

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

DSA A#: 04-124464  
FILE #: 36-C1  
9400 CHERRY AVENUE, FONTANA, CA 92335



CODE AND STANDARDS	PROJECT SCOPE OF WORK	STATEMENT OF GENERAL CONFORMANCE	PROJECT DIRECTORY	SHEET INDEX
<p><b>APPLICABLE CODES</b></p> <p>2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CSR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</p> <p><b>APPLICABLE STANDARDS</b></p> <p>FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80</p>	<p><b>SCOPE OF WORK INCLUDES:</b></p> <ol style="list-style-type: none"><li>CONSTRUCTION OF A 4,200 SF ENGINEERED METAL WELDING SHOP</li><li>BUILDING WITH A FACILITY OFFICE AND TWO (2) TOILET ROOMS</li><li>CONSTRUCTION OF AN OUTDOOR WELDING YARD AND COVERED/SCREENED SERVICE YARD &amp; TRASH ENCLOSURE</li><li>CONSTRUCTION OF SITEWORK TO INCLUDE REVISIONS TO EXISTING PARKING AREA, SECURITY SCREEN WALLS, GARDEN SCREEN WALLS, GATES AND A PATH TO AN ENTRANCE AT THE RIGHT OF WAY.</li><li>ELECTRICAL UTILITY, WATER UTILITY, SEWER, AND GAS UTILITY TO SERVICE THE SHOP BUILDING</li></ol> <p><b>CFC SECTION 3503 GENERAL REQUIREMENTS SHALL BE FOLLOWED FOR THIS BUILDING.</b></p> <p>3503.1 GENERAL HOT WORK CONDITIONS AND OPERATIONS SHALL COMPLY WITH THIS CHAPTER</p> <p>3503.2 TEMPORARY AND FIXED HOT WORK AREAS TEMPORARY AND FIXED HOT WORK AREAS SHALL COMPLY WITH THIS SECTION.</p> <p>3503.3 HOT WORK PROGRAM PERMIT HOT WORK PERMITS, ISSUED BY AN APPROVED RESPONSIBLE PERSON UNDER A HOT WORK PROGRAM, SHALL BE AVAILABLE FOR REVIEW BY THE FIRE CODE OFFICIAL AT THE TIME THE WORK IS CONDUCTED AND FOR 48 HOURS AFTER WORK IS COMPLETE.</p> <p>3503.4 QUALIFICATIONS OF OPERATORS A PERMIT FOR HOT WORK OPERATION SHALL NOT BE ISSUED UNLESS THE INDIVIDUALS IN CHARGE OF PERFORMING SUCH OPERATIONS ARE CAPABLE OF PERFORMING SUCH OPERATIONS SAFELY.</p> <p>3503.5 RECORDS THE INDIVIDUAL RESPONSIBLE FOR THE HOT WORK AREA SHALL MAINTAIN "PREWORK CHECK" REPORTS IN ACCORDANCE WITH SECTION 3504.3.1. SUCH REPORTS SHALL BE MAINTAINED ON THE PREMISES FOR NOT LESS THAN 48 HOURS AFTER WORK IS COMPLETE.</p> <p>3503.6 SIGNAGE VISIBLE HAZARD IDENTIFICATIONS SIGNS SHALL BE PROVIDED WHERE REQUIRED BY CHAPTER 50. WHERE THE HOT WORK AREA IS OPEN TO PERSONS OTHER THAN THE OPERATOR OF THE HOT WORK EQUIPMENT, CONSPICUOUS SIGNS SHALL BE POSTED TO WARN OTHERS BEFORE THEY ENTER THE HOT WORK AREA. SUCH SIGNS SHALL BE DISPLAY THE FOLLOWING WARNING: CAUTION HOT WORK IN PROGRESS STAY CLEAR</p>	<p>APPLICATION No.: 04-124464 FILE No.: 36-C1</p> <p>THE DRAWINGS IDENTIFIED AS FOLLOWS:</p> <p><input checked="" type="checkbox"/> ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE</p> <p><input checked="" type="checkbox"/> DRAWING SHEETS DENOTED IN THE SHEET INDEX AS FOLLOWS:</p> <p><input checked="" type="checkbox"/> DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S):</p> <p>HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS (PLANS) IN THIS STATE. THEY HAVE BEEN EXAMINED BY ME FOR:</p> <ol style="list-style-type: none"><li>DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATORS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND</li><li>COORDINATION WITH MY DRAWINGS (PLANS) AND SPECIFICATIONS IS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.</li></ol> <p>PER TITLE 24, PART 1, SECTION 4-316(B), THIS 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.</p> <p>SIGNATURE: MICHAEL STEPHENS DATE: 04/28/2025</p> <p>PRINT NAME: MICHAEL STEPHENS LICENSE NUMBER: C 26450 EXPIRATION DATE: 05/31/2025</p>	<p><b>CIVIL:</b> NAME: SILVER BAR STUDIO ADDRESS: P.O. BOX 5008-373, MARIPOSA, CA 95338 PHONE: 714-528-5107 CONTACT: CRAIG DUNCAN EMAIL: CRAIG@SILVERBARSTUDIO.COM</p> <p><b>LANDSCAPE:</b> NAME: SGH ARCHITECTS ADDRESS: 707 BROOKSIDE AVE, REDLANDS, CA, 92373 PHONE: 909-375-3030 CONTACT: MICHAEL STEPHENS EMAIL: MSTEPHENS@SGHARCH.COM</p> <p><b>STRUCTURAL:</b> NAME: MIYAMOTO ADDRESS: 1047 WEST SIXTH STREET, SUITE A, ONTARIO, CA, 91762 PHONE: 916-384-6620 CONTACT: RICK BYRD EMAIL: RBYRD@MIYAMOTOINTERNATIONAL.COM</p> <p><b>MECHANICAL:</b> NAME: DCGA ENGINEERS ADDRESS: 4750 EAST ONTARIO MILLS PARKWAY, ONTARIO, CA 91764 PHONE: 909-987-0017 CONTACT: TONY RAMIREZ EMAIL: TONY.RAMIREZ@DCGAENGINEERS.COM</p> <p><b>ELECTRICAL:</b> NAME: DCGA ENGINEERS ADDRESS: 4750 EAST ONTARIO MILLS PARKWAY, ONTARIO, CA 91764 PHONE: 909-987-0017 CONTACT: TONY RAMIREZ EMAIL: TONY.RAMIREZ@DCGAENGINEERS.COM</p>	<p><b>GENERAL</b></p> <p>G0.00 TITLE SHEET G0.02 SYMBOLS AND ABBREVIATIONS G1.10 SITE PLAN - CAMPUS G1.11 SITE PLAN - ACCESSIBILITY SITE PLAN G1.12 SITE PLAN - FIRE AUTHORITY G2.11 CODE ANALYSIS - ALLOWABLE HEIGHT, AREA AND PLUMBING FIXTURE COUNTS</p> <p><b>CIVIL</b></p> <p>C-1.1 TITLE SHEET C-2.1 TOPOGRAPHIC MAP C-3.1 PRECISE GRADING PLAN C-4.1 COMPOSITE UTILITIES PLAN C-5.1 HORIZONTAL CONTROL C-6.1 DETAIL SHEET C-6.2 DETAIL SHEET C-6.3 DETAIL SHEET</p> <p><b>LANDSCAPE</b></p> <p>L1.00 COVER SHEET L1.01 IRRIGATION PLAN L2.01 IRRIGATION DETAILS L2.02 PLANTING PLAN L2.02 TREE SHADING PLAN</p> <p><b>ARCHITECTURAL</b></p> <p>A1.01 SITE PLAN - DEMOLITION A1.11 SITE PLAN A1.31 SITE PLAN - ENLARGED PLANS A1.32 SITE PLAN - ENLARGED PLANS A2.11 SLAB PLAN A2.21 FLOOR PLAN A3.11 REFLECTED CEILING PLAN A3.12 REFLECTED CEILING PLAN - NORTH A4.11 ROOF PLAN A5.11 EXTERIOR ELEVATIONS A6.11 SECTIONS - OVERALL BUILDING A6.31 SECTIONS - WALL A7.11 ENLARGED PLAN &amp; INTERIOR ELEVATIONS A8.11 INTERIOR ELEVATIONS A8.11 SCHEDULE - DOORS, FRAMES, AND WINDOW SCHEDULES A9.31 SCHEDULE - FINISHES A10.11 DETAILS - SITE A10.12 DETAILS - GATES A10.21 DETAILS - EXTERIOR WALL A10.28 DETAILS - OPENINGS A10.41 DETAILS - ROOF PARTITION A10.51 DETAILS - INTERIOR PARTITIONS A10.91 DETAILS - MISCELLANEOUS A10.92 DETAILS - MISCELLANEOUS</p> <p><b>STRUCTURAL</b></p> <p>S0.01 GENERAL NOTES S0.03 GENERAL MATERIAL NOTES S0.11 TYPICAL FOUNDATION &amp; SOCS DETAILS S0.13 TYPICAL CONCRETE DETAILS S0.21 TYPICAL MASONRY DETAILS S0.31 TYPICAL STRUCTURAL STEEL DETAILS S0.32 TYPICAL STRUCTURAL STEEL DETAILS S0.41 TYPICAL METAL DECK DETAILS S0.43 TYPICAL HANGERS AND BRACING DETAILS S0.51 TYPICAL COLD-FORMED STEEL DETAILS S0.52 TYPICAL INTERIOR COLD-FORMED STEEL DETAILS S0.53 TYPICAL EXTERIOR COLD-FORMED STEEL DETAILS S2.01 FOUNDATION PLAN S2.02 ROOF FRAMING PLAN S5.01 DETAILS S5.02 DETAILS</p> <p><b>MECHANICAL</b></p> <p>M0.01 MECHANICAL GENERAL NOTES, ABBREVIATIONS &amp; SYMBOLS M0.02 MECHANICAL SCHEDULES M0.03 MECHANICAL DETAILS M2.21 MECHANICAL FLOOR PLAN M3.21 MECHANICAL ROOF PLAN M4.01 TITLE 24 M4.02 TITLE 24 M4.03 TITLE 24 M4.04 TITLE 24</p> <p><b>PLUMBING</b></p> <p>P0.01 PLUMBING GENERAL NOTES P0.02 PLUMBING SCHEDULES AND DETAILS P2.21 PLUMBING PLAN P3.21 PLUMBING ROOF PLAN</p> <p><b>ELECTRICAL</b></p> <p>E0.01 ELECTRICAL GENERAL NOTES E0.02 ELECTRICAL SYMBOLS LIST AND ABBREVIATIONS E0.03 LIGHTING FIXTURE SCHEDULE AND NOTES E0.04 SINGLE LINE DIAGRAM E0.05 ELECTRICAL SITE PLAN E1.11 ELECTRICAL SITE PLAN - EV CHARGING E1.12 SERVICE HARD - ELECTRICAL PLAN E2.21 LIGHTING PLAN E2.22 POWER PLAN E2.23 COMMUNICATION PLAN E2.24 FIRE ALARM PLAN E2.25 ELECTRICAL ROOF PLAN E3.00 COMMUNICATION RISER DIAGRAM E3.01 FIRE ALARM SYMBOLS &amp; NOTES E3.02 FIRE ALARM WIRING DIAGRAM DETAILS E3.03 FIRE ALARM WITING DIAGRAM DETAILS E3.04 FIRE ALARM RISER DIAGRAM AND BATTERY CALCULATIONS E4.01 ELECTRICAL DETAILS E4.02 ELECTRICAL DETAILS E5.01 PANEL SCHEDULES E6.01 TITLE 24 E6.02 TITLE 24 E6.03 TITLE 24</p> <p><b>TOTAL</b></p> <p>* FOR ALL DRAWINGS MARKED WITH AN ASTERISK, REFER TO "STATEMENT OF GENERAL CONFORMANCE" ON COVER SHEET G0.00</p>
<p><b>WELDING BOOTH DESIGN CRITERIA</b></p> <p>WELDING BOOTH SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH ASCE 7 CHAPTER 15 AND WIND FORCES IN ACCORDANCE WITH ASCE 7. SEISMIC FORCE RESISTANCE IN ACCORDANCE WITH CHAPTER 15 IS GOVERNED BY ASCE 7 SECTION 13.1.5 REGARDLESS OF WHETHER THE BOOTH FALLS BELOW THE 25% MASS THRESHOLD DEFINED IN ASCE 7 SECTIONS 13.1.1 AND 13.3.1 IN THE ABSENCE OF A DEFINED LATERAL FORCE RESISTING SYSTEM. THE BOOTH IS PERMITTED TO BE DESIGNED IN ACCORDANCE WITH THE DESIGNATION OF "ALL OTHER SELF-SUPPORT STRUCTURES" IN ASCE 7 TABLE 15.4-2 (R+1.25).</p>				
<p><b>DSA REGULATIONS NOTES</b></p> <ol style="list-style-type: none"><li>ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) PARTS 1 TO 6, 9, 11 AND 12.</li><li>CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.</li><li>ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT (CCD) OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION. SECTION 4-338, PART 1, TITLE 24, CCR. SUBSTITUTIONS SHALL BE FOR ANY MATERIAL, SYSTEM OR PRODUCT THAT WOULD OTHERWISE BE REGULATED BY DSA.</li><li>A "DSA CERTIFIED" CLASS 1, PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER), AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.</li><li>A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</li><li>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).</li><li>GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</li><li>A COPY OF CCR TITLE 24, PARTS 1-6, 9, 11 AND 12 SHALL BE KEPT ON SITE DURING CONSTRUCTION.</li><li>A COPY OF THE APPROVED DRAWINGS, SPECIFICATIONS, ADDENDUMS AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE KEPT ON SITE DURING CONSTRUCTION.</li><li>FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CBC CHAPTER 33 AND CFC CHAPTER 33.</li><li>THE CONTRACTOR SHALL PROVIDE CLEAN, SANITARY, TEMPORARY TOILET FACILITIES FOR THE CONSTRUCTION PERSONNEL. UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION PERSONNEL BE ALLOWED TO UTILIZE THE PERMANENT SITE FACILITIES. ALL TEMPORARY FACILITIES SHALL BE REMOVED FROM THE SITE AT THE CONCLUSION OF CONSTRUCTION.</li></ol>	<p>THE FOLLOWING COMPONENTS SHALL BE SUBMITTED BY THE CONTRACTOR FOR DEFERRED DSA APPROVAL:</p> <p><b>1. WELDING BOOTH (SEE WELDING DESIGN CRITERIA)</b></p> <p><b>NOTE:</b> FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.</p>	<p>THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.</p> <p>LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).</p> <p>MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.</p> <p>ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.</p> <p>A LISTING OF CERTIFIED ATT CAN BE FOUND AT: <a href="https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance">https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance</a>.</p> <p>THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.</p> <p>PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.</p>		
<p><b>SITE SAFETY PLAN</b></p>	<p>A WRITTEN SITE SAFETY PLAN IN COMPLIANCE WITH CFC 3303.1.1 MUST BE PREPARED AND AVAILABLE ON SITE PRIOR TO COMMENCEMENT OF ANY MOBILIZATION, DEMOLITION AND/OR CONSTRUCTION.</p> <p>A COMPLETED SITE SAFETY PLAN IS TO BE SUBMITTED TO DSA IN CONJUNCTION WITH THE INITIAL FILING OF FORM DSA 102-IC. CONSTRUCTION START NOTICE/INSPECTION CARD REQUEST, INCLUSIVE OF COMPLETING SECTION 3 OF THE FORM. FAILURE TO INCLUDE THE SSP WILL RESULT IN REJECTION OF THE DSA FORM 102-IC.</p> <p>REFER TO DSA BULLETIN 24-05 FOR FURTHER INFORMATION.</p>			
			<p><b>VICINITY MAP</b></p>	<p><b>KEY PLAN</b></p>

CONSULTANT:

TITLE SHEET

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:



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ARCHITECTS

PROJECT NUMBER: 23-01-02-00

PROJECT STATUS:

SHEET ISSUED: 06/28/2025

DELTA: DATE

ADDENDUM 1

G0.00



GRADING GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE, AND THE CALIFORNIA INVESTIGATION PREPARED BY GEOWEST, INC. PROJECT NUMBER WY14-09-10, DATED DECEMBER 23, 2014. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (PWP) GREEN BOOK, LATEST EDITION AND AMENDMENTS. WHENEVER SPECIAL REQUIREMENTS CONFLICT ON ANY SUBJECT MATTER, THE ENGINEER OF RECORD AND/OR THEIR REPRESENTATIVE WILL DETERMINE WHICH SPECIAL REQUIREMENT AND/OR CODE WILL GOVERN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND DISPOSAL OF THE PROPOSED WORK AREA.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS IN ACCORDANCE WITH CITY, COUNTY, AND STATE ORDINANCES AND STATUTES.
- NO FILL SHALL BE PLACED ON THE EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, DELETERIOUS MATERIAL, AND PREPARED PER THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.
- CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL, ANY CUT SLOPE THAT IS NOT STABLE SHALL BE OVEREXCAVATED AND RECOMPACTED AS INDICATED BY PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.
- FILLS SHALL BE COMPACTED THROUGHOUT TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557-12 AND CERTIFIED BY THE GEOTECHNICAL ENGINEER.
- AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR THEIR REPRESENTATIVE PRIOR TO PLACING OF FILL.
- ALL EXISTING FILLS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND STATE INSPECTOR OR THEIR REPRESENTATIVE BEFORE ANY ADDITIONAL FILLS ARE ADDED.
- THE EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED, BACKFILLED, AND APPROVED BY THE GRADING INSPECTOR AND GEOTECHNICAL ENGINEER.
- SLOPES EXCEEDING FIVE FEET IN HEIGHT MUST BE PLANTED WITH AN APPROVED IRRIGATION SYSTEM UNLESS OTHERWISE NOTED ON LANDSCAPE ARCHITECT'S PLANS.
- THE STOCKPILING OF EXCESS MATERIAL SHALL BE APPROVED BY THE OWNER IF IT IS TO BE ON-SITE AND THE AGENCY WITH JURISDICTION IF IT IS TO BE OFF-SITE.
- ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SITE GEOTECHNICAL ENGINEER AND PER THE APWA.
- ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY AN ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS, THE ENGINEERING GEOLOGIST SHALL RECOMMEND NECESSARY TREATMENT TO THE PROJECT ARCHITECT FOR APPROVAL.
- WHEN CUT PILES ARE BROUGHT TO NEAR GRADE, THE ENGINEERING GEOLOGIST SHALL DETERMINE IF THE BEDROCK IS EXTENSIVELY FRACTURED OR FAULTED AND WILL READILY TRANSMIT WATER, IF CONSIDERED NECESSARY BY THE ENGINEERING GEOLOGIST AND GEOTECHNICAL ENGINEER, A COMPACTED FILL BLANKET WILL BE PLACED.
- THE FINAL COMPACTION REPORT AND APPROVAL FROM THE GEOTECHNICAL ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED, THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE, NUCLEAR GAGE, OR DRIVE RING SHALL BE SO NOTED FOR EACH TEST. SUFFICIENT MAXIMUM DENSITY DETERMINATIONS SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE FIELD TECHNICIAN.
- SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
- THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS AND APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE CONSTRUCTED TO ADDJONING PROPERTIES DURING THE GRADING PROJECT. IN ALL CASES, THE CONTRACTOR AND/OR DEVELOPER SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.
- ANY WATER WELLS SHALL BE ABANDONED IN COMPLIANCE WITH THE COUNTY STANDARDS AND IN ACCORDANCE WITH THE STATE DEPARTMENT OF WATER RESOURCES.
- ANY EXISTING SEWERS, CESSPOOLS, AND SEPTIC TANKS OR OTHER SEWAGE DISPOSAL FACILITIES SHALL BE ABANDONED IN COMPLIANCE WITH THE CALIFORNIA PLUMBING CODE AND TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER AND GRADING INSPECTOR.
- EXPORT SOILS MUST GO TO A LEGAL DUMP SITE OR TO A PERMITTED SITE APPROVED BY THE LOCAL AGENCY HAVING JURISDICTION.
- PERMISSION IS REQUIRED FROM THE ADJACENT PROPERTY OWNER WHENEVER WORK IS PROPOSED ACROSS THE PROPERTY LINE.
- ANY DIRT, ROCK OR CONSTRUCTION MATERIAL THAT MAY BE TRACKED OR DROPPED WITHIN THE PUBLIC RIGHT-OF-WAY DURING THE TRANSPORTATION OF SAID MATERIAL OR EQUIPMENT ASSOCIATED WITH THE PROJECT SHALL BE CLEANED OR REMOVED DAILY.
- DIRT ACCESS RAMPS OVER CURBS AND GUTTER TO CONSTRUCTION SITE ARE NOT ALLOWED. WHEN NECESSARY FOR ENTRANCE TO SUCH CONSTRUCTION SITES, ASPHALT RAMPS WITH A MINIMUM 2" DIAMETER PIPE WILL BE CONSTRUCTED TO CONVEY GUTTER DRAINAGE, ALL BASE, GRAVEL, SOIL, OR OTHER MATERIAL CARRIED INTO THE ROADWAY BY CONTRACTORS PERSONNEL OR EQUIPMENT WILL BE CLEANED AS NECESSARY AND NO LESS THAN ONCE A DAY. TRUCKS Hauling BASE, GRAVEL, FILL, OR EXPORT MATERIALS WITHIN CITY LIMITS WILL BE TAIRED AS NECESSARY TO PREVENT MATERIAL FROM SPILLING INTO THE ROADWAY.
- PRIOR TO ANY CONSTRUCTION WHICH INVOLVES HAZARDOUS CONDITIONS, THE CONTRACTOR SHALL FIRST OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (DOSH).
- PROPOSED REVISIONS TO THE GRADING PLAN SHALL BE DRAWN IN RED PENCIL ON BLUELINES OF THE APPROVED PLAN. THESE BLUELINES ARE THEN TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL. ONLY AFTER THE BLUELINE APPROVAL IS GIVEN SHOULD THE ORIGINALS BE AS-BUILT BY THE CONTRACTOR/CM.
- RULE 401, AIR QUALITY CONTROL MANAGEMENT DISTRICT, MUST BE IMPLEMENTED BY CONTRACTORS DURING CONSTRUCTION.
- CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY BETWEEN THE HOURS OF 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH FRIDAY, AND BETWEEN THE HOURS OF 9:00 A.M. AND 6:00 P.M. ON SATURDAYS. NO CONSTRUCTION ACTIVITIES SHALL BE PERMITTED OUTSIDE OF THESE PERMITTED HOURS OR ON SUNDAY AND FEDERAL HOLIDAYS.
- CONSTRUCTION PARKING SHALL BE ON-SITE. TRAFFIC CONTROL AND ACCESS SHALL BE IN ACCORDANCE WITH THE GENERAL CONSTRUCTION REQUIREMENTS.
- TRUCKS AND LARGE CONSTRUCTION VEHICLES WILL OBTAIN APPROVED TRUCK ROUTES FROM THE CITY AND/OR THE COUNTY.
- THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-ROAD TRAVEL, MATERIALS LAYDOWN OR THOSE AWAITING FUTURE CONSTRUCTION. FREQUENTLY ACCESSSED AREAS SHALL BE PAVED AS EARLY AS POSSIBLE TO MINIMIZE DIRT TRACKOUT TO THE PUBLIC RIGHT OF WAY.
- THE CONTRACTOR SHALL UTILIZE MEASURES TO PREVENT DIRT FROM BEING TRACKED, WASHED BLOWN OR OTHERWISE CONVEYED INTO PAVED ROADWAYS, AND WILL WASH OR SWEEP CONSTRUCTION ACCESS POINTS ON A ROUTINE BASIS AS SPECIFIED BY THE COUNTY AT A PRE-AGREED MEETING AS WELL AS WHENEVER DIRT IS VISIBLE MORE THAN 5 FEET FROM THE ACCESS POINT INDEPENDENT OF THE ROUTINE CLEAN-UP SCHEDULE.
- TRUCKS USED IN HAULING DIRT TO OR FROM THE SITE ON PUBLIC ROADS WILL BE COVERED OR WILL MAINTAIN A SIX INCH DIFFERENCE BETWEEN THE MAXIMUM HEIGHT OF ANY HAULED MATERIAL, AND THE TOP OF THE TRAILER. HAUL TRUCK DRIVERS WILL LOAD PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORTATION.
- POST CONSTRUCTION (10) PRINCIPLES, TREATMENT CONTROL AND/OR LID BAPS, ONCE PLACED INTO OPERATION FOR POST-CONSTRUCTION WATER QUALITY CONTROL, SHALL NOT BE USED TO TREAT RUNOFF FROM CONSTRUCTION SITES OR UN-STABILIZED AREAS OF THE SITE.

ASPHALT PAVING GENERAL NOTES

- A PRE-PAVING MEETING IS REQUIRED 48 HOURS PRIOR TO PAVING. THE PROJECT INSPECTOR SHALL BE IN ATTENDANCE.
- THE AGGREGATE BASE SECTION SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY. MAXIMUM AND FIELD DENSITY TO BE DETERMINED IN ACCORDANCE WITH ASTM D1557-12 MODIFIED.
- A "TACK COAT" (PAINT BINDER) SHALL BE APPLIED BETWEEN PAVEMENT LAYERS, AND ON EXISTING PAVEMENT TO BE RESURFACED AT A RATE OF 0.10 GALS/SQ YD. THE TACK COAT SHALL BE A TYPE SSI ASPHALT EMULSION.
- THE ASPHALT CONCRETE FOR PARKING LOTS SHALL BE CLASS C2 AS SPECIFIED IN SECTION 203-6. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST APPROVED EDITION. THE PAVING AGGREGATE TO BE MIXED WITH AGGREGATE SHALL CONFORM TO THE PROVISIONS OF SECTION 203-1 AND SHALL BE STEAMED, RETIRED ASPHALT WITH A PERFORMANCE GRADE OF PG-64-10 TO THE SATISFACTION OF THE ENGINEER.
- ASPHALT CONCRETE PAVEMENT SHALL BE DISTRIBUTED AND SPREAD IN ACCORDANCE WITH SECTION 302-5.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THE MAXIMUM LIFT DURING SPREADING SHALL BE 3" COMPACTED THICKNESS.
- A QUALIFIED PAVING INSPECTOR IS REQUIRED DURING PAVING OPERATIONS AT THE JOB SITE AND AT THE ASPHALT PLANT. ASPHALT TICKETS SHALL BE PROVIDED TO THE INSPECTOR FOR ALL LOTS.
- ALL ASPHALT AREAS SHALL BE PAVED AT A MINIMUM GRADIENT OF 1.25%.

DEMOLITION GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND, ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED AS REQUIRED BY LOCAL AND OR STATE LAWS.
- EXISTING WATER LATERALS AND IRRIGATION LINES SHALL BE CUT AND CAPPED AT THE LIMIT OF THE DEMO AREA SHOWN. ALL WATER SERVICES SHALL BE TERMINATED IN A FLUSH UTILITY BOX FOR FUTURE ACCESS.
- EXISTING SEWER LATERALS SHALL BE CUT AND PLUGGED AT THE LIMIT OF THE DEMO AREA SHOWN. ALL PLUGGED ENDS FOR LATERALS WILL BE BROUGHT TO GRADE WITH A STANDARD SEWER CLEANOUT.
- EXISTING ELECTRICAL LINES SHALL BE TEMPORARILY REROUTED AROUND THE LIMITS OF THE DEMO AREA. ALL TEMPORARY WIRING CONNECTIONS SHALL BE TERMINATED IN AN ABOVE GROUND RISER.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDCAPE IMPROVEMENTS, UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE NOT TO BE REMOVED.
- ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RE CUT PRIOR TO JOINING.
- ALL EXISTING OBJECTABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES AND APPURTENANCES, TREES, BONS, AND STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR, UNLESS OTHERWISE INDICATED HEREIN, OR AS DIRECTED BY THE ARCHITECT OR ENGINEER.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING CONCRETE FROM DAMAGE CAUSED BY THEIR OPERATIONS. ANY CONCRETE DAMAGED DURING THEIR OPERATIONS SHALL BE SAWCUT AND REPLACED AT NO COST TO THE OWNER. ANY EXISTING CONCRETE IDENTIFIED AS POTENTIALLY NEEDING TO BE REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OR THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS.
- REMOVE OR RELOCATE ALL EXISTING ITEMS WITHIN LIMITS OF REMOVAL THAT ARE NOT WITHIN CIVIL SCOPE PER APPROPRIATE CONSULTANTS PLANS AND SPECIFICATIONS.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION BASED ON THE PROPOSED IMPROVEMENTS SHOWN IN THE SET OF PLANS.

ACCESSIBILITY NOTES

- ALL SLOPES IN THE DIRECTION OF TRAVEL SHOWN ON THIS PLAN WERE DESIGNED BELOW THE MAXIMUM ALLOWED GRADIES BY THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (2010 ADAS OR CBC) IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES. IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO FAMILIARIZE THEMSELVES WITH THE ADAS AND CBC AND IN THE EVENT THAT A DESIGN QUESTION SHOULD ARISE, OR A FIELD CONDITION PRESENT ITSELF THAT IS DIFFERENT THAN SHOWN ON THESE PLANS, WORK SHOULD CEASE AND THE DESIGN ENGINEER SHALL BE NOTIFIED SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.
- THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO ACCESSIBILITY FOR THIS PROJECT. SINCE THE CODE DOES NOT ALLOW FOR A CONSTRUCTION TOLERANCE, ANY CONSTRUCTION THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS CALLED OUT BY CBC OR ADAS ARE SUBJECT TO REJECTION BY THE INSPECTOR AND SHALL BE REMOVED AND RE-ERECTED.
- SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS DURING THE GRADING AND CONSTRUCTION OF THE PROJECT, THE CIVIL ENGINEER OR SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE FINAL ACCEPTANCE OF ADAS RELATED ITEMS OF THIS PROJECT BY THE INSPECTING AUTHORITY OR OTHER AFFECTED PARTIES.
- COMPLIANCE WITH THE CONSTRUCTION REQUIREMENTS FOR ACCESSIBILITY WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THEIR SUB-CONTRACTORS.

FIRE SYSTEM GENERAL NOTE

- PRIOR TO INSTALLATION, ALL PLANS AND SPECIFICATION SHALL BE APPROVED BY DSA. REFER TO DSA IR A-25 FOR DESIGN, INSTALLATION AND MAINTENANCE GENERAL REQUIREMENTS.
- INSPECTIONS ARE REQUIRED: 1) PRIOR TO POURING THURST BLOCKS, 2) FOR HYDROSTATIC TESTING, AND 3) FOR FLUSH.
- INSTALLATION, INSPECTION, AND TESTING SHALL CONFORM TO 2022 NFPA 13 AND 2022 NFPA 24 & 2022 CFC.
- PRIVATE FIRE HYDRANTS SHALL BE APPROVED WET BARREL STYLE WITH A MINIMUM OF TWO 2-1/2" AND ONE 4" OUTLET. THE 4" OUTLET SHALL FACE THE FIRE DEPARTMENT ACCESS ROAD. ALL OUTLETS SHALL BE PROVIDED WITH NATIONAL STANDARD THURST (NST), NFPA 24, 7.1.2.
- FIRE HYDRANT SUPPLY PIPING SHALL BE MINIMUM 6" IN DIAMETER. LATERALS SHALL BE MINIMUM 4" IN DIAMETER. THE LOWEST OPERATING HOSE OUTLET SHALL BE A MINIMUM OF 18" ABOVE GRADE AND THE HYDRANT FLANGE SHALL BE A MINIMUM OF 2" ABOVE GRADE. NFPA 24, 5.2.1, 7.1.1.1 & 7.3.3.
- FIRE HYDRANTS SHALL BE A MINIMUM OF 40 FEET FROM ALL STRUCTURES. NFPA 24, 7.2.3.
- A KEYED GATE VALVE SHALL BE PROVIDED FOR EACH HYDRANT IN AN ACCESSIBLE LOCATION. VALVES SHALL NOT BE LOCATED IN PARKING STALLS. NFPA 24, 7.1.1.2.
- ALL PIPING SHALL BE LISTED FOR USE IN FIRE PROTECTION SERVICE AND COMPLY WITH AWWA STANDARDS (CLASS 225 DR-19 MINIMUM CLASS 305 DR-4 1200 PIPE SHALL BE USED WHERE THE PRESSURE MAY EXCEED 100 PSI). NFPA 24, 10.1.1.4 & 10.1.2.
- ALL BOLTED JOINTS SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION RETARDING MATERIAL AFTER INSTALLATION. NFPA 24, 10.4. ALL FERROUS PIPE AND FITTING SHALL BE PROTECTED WITH LOOSE L AML POLYETHYLENE TUBE. THE ENDS OF THE TUBE AND ANY SPICES MADE FOR T'S OR OTHER PIPING COMPONENTS SHALL BE SEALED WITH 2" TAPE, APPROVED FOR UNDERGROUND USE.
- BACKFILL SHALL BE WELL TAMPED LAYERS TO CONSIST OF: 6" MINIMUM BED OF CLEAN FILL SAND OR PEA GRAVEL BELOW AND 12" ABOVE THE PIPE (TOTAL OF 18" MINIMUM). NFPA 24, 10.9.
- FITTINGS SHALL BE AN APPROVED TYPE. NFPA 24, 10.2.
- MINIMUM FIRE LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 48" WHERE REQUIRED. FIRE LINES MAY HAVE A MINIMUM COVER OF 30" IN NON TRAFFIC AREAS AND A MINIMUM COVER OF 30" IN TRAFFIC AREAS. NFPA 24, 10.4.2.2.3 & 10.4.2.2.3.1.
- THRUST BLOCKS SHALL BE PROVIDED WHEREVER PIPE CHANGES DIRECTION EITHER HORIZONTAL OR VERTICALLY. BACKFILL BETWEEN THE JOINTS TO PREVENT MOVEMENT OF THE PIPE. PROVIDE DETAILS AND CALCULATIONS FOR SIZING THRUST BLOCKS BASED ON ACTUAL SOIL CONDITIONS. NFPA 24, 10.3.1.
- A HYDROSTATIC TEST, 200 PSI FOR TWO HOURS OR 30 PSI OVER MAXIMUM STATIC PRESSURE, WHICHEVER IS GREATER SHALL BE PERFORMED. NFPA 24, 10.12.2.1.
- THE SYSTEM SHALL BE THOROUGHLY FLUSHED BEFORE CONNECTION IS MADE TO OVERHEAD PIPING. FLOW SHALL BE THROUGH A MINIMUM OF 4" HOSE OF PIPE UNLESS OTHERWISE APPROVED BY THE DEPUTY STATE FIRE MARSHAL. A DEPUTY STATE FIRE MARSHAL SHALL WITNESS THE TEST. NFPA 24, 10.12.1.
- ALL CONTROL VALVES SHALL BE LOCKED IN THE OPEN POSITION. VALVES SHALL BE MONITORED IF THEY SERVE 6 OR MORE SPRINKLER HEADS. CFC 303.4.
- ALL CONTROL VALVES SHALL BE LISTED INDICATING TYPE UNLESS A NON-INDICATING VALVE, SUCH AS AN UNDERGROUND GATE VALVE WITH APPROVED ROADWAY BOX COMPLETE WITH 1" WRENCH, IS ACCEPTABLE TO AUTHORITY HAVING JURISDICTION. (AIA), NFPA 24, 6.1.1.
- THE POST INDICATOR VALVES (PIV) SHALL BE TESTED TO INSURE THAT THE "TARGETS" (OPEN, CLOSED) ARE CLEARLY IDENTIFIED WHEN VALVE IS OPENED OR CLOSED. NFPA 24, 6.3.1, 10.10.2.4.8 & 14.1.
- TESTS SHALL BE MADE BY THE INSTALLING CONTRACTOR IN THE PRESENCE OF THE (AIA). PROVIDED A CLEARED CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING IS USA, NFPA 24, 10.10.14.14.1, CFC 301.5 & 6.
- ALL FIRE HYDRANTS SHALL HAVE A 3-FOOT CIRCUMFERENCE OF CLEAR SPACE AND AN 18 INCH CLEARANCE FROM THE CENTER OF THE 4 1/2" DISCHARGE TO FINISHED GRADE LEVEL. CFC 307.5.5.
- ALL FIRE HYDRANTS SHALL BE INSTALLED WITH BREAK-OF BOLTS AND/OR BREAK-OFF SPOOLS.
- ALL MECHANICAL JOINTS ON FIRE SERVICE LINES AND FIRE SPRINKLER LATERALS SHALL BE CLEANED AND THOROUGHLY COATED WITH CORROSION RETARDING MATERIAL. NFPA 24, 10.6.2.5.
- BOLTS USED FOR UNDERGROUND CONNECTIONS SHALL BE STAINLESS STEEL.
- THE POST INDICATOR VALVES (PIV) SHALL BE SET SO THAT THE TOP OF THE POST WILL BE 32" TO 40" ABOVE FINISHED GRADE. NFPA 24, 6.3.1.

UTILITY GENERAL NOTES

- ALL WATER LINES 3" AND SMALLER SHALL BE SCHEDULE 80 PVC, PER ASTM D-1784 WITH SOLVENT WELD FITTINGS. ALL WATER LINES 4" AND GREATER SHALL BE CLASS 225 C900 PVC.
- WATER MAIN AND SEWER MAIN CROSSESS SHALL COMPLY WITH STATE AND COUNTY HEALTH DEPARTMENT REGULATIONS. WATER SERVICE LINES AND SEWER LATERALS SHALL NOT BE IN THE SAME TRENCH. WATER AND SEWER LINES ON-SITE SHALL HAVE A TEN-FOOT MINIMUM HORIZONTAL CLEARANCE WHENEVER POSSIBLE. WATER MAINS SHALL CLEAR ABOVE ALL SEWER LATERALS BY A MINIMUM OF ONE FOOT VERTICAL CLEARANCE OR UNDER BY 3" MINIMUM WHEN WATER LINE CROSSES UNDER SEWER, OR MINIMUM CLEARANCE UNDER SEWER IS NOT ACHIEVED. SEWER SHALL BE ENCASED IN CONCRETE 10" EACH SIDE OF CROSSING.
- MINIMUM WATER LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 30" OF COVER. MINIMUM FIRE LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 48" COVER WHERE REQUIRED. FIRE LINES MAY HAVE A MINIMUM COVER OF 30" IN NON TRAFFIC AREAS AND A MINIMUM COVER OF 30" IN TRAFFIC AREAS PER NFPA 24.
- THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF ALL TRENCH BACKFILL AND SUBMIT THEM TO THE CONSTRUCTION MANAGER FOR APPROVAL. ALL BEDDING SHALL HAVE A SAND EQUIVALENT OF 10 OR BETTER.
- WATER SERVICE CONNECTION TO THE BUILDINGS SHALL BE INSTALLED BY THE BUILDING PLUMBING CONTRACTOR.
- MINIMUM BEARING AREA FOR THRUST BLOCKS SHALL BE ACCORDING TO THE THRUST BLOCK SCHEDULE SHOWN ON THESE PLANS.
- A PIPE "DEFLECTOR" OR "REROUNDER" SHALL NOT BE USED TO REROUND OVERDEFLECTED PIPES.
- ALL VALVE AND CLEAN OUT COVERS TO HAVE TRAFFIC RATED VANDAL PROOF COVERS AND ADJUSTED BY CONTRACTOR TO FINISH GRADE AFTER PAVING. ALL COVERS SHALL INDICATE "S" FOR SEWER, "W" FOR WATER, AND "SD" FOR STORM DRAIN.
- ALL UNDERGROUND FERROUS METALS ARE TO BE PROTECTED FROM CORROSION WITH 40 MIL EXTRUDED POLYETHYLENE 20 MIL PLASTIC TAPE OVER PRIMER PER AWWA STANDARD C205, OR HOT APPLIED COAL TAR ENAMEL OR TAPE PER AWWA STANDARD C203.
- BARF STEEL APPURTENANCES SUCH AS BOLTS, JOINT HARNESSSES OR FLEXIBLE COUPLINGS SHOULD BE COATED WITH A COAL TAR OR RUBBER-BASED MASTIC AFTER ASSEMBLY.
- THE CONTRACTOR SHALL EXPOSE ALL EXISTING WATER & SEWER PIPELINES AT PROPOSED CONNECTION POINTS TO CONFIRM MATERIAL, TYPE, LOCATION, AND ELEVATION PRIOR TO BEGINNING CONSTRUCTION.
- ALL UNDERGROUND PIPES LINES SHALL HAVE UNDERGROUND WARNING TAPE PLACED 12" ABOVE THE LINES IN THE TRENCH. NON-METALLIC LINES SHALL HAVE METALLIC LINED TAPE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY BY THE PROPOSED IMPROVEMENT.
- WHENEVER IT BECOMES NECESSARY TO TUNNEL UNDER EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SUBMIT THOSE IMPROVEMENTS IN A MANNER APPROVED BY THE PROJECT ENGINEER OR THE CONTRACTOR SHALL SAWCUT, REMOVE AND REPLACE THOSE IMPROVEMENTS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BY POT-HOLING OR OTHER MEANS. CONTRACTORS SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) 800/677-3800 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO LOCATE EXISTING UTILITIES.
- THE CONTRACTOR SHALL OBTAIN ANY REQUIRED U.S.A. PERMITS PRIOR TO ANY EXCAVATIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON PLANS, THE ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH WORK.
- PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, EXISTING SURVEY MONUMENTS SHALL BE NOTED AND DOCUMENTED BEFORE CONSTRUCTION. IF MONUMENTS ARE OBTURED DURING CONSTRUCTION, THE CONTRACTOR SHALL PAY A REGISTERED LICENSED LAND SURVEYOR OR ENGINEER TO RESET SUCH MONUMENTS, UNLESS OTHERWISE SPECIFIED OR DESIGNATED.
- ALL SEWER PIPES SHALL BE INSTALLED AT STRAIGHT GRADIES BETWEEN INVERT ELEVATIONS INDICATED. ALL SEWER AND STORM DRAIN CONNECTIONS SHALL BE MADE WITH WYES. TEES SHALL NOT BE USED. ALL PIPES SHALL BE LAID WITH BELL END OF PIPE FACING UPSTREAM.
- ALL CHANGES IN HORIZONTAL ALIGNMENT OF SEWER PIPE SHALL BE ACCOMPLISHED BY USE OF MANUFACTURED FITTINGS AND ELBOWS, AND WHERE ADDITIONALLY NECESSARY, PIPE JOINT DEFLECTIONS WITH ALLOWABLE LIMITS PER THE PRODUCT SPECIFICATIONS.
- ALL WET UTILITY TRENCHES, BEDDING AND BACKFILL SHALL CONFORM TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. SUBSTITUTION OF BEDDING MATERIAL SHALL BE APPROVED BY THE PROJECT CIVIL ENGINEER.
- THE CONTRACTOR SHALL PERFORM TESTING, FLUSHING AND DISINFECTING OF SYSTEMS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL PREPARE A COMPLETE SET OF "AS-BUILT" DRAWINGS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- ALL PIPE SIZE REFERENCES ARE MINIMUM INSIDE DIAMETER SIZE. HORIZONTAL DIMENSIONS SHOWN ON THESE PLANS ARE TO CENTERLINE OF PIPES.
- NATURAL GAS SERVICE LINES MAY BE INSTALLED IN A COMMON TRENCH WITH WATERLINES IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- DRINKING FOUNTAIN AND IRRIGATION APPURTENANCES SHOWN HEREON ARE APPROXIMATE AND THE CONTRACTOR SHALL REFER TO THE ARCHITECTS AND LANDSCAPE ARCHITECTS PLANS FOR THE EXACT LOCATION.
- CLEANOUTS FOR SEWER AND STORM DRAIN UTILITIES SHALL BE INSTALLED PER THE UPC, LATEST EDITION, WHETHER GRAPHICALLY INDICATED OR NOT. AT INTERVALS OF 100 FEET IN STRAIGHT RUNS, OTHERWISE AT EVERY HORIZONTAL AND VERTICAL ANGLE POINT AND AT ALL CHANGES IN PIPE SIZE. ALL OTHER CLEANOUTS SHOWN ON PLAN ARE AS DEEMED NECESSARY BY THE DESIGN ENGINEER AND ARE NOT TO BE OMITTED.

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION SAFETY ORDERS". THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE 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 NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDemnIFY AND HOLD THE OWNER AND THE CIVIL 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.

THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION TO THESE LINES.

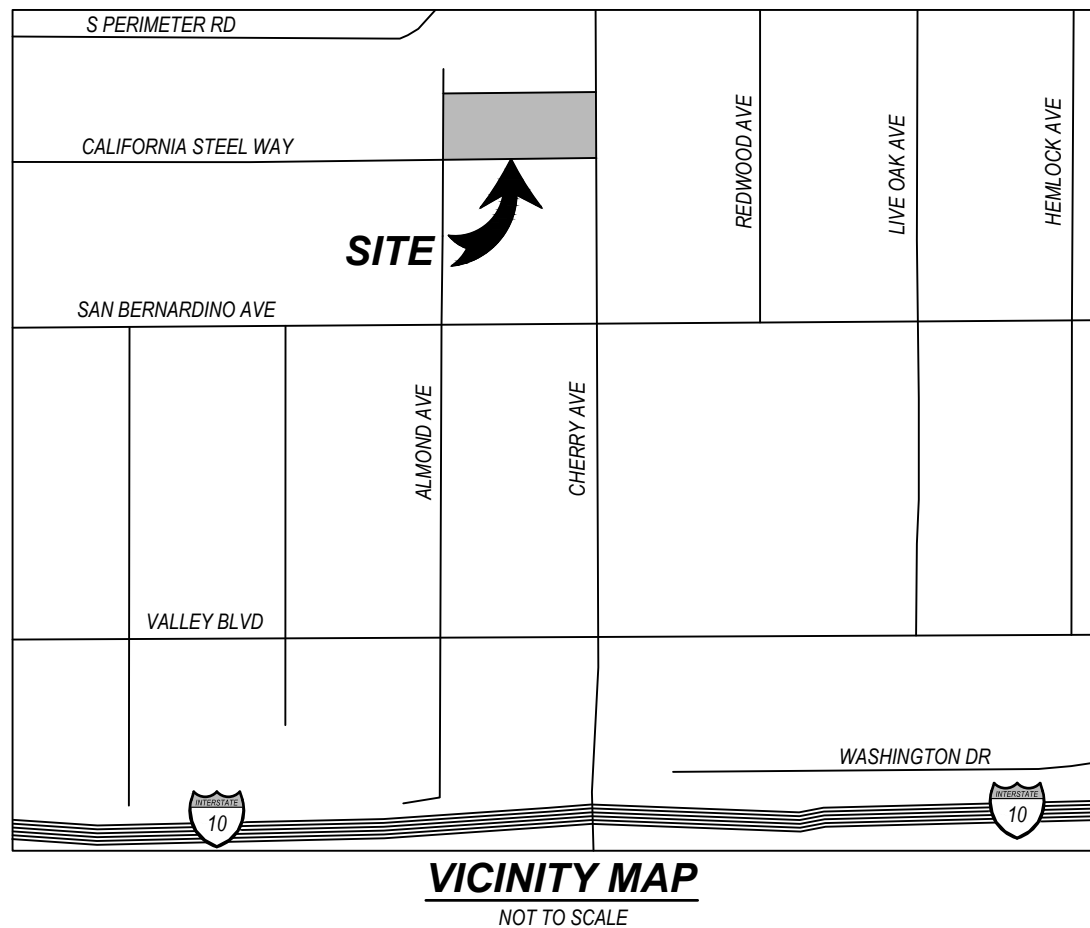
GRADING DEMOLITION NOTES

- PROTECT IN PLACE EXISTING ITEM
- SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT
- SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, AND/OR SIDEWALK

SHEET INDEX	
SHEET TITLE	SHEET DESCRIPTION
C-1.1	TITLE SHEET
C-2.1	TOPOGRAPHIC MAP
C-3.1	PRECISE GRADING PLAN
C-4.1	COMPOSITE UTILITIES PLAN
C-5.1	HORIZONTAL CONTROL
C-6.1	DETAIL SHEET
C-6.2	DETAIL SHEET
C-6.3	DETAIL SHEET

GRADING CONSTRUCTION NOTES

- PROTECT IN PLACE EXISTING ITEM
- ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
- JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRAD, DOWELING FOR PCC ONLY
- GRIND AND OVERLAY EXISTING ASPHALT SURFACE 6 1/2" MINIMUM PER DETAIL "A" ON SHEET C-6.1, WITH FLUSH TRANSITION, MATCH GRADE
- SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
- CONSTRUCT 4" AC OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, AND 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT 4" PCC (800 C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION, WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS
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- CONSTRUCT CURB TYPE A1 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT CURB TYPE A2 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT 4" PCC (800 C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
- CONSTRUCT 4" WOTCH PER DETAIL "D" ON SHEET C-6.1
- FURNISH AND INSTALL SITE FENCING & GATES PER ARCHITECT'S PLANS AND SPECIFICATIONS
- PAINT / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT PCC CURB EXTENSION PER DETAIL "E" ON SHEET C-6.1
- CONSTRUCT CMU RETAINING WALL PER STRUCTURAL ENGINEER'S DETAILS
- CONSTRUCT 10" 8" PCC (500 C-2000) CURB TRANSITION PER DETAIL "F" ON SHEET C-6.1
- CONSTRUCT 12" PCC (500 C-2000) CURB ONLY PER DETAIL "G" ON SHEET C-6.1
- CONSTRUCT FREE STANDING WALL PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT COLUMNS PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT NOW CURB PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT TRUNCATED DOME PER ARCHITECT'S DETAIL
- FURNISH AND INSTALL HANDRAILS PER ARCHITECT'S DETAILS ON SHEET A1.32 AND SPECIFICATIONS
- CONSTRUCT WEEP HOLES PER STRUCTURAL ENGINEER'S PLANS, DETAILS, AND SPECIFICATIONS
- CONSTRUCT CURB TYPE A1 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2



UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

- CONNECT TO EXISTING WATER LINE
- CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL A LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 375XL OR APPROVED EQUAL) PER CUTSHEET ON C-6.2

- NOTE NOT USED
- CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (JONES 800W BR OR DR) PER MANUFACTURER'S DETAILS ON SHEET C-6.2. FIRE HYDRANT BREAK AWAY SPOOL & BURY TO HAVE MATCHING BOLT S PATTERNS
- FURNISH & INSTALL 6" GATE VALVE-IMMELER RESILIENT WEDGE (FP OR APPROVED EQUAL) IN RSDY CAN PER DETAIL "I" ON SHEET C-6.1 AND CUTSHEET ON C-6.2
- NOTE NOT USED
- NOTE NOT USED
- FURNISH & INSTALL 8" DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 304SL PER CUTSHEET ON C-6.1)

SEWER

- CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- CONSTRUCT PVC SEWER CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT SEWER MANHOLE PER SPWPC 2000 STD. STD. PLAN 200-3 PER CUTSHEET ON SHEET C-6.3
- FURNISH & INSTALL SEWER GROUND PUMP (1" OME SEWER SYSTEMS' MODEL4071 OR APPROVED EQUAL) PER CUTSHEET ON SHEET C-6.3

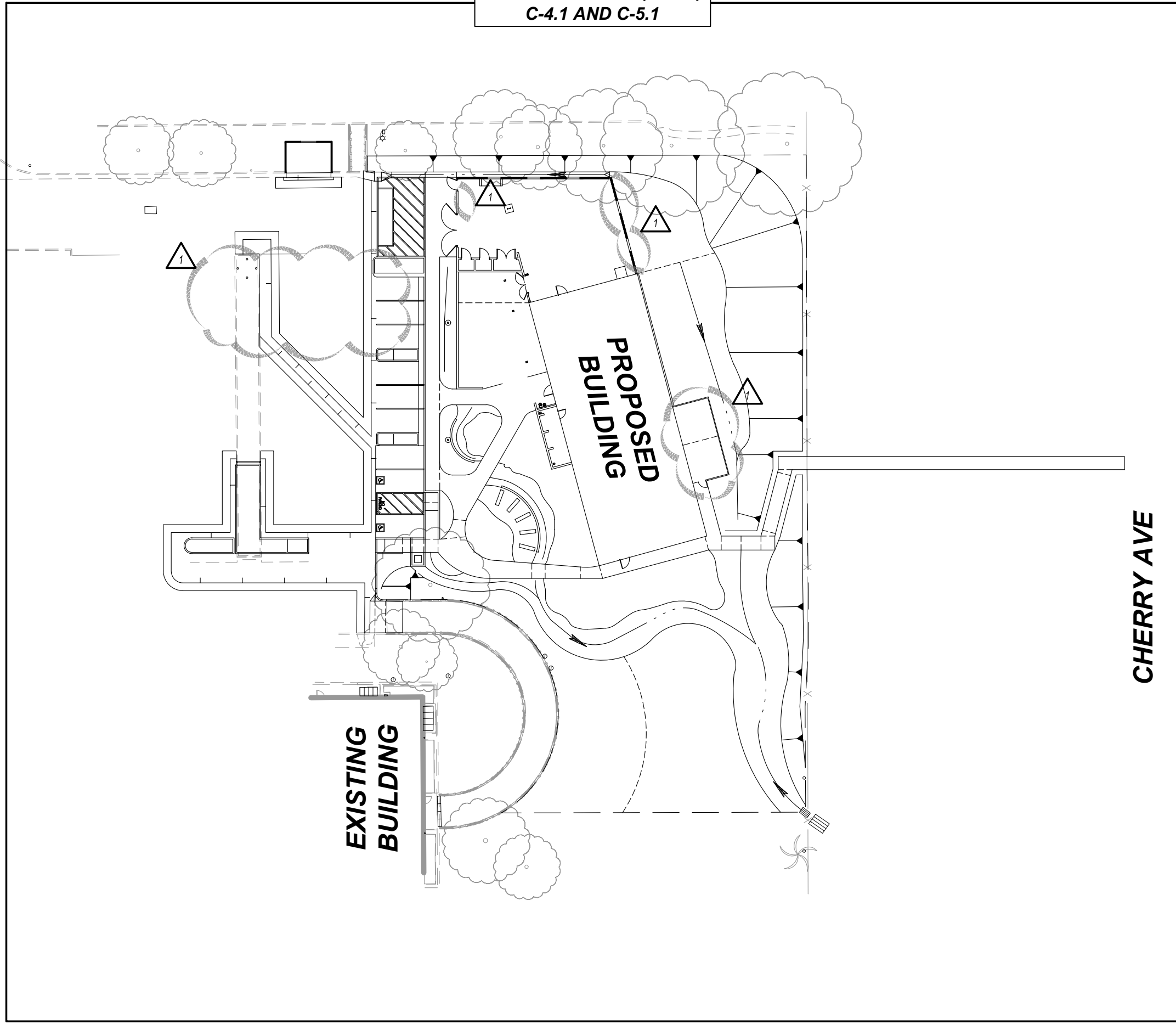
STORM DRAIN

- CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- FURNISH & INSTALL 12" X 12" PREFABRICATED CATCH BASIN (JAB C8122 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- FURNISH & INSTALL 24" X 24" PREFABRICATED CATCH BASIN (JAB C8122 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT CURB OUTLET STRUCTURE PER CUTSHEET ON C-6.3
- FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORATED PIPE PER DETAIL "M" ON SHEET C-6.2
- CORE THROUGH EXISTING CURB 0.04' ABOVE EXISTING FLOWLINE

LEGEND

AC	ASPHALT CONCRETE	+	CLEANOUT
ADA	AMERICAN DISABILITIES ACT	+	CONTROL POINT
BD	BACKLAW DEVICE	+	DOUBLE DETECTOR CHECK
CF	CURB FACE	+	DRAIN BOX
CLF	CHAIN-LINK FENCE	+	FIRE DEPARTMENT CONNECTION
CO	CLEANOUT	+	FIRE HYDRANT
CNC	CONCRETE	+	MANHOLE
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	+	SEWER GRINDER PUMP
ELEC	ELECTRIC	+	POST INDICATOR VALVE
EOD	EDGE OF CONCRETE	+	POWER POLE
EP	EDGE OF PAVEMENT	+	SIGN
FDC	FIRE DEPARTMENT CONNECTION	+	TREE
FF	FINISHED FLOOR	+	CHANGE IN AC/PC THICKNESS
FG	FINISHED GROUND	+	DIRECTION OF SLOPE
FL	FLOWLINE	+	EDGE OF PAVEMENT
FS	FINISHED SURFACE	+	EXISTING ELECTRICAL LINE
HP	HIGH POINT	+	EXISTING FIRE LINE
IE	INVERT (SD)	+	EXISTING GAS LINE
INV	INVERT (SEWER)	+	EXISTING SEWER LINE
LA	LANDSCAPE AREA	+	EXISTING STORM DRAIN
PA	PLANTER AREA	+	EXISTING STORM DRAIN
PIV	POST INDICATOR VALVE	+	EXISTING WATER LINE
PCC	POINT OF CONNECTION	+	FLOWLINE
PP	POWER POLE	+	GRADE/BEAK/ROD/ELINE
SW	SIDEWALK	+	PROPOSED FIRE LINE
TB	TOP OF BERM	+	PROPOSED RETAINING WALL
TC	TOP OF CURB	+	PROPOSED SEWER LINE
TF	TOP OF FOOTING	+	PROPOSED STORM DRAIN
TG	TOP OF GRATE	+	PROPOSED WATER LINE
TOE	BOTTOM OF SLOPE	+	
TOP	TOP OF SLOPE	+	
TP	TOP OF PAVEMENT	+	PROPOSED SLURRY/CRAACK REPAIR
TW	TOP OF WALL	+	
UTL	UTILITY	+	PARKING AC PAVING
WM	WATER METER	+	DRIVE AISLE AC PAVING
WV	WATER VALVE	+	FIRE LANE AC PAVING
		+	PEDESTRIAN PCC SURFACE
		+	FIRE LANE PCC SURFACE
		+	GOMPER SLAB
		+	GRIND AND OVERLAY
		+	LIMITS OF REMOVAL

SEE SHEETS C-2.1, C-3.1, C-4.1 AND C-5.1



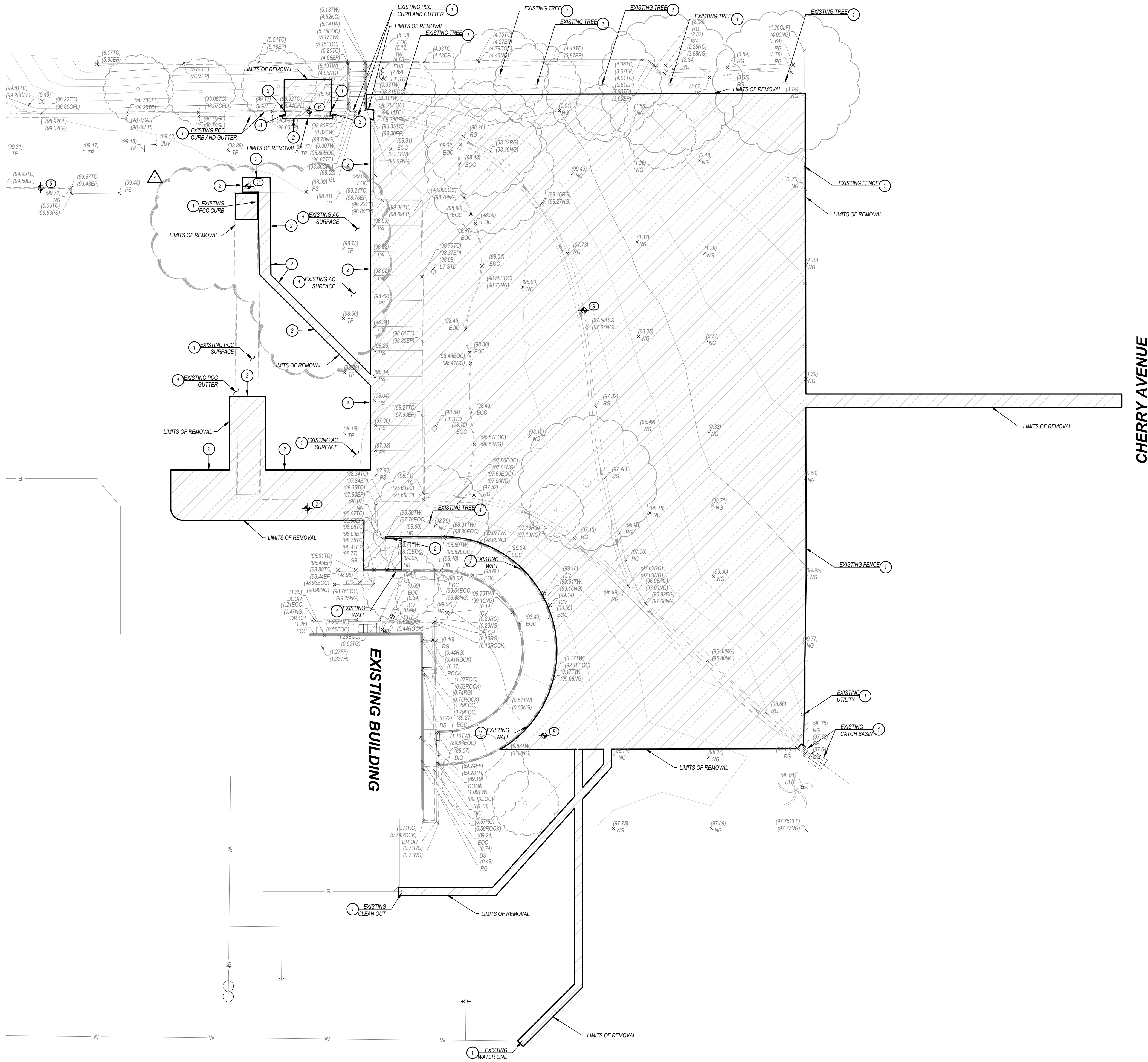
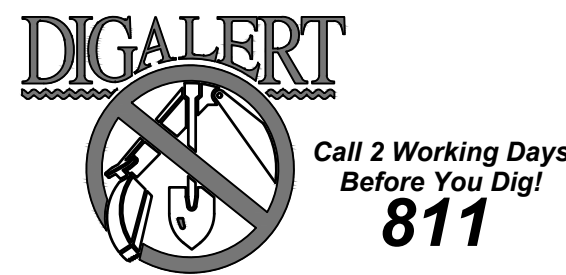
CALIFORNIA STEEL WAY

INDEX MAP  
SCALE 1" = 40'



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1





#### GRADING DEMOLITION NOTES

- PROTECT IN PLACE SPECIFIED ITEM
- SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT
- SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, AND/OR SIDEWALK

#### GENERAL NOTES:

THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 11/25/2024 BY EPIC ENGINEERS.

