# NEWPORT HARBOR HIGH SCHOOL POOL EQUIPMENT REPLACEMENT

## **CONTRACTOR SCOPE OF WORK:**

- 1. PROVIDING LABOR, MATERIAL, MANAGEMENT AND COORDINATION OF OWN PERSONNEL AND SPECIALTY SUBCONTRACTORS EXPERIENCED IN COMMERCIAL POOL BUILDING TO PRODUCE A FUNCTIONING SWIMMING POOL INCLUDING STRUCTURE AND EQUIPMENT READY FOR PUBLIC USE UPON COMPLETION OF THE WORK. REMOVE EQUIPMENT FROM PREMISES WHEN NO LONGER REQUIRED.
- REMOVE, DEMOLISH, AND PROPERLY DISCARD ALL EQUIPMENT NOTED ON DRAWINGS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: FILTRATION SYSTEM, CHEMICAL FEED SYSTEMS, ABOVE GRADE PIPING, PIPING VALVES, FLOW METERS, EMERGENCY EYE WASH STATION, AND DOORS.
- 3. PROTECT IN PLACE FOR RECONNECTION AND REUSE ALL EQUIPMENT NOTED ON DRAWINGS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: VARIABLE FREQUENCY DRIVE, ELECTRICAL PANELS, BULK CHEMICAL STORAGE TANK, HEATER, RECIRCULATION PUMP, AND POOL FILL MANIFOLD.
- 4. PROVIDE UPDATES TO ROOF JOISTS AS SHOWN IN DRAWINGS. INSTALL NEW JOISTS AND CUT AND REINSTALL EXISTING BLOCKINGS AS SHOWN IN DRAWINGS. SEE DRAWINGS FOR WOOD AND HARDWARE SPECIFICATIONS.
- 5. REMOVE EXISTING DOORS HAS SHOWN ON DRAWINGS. INSTALL NEW DOORS FRAMES, AND HARDWARE HAS DESCRIBED IN DRAWINGS AND SPECIFICATIONS
- 6. PROVIDE PAINT AT BOTH INTERIOR AND EXTERIOR WALL SURFACES OF ACID STORAGE ROOM.
- 7. PROVIDE POOL FILTRATION SYSTEM AND CIRCULATION SYSTEM, VALVES, PUMPS, CHEMICAL FEED EQUIPMENT. AND ALL ITEMS NECESSARY TO OPERATE THE ENTIRE SYSTEM PROPERLY.
- 8. PROVIDE SWIMMING POOL AND RELATED EQUIPMENT START-UP AS STATED IN SECTION 131109, INCLUDING MINIMUM CONSECUTIVE 14-DAY TROUBLE-FREE OPERATION. START, TEST, CALIBRATE AND ADJUST ALL MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT, RECIRCULATION, CHEMICAL, AND OTHER SUPPLIED SYSTEMS.
- 9. INSTRUCT THE OWNER'S REPRESENTATIVE IN THE SYSTEMS OPERATION AND MAINTENANCE AS DESCRIBED SPECIFICATION 131109.
- 10.PROVIDE INITIAL POOL WATER CHEMICAL BALANCING BASED ON RYZNAR STABILIZATION AND THE LANGELIER INDEX.
- 11.PROVIDE ALL EQUIPMENT AND SERVICES REQUIRED FOR ERECTION AND DELIVERY ONTO THE PREMISES OF ANY EQUIPMENT OR APPARATUS FURNISHED. REMOVE EQUIPMENT FROM PREMISES WHEN NO LONGER REQUIRED.
- 12.PROVIDE ALL ELECTRICAL CONDUIT, WIRING, JUNCTION BOXES ETC. TO ALL LOW VOLTAGE POOL EQUIPMENT WITHIN POOL FILTER/CHEMICAL ROOMS PER SECTION 131150. (LOW VOLTAGE IS CONSIDERED LESS THAN 110 V.)
- 13.COORDINATE FOR ALL REQUIRED BONDING AND GROUNDING OF THE POOL EQUIPMENT.
- 14.PROVIDE ALL NECESSARY PIPING AND VALVING AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- 15. ASSEMBLE AND INSTALL THE CLEANING AND MAINTENANCE EQUIPMENT FOR THE POOL AS SPECIFIED HEREIN.
- 16.PROVIDE FOR THE STORAGE OF ALL POOL RELATED EQUIPMENT, MATERIALS AND SYSTEMS. ALL ITEMS ARE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTED BY OWNER.
- 17.OBTAIN FINAL ACCEPTANCE BY JURISDICTIONAL HEALTH DEPARTMENT(S).

## **RENOVATION GENERAL NOTES:**

- 1. CONTRACTOR TO NOTIFY THE ENGINEER TO CONDUCT A SITE VISIT ONCE THE DESIGNATED POOL EQUIPMENT HAS BEEN DEMOLISHED AND REMOVED SO TH ENGINEER CAN OBSERVE THE EXISTING CONDITIONS OF THE BUILDING AND SL PROVIDE DIRECTION REGARDING REPAIRS.
- ANY SUBSTITUTIONS OR ALTERNATE DETAILS SHALL BE REVIEWED BY THE ENG SUCH REVIEW WILL REQUIRE A TIME AND MATERIALS CONTRACT TO BE SET UI THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION V ALLOWED.
- 3. DO NOT SCALE DRAWINGS. CONTACT THE ENGINEER FOR ANY DIMENSIONS N SHOWN.
- 4. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES & REGULATIONS

## **SAFETY NOTES:**

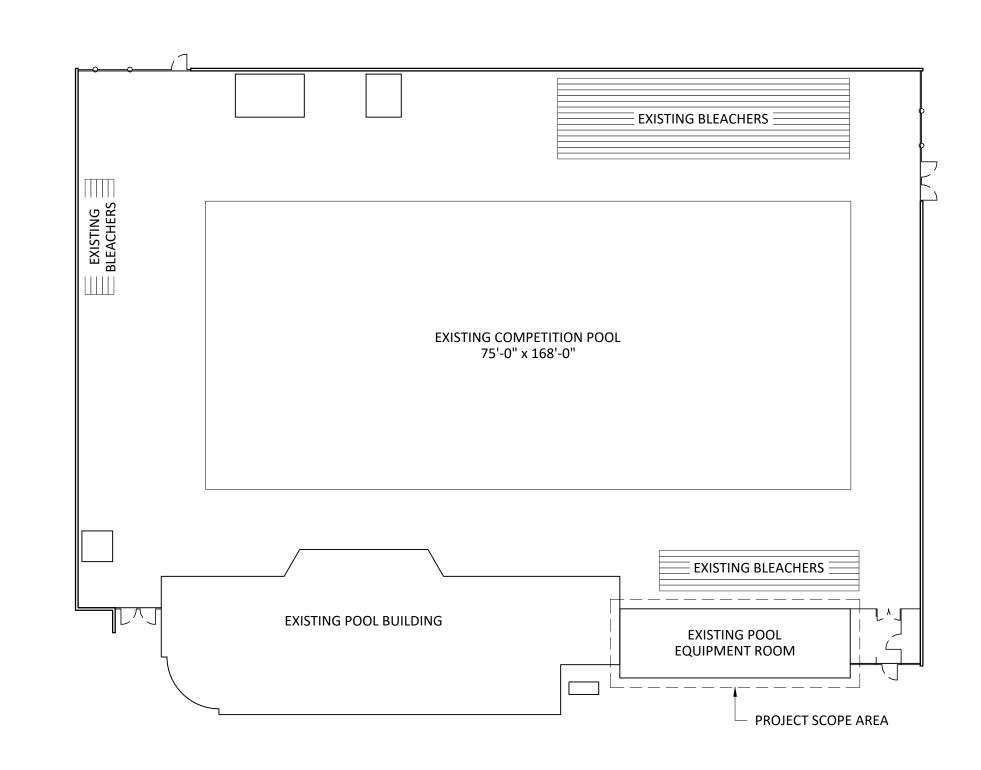
- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SI AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" IS THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS.
- 2. THE OWNER AND THE ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR TI CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS REQUIRED.

## **INTERPRETATION OF DRAWINGS & SPECIFICATIONS:**

- 1. FOR CONVENIENCE, SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT AND ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND ITS SUBCONTRACTORS.
- 2. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND TYPE OF CONSTRUCTION. THE SPECIFICATIONS WILL INDICATE QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETAILED, MARKED OR SPECIFIED, SHALL BE THE SAME AS SIMILAR PARTS THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- 3. SHOULD A CONFLICT APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY INSTRUCTIONS IN WRITING FROM THE ENGINEER, THEN THE CONTRACTOR SHALL HAVE NO VALID CLAIM AGAINST THE OWNER FOR THE COST OF PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD THEY ELECT TO PROCEED, THEY ARE DOING SO AT THEIR OWN RISK.
- 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. IN CASE OF A CONFLICT BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH PROJECT DOCUMENTS PRIOR TO COMMENCING ANY WORK.

