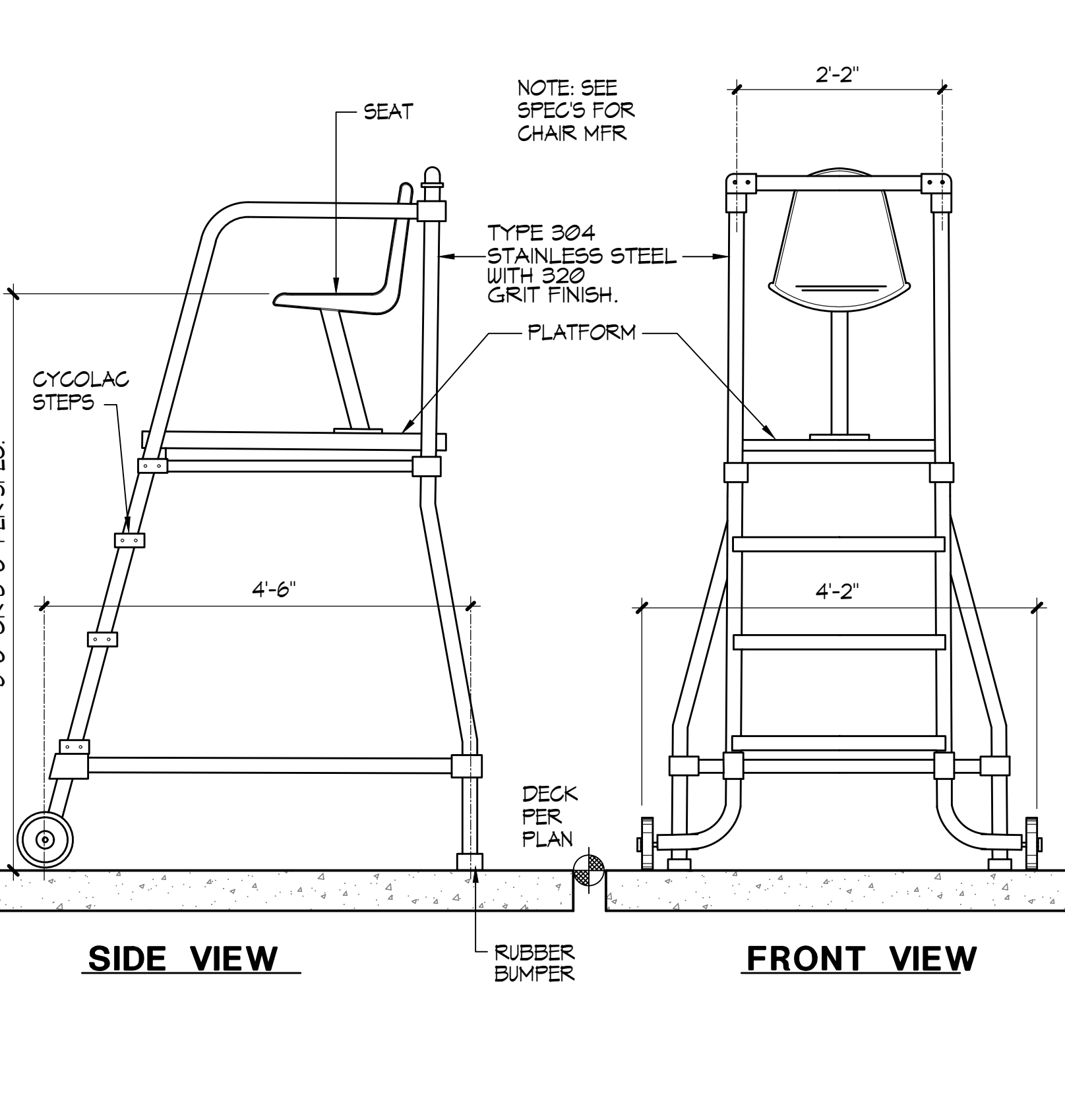
1 CO2 TANK ANCHORAGE DETAIL NO SCALE



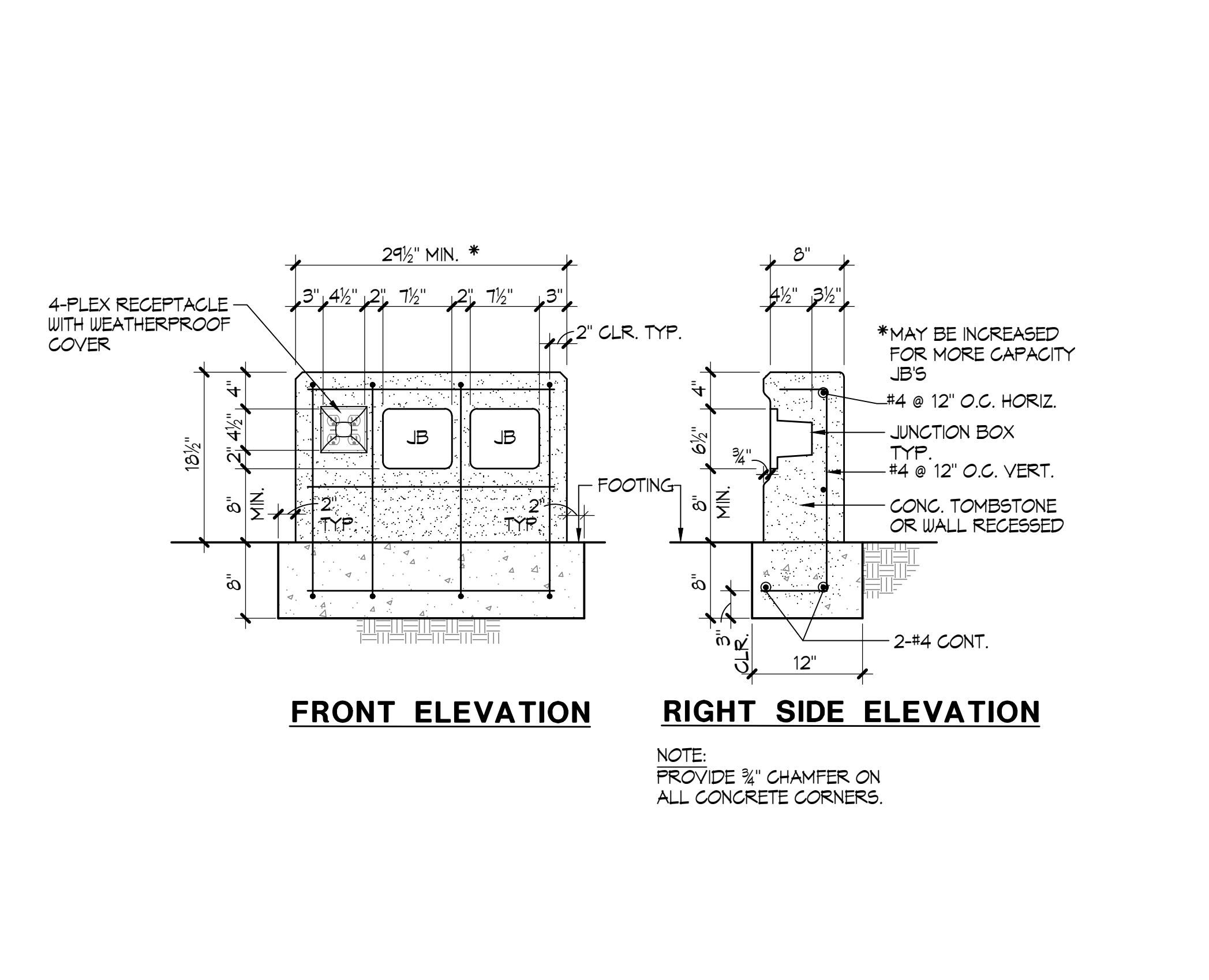