IN PREPARING THESE PLANS, EPIC ENGINEERS, INC. DID A THOROUGH SEARCH FOR ALL EXISTING PLANS AND COMPILED A FIELD SURVEY OF ALL ABOVE GROUND APPURTENANCES. EPIC ENGINEERS, INC. PROVIDES NO WARRANTY AND ACCEPTS NO RESPONSIBILITY AS TO THE ACTUAL LOCATION OF ANY UNDERGROUND OR ABOVE GROUND UTILITY EITHER INSTALLED BEFORE OR AFTER THE DATE OF PREPARATION OF THESE PLANS. CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT (811) TO VERIFY LOCATION OF EXISTING UTILITY LOCATIONS AND SHALL CONTACT THE ENGINEER OF RECORD IF THERE IS ANY MATERIAL DISCREPANCY.

BEFORE USING THIS MAP FOR DESIGN PURPOSES, ALL EASEMENT OF RECORD AND SETBACK LINES DEFINED IN COVENANTS, CONDITIONS, AND RESTRICTIONS OF RECORD AFFECTING THIS PROPERTY SHOULD BE PLOTTED ON THIS MAP FROM A CURRENT TITLE REPORT SO THAT THESE EASEMENTS AND SETBACK LINES OF RECORD CAN BE PLOTTED ON THIS MAP. THIS MAP SHOULD BE EXPANDED TO MEET ALTA REQUIREMENTS IF FINANCING IS TO BE OBTAINED FOR THE PROJECT. REQUIRING AN EXTENDED COVERAGE POLICY OF TITLE INSURANCE.

THIS SURVEY DOES NOT INCLUDE EASEMENTS EXCEPT THOSE SPECIFICALLY DELINEATED HEREON.

#### BENCHMARK:

VERTICAL CONTROL FOR THIS SURVEY IS NAVD83 GEOD18 AS ESTABLISHED BY STATIC GPS BASED ON THE CORRS STATIONS LISTED UNDER THE BASIS OF BEARINGS SHOWN HEREON.

A TEMPORARY BENCHMARK WAS ESTABLISHED AT THE BASE CONTROL POINT NO. 5 REFERENCED ABOVE.

DESCRIPTION: SCORED X

ELEVATION: 1099.90' (NAVD83)

NORTHING: 162053.67 EASTING: 6715067.82

#### BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, SPC 0605, ZONE V.

BASED LOCALLY ON CONTINUOUS OPERATING REFERENCE STATIONS (CORS):

"ALP" AND "SWP" MAY BE 2011 EPOCH 2010.00

ALL BEARINGS SHOWN ON THIS MAP ARE GRID. ALL DISTANCES ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR OF: 0.99994234

#### TOPOGRAPHIC LEGEND:

AC	ASPHALTIC CONCRETE	①	IRRIGATION CONTROL VALVE
ACB	ASPHALT CONCRETE BERM	②	CONTROL POINT
ADA	AMERICAN DISABILITY ACT	③	TREE
BOLL	BOLLARD	④	DRAIN
BGG	BACKSIDE GROOVE	⑤	DOUBLE DETECTOR CHECK ASSEMBLY
CB	CATCH BASIN	⑥	POST INDICATOR VALVE
CF	CURB FLOWLINE	⑦	HOSE BIB
CLF	CHAIN LINK FENCE	⑧	HANDICAP
CLFG	CHAIN LINK FENCE GATE	⑨	DOOR
CLFH	CHAIN LINK FENCE HINGE	⑩	FIRE DEPARTMENT CONNECTION
CO	CLEANOUT	⑪	SIGN
COL	COLUMN	⑫	MANHOLE
COMM	COMMUNICATION	⑬	GUTTER LIP
CONC	CONCRETE	⑭	IRRIGATION CONTROL VALVE
COR	CORNER	⑮	INVERT STORM DRAIN
DF	DRINKING FOUNTAIN	⑯	INVERT SEWER
DH	DOOR HINGE	⑰	LIGHT STAND
DI	DRAIN INLET	⑱	MALEX
DIC	DRAIN INLET CORNER	⑲	MANHOLE
DR	DIRECT REFLECTION	⑳	POWER POLE
DS	DOWNSPOUT	㉑	FLOWLINE
EDB	EDGE OF BROCK	㉒	EDGE OF CONCRETE / BRICK
EDC	EDGE OF CONCRETE	㉓	EDGE OF PAVEMENT
EP	EDGE OF PAVEMENT	㉔	EDGE OF TRAVELLED PATH
ETP	EDGE OF TRAVELLED PATH	㉕	FIRE ACCESS
FA	FIRE ACCESS	㉖	FIRE DEPARTMENT CONNECTION
FDC	FIRE DEPARTMENT CONNECTION	㉗	FINISHED FLOOR
FF	FINISHED FLOOR	㉘	FIRE HYDRANT
FL	FINISHED FLOOR	㉙	FLAG POLE
FSC	FINISHED SURFACE CONCRETE	㉚	GRADE BREAK
GB	GRADE BREAK	㉛	GUTTER LIP
GL	GUTTER LIP	㉜	IRRIGATION CONTROL VALVE
ICV	IRRIGATION CONTROL VALVE	㉝	INVERT STORM DRAIN
I	INVERT STORM DRAIN	㉞	INVERT SEWER
INV	INVERT SEWER	㉟	LIGHT STAND
LT STD	LIGHT STAND	㊱	MALEX
MB	MALEX	㊲	MANHOLE
MN	MANHOLE	㊳	NATURAL GROUND
NO	NATURAL GROUND	㊴	PAINT STRIPS
PV	POST INDICATOR VALVE	㊵	POWER POLE
PS	PAINT STRIPS	㊶	POWER POLE
RG	RIBBON GUTTER	㊷	STEEL TUBE FENCE
SYF	STEEL TUBE FENCE	㊸	TOP OF CURB
TC	TOP OF CURB	㊹	TRUNCATED DOMES
TD	TRUNCATED DOMES	㊺	THRESHOLD
TH	THRESHOLD	㊻	TRAFFIC LIGHT
TL	TRAFFIC LIGHT	㊼	TOP OF PIPE
TOP	TOP OF PIPE	㊽	TOP OF PAVEMENT
TP	TOP OF PAVEMENT	㊾	TOP OF WALL
TW	TOP OF WALL	㊿	UTILITY BOX
UB	UTILITY BOX	①	UNKNOWN CLEANOUT
UCO	UNKNOWN CLEANOUT	②	UNDER SIDEWALK DRAIN
USDW	UNDER SIDEWALK DRAIN	③	UTILITY
UT	UTILITY	④	UTILITY VAULT
UTL	UTILITY VAULT	⑤	VAULT
V	VAULT	⑥	WOODCHIPS
WF	WROUGHT IRON FENCE	⑦	WHEEL STOP
WS	WHEEL STOP	⑧	WATER
V	VALVE		

#### TOPOGRAPHIC MAP

#### CHAFFEY COLLEGE IN TECH WELDING FACILITY

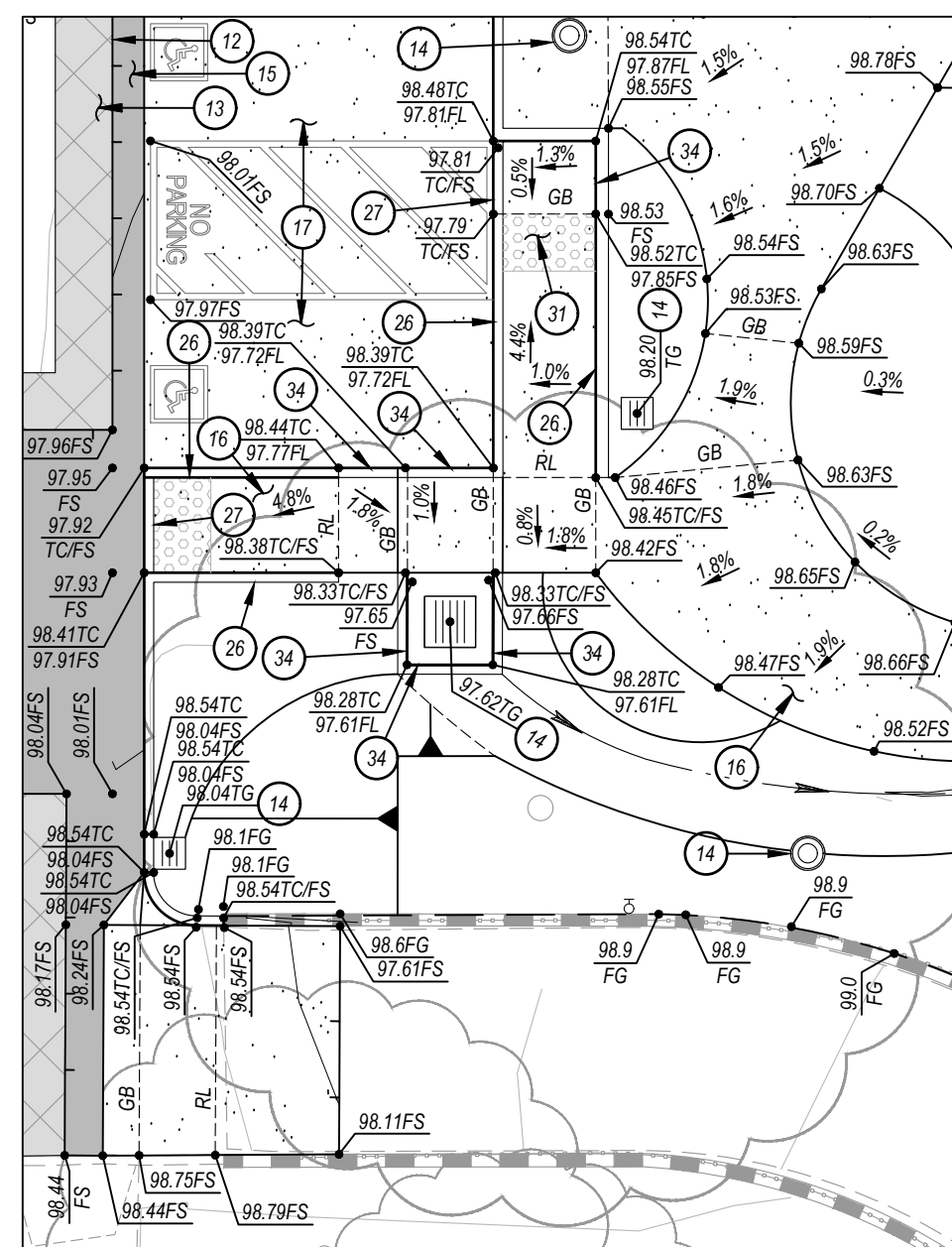
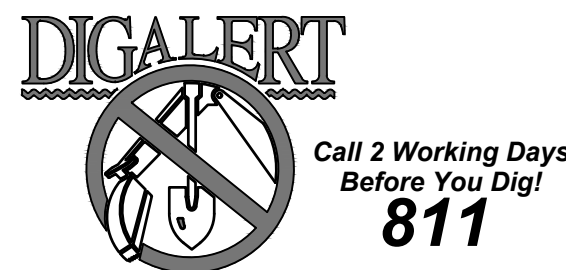
9400 CHERRY AVENUE, FONTANA, CA 92335



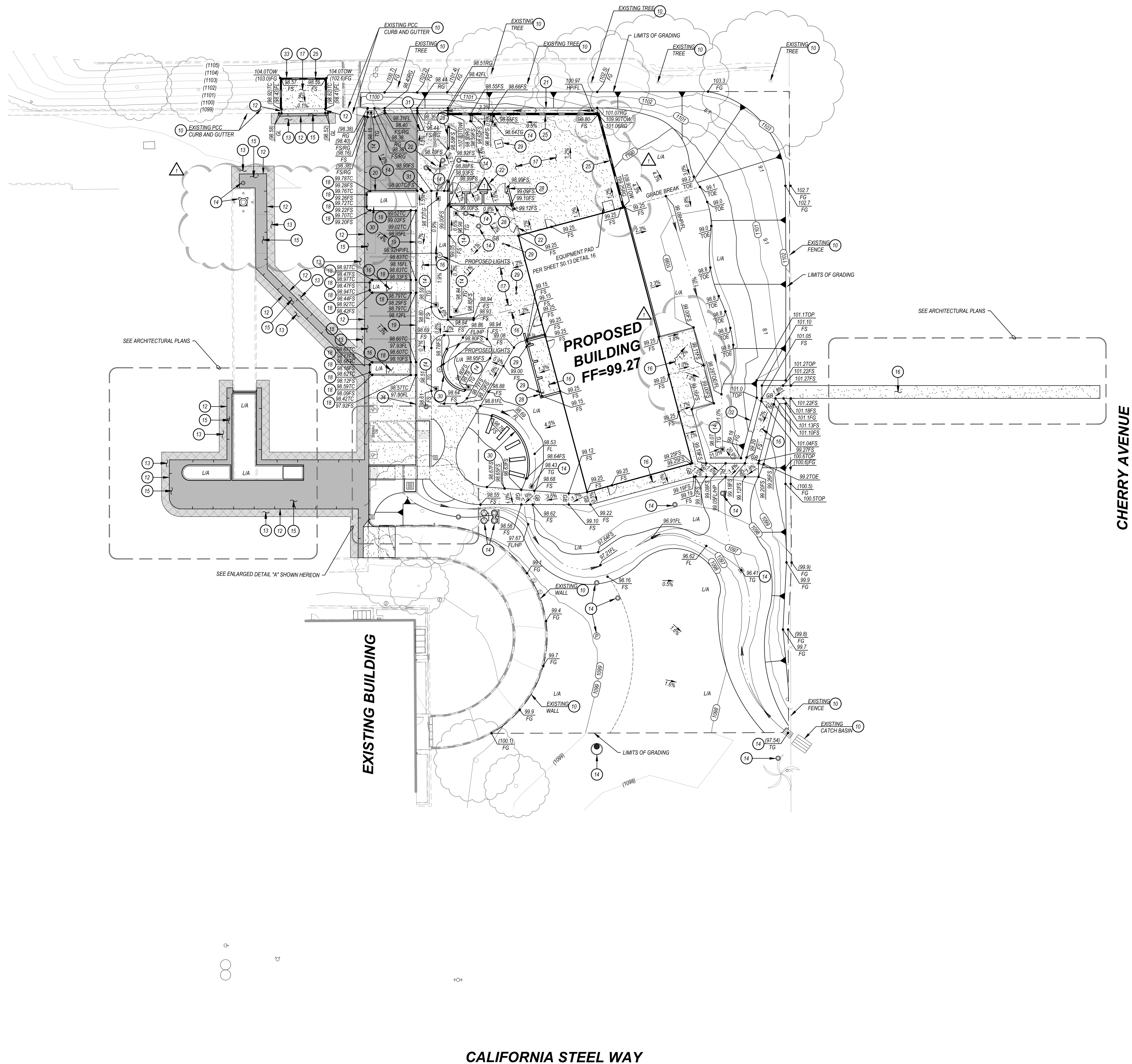
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/20/2025  
DATE: 11/22/2025  
DESCRIPTION: ADDENDUM 1

C-2.1  
CONSTRUCTION DOCUMENTS





**ENLARGED DETAIL "A"**  
SCALE: 1" = 10'



# GRADING CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING ITEM
2. ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
3. JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRADE, DOWELING FOR PCC ONLY
4. GRIND AND OVERLAY EXISTING ASPHALT SURFACE 0.12" MINIMUM PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRADE
5. SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
6. CONSTRUCT 4" AC OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, AND 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION, FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED.
7. CONSTRUCT 4" PCC (500-C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, WITH 43 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION, WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS.
8. CONSTRUCT 6" PCC (500-C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, WITH 43 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION, WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS.
9. CONSTRUCT CURB TYPE A1-4 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
10. CONSTRUCT CURB TYPE A2-8 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
11. CONSTRUCT 10" PCC (500-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
12. CONSTRUCT 10" PCC (500-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
13. FURNISH AND INSTALL SITE FENCING & GATES PER ARCHITECT'S PLANS AND SPECIFICATIONS
14. PAINT / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER ARCHITECT'S PLANS AND SPECIFICATIONS
15. CONSTRUCT PCC CURB EXTENSION PER DETAIL "E" ON SHEET C-6.1
16. CONSTRUCT CMU RETAINING WALL PER STRUCTURAL ENGINEER'S DETAILS
17. CONSTRUCT 10" PCC (500-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
18. CONSTRUCT 10" PCC (500-C-2500) CURB ONLY PER DETAIL "F" ON SHEET C-6.1
19. CONSTRUCT FREE STANDING WALL PER ARCHITECT'S DETAILS AND SPECIFICATIONS
20. CONSTRUCT COLUMN PER ARCHITECT'S DETAILS AND SPECIFICATIONS
21. CONSTRUCT MOW CURB PER ARCHITECT'S DETAILS AND SPECIFICATIONS
22. CONSTRUCT TRUNCATED DOME PER ARCHITECT'S DETAIL
23. FURNISH AND INSTALL HANDRAILS PER ARCHITECT'S DETAILS ON SHEET A1.32 AND SPECIFICATIONS
24. CONSTRUCT WEEP HOLES PER STRUCTURAL ENGINEER'S PLANS, DETAILS, AND SPECIFICATIONS
25. CONSTRUCT CURB TYPE A1-8 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2

## PRECISE GRADING PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

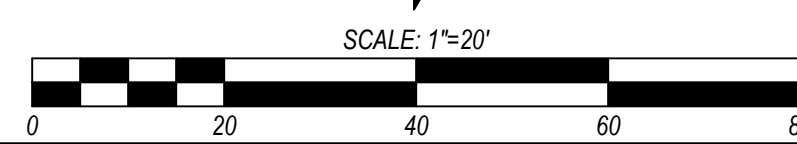
CONSULTANT:



PROJECT NUMBER: 23-46102-00  
 PROJECT STATUS: 100% CD  
 SHEET ISSUED: 08/28/2025  
 DELTA: DATE: 11/12/2025  
 DESCRIPTION: ADDENDUM 1

44

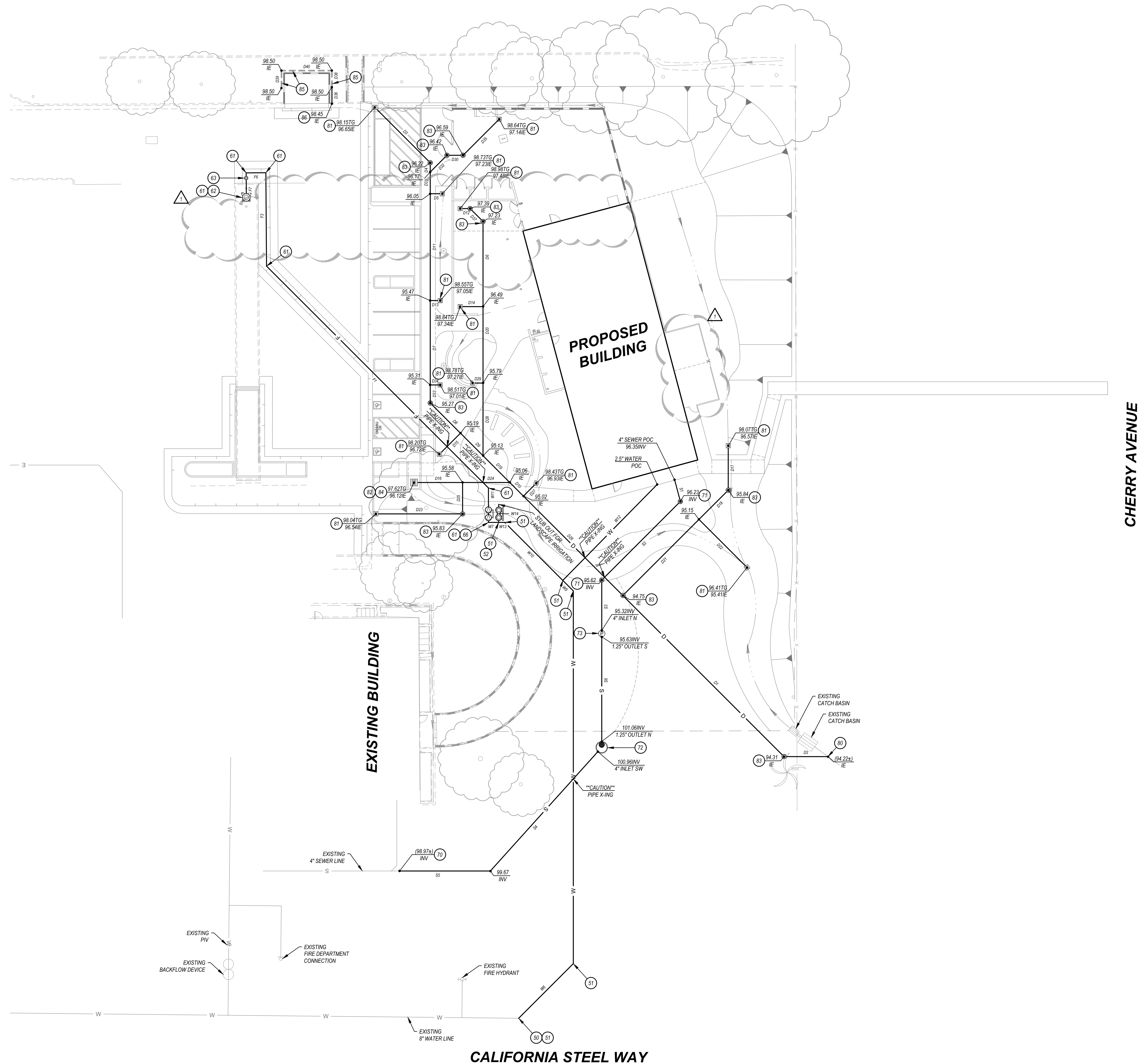
**C-3.1**  
CONSTRUCTION DOCUMENTS







Call 2 Working Days  
Before You Dig!  
**811**



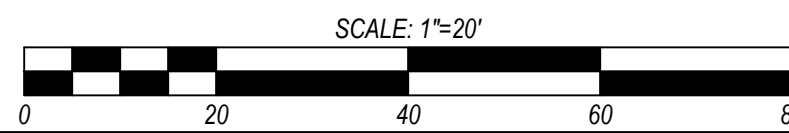
NAME	BEARING	LENGTH	SLOPE	DESCRIPTION
S1	S15° 00' 00\"E	8.68	S=0.0142	4\" SDR 35 PVC SEWER PIPE
S2	S45° 00' 00\"W	43.02	S=0.0142	4\" SDR 35 PVC SEWER PIPE
S3	S0° 00' 00\"E	20.72	S=0.0142	4\" SDR 35 PVC SEWER PIPE
S4	S45° 00' 00\"W	64.40	S=0.0200	4\" SDR 35 PVC SEWER PIPE
S5	N80° 00' 00\"W	35.13	S=0.0200	4\" SDR 35 PVC SEWER PIPE
S6	S0° 00' 00\"E	44.01	S=0.0224	1.25\" SCHEDULE 80 PVC SEWER PIPE

NAME	BEARING	LENGTH	DESCRIPTION
F1	N45° 00' 00\"W	121.39	8\" CLASS 305 DR-14 C900 PVC WATER LINE
F2	N90° 30' 00\"W	24.66	8\" CLASS 305 DR-14 C900 PVC WATER LINE
F3	N00° 30' 00\"W	36.16	8\" CLASS 305 DR-14 C900 PVC WATER LINE
F4	S89° 30' 49\"W	7.60	8\" CLASS 305 DR-14 C900 PVC WATER LINE
F5	S89° 30' 49\"W	11.80	8\" CLASS 305 DR-14 C900 PVC WATER LINE
F6	N89° 31' 58\"E	7.63	8\" CLASS 305 DR-14 C900 PVC WATER LINE
F7	S00° 28' 02\"E	9.50	8\" CLASS 305 DR-14 C900 PVC WATER LINE
F8	N89° 30' 40\"E	62.76	8\" CLASS 305 DR-14 C900 PVC WATER LINE
F9	N73° 18' 36\"E	38.16	8\" CLASS 305 DR-14 C900 PVC WATER LINE

NAME	BEARING	LENGTH	DESCRIPTION
W6	N45° 00' 00\"E	29.89	8\" CLASS 305 DR-14 C900 PVC WATER LINE
W7	N80° 00' 00\"W	3.94	8\" CLASS 305 DR-14 C900 PVC WATER LINE
W8	N00° 00' 00\"E	144.22	8\" CLASS 305 DR-14 C900 PVC WATER LINE
W9	N45° 00' 00\"W	5.77	8\" CLASS 305 DR-14 C900 PVC WATER LINE
W10	N45° 00' 00\"W	31.74	8\" CLASS 305 DR-14 C900 PVC WATER LINE
W11	N00° 00' 00\"E	13.34	8\" CLASS 305 DR-14 C900 PVC WATER LINE
W12	N44° 31' 35\"E	52.08	2\" SCHEDULE 80 WATER LINE
W13	N00° 00' 00\"E	2.37	2\" SCHEDULE 80 WATER LINE
W14	N00° 18' 50\"E	7.00	2\" SCHEDULE 80 WATER LINE

NAME	BEARING	LENGTH	SLOPE	DESCRIPTION
D1	S45° 00' 00\"E	88.17	S=0.0050	8\" SDR 35 PVC STORM DRAIN PIPE
D2	N00° 00' 00\"E	17.01	S=0.0050	8\" SDR 35 PVC STORM DRAIN PIPE
D3	S45° 00' 00\"E	30.34	S=0.0141	6\" SDR 35 PVC STORM DRAIN PIPE
D4	S0° 00' 00\"E	3.57	S=0.0141	6\" SDR 35 PVC STORM DRAIN PIPE
D5	N80° 00' 00\"W	4.67	S=0.2529	6\" SDR 35 PVC STORM DRAIN PIPE
D6	S0° 00' 00\"E	32.94	S=0.0226	6\" SDR 35 PVC STORM DRAIN PIPE
D7	S0° 00' 00\"E	32.67	S=0.0050	8\" SDR 35 PVC STORM DRAIN PIPE
D8	S45° 00' 00\"E	16.53	S=0.0050	8\" SDR 35 PVC STORM DRAIN PIPE
D9	S45° 00' 00\"E	12.34	S=0.0049	8\" SDR 35 PVC STORM DRAIN PIPE
D10	S45° 00' 00\"E	7.44	S=0.0050	8\" SDR 35 PVC STORM DRAIN PIPE
D11	S0° 00' 00\"E	41.33	S=0.0141	8\" SDR 35 PVC STORM DRAIN PIPE
D12	N00° 00' 00\"E	3.83	S=0.0226	6\" SDR 35 PVC STORM DRAIN PIPE
D13	N00° 00' 00\"W	3.83	S=0.4122	6\" SDR 35 PVC STORM DRAIN PIPE
D14	N00° 00' 00\"E	8.83	S=0.0062	6\" SDR 35 PVC STORM DRAIN PIPE
D15	N45° 00' 00\"E	11.51	S=0.1239	6\" SDR 35 PVC STORM DRAIN PIPE
D16	N00° 00' 00\"E	18.79	S=0.0206	8\" SDR 35 PVC STORM DRAIN PIPE
D17	S0° 00' 00\"E	17.17	S=0.0408	8\" SDR 35 PVC STORM DRAIN PIPE
D18	S45° 00' 00\"W	16.01	S=0.0408	8\" SDR 35 PVC STORM DRAIN PIPE
D19	S45° 00' 00\"E	14.65	S=0.0050	8\" SDR 35 PVC STORM DRAIN PIPE
D20	S0° 00' 00\"E	29.57	S=0.0237	6\" SDR 35 PVC STORM DRAIN PIPE

NAME	BEARING	LENGTH	SLOPE	DESCRIPTION
D21	S45° 00' 00\"W	41.64	S=0.0097	8\" SDR 35 PVC STORM DRAIN PIPE
D22	N45° 00' 00\"W	26.30	S=0.0097	8\" SDR 35 PVC STORM DRAIN PIPE
D23	N80° 00' 00\"E	33.52	S=0.0212	6\" SDR 35 PVC STORM DRAIN PIPE
D24	N80° 00' 00\"E	18.26	S=0.0086	6\" SDR 35 PVC STORM DRAIN PIPE
D25	N00° 00' 00\"E	12.16	S=0.0207	6\" SDR 35 PVC STORM DRAIN PIPE
D26	S45° 00' 00\"E	54.41	S=0.0050	8\" SDR 35 PVC STORM DRAIN PIPE
D27	S45° 00' 00\"W	7.00	S=0.2759	6\" SDR 35 PVC STORM DRAIN PIPE
D28	S0° 00' 00\"E	28.13	S=0.0234	6\" SDR 35 PVC STORM DRAIN PIPE
D29	N00° 00' 00\"E	4.00	S=0.3036	6\" SDR 35 PVC STORM DRAIN PIPE
D30	N80° 00' 00\"W	6.25	S=0.0276	6\" SDR 35 PVC STORM DRAIN PIPE
D31	S0° 00' 00\"E	8.43	S=0.0141	6\" SDR 35 PVC STORM DRAIN PIPE
D32	S45° 00' 00\"W	9.14	S=0.0276	6\" SDR 35 PVC STORM DRAIN PIPE
D33	S0° 00' 00\"E	6.97	S=0.0050	6\" SDR 35 PVC STORM DRAIN PIPE
D34	N80° 00' 00\"W	3.83	S=0.4435	6\" SDR 35 PVC STORM DRAIN PIPE
D35	S45° 00' 00\"W	19.75	S=0.0276	6\" SDR 35 PVC STORM DRAIN PIPE
D36	S0° 00' 00\"E	6.38	S=0.0078	4\" SDR 35 PVC STORM DRAIN PIPE
D37	S45° 00' 00\"E	7.07	S=0.0226	4\" PERFORATED SCH 20 S PVC PIPE
D38	S0° 00' 00\"E	6.38	S=0.0000	4\" PERFORATED SCH 20 S PVC PIPE
D39	N00° 00' 00\"E	6.75	S=0.0000	4\" PERFORATED SCH 20 S PVC PIPE
D40	N80° 00' 00\"E	19.50	S=0.0000	4\" PERFORATED SCH 20 S PVC PIPE



# UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

## DOMESTIC WATER AND LANDSCAPE WATER

- (60) CONNECT TO EXISTING WATER LINE
- (61) CONSTRUCT THRUST BLOCK PER DETAIL "Y" ON SHEET C-6.1
- (62) FURNISH & INSTALL 2\" LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 375XL OR APPROVED EQUAL) PER CUTSHEET ON C-6.2

## FIRE

- (63) NOTE NOT USED
- (64) CONSTRUCT THRUST BLOCK PER DETAIL "Y" ON SHEET C-6.1
- (65) FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (ZONES 800/800 CR OR DR) PER MANUFACTURER'S DETAILS ON SHEET C-6.2 FIRE HYDRANT BREAK AWAY SPOOL & BURY TO HAVE MATCHING BOLTS PATTERNS
- (66) FURNISH & INSTALL 6\" GATE VALVE (SMALLER ASSEMBLY MODEL "P" OR APPROVED EQUAL) IN RISSY CAN PER DETAIL "Y" ON SHEET C-6.1 AND CUTSHEET ON C-6.2
- (67) NOTE NOT USED
- (68) NOTE NOT USED
- (69) FURNISH & INSTALL 8\" DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 350AST) PER CUTSHEET ON C-6.3

## SEWER

- (70) CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- (71) CONSTRUCT PVC SEWER CLEAOUT PER DETAIL "K" ON SHEET C-6.2
- (72) CONSTRUCT SEWER MANHOLE PER SPWV 2009 ED. STD. PLAN 200-3 PER CUTSHEET ON SHEET C-6.3
- (73) FURNISH & INSTALL SEWER GRINDER PUMP (E ONE SEWER SYSTEMS' MODEL D4071 OR APPROVED EQUAL) PER CUTSHEET ON SHEET C-6.3

## STORM DRAIN

- (80) CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- (81) FURNISH & INSTALL 12\" X 12\" PREFABRICATED CATCH BASIN (AAR CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- (82) FURNISH & INSTALL 24\" X 24\" PREFABRICATED CATCH BASIN (AAR CB2122 OR APPROVED EQUAL) PER DETAIL "I" ON SHEET C-6.1
- (83) CONSTRUCT PVC STORM DRAIN CLEAOUT PER DETAIL "K" ON SHEET C-6.2
- (84) CONSTRUCT CURB OUTLET STRUCTURE PER CUTSHEET ON C-6.3
- (85) FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORATED PIPE PER DETAIL "M" ON SHEET C-6.2
- (86) CORE THROUGH EXISTING CURB 0.04\" ABOVE EXISTING FLOWLINE

# COMPOSITE UTILITIES PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

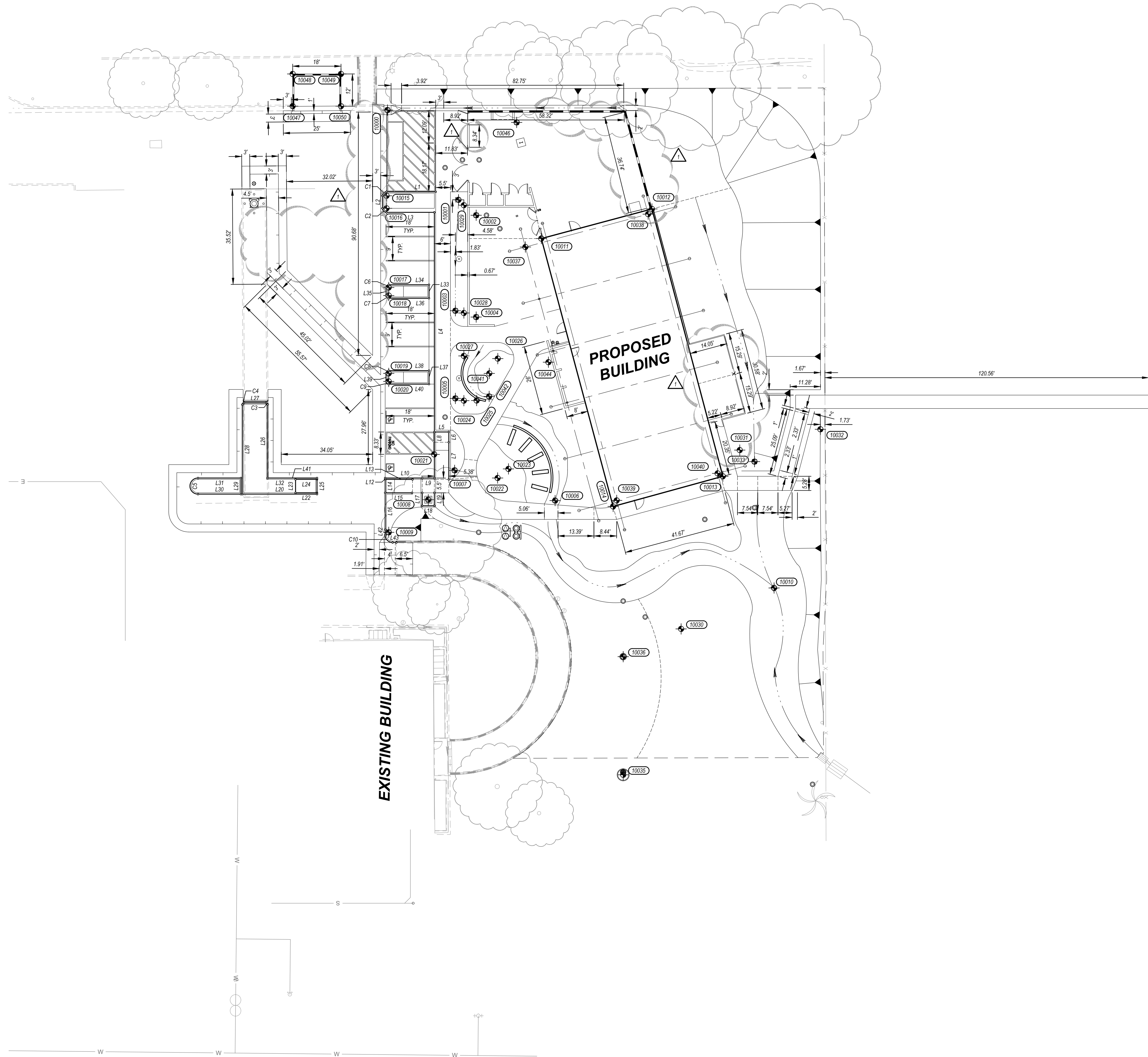
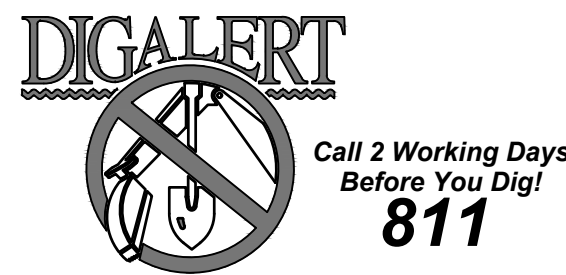


PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION: ADEQUIM1

44

**C-4.1**  
CONSTRUCTION DOCUMENTS





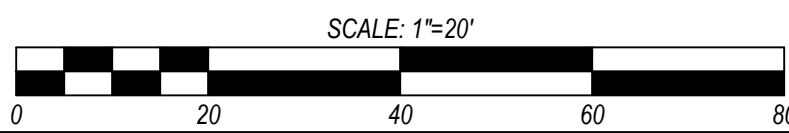
CALIFORNIA STEEL WAY

CHERRY AVENUE

HORIZONTAL CONTROL TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
10000	1852681.37	6716095.94	CENTER OF CATCH BASIN
10001	1852647.92	6716122.40	CENTER OF CATCH BASIN
10002	1852642.19	6716128.88	CENTER OF CATCH BASIN
10003	1852606.59	6716121.23	CENTER OF CATCH BASIN
10004	1852604.25	6716128.88	CENTER OF CATCH BASIN
10005	1852573.93	6716121.23	CENTER OF CATCH BASIN
10006	1852535.87	6716158.38	CENTER OF CATCH BASIN
10007	1852547.13	6716120.94	CENTER OF CATCH BASIN
10008	1852536.18	6716111.12	CENTER OF CATCH BASIN
10009	1852524.03	6716096.40	CENTER OF CATCH BASIN
10010	1852503.29	6716228.85	CENTER OF CATCH BASIN
10011	1852633.49	6716153.25	CORNER OF PROPOSED BUILDING
10012	1852644.53	6716194.46	CORNER OF PROPOSED BUILDING
10013	1852644.91	6716220.87	CORNER OF PROPOSED BUILDING
10014	1852533.68	6716179.99	CORNER OF PROPOSED BUILDING
10015	1852649.43	6716095.61	CENTER OF CURVE RADIUS
10016	1852644.76	6716095.61	CENTER OF CURVE RADIUS
10017	1852615.26	6716096.40	CENTER OF CURVE RADIUS
10018	1852612.26	6716096.40	CENTER OF CURVE RADIUS
10019	1852583.26	6716096.40	CENTER OF CURVE RADIUS
10020	1852580.26	6716096.40	CENTER OF CURVE RADIUS
10021	1852553.06	6716113.33	CENTER OF CURVE RADIUS
10022	1852544.28	6716136.96	CENTER OF CURVE RADIUS
10023	1852642.66	6716141.02	CENTER OF CURVE RADIUS
10024	1852673.09	6716194.40	CENTER OF CURVE RADIUS
10025	1852673.15	6716129.14	CENTER OF CURVE RADIUS
10026	1852688.76	6716137.03	CENTER OF CURVE RADIUS
10027	1852589.76	6716124.40	CENTER OF CURVE RADIUS
10028	1852603.76	6716124.40	CENTER OF CURVE RADIUS
10029	1852645.93	6716124.40	CENTER OF CURVE RADIUS
10030	1852488.04	6716205.33	CENTER OF CURVE RADIUS
10031	1852554.69	6716227.18	CENTER OF CURVE RADIUS
10032	1852662.43	6716257.21	CENTER OF CURVE RADIUS
10033	1852550.38	6716232.87	CENTER OF CATCH BASIN
10035	1852433.69	6716183.74	CENTER OF MANHOLE
10036	1852477.70	6716183.74	CENTER OF GRINDER PUMP
10037	1852630.34	6716147.32	INTERSECTION OF BLDG GRID C & 2
10038	1852642.59	6716193.04	INTERSECTION OF BLDG GRID A & 2
10039	1852635.93	6716181.33	INTERSECTION OF BLDG GRID B & 7
10040	1852546.00	6716216.92	INTERSECTION OF BLDG GRID A & 7
10041	1852583.24	6716133.87	CENTER OF CURVE RADIUS
10042	1852574.67	6716133.81	CENTER OF CATCH BASIN
10044	1852587.43	6716155.90	CENTER OF CURVE RADIUS
10045	25.63	17.50	CENTER OF CATCH BASIN
10046	1852676.77	6716144.06	CENTER OF CATCH BASIN
10047	1852682.82	6716060.61	CMU WALL END
10048	1852694.82	6716060.61	CMU WALL CORNER
10049	1852694.82	6716078.61	CMU WALL CORNER
10050	1852682.82	6716078.61	CMU WALL END

CURVE DATA TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	2.36'	1.50'	90° 00' 00.00"
C2	2.36'	1.50'	90° 00' 00.00"
C3	0.94'	0.55'	98° 07' 48.91"
C4	0.99'	0.63'	90° 00' 00.00"
C5	9.42'	3.00'	180° 00' 00.00"
C6	1.57'	1.00'	90° 00' 00.00"
C7	1.57'	1.00'	90° 00' 00.00"
C8	1.57'	1.00'	90° 00' 00.00"
C9	1.57'	1.00'	90° 00' 00.00"

LINE DATA TABLE		
LINE	BEARING	DISTANCE
L1	N80° 00' 00.00"E	18.29'
L2	N00° 00' 00.00"E	4.67'
L3	N80° 00' 00.00"W	17.79'
L5	N60° 00' 00.00"E	3.38'
L6	S00° 00' 00.00"E	3.83'
L7	S00° 00' 00.00"E	13.83'
L8	N00° 00' 00.00"E	99.00'
L9	N00° 00' 00.00"W	4.50'
L10	N00° 00' 00.00"W	13.83'
L11	S89° 58' 27.28"E	10.21'
L12	S00° 00' 00.00"E	0.90'
L13	S89° 58' 27.28"E	10.21'
L14	S00° 00' 00.00"E	5.00'
L15	N60° 00' 00.00"W	10.00'
L16	S00° 00' 00.00"E	13.73'
L17	S00° 00' 21.41"W	4.83'
L18	S89° 55' 23.59"E	4.50'
L19	N00° 00' 21.41"E	4.83'
L20	N60° 00' 00.00"E	27.83'
L21	N60° 00' 00.00"E	27.83'
L22	N60° 00' 00.00"W	5.00'
L23	S00° 00' 00.00"E	5.00'
L24	N60° 00' 00.00"E	5.00'
L25	S00° 00' 00.00"E	5.00'
L26	N00° 00' 00.00"E	27.46'
L27	N60° 00' 00.00"W	8.24'
L28	S00° 00' 00.00"W	33.37'
L29	N00° 00' 00.00"E	6.00'
L30	N60° 00' 00.00"E	16.00'
L31	N00° 00' 00.00"W	16.00'
L32	N00° 00' 00.00"W	18.33'
L33	N00° 00' 00.00"E	5.00'
L34	N60° 00' 00.00"E	15.00'
L35	S00° 00' 00.00"E	3.00'
L36	N60° 00' 00.00"E	15.00'
L37	N00° 00' 00.00"E	5.00'
L38	N60° 00' 00.00"W	15.00'
L39	S00° 00' 00.00"E	3.00'
L40	N60° 00' 00.00"E	15.00'
L41	N60° 00' 00.00"W	18.33'



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DELTA: DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

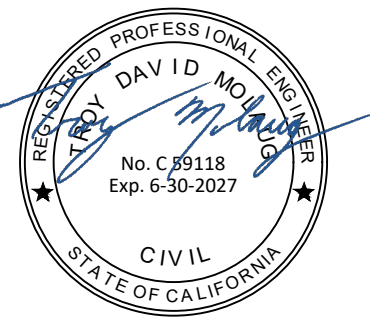
C-5.1  
CONSTRUCTION DOCUMENTS

HORIZONTAL CONTROL

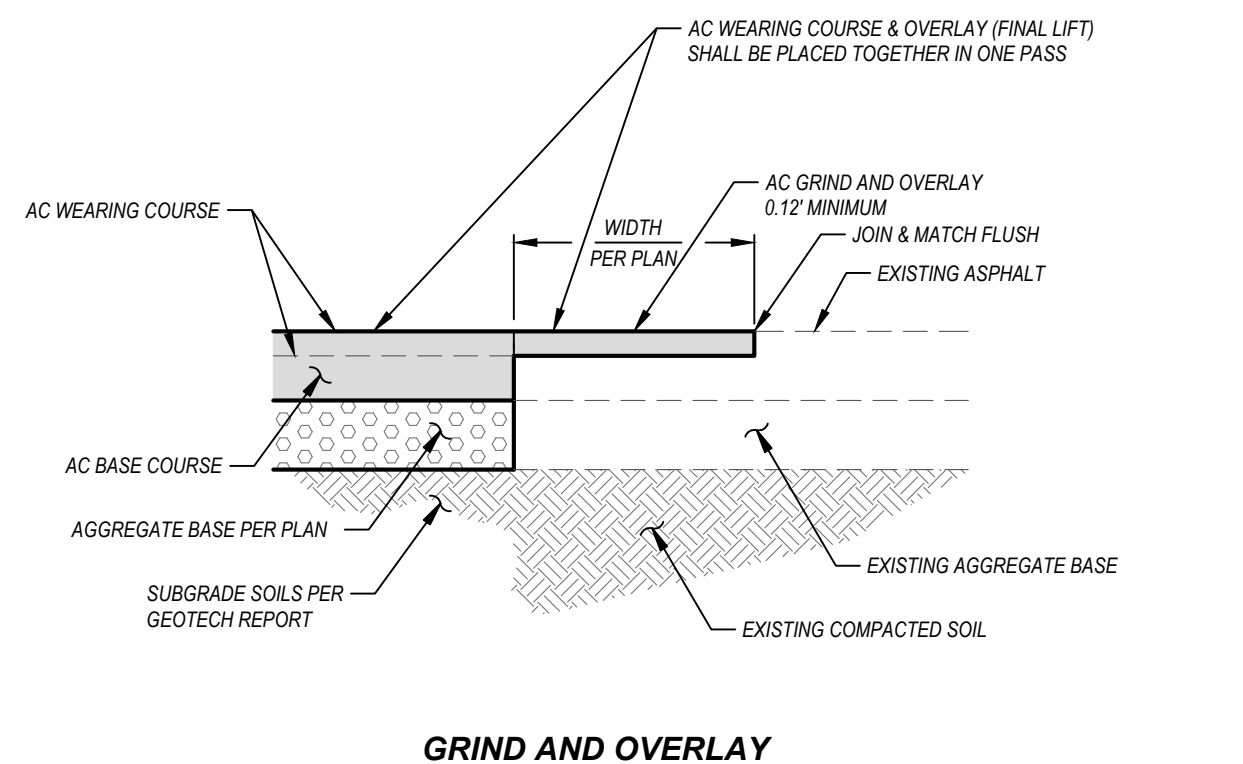
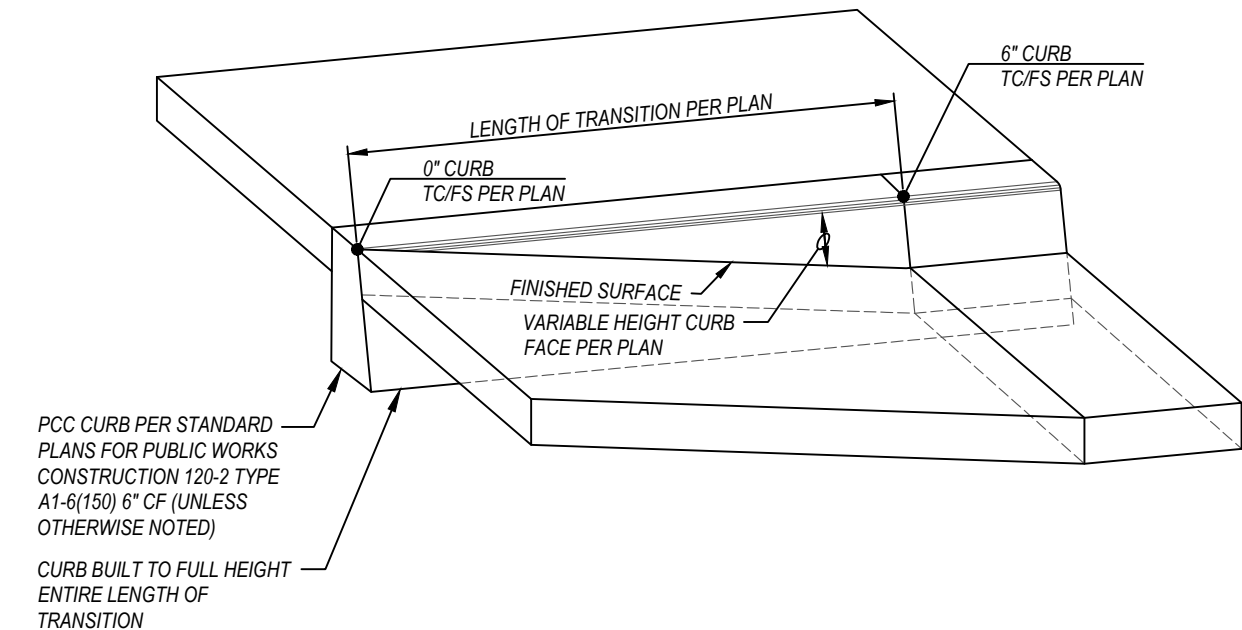
CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

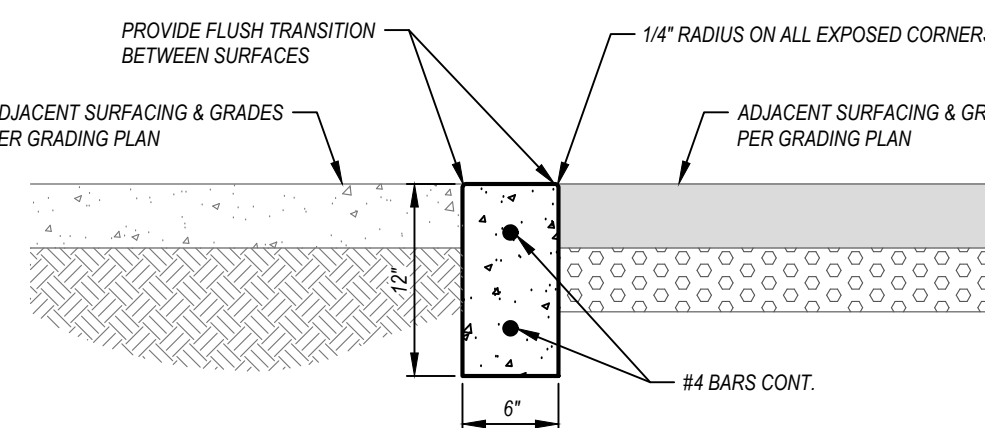
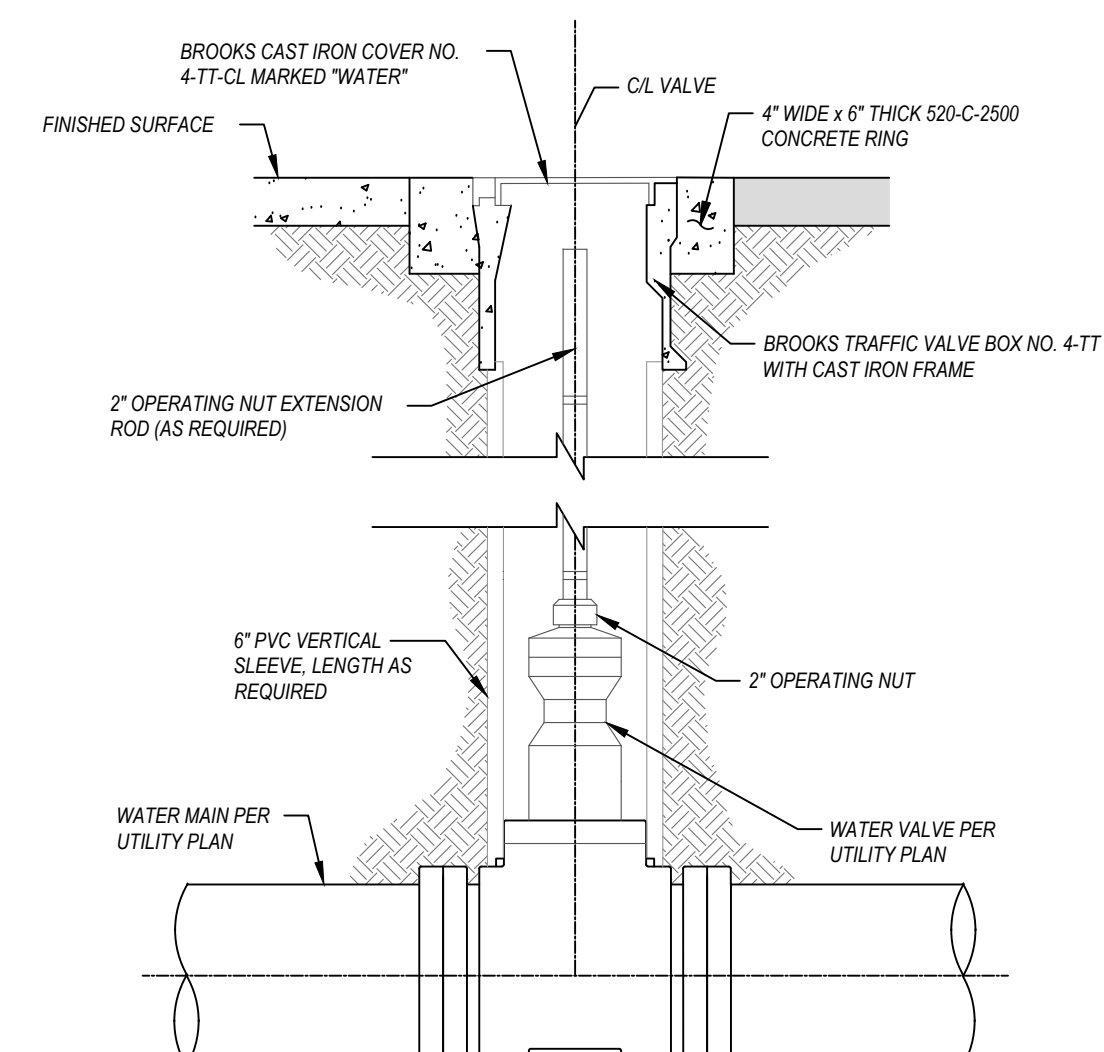
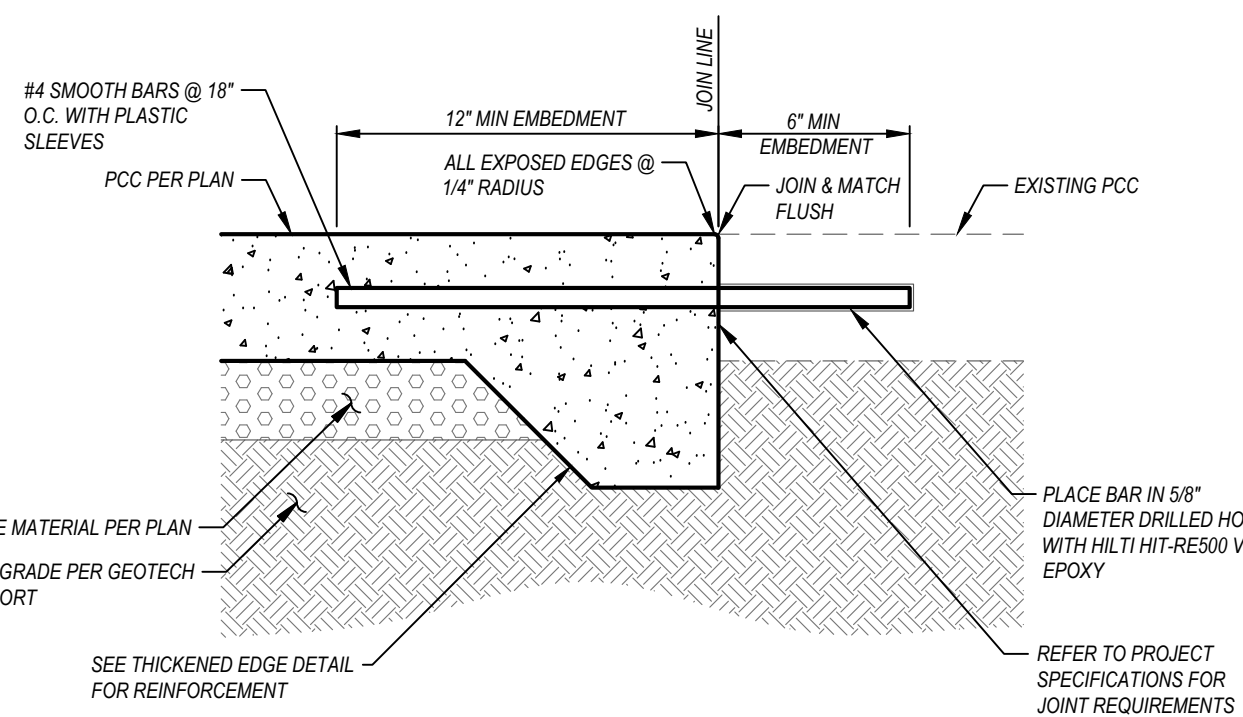
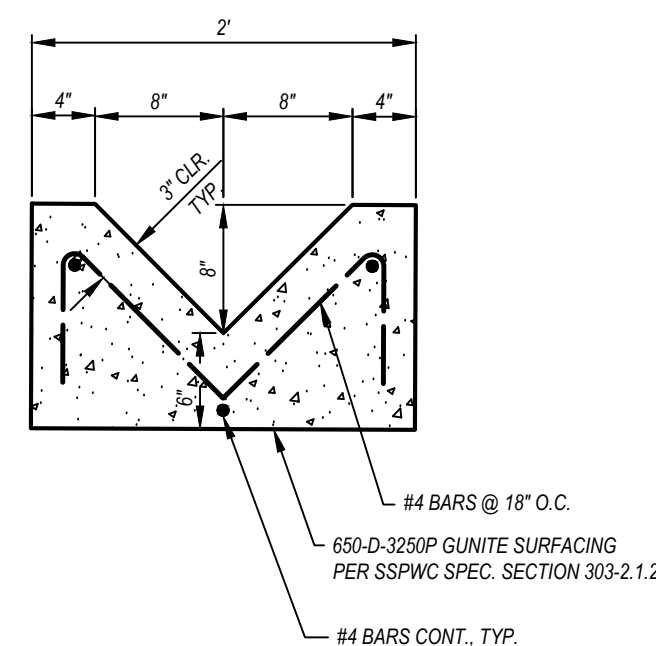
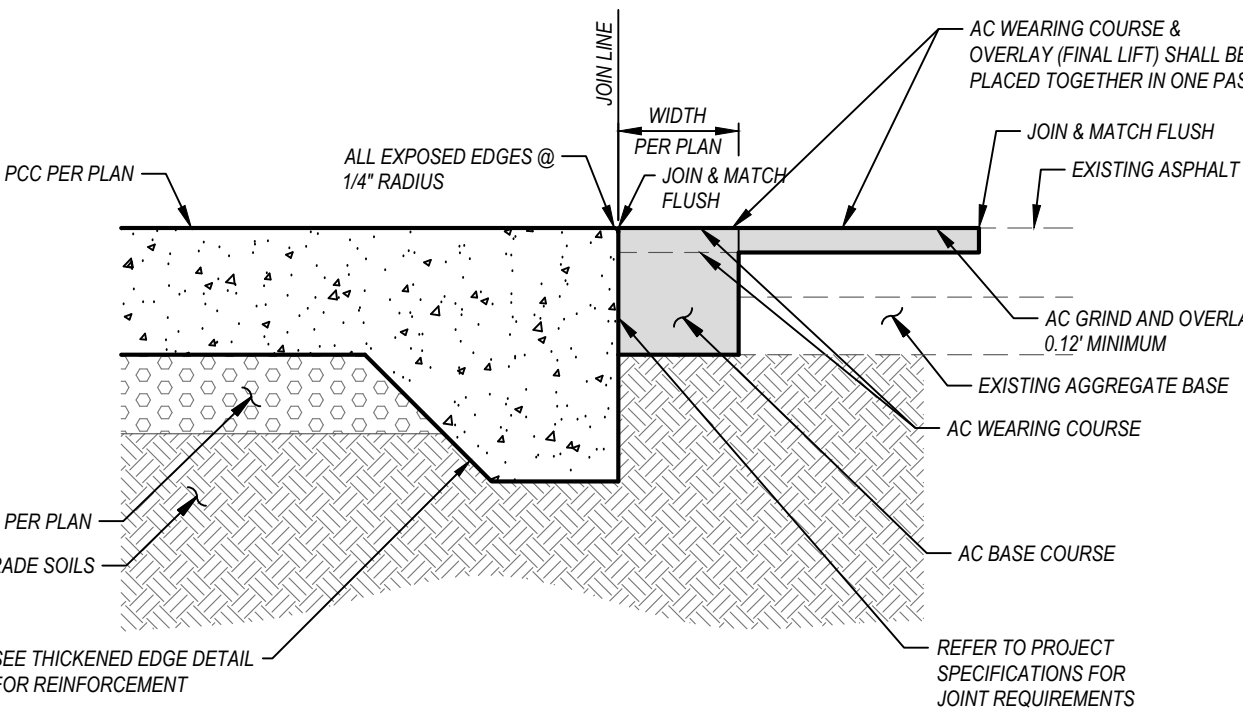
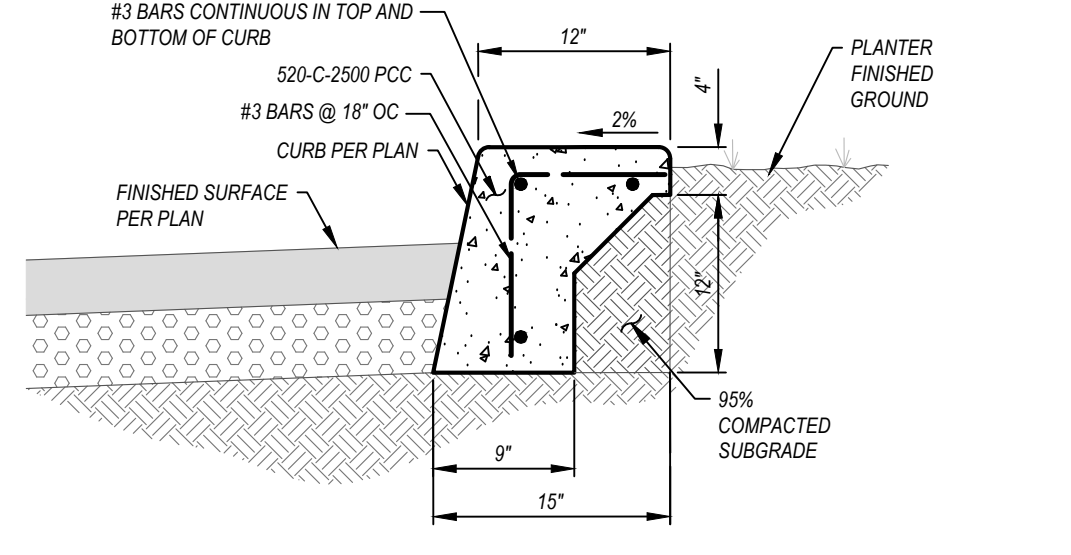
CONSULTANT:



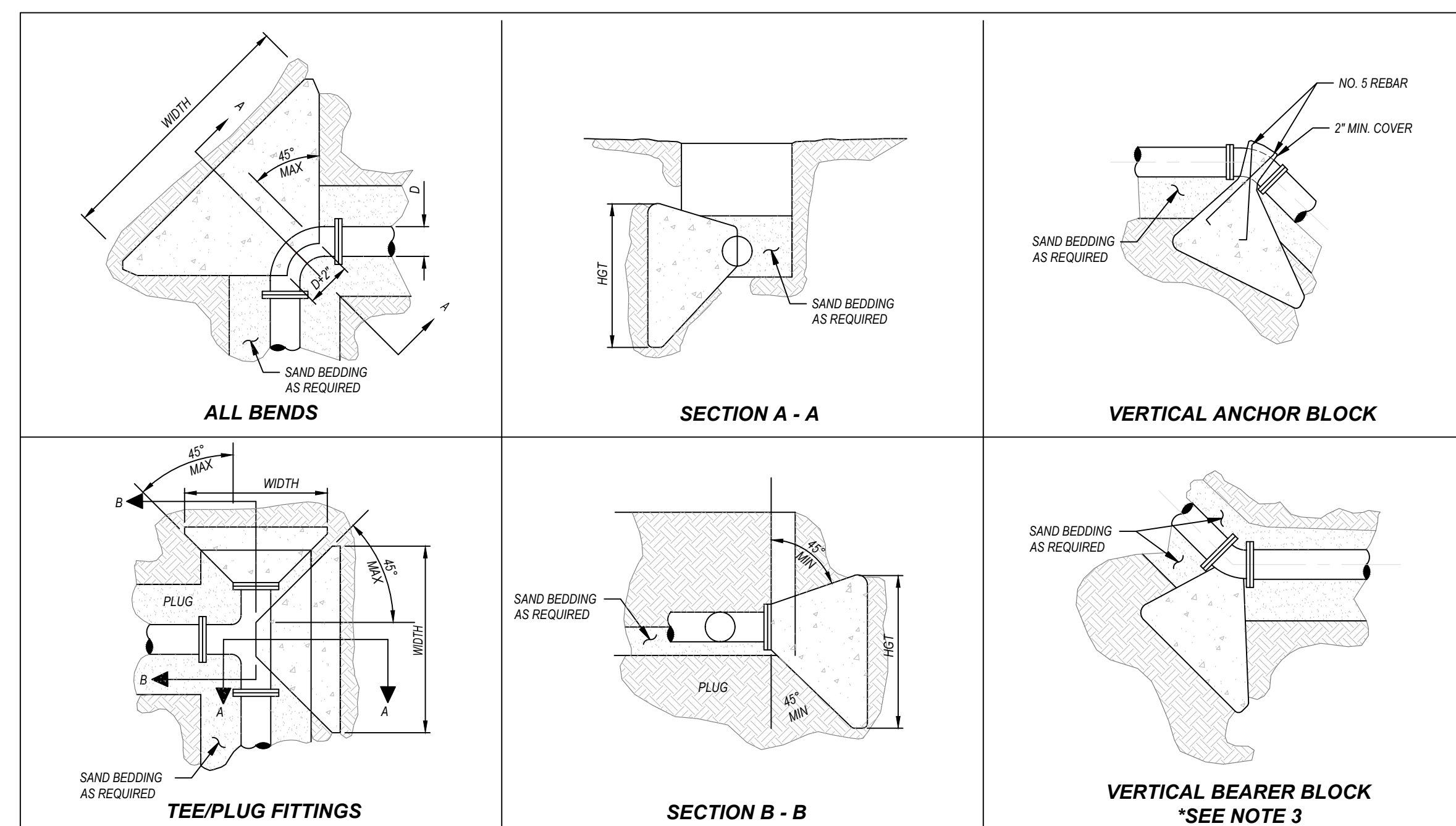


**GRIND AND OVERLAY****JOIN & MATCH ASPHALT**  
NOT TO SCALE**DETAIL "C"**  
0'-6" CURB TRANSITION  
NOT TO SCALE

- NOTES:
- CURB SHALL BE CONSTRUCTED OF 500-C-2000 PCC, MINIMUM (UNLESS OTHERWISE NOTED ON PLAN)
  - TC AND FS ELEVATIONS PER GRADING PLAN

**DETAIL "G"**  
0' PCC CURB  
NOT TO SCALE**DETAIL "I"**  
RSGV IN CAN  
NOT TO SCALE**DOWELING DETAIL AT EXISTING PCC****JOIN & MATCH CONCRETE**  
NOT TO SCALE**DETAIL "D"**  
2' GUNITE V-DITCH  
NOT TO SCALE**DETAIL "A"**  
JOIN & MATCH ASPHALT  
NOT TO SCALE**DETAIL "E"**  
PCC CURB EXTENSION  
NOT TO SCALE

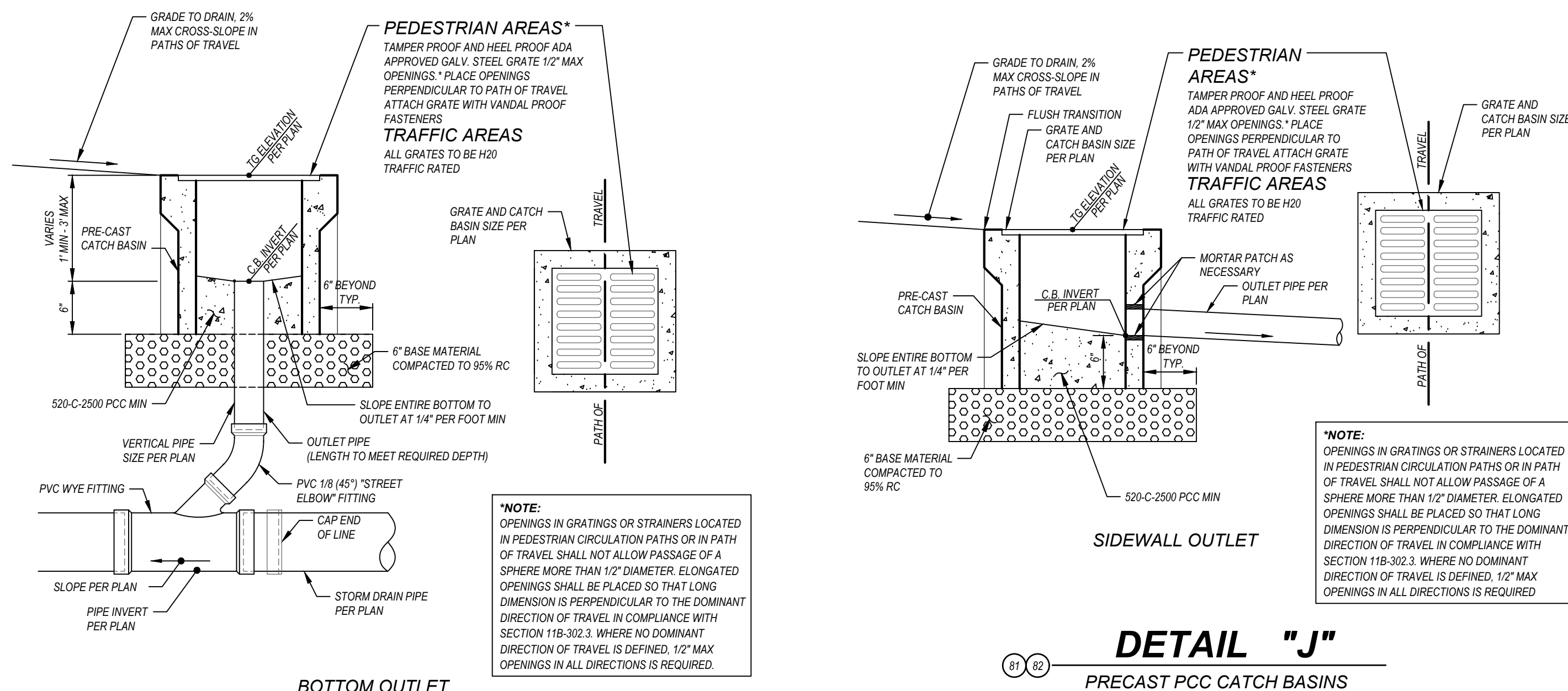
\*NOTE TO CONTRACTOR: REINFORCEMENT AT CURB EXTENSION ONLY



PIPE SIZE (INCH)	TYPE OF FITTING	THRUST BLOCK TABLE		VERT. ANCHOR BLOCK MIN. VOLUME (CUBIC FEET)
		SAFE SOL. BEARING PRESSURE (PSF)	BEARING AREA WORKING PRESSURE (150 PSI) NOT x WIDTH	
10	TEE/PLUG	1500	5.00' x 5.00'	
10	90° BEND	1500	4.00' x 4.50'	
10	45° BEND	1500	3.50' x 3.50'	91
10	22.5° BEND	1500	2.50' x 2.50'	46
10	11.25° BEND	1500	1.50' x 2.00'	23
8	TEE/PLUG	1500	4.00' x 4.00'	
8	90° BEND	1500	3.50' x 3.50'	
8	45° BEND	1500	2.50' x 2.50'	58
8	22.5° BEND	1500	1.50' x 2.00'	30
8	11.25° BEND	1500	1.50' x 1.50'	15
6	TEE/PLUG	1500	3.00' x 3.00'	
6	90° BEND	1500	2.50' x 2.50'	
6	45° BEND	1500	2.00' x 2.00'	33
6	22.5° BEND	1500	1.50' x 1.50'	17
6	11.25° BEND	1500	1.00' x 1.00'	9
3.6	TEE/PLUG	1500	2.00' x 2.00'	
3.6	90° BEND	1500	1.50' x 2.00'	
3.6	45° BEND	1500	1.50' x 1.50'	15
3.6	22.5° BEND	1500	1.00' x 1.00'	8
3.6	11.25° BEND	1500	1.00' x 1.00'	4

**DETAIL "H"**  
THRUST BLOCK SCHEDULE  
NOT TO SCALE

- NOTES:
- PROVIDE CONCRETE THRUST BLOCK AT ALL PRESSURE PIPE
  - USE CLASS 400-C-2000 CONCRETE PER SSPWC, LATEST EDITION
  - VERTICAL BEARER BLOCK SIZE MAY BE 1/2 THE AREA SHOWN FOR HORIZONTAL BEARER BLOCKS
  - FULLY RESTRAINED JOINTS PER PIPE MANUFACTURERS RECOMMENDATIONS MAY BE USED IN LIEU OF THRUST BLOCKS ON DUCTILE IRON PIPE ONLY
  - NO CONCRETE SHALL BE POURED ON ANY PART OF THE JOINT
  - ADJ. APPROVED GALV. STEEL GRATE 12" MAX OPENINGS
  - THRUST BLOCKS SHOWN HEREON ARE NOT TO SCALE
  - BLOCK SIZES BASED UPON 1500 PSI ALLOWABLE HORIZONTAL AND VERTICAL BEARING RESPECTIVELY

**DETAIL "B"**  
PCC WITH THICKENED EDGE  
NOT TO SCALE**DETAIL "F"**  
0'-8" CURB TRANSITION  
NOT TO SCALE**GRADING CONSTRUCTION NOTES**

- PROTECT IN PLACE EXISTING ITEM
- ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
- JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCH GRADE, DOWELING FOR PCC ONLY
- GRIND AND OVERLAY EXISTING ASPHALT SURFACE 0.12" MINIMUM PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRADE
- SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
- CONSTRUCT 4" AC OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, AND 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED.
- CONSTRUCT 4" PCC (500-C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECTS PLANS AND SPECIFICATIONS.
- CONSTRUCT 6" PCC (500-C-3250) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 18" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECTS PLANS AND SPECIFICATIONS. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS.
- CONSTRUCT CURB TYPE A1-6 PER SSPWC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT CURB TYPE A2-8 PER SSPWC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT 0'-6" PCC (500-C-2000) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
- CONSTRUCT V-DITCH PER DETAIL "D" ON SHEET C-6.1
- FURNISH AND INSTALL SITE FENCING & GATES PER ARCHITECTS PLANS AND SPECIFICATIONS
- PAINT / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER ARCHITECTS PLANS AND SPECIFICATIONS
- CONSTRUCT PCC CURB EXTENSION PER DETAIL "E" ON SHEET C-6.1
- CONSTRUCT CMU RETAINING WALL PER STRUCTURAL ENGINEER'S DETAILS
- CONSTRUCT 0'-6" PCC (500-C-2000) CURB TRANSITION PER DETAIL "F" ON SHEET C-6.1
- CONSTRUCT 0' PCC (500-C-2500) CURB ONLY PER DETAIL "G" ON SHEET C-6.1
- CONSTRUCT FREE STANDING WALL PER ARCHITECTS DETAILS AND SPECIFICATIONS
- CONSTRUCT COLUMN PER ARCHITECTS DETAILS AND SPECIFICATIONS
- CONSTRUCT MOW CURB PER ARCHITECTS DETAILS AND SPECIFICATIONS
- CONSTRUCT TRUNCATED DOME PER ARCHITECTS DETAIL
- FURNISH AND INSTALL HANDRAILS PER ARCHITECTS DETAILS ON SHEET A1.32 AND SPECIFICATIONS
- CONSTRUCT WEEP HOLES PER STRUCTURAL ENGINEER'S PLANS, DETAILS, AND SPECIFICATIONS
- CONSTRUCT CURB TYPE A1-6 PER SSPWC STANDARD PLAN 120-2 ON SHEET C-6.2

**UTILITY CONSTRUCTION NOTES**

FURNISH &amp; INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

**DOMESTIC WATER AND LANDSCAPE WATER**

- CONNECT TO EXISTING WATER LINE
- CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL 2" LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 3753C, OR APPROVED EQUAL) PER CUTSHEET ON C-6.2

**FIRE**

- NOTE NOT USED
- CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (JONES 400 BR, OR OR DR) PER MANUFACTURER'S DETAILS ON SHEET C-6.2 FIRE HYDRANT BREAK AWAY SPOOL & BURY TO HAVE MATCHING R.O.I.S. PATTERNS
- FURNISH & INSTALL 6" GATE VALVE (MULLER RESILIENT WEDGE IF P OR APPROVED EQUAL) IN RSGV CAN PER DETAIL "I" ON SHEET C-6.1 AND CUTSHEET ON C-6.2
- NOTE NOT USED
- NOTE NOT USED
- FURNISH & INSTALL 8" DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 380AST) PER CUTSHEET ON SHEET

**SEWER**

- CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- CONSTRUCT PVC SEWER CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT SEWER MANHOLE PER SSPWC 2009 ED. STD. PLAN 200-3 PER CUTSHEET ON SHEET C-6.3
- FURNISH & INSTALL SEWER GONDER PUMP (T.E. ONE SEWER SYSTEMS' MODEL DHO17 OR APPROVED EQUAL) PER CUTSHEET ON SHEET C-6.3

**STORM DRAIN**

- CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- FURNISH & INSTALL 12" x 12" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- FURNISH & INSTALL 24" x 24" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT CURB OUTLET STRUCTURE PER CUTSHEET ON C-6.3
- FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORMED PIPE PER DETAIL "N" ON SHEET C-6.2
- CORE THROUGH EXISTING CURB 0.041" ABOVE EXISTING FLOWLINE

CONSULTANT:



DETAIL SHEET

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:

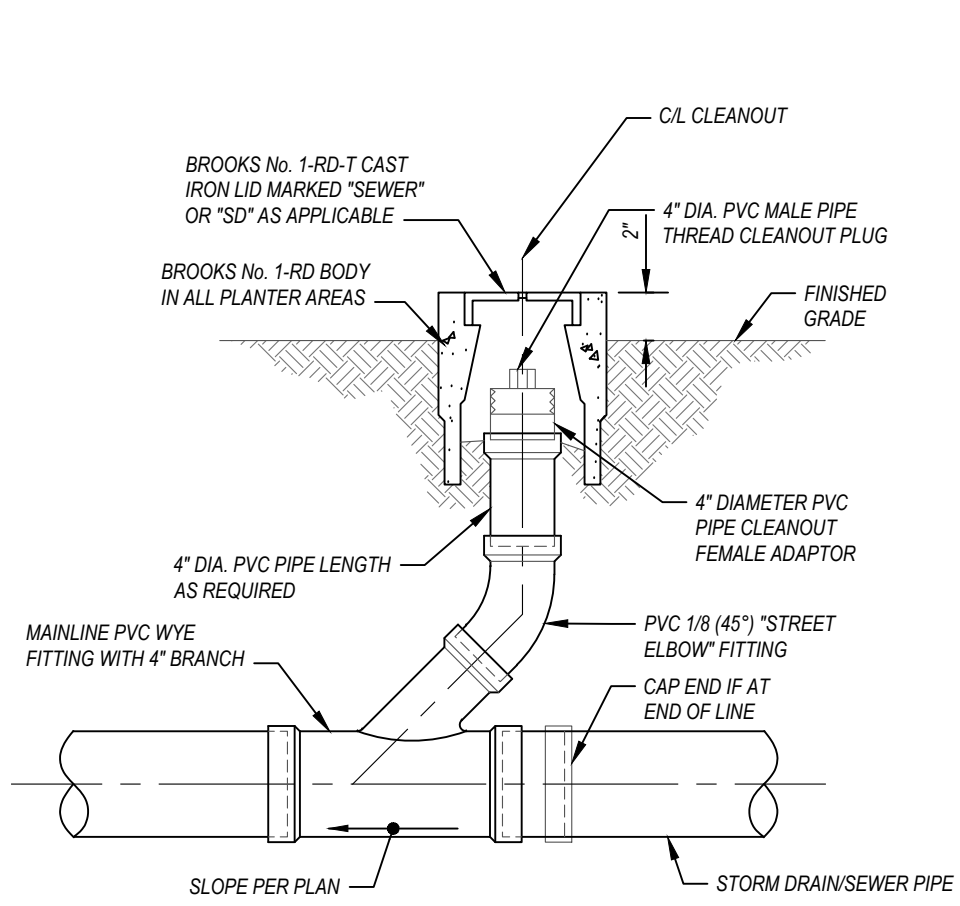


PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
ADDITION 1

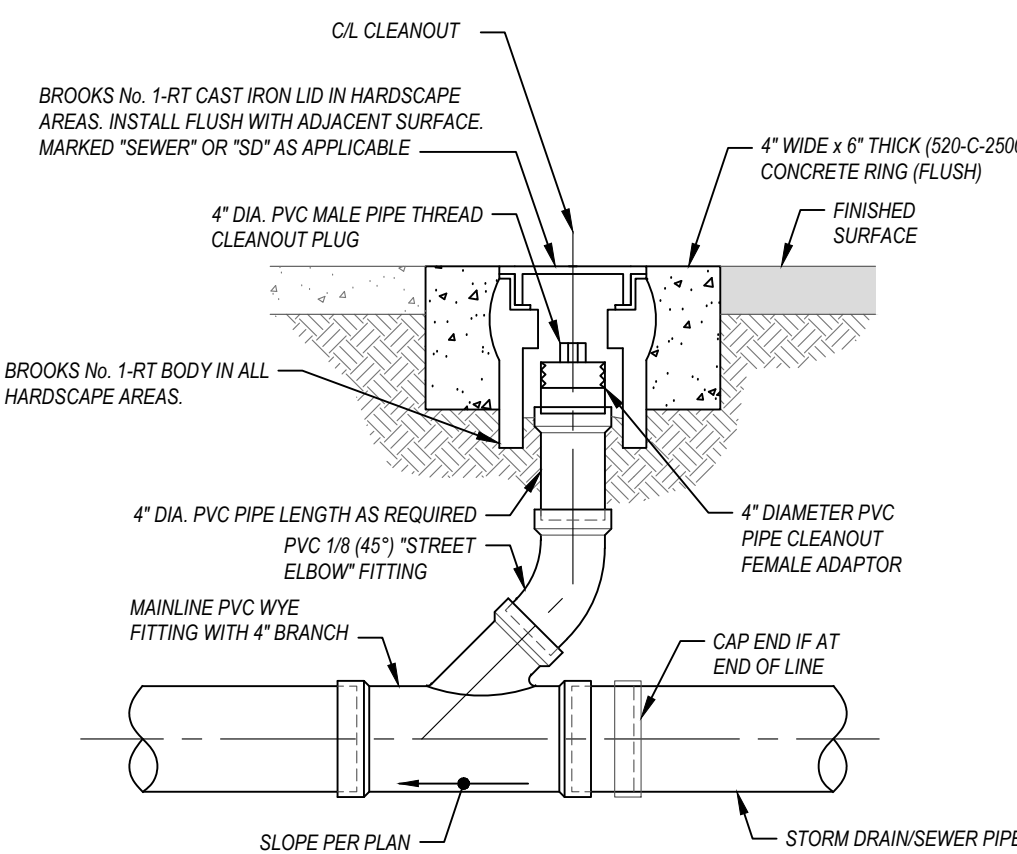
**C-6.1**  
CONSTRUCTION DOCUMENTS



J:\160.18 CHAFFEY COLLEGE IN TECH WELDING FACILITY. CIVIL 3DPLAN - CONSITE\160.18-C-06.DWG  
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LAST PLOTTED ON: 11/12/2025 11:22:05

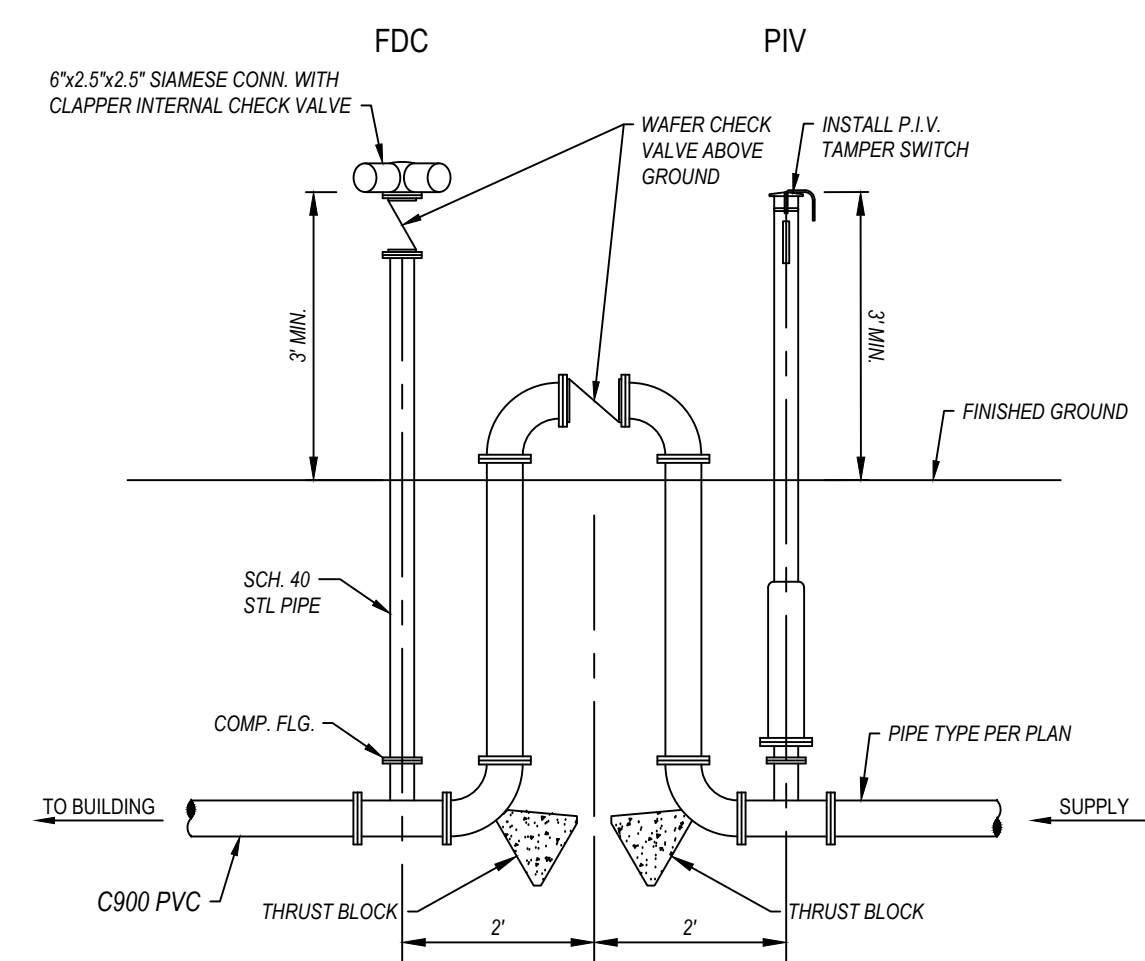


CLEANOUT IN PLANTER AREA

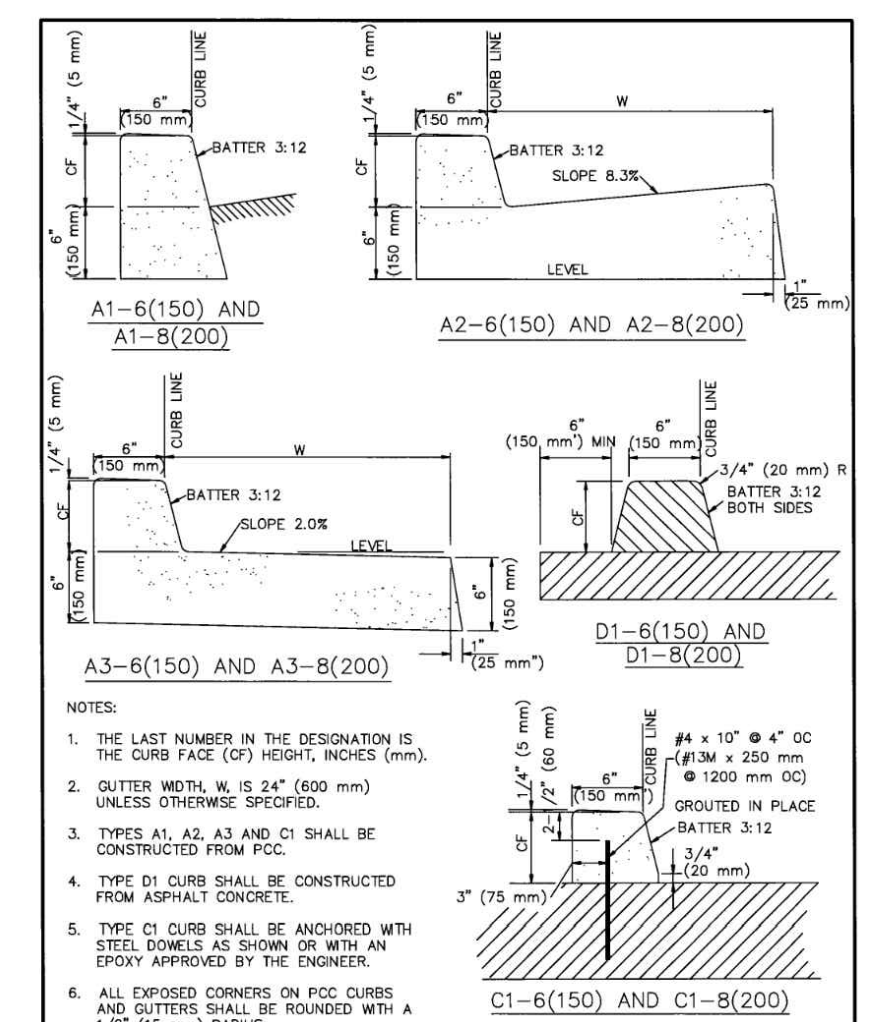


CLEANOUT IN HARDSCAPE

DETAIL "K"  
PVC PIPE CLEANOUT  
NOT TO SCALE

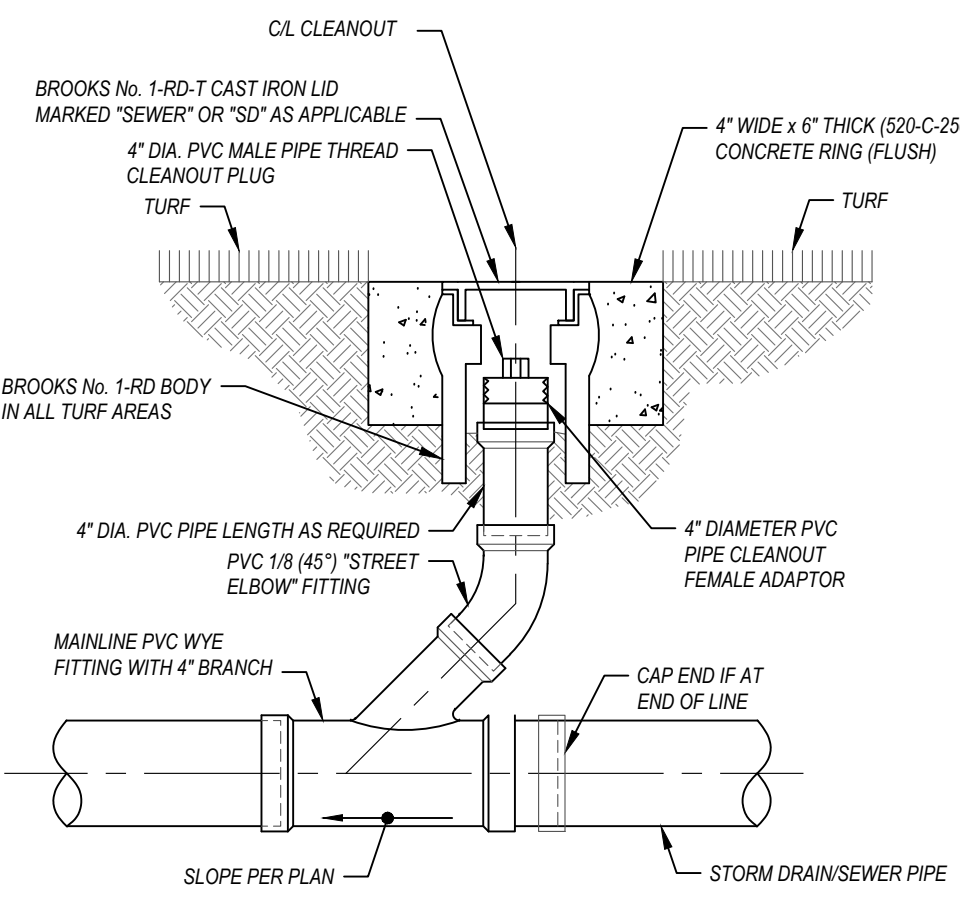


DETAIL "L"  
POST INDICATOR/FIRE DEPARTMENT  
CONNECTION DETAIL  
NOT TO SCALE

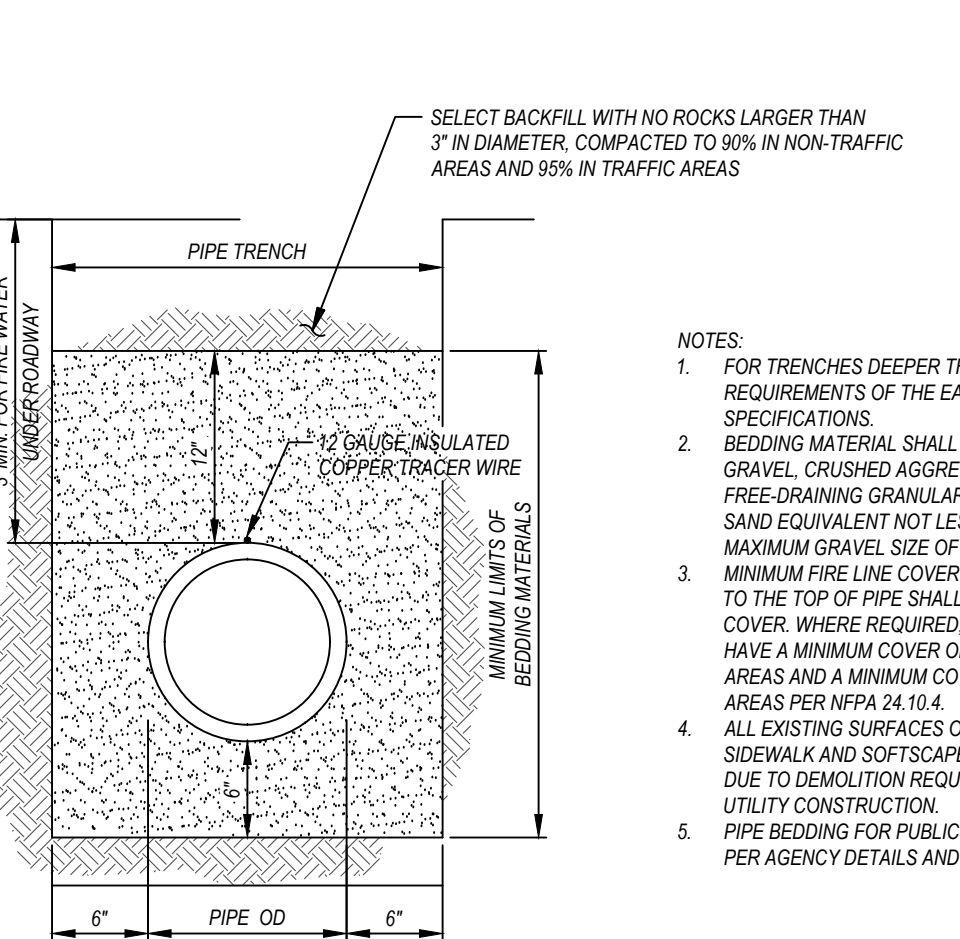


DETAIL "M"  
RETAINING WALL SUBDRAIN  
NOT TO SCALE

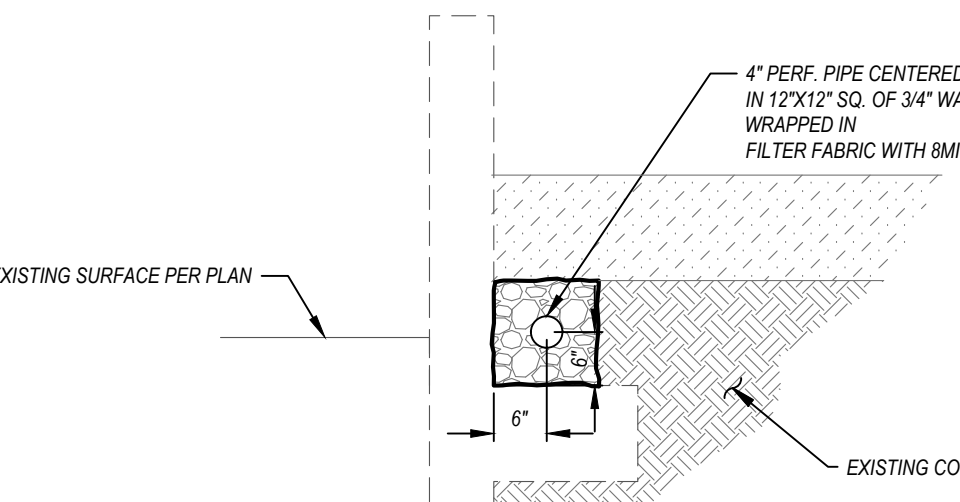
DETAIL "N"  
STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION  
C-6.2



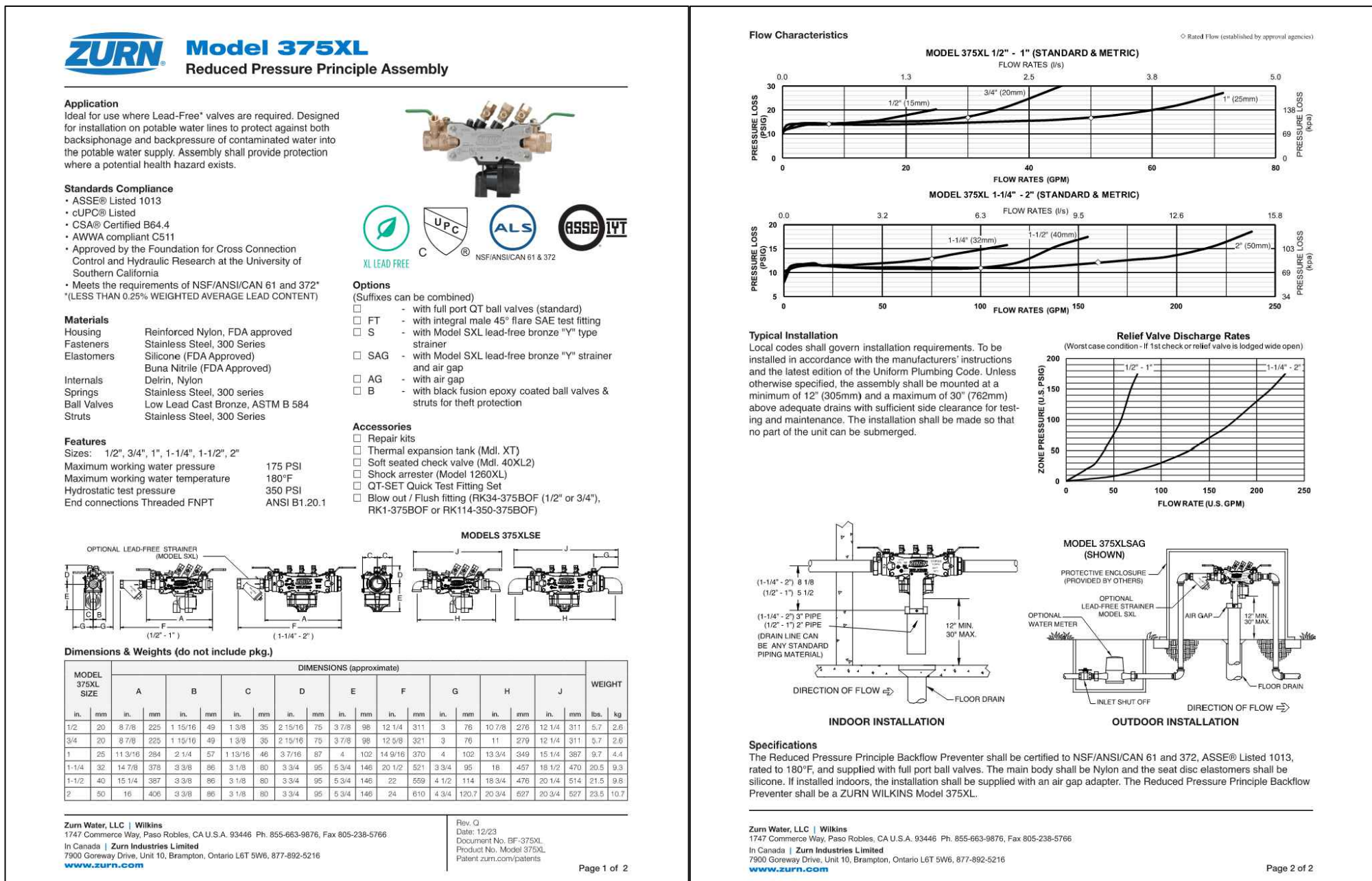
CLEANOUT IN GRASSY AREAS



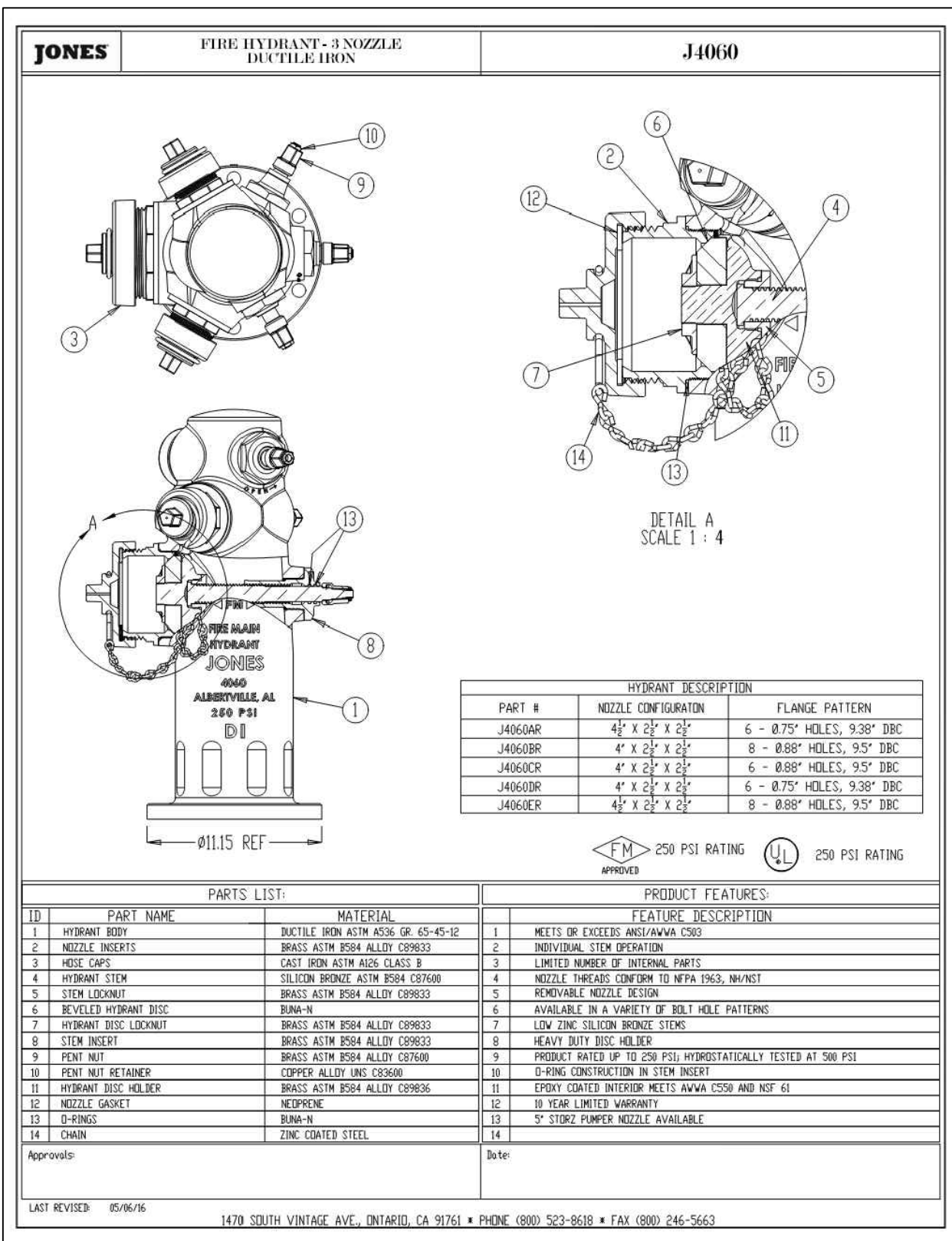
TYPICAL UTILITY TRENCH  
NOT TO SCALE



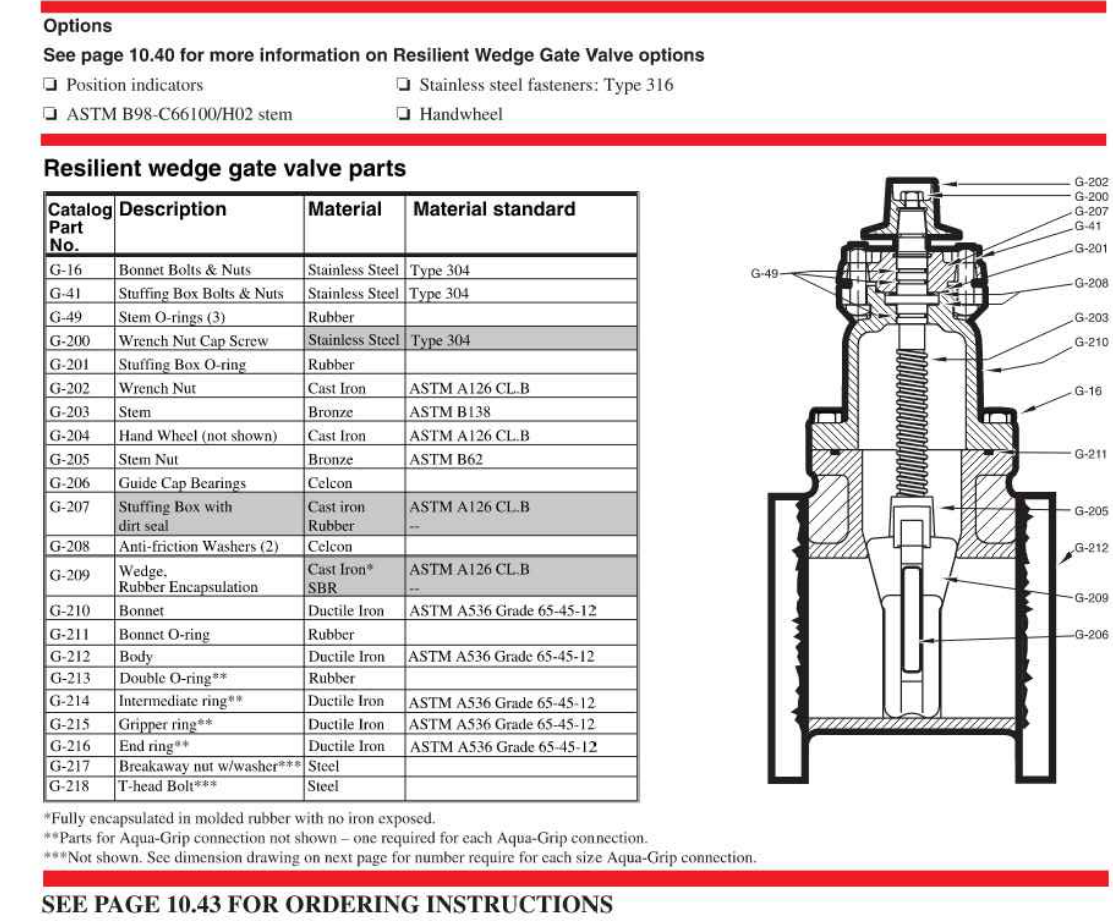
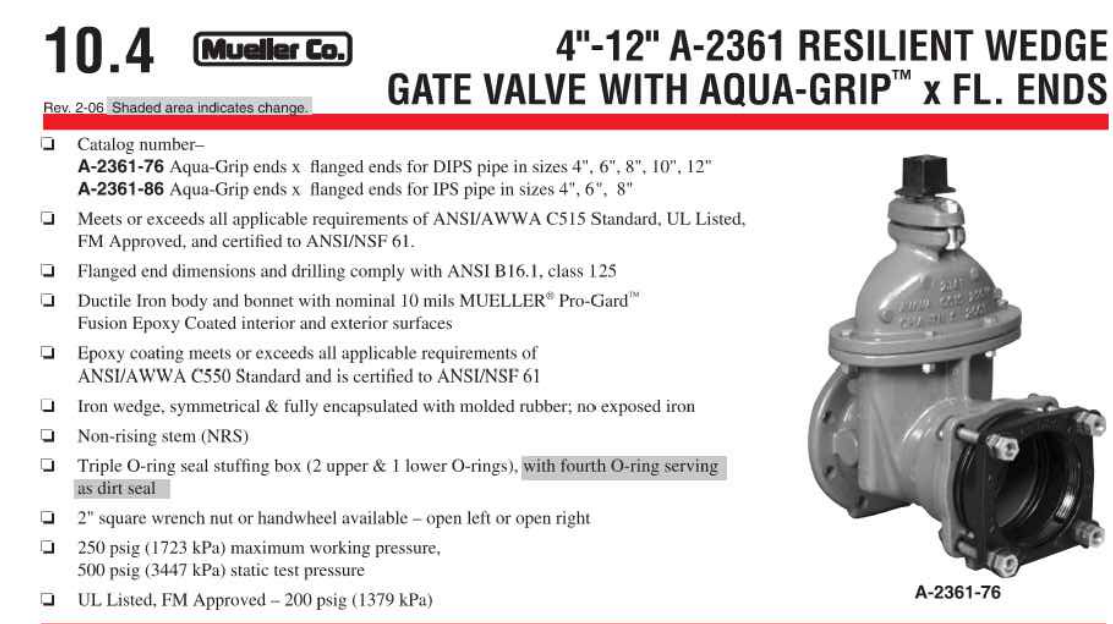
DETAIL "M"  
RETAINING WALL SUBDRAIN  
NOT TO SCALE



LANDSCAPE RP DEVICE  
NOT TO SCALE



FIRE HYDRANT ASSEMBLY  
NOT TO SCALE



MUELLER GATE VALVE  
NOT TO SCALE

GRADING CONSTRUCTION NOTES

- PROTECT IN PLACE EXISTING ITEM
- ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
- ADJUST PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCH GRADE DOWNWARD FOR PCC ONLY
- SPREAD AND OVERLAY EXISTING ASPHALT SURFACE 1/2" MINIMUM PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCH GRADE
- SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
- CONSTRUCT 4" AG OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION AND 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED
- CONSTRUCT 4" PCC (200-C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT 6" PCC (600-C-3250) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 18" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS
- CONSTRUCT CURB TYPE A1-6 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT CURB TYPE A2-8 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT 0'-6" PCC (200-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
- CONSTRUCT V-DITCH PER DETAIL "D" ON SHEET C-6.1
- PAIN / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT CURB TYPE A1-6 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.1
- CONSTRUCT CMU RETAINING WALL PER STRUCTURAL ENGINEER'S DETAILS
- CONSTRUCT 0'-6" PCC (200-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
- CONSTRUCT 0' PCC (200-C-2500) CURB ONLY PER DETAIL "G" ON SHEET C-6.1
- CONSTRUCT FREE STANDING WALL PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT COLUM PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT MOW CURB PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT TRUNCATED DOME PER ARCHITECT'S DETAIL
- FURNISH AND INSTALL HANDRAILS PER ARCHITECT'S DETAILS ON SHEET A1-32 AND SPECIFICATIONS
- CONSTRUCT WEEP HOLES PER STRUCTURAL ENGINEER'S PLANS, DETAILS, AND SPECIFICATIONS
- CONSTRUCT CURB TYPE A1-6 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2

UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

DOMESTIC WATER AND LANDSCAPE WATER

- CONNECT TO EXISTING WATER LINE
- CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL 2" LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 375XL OR APPROVED EQUAL) PER CUTSHEET ON C-6.2

FIRE

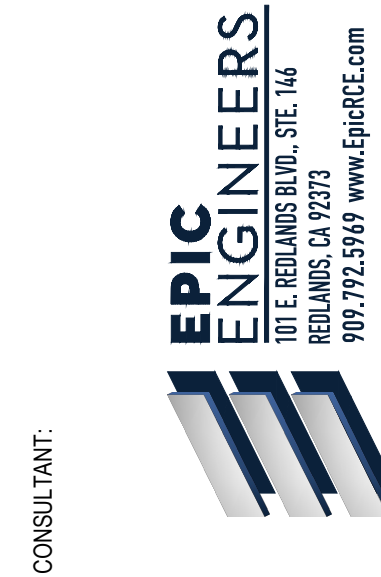
- NOTE NOT USED
- CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (JONES 400B/CR OR DR) PER MANUFACTURER'S DETAILS ON SHEET C-6.2 FIRE HYDRANT BREAK AWAY SPOOL & BURY TO HAVE MATCHING R/S TO PATTERNS
- FURNISH & INSTALL 6" GATE VALVE (MUELLER RESILIENT WEDGE 6" P OR APPROVED EQUAL) W/ RSGV CAN PER DETAIL "I" ON SHEET C-6.1 AND CUTSHEET ON C-6.2
- NOTE NOT USED
- NOTE NOT USED
- FURNISH & INSTALL 6" DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 380AST) PER CUTSHEET ON C-6.2

SEWER

- CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- CONSTRUCT PVC SEWER CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT SEWER MANHOLE PER SPWPC 2009 ED. STD. PLAN 200-3 PER CUTSHEET ON SHEET C-6.3
- FURNISH & INSTALL SEWER GROUND PUMP (EONE SEWER SYSTEMS' MODEL DWH01 OR APPROVED EQUAL) PER CUTSHEET ON SHEET C-6.3

STORM DRAIN

- CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- FURNISH & INSTALL 12" x 12" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- FURNISH & INSTALL 24" x 24" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT CURB OUTLET STRUCTURE PER CUTSHEET ON C-6.3
- FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORMED PIPE PER DETAIL "N" ON SHEET C-6.2
- CORE THROUGH EXISTING CURB 0.041' ABOVE EXISTING FLOWLINE