## 600 IRVINE AVENUE NEWPORT BEACH, CA 92663

		ABBREVIATION LEGEND								
@	AT	DIM	DIMENSION	INSUL	INSULATED	REQ'D	REQUIRED			
Ø	DIAMETER	DWG	DRAWING	JB	JUNCTION BOX	REV	REVISION			
Æ	CENTER LINE	E	EXISTING	LONG	LONGITUDINAL	S.A.D.	SEE ARCHITECTURAL DETAIL			
AB	ANCHOR BOLT	E.F.	EACH FACE	MAS	MASONRY	SCH	SCHEDULE			
ABV	ABOVE	E.W.	EACH WAY	MAX	MAXIMUM	SHT	SHEET			
ADA	ACCESSIBLE	EJ	EXPANSION JOINT	MFG	MANUFACTURER	SIM	SIMILAR			
AFF	ABOVE FINISH FLOOR	ELEC	ELECTRICAL	МН	MANHOLE	SQ	SQUARE			
AG	ABOVE GRADE	ELEV	ELEVATION	MIN	MINIMUM	SS	STAINLESS STEEL			
AGG	AGGREGATE	EMBED	EMBEDMENT	MISC	MISCELLANEOUS	STD	STANDARD			
ALT	ALTERNATE	EQ	EQUAL	N	NEW	Т&В	TOP AND BOTTOM			
AUTO	AUTOMATIC	FD	FLOOR DRAIN	NIC	NOT IN CONTRACT	тнк	THICKNESS			
BLDG	BUILDING	FE	FIRE EXTINGUISHER	NTS	NOT TO SCALE	тос	TOP OF CONCRETE			
BLKG	BLOCKING	FF	FINISHED FLOOR	0.C.	ON CENTER	том	TOP OF MASONRY			
BOG	BOTTOM OF GUTTER	FLR	FLOOR	O.C.E.W.	ON CENTER EACH WAY	TOW	TOP OF WALL			
CIP	CAST IN PLACE	FTG	FOOTING	PERF	PERFORATED	TRANS	TRANSVERSE			
CJ	CONTROL JOINT	GAL	GALVANIZED	PNL	PANEL	ТҮР	TYPICAL			
CLR	CLEARANCE	GPM	GALLONS PER MINUTE	РОС	POINT OF CONNECTION	U.N.O.	UNLESS NOTED OTHERWISE			
CNTR	CENTER	НВ	HOSE BIB	PSF	POUNDS PER SQUARE FEET	VERT	VERTICAL			
COL	COLUMN	HDR	HEADER	PSI	POUNDS PER SQUARE INCHES	W/	WITH			
CONC	CONCRETE	HORIZ	HORIZONTAL	PVC	POLYVINYL CHLORIDE	W/O	WITHOUT			
CONT	CONTINUOUS	HVAC	HEATING, VENTILATION, & AIR CONDITIONING	R	RADIUS	WН	WATER HEATER			
DEMO	DEMOLISH	HWH	HOT WATER HEATER	REF	REFERENCE					
DF	DRINKING FOUNTAIN	INCL	INCLUDE	REINF	REINFORCEMENT					



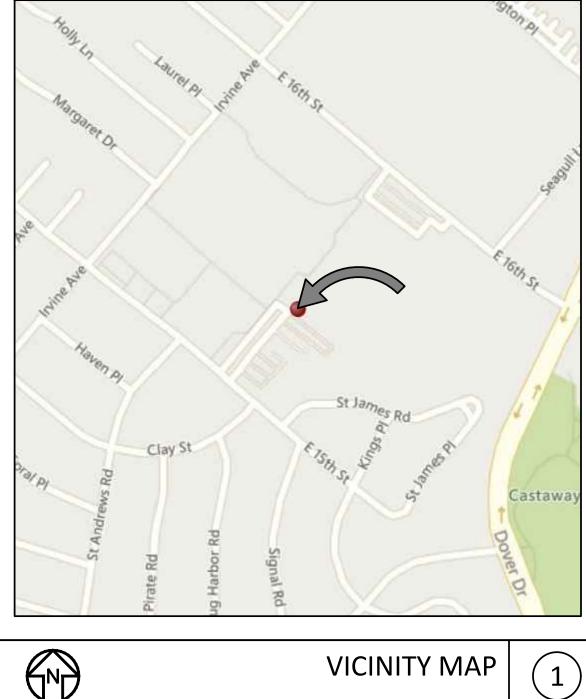
POOL SITE PLAN 1" = 25'-0"

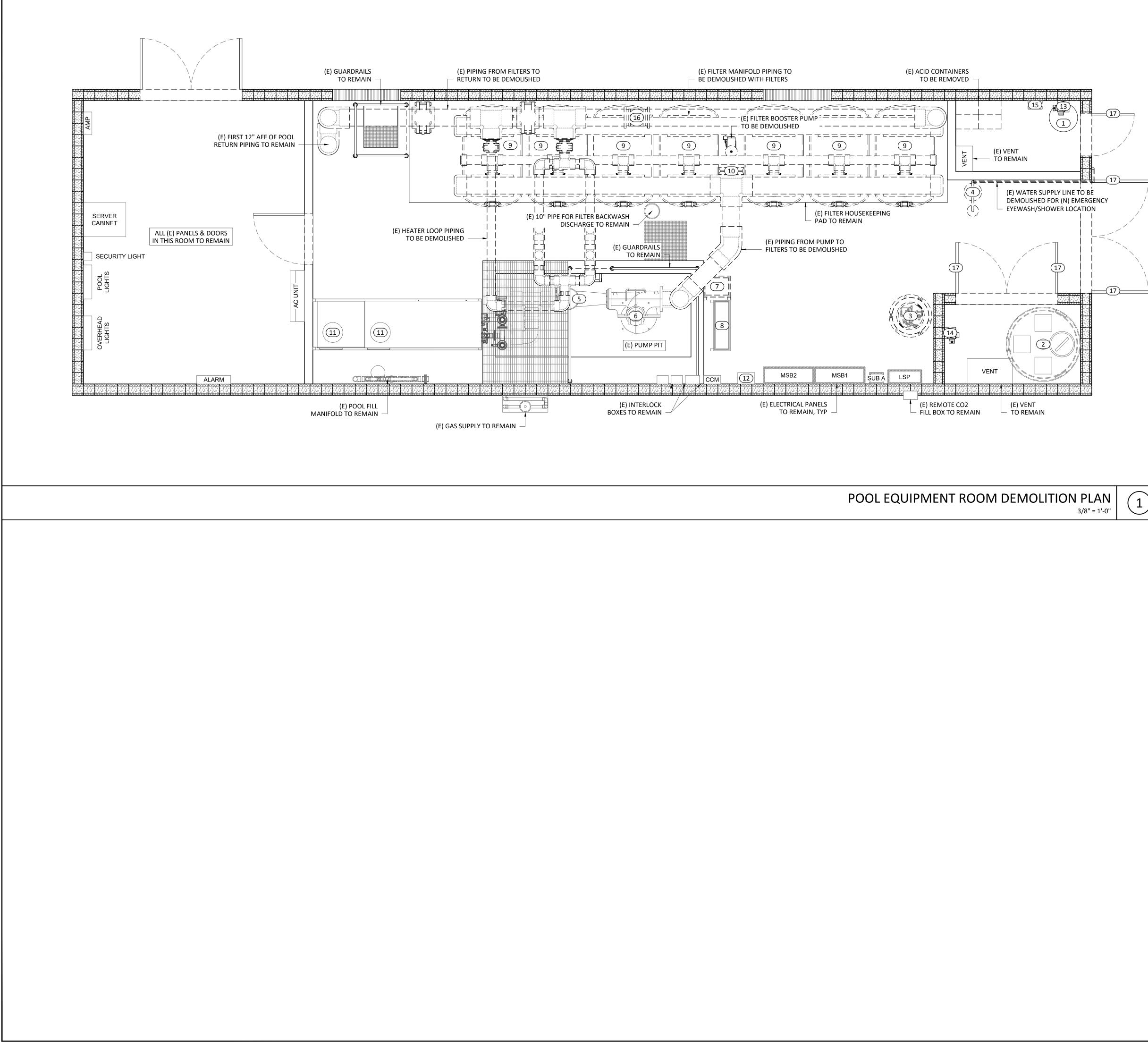
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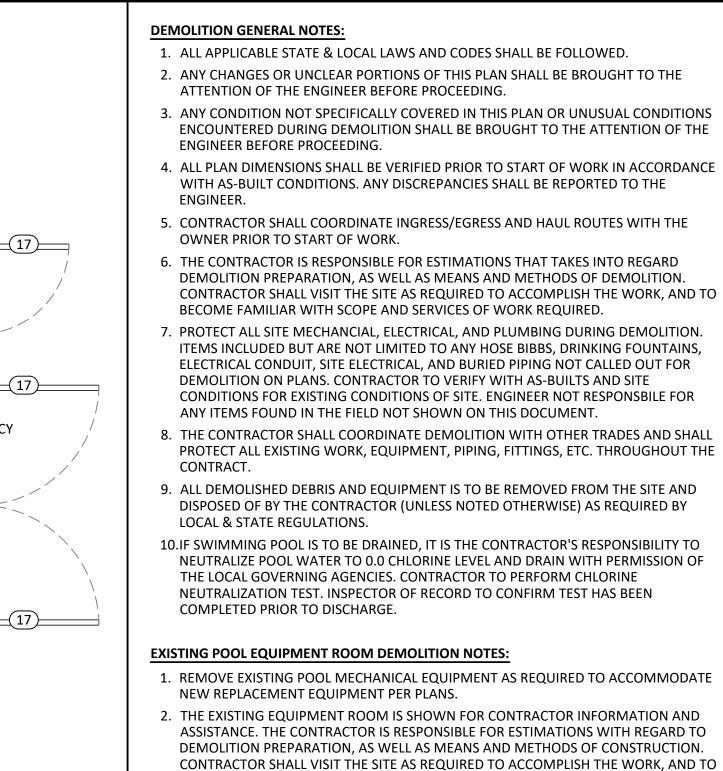
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Biton An St James Rd Fishing, 400 and	REV       DATE       DESCRIPTION         1
VICINITY MAP 1	APPROVED: J. McCLELLAND SP0.0

SHEET VICINITY MAP, DESIGN DA POOL EQUIPMENT POOL EQUIPMENT ROOM POOL EQUIPMEN POOL EQUIPME POOL EQUIPM POOL EQUIPME EQUIPMENT ROOM RCP & F PIPE DOOF

SWIMMING POOL DESIGN DATA	
SIZE (LENGTH BY WIDTH):	75 FT - 164 FT
DEPTH PROFILE:	4 FT - 12 FT
SURFACE AREA:	12,300 SF
PERIMETER:	479 FT
VOLUME:	658,000 GAL
MAX BATHER LOAD:	615 BATHERS
SWIMMING POOL SYSTEM DESIGN DATA	N
TURNOVER RATE:	5.9 HRS
RECIRCULATION RATE:	1850 GPM
FILTER AREA:	123.00 SF
FILTRATION RATE:	15 GPM/SF
BACKWASH FLOW RATE:	263 GPM/SF