2 POOL MECHANICAL ELECTRICAL INTERCONNECTION DIAGRAM NO SCALE



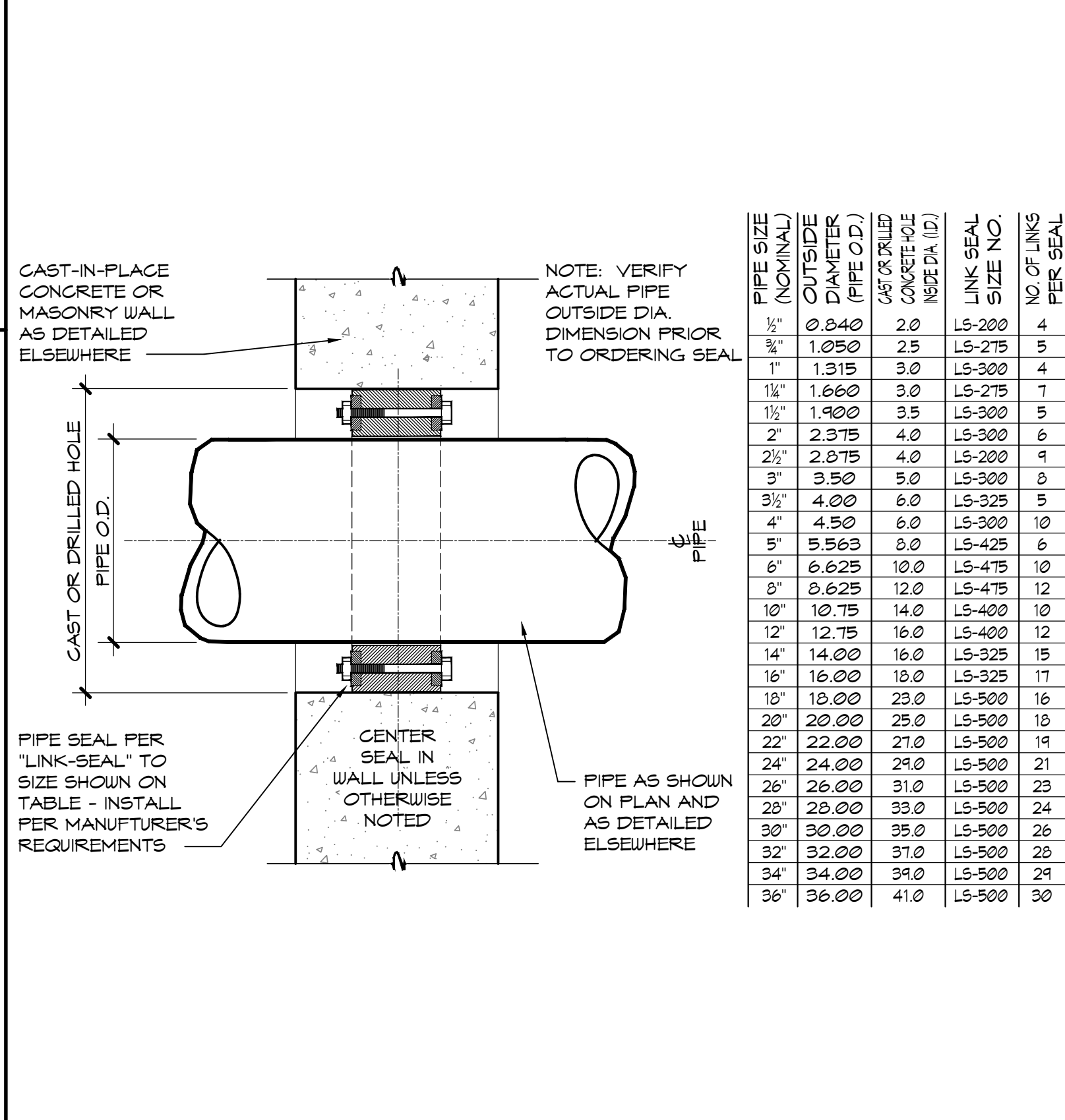