CONSULTANT

DETAIL SHEET

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

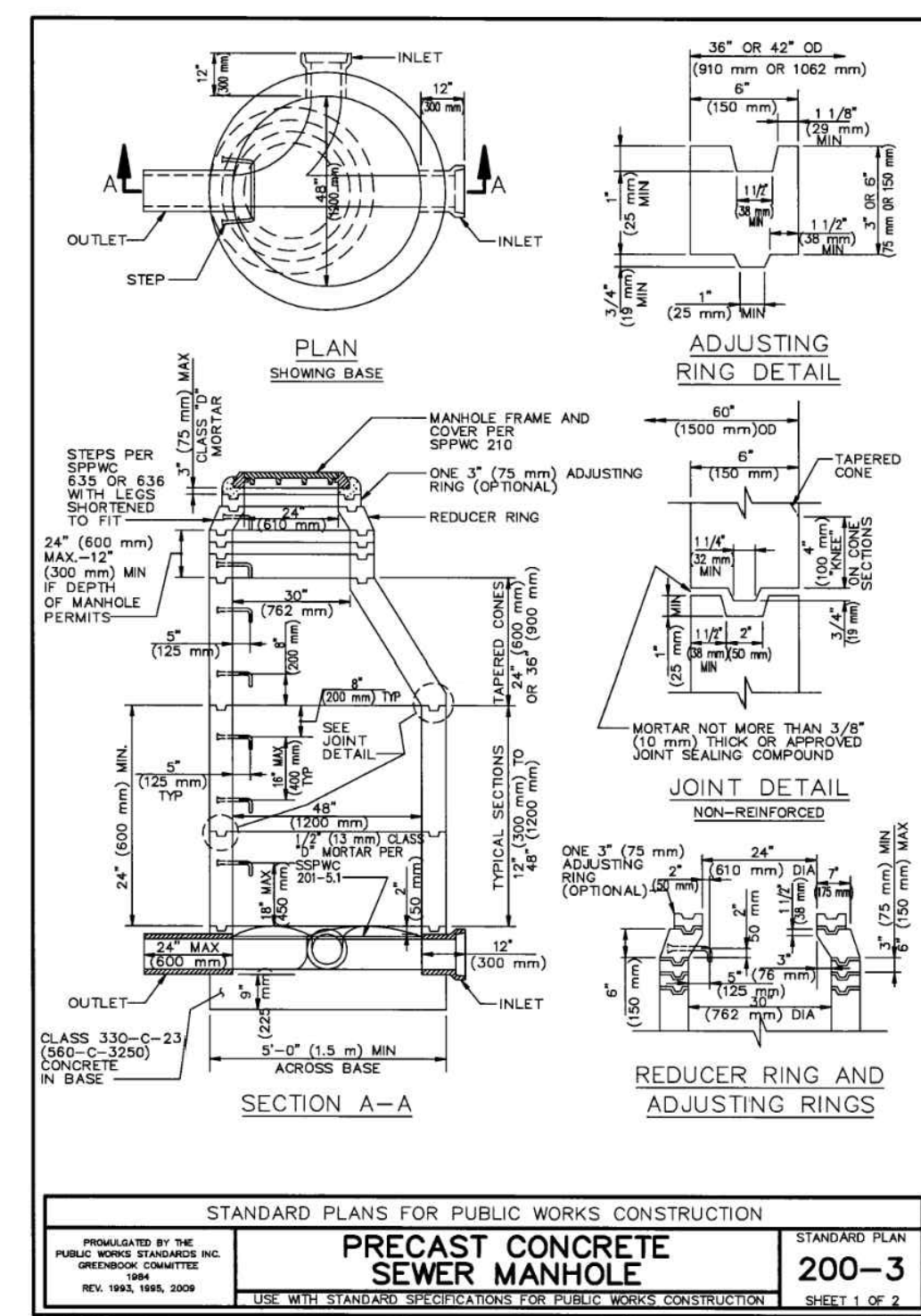
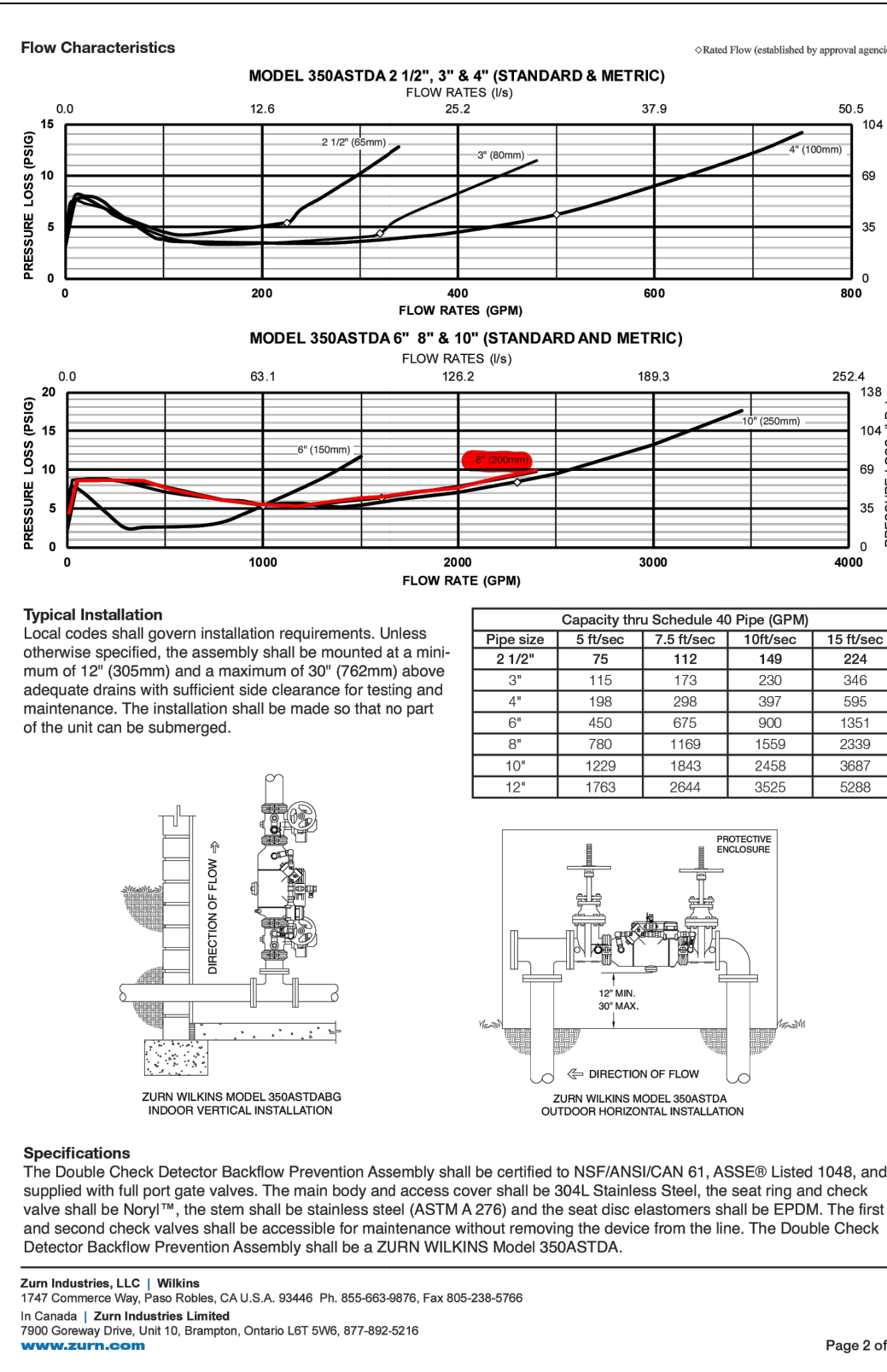
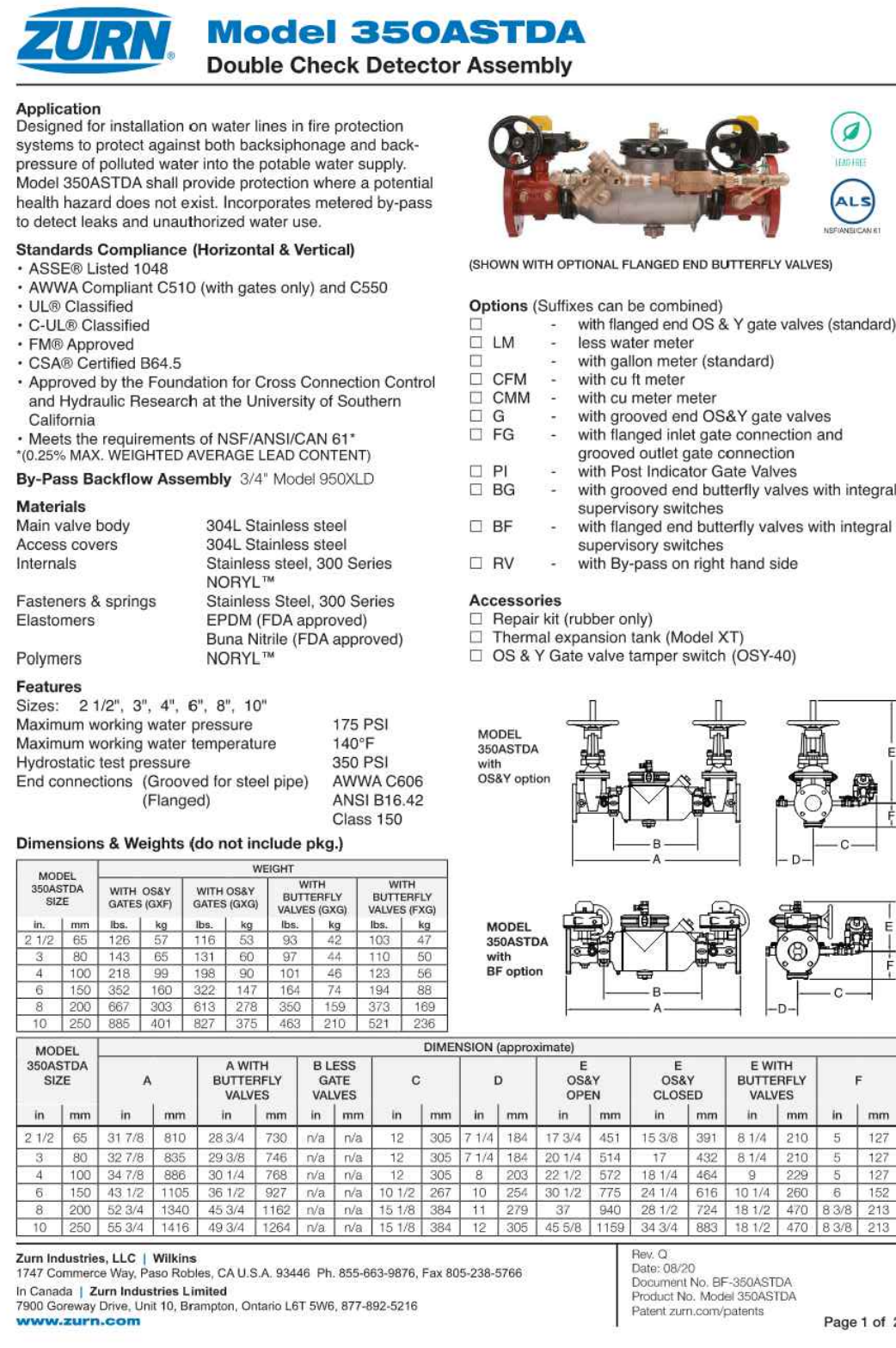


SEALS

PROJECT NUMBER: 23-06102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION: ADEQUUM 1

C-6.2  
CONSTRUCTION DOCUMENTS





**GRADING CONSTRUCTION NOTES**

- 1) PROJECT IN PLACE EXISTING ITEM
- 2) ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
- 3) ADJUST PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH GRADING AND 0% GRADE DOWNSLOPE PER DETAIL "B" ON SHEET C-6.1
- 4) GRIND AND OVERLAY EXISTING ASPHALT SURFACE TO 1/2 MINIMUM PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCH GRADE
- 5) SET SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
- 6) CONSTRUCT 4" AC OVER 6" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION AND 10% RELATIVE COMPACTION TO 90% RELATIVE COMPACTION FINAL PAVEMENT SURFACE TO BE BASED ON 10% OF TESTING PERFORMED ON A REPRESENTATIVE SUB SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED
- 7) CONSTRUCT 1" PCC (200-200) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION AND 10% RELATIVE COMPACTION OVER 10" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SHALL BE BASED ON 10% OF TESTING PERFORMED ON A REPRESENTATIVE SUB SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED
- 8) SCORING PATTERNS, COLOR AND FINISH PER PAVEMENT PLANS AND SPECIFICATIONS
- 9) CONSTRUCT 1" PCC (200-200) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION AND 10% RELATIVE COMPACTION OVER 10" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER PAVEMENT PLANS AND SPECIFICATIONS
- 10) CONSTRUCT CURB TYPE "A" PER SPCCS STANDARD PLAN 120.0 ON SHEET C-6.2
- 11) CONSTRUCT CURB TYPE "A" PER SPCCS STANDARD PLAN 120.0 ON SHEET C-6.2
- 12) CONSTRUCT 6" OF PCC (200-200) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
- 13) CONSTRUCT 4" NOTCH PER DETAIL "D" ON SHEET C-6.1
- 14) FINISH AND INSTALL SITE FENCING & GATES PER PAVEMENT PLANS AND SPECIFICATIONS
- 15) PAINT / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER PAVEMENT PLANS AND SPECIFICATIONS
- 16) CONSTRUCT PCC CURB EXTENSION PER DETAIL "E" ON SHEET C-6.1
- 17) CONSTRUCT CURB RETAINING WALL PER STRUCTURAL ENGINEERS DETAILS
- 18) CONSTRUCT 6" OF PCC (200-200) CURB TRANSITION PER DETAIL "F" ON SHEET C-6.1
- 19) CONSTRUCT 1" PCC (200-200) CURB ONLY PER DETAIL "G" ON SHEET C-6.1
- 20) CONSTRUCT FREE STANDING WALL PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- 21) CONSTRUCT COLUMN PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- 22) CONSTRUCT MOW CURB PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- 23) CONSTRUCT TRUNCATED DOWNSLOPE PER ARCHITECT'S DETAIL
- 24) CONSTRUCT DETAIL HANDRAILS PER ARCHITECT'S DETAILS ON SHEET A.1 AND SPECIFICATIONS
- 25) CONSTRUCT WEEP HOLES PER ARCHITECT'S STANDARD PLANS, DETAILS AND SPECIFICATIONS
- 26) CONSTRUCT CURB TYPE A-1 PER SPCCS STANDARD PLAN 120.0 ON SHEET C-6.2

### UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

DOMESTIC WATER AND LANDSCAPE WATER

- 50 CONNECT TO EXISTING WATER LINE
- 51 CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- 52 FURNISH & INSTALL 2" LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 375XL OR APPROVED EQUAL) PER CUTSHEET ON C-6.2



**FIRE**

- 60 NOTE NOT USED
- 61 CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- 62 FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (JONES 4000 BR, CR OR DRI) PER MANUFACTURER'S DETAILS ON SHEET C-6.1 FIRE HYDRANT BREAK AWAY SPOCK & BURY TO HAVE MATCHING BOLT PATTERN
- 63 FURNISH & INSTALL 6" GATE VALVE (MUELLER RESILIENT WEDGE FIP OR APPROVED EQUIVA) RSGV CAN PER DETAIL "I" ON SHEET C-6.1 AND CUTSHEET ON C-6.2
- 64 NOTE NOT USED
- 65 NOTE NOT USED
- 66 FURNISH & INSTALL DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 3545ST) PER CUTSHEET ON C-6.3

## SEWE

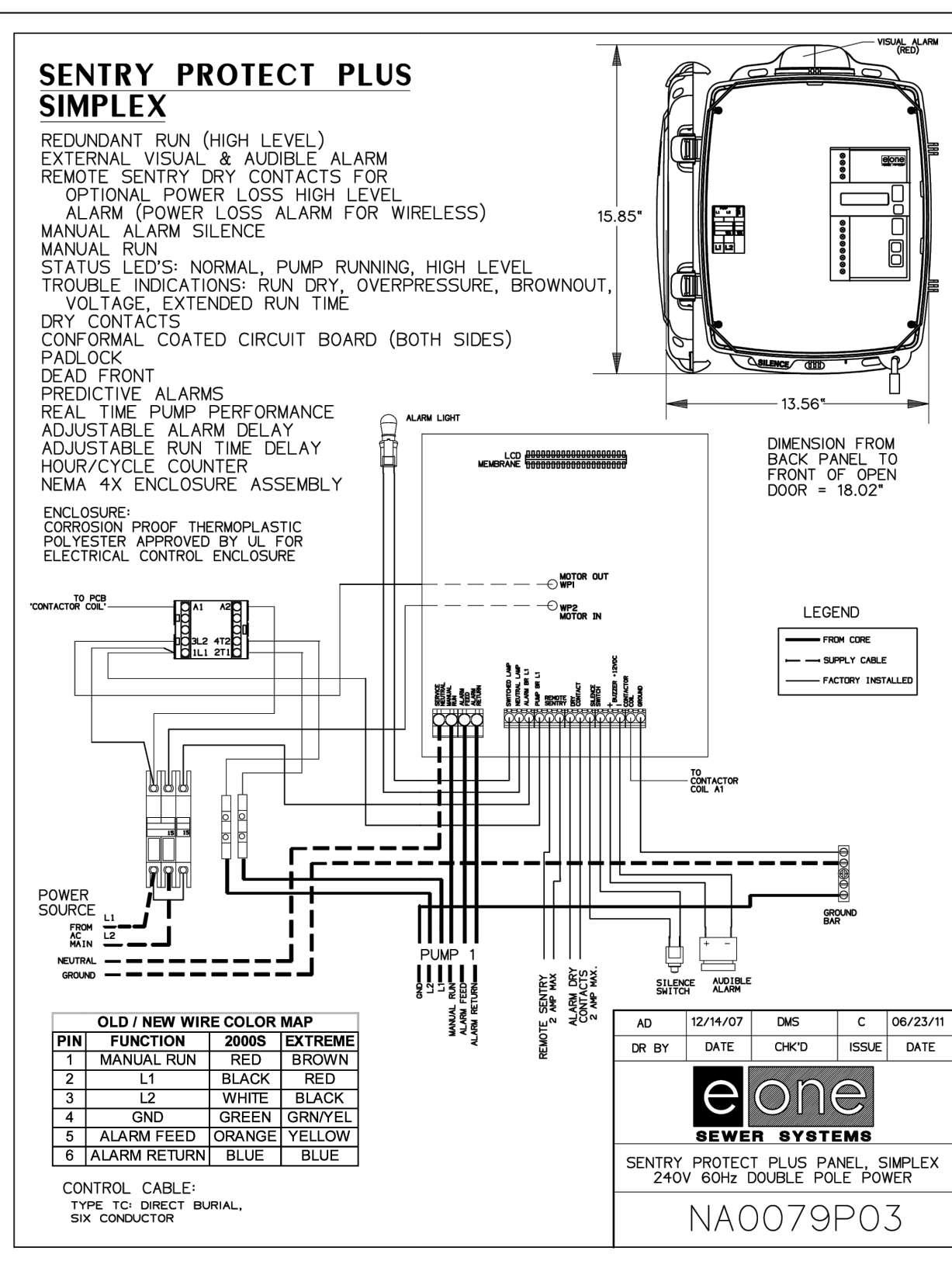
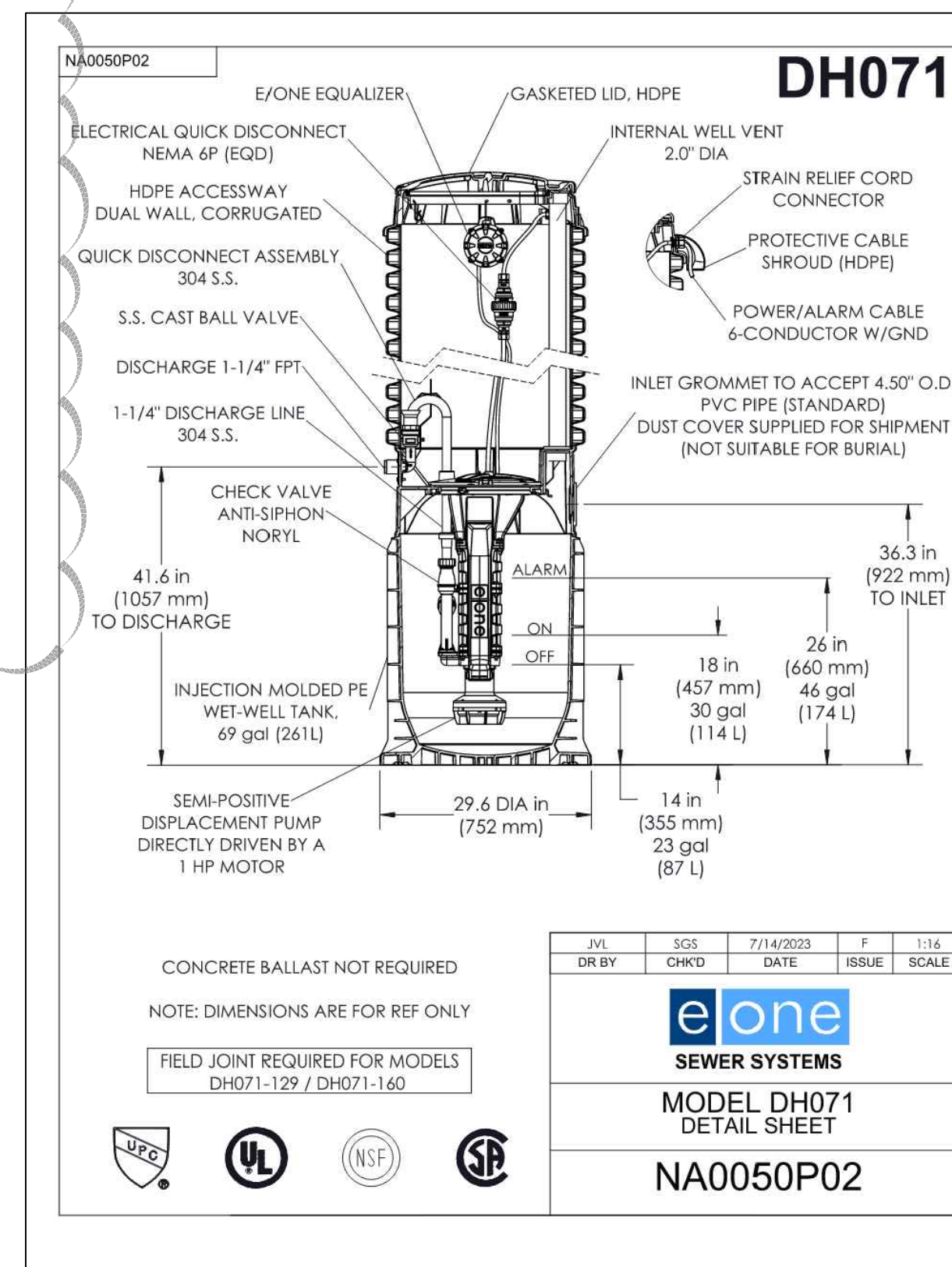
70. CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
71. CONSTRUCT PVC SEWER CLEANOUT PER DETAIL "X" ON SHEET C-6.2
72. CONSTRUCT SEWER MANHOLE PER SPPWC 2008 ED. STD. PLAN 200-3 PER CUTSHEET ON SHEET C-6.3
73. FURNISH & INSTALL SEWER GRINDER PUMP ("ONE SEWER SYSTEMS" MODEL#H071 OR APPROVED) PER CUTSHEET ON SHEET C-6.3

**STORM DRAIN**

- 80 CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT THE ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- 81 FURNISH & INSTALL 12" X 12" PREFABRICATED CATCH BASIN (JR CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- 82 FURNISH & INSTALL 24" X 24" PREFABRICATED CATCH BASIN (JR CB2124 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- 83 CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- 84 CONSTRUCT CURB OUTLET STRUCTURE PER CUT/SHEET ON C-6.3
- 85 FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORATED PIPE PER DETAIL "M" ON SHEET C-6.2
- 86 CORE THROUGH EXISTING CURB @ 0.41' ABOVE EXISTING FLOWLINE

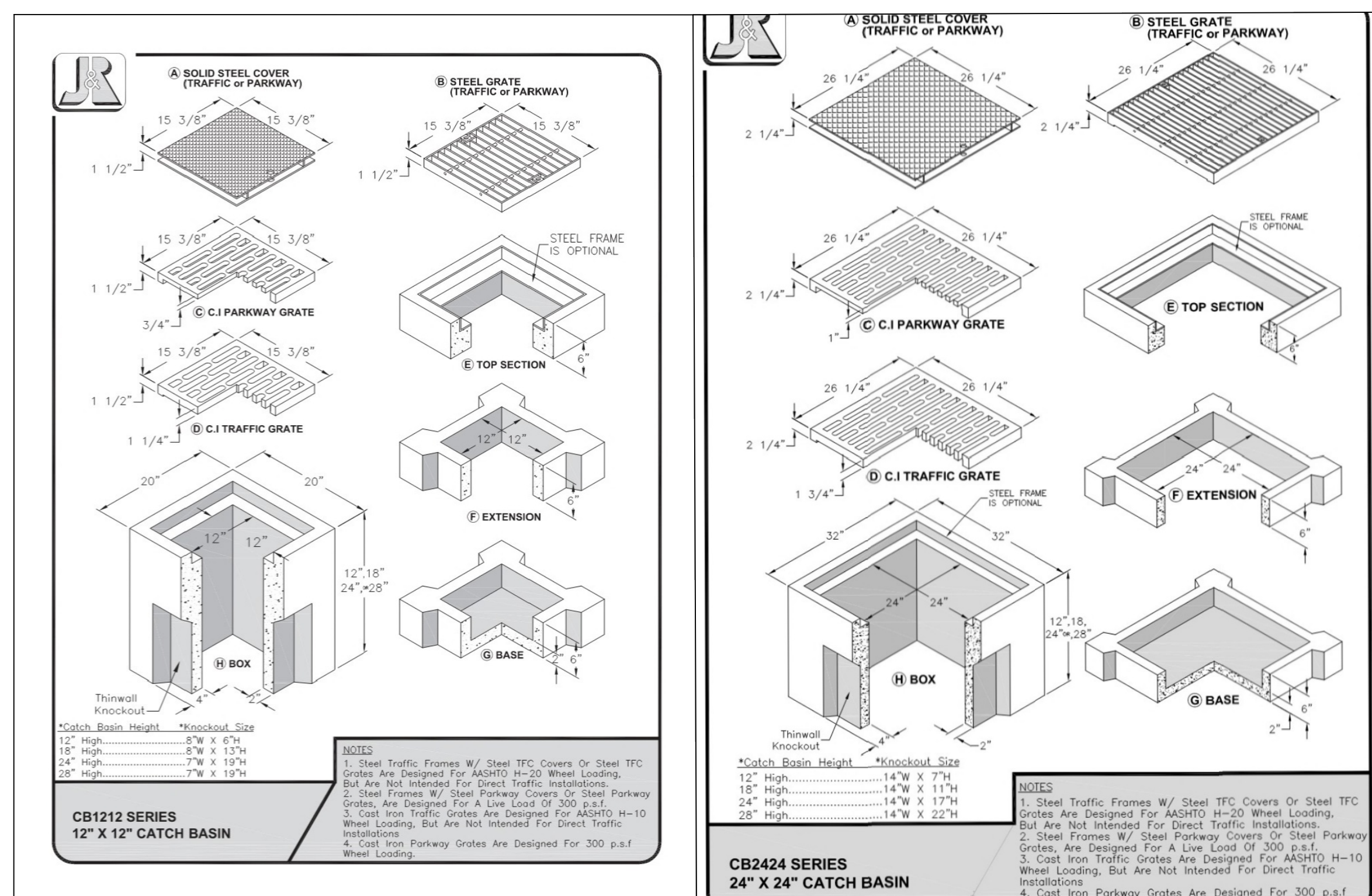
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**NOT TO SCALE**



## SEWER GRINDER PUMP

**NOT TO SCALE**



## J&R 12X12 CATCH BASIN

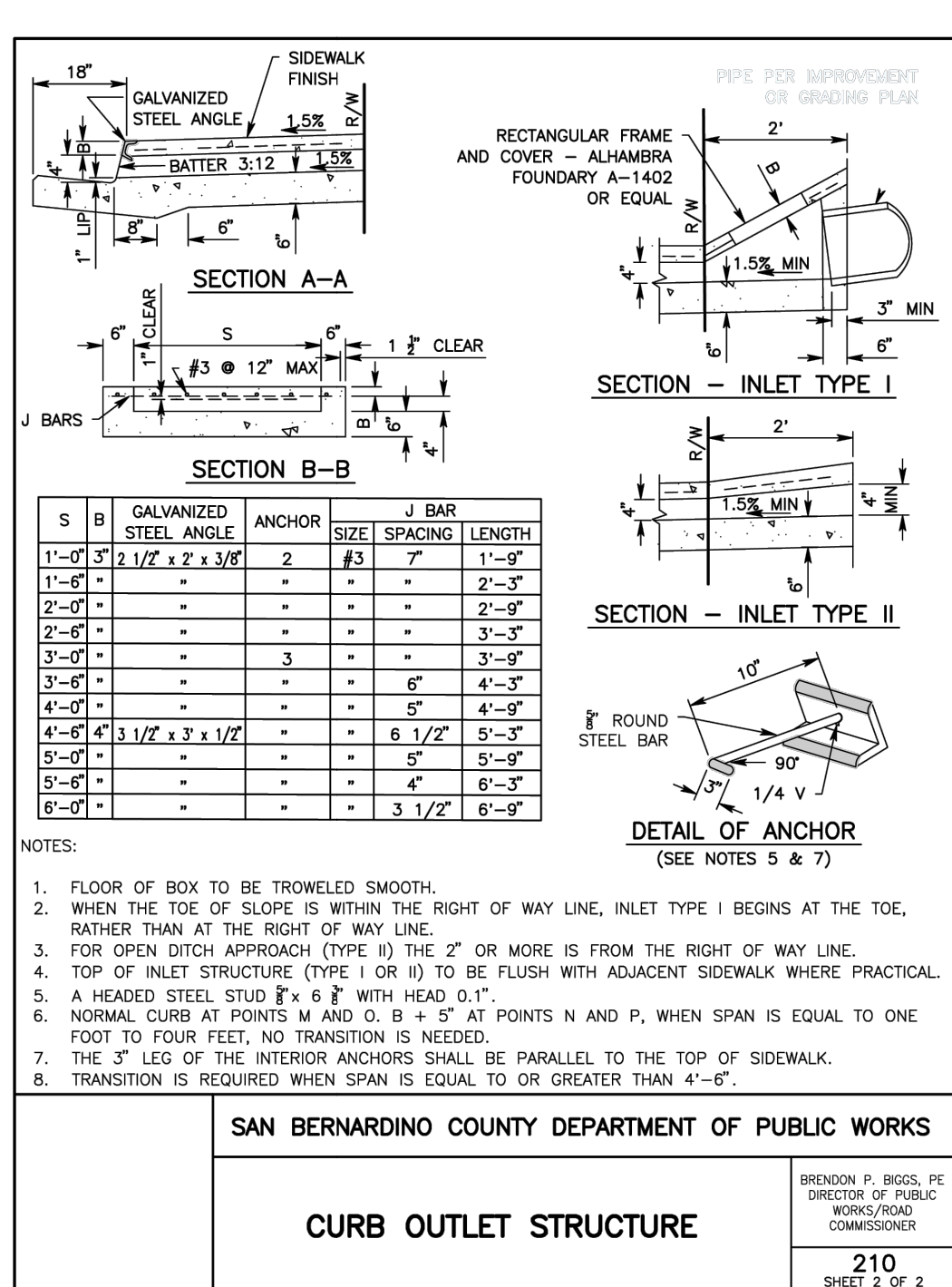
NOT TO SCALE

## J&R 24X24 CATCH BASIN

NOT TO SCALE

## ***CURB OUTLET STRUCTURE***

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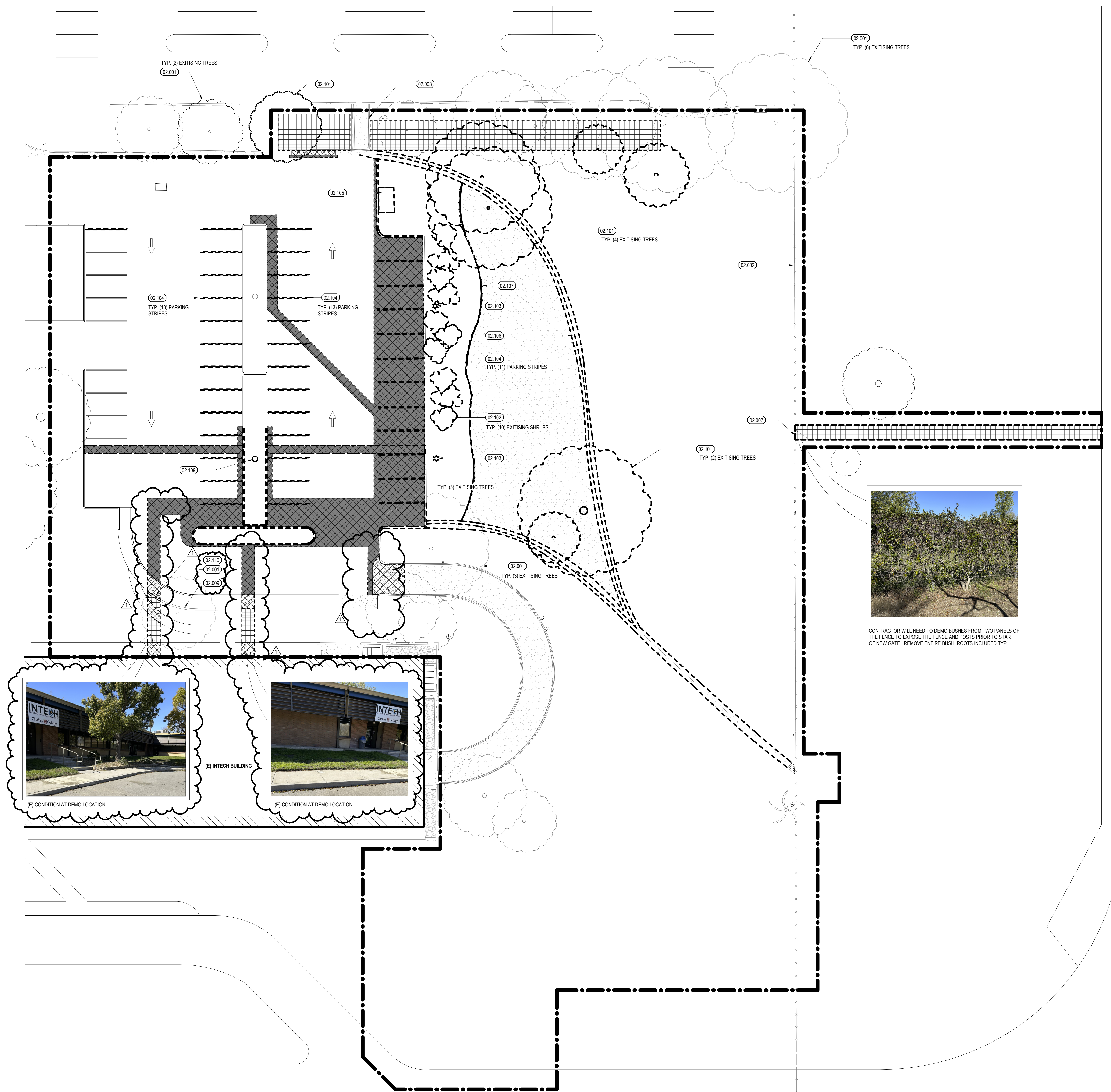
### CURB OUTLET STRUCTURE

WORKS/ROAD  
COMMISSIONER

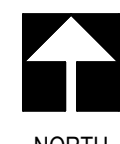
### CURB OUTLET STRUCTURE

NOFHS/ROAD  
COMMISSIONER





CHERRY AVE



NORTH  
1/16\" = 1'-0\" SCALE

1

## KEYNOTES

DESCRIPTION	
02.001 (E) TREE. PROTECT IN PLACE	
02.002 (E) FENCE. PROTECT IN PLACE	
02.003 (E) STAKE RUN. PROTECT IN PLACE	
02.004 (E) CONCRETE RETAINING WALL BLOCKS. PROTECT IN PLACE	
02.101 REMOVE (E) TREE	
02.102 REMOVE (E) SHRUB	
02.103 REMOVE (E) LIGHT POST AND FOOTING	
02.104 (E) ASPHALT STRIPING TO BE SANDBLASTED AND REMOVED	
02.105 REMOVE (E) ENCLOSURE IN ITS ENTIRETY	
02.106 REMOVE (E) PORTION OF RIBBON GUTTER	
02.107 REMOVE (E) CONCRETE HEADER	
02.108 REMOVE (E) CONCRETE LIVER BASE, SALVAGE FLOOD LIGHT AND REINSTALL	
02.109 REMOVE & SALVAGE ANY CONCRETE RETAINING WALL BLOCKS WITHIN TRENDING PATH. REINSTALL AFTER BACKFILL	

## DEMOLITION NOTES

### DEMOLITION NOTES

- DEMOLITION GENERAL NOTES APPLY TO ALL DEMOLITION SHEETS.
- COORDINATE DEMOLITION AND PHASING EFFORTS WITH ARCHITECT AND OWNER'S REPRESENTATIVES. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS AND TO PROVIDE BUILDING USERS SAFETY. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH OWNER'S REPRESENTATIVE.
- COORDINATE DISRUPTION OF UTILITY SERVICES WITH OWNER AND AS SPECIFIED.
- VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
- THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- PROVIDE PROTECTION FOR EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND /OR CONDITION.
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF SERVICE.
- CAP DISCONNECTED UTILITIES LINES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- AVOID DISTURBING OF SOILS WITHIN ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- REFER TO CIVIL, LANDSCAPE, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY SHEETS FOR WORK NOT SHOWN ON THESE PLANS.
- FOR NEW SIDEWALK TO THE PUBLIC WAY, COMPACT THE EXISTING SOIL TO 90% RELATIVE COMPACTION AND FORM NEW SIDEWALK ON THE SURFACE. REMOVE TURF WHERE OCCURS. OKAY TO POUR OVER EXISTING MOW CURB IF ELEVATION WORKS.

DO NOT START DEMOLITION WITHOUT OBTAINING DSA APPROVAL.  
COORDINATE DEMOLITION WITH OWNER TO MINIMIZE DISTURBANCE.  
COMPLETE DEMOLITION OF SPACES AS INDICATED AND TO THE EXTENT REQUIRED TO ENABLE NEW CONSTRUCTION WORK TO BE PERFORMED.

## DEMOLITION SITE LEGEND

--- --	LIMITS OF WORK
- - - -	OBJECTS DESTINED FOR DISMANTLING
[Hatched Box]	ASPHALT PAVEMENT TO BE REMOVED REFER TO CIVIL PLANS FOR EXTENTS OF REMOVAL AND GRIND/OVERLAY
[Cross-hatched Box]	CONCRETE PAVEMENT TO BE DEMOLISHED AND REMOVED
[Grid Box]	PLANTER AREA TO BE CLEARED AND GRUBBED

CONSULTANT:

SITE PLAN - DEMOLITION

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:

**sgn**  
ARCHITECTS

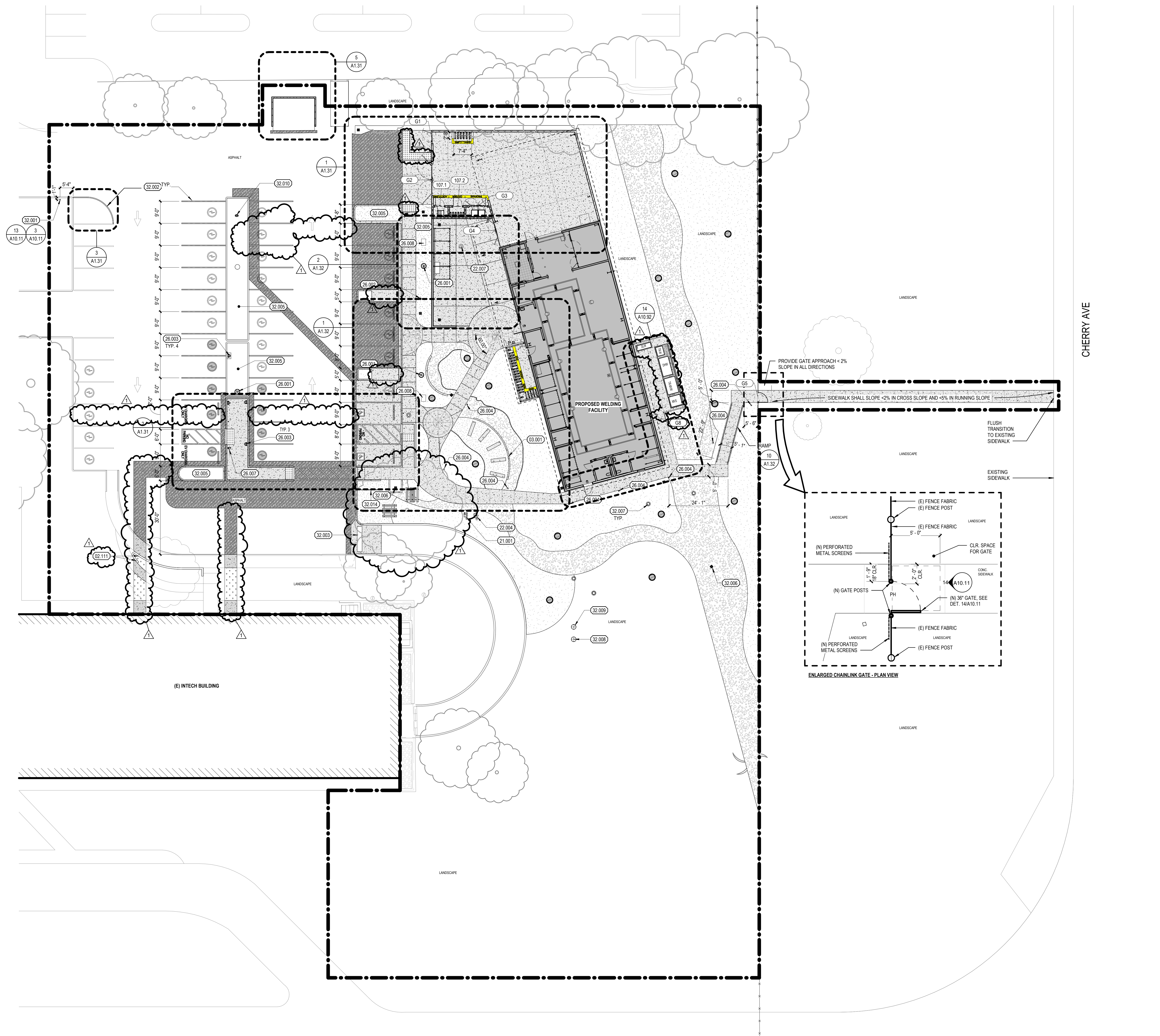
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PROJECT NUMBER: 23-46102-00  
PROJECT STATUS:   
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION:   
ADDENDUM 1

A1.01



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### KEYNOTES

KEYNOTE	DESCRIPTION
12.111	REINSTALL SALVAGED CONCRETE BLOCKS
13.001	CONCRETE BORDER
21.001	DETECTOR CHECK ASSEMBLY - SEE CIVIL
22.004	LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY - SEE CIVIL
22.007	STORM DRAIN CLEAN OUT - SEE CIVIL
26.001	POLE MOUNTED LUMINAIRES
26.002	SIGN ILLUMINATING LED FLOODLIGHT
26.003	ELECTRIC VEHICLE CHARGING STATION - DUAL PORT
26.004	LIGHT SOLLARD
26.007	ELECTRIC VEHICLE CHARGING STATION - SINGLE PORT
26.008	PULL BOX - SEE ELECTRICAL SITE PLAN
32.001	UNAUTHORIZED PARKING SIGN
32.002	WHITE PARKING STRIPES
32.003	(E) SPEED BUMP
32.005	PLANTER AREA, SEE LANDSCAPE
32.006	CATCH BASIN PER CIVIL DWGS
32.007	CLEANOUT PER CIVIL DWGS
32.008	SEWER MANHOLE PER CIVIL DWGS
32.009	SEWER GRINDER PUMP PER CIVIL DWGS
32.010	FIRE HYDRANT, SEE CIVIL DWGS
32.014	BIKE RACK - SEE 22A10.11

### SITE PLAN LEGEND

--- LIMIT SCOPE OF WORK	● TREE TRUNKS, SEE LANDSCAPE L2.01
■ NEW BUILDING	XXX DOOR/GATE TAG, SEE SHEET A9.11
■ PCC PAVING - SEE A1.32 FOR ADDITIONAL CONCRETE REQUIREMENTS	○ EV CAPABLE SPACE
■ ACC PAVING	○ EV CHARGING STATION
■ GRANITE BOULDERS, SEE LANDSCAPE L2.01	□ SINGLE PORT PEDASTAL CHARGER
■ DECOMPOSED GRANITE, SEE LANDSCAPE L2.01	□ DUAL PORT PEDASTAL CHARGER
■ TRUNCATED DOMES	
■ REPLACE TURF AND IRRIGATION TO MATCH EXISTING ORIGINAL CONDITION	

### ARCHITECTURAL SITE PLAN

1/16" = 1'-0" SCALE

NORTH

### CHAFFEY COLLEGE INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

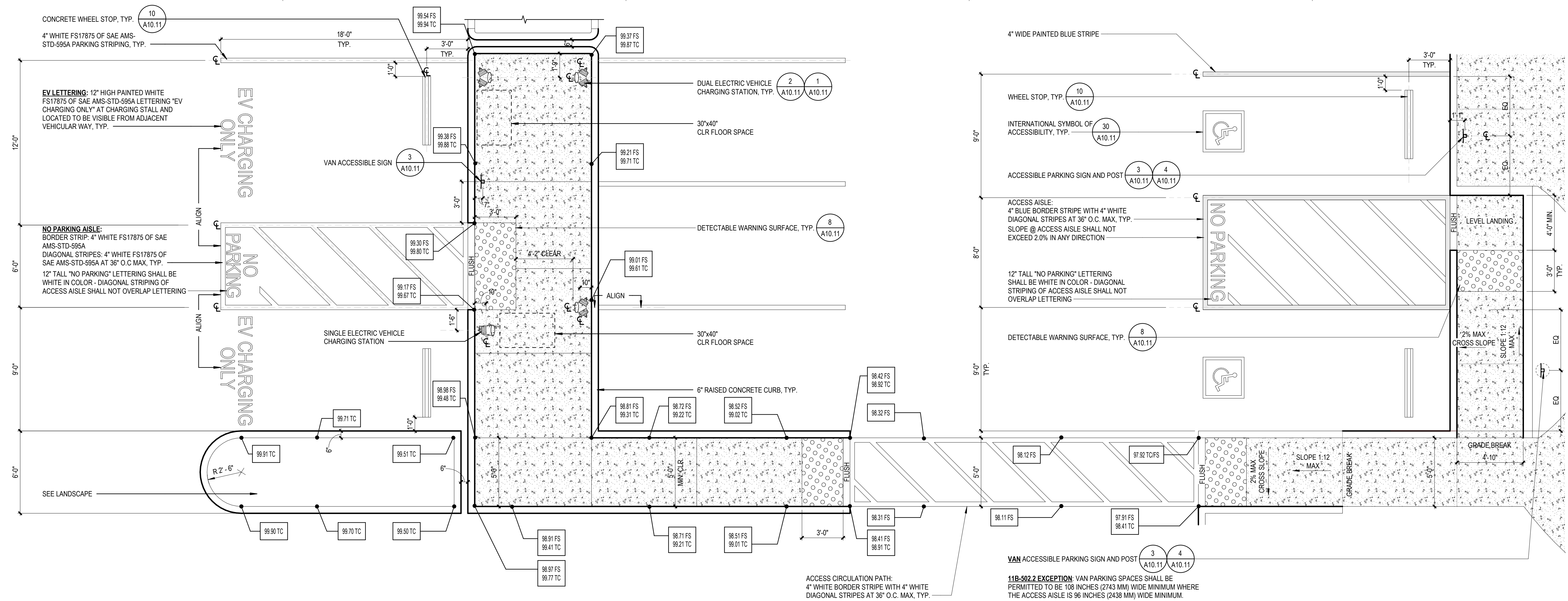
SITE PLAN

SEALS:

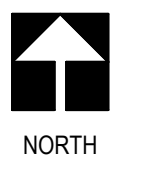
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS:  
SHEET ISSUED: 09/29/2025  
DELTA: DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

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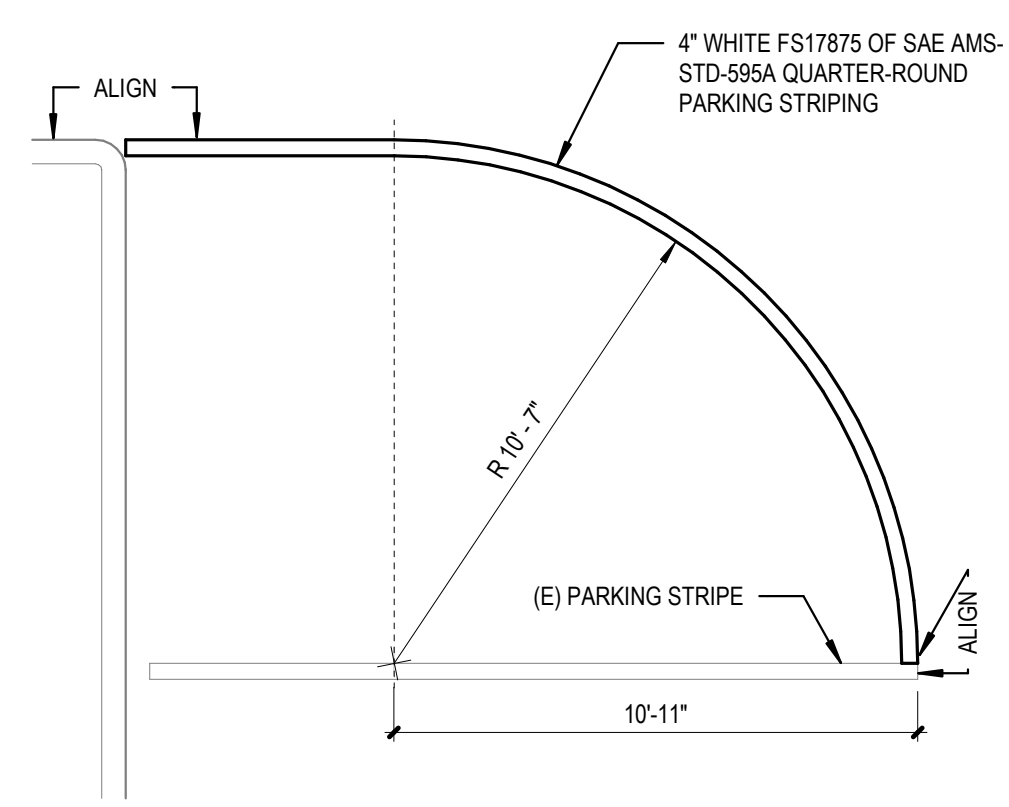




ENLARGED SITE PLAN - EV CHARGING &amp; ACCESSIBLE PARKING

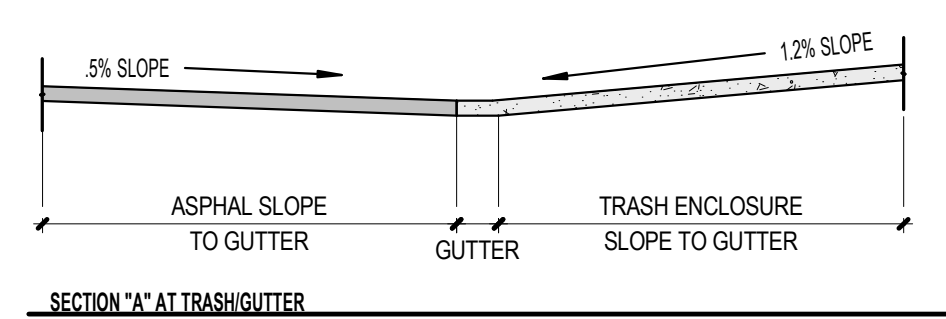


1/4" = 1'-0" :SCALE



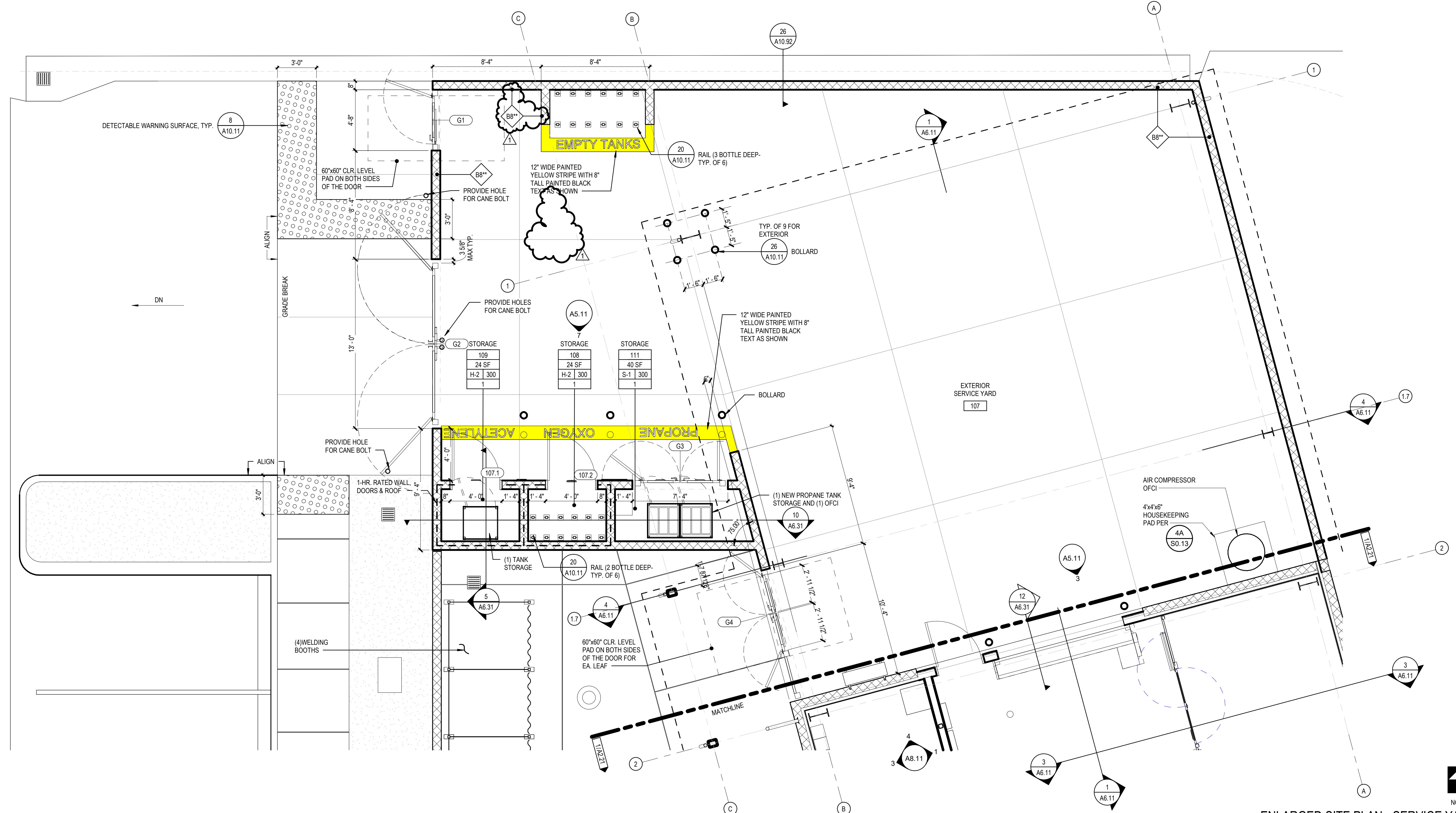
ENLARGED SITE PLAN - PARKING STRIPE 3  
1/4" = 1'-0" SCALE

1/4" = 1'-0" :SCALE



ENLARGED TRASH ENCLOSURE 5

$\frac{3}{16}'' = 1'-0''$  : SCALE



ENLARGED SITE PLAN - SERVICE YARD



NORTH

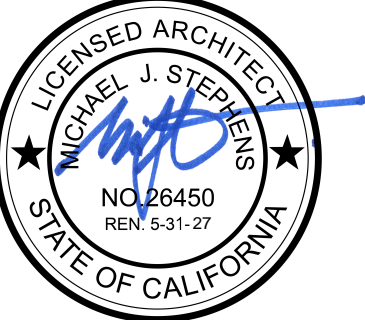
1/4" = 1'-0" :SCALE

# SITE PLAN - ENLARGED PLANS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT



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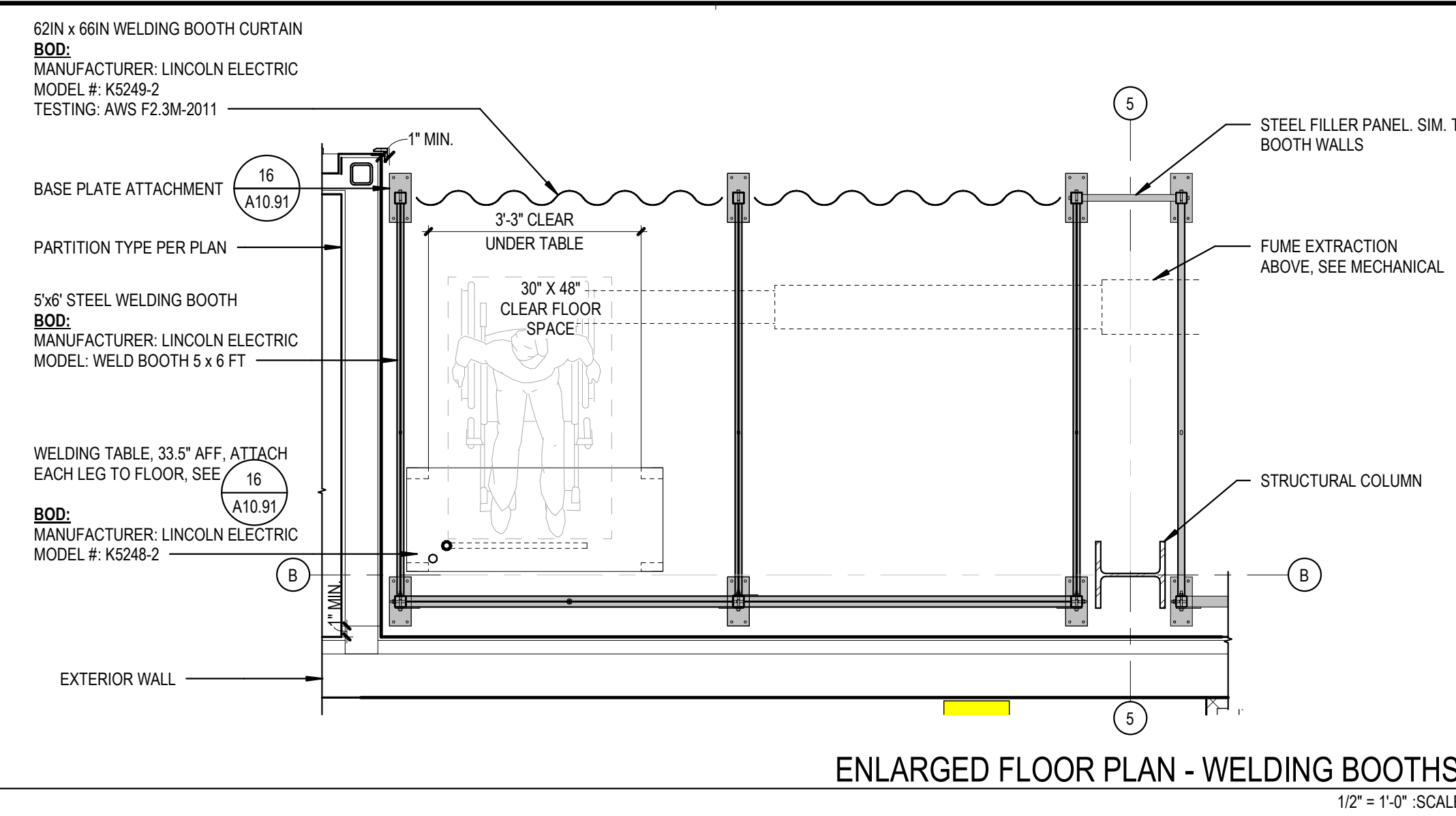
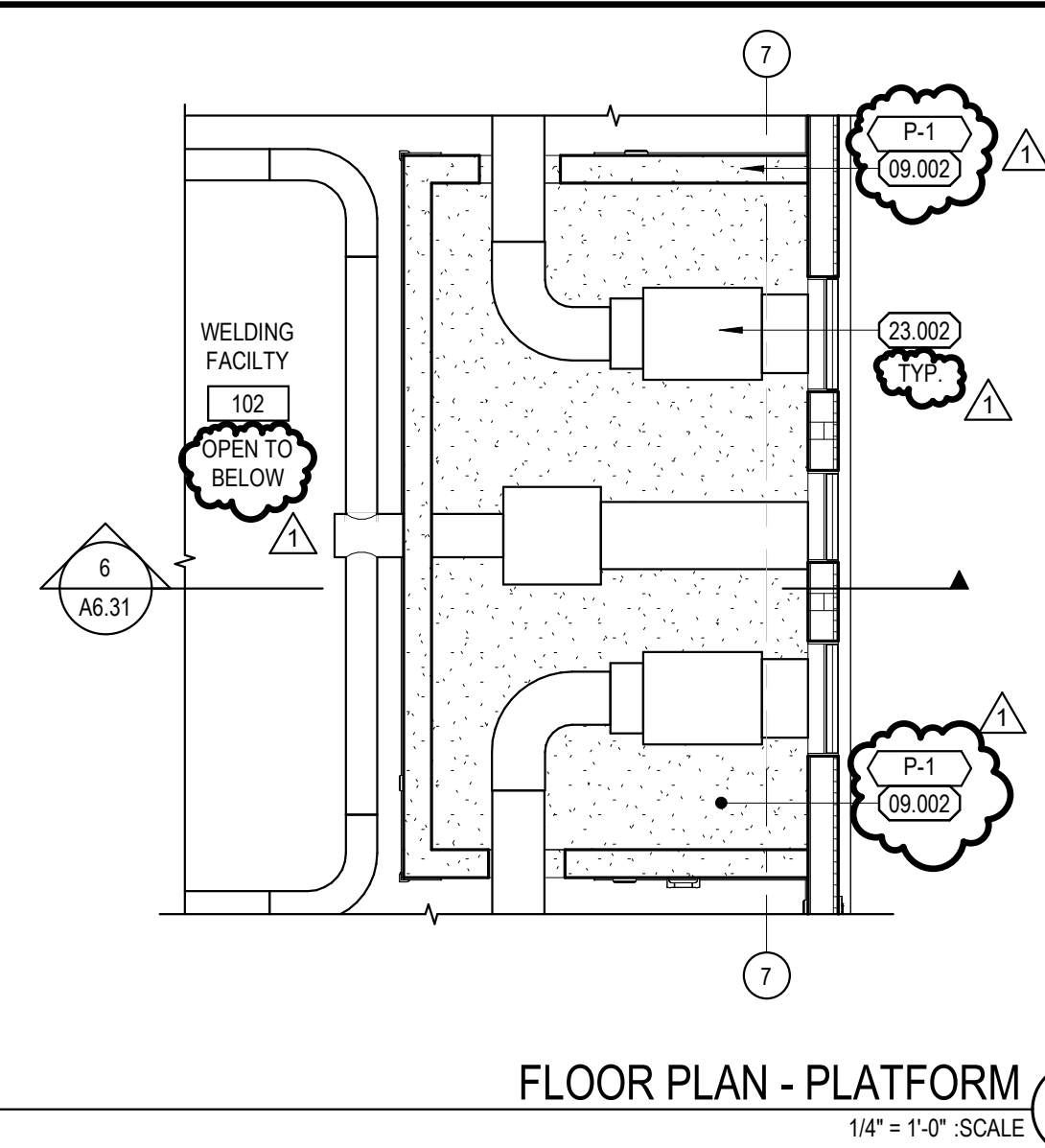
PROJECT STATUS:  
SHEET ISSUED: 08/28/2025  
DELTA: DATE: DESCRIPTION  
11/12/2025 ADDENDUM 1