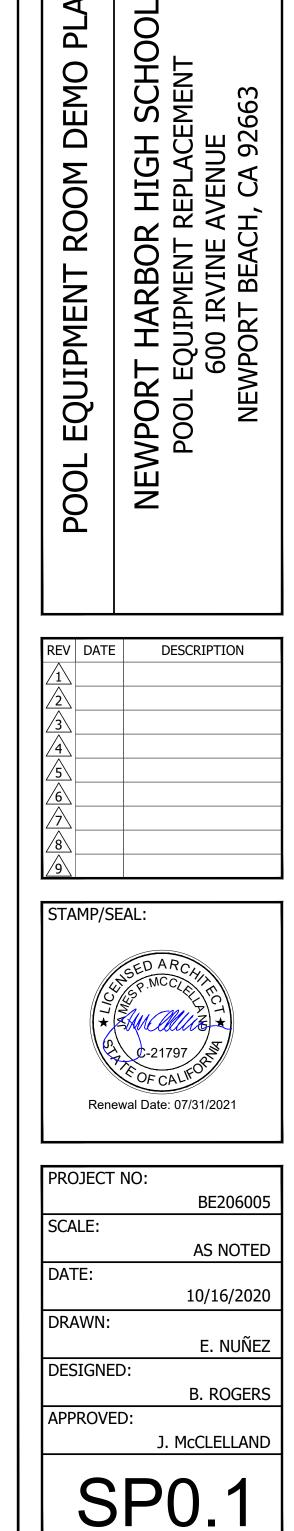


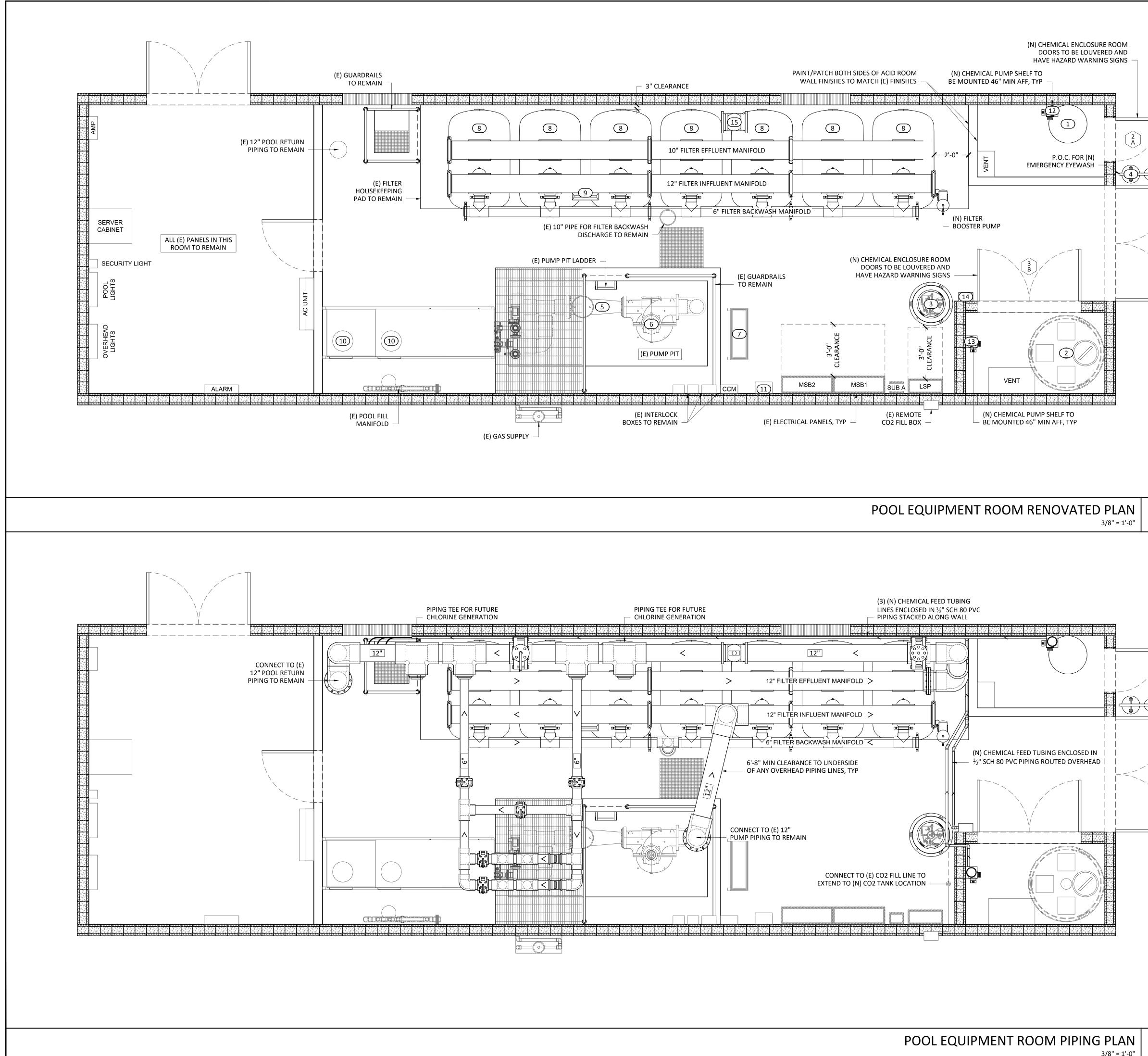


- BECOME FAMILIAR WITH SCOPE AND SERVICES OF WORK REQUIRED.
- 3. CARE IS TO BE TAKEN TO CAP OFF POOL SYSTEMS WHERE NECESSARY. 4. ALL EXISTING POOL PIPE HANGERS TO BE DEMOLISHED AND REPLACED WITH NEW PIPE HANGERS PER CONSTRUCTION SPECIFICATIONS.

DEMOLITION SCHEDULE								
Callout	Description	Notes						
1	ACID STORAGE TANK	DEMOLISH						
2	CHEMICAL STORAGE TANK	REMAIN & PROTECT						
3	CO2 STORAGE TANK	DEMOLISH						
4	EMERGENCY EYE WASH STATION	DEMOLISH						
5	STRAINER	REMAIN & PROTECT						
6	RECIRCULATION PUMP	REMAIN & PROTECT						
7	VARIABLE FREQUENCY DRIVE 1	DEMOLISH						
8	VARIABLE FREQUENCY DRIVE 2	REMAIN & PROTECT						
9	FILTRATION SYSTEM	DEMOLISH						
10	BACKWASH CONTROLLER	DEMOLISH						
11	HEATING SYSTEM	REMAIN & PROTECT						
12	CHEMICAL CONTROLLER	REMAIN & PROTECT						
13	ACID METERING PUMP	DEMOLISH						
14	CHLORINE METERING PUMP	DEMOLISH						
15	CO2 FEEDING SYSTEM	DEMOLISH						
16	FLOW METER	DEMOLISH						
17	DOORS	DEMOLISH						