3 BACKWASH TANK ANCHOR NO SCALE



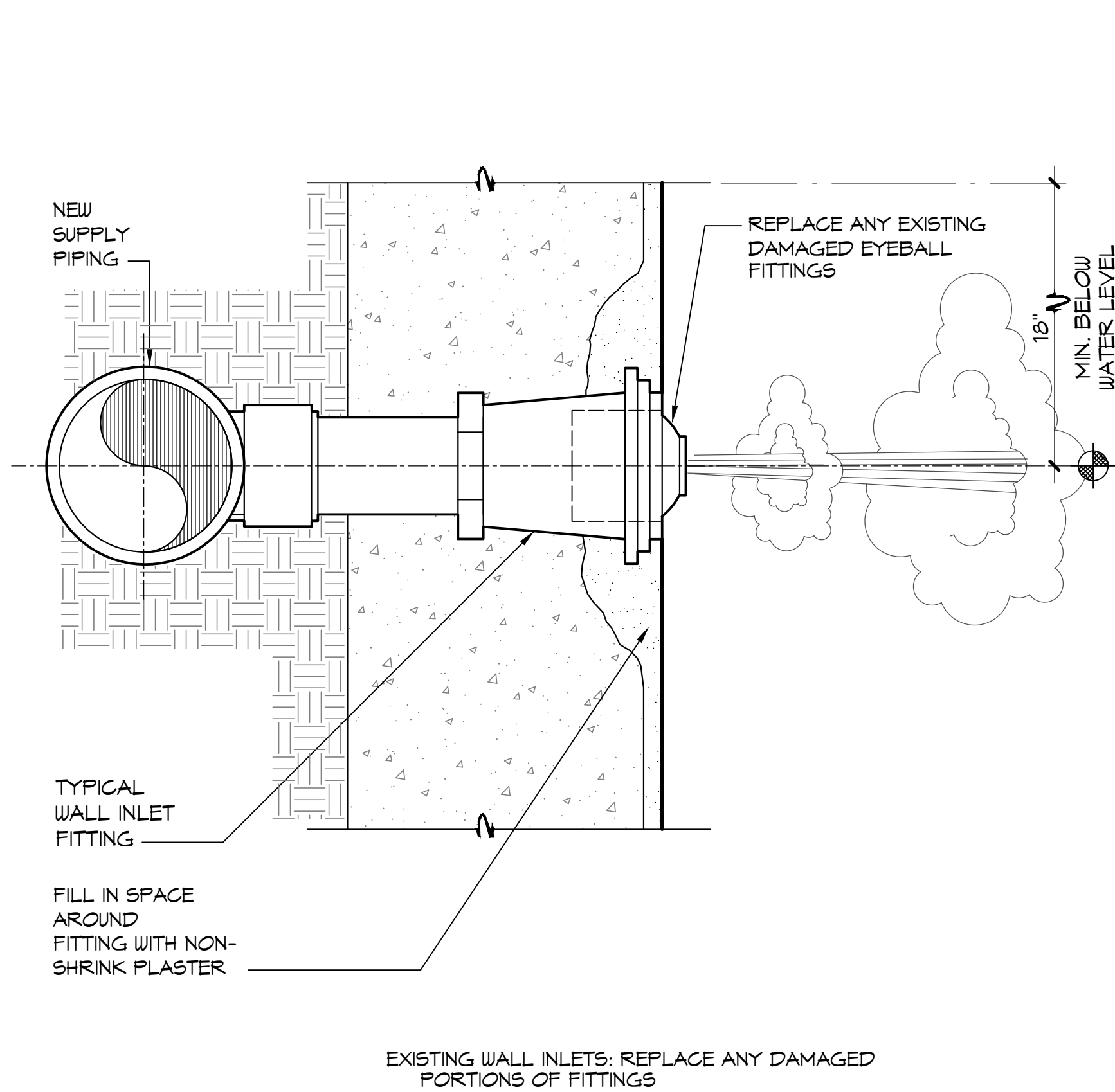
4 MOVEABLE LIFEGUARD CHAIR 3/8" = 1'-0"