## A1.31





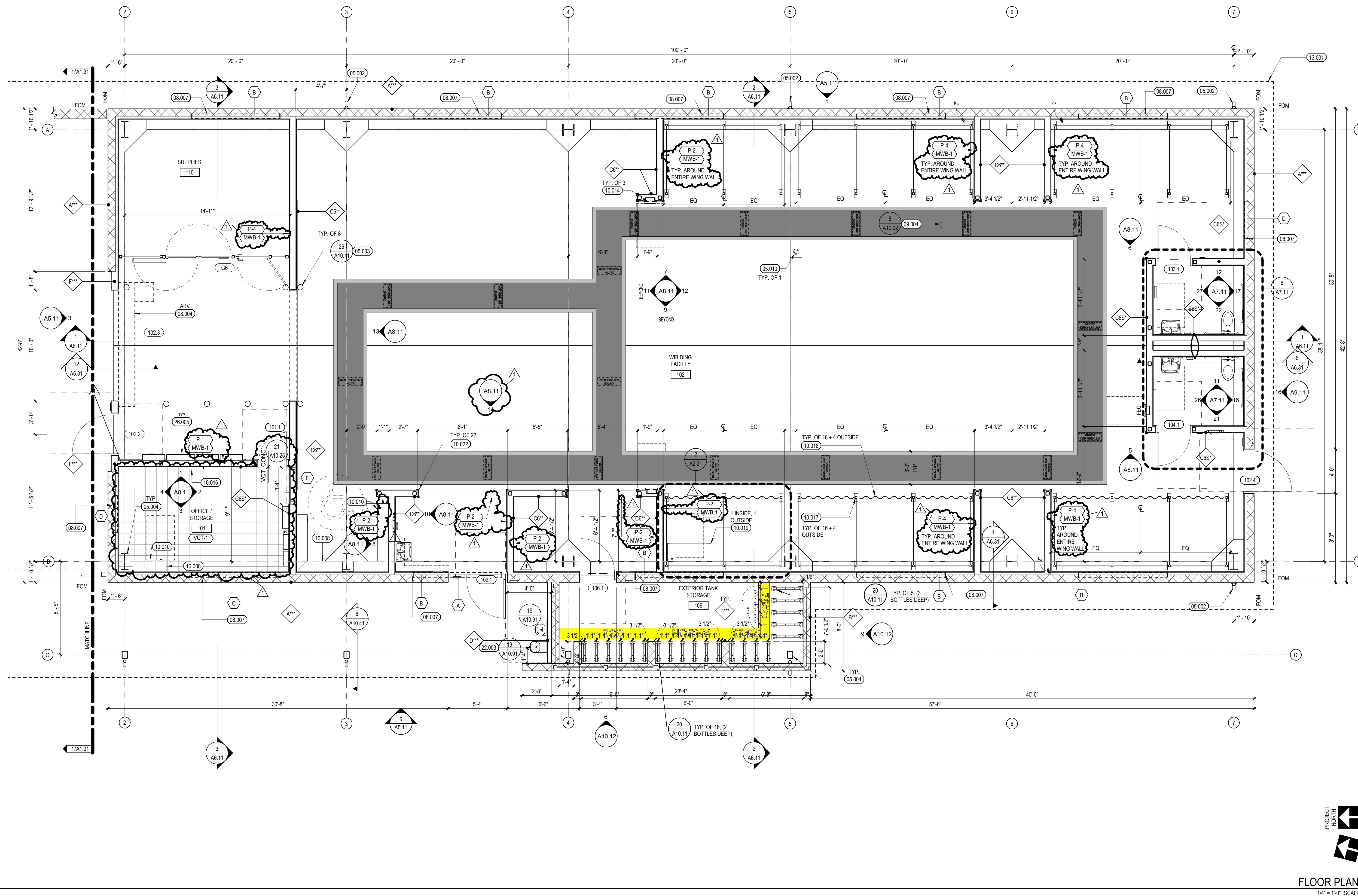




	DESCRIPTION
05.002	METAL DOWN SPOUTS
05.003	STEEL BOLLARD PER 16A10.11
05.004	STRUCTURAL STEEL MEMBER PER STRUCT. DWG.
05.010	BOLT DOWN BOLLARD PER 22A10.91
08.004	STEEL COILING DOOR
08.007	WINDOW SYSTEM ABOVE - SEE WINDOW TAG
09.002	GYPSUM BOARD
09.004	PAINTED CLEAR ACCESS AISLE
10.008	METAL LOCKERS
10.010	ACCESSIBLE METAL LOCKER
10.014	FIRE PROTECTION CABINET
10.016	TV BRACKET
10.017	WELDING GOOTH
10.018	WELDING CURTAIN - SEE 24/2.21 FOR BASIS OF DESIGN
10.019	ACCESSIBLE WELDING WORK STATION
10.021	CORNER GUARDS - SEE 25A10.25
13.002	EDGE OF ROOF ABOVE - SEE ROOF PLANS A4.11 & A4.12
22.003	FURNISH FIXTURES - DRINKING FOUNTAIN
23.002	EXPOSED MECHANICAL DUCTWORK, DRAFFY FINISH - SEE MECHANICAL
26.005	ELECTRICAL PANELS PER ELECTRICAL DRAWINGS

## GENERAL NOTES

1. THIS BUILDING REQUIRES THE USE OF A FORKLIFT, THEREFORE, WE NEED A FLOOR FLATNESS F<sub>1</sub> IS 45 AND LEVELNESS F<sub>2</sub> NEEDS TO BE 35
2. GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS THAT APPLY TO THIS DRAWING, SEE G0.02
3. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF STUDS, FACE OF MASONRY, CENTERLINE OF DOORS OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.
4. ALL CLEARANCE DIMENSIONS ARE ACTUAL AND ARE TO FINISH FACE, CENTERLINE OF PLUMBING FIXTURES, AND DOOR OPENINGS, UNLESS NOTED OTHERWISE.
5. SEE REFLECTED CEILING PLAN FOR ADDITIONAL WINDOW TAGS.



**WALLS:** SEE INTERIOR PARTITIONS SHEET A10.51

**WALL TYPE TAG** - SEE SHEET A10.51

**STUD WALL**

**CORNER GUARDS** - SEE 25/A10.25

**8" CMU WALL**

**WALL FINISH**

**BASE FINISH**

FOR WALL FINISHES NOT SHOWN ON 1/A2.21, SEE INTERIOR ELEVATIONS ON A8.11 FOR DESCRIPTIONS OF MATERIAL TAGS, SEE A9.31

**DOOR/GATE TAG**, SEE SHEET A9.11

**CURTAIN WALL / WINDOW TAG**, SEE SHEET A9.11

**VINYL TILE FLOORING**, SEE FINISH SCHEDULE ON A9.31 FOR SPECIFICATION

**FIRE EXTINGUISHER CABINET**  
TYPE ABC EXTINGUISHER  
CONC. SEE DETAIL SEMI-RECESSED  
SEE DETAIL 21/A10.91

**ACCESSIBILITY CLEARANCES**

**60" DIA. ACCESSIBLE TURN AROUND**

**48"x30" ACCESSIBLE CLEAR FLOOR SPACE**

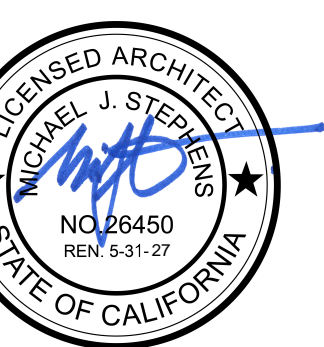
**DOOR ACCESSIBLE CLEAR FLOOR SPACE**

CONSULTANT:

FLOOR PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

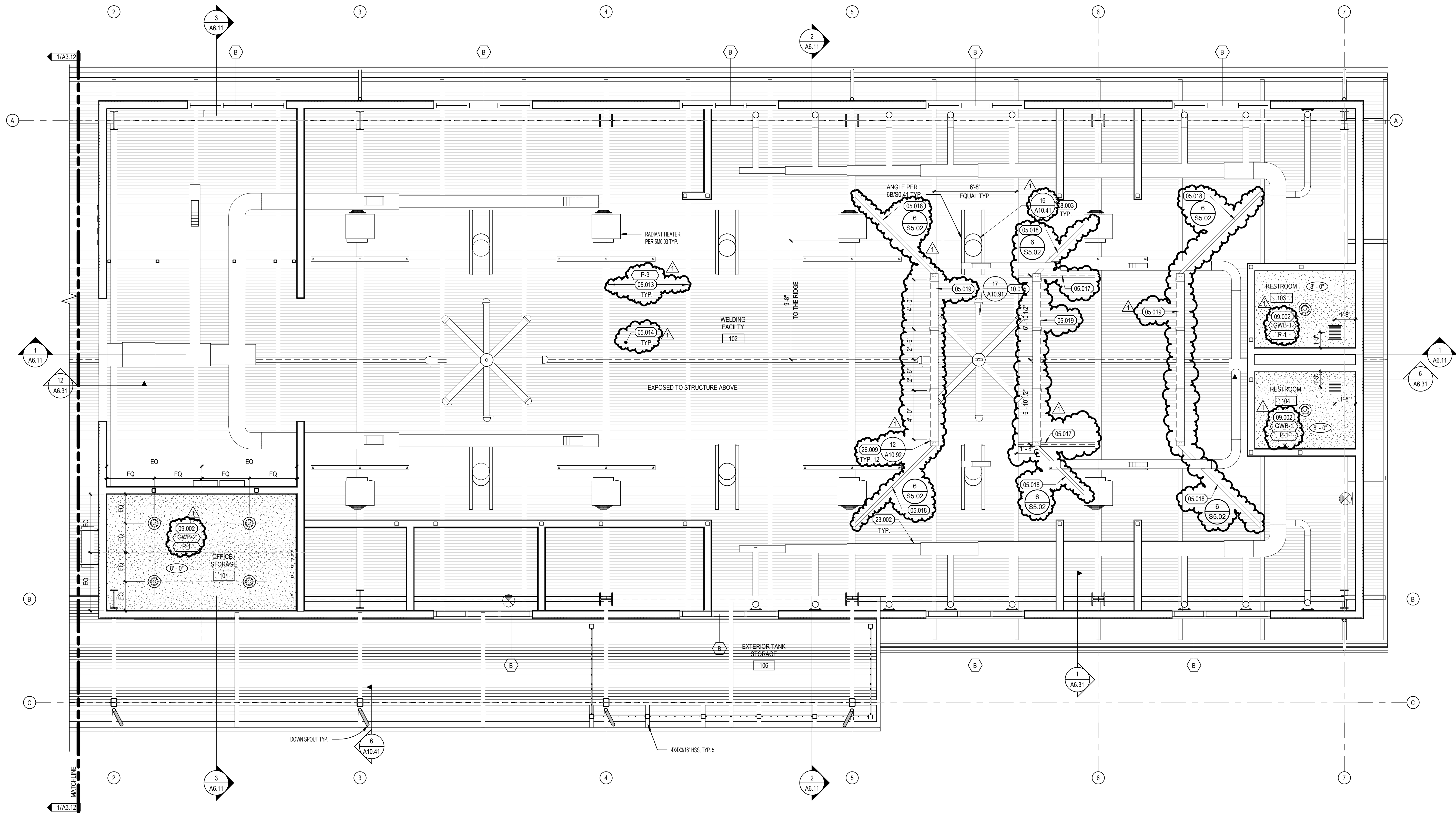
9400 CHERRY AVENUE, FONTANA, CA 92335

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PROJECT STATUS:  
SHEET ISSUED: 08/28/2025  
DELTA: DATE: DESCRIPTION:  
1 11/12/2025 ADDENDUM 1

A2.21





REFLECTED CEILING PLAN  
1/4" = 1'-0" SCALE

KEYNOTES

KEYNOTE	DESCRIPTION
05.013	EXPOSED STRUCTURAL BEAM - SEE STRUCTURAL
05.014	UNFINISHED, GALVANIZED EXPOSED METAL DECK - SEE STRUCTURAL
05.017	W10x12 - SEE STRUCTURAL
05.018	DIAGONAL BRACE
05.019	CONTINUOUS C-CHANNEL
08.003	TUBULAR DAYLIGHTING DEVICE
09.002	GYPSUM BOARD
10.015	HIGH VELOCITY CEILING FAN
23.002	EXPOSED MECHANICAL DUCTWORK, FACTORY FINISH - SEE MECHANICAL
26.009	ELECTRICAL CORD REEL

REFLECTED CEILING PLAN NOTES:

- A. REFLECTED CEILING PLAN GENERAL NOTES APPLY TO ALL REFLECTED CEILING PLAN SHEETS.  
B. CEILING HEIGHTS ARE AS NOTED ON THE REFLECTED CEILING PLAN UNLESS NOTED OTHERWISE.  
C. ALL ELECTRICAL FIXTURES, SPEAKERS, SMOKE AND THERMAL DETECTORS, MECHANICAL GRILLES, SPRINKLER HEADS, ETC., SHALL BE CENTERED BETWEEN CEILING GRIDS UNLESS NOTED OTHERWISE. SPRINKLER HEADS SHALL BE WITHIN A 3" RADIUS CENTERED BETWEEN CEILING GRIDS.  
D. ALL DIMENSIONS ON REFLECTED CEILING PLANS ARE ACTUAL AND ARE TO THE FOLLOWING UNLESS NOTED OTHERWISE:  
1. FACE OF FINISHED WALL  
2. FACE OF FINISHED BULKHEADS  
3. CENTERLINE OF COLUMNS  
4. CENTERLINE OF TEES  
F. IN AREAS WITH EXPOSED STRUCTURE CEILINGS, COORDINATE EXACT LOCATIONS OF MECHANICAL GRILLES, DIFFUSERS, DUCTWORK, AND ELECTRICAL FIXTURES WITH EACH RESPECTIVE SUBCONTRACTOR.  
G. NOT ALL WALLS GO FULL HEIGHT. REVIEW SECTIONS TO SEE WHICH ONES DO.  
H. CONTRACTOR SHALL RUN ALL PIPES, CONDUITS, TUBES, AND DUCTS PARALLEL TO THE LONG SIDE OF THE BUILDING AND PERPENDICULAR TO THE LONG SIDE OF THE BUILDING. NO DIAGONAL INSTALLATIONS OF THE ABOVE ITEMS SHALL BE PERMITTED IN PLAN VIEW. ALL CONDUITS AND PIPES SHALL BE PARALLEL TO ONE ANOTHER. THIS REQUIREMENT ALSO APPLIES TO THE VERTICAL DIRECTION OF THE BUILDING; NO DIAGONAL CONDUITS OR PIPES SHALL BE INSTALLED ON THE WALLS, UNLESS OTHERWISE SPECIFIED. ANY DIAGONALLY INSTALLED ITEMS SHALL BE REPLACED AT NO COST TO THE OWNER WITH PARALLEL ITEMS.  
I. ALL EXPOSED PIPES, CONDUITS, TUBES AND DUCTS SHALL BE LEFT UNFINISHED.

RCP LEGEND

	GYPSUM BOARD CEILING	4 S2.02	5 S2.02
	METAL DECK, SEE "METAL DECK SCHEDULE", SHEET	6 S0.41	
	ROUND DOWNLIGHT	26 A10.91	
	HVAC EXHAUST	1 A10.92	

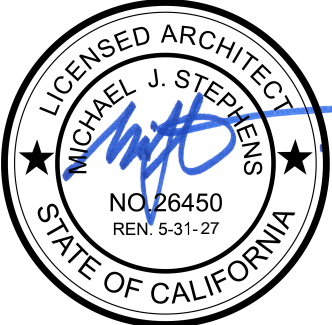
CONSULTANT:

REFLECTED CEILING PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:



**sgn**  
ARCHITECTS

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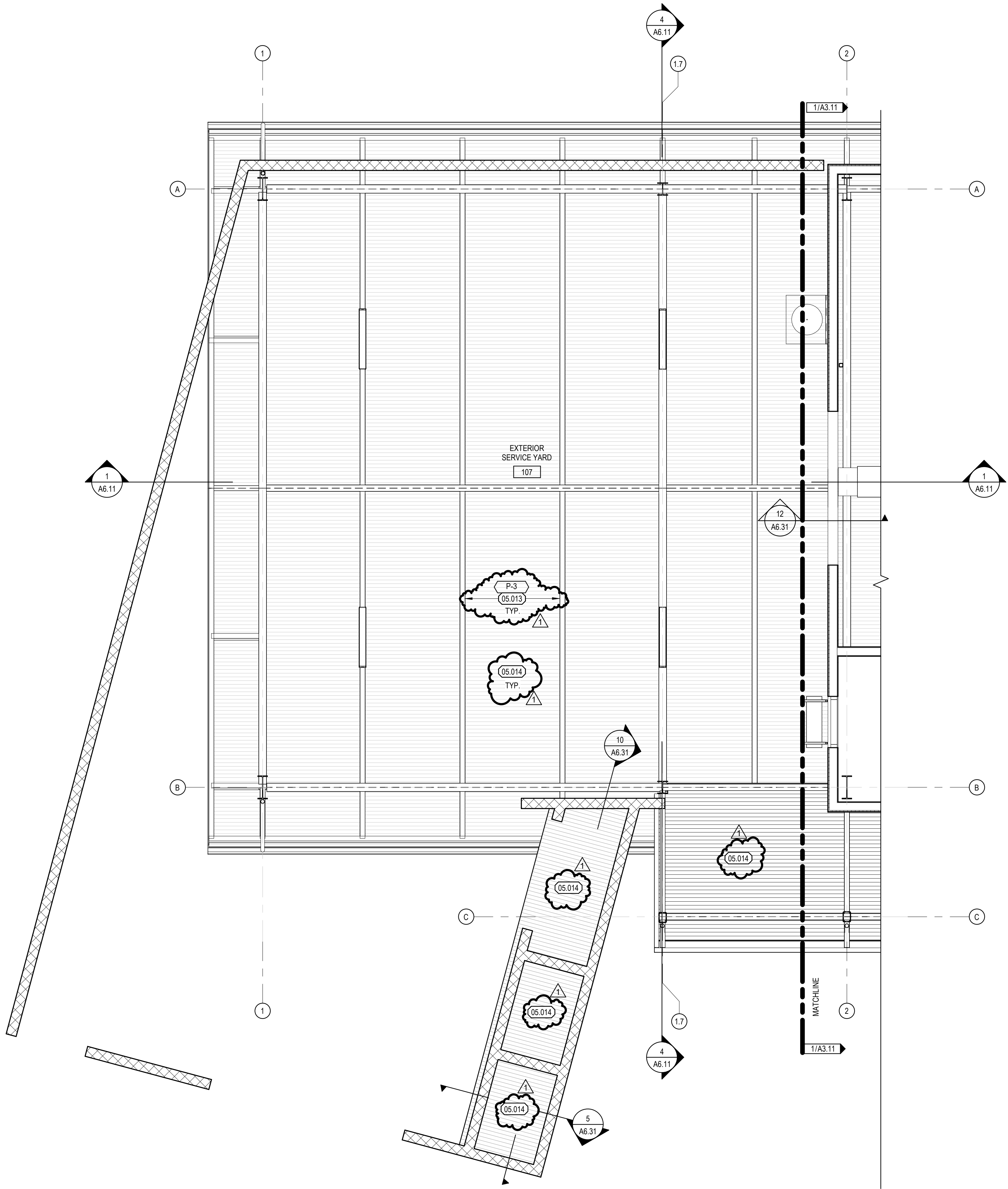
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 06/29/2025  
SHEET ISSUED: 06/29/2025  
DATE: 11/25/2025  
DESCRIPTION: ADDENDUM 1

A3.11



C:\Users\cardinal\Documents\WVF Building design - R24\_D\ceiling\REFN.v4

1/23/2025 9:30:41 AM



REFLECTED CEILING PLAN - SERVICE YARD  
1/4" = 1'-0" SCALE

KEYNOTES

RCP LEGEND

	GYPSUM BOARD CEILING	4 S2.02	5 S2.02
	METAL DECK, SEE "METAL DECK SCHEDULE", SHEET	S0.41	
	ROUND DOWNLIGHT	26 A10.91	
	HVAC EXHAUST	1 A10.92	

PROJECT NUMBER: 23-46102-00  
PROJECT STATUS:   
SHEET ISSUED: 08/28/2025  
DATE: 11/22/2025  
DESCRIPTION: ADDENDUM 1



REFLECTED CEILING PLAN - NORTH

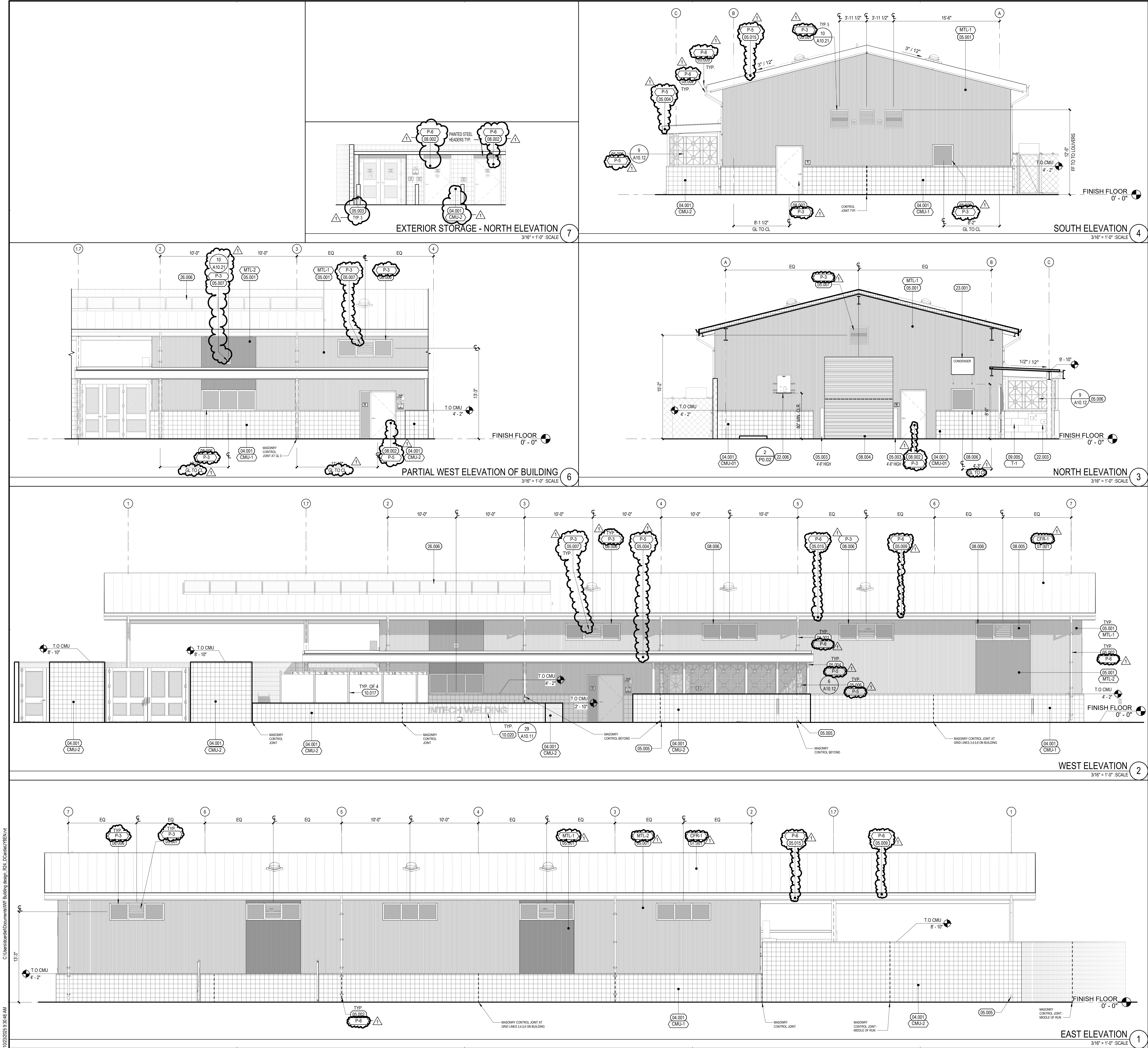
CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

SEALS:





KEYNOTES

- DESCRIPTION
- 04.001 CONCRETE UNIT MASONRY - PRECISION FACE
  - 05.001 INSULATED METAL WALL PANEL
  - 05.002 METAL DOWN SPOUTS
  - 05.003 STEEL BOLLARD PER 16A10.11
  - 05.004 STRUCTURAL STEEL MEMBER PER STURCT. DWG.
  - 05.005 DOWNSPOUT OUTLET THROUGH CMU WALL
  - 05.006 CUSTOM METAL SCREEN
  - 05.007 METAL LOUVERS
  - 05.008 PAINTED STEEL HEADERS TYP.
  - 05.009 GALVANIZED STEEL FASCIA
  - 05.010 STANDING SEAM METAL ROOF
  - 08.002 DOOR AND DOOR FRAME - SEE DOOR SCHEDULE
  - 08.004 STEEL COLLING DOOR
  - 08.005 GLAZING
  - 08.006 HOLLOW METAL FRAME WINDOW SYSTEM
  - 09.005 PORCELAIN WALL TILE
  - 10.017 WELDING BOOTH
  - 10.020 12" METAL LETTER, 3/8" O.
  - 22.003 PLUMBING FIXTURE - DRINKING FOUNTAIN
  - 22.006 ELECTRIC WATER HEATER
  - 23.001 MINI-SPLIT SYSTEM CONDENSER PER 9M0.03
  - 26.006 PHOTOVOLTAIC PANELS

BASIS OF DESIGN  
EXTERIOR MATERIAL SPECIFICATIONS  
(COLOR AND FINISH)

04 MASONRY

- CMU-1
- FINISH: CONCRETE UNIT MASONRY PRECISION - VERTICAL SCORE, EXTERIOR SIDE (VS1)
  - BOND PATTERN: RUNNING BOND
  - COLOR: ANGELUS BLOCKING CO. "SHOTBLAST - SILVER"
  - NOTES: USED FOR BUILDING EXTERIOR WALLS, TYPICAL

CMU-2

- FINISH: CONCRETE UNIT MASONRY PRECISION - VERTICAL SCORE, EACH SIDE (VS2)
- BOND PATTERN: RUNNING BOND
- COLOR: ANGELUS BLOCKING CO. "SHOTBLAST - SILVER"
- NOTES: USED FOR EXTERIOR SITE WALLS, TYPICAL

05 METALS

- MTL-1
- TO MATCH:
- MANUFACTURER: METL SPAN
  - PROFILE: "CF MESA"
  - COLOR: "SMOKE GRAY"

MTL-2

- TO MATCH:
- MANUFACTURER: METL SPAN
  - PROFILE: "CF MESA"
  - COLOR: "TERRACOTTA"

09 FINISHES

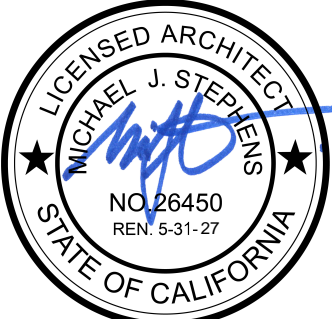
- T-1
- TO MATCH:
- MANUFACTURER: TILEBAR
  - COLOR: "PORTRAIT OCEAN BLUE"
  - SIZE: 12 x 24

EXTERIOR ELEVATIONS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS



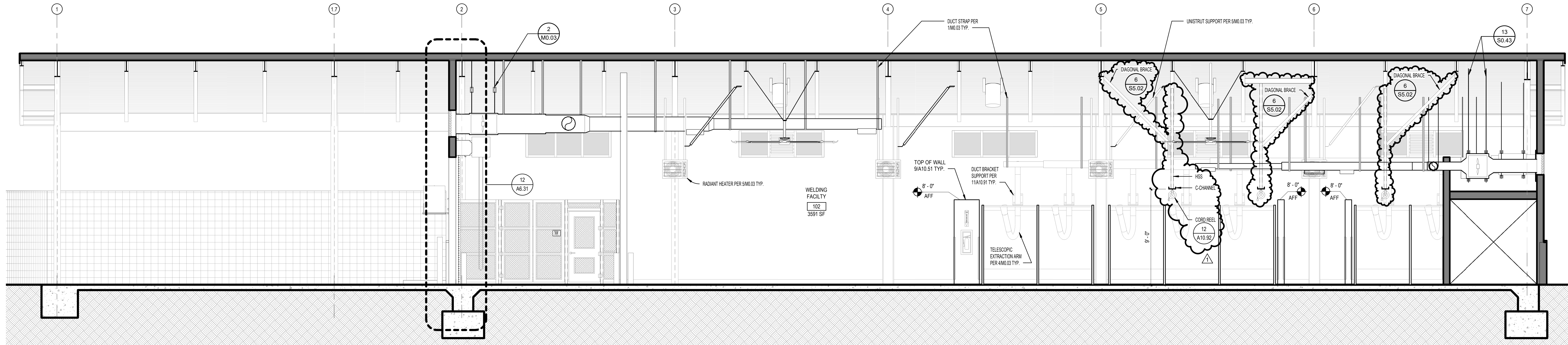
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PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: PROJECT ISSUED: 08/28/2025  
SHEET STATUS: DESCRIPTION: ADDENDUM 1  
DATE: 11/28/2025

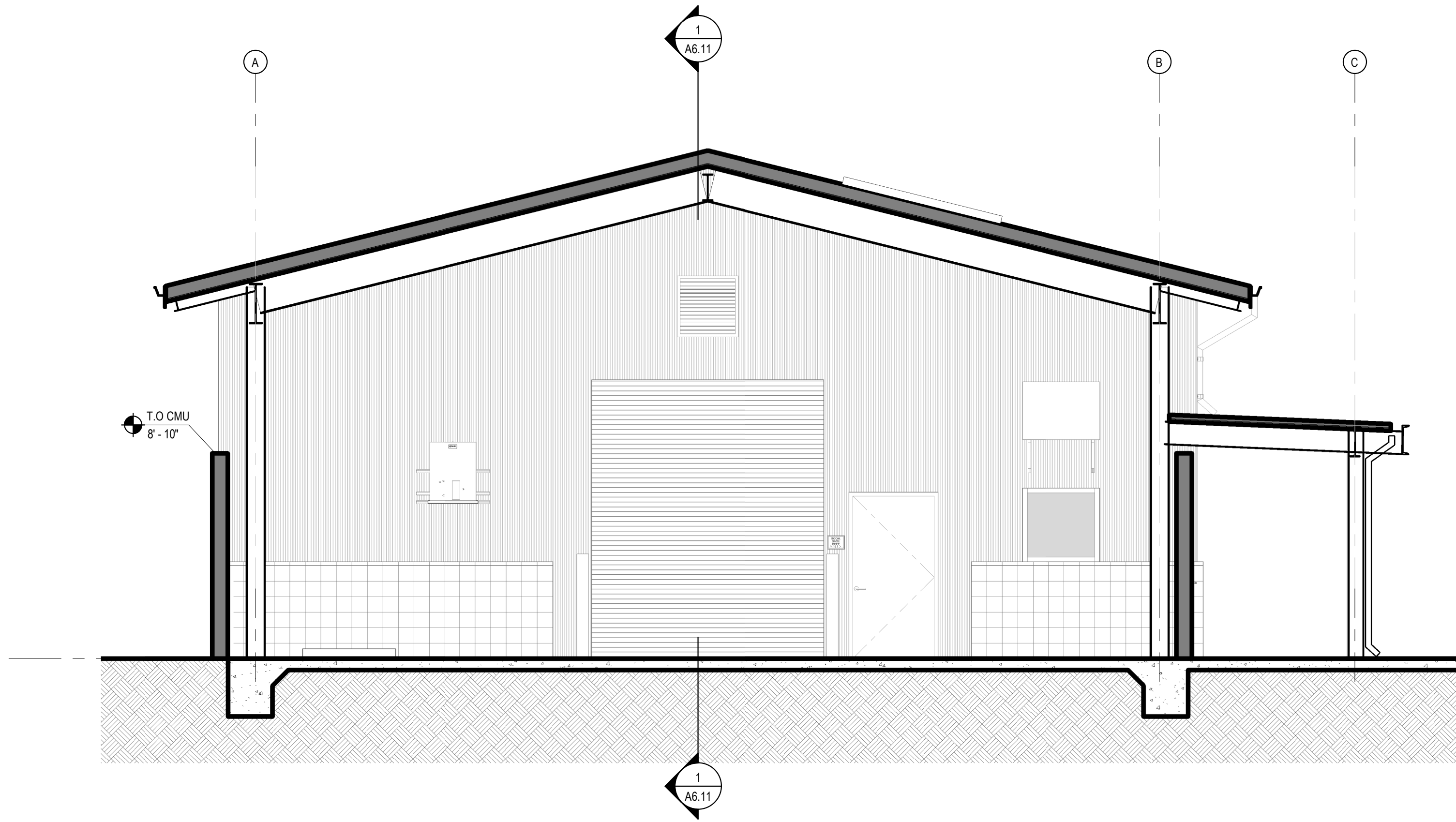
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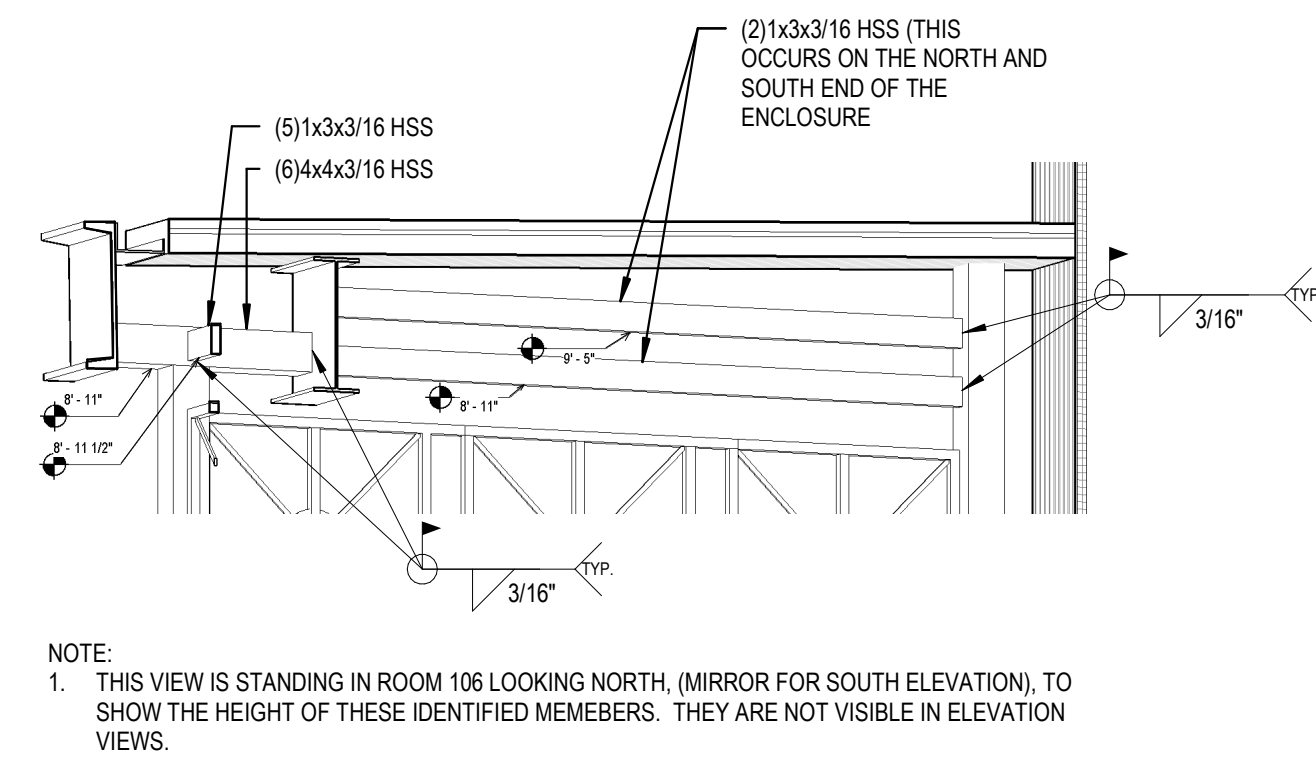
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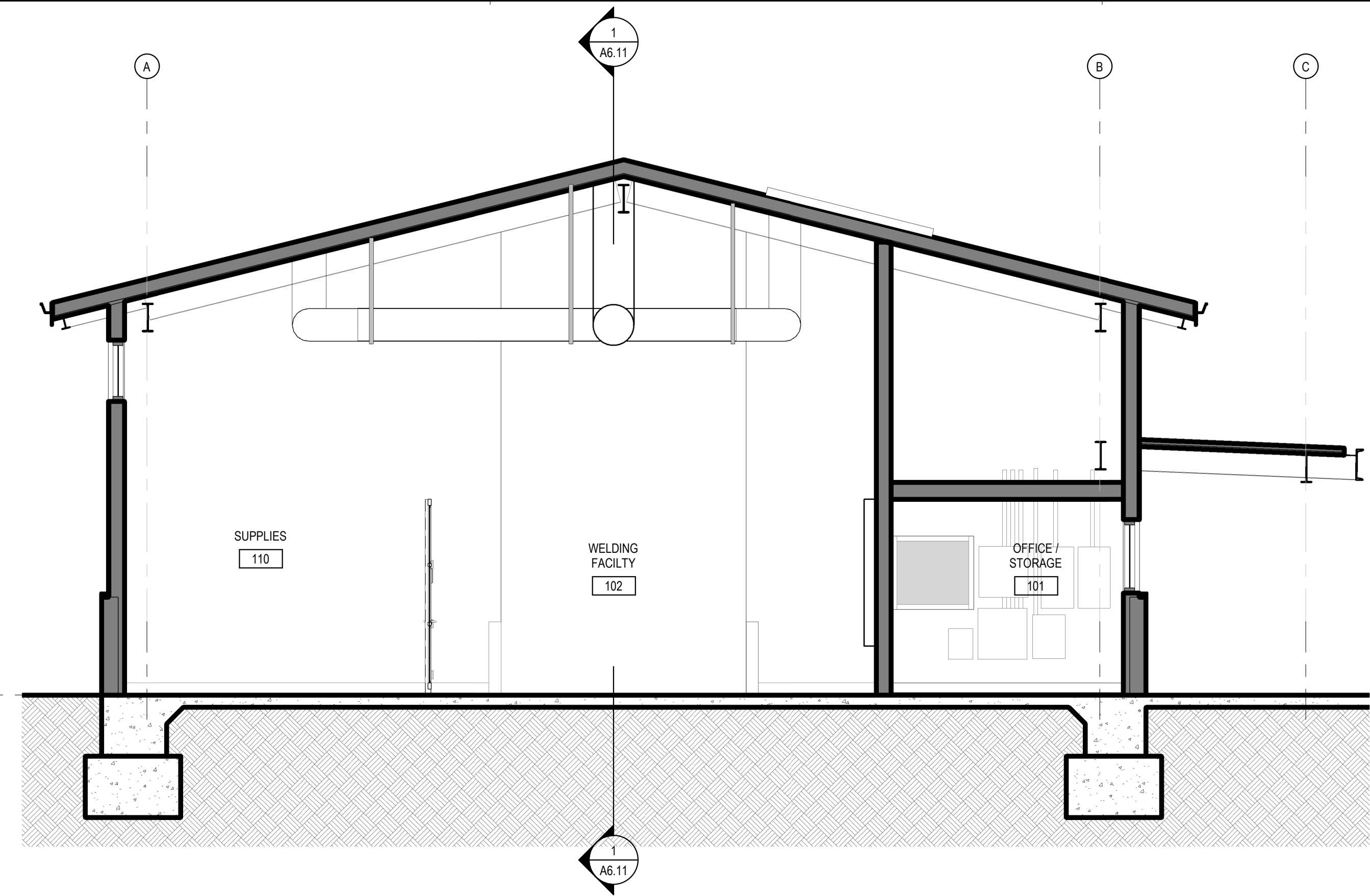
BUILDING SECTION 1  
1/4" = 1'-0" SCALE



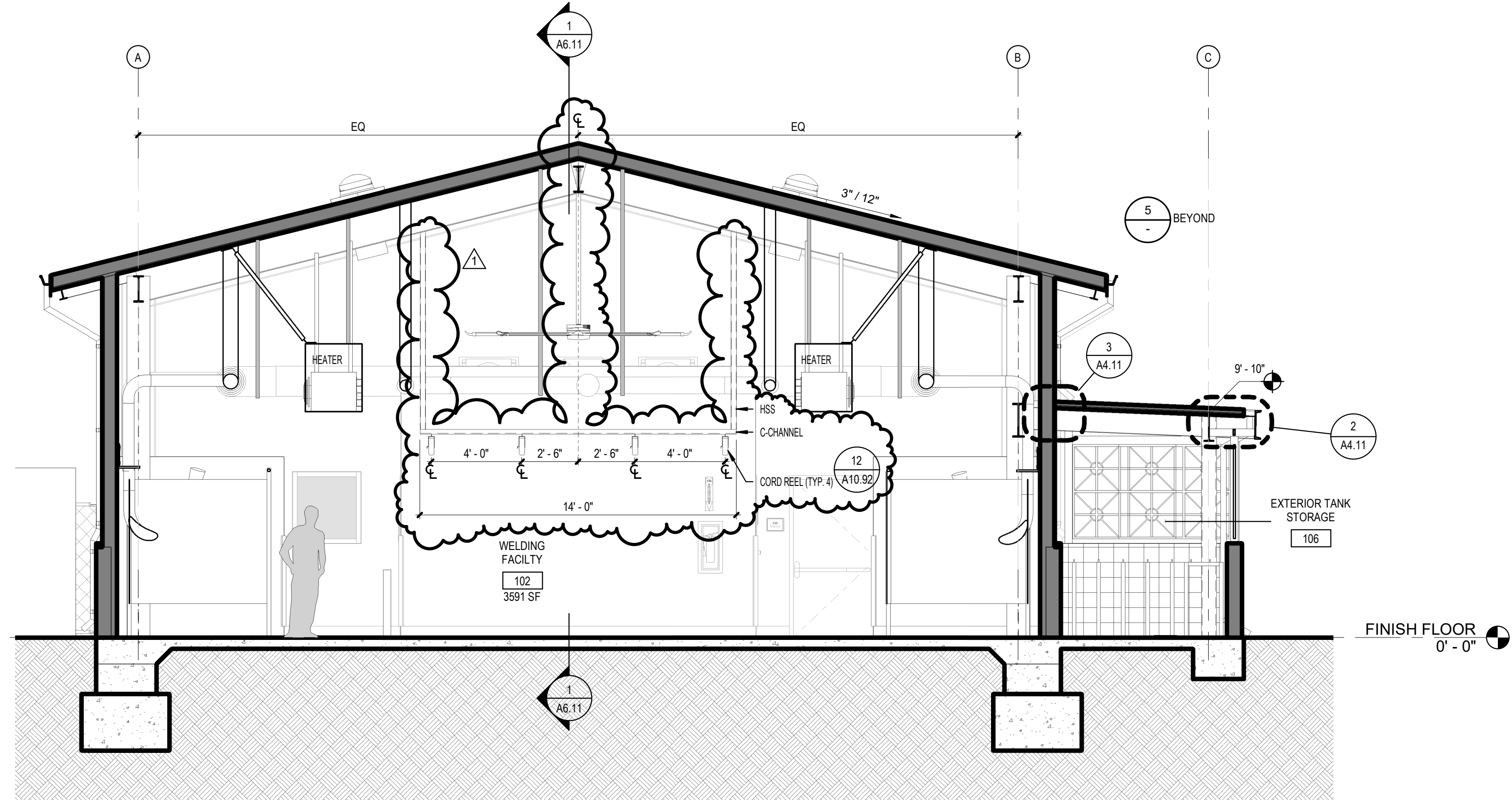
BUILDING SECTION 4  
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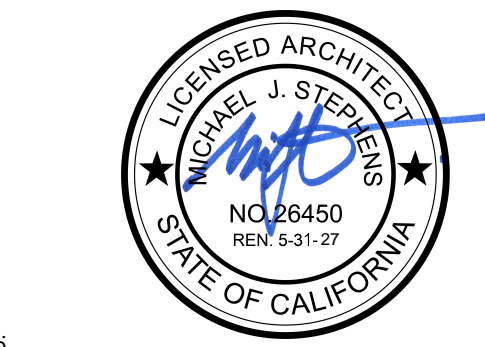
AXO ABOVE SCREEN 5  
NTS SCALE



BUILDING SECTION 3  
1/4" = 1'-0" SCALE



BUILDING SECTION 2  
1/4" = 1'-0" SCALE



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PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 08/29/2025  
SHEET ISSUED: 08/29/2025  
DATE: 11/14/2025  
DESCRIPTION: ADDENDUM 1

SECTIONS - OVERALL BUILDING

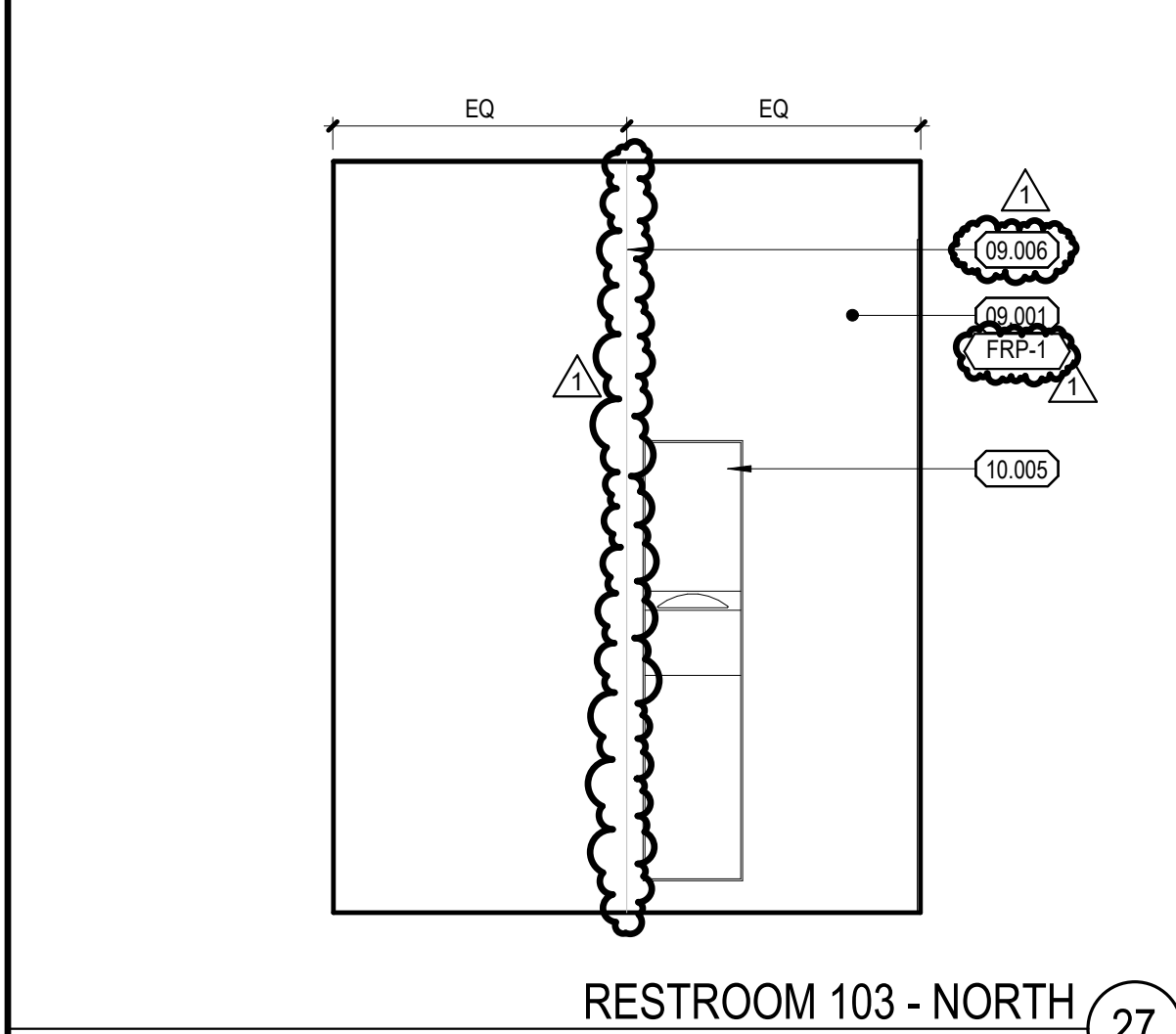
CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

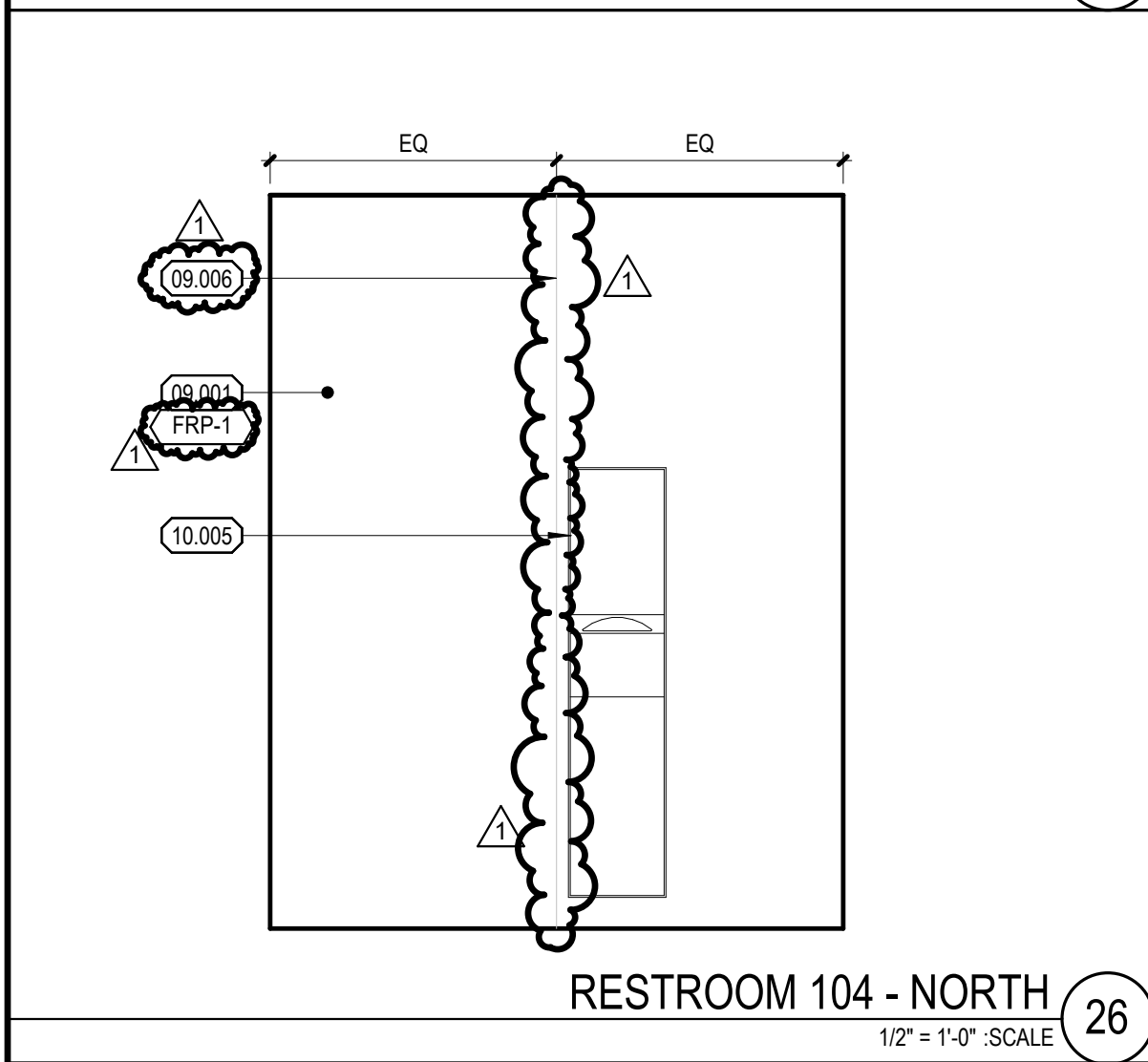
CONSULTANT:

A6.11

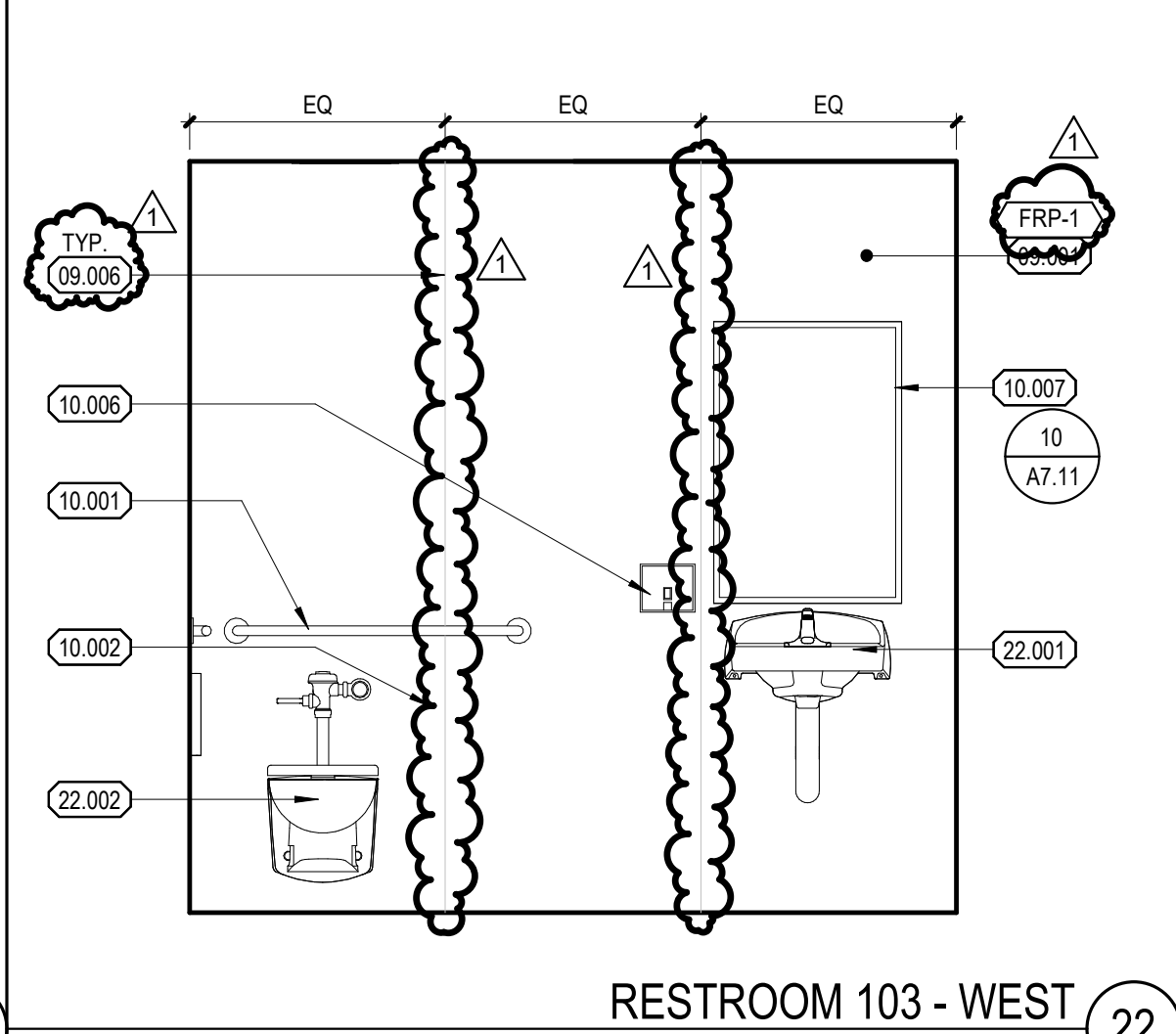




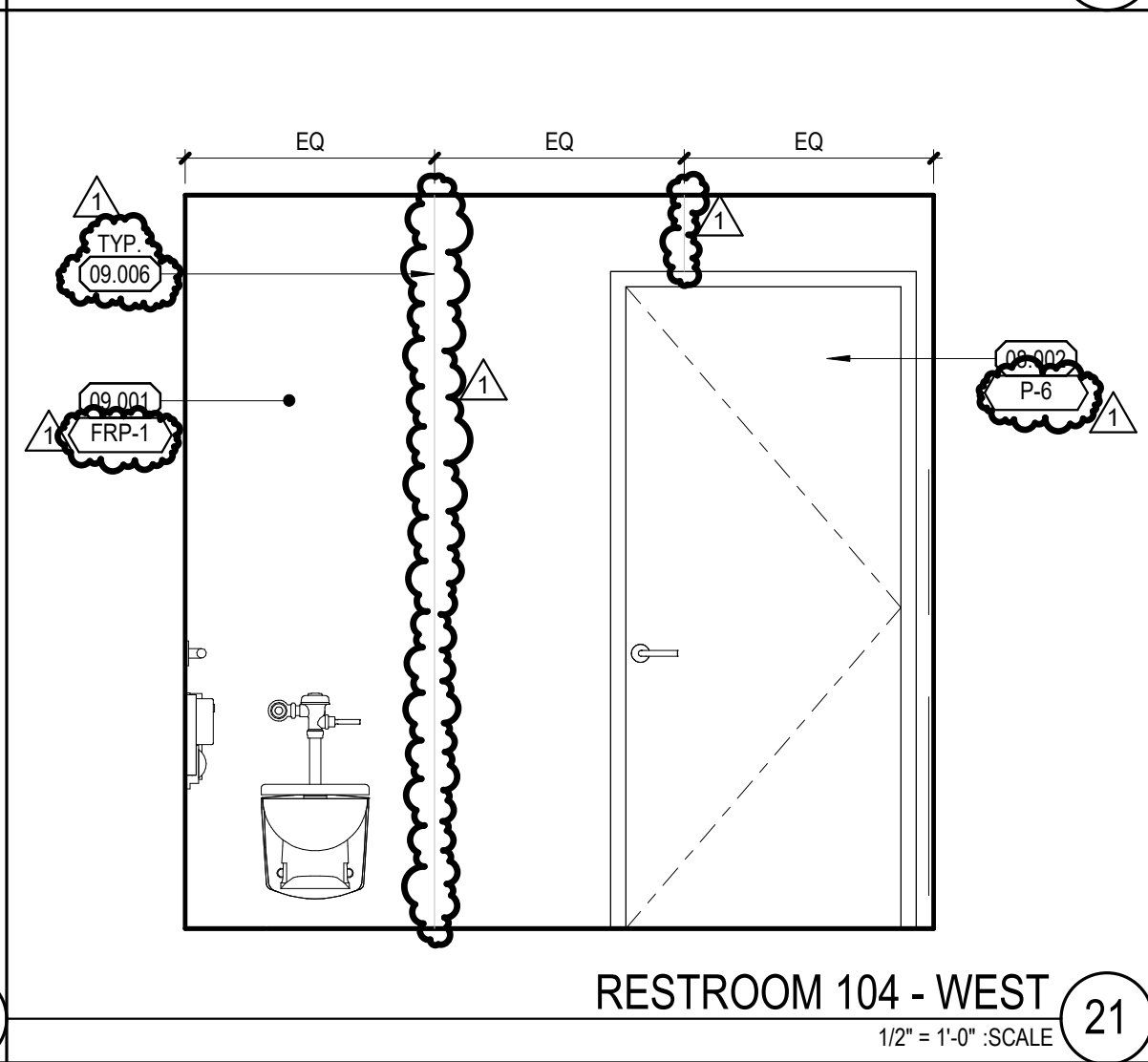
RESTROOM 103 - NORTH  
1/2" = 1'-0" SCALE 27