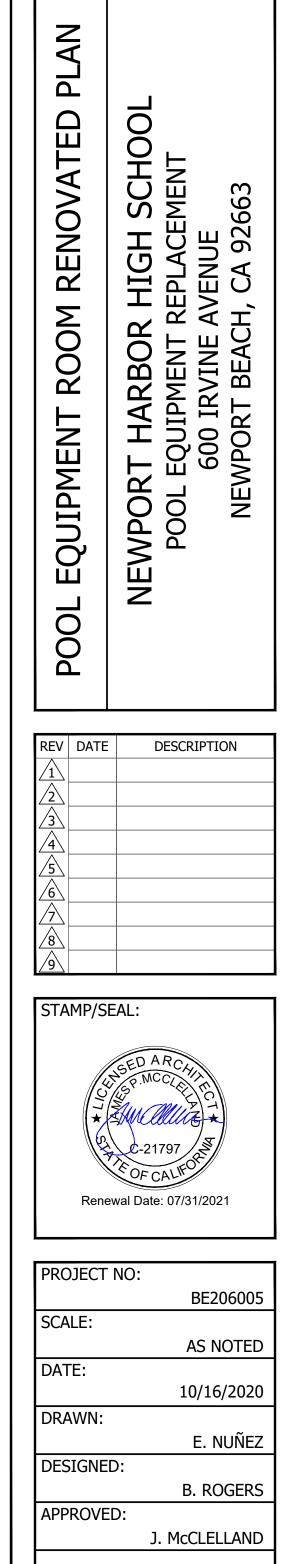
## **EQUIPMENT ROOM NOTES:**

- 1. ALL PIPING TO BE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE.
- 2. SEE PIPING PLANS TO VERIFY PIPE SIZES AND FOR CONTINUATION OF PIPING. REPORT DISCREPANCIES IMMEDIATELY TO THE ARCHITECT / ENGINEER.
- 3. POOL CONTRACTOR SHALL IDENTIFY ALL PIPING AND VALVES BY COLOR CODING OR LABELS AND DIRECTION OF FLOW ARROWS IN ACCORDANCE WITH LOCAL HEALTH CODE.
- 4. PIPING AT HEATER TO BE CPVC UNLESS NOTED OTHERWISE.
- 5. REDUCER FITTINGS SHALL BE USED WHERE PIPE SIZES CHANGE.
- 6. NO COMMON PIPING OR FITTING ON THE SUCTION SIDE OF THE PUMP IS TO BE SMALLER THAN THE LARGEST SINGLE ELEMENT CONNECTED. DOWNSIZING AND UPSIZING IS TO BE DONE AT THE THROATS OF THE PUMP PORTS.
- 7. ALL VALVES SHALL HAVE A MINIMUM PRESSURE RATING OF 125 PSI.
- 8. ALL TRADES SHALL KEEP SPACE ABOVE THE FILTRATION AND CHEMICAL EQUIPMENT CLEAR FOR SERVICING.
- 9. FILTRATION AND CHEMICAL EQUIPMENT SHALL BE NATIONAL SANITATION FOUNDATION (NSF) APPROVED.
- 10.FILTER SHALL BE PROVIDED WITH THE FOLLOWING APPROPRIATELY LOCATED ACCESSORIES: INFLUENT AND EFFLUENT PRESSURE GAUGES, BACKWASH SIGHT GLASS ON WASTED DISCHARGE LINE, FILTER BACKWASH VALVE, AIR RELIEF VALVE AT THE HIGH POINT OF THE FILTER SYSTEM, AND A VALVED TANK DRAIN. RELIEF VALVES SHALL BE INSTALLED.
- 11.FLOWMETER SHALL BE PROVIDED IN THE INLET RETURN LINE AFTER FILTER AND BEFORE CHEMICAL INJECTION. INSTALL ON A STRAIGHT LENGTH OF PIPE AT A DISTANCE OF AT LEAST 10 PIPE DIAMETERS DOWNSTREAM AND 4 PIPE DIAMETERS UPSTREAM FROM ANY VALVE, ELBOW OR OTHER SOURCE OF TURBULENCE OR PER MANUFACTURER'S SPECIFICATIONS. PROVIDE CHECK VALVE IN RETURN LINE UPSTREAM OF CHEMICAL INJECTION TO PROTECT HEATER, FILTER, PUMP AND OTHER EQUIPMENT.
- 12.INSTALL INTERLOCK BETWEEN CIRCULATION PUMP(S) AND HEATER(S); FLOW SWITCHES; AND BYPASS LOOPS AS REQUIRED BY HEATER MANUFACTURER.
- 13. ALL PIPING TO BE SUPPORTED AS REQUIRED WITH EITHER HANGERS (ALONG CEILINGS), ANCHORS (ALONG WALLS), OR SUPPORTS (ALONG FLOOR) PER CONTRACTOR. MIN 6'-8" CLEARANCE TO UNDERSIDE OF ANY OVERHEAD PLUMBING LINES.
- 14. ANY WALL-MOUNTED EQUIPMENT AND CONTROL PANELS SHALL BE MOUNTED A MINIMUM 46" ABOVE FINISHED FLOOR.
- 15. HOUSEKEEPING PADS: ALL CIRCULATION PUMPS, HEATERS, AND FILTERS TO BE ANCHORED PER MANUFACTURER'S RECOMMENDATIONS ON A HOUSEKEEPING PAD THAT IS 4" MINIMUM ABOVE FINISHED FLOOR.
- 16.BACKWASH CATCH BASIN SURFACES SHALL BE WATERPROOFED.
- 17. THE FOLLOWING INFORMATION SHALL BE LAMINATED AND POSTED IN THE POOL MECHANICAL ROOM: BACKWASH PROCEDURES, POOL FILLING AND DRAINING, VALVE REFERENCE CHART, EQUIPMENT ROOM PLAN, POOL PIPING SCHEMATICS, AND POOL SYSTEMS SCHEMATICS.
- 18.PIPING NOT SHOWN TO SCALE, SHOWN TO INDICATE WORK TO BE DONE AND SUGGESTED ROUTING RATHER THAN EXACT ROUTING & LOCATION. MAKE USE OF ALL DATA IN CONTRACT DOCUMENTS, VERIFY AGAINST DEVELOPED FIELD CONDITIONS, & INSTALL WORK IN AN ORDERLY ARRANGEMENT IN A MANNER TO OVERCOME STRUCTURAL, MECHANICAL & ELECTRICAL INTERFERENCE.
- 19.PIPING VALVES NOT SHOWN, SEE CIRCULATION SCHEMATICS FOR VALVES REQUIRED, LOCATIONS, AND SPECIFICATIONS.
- 20.PUMP SHALL INTERLOCK WITH HEATING CONTROL SYSTEM. DISRUPTION OF POWER TO CIRCULATION PUMP SHALL SHUT OFF HEATING.
- 21.PUMP SHALL INTERLOCK WITH CHEMICAL CONTROLLER. DISRUPTION OF POWER TO CIRCULATION PUMP SHALL SHUT OFF CHEMICAL FEED SYSTEMS VIA CHEMICAL CONTROLLER.

	SWIMMING POOL EQUIPMENT							
CALL OUT	EQUIPMENT	MODEL/DESCRIPTION						
1	ACID STORAGE	(N) CHEMTAINER TC2738DC, DOUBLE WALLED BULK STORAGE TANK, 50 GALLON CAPACITY, 26" DIAMETER, 38" HEIGHT W/ PROMINENT ACID FUME SCRUBBER						
2	CHLORINE STORAGE	(E) CHEMTAINER TC5971DC, DOUBLE WALLED BULK STORAGE TANK, 500 GALLON CAPACITY, 55" DIAMETER, 70" HEIGHT						
3	CO2 STORAGE	(N) TAYLOR WHARTON NOVO-600, CO2 CRYOGENIC STORAGE TANK, 594 LB CAPACITY, 22" DIAMETER, EPOXY COATED, W/ (E) REMOTE FILL STATION						
4	EMERGENCY EYEWASH	(N) HAWS COMBINATION SHOWER AND EYE WASH UNIT, MODE 8336, CORROSION RESISTANT, EPOXY FINISHED SCH80 PVC CONSTRUCTION						
5	STRAINER	(E) TO REMAIN						
6	CIRCULATION PUMP	(E) PACO 20-80155-150101, FRAME 364TCZ, 40 HP, 230V, 3 PH, 1190 RPM						
7	VARIABLE FREQUENCY DRIVE	(E) SMART PUMP CONTROL SYSTEM (SPCS) SPCS040BC2, 40 HP, 230V						
8	FILTRATION	(N) EKO3 42175-1206-T-7, 42" DIAMETER X 74", 123 SQ FT FILTE AREA, 6" BACKWASH VALVE, 263 GPM BACKWASH FLOW RATE PER TANK, W/ PRESSURE AMPLIFICATION SYSTEM						
9	BACKWASH CONTROL	(N) BECSYS BECS7, AUTOMATIC BACKWASH CONTROL						
10	HEATING	(E) TWO (2) LOCHINVAR COPPERFIN II CPN1802, 3,600,000 BTUH INPUT, 85% EFFICIENCY						
11	CHEMICAL CONTROLLER	(E) BECSYS BECS5						
12	ACID METERING PUMP SYSTEM	(N) LMI SD43-88P-KSI, G-SERIES, ADJUSTABLE OUTPUT, 150 PSI, MAXIMUM 288 GALLONS ACID PER DAY						
13	CHLORINE METERING PUMP SYSTEM	(N) LMI SD43-88P-KSI, G-SERIES, ADJUSTABLE OUTPUT, 150 PSI, MAXIMUM 288 GALLONS CHLORINE PER DAY						
14	CO2 FEEDER	(N) EKO3 CO2 CONTROLLER						
	FLOW METER	(N) GF SIGNET 2551 INSERTION MAGMETER, 12" IRON SADDLE						