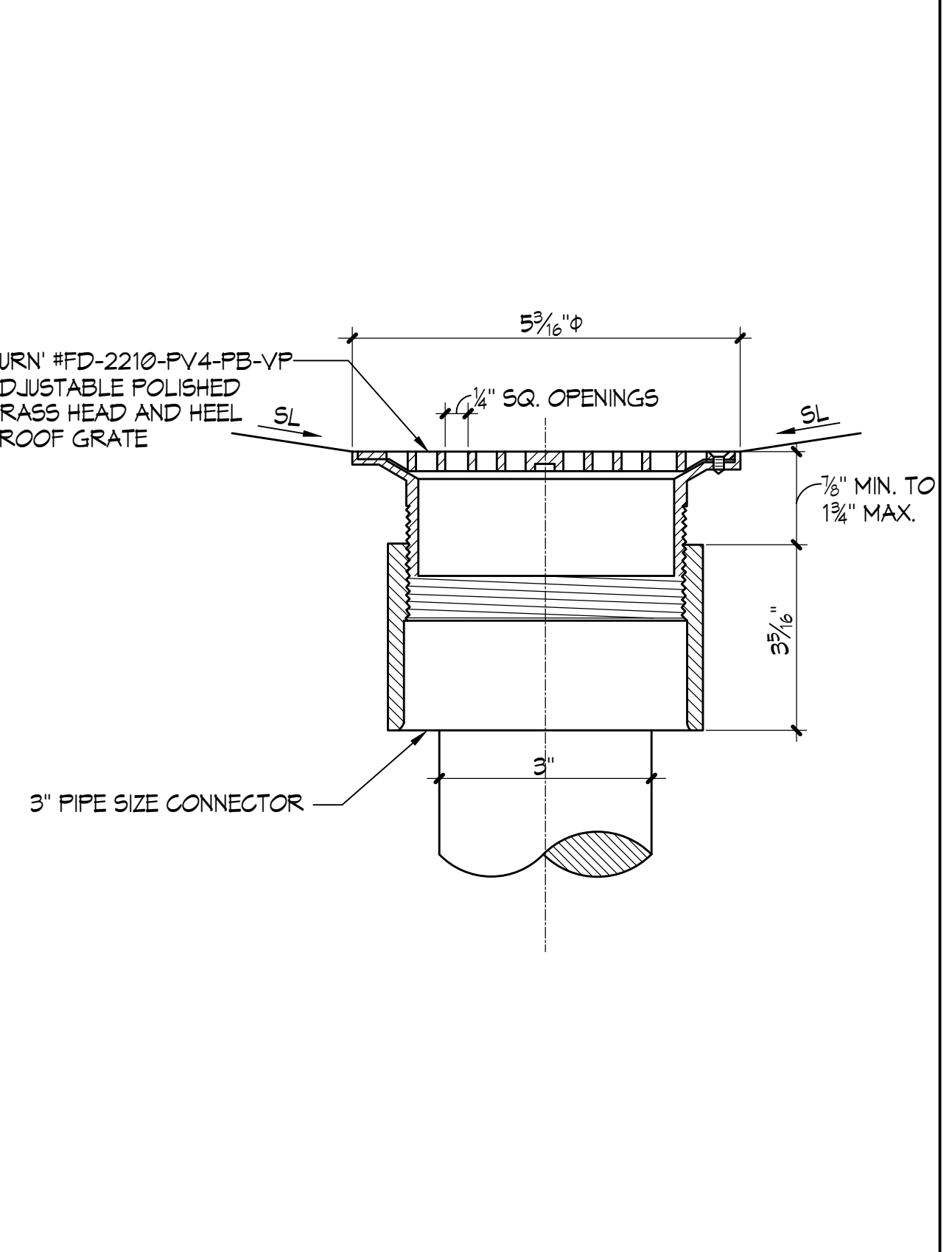
5 UNDERWATER LIGHT JUNCTION BOX CONCRETE SURROUND DETAIL 1" = 1'-0"