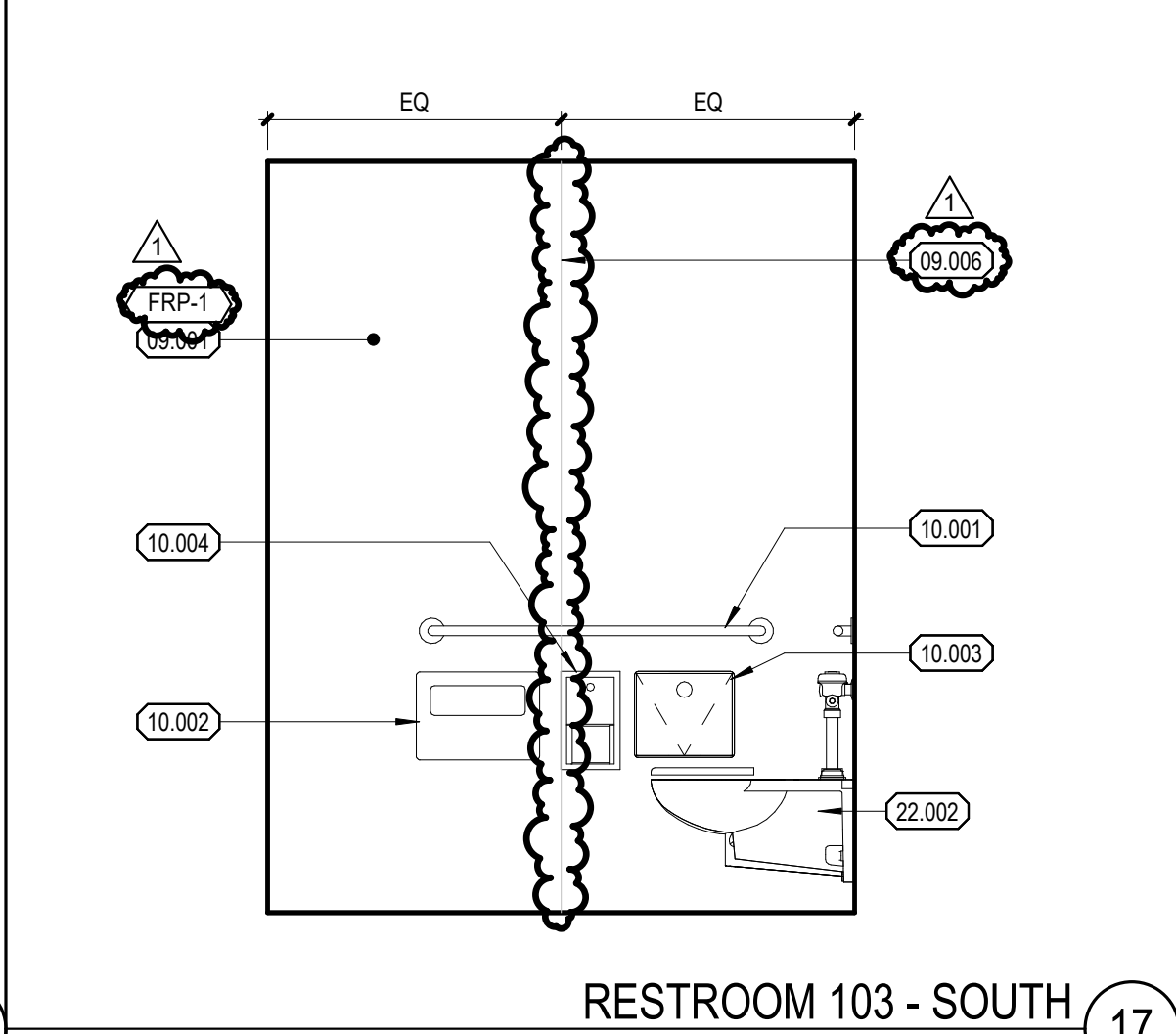
RESTROOM 104 - NORTH  
1/2" = 1'-0" SCALE 26



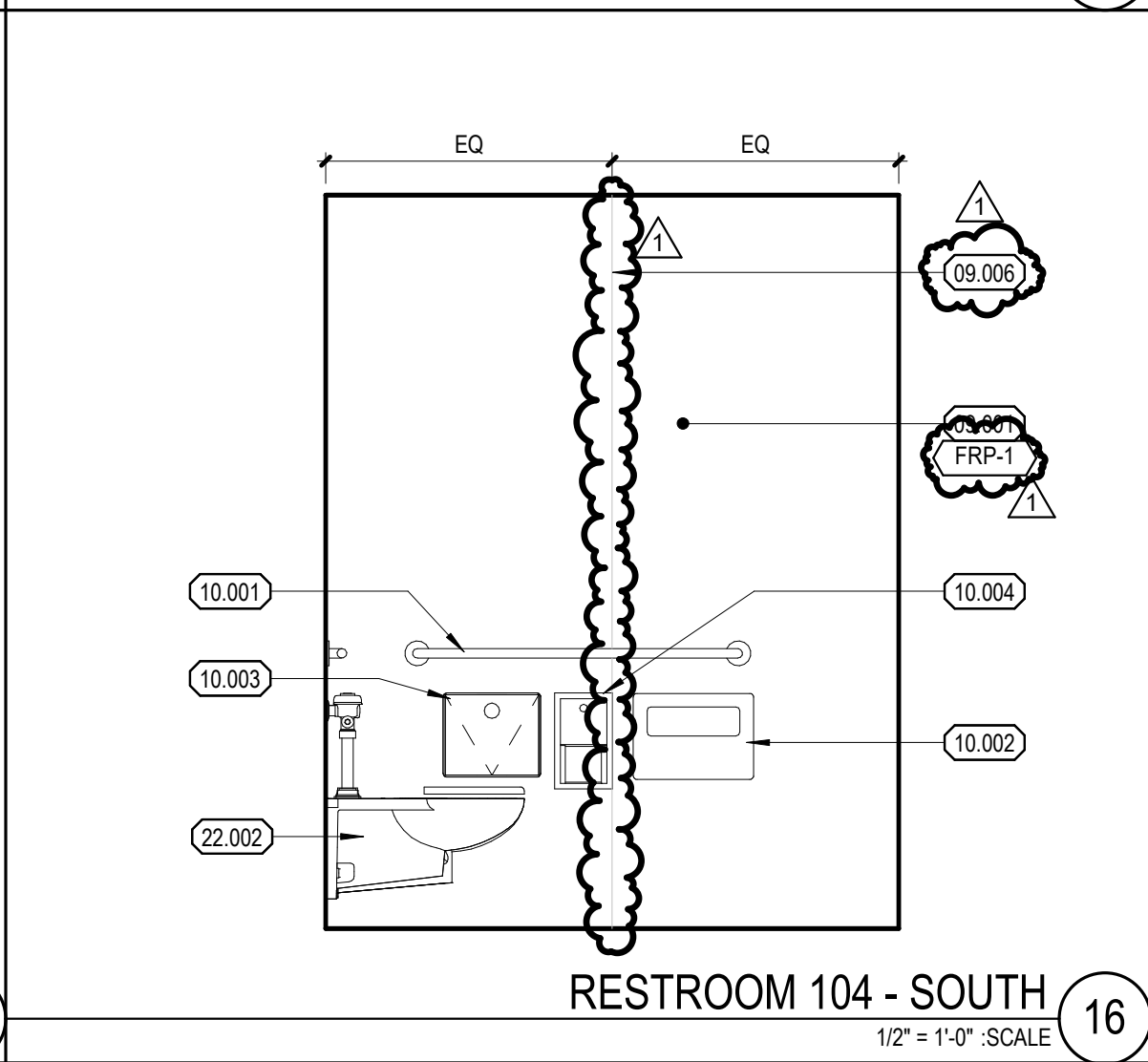
RESTROOM 103 - WEST  
1/2" = 1'-0" SCALE 22



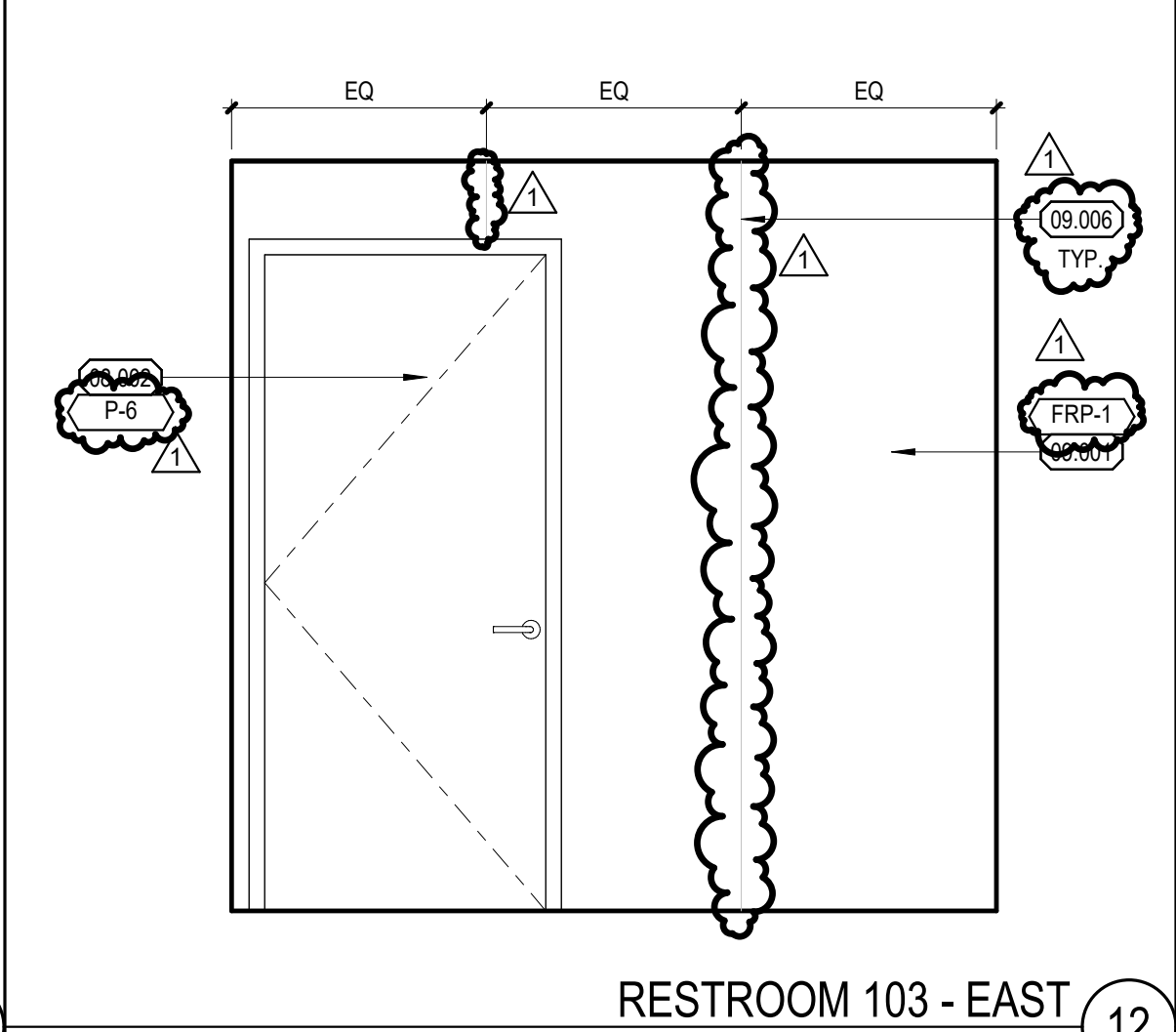
RESTROOM 104 - WEST  
1/2" = 1'-0" SCALE 21



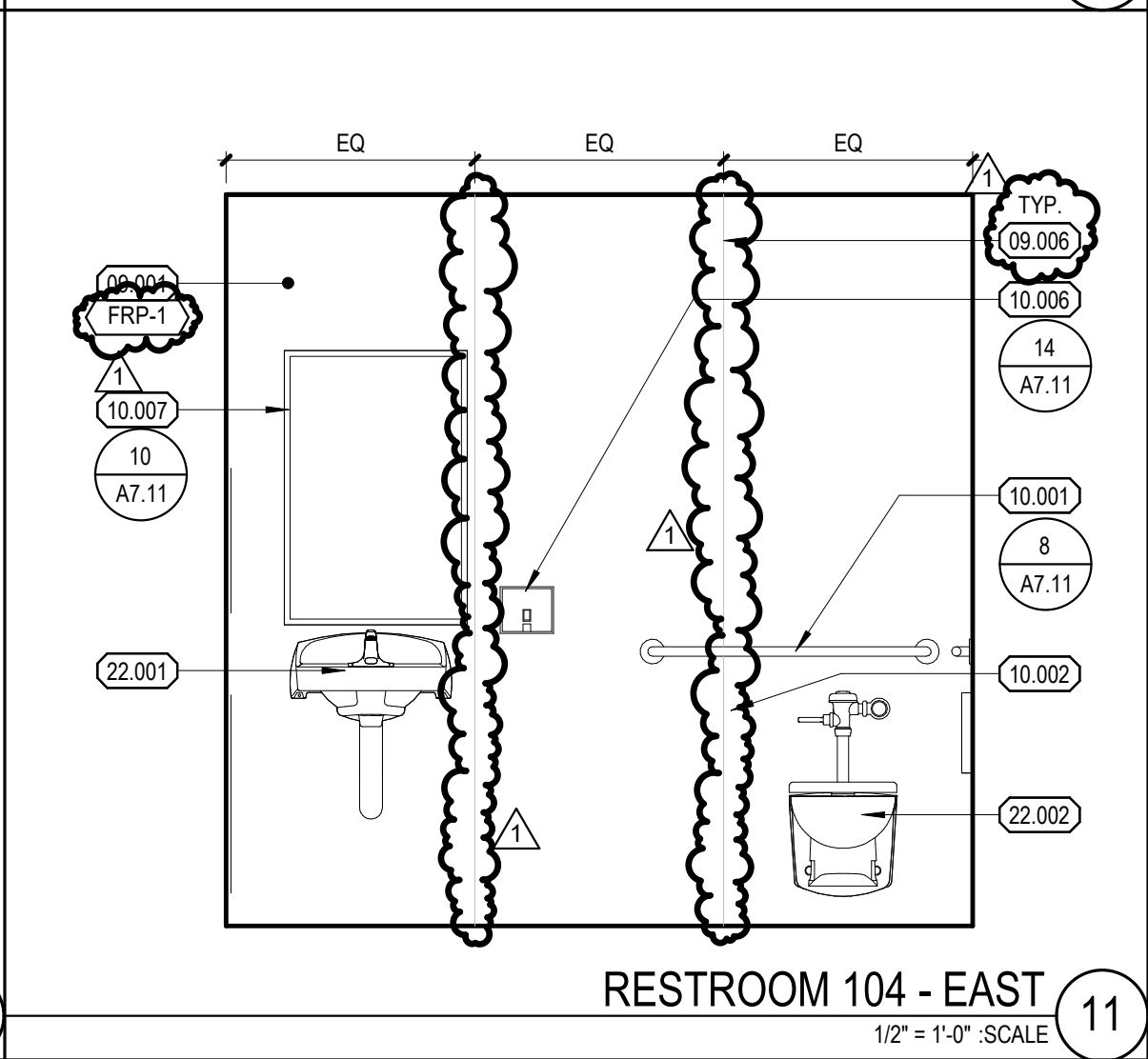
RESTROOM 103 - SOUTH  
1/2" = 1'-0" SCALE 17



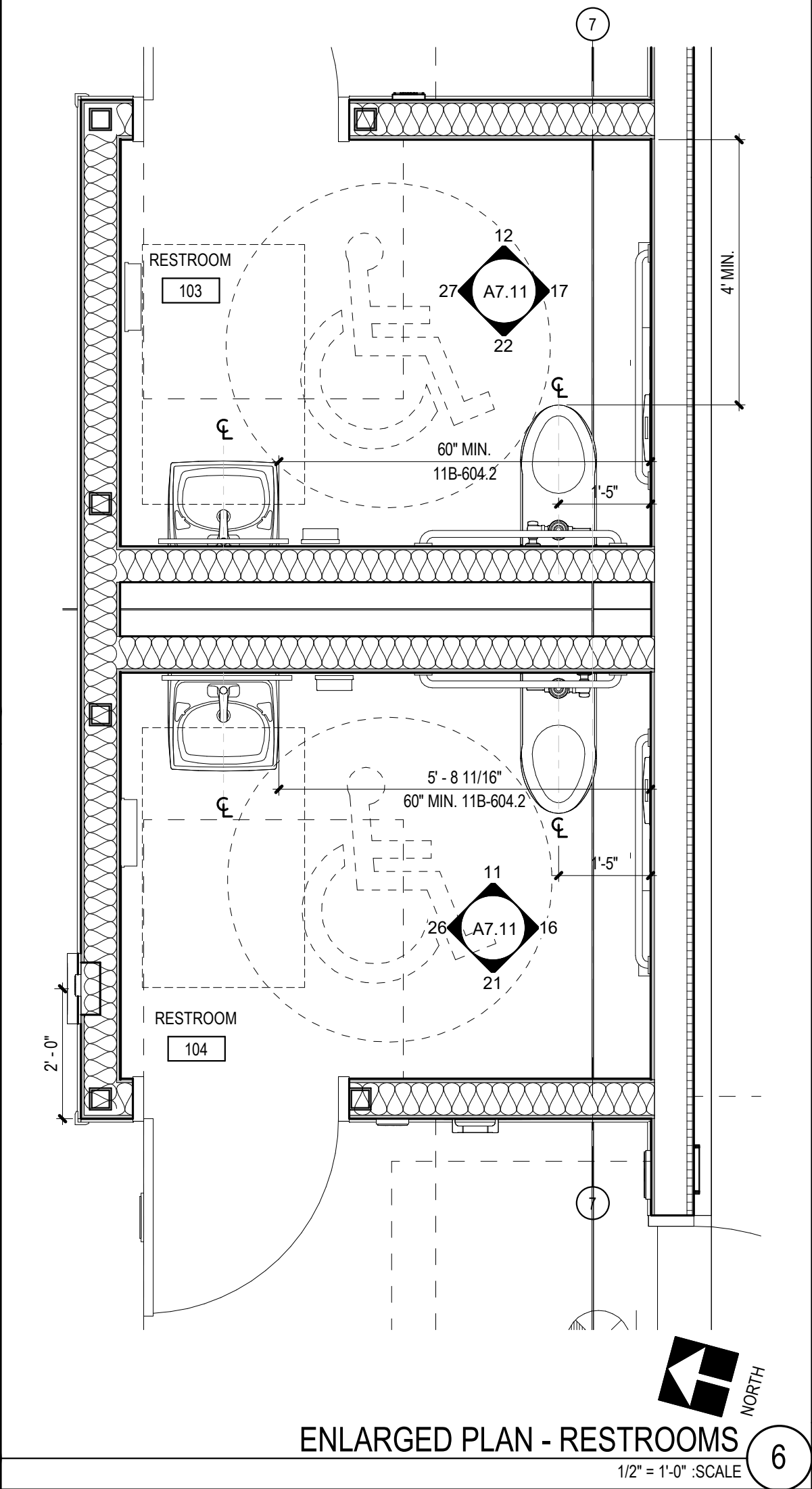
RESTROOM 104 - SOUTH  
1/2" = 1'-0" SCALE 16



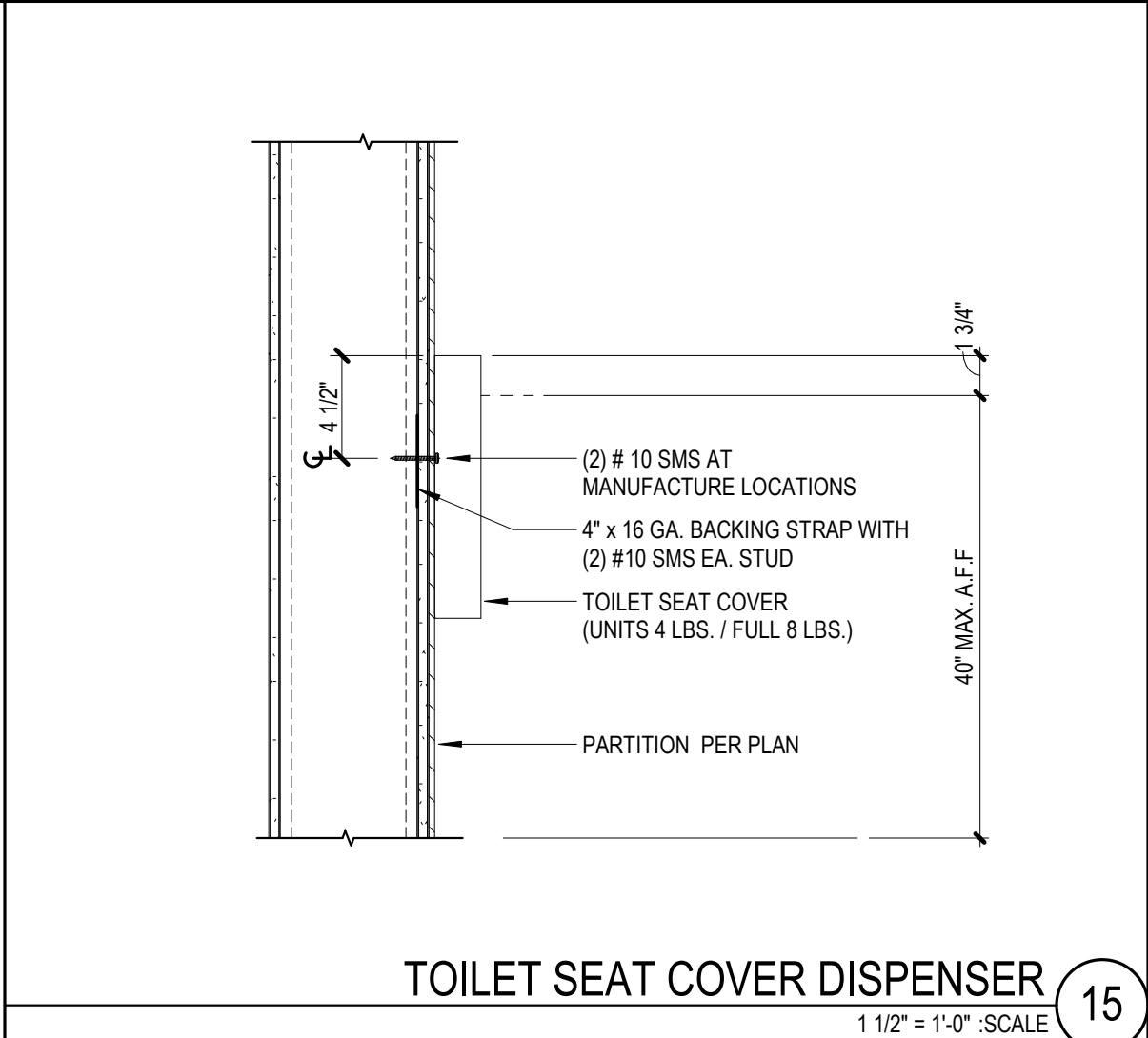
RESTROOM 103 - EAST  
1/2" = 1'-0" SCALE 12



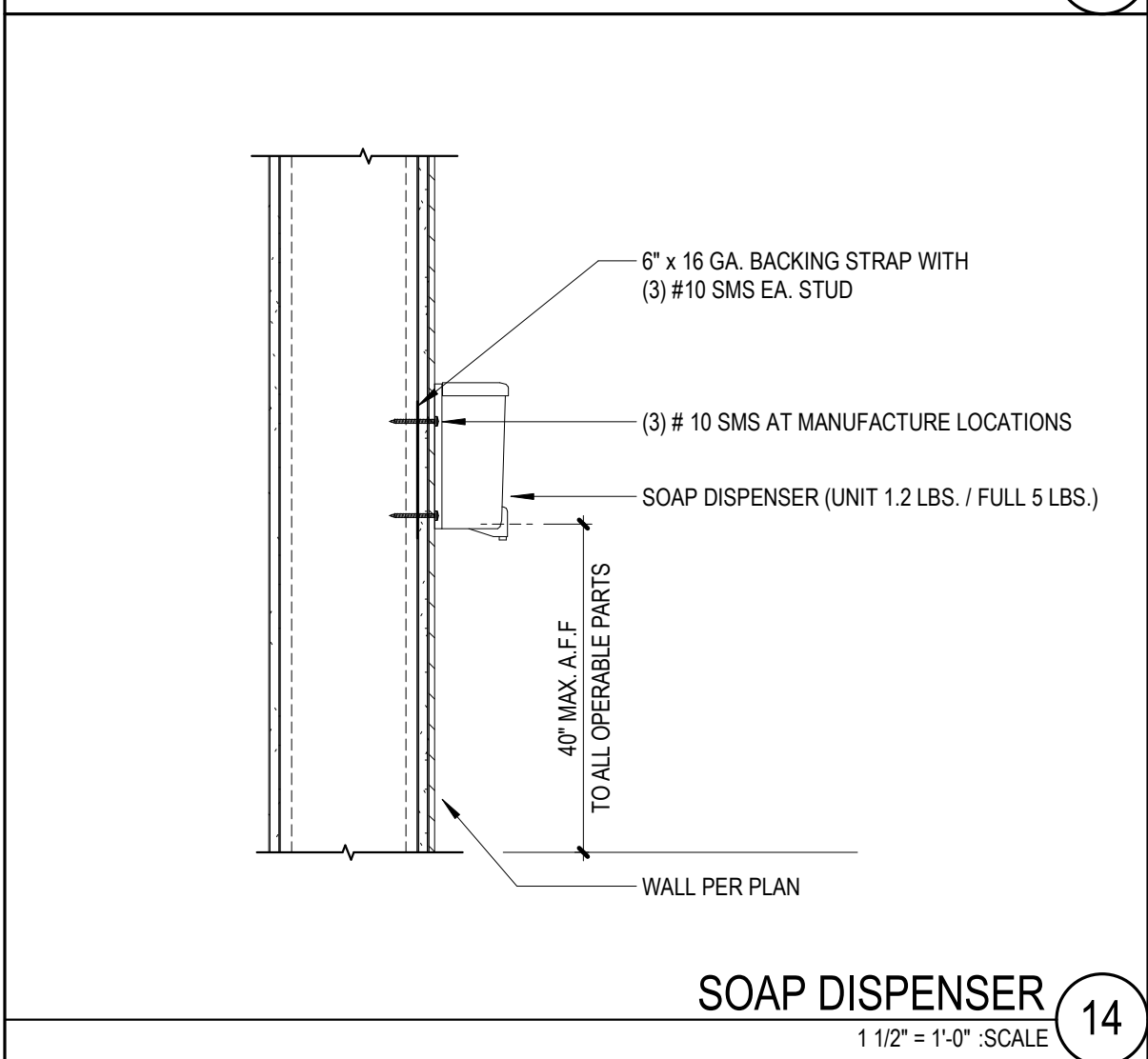
RESTROOM 104 - EAST  
1/2" = 1'-0" SCALE 11



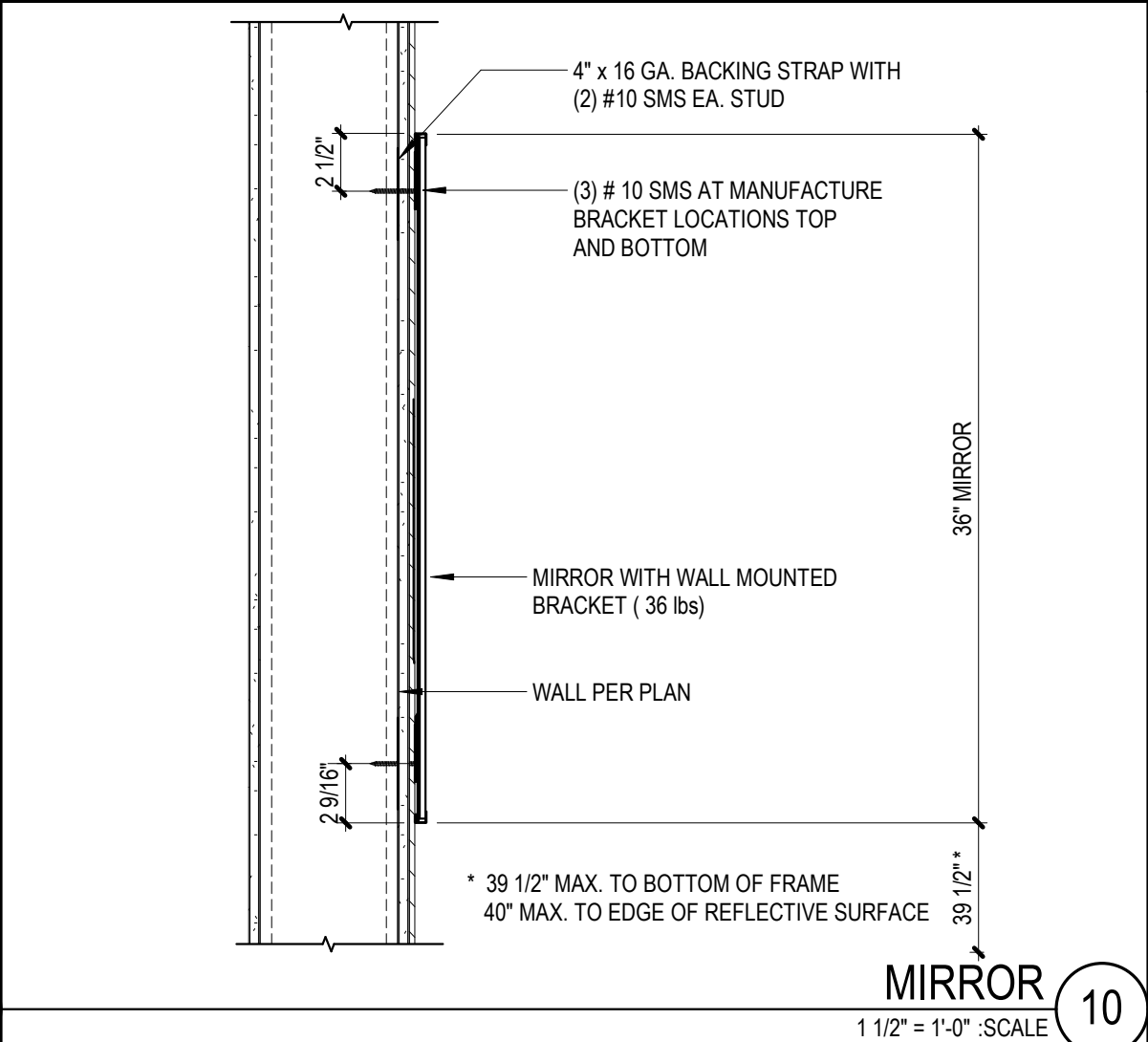
ENLARGED PLAN - RESTROOMS  
1/2" = 1'-0" SCALE 6



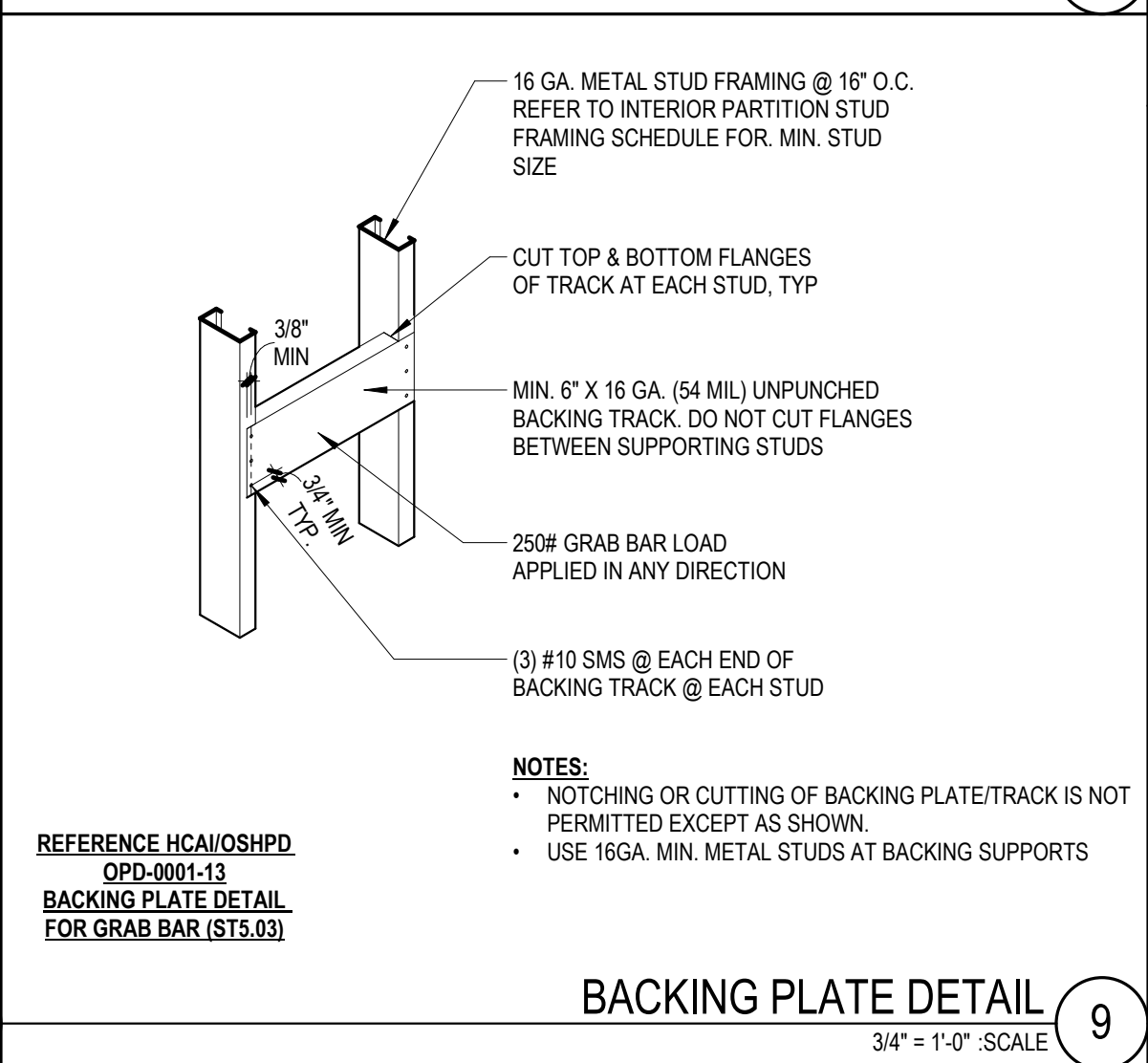
TOILET SEAT COVER DISPENSER  
1 1/2" = 1'-0" SCALE 15



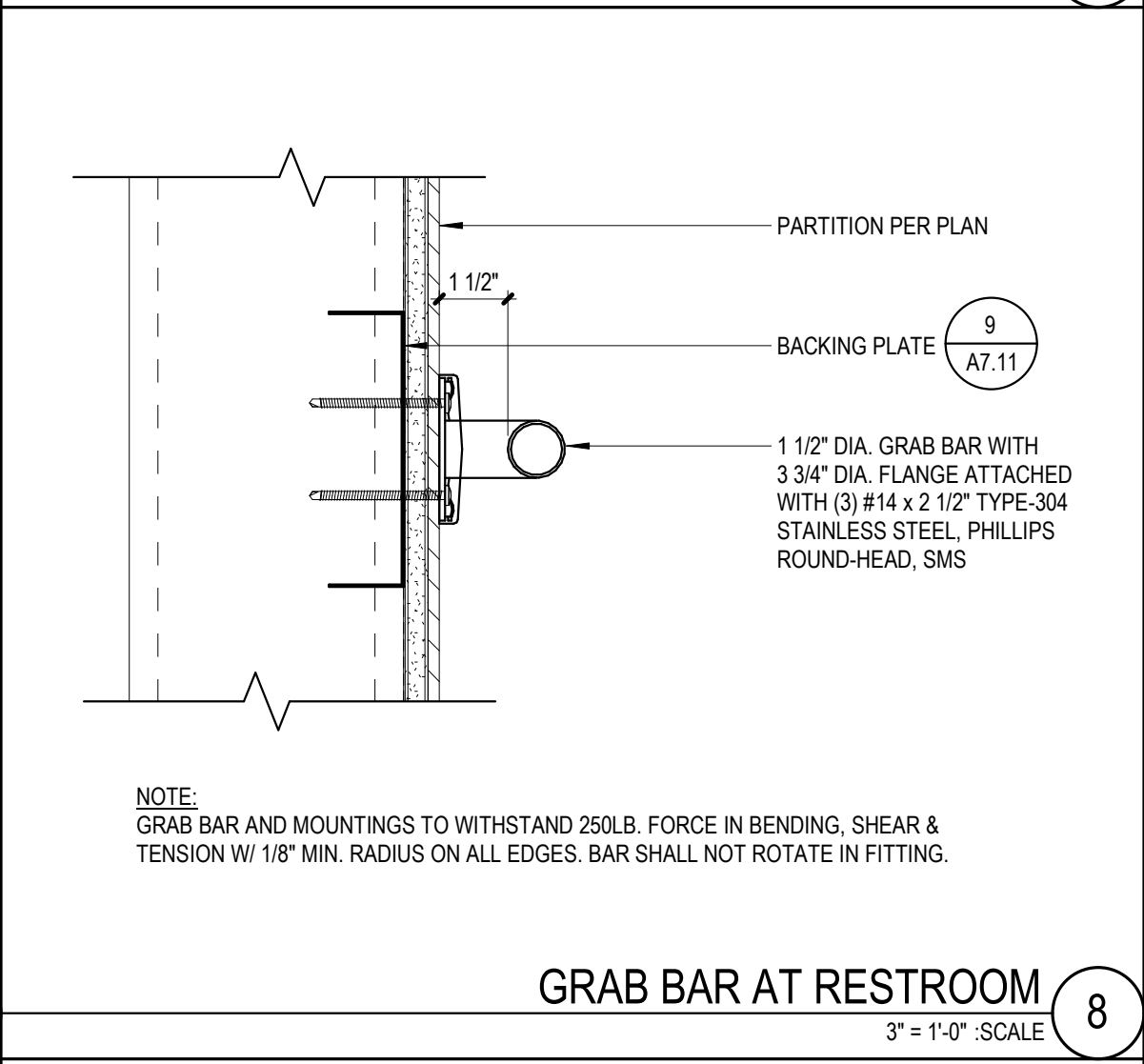
SOAP DISPENSER  
1 1/2" = 1'-0" SCALE 14



MIRROR  
1 1/2" = 1'-0" SCALE 10

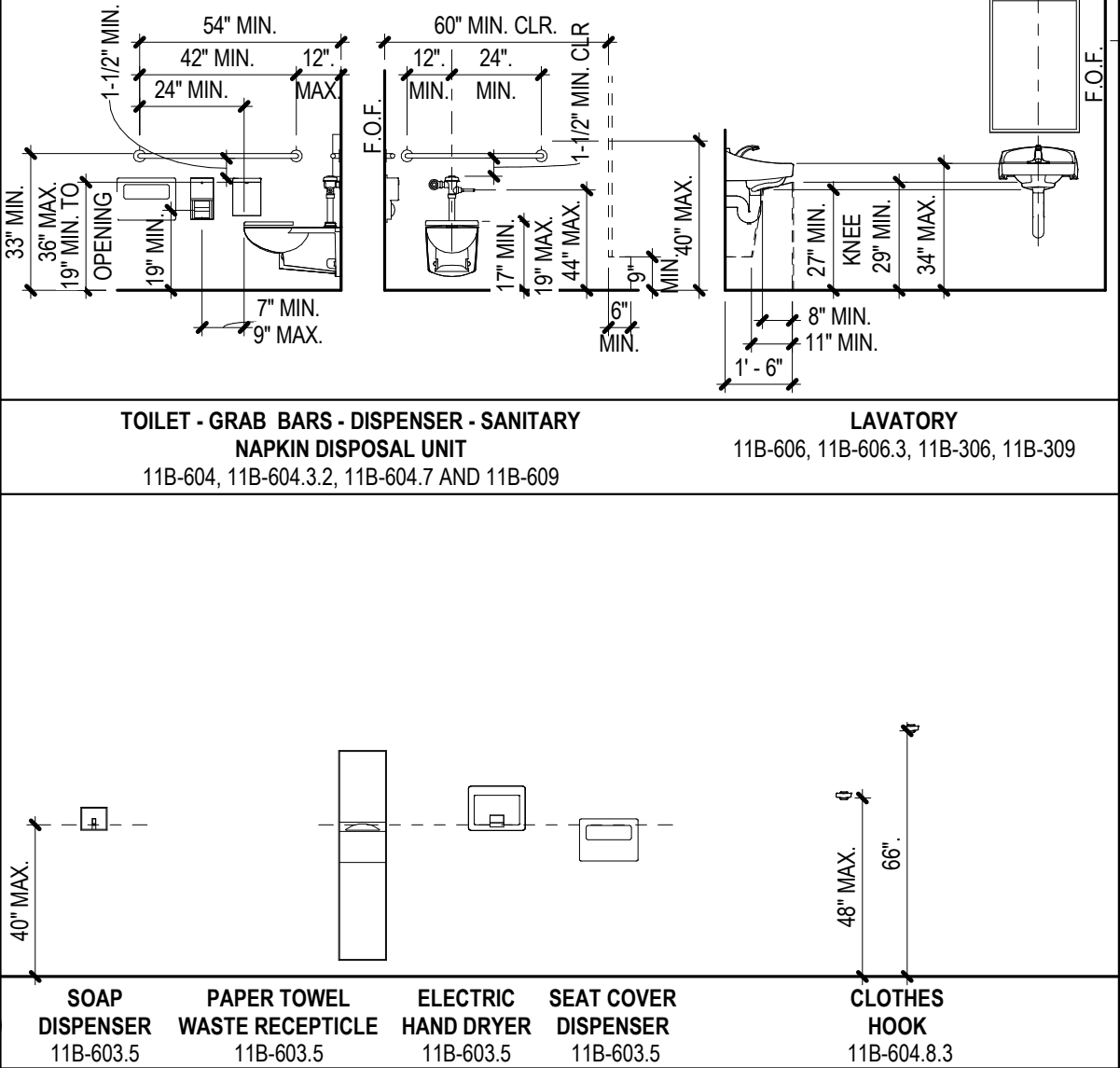
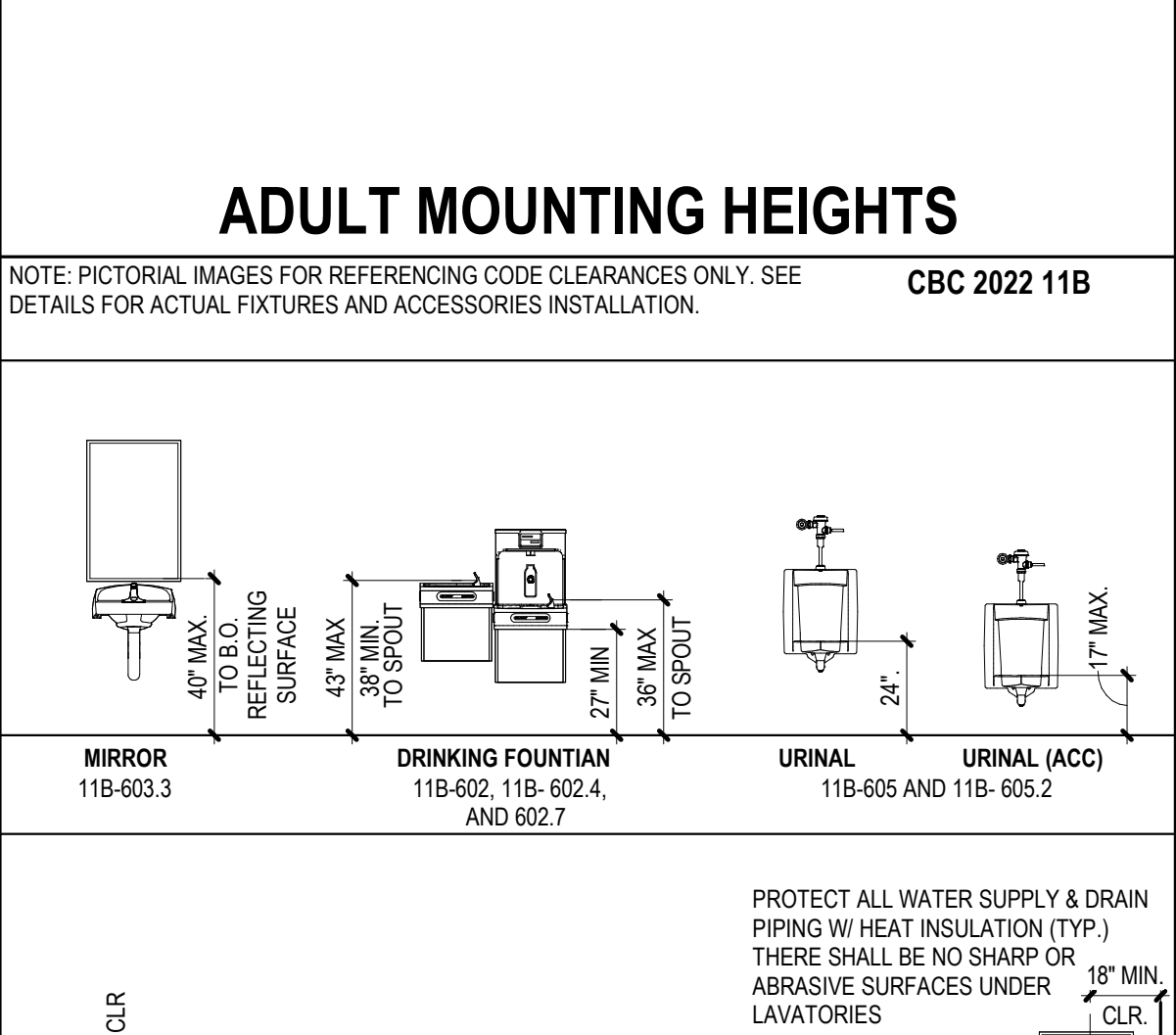
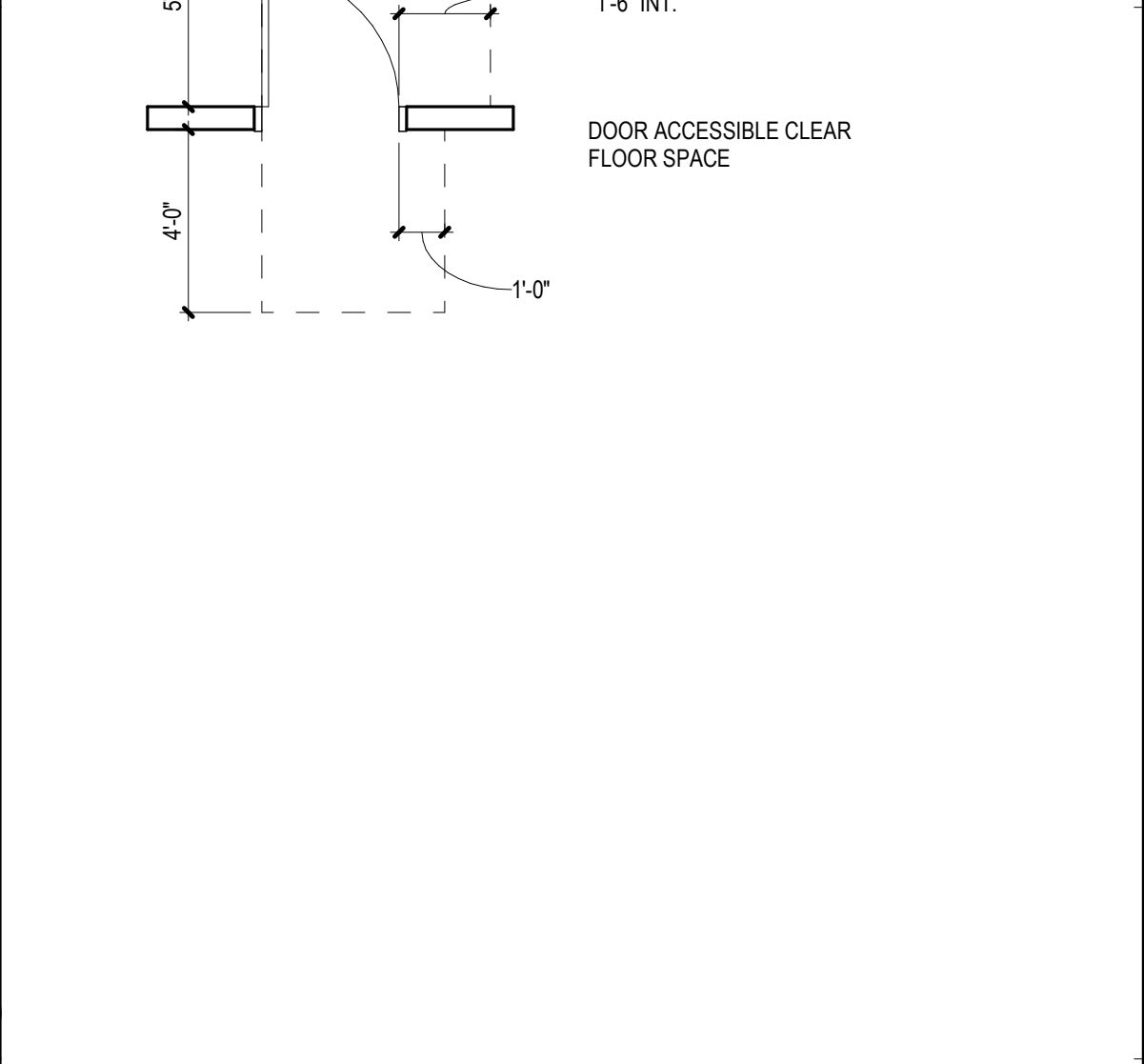
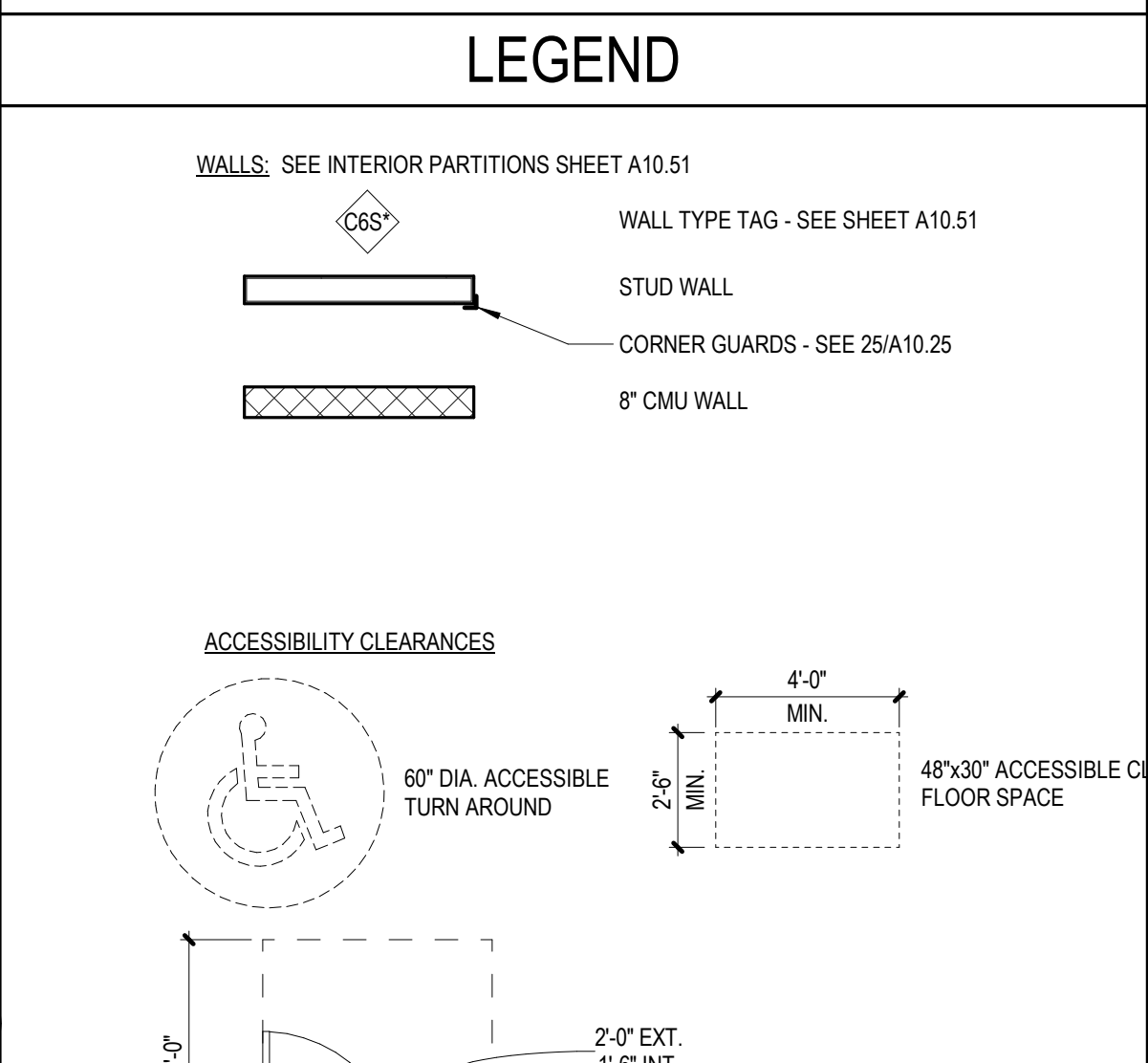


BACKING PLATE DETAIL  
3/4" = 1'-0" SCALE 9



GRAB BAR AT RESTROOM  
3" = 1'-0" SCALE 8

KEYNOTES	
DESCRIPTION	
08.002	DOOR AND DOOR FRAME - SEE DOOR SCHEDULE
09.001	FIBER-REINFORCED PLASTIC
09.006	FIBER-REINFORCED PLASTIC SEAM
10.001	TOILET ACCESSORIES - GRAB BAR
10.002	TOILET ACCESSORIES - SURFACE MOUNTED TOILET SEAT COVER DISPENSER
10.003	TOILET ACCESSORIES - SURFACE MOUNTED NAPKIN DISPOSAL
10.004	TOILET ACCESSORIES - SURFACE MOUNTED TOILET TISSUE DISPENSER
10.005	TOILET ACCESSORIES - RECESSED ACCESSIBLE PAPER TOWEL DISPENSER AND TRASH DISPOSAL
10.006	TOILET ACCESSORIES - WALL MOUNTED SOAP DISPENSER
10.007	TOILET ACCESSORIES - FRAMED GLASS MIRROR
22.001	PLUMBING FIXTURE - LAVATORY - SEE PLUMBING
22.002	PLUMBING FIXTURE - WATER CLOSET - SEE PLUMBING



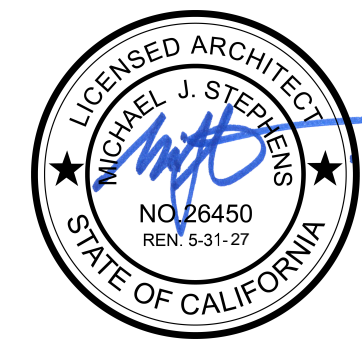
CONSULTANT:

ENLARGED PLAN & INTERIOR ELEVATIONS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:



PROJECT NUMBER: 23-46102-00

PROJECT STATUS: 08/29/2025

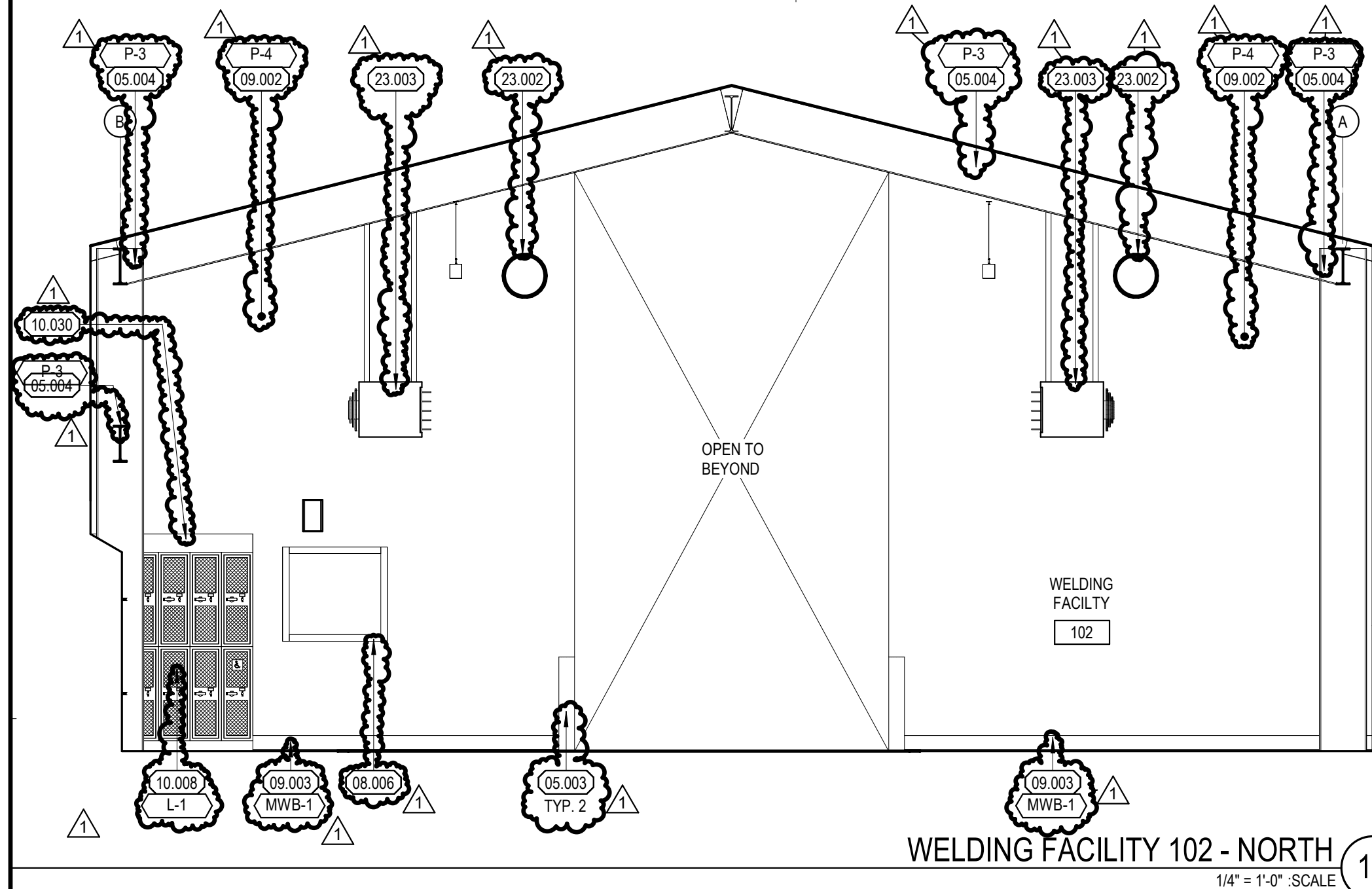
SHEET ISSUED: 08/29/2025

DELTA DATE: 11/22/2025

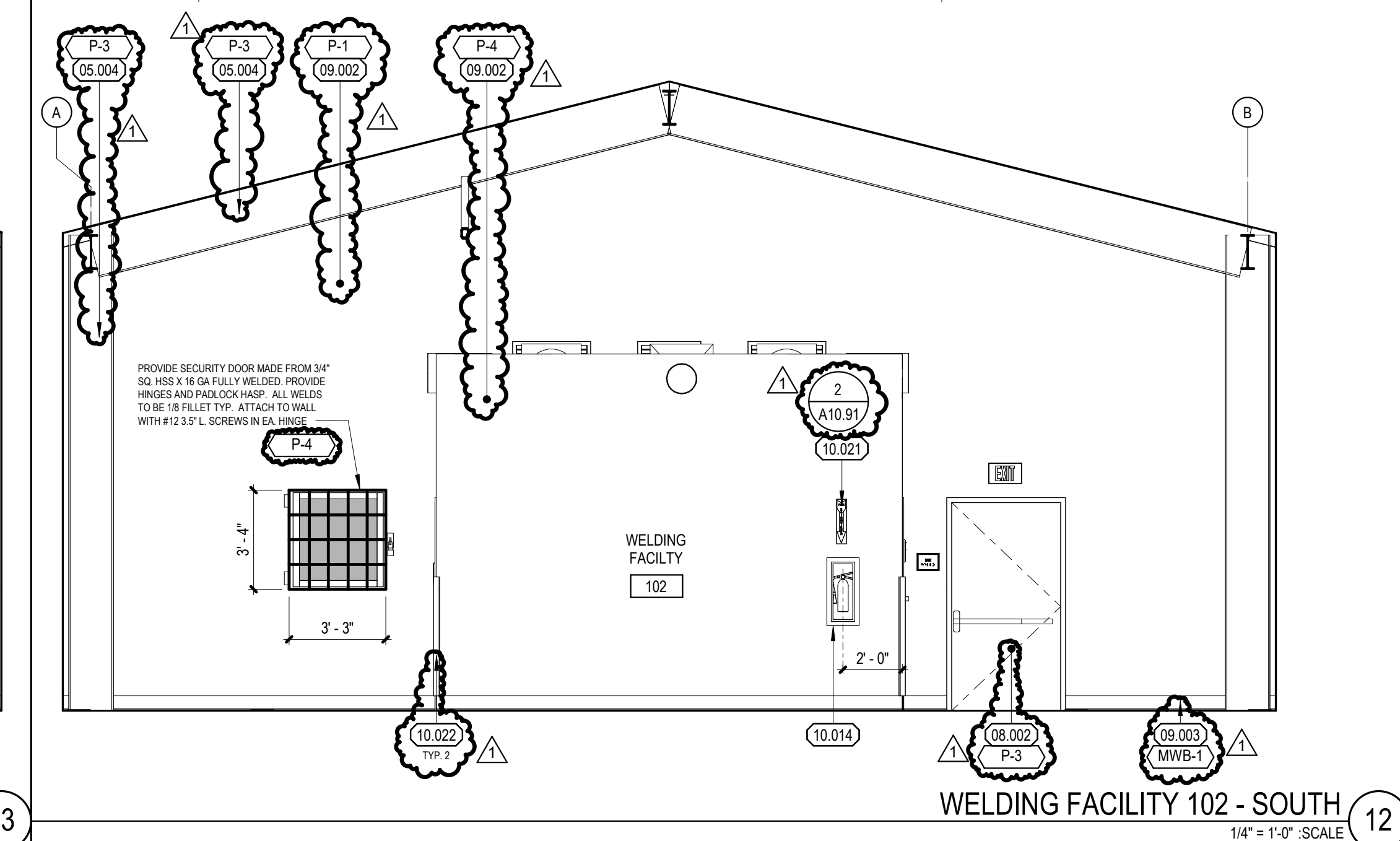
ADDITIONAL 1

A7.11

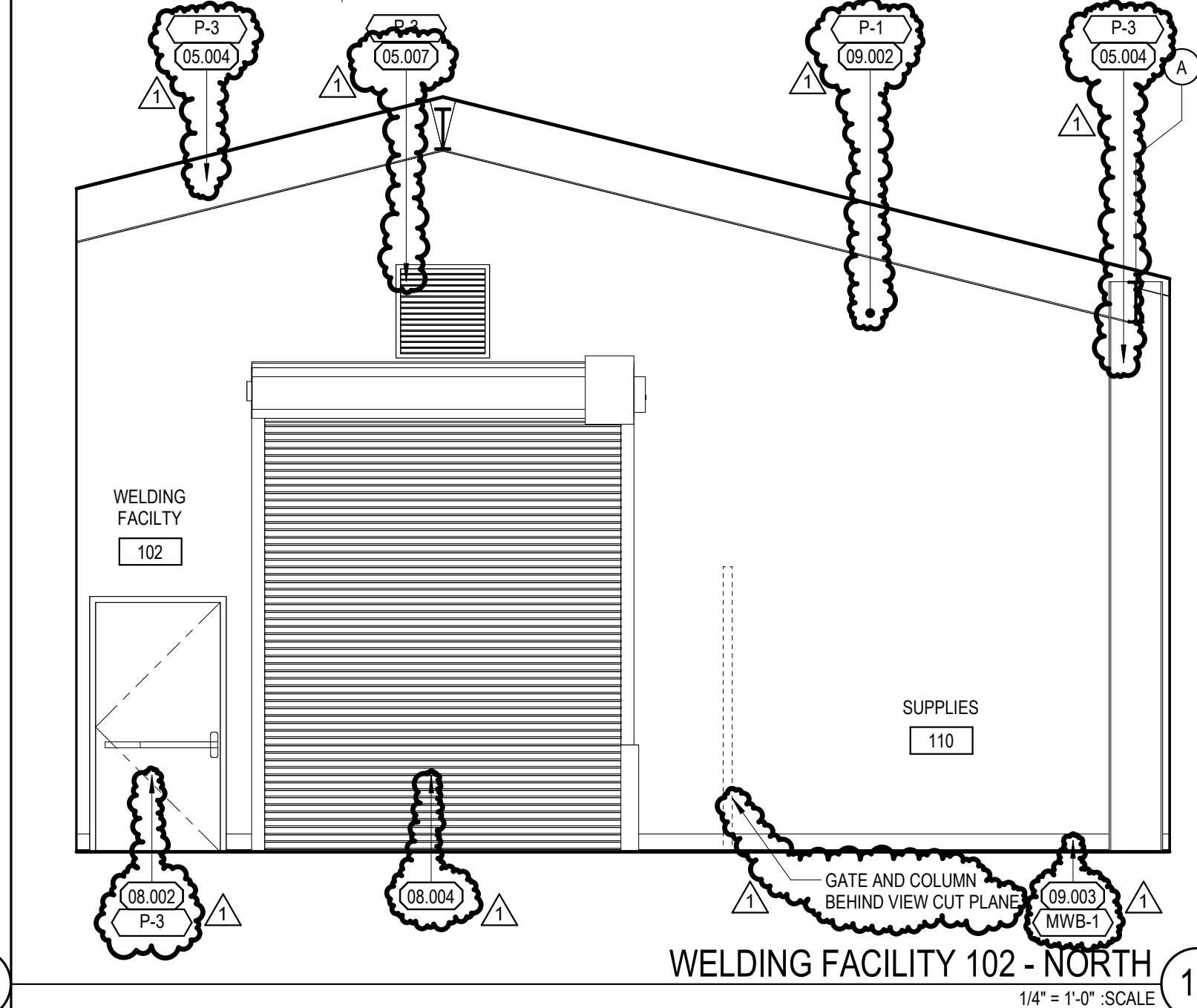




WELDING FACILITY 102 - NORTH  
1/4" = 1'-0" SCALE

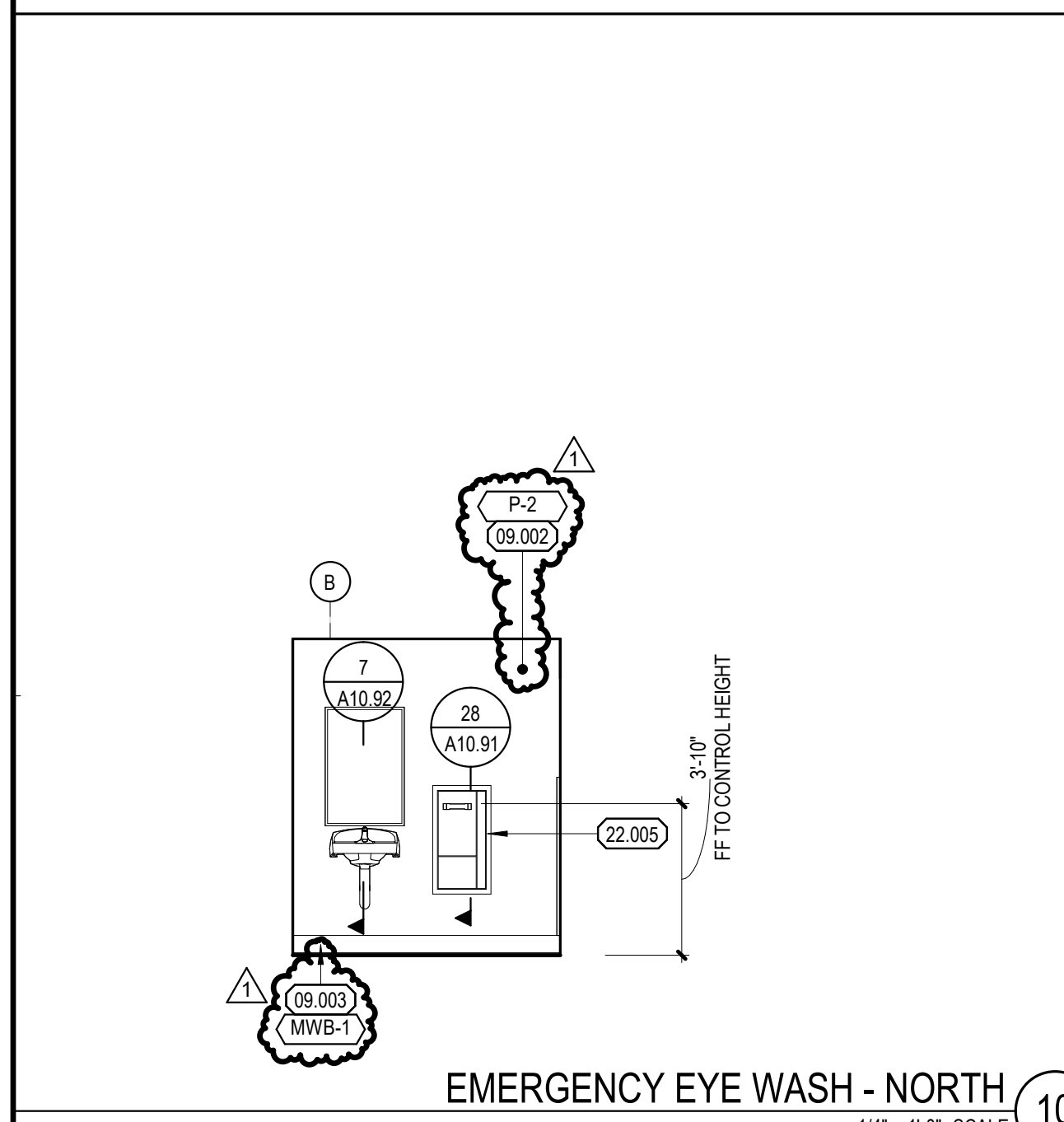


WELDING FACILITY 102 - SOUTH  
1/4" = 1'-0" SCALE

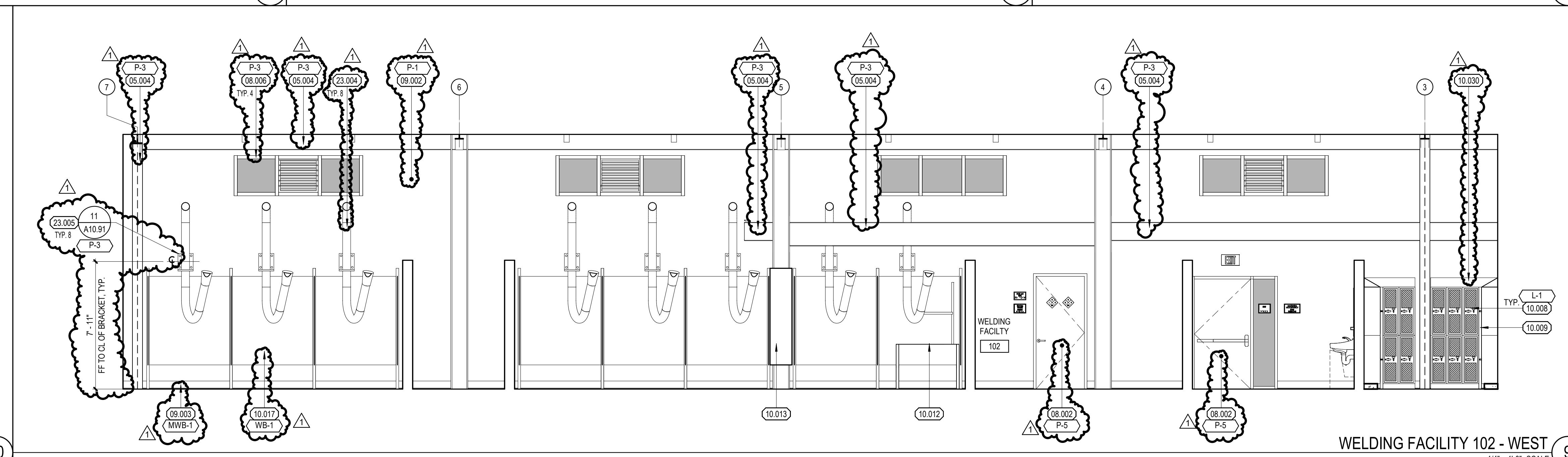


WELDING FACILITY 102 - NORTH  
1/4" = 1'-0" SCALE

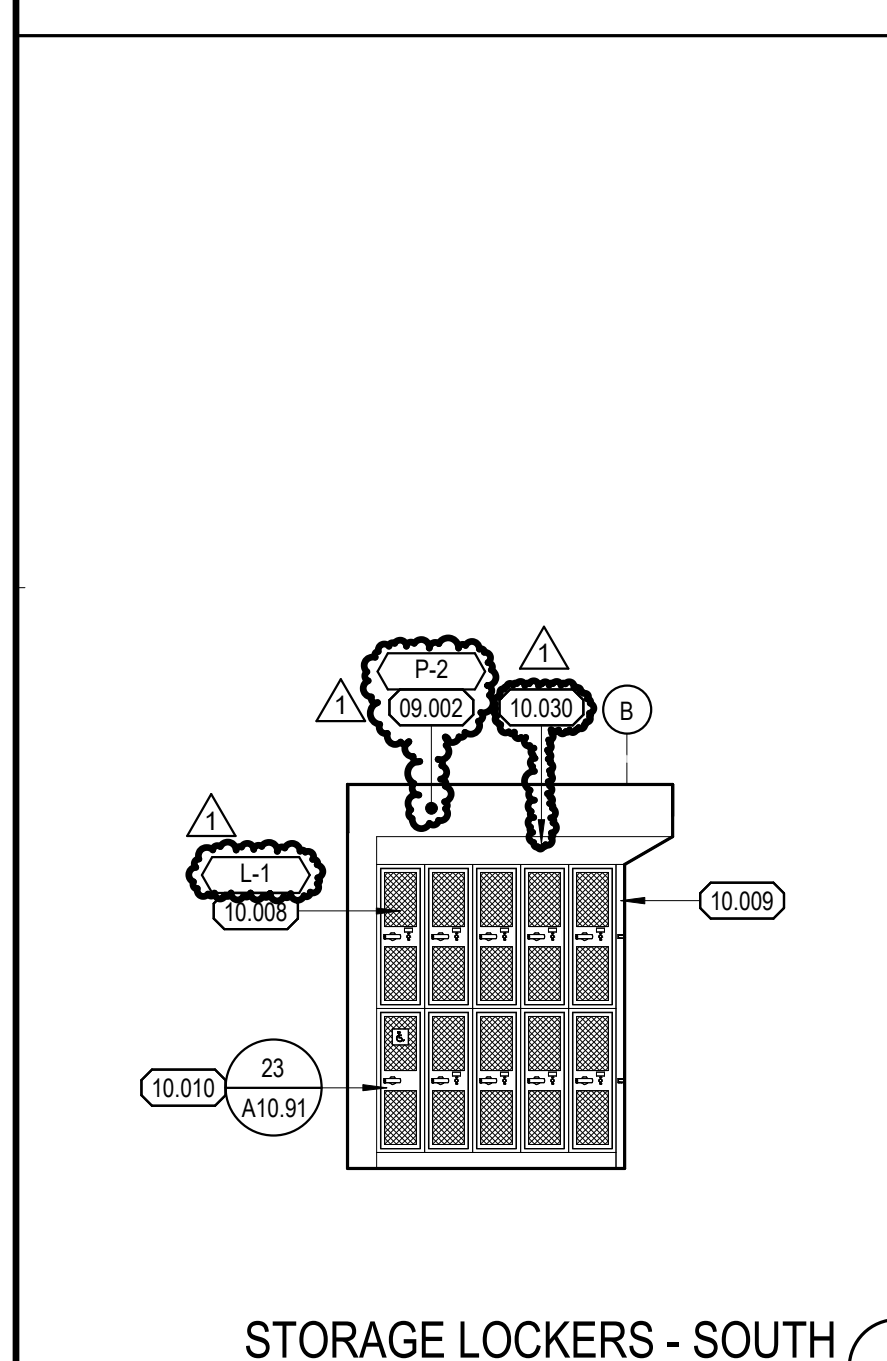
KEYNOTES	
	DESCRIPTION
05.003	STEEL BOLLARD PER 16A10.11
05.004	STRUCTURAL STEEL MEMBER PER STURCT. DWG.
05.007	METAL LOUVERS
08.002	DOOR AND DOOR FRAME - SEE DOOR SCHEDULE
08.004	STEEL COLLING DOOR
08.006	HOLLOW METAL FRAME WINDOW SYSTEM
09.002	GYPSUM BOARD
09.003	RESILIENT BASE
10.008	METAL LOCKERS
10.009	MANUFACTURER PROVIDED FILLER PANELS AT CORNERS
10.010	ACCESSIBLE METAL LOCKER
10.012	STEEL WELDING TABLE
10.013	STEEL WELDING BOOTH - FILLER PANEL
10.014	FIRE PROTECTION CABINET
10.017	WELDING BOOTH
10.021	FIRE EXTINGUISHER SIGN
10.022	CORNER GUARDS - SEE 25A10.25
10.030	MANUFACTURER PROVIDED METAL SLOPED TOP
22.005	EMERGENCY EYE WASH STATION
23.002	EXPOSED MECHANICAL DUCTWORK, FACTORY FINISH - SEE MECHANICAL
23.003	RADIANT HEATER - SEE MECHANICAL
23.004	FUME EXTRACTION ARM - SEE MECHANICAL
23.005	DUCT BRACKET
28.001	CLOSED CIRCUIT TELEVISION



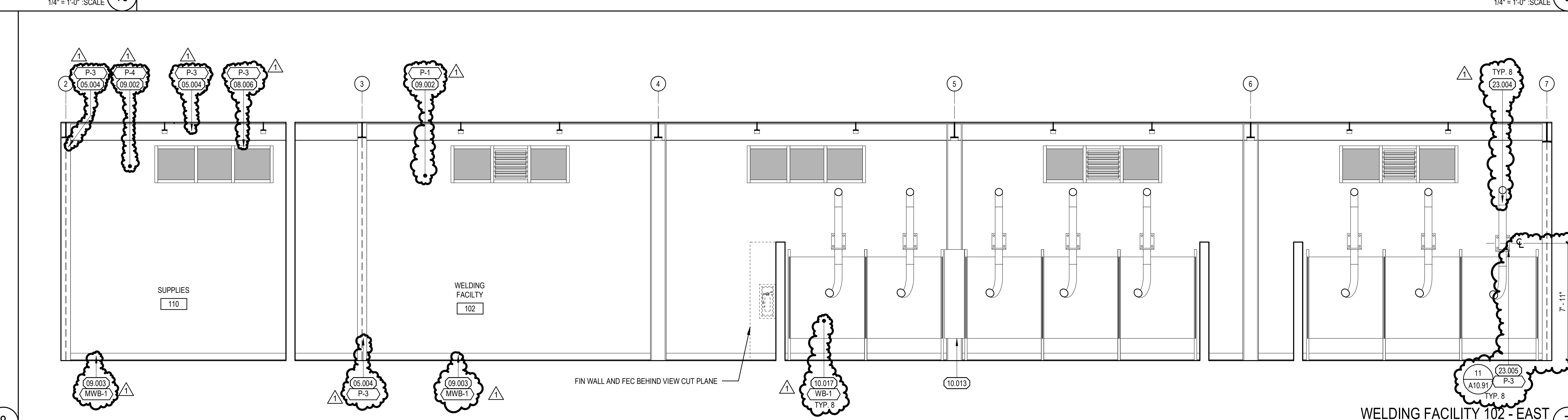
EMERGENCY EYE WASH - NORTH  
1/4" = 1'-0" SCALE



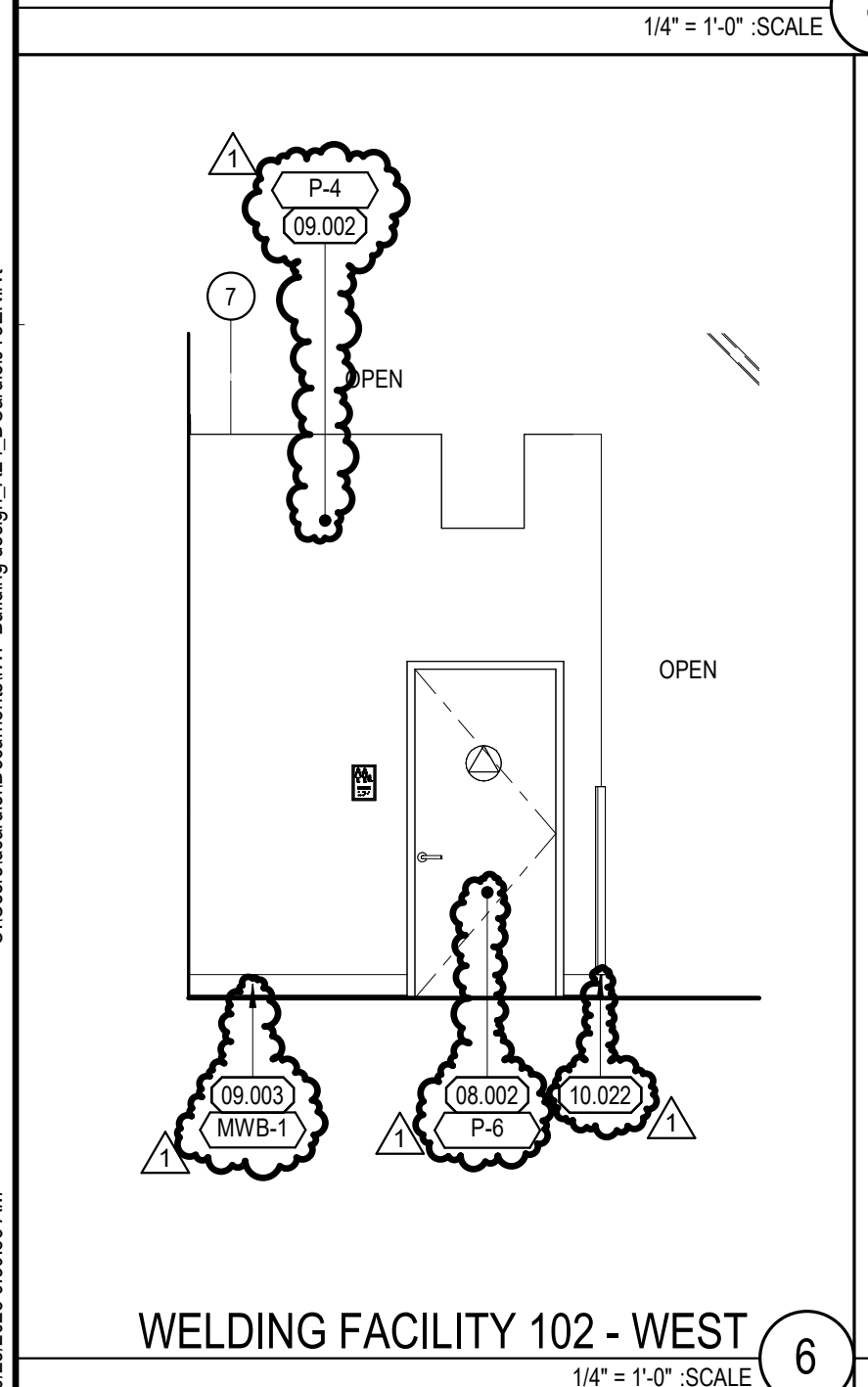
WELDING FACILITY 102 - WEST  
1/4" = 1'-0" SCALE



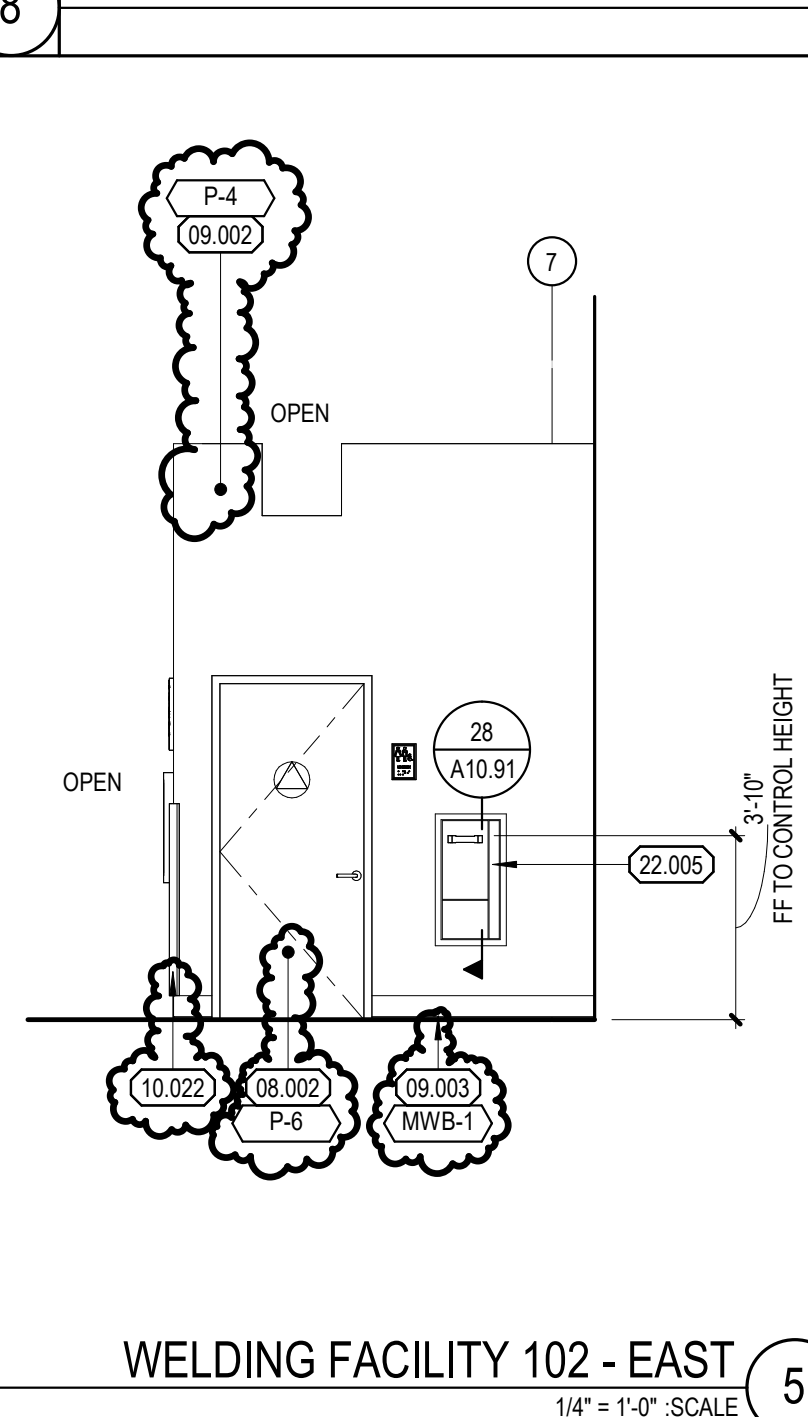
STORAGE LOCKERS - SOUTH  
1/4" = 1'-0" SCALE



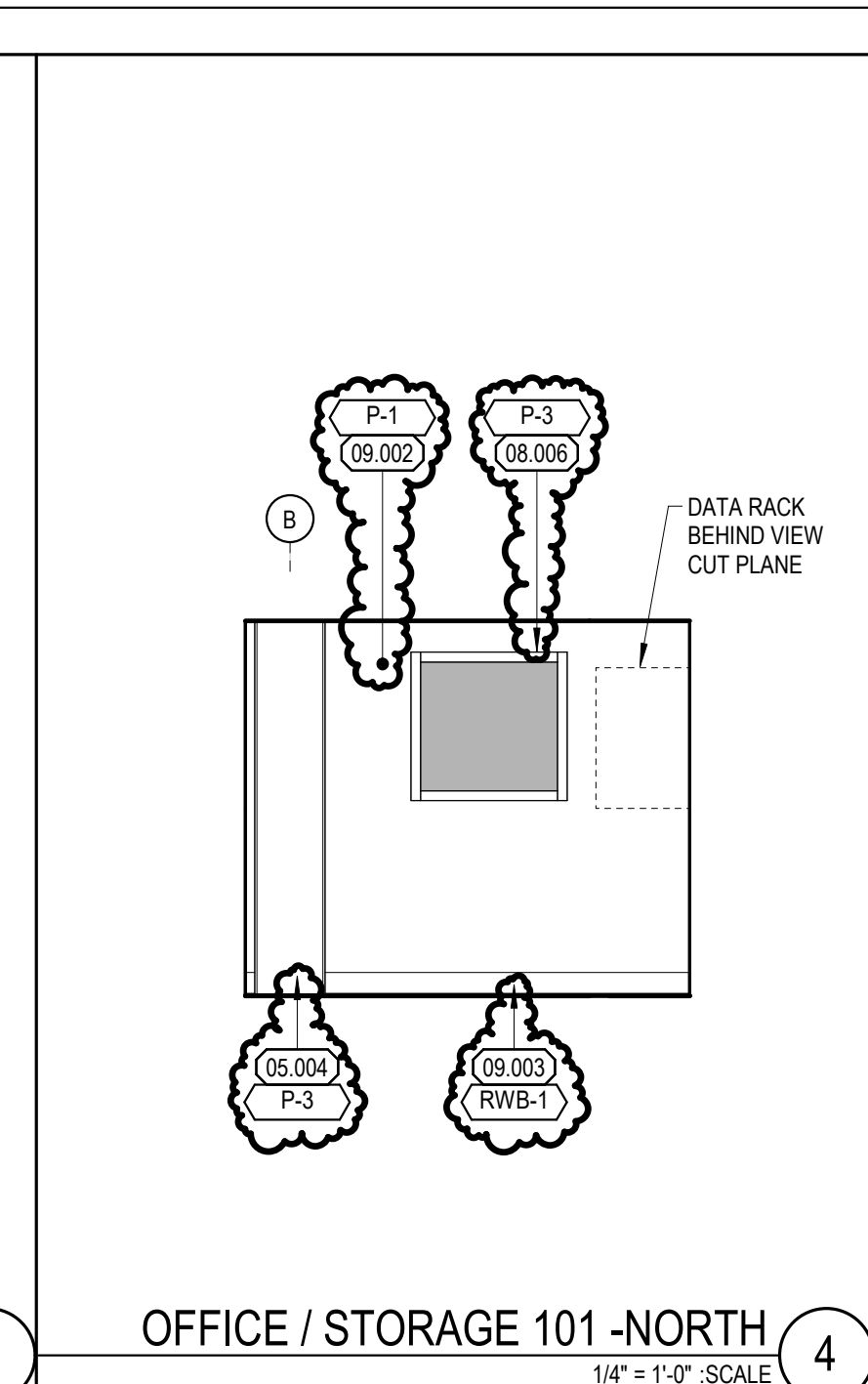
WELDING FACILITY 102 - EAST  
1/4" = 1'-0" SCALE



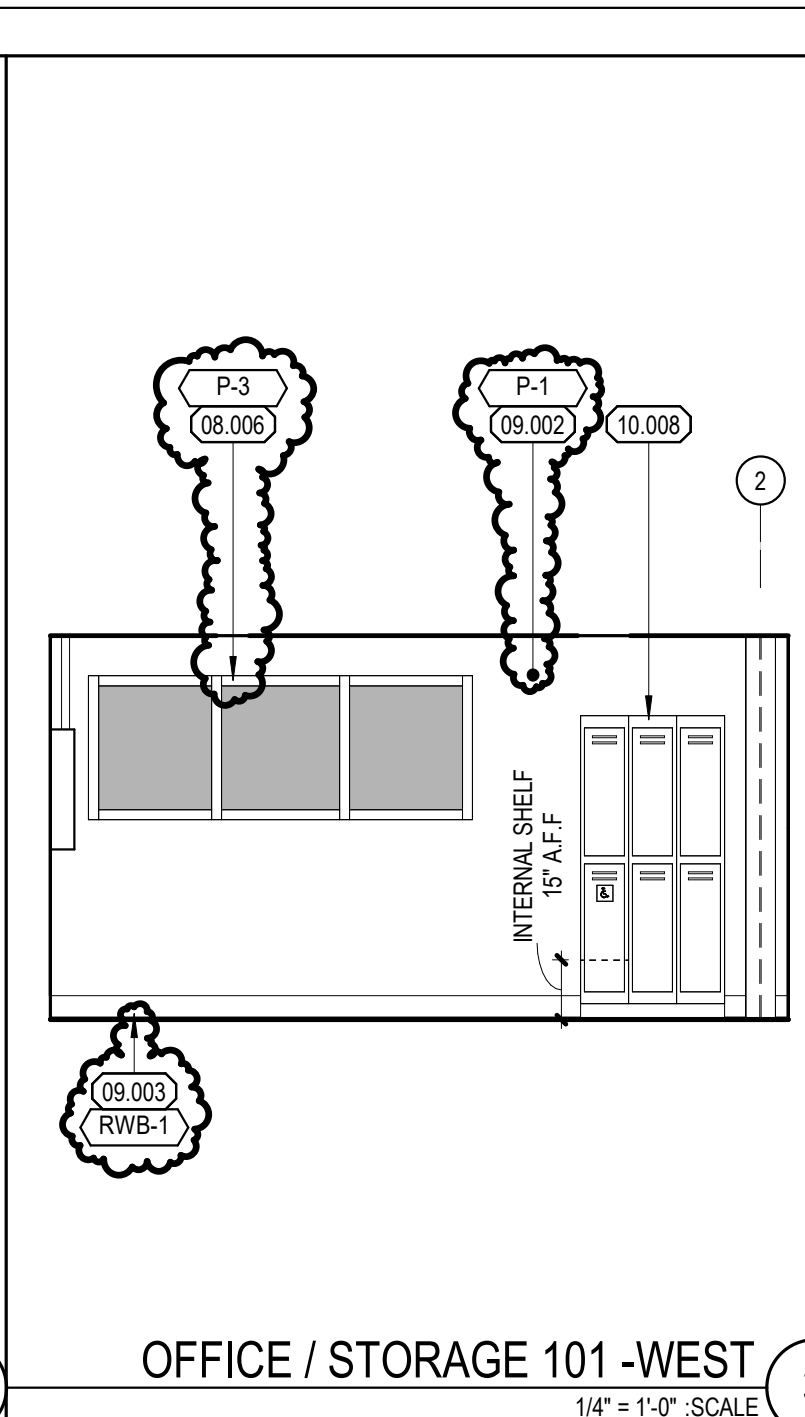
WELDING FACILITY 102 - WEST  
1/4" = 1'-0" SCALE



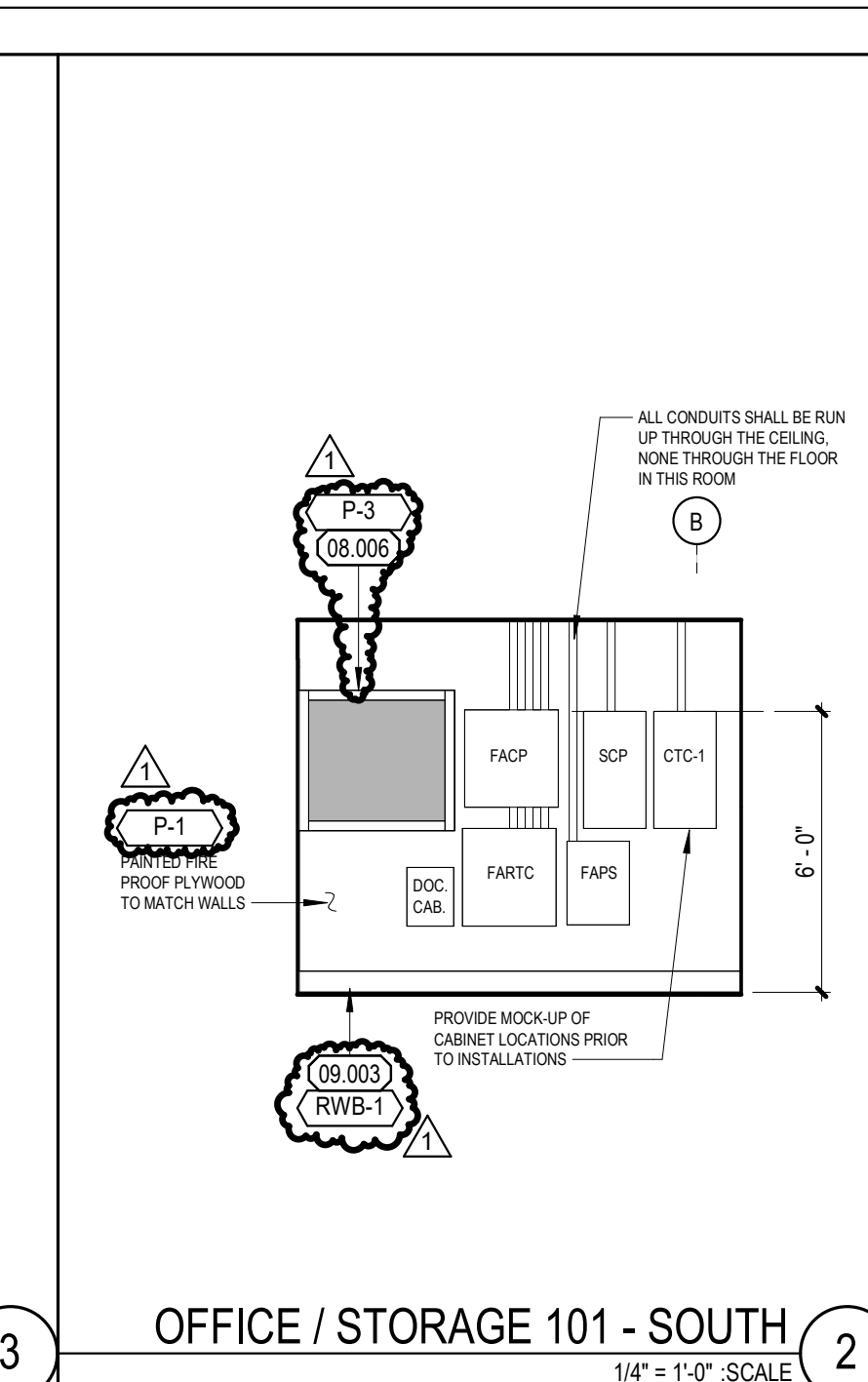
WELDING FACILITY 102 - EAST  
1/4" = 1'-0" SCALE



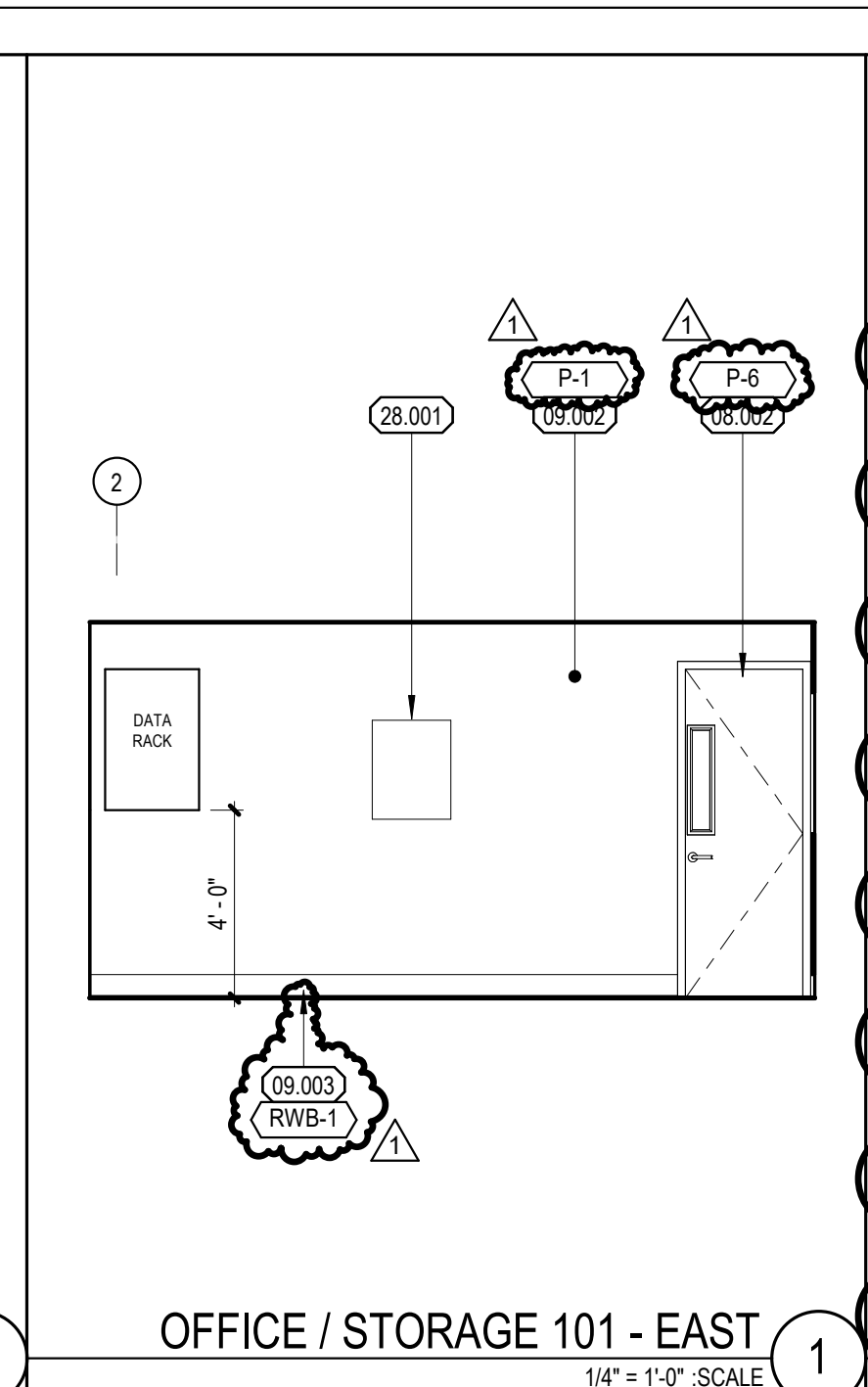
OFFICE / STORAGE 101 - NORTH  
1/4" = 1'-0" SCALE



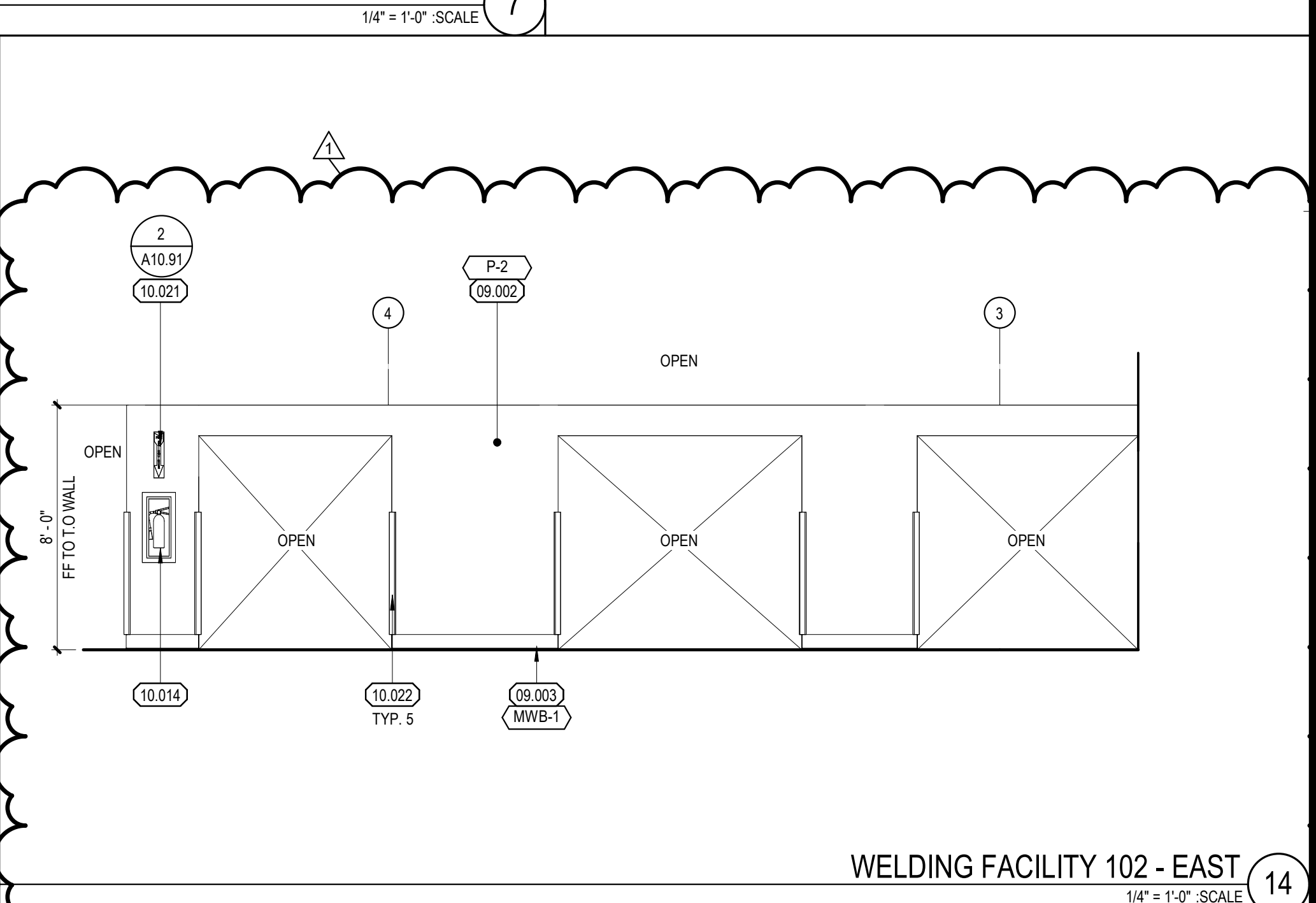
OFFICE / STORAGE 101 - WEST  
1/4" = 1'-0" SCALE



OFFICE / STORAGE 101 - SOUTH  
1/4" = 1'-0" SCALE



OFFICE / STORAGE 101 - EAST  
1/4" = 1'-0" SCALE



WELDING FACILITY 102 - EAST  
1/4" = 1'-0" SCALE

INTERIOR ELEVATIONS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

SEALS:

PROJECT NUMBER: 2006000000

PROJECT STATUS: 08/29/2025

SHEET ISSUED: 08/29/2025

DATE: 11/2/2025

DESCRIPTION: ADDENDUM 1

sgn ARCHITECTS

A8.11



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1/23/2025 1:58:14 PM

CONSULTANT:

SCHEDULE - FINISHES

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:



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PROJECT NUMBER: 23-46102-00

PROJECT STATUS:

SHEET ISSUED: 08/28/2025

DELTA: DATE DESCRIPTION:

ADDITIONUM 1



A9.31

## ROOM FINISH LEGEND

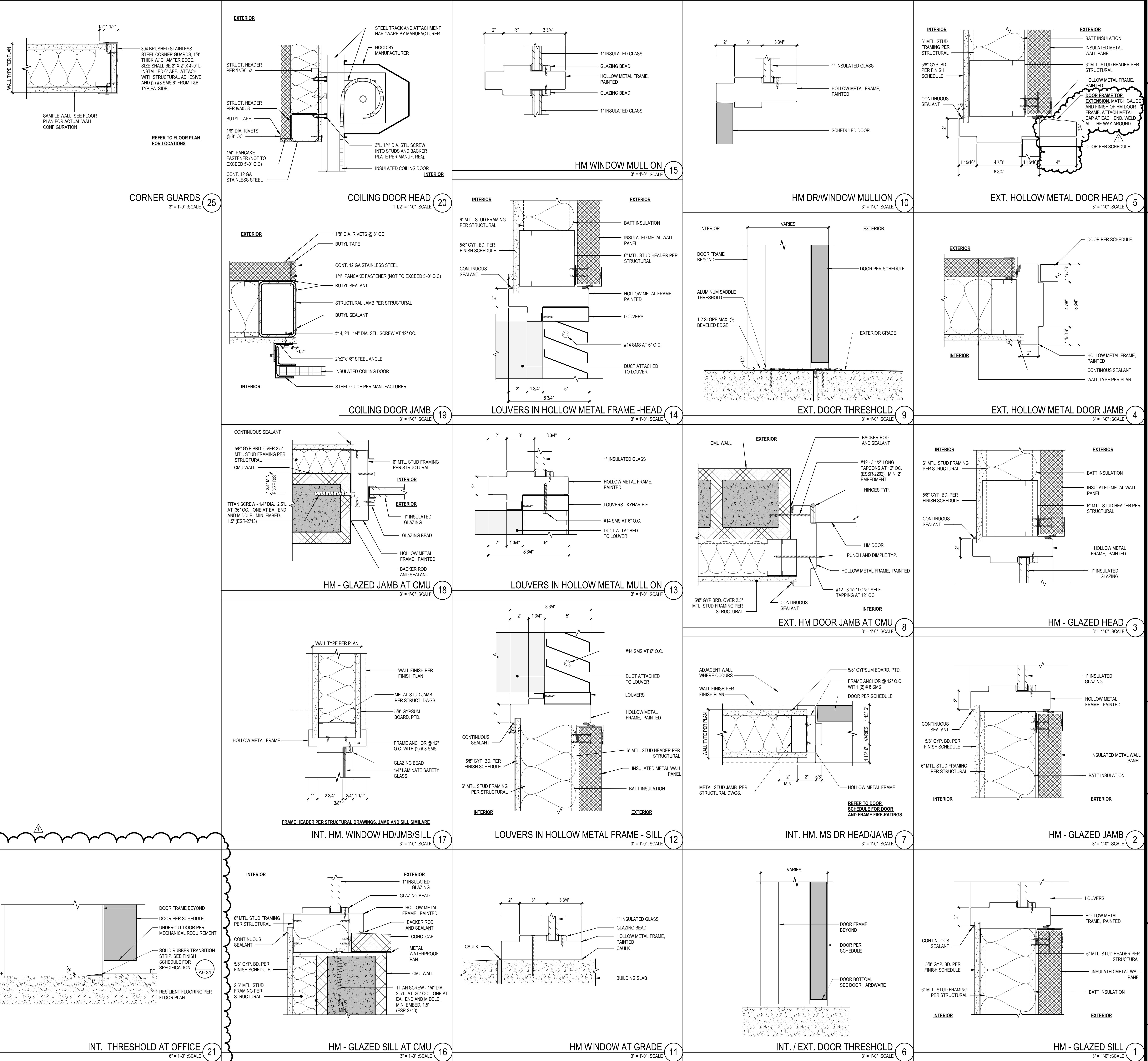
ROOM FINISH SCHEDULE											
ROOM NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALLS				CEILING MATERIAL	CEILING FINISH	ROOM CEILING HEIGHT	COMMENTS
				NORTH	EAST	SOUTH	WEST				
101	OFFICE / STORAGE	VC1-1	RWB-1	P-1	P-1	P-1	P-1	GWB-2	P-1	8'-0"	
102	WELDING FACILITY	CF-3	MWB-1	*	*	*	*	N/A	N/A	N/A	
103	RESTROOM	CF-3	N/A	P-1	P-1	P-1	P-1	GWB-1	P-1	8'-0"	
104	RESTROOM	CF-3	N/A	P-1	P-1	P-1	P-1	GWB-1	P-1	8'-0"	
106	EXTERIOR TANK STORAGE	CF-2	N/A	CMU-2	CMU-1	CMU-2	CMU-2	N/A	N/A	N/A	
107	EXTERIOR SERVICE YARD	CF-2	N/A	CMU-2	CMU-2	CMU-1	CMU-2	N/A	N/A	N/A	
108	STORAGE	CF-2	N/A	CMU-2	CMU-2	CMU-2	CMU-2	N/A	N/A	N/A	
109	STORAGE	CF-2	N/A	CMU-2	CMU-2	CMU-2	CMU-2	N/A	N/A	N/A	
110	SUPPLIES	CF-3	MWB-1	*	*	*	*	N/A	N/A	N/A	
111	STORAGE	CF-2	N/A	CMU-2	CMU-2	CMU-2	CMU-2	N/A	N/A	N/A	

NOTE:  
SEE PLANS AND ELEVATIONS FOR MATERIAL FINISHES

## FINISH SPECIFICATION LEGEND

CSI SPEC DIVISION	FINISH TAG	PRODUCT TYPE	TYPICAL USE / LOCATION	MANUFACTURER	PRODUCT / STYLE NUMBER	COLOR / FINISH	SIZE / PATTERN	NOTES
DIVISION 03 - CONCRETE FINISHING								
DIVISION 03 - CONCRETE FINISHING	CF-1	EXTERIOR CONCRETE FLOOR	EXTERIOR CONCRETE FLOORING	ANGELUS	SPEC MIX PREBLENDED COLORS	NATURAL GRAY		FIELD CONCRETE
DIVISION 03 - CONCRETE FINISHING	CF-2	EXTERIOR CONCRETE FLOOR	EXTERIOR CONCRETE FLOORING	ANGELUS	SPEC MIX PREBLENDED COLORS	NATURAL GRAY		ADJACENT CONCRETE
DIVISION 03 - CONCRETE FINISHING	CF-3	INTERIOR CONCRETE FLOOR	INTERIOR FLOORING	SEE SPEC	SPEC MIX PREBLENDED COLORS	MATTE		INTERIOR SLAB
DIVISION 04 - CONCRETE MASONRY UNIT								
DIVISION 04 - CONCRETE MASONRY UNIT	CMU-1	CONCRETE MASONRY UNITS	BUILDING EXTERIOR WALLS	ANGELUS BLOCKING CO. INC.	1 SCORE PRECISION	SILVERSHOTBLAST	10X 8X16	
DIVISION 04 - CONCRETE MASONRY UNIT	CMU-2	CONCRETE MASONRY UNITS	EXTERIOR SITE WALLS	ANGELUS BLOCKING CO. INC.	2 SCORE PRECISION	SILVERSHOTBLAST	10X 8X16	
DIVISION 06 - CASEWORK								
DIVISION 06 - CASEWORK	PL-1	PLASTIC LAMINATE	STORAGE ROOM, CASEWORK	WILSONART	0315-60	PLATINUM MATTE FINISH		
DIVISION 06 - CASEWORK	PL-2	PLASTIC LAMINATE	FACULTY SPACE AND STORAGE ROOM, COUNTERTOPS	WILSONART	TRACELESS, TYPE 138	CHARCOAL VELVET 15504 / ULTRA MATTE FINISH	4'X10'	
DIVISION 06 - FIBERGLASS REINFORCED PANELING								
DIVISION 06 - FIBERGLASS REINFORCED PANELING	FRP-1	FIBERGLASS REINFORCED PANELING	RESTROOM WALLS	MARLITE	STANDARD FRP	STANDARD FRP, WHITE	4'X8'	
DIVISION 07 - THERMAL & MOISTURE PROECTION								
DIVISION 07 - THERMAL & MOISTURE PROECTION	CFR-1	CFR STANDING SEAM ROOF SYSTEM	ROOF	METAL SALES	MAGNA-LOC 180	OLD ZINC GREY		
DIVISION 07 - THERMAL & MOISTURE PROECTION	MTL-1	INSULATED METAL WALL PANELS	FIELD INSULATED METAL PANELS	METL SPAN	CF MESA	SMOKE GRAY		
DIVISION 07 - THERMAL & MOISTURE PROECTION	MTL-2	INSULATED METAL WALL PANELS	ACCENT INSULATED METAL PANELS	METL SPAN	CF MESA	RUSTIC RED		
DIVISION 09 - GYPSUM BOARD								
DIVISION 09 - GYPSUM BOARD	GWB-1	GYPSUM WALL BOARD	STANDARD GYPSUM BOARD	PER SPECIFICATION	STANDARD GYPSUM BOARD	LEVEL 05 FINISH FOR PAINTING		
DIVISION 09 - GYPSUM BOARD	GWB-2	GYPSUM WALL BOARD	UTILITY AND GYPSUM BOARD	PER SPECIFICATION	STORAGE ROOM GYPSUM BOARD	LEVEL 04 FINISH		
DIVISION 09 - PAINTING								
DIVISION 09 - PAINTING	P-1	PAINT TO GYB	GENERAL WALL PAINT	DUNN EDWARDS	DEW379	IGLOO	N/A	INTERIOR FIELD PAINT COLOR
DIVISION 09 - PAINTING	P-2	PAINT TO GYB	ACCENT WALL PAINT COLOR	DUNN EDWARDS	DEA149	SPICED BERRY	N/A	INTERIOR ACCENT PAINT COLOR
DIVISION 09 - PAINTING	P-3	PAINT TO METAL	METAL PAINT COLOR	DUNN EDWARDS	DE6378	JET	N/A	STRUCTURAL BEAMS/COLUMNS/DOORFRAMES/WINDOW FRAMES/DOWN SPOUT
DIVISION 09 - PAINTING	P-4	PAINT TO GYB	ACCENT WALL PAINT COLOR	DUNN EDWARDS	DET612	STIEGLITZ SILVER	N/A	INTERIOR ACCENT PAINT COLOR
DIVISION 09 - PAINTING	P-5	PAINT TO METAL	METAL PAINT COLOR	DUNN EDWARDS	DEA149	SPICED BERRY	N/A	CANOPY FASCIA/DECORATIVE METAL/EXTERIOR&INTERIOR METAL DOORS
DIVISION 09 - PAINTING	P-6	PAINT TO METAL	METAL PAINT COLOR	DUNN EDWARDS	DET612	STIEGLITZ SILVER	N/A	EXTERIOR ROOF FASCIA
DIVISION 09 - TILE								
DIVISION 09 - TILE	T-1	WALL TILE	EXTERIOR, WATER FOUNTAIN ACCENT WALL	TILEBAR	PORTRIATE OCEAN BLUE	OCEAN - MATTE PORCELAIN TILE	12" X 24"	
DIVISION 09 - FLOOR, WALL AND TILE TRANSITIONS								
DIVISION 09 - FLOOR, WALL AND TILE TRANSITIONS	TR-1	TRANSITIONS	IVCT TO CONCRETE TRANSITION	ROPPE	#22 REDUCER STRIP 1/8"	123 CHARCOAL	1/8" X 1" X 6'	
DIVISION 09 - RESILIENT FLOORING AND BASE								
DIVISION 09 - RESILIENT FLOORING AND BASE	MWB-1	METAL WALL BASE	WELDING SPACES	INPRO	SS34	INO 4 BRUSHED 18 GA	4" HEIGHT, COVE BASE	
DIVISION 09 - RESILIENT FLOORING AND BASE	RWB-1	RESILIENT WALL BASE	FACULTY OFFICE	ROPPE	ARMSTRONG FLOORING	STANDARD EXCELON	12" X 12"	
DIVISION 09 - RESILIENT FLOORING AND BASE	IVCT-1	VINYL COMPOSITE TILE	FACULTY OFFICE	ARMSTRONG FLOORING	STANDARD EXCELON	51915 CHARCOAL	12" X 12"	
DIVISION 10 - SPECIALTIES								
DIVISION 10 - SPECIALTIES	L-1	LOCKER	LOCKER STORAGE	DE BOURGH	APEX ATHLETIC/SINGLE POINT RECESSED VENTILATION	URBAN DUSK / DOOR-BOND SHEARED MESH/SIDE VENTILATION	12 X 12	DOOR HEIGHTS 36"
DIVISION 10 - SPECIALTIES	WB-1	WELDING BOOTHS	FUME EXTRACTION/CURTAINS/TABLES	LINCOLN ELECTRIC	DUCT-FREE DESIGN	BLACK	5 X 6'	BASES OF DESIGN-STANDARD RED CURTAINS -WELD TABLE W/ADJUSTABLE PLATFORM 47" WIDE





DETAILS - OPENINGS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



**sgn**  
ARCHITECTS

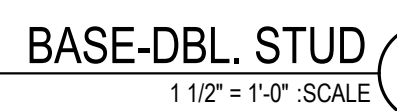
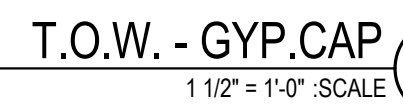
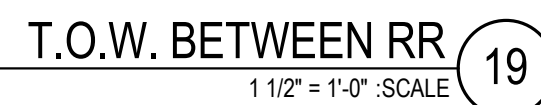
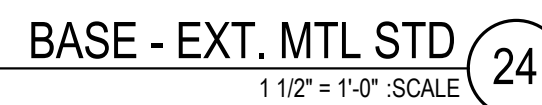
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 08/20/2025  
SHEET ISSUED: 08/20/2025  
DATE: 11/20/2025  
DESCRIPTION: ADDENDUM 1

A10.25





- NOTE: CURB IS NOT REQUIRED AT RESTROOM LOCATIONS. FOLLOW METAL STUD WALL WITH GYP. BRD. AND FRP FROM DETAIL 18- FOR RESTROOM LOCATIONS

WALL TYPE EWALL TYPE DWALL TYPE CWALL TYPE BWALL TYPE A

NOTES:  
THERE ARE NO VARIATIONS TO THIS WALL TYPE.