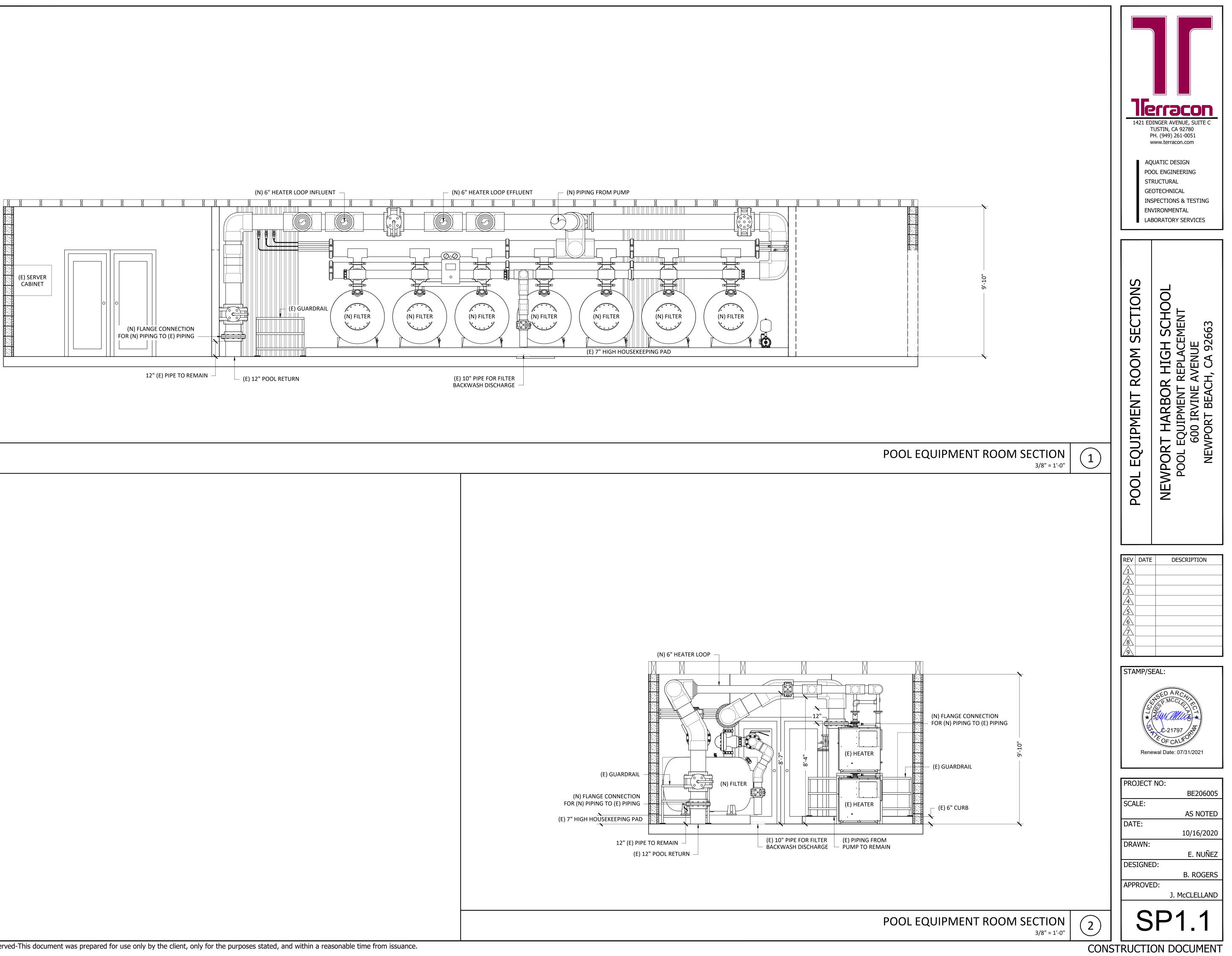
**ENGINEER OF RECORD FOR APPROVAL.** 

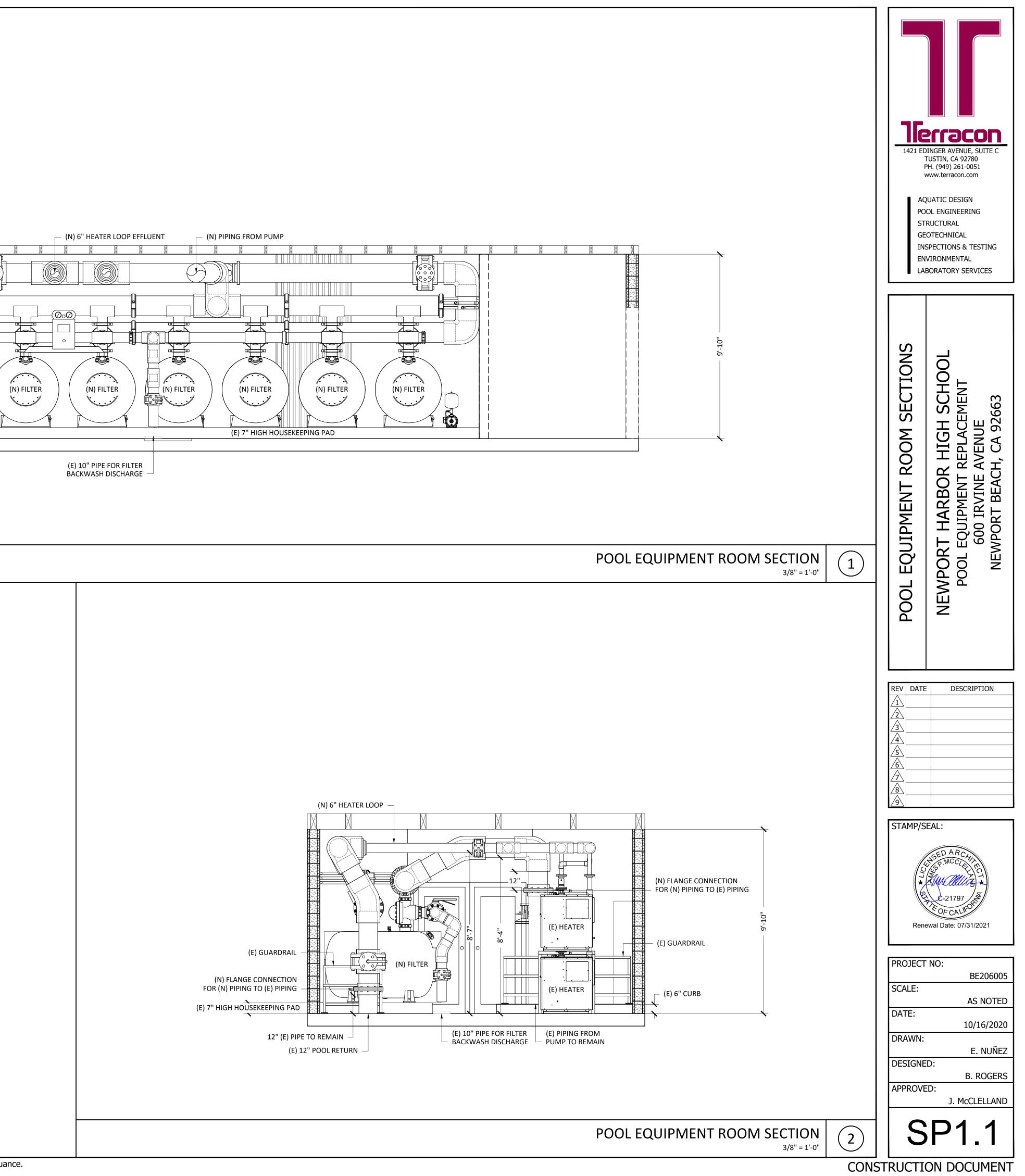


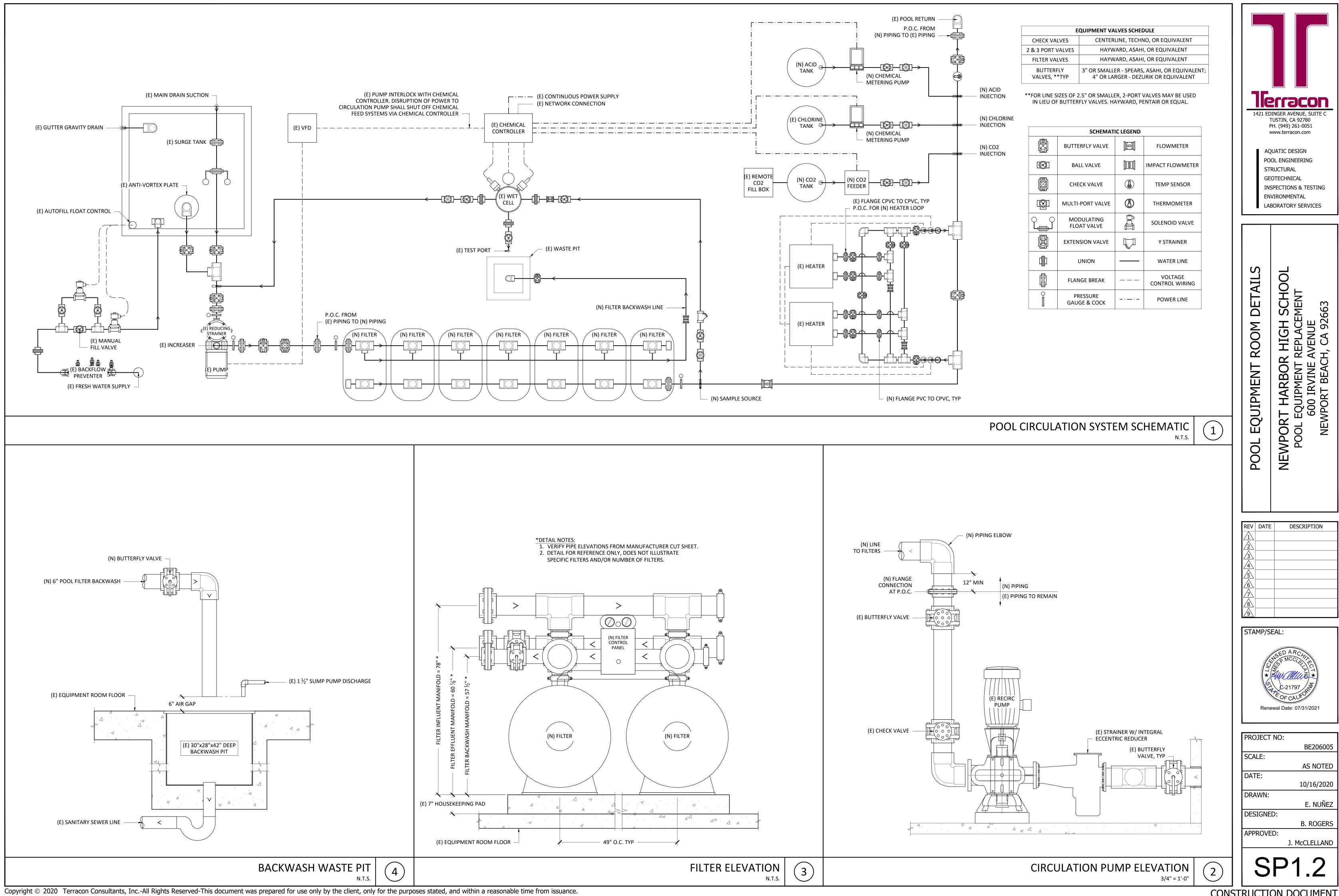


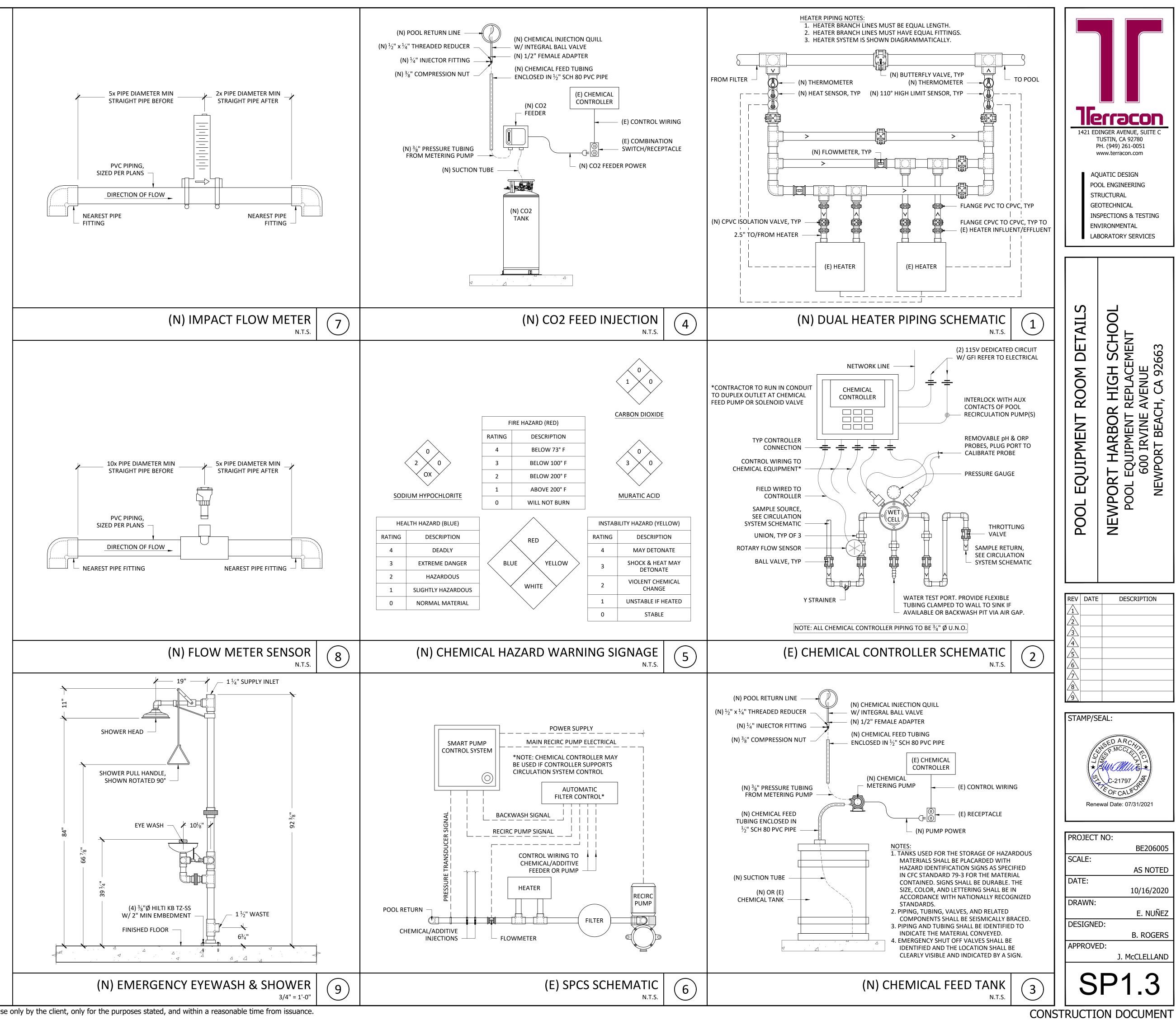