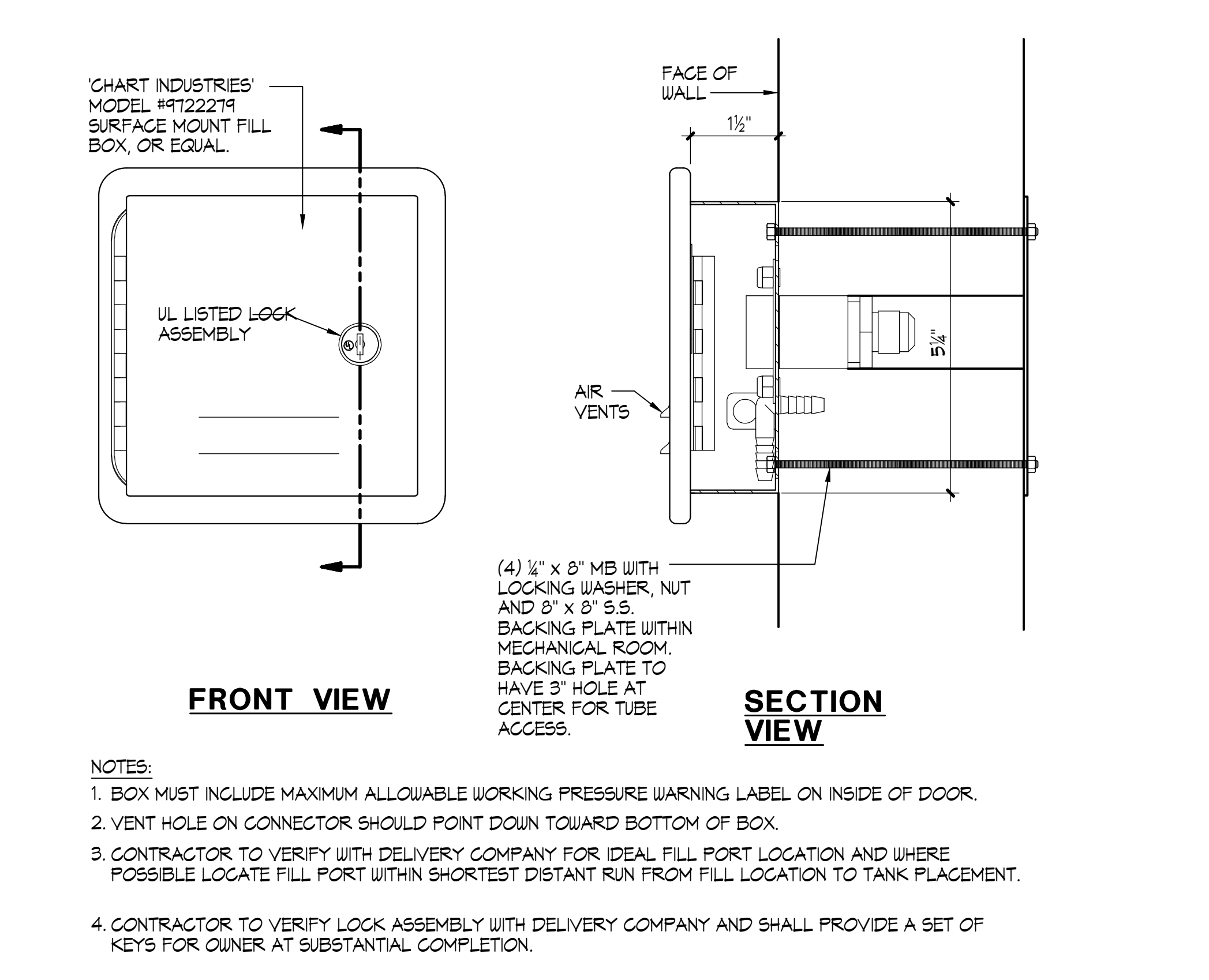
6 PIPE SEAL TO WALL / FLOOR NO SCALE



7 WALL INLET NO SCALE



8 DECK AREA DRAIN 1/2" = 1'



9 CO2 SURFACE MOUNT FILL BOX 6" = 1'-0"

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