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PROJECT STATUS: ☐ COMPLETE ☐ IN PROGRESS

SHEET ISSUED: 08/28/2025	DELTA: DATE:	DESCRIPTION:
	11/12/2025	ADDENDUM 1

## A10.51

WALL TYPES 1  
1 1/2" = 1'-0" :SCALE

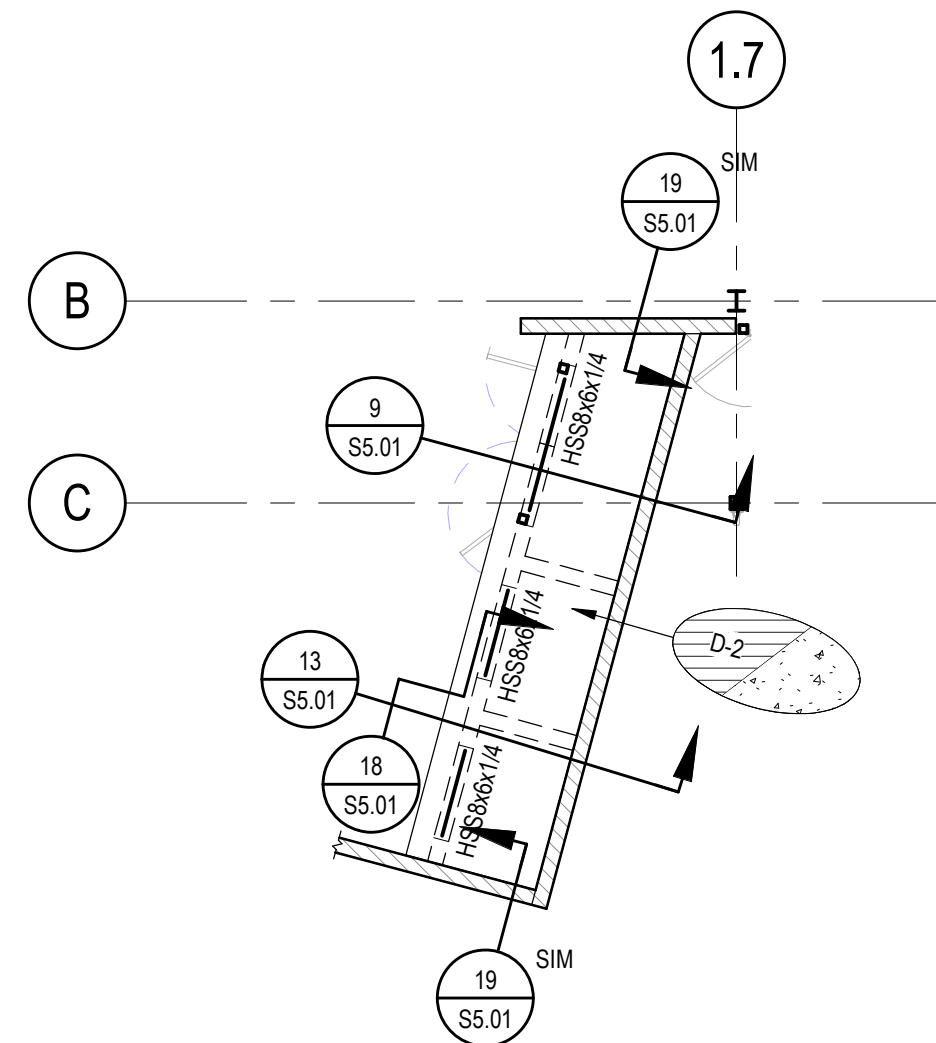






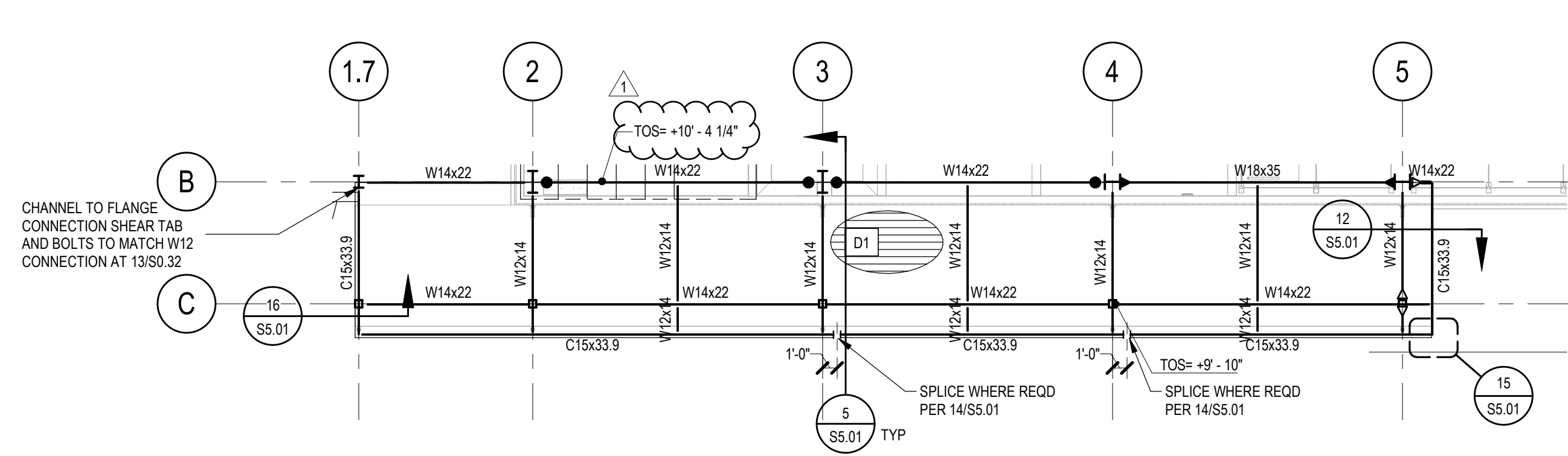
## 1 ROOF - FRAMING PLAN

1/8" = 1'-0"



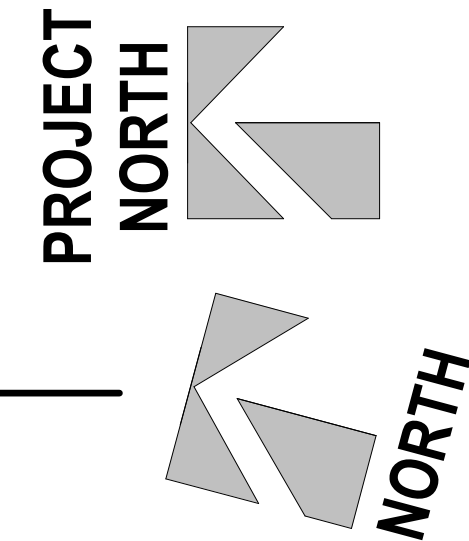
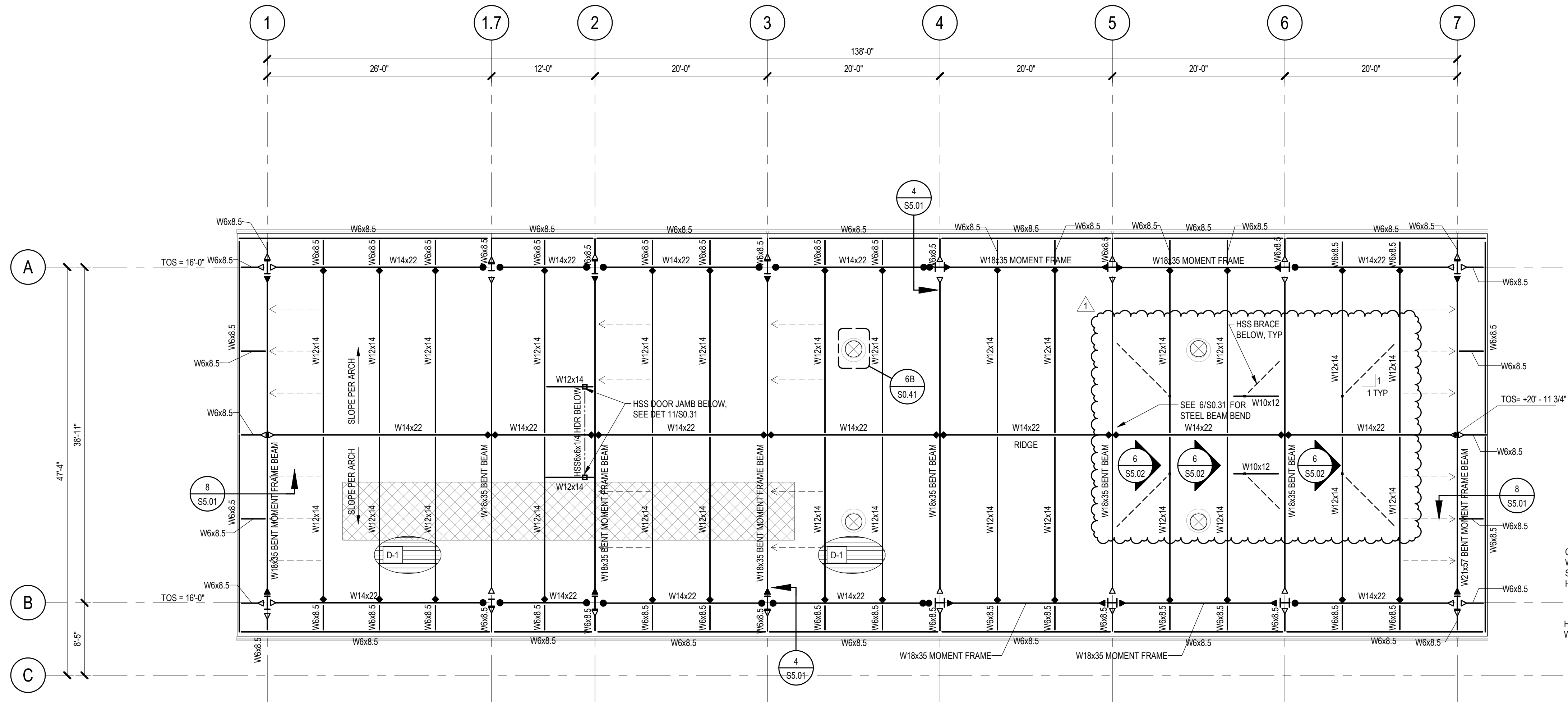
## 2 STORAGE ROOM ROOF PLAN

1/8" = 1'-0"



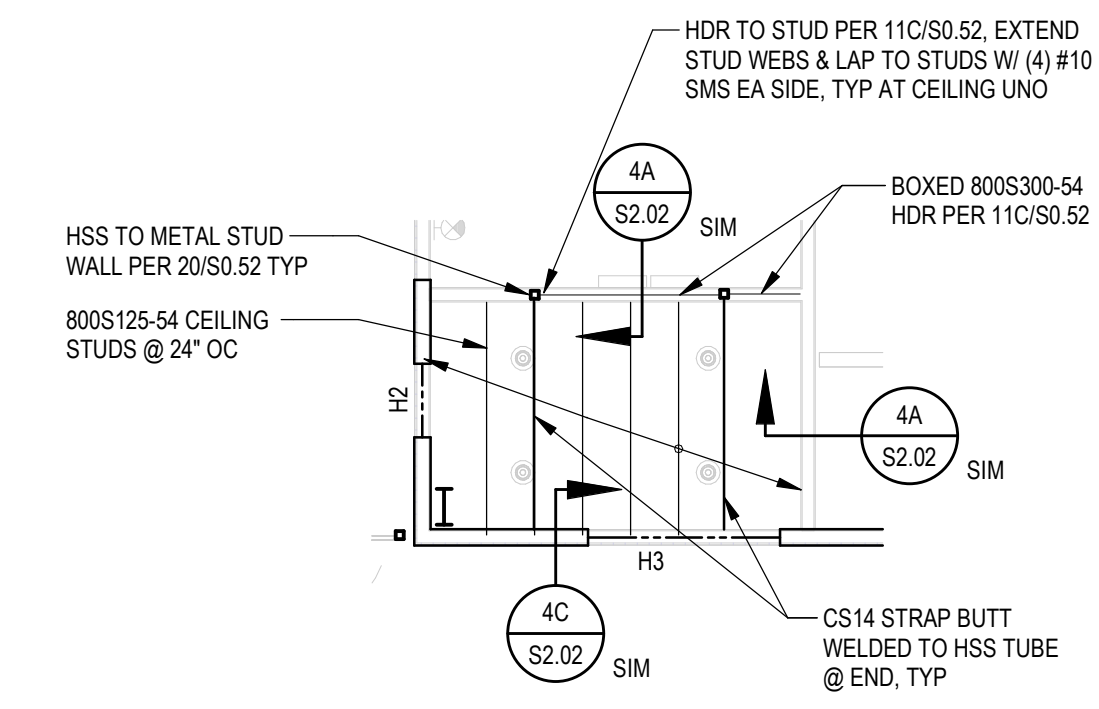
## 3 CANOPY FRAMING PARTIAL PLAN

1/8" = 1'-0"



## 4 RESTROOM CEILING PARTIAL PLAN

1/8" = 1'-0"



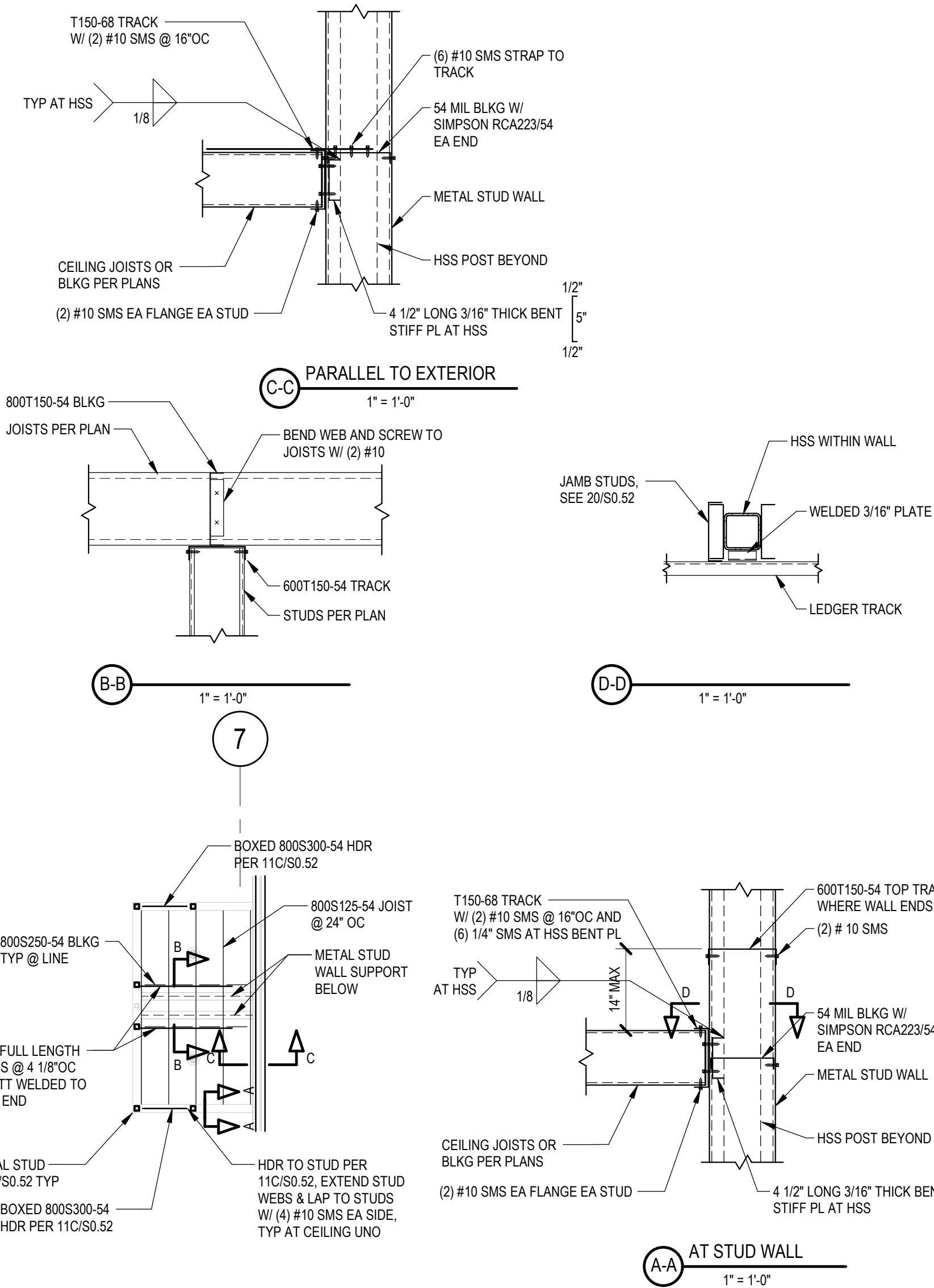
## 5 INTERIOR OFFICE/STORAGE CEILING PARTIAL PLAN

1/8" = 1'-0"

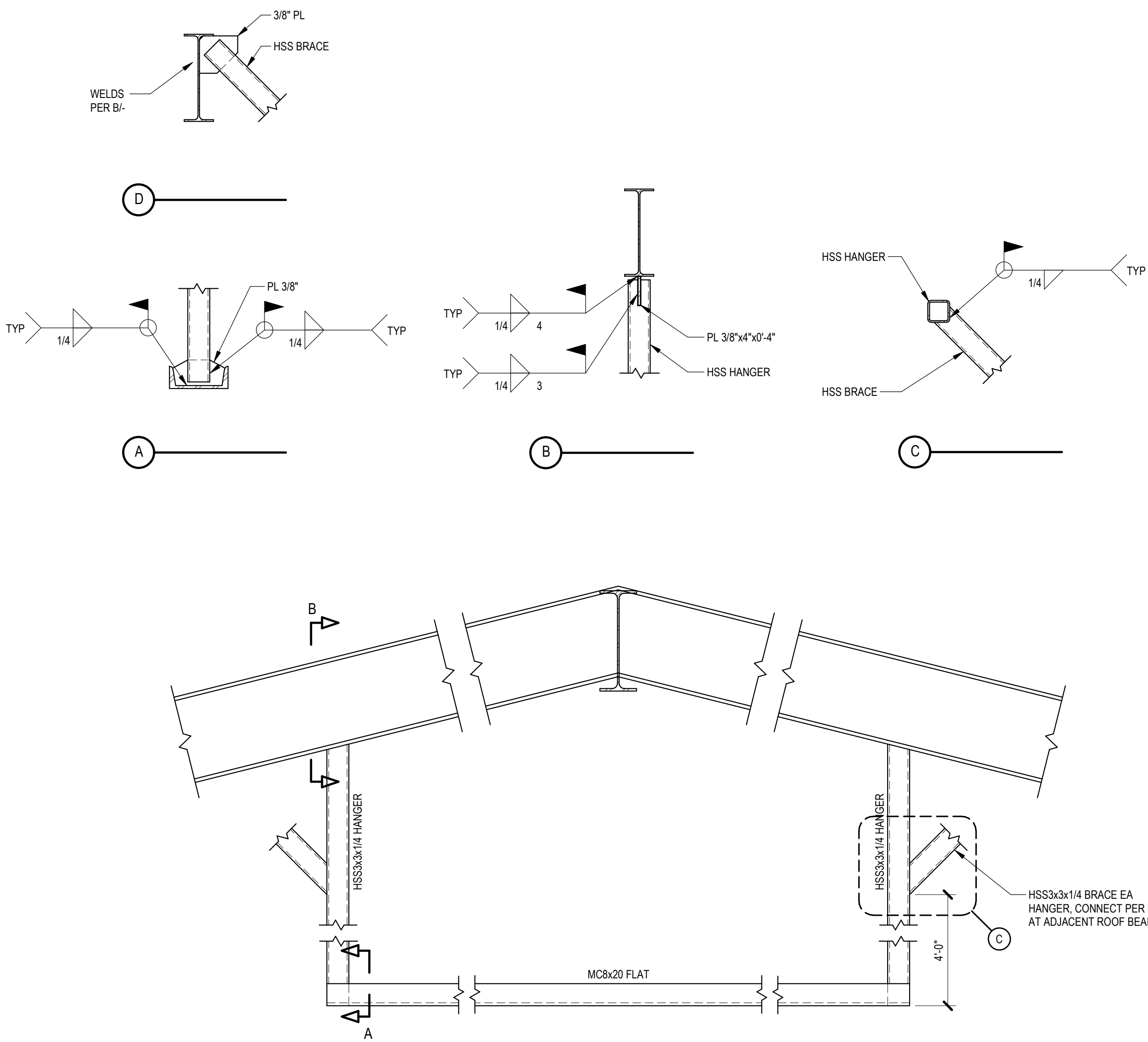
- NOTES:
- SEE PLANS FOR TOP OF STEEL FRAMING ELEVATION, WHERE TOP OF STEEL NOT SHOWN SEE ARCHITECTURAL FOR FINISH FLOOR ELEVATION.
  - SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL FOR LOCATION OF EQUIPMENT. CONTRACTOR TO VERIFY ALL UNIT LOCATIONS, SIZES AND OPENINGS.
  - ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS/GIRDERS UNLESS NOTED OTHERWISE.
  - SEE ARCHITECTURAL FOR SLOPING AND ELEVATION OF SLABS, DEPRESSIONS, OPENINGS, RAMPS, ETC.
  - SEE SCHEDULE SHEET 7/30.53 FOR HEADER LABELS DEFINITIONS (H1, H2, H3).

### LEGEND:

- INDICATES WF COL
- INDICATES HSS COL
- INDICATES DEVIATION FROM TYPICAL T.O.S. ELEVATION
- INDICATES MOMENT CONNECTION PER 10/S0.32
- INDICATES BEAM STIFFENER PLATES WITH SLIP CRITICAL (SC) BOLTS PER 18/S0.31
- INDICATES BOTTOM FLANGE BRACING PER 13/S0.31
- INDICATES BEAM CONNECTION WITH (1) ROW OF SLIP CRITICAL (SC) BOLTS
- INDICATES BEAM CONNECTION WITH (2) ROWS OF SLIP CRITICAL (SC) BOLTS PER 8/S0.32
- INDICATES SPAN DIRECTION AND TYPE OF METAL DECK PER SCHEDULE ON SHEET S0.41
- INDICATES SOLAR-READY ROOF AREA, SEE DESIGN CRITERIA S0.01 FOR LOADING INFORMATION
- INDICATES MOMENT FRAME COLUMN TO BEAM CONNECTION PER 19/S0.32 OR 18/S0.32 OR 16/S0.32







6  
1" = 1'-0"



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PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: DSA SUBMITTAL  
SHEET ISSUED: 06/07/2025  
DATE: 07/25/2025 10PM CS SET  
DESCRIPTION: 17-RECEIVED AUGUST 11

S5.02

DSA SUBMITTAL

DETAILS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY







9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

miyamoto.

1047 West Sixth Street, Suite A T: (833) 270-8848  
Ontario, CA 91762 miyamotointernational.com  
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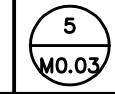

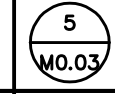

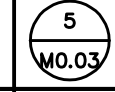

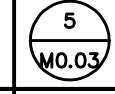

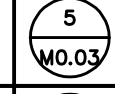

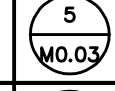

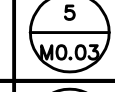

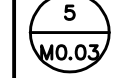













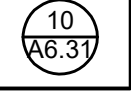
MULTI-SPLIT SYSTEM SCHEDULE																		
SYM.	MFR./MODEL	AREA SERVED	COOLING		HEATING		ELECTRICAL		OPER. WT. (LBS.)	SYM.	MFR./MODEL	CFM	OSA CFM	ELECTRICAL		OPER. WT. (LBS.)	REMARKS	ANCHOR DETAIL REF.
			MBH	SEER	MBH	HSPF	MCA	VOLTAGE/PHASE						MCA	VOLTAGE/PHASE			
	CARRIER RAV-BP121	OFFICE/STORAGE 101	12	26	14	12	14		85		CARRIER RAV-HB121	480		-		50	INDOOR UNIT SHALL BE POWERED BY OUTDOOR UNIT WITH UNIT POWERED CONDENSATE PUMP. WALL MOUNTED THERMOSTAT. 24V INTERFACE KIT. PROVIDE WALL CAP FOR OSA HOOD.	

DUST COLLECTOR UNIT SCHEDULE										
SYMBOL	MFR./MODEL	AREA SERVED	CFM	ESP (INCHES W.G.)	FAN HP	ELECTRICAL			OPER WT. (LBS.)	REMARKS
						MCA	MOCP	VOLTAGE/PHASE		
<div><div>DC</div><div>1</div></div>	LAGUNA U-15	WELDING 102	500	2.95	1.5	10.7	-	120 1	165	START/STOP BUTTON. PROVIDE W/ DUCT COLLECTOR & MACHINERY INTERLOCK SWITCH. NON-PORTABLE.

AIR DISTRIBUTION SCHEDULE						
SYM.	CFM	MAX. P.D. INCHES	MAX. WC	NECK SIZE	MFR./MODEL	REMARKS
SDGER-1	675	0.10	30	18"x10"	PRICE #SDGER	SPIRAL DUCT EXHAUST GRILLE, ALUMINUM FINISH

NOTE: • CEILING DIFFUSER THROWS SHALL BE 4-WAY UNLESS OTHERWISE NOTED.  
• PROVIDE REMOTE MOTOR OPERATED DAMPER AT HARD CEILINGS  
• ALL AIR DISTRIBUTION DEVICES TO HAVE CONCEALED MOUNTING OPTION.  
• FOR 1, 2, OR 3-WAY PATTERN, INSTALL QUADRANT BLANKS.  
• PROVIDE FILLER PANEL FOR AIR DISTRIBUTION INSTALLED IN LAY-IN CEILINGS.

UNIT HEATER SCHEDULE												
SYM	MFR/MODEL	AREA SERVED	CFM	ESP	HP	ELECTRICAL		CAPACITY		OPER. WT. LBS	REMARKS	ANCHOR DETAIL REF.
						MCA	VOLT	KW	MBH			
	REZNOR EUH-7	SHOP AREA	740	0.1	0.07	9.2	480 / 3	7	23.9	55	COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT.	
	REZNOR EUH-7	SHOP AREA	740	0.1	0.07	9.2	480 / 3	7	23.9	55	COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT.	
	REZNOR EUH-7	SHOP AREA	740	0.1	0.07	9.2	480 / 3	7	23.9	55	COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT.	
	REZNOR EUH-7	SHOP AREA	740	0.1	0.07	9.2	480 / 3	7	23.9	55	COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT.	
	REZNOR EUH-20	WELDING AREA	1290	0.1	0.17	24.1	480 / 3	20	68.2	95	COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT.	
	REZNOR EUH-20	WELDING AREA	1290	0.1	0.17	24.1	480 / 3	20	68.2	95	COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT.	
	REZNOR EUH-20	WELDING AREA	1290	0.1	0.17	24.1	480 / 3	20	68.2	95	COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT.	
	REZNOR EUH-20	WELDING AREA	1290	0.1	0.17	24.1	480 / 3	20	68.2	95	COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT.	

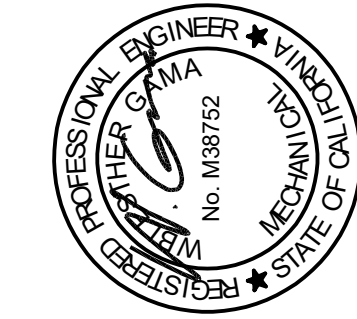
EXHAUST FAN SCHEDULE														
SYM.	MFR./MODEL	TYPE	CFM	(ESP) INCHES W.G.	RPM	SONES	ELECTRICAL			OPER. WT. (LBS.)	REMARKS	SERVICE	BUILDING LOCATION	DETAILS
							WATT	HP	VOLTAGE/PHASE					
	GREENHECK SP-A90	CEILING MOUNTED	80	0.187	900	0.3	16	-	115 / 1	12	COMPLETE WITH WALL CAP, BACK DRAFT DAMPER & BIRD SCREEN. INTERLOCK W/ LIGHT SWITCH.	103 -	RESTROOM BUILDING	
	GREENHECK SP-A90	CEILING MOUNTED	80	0.187	900	0.3	16	-	115 / 1	12	COMPLETE WITH WALL CAP, BACK DRAFT DAMPER & BIRD SCREEN. INTERLOCK W/ LIGHT SWITCH.	104 -	RESTROOM BUILDING	
	GREENHECK BSO-160HP	INLINE	2000	1.5	1725	14.4	-	1.5	460 / 3	180	COMPLETE WITH VFD, HANGER KIT & BACKDRAFT DAMPER. INTERLOCK W/ SWITCH.	102 -	SHOP AREA (WELDING TABLES)	
	GREENHECK BSO-180HP	INLINE	3200	2	1725	18.3	-	3	460 / 3	230	COMPLETE WITH VFD, HANGER KIT & BACKDRAFT DAMPER. INTERLOCK W/ SWITCH.	102 -	SHOP AREA (WELDING BOOTHS)	
	GREENHECK BSO-180HP	INLINE	3200	2	1725	18.3	-	3	460 / 3	230	COMPLETE WITH VFD, HANGER KIT & BACKDRAFT DAMPER. INTERLOCK W/ SWITCH.	102 -	SHOP AREA (WELDING BOOTHS)	
	GREENHECK BSO-160HP	INLINE	3000	0.5	1725	13.4	-	1	460 / 3	175	COMPLETE WITH HANGER KIT & BACKDRAFT DAMPER. INTERLOCK W/ SWITCH.	102 -	SHOP AREA	
	MARC ISFX 160	INLINE	100	1.0	900	5.5	129	-	120 / 1	20	COMPLETE SPARK & CONSTRUCTION & EXPLOSION PROOF MOTOR. INTERLOCK WITH LINE VOLTAGE THERMOSTAT.	109 -	SERVICE YARD	

DESIGN CONDITIONS						
LOCATION	ELEVATION (FEET)	INDOOR			OUTDOOR	
		HEATING DB °F	COOLING DB °F	RELATIVE HUMIDITY %	HEATING DB °F	COOLING DB °F
FONTANA, CA	1090	70	75	50%	38	101

MECHANICAL SCHEDULES AND DETAILS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



PROJECT NUMBER: 24-102-00  
PROJECT STATUS: **ISSUED**  
SHEET ISSUED: 08/25/2025  
DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

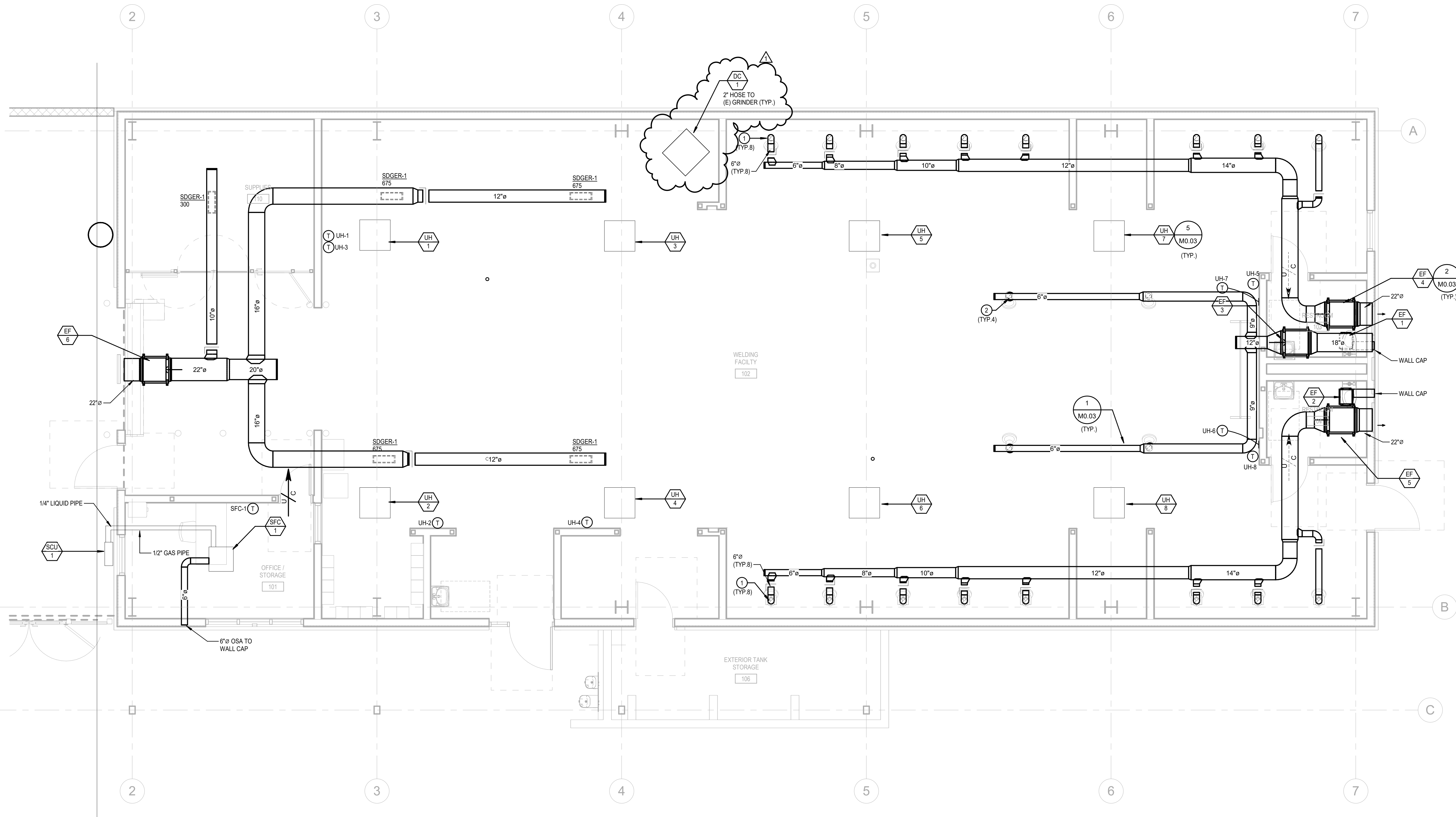
M0.02

100% CD



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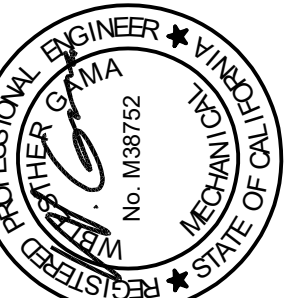
MECHANICAL PLAN  
14" = 1'-0" SCALE

SHEET NOTES

- 1 COMPLETE WITH 6" NEDERMAN TELESCOPIC ARM AT 400 CFM, SEE M0.03
- 2 COMPLETE WITH 6" NEDERMAN TELESCOPIC ARM AT 500 CFM, SEE M0.03

PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/29/2025  
DATE: 11/12/2025  
DESCRIPTION: ADD 1

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MECHANICAL PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

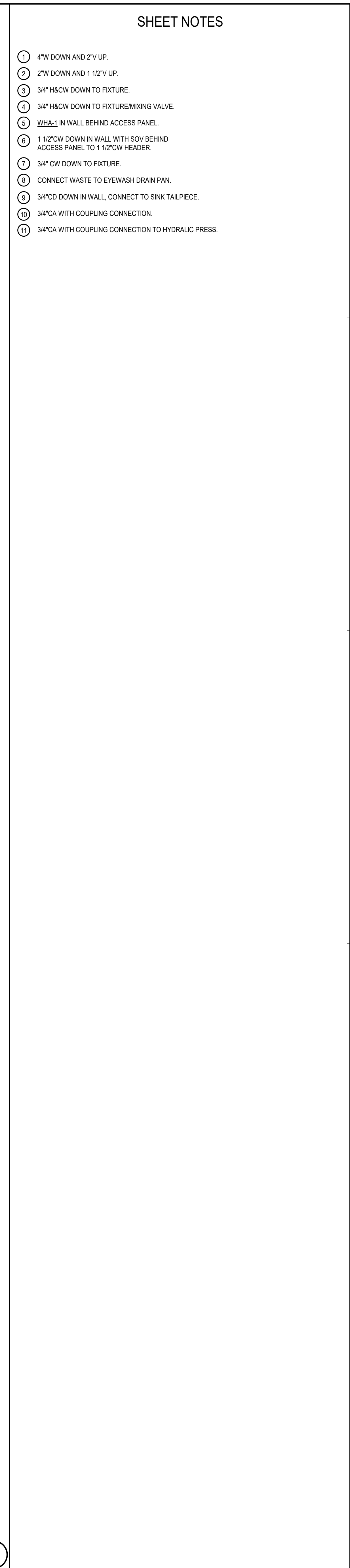
CONSULTANT:





M2.21

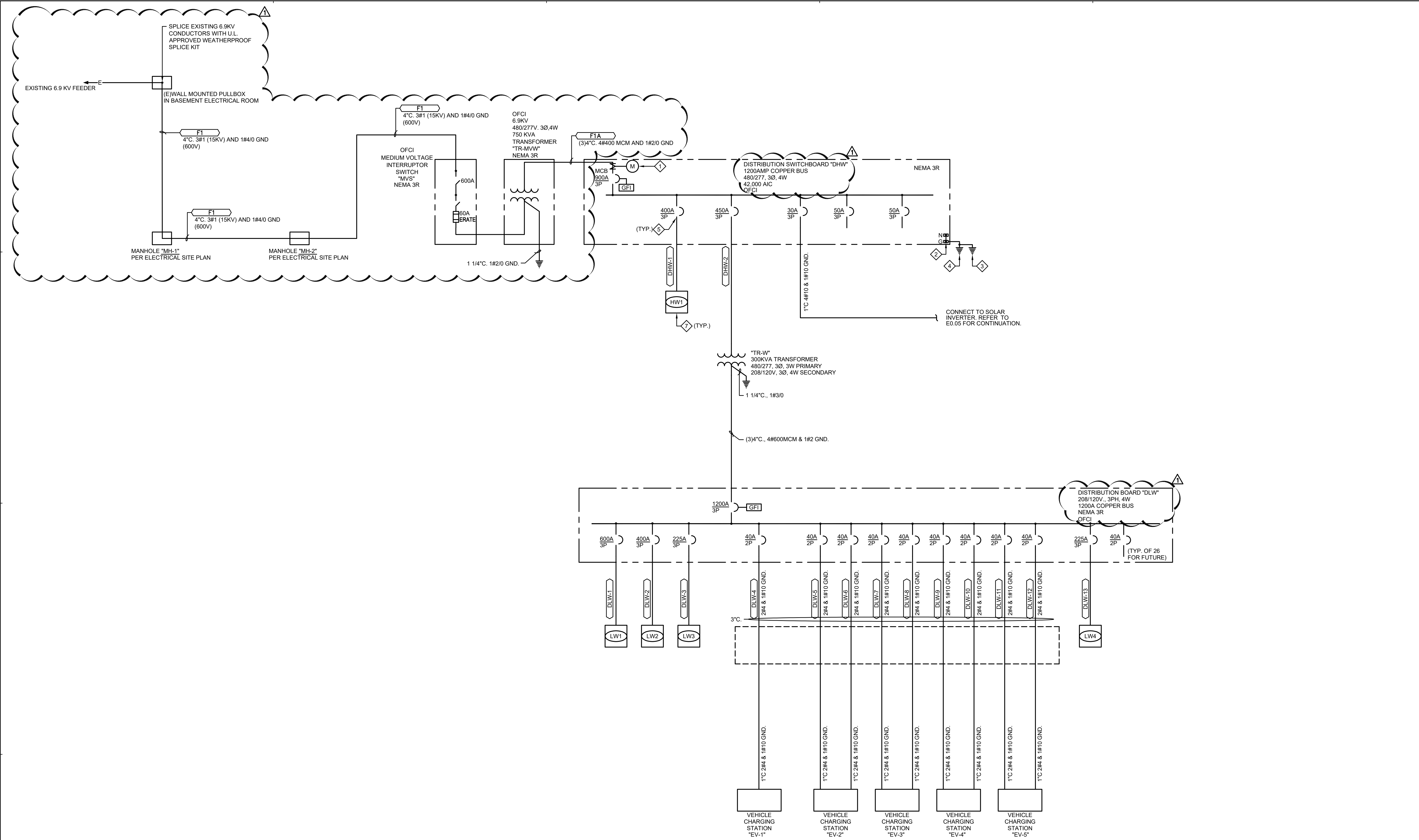
100% CD





<p>PROJECT NUMBER: 23-46162-20          PROJECT STATUS: 100% CD          SHEET ISSUED: 08/25/2023          DELTA DATE: DESCRIPTION:          Δ 11/12/2023 ADD 1          Δ</p>	<p><b>sgn</b>          ARCHITECTS</p> <p>© 2023 SGA ARCHITECTS INC. ALL RIGHTS RESERVED</p>	<p>SEALS:</p> 	<p>PLUMBING PLAN</p> <p>CHAFFEY COLLEGE          INTECH WELDING FACILITY</p> <p>9400 CHERRY AVENUE, FONTANA, CA 92335</p>	<p>CONSULTANT:</p> <div data-bbox="2884 1568 2911 1810">  <p><b>DCCA ENGINEERS</b>              Consulting Mechanical and Electrical Engineers</p> </div> <div data-bbox="2911 1810 2914 1850"> <p>PROJECT: Chaffey Tech Welding              Fontana, CA              10/30/2023 02/20/24</p> </div>
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DIST. BOARD:	DHW	LOAD SUMMARY & FEEDER SCHEDULE				VOLTAGE:		480/277V,3P,4W					
BRANCH:	NORMAL					MIN. BUS:		1,200 AMPS					
ENCLOSURE:	NEMA-3R					** MCB TRIP:		1,000 AMPS					
AIC RATING:	42,000 AIC SYM. MINIMUM												
FEEDER NUMBER	FEEDER		NO. OF SETS	CONDUIT (INCHES)	CONDUCTORS (AWG)	GROUND (AWG)	DEMAND LOAD		CONNECTED LOAD		FEEDER LENGTH*	VOLTAGE DROP	REMARKS
	FROM	TO					AMPS	KVA	AMPS	KVA			
DHW-1	DHW	HW1	1	4"	4 # 600MCM	1/0	152.40	126.70	151.48	125.94	175	0.33%	
DHW-2	DHW	TR-W	2	2 1/2"	3 # 250MCM	2	240.79	200.19	387.60	322.25	245	1.09%	
DHW-3	DHW												
DHW-4	DHW												
DHW-5	DHW												
DHW-6	DHW												
DHW-7	DHW												
DHW-8	DHW												
DHW-9	DHW												
DHW-10	DHW												
DHW-11	DHW												
DHW-12	DHW												
DHW-13	DHW												
DHW-14	DHW												
DHW-15	DHW												
* FEEDER LENGTH IN FEET IS INDICATED FOR VOLTAGE DROP CALCULATION ONLY AND SHALL NOT BE USED FOR QUANTITY TAKEOFFS.									539.08	448.19	SUBTOTAL		
** MCB = MAIN CIRCUIT BREAKER      ** MLO = MAIN LUGS ONLY									539.08	448.19	25% OF LARGEST MOTOR TOTAL LOAD		

DIST. BOARD:	DLW	LOAD SUMMARY & FEEDER SCHEDULE				VOLTAGE:		208/120V,3P,4W					
BRANCH:	NORMAL					MIN. BUS:		1,200 AMPS					
ENCLOSURE:	NEMA-3R					** MCB TRIP:		1,200 AMPS					
AIC RATING:	25,000 AIC SYM. MINIMUM												
FEEDER NUMBER	FEEDER		NO. OF SETS	CONDUIT (INCHES)	CONDUCTORS (AWG)	GROUND (AWG)	DEMAND LOAD		CONNECTED LOAD		FEEDER LENGTH*	VOLTAGE DROP	REMARKS
	FROM	TO					AMPS	KVA	AMPS	KVA			
DLW-1	DLW	LW1	2	4"	4 # 350MCM	1	329.18	118.59	630.60	227.18	175	1.18%	
DLW-2	DLW	LW2	1	4"	4 # 600MCM	1/0	48.59	17.51	61.08	22.01	175	0.30%	
DLW-3	DLW	LW3	1	2 1/2"	4 # 4/0	4	56.10	20.21	58.40	21.04	175	0.54%	
DLW-4	DLW	EV-1	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	260	1.92%	
DLW-5	DLW	EV-2	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	270	2.00%	
DLW-6	DLW	EV-2	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	270	2.00%	
DLW-7	DLW	EV-3	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	290	2.15%	
DLW-8	DLW	EV-3	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	290	2.15%	
DLW-9	DLW	EV-4	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	290	2.15%	
DLW-10	DLW	EV-4	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	290	2.15%	
DLW-11	DLW	EV-5	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	310	2.29%	
DLW-12	DLW	EV-5	1	1"	2 # 4	10	30.19	6.28	30.19	6.28	310	2.29%	
DLW-13	DLW	LW4	1	2 1/2"	4 # 4/0	4	94.93	34.20	162.10	58.40	250	2.14%	
DLW-14	DLW												
DLW-15	DLW												
* FEEDER LENGTH IN FEET IS INDICATED FOR VOLTAGE DROP CALCULATION ONLY AND SHALL NOT BE USED FOR QUANTITY TAKEOFFS.									1069.07	385.15	SUBTOTAL		
** MCB = MAIN CIRCUIT BREAKER    ** MLO = MAIN LUGS ONLY									1069.07	385.15	25% OF LARGEST MOTOR		
									1069.07	385.15	TOTAL LOAD		

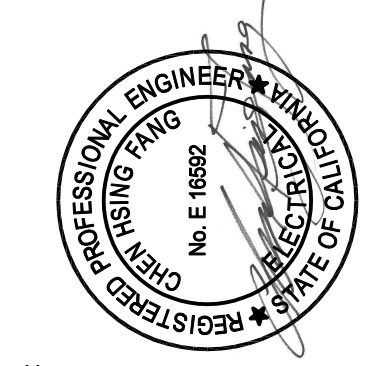
SHEET NOTES

- 1. PROVIDE DIGITAL "OWNER METER" WITH ALL SENSORS & HARDWARE TO COMPLY WITH THE MINIMUM 2016 CALIFORNIA ENERGY CODE REQUIREMENTS PER 130.5(a) AND TABLE 130.5-A FOR KW AND KWH TRACKING.
- 2. CONTINUOUS COPPER GROUND BUS, CENTRAL GROUND POINT FOR PROJECT. NO OTHER GROUND POINTS MAY BE USED.
- 3. INSTALL 1" CONDUIT & 1#4/0 TO ACCESSIBLE COLD WATER & GAS LINES WITHIN 5' OF LINES ENTERING BUILDING. BOND TO BUILDING STEEL USING EXOTHERMIC WELD PROCESS & APPROVED GROUNDING CLAMPS TO BUILDING WATER & GAS LINES.
- 4. INSTALL 1" C. WITH 1#250 MCM GROUNDING ELECTRODE CONDUCTOR TO "UFER" GROUND SYSTEM CABLE. UFER GROUND SYSTEM SHALL BE A MINIMUM OF 40' OF 250 MCM BARE COPPER GROUND IN BUILDING FOOTINGS.
- 5. ALL CIRCUIT BREAKERS SHALL BE FULLY RATED. NO SERIES RATED CIRCUIT BREAKER SHALL BE USED, TYPICAL.
- 6. PROVIDE AND INSTALL TRANSIENT VOLTAGE SURGE SUPPRESSION FILTER EQUAL TO CURRENT TECHNOLOGY #TG3-200-480-3Y-SN-T/B-MI-F23.
- 7. FURNISH GROUND BUS IN EACH BRANCH CIRCUIT PANEL. ALL PANELS 480/277 VOLT AND 208/120 VOLT, SHALL HAVE THE FEEDER EQUIPMENT GROUNDING CONDUCTOR CONNECTED TO GROUND BUS. FURNISH EQUIPMENT GROUNDING CONDUCTORS IN EVERY FEEDER AND BRANCH CIRCUIT. RUN TO LAST OUTLET AND CONNECT TO BUS. CONDUIT GROUND IS NOT ACCEPTABLE AS A SUBSTITUTE. TYPICAL ALL PANELS, SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND SWITCHGEAR.

SINGLE LINE DIAGRAM

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



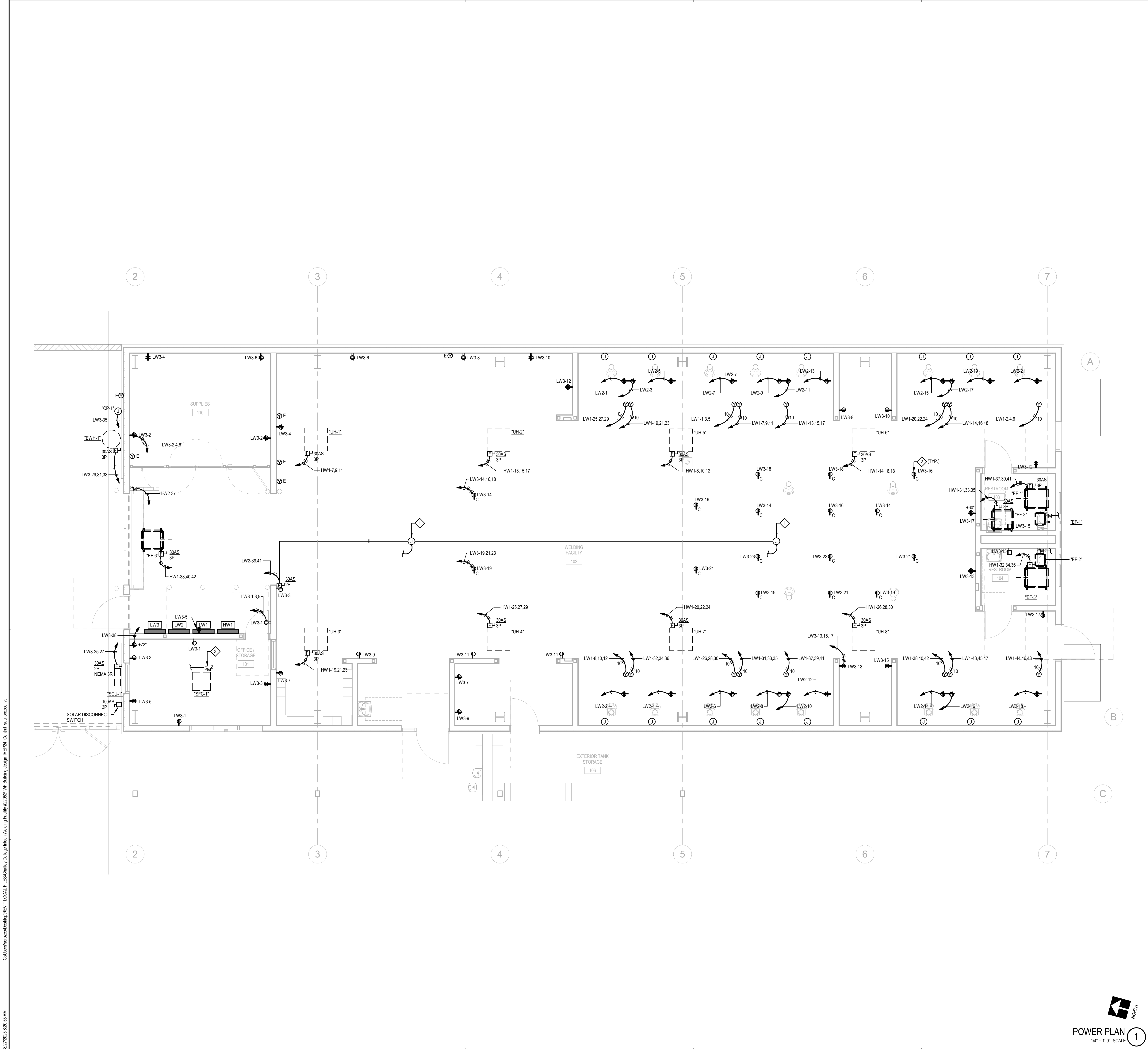
PROJECT NUMBER: 24-002-00  
PROJECT STATUS: NEW CD  
SHEET ISSUED: 08/25/2025  
DELTA DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

E0.04







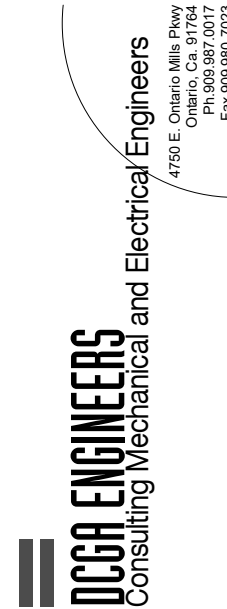


SHEET NOTES

- MAKE CONNECTION TO CEILING FAN PER MANUFACTURES REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- REFER TO CORD REEL DETAIL 12/10/22 FOR CORD REEL MOUNTING. VERIFY EXACT LOCATION OF CORD REELS ON ARCHITECTURAL PLANS.
- TO OUTDOOR UNIT FOR POWER.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP. 04-124464 INC.  
REVIEWED FOR  
SS ☐ FLS ☐ ACS ☐  
DATE: 09/02/25

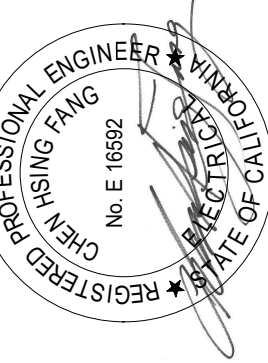
CONSULTANT:



POWER PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



SEALS:



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/29/2025  
DATE: 11/22/2025  
DESCRIPTION: ADDENDUM 1

E2.22

100% CD

POWER PLAN  
1/4" = 1'-0" SCALE

1

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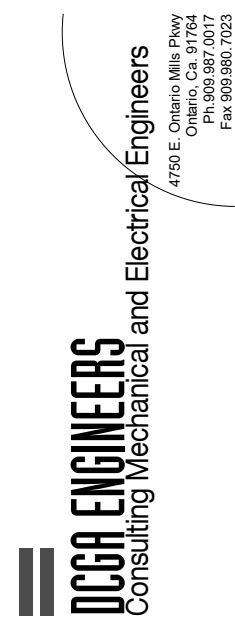




SHEET NOTES

PROVIDE A 3/4" THICK x 8'-0" x LENGTH INDICATED FIRE TREATED PLYWOOD BACKBOARD SANDED AND PAINTED WHITE.

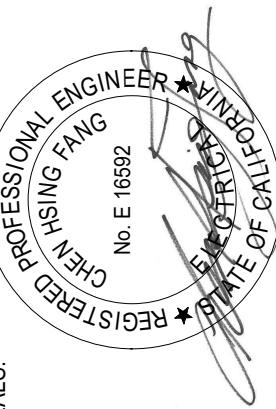
CONSULTANT:



COMMUNICATION PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



SEALS:



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/29/2025  
DATE: 11/25/2025  
DESCRIPTION: ADDENDUM 1

E2.23

100% CD

COMMUNICATION PLAN  
1/4" = 1'-0" SCALE

1