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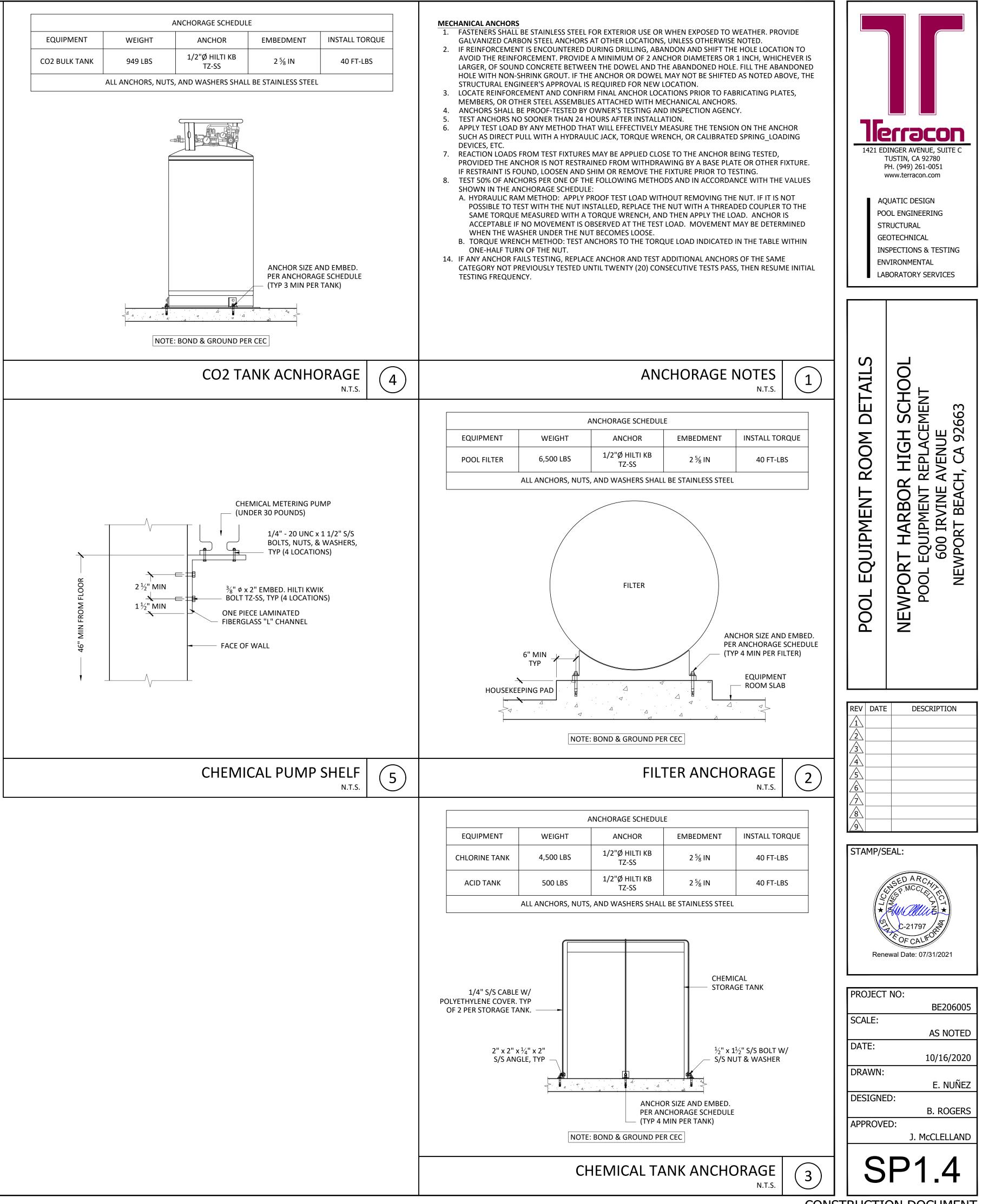
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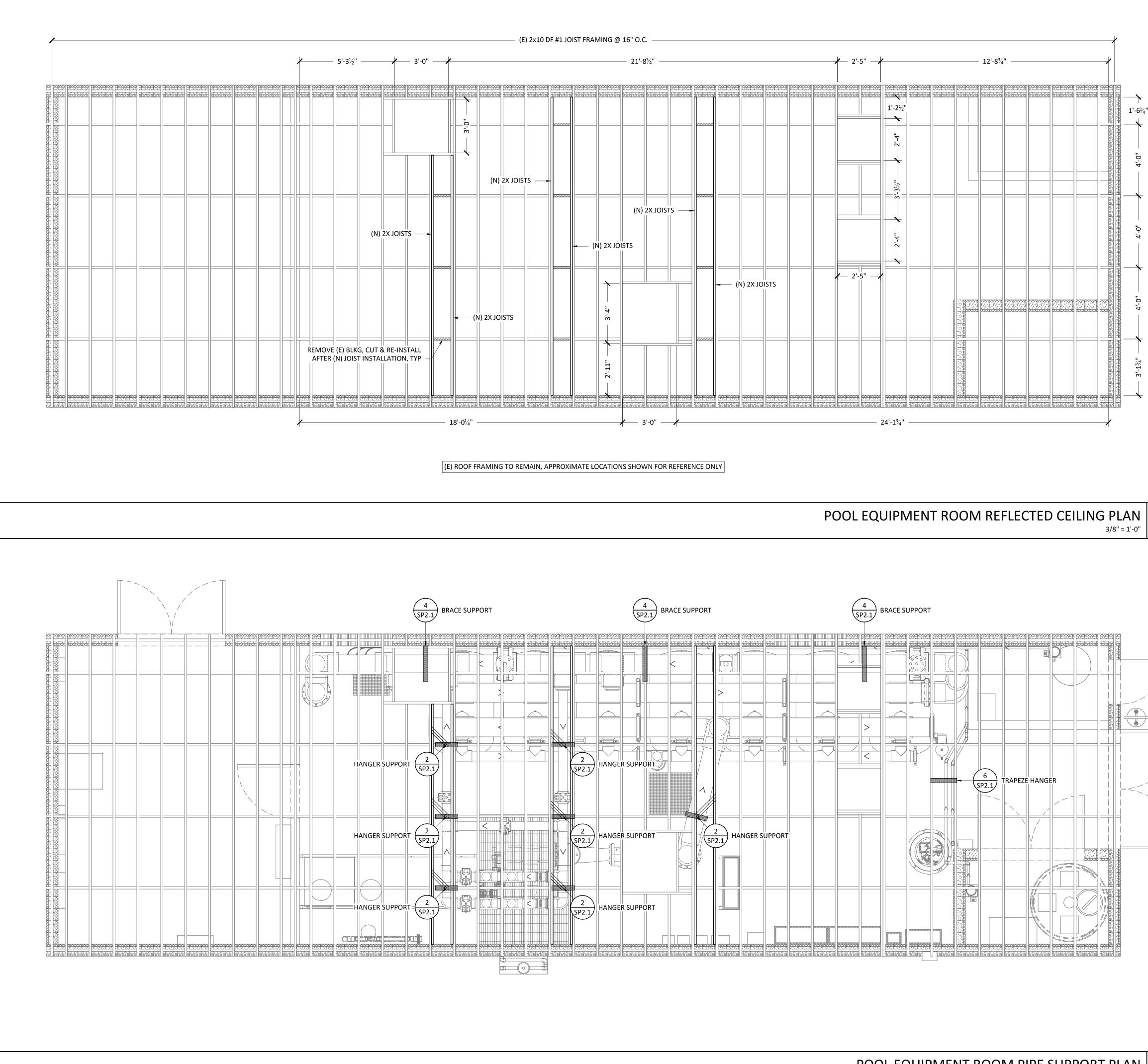




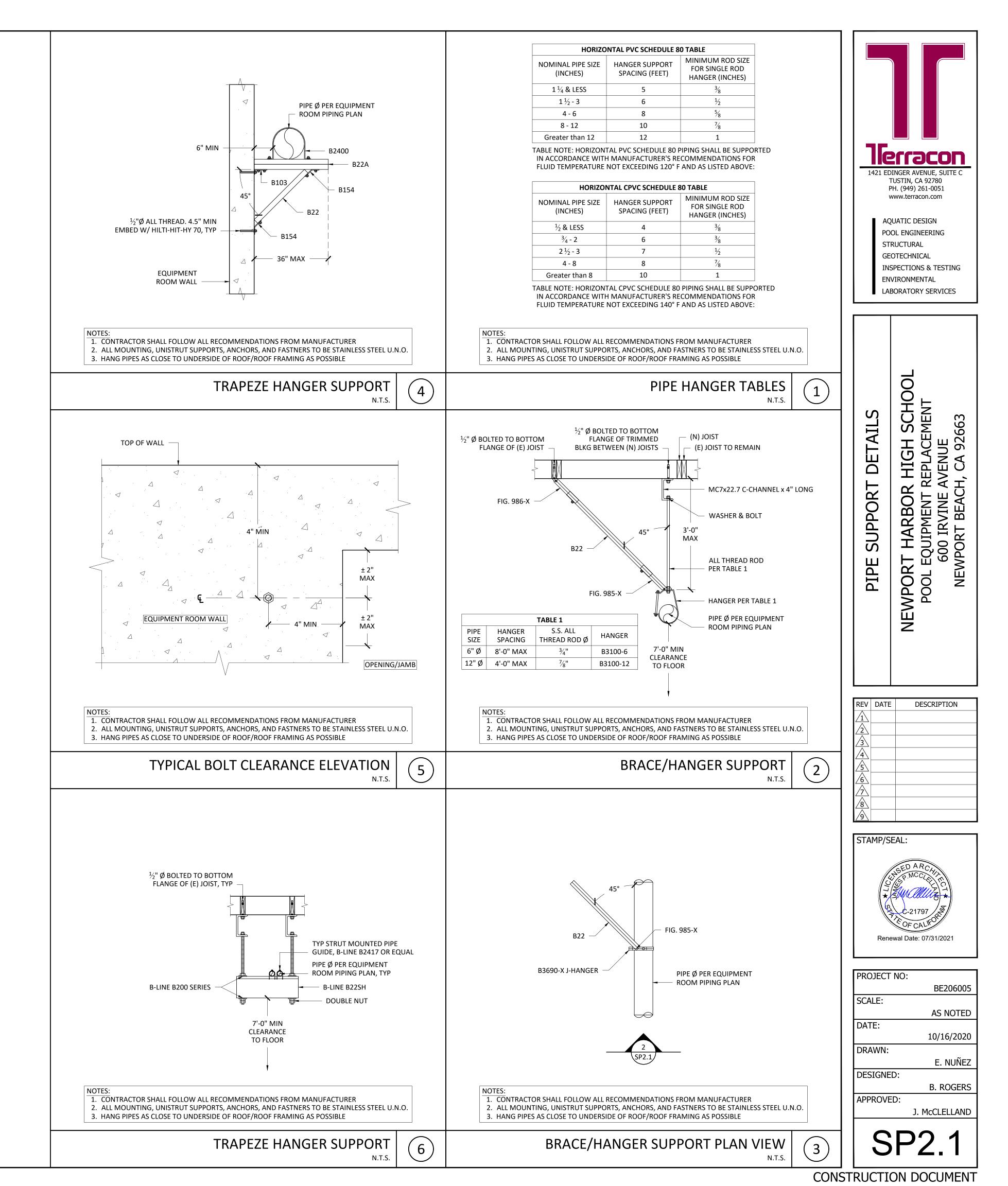


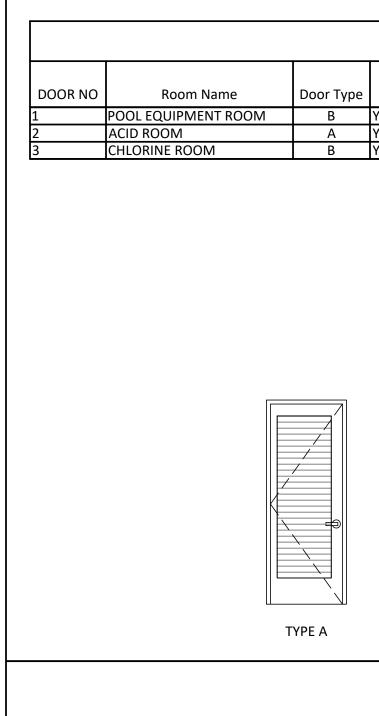


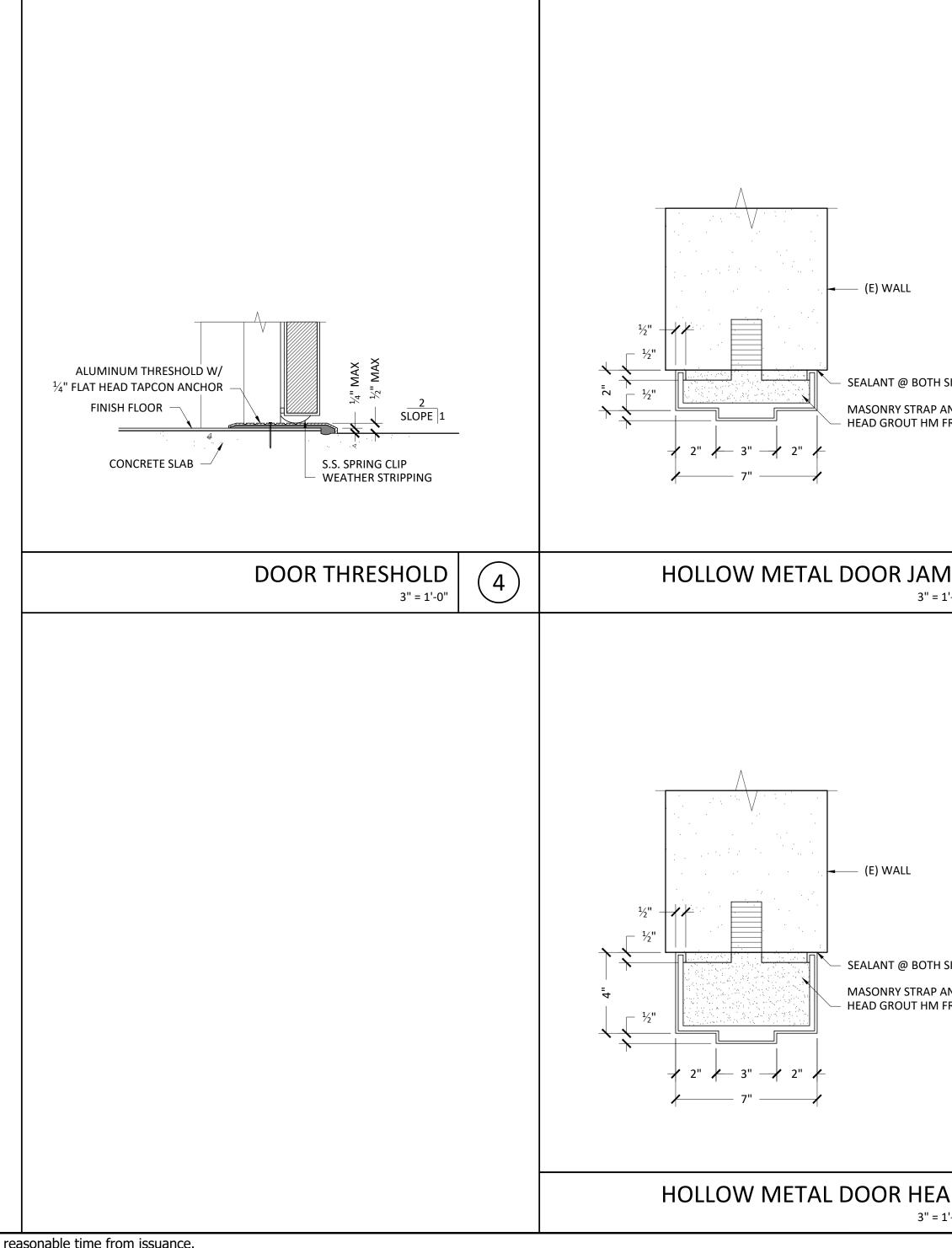




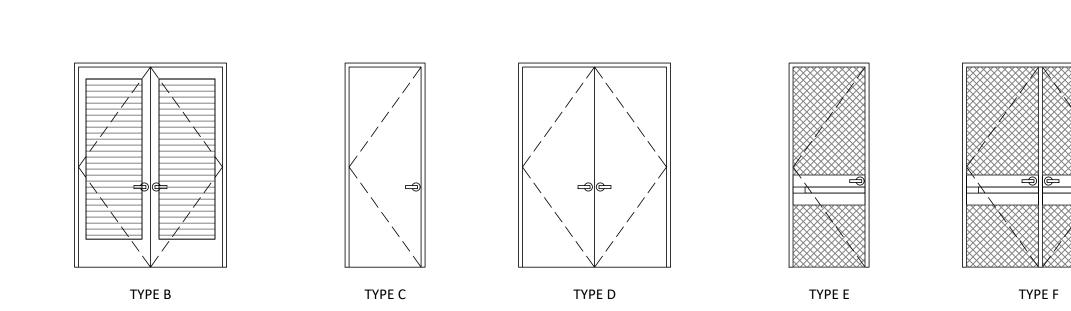
<ul> <li>DOUGLAS FIF</li> <li>2x STUDS, RA</li> <li>3x AND LARG</li> <li>4x BEAMS</li> <li>6x AND LARG</li> <li>NAILERS, BLG</li> <li>2x DECKING</li> <li>2x DECKING</li> <li>2x DECKING</li> <li>NON STRUCT</li> <li>ALL WOOD IN D AND ALL FASTEF</li> <li>STAINLESS STEE</li> <li>PROVIDE SOLID</li> <li>PROVIDE SOLID</li> <li>PROVIDE BLOCK</li> <li>JOISTS UNDER A</li> <li>THE MOISTURE 19%. THE MOIS SHALL BE LESS T</li> <li>HOLES FOR BOL DIAMETER AS TF</li> <li>HOLES FOR LAG THE UNTHREAD</li> <li>LAG SCREWS AN MAY BE USED TO</li> </ul>	GER BEAMS #1. DCKING CONSTRUCTION. SELECT DEX. TURAL BACKING, STRIPPING, FUR PIRECT CONTACT WITH EARTH OF NERS INTO PRESSURE TREATED V L, SILICON BRONZE OR COPPER. BLOCKING BETWEEN JOISTS AND CING AT ALL CEILING LEVELS. AND PARALLEL TO PARTITIONS SI CONTENT OF 2X MATERIAL AT T TURE CONTENT OF LUMBER 3X / THAN 19%. TS IN WOOD SHALL BE BORED W HE BOLT PLUS 1/16". SCREWS SHALL BE FIRST BORED DED SHANK, AND THE REST TO 5C ND WOOD SCREWS SHALL BE SCR O LUBRICATE SCREWS. LAG SCREWS SHALL BE PROVIDE CH BEAR ON WOOD. APPLIES AL	NG RULES #17. S #2. ATES #1. RING CONSTRUCTION. CONCRETE SHALL BE PRE WOOD SHALL BE HOT-DIPF D RAFTERS AT ALL SUPPOF HALL BE DOUBLED AND N/ IME OF INSTALLATION SH/ AND LARGER AT TIME OF I /ITH A BIT OF THE SAME N TO THE SAME DIAMETER % OF THE SHANK DIAMETER	SSURE TREATED PED GALVANIZED, RTS. ALLED TOGETHER. ALL BE LESS THAN NSTALLATION OMINAL AND DEPTH AS ER. NTO PLACE. SOAP UNDER HEADS	1421 ED F N AQ PO ST GE IN EN	DINGER AVENUE, SUITE C TUSTIN, CA 92780 PH. (949) 261-0051 WWW.terracon.com
BEFORE CLOSIN 12. FRAMING HARD HARDWARE AS INSTALLATION C OF ALL DETAIL F DESIGNATION F 13. NO UPSET THRE 14. FIELD CUTS AND ACCORDANCE V ALL NAILS FOR STF FOLLOWING MININ 8 100 100 SHORT 160 200 WHERE 200 HOLES SHALL B NOTED BELOW C 1 JOISTS OF 1 RAFTERS 2 STUDS TO BEARINGS	3" X 3" X 1/4" 3" A ILL BEARINGS 2x4 STUDS 4. AT ALL BEARINGS 2x6 & 2x8 STUDS 4. AT ALL BEARINGS 2x6 & 2x8 STUDS 5. LAPS OVER PARTITIONS	2" X 3/8" IED ON INSTALLATION ANI 3. 5 SIMPSON STRONG - TIE. OMPANY OR EQUIVALENT RE, THE CONTRACTOR SH, RE SUBSTITUTION IS PROP ATED WOOD SHALL BE PRO IEDULE DN WIRE NAILS CONFORM US THICKNESS OF SHEATH BOX NAILS - 0.148" DIAME D WALLS RY TO PREVENT SPLITTING UM OF TWO NAILS AT EAU	USE FRAMING C. PRIOR TO ALL SUBMIT A LIST OSED, THE DTECTED IN ING TO ING WALLS ETER x 4" AT 5. NAILING NOT	EQUIPMENT ROOM RCP & PIPE SUPPORT PLAN	NEWPORT HARBOR HIGH SCHOOL POOL EQUIPMENT REPLACEMENT 600 IRVINE AVENUE NEWPORT BEACH, CA 92663
6 ALL EXPOSED F	TO PARALLEL RAFTERS D SHANK NAILS FOR ALL FLOOR FASTENERS SHALL HAVE A ZINC-O ETAIL SHEET FOR OTHER NAIL RE	COATING CORROSION RES	3-16d	PROJECT SCALE: DATE: DRAWN: DESIGNE APPROVE	NO: BE206005 AS NOTED 10/16/2020 E. NUÑEZ D: B. ROGERS







DOOR TYPE 1/4" = 1



DOOR SCHEDULE											
SECURITY			Door			Frar	ne		HARDWARE		
DOOR	Width	Height	Thickness	Material	Finish	Material	Finish	Fire Rating	GROUP		Comments
YES	6' - 8"	7' - 0"	0' - 1 3/4"	H.M.	1	H.M.	H.M.	NR	HW-1	PROVIDE LOCKABLE HARDWARE	
YES	2' - 6"	7' - 0"	0' - 1 3/4"	H.M.	1	H.M.	H.M.	NR	HW-1	PROVIDE LOCKABLE HARDWARE	
YES	6' - 0"	7' - 0"	0' - 1 3/4"	H.M.	1	H.M.	H.M.	NR	HW-1	PROVIDE LOCKABLE HARDWARE	

	<ul> <li>FINISH NOTES:</li> <li>ENSURE THAT SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.</li> <li>PROVIDE PAINTED MINIMUM OF LEVEL 4 FINISH TO MEET ASTM C840 GYPSUM BOARD SURFACES U.O.N. PROVIDE LEVEL 5 FINISH WHERE REQUIRED BY MATERIALS INSTALLED OVER DRYWALL SUBSTRATE.</li> <li>ALL FINISHES SHALL BE PROTECTED DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED BY CONTRACTOR WITH NO COST TO OWNER</li> <li>FIRE EXTINGUISHER AND HOSE CABINETS, WHERE THEY OCCUR, SHALL RECEIVE SEMI-GLOSS SHEEN PAINT TO MATCH ADJACENT WALL SURFACE.</li> <li>PAINT BACK SIDES OF REMOVABLE ACCESS PANELS AND HINGED COVERS TO MATCH EXPOSED SURFACE. THERE IS TO BE NO BRUSH PAINTING AROUND EXISTING SIGNS, HARDWARE OR WALL MOUNTED ITEMS. REMOVE SUCH ITEMS PRIOR TO PAINTING AND REINSTALL AS REQUIRED.</li> <li>ALL CODE-REQUIRED LABELS SUCH AS "U.L.", FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, NAME, OR NOMENCLATURE PLATES SHALL REMAIN READABLE AND NOT PAINTED.</li> <li>PRIME AND PAINT ALL SPECIFIED SURFACES WITH A MINIMUM OF 2 COLOR COATS. DARKER COLORS TO RECEIVE MINIMUM OF 3-COATS FOR SUFFICIENT COVERAGE.</li> <li>ALL DOORS/FRAMES, TO BE PAINTED SHALL RECEIVE SEMI-GLOSS SHEEN PAINT</li> <li>NO PAINTING OR INTERIOR FINISHING SHALL BE DONE UNDER CONDITIONS WHICH JEOPARDIZE THE QUALITY OR APPEARANCE OF SUCH WORK.</li> </ul>	Inspections & testing Router and Aquatic design Pool engineering Structural Geotechnical Inspections & testing Environmental Laboratory services
ES 1'-0" SIDES, TYP ANCHOR 2 @ FRAME SOLID, TYP ΔΝ ΔΠ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	<ol> <li>INTERIOR GYPSUM WALLBOARD SURFACES SHALL BE WIPED WITH DAMP CLOTH JUST PRIOR TO APPLICATION OF THE FIRST COAT, IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED DURING THE SANDING PROCESS. CRACKS, HOLES OR IMPERFECTIONS IN PLASTER OR WALLBOARD SHALL BE FILLED WITH THE PROPER PATCHING COMPOUND FOR THAT MATERIAL.</li> <li>CLEANING AND RETOUCHING:         <ol> <li>AT COMPLETION OF PAINTING, ALL PAINT MATERIALS AND EQUIPMENT SHALL BE REMOVED, ALL PAINT SPOTS REMOVED AND ALL AREAS THOROUGHLY CLEANED. ANY DIRT OR DEBRIS CAUSED BY WORK SHALL BE CLEANED UP AS WORK PROGRESSES.</li> <li>RETOUCH OR REFINISH PAINTED SURFACES DAMAGED BY SUBSEQUENT WORK AS DIRECTED BY GENERAL CONTRACTOR. THE COST OF SUCH WORK SHALL BE BORNE BY THE TRADE RESPONSIBLE FOR THE DAMAGE.</li> </ol> </li> <li>BEFORE INSTALLATION OF FLOOR AND BASE MATERIALS, VERIFY THAT SUB-SURFACE IS SMOOTH, LEVEL AND FREE FROM DEFECTS WHICH WOULD AFFECT THE INSTALLATION. DO NOT PROCEED WITH WORK UNTIL DEFECTS WHICH WOULD AFFECT THE INSTALLATION. DO NOT PROCEED WITH WORK UNTIL DEFECTS WHICH WOULD AFFECT THE INSTALLATION. DO NOT PROCEED WITH WORK UNTIL DEFECTS MAVE BEEN CORRECTED. THOROUGHLY CLEAN SUB-FLOOR PRIOR TO INSTALLATION OF THE FINISH FLOOR.</li> </ol> <li>ALL FINISHES TO BE CLASS A FLAME SPREAD ACCORDING TO ASTM E84.</li> <li>GC RESPONSIBLE FOR PROVIDING STORAGE FOR NEW AND SALVAGED PRODUCT, AND MOVING GEN. AS NEEDED FOR CONSTRUCTION.</li> <li>CONTRACTOR TO PROVIDE MANUFACTUREN'S WARRANTY USE AND CARE MANUALS FOR ALL FINISH PRODUCTS. FOR WHITEBOARD FINISHES, PROVIDE CLEANING KIT.</li> <li>ALL ADHESIVES, SEALANTS AND CAULFORNIA CODE OF REGULATIONS TITLE 17 FOR AEROSOL ADHESIVES. (CALGREEN 5.714.4.4.1)</li> <li>ALL PAINTS AND COATINGS ARE TO COMPLY WITH VOC LIMITS IN THE AIR RESOURCES BOARD ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE AND CALIFORNIA CODE REGULATIONS TITLE 17 FOR AEROSOL PAINTS (5.504.4.3)</li>	Image: Second state sta
SIDES, TYP ANCHOR 2 @ FRAME SOLID, TYP		STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: ARCLELLAND STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: STAMP/SEAL: SED ARCLING SCALE: AS NOTED DATE: 10/16/2020 DRAWN: E. NUÑEZ DESIGNED: B. ROGERS APPROVED: J. McCLELLAND
AD 1'-0" 3		