

EXHIBIT AI

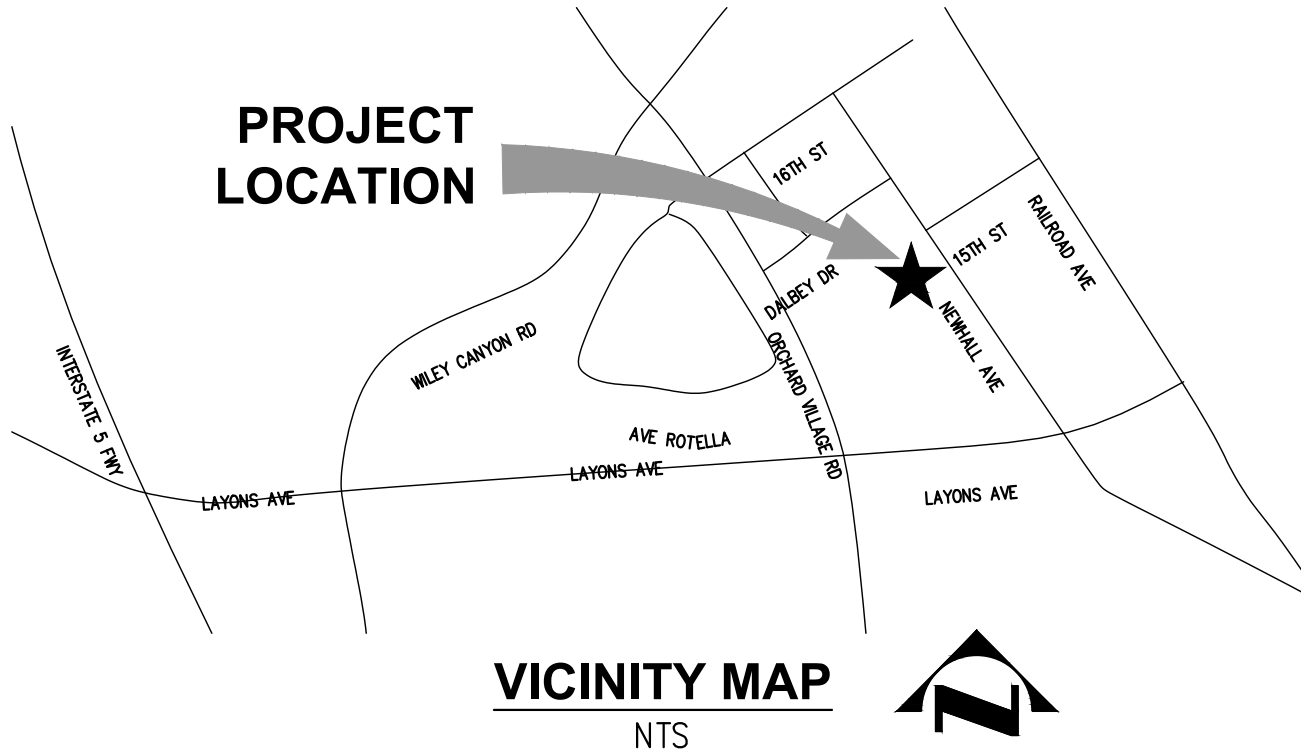
NEWHALL PARK POOL

TEMPORARY POOL RECIRCULATION PLAN

100% CONSTRUCTION DOCUMENTS



SITE PLAN
1"=20'



CONTACTS:

CLIENT

CITY OF SANTA CLARITA
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CONTACT: KATIE KNYBEL
PROJECT MANAGER
PARKS PLANNING AND OPEN SPACE

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CONTACT: ZIRANG SONG, P.E.

SCOPE OF WORK:

TEMPORARY RECIRCULATION PLAN DURING CONSTRUCTION

NO.	BY	DATE	REVISIONS	DATE	APP.



PREPARED BY ZIRANG SONG	PROJECT ENGINEER R.C.E. NO. — # 69315	SCALE AS SHOWN	DATE 08/2025
EXP. 06/30/2026	DRAWN E.C.	DESIGNED E.C.	CHECKED Z.S.

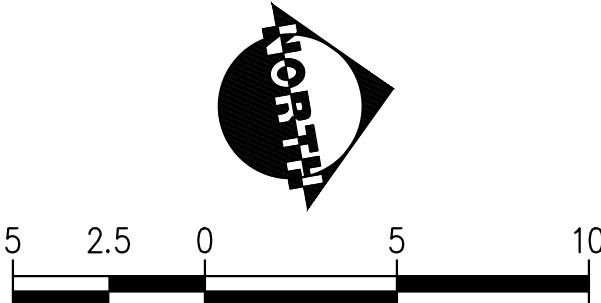
TITLE	TITLE SHEET
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C258	NEWHALL PARK POOL TEMPORARY RECIRCULATION PLANS	SANTA CLARITA	CA
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17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
P: (714) 481-7300 | www.pacewater.com

SHEET	G1.0
01 OF 06 SHEETS	JOB NO. C258

Xrefs: C258 Titleblock.dwg; C258 Survey Basefile.dwg
Dimscale = 1; Ltscale = 1; PSLtscale = 1; ACAD Ver. = 23.0s (LMS Tech); Visretain = 1



_____ W _____	POTABLE WATER
_____ E _____	ELECTRICAL SERVICE
_____	TEMPORARY DISCHARGE PIPING
	FLOW ARROW

3. THESE DRAWINGS ARE FOR THE TEMPORARY RECIRCULATION OF THE POOL DURING THE PUMP ROOM RENOVATION. FOR INFORMATION FOR THE PUMP ROOM RENOVATION, SEE "NEWHALL PARK POOL PUMP ROOM BUILDING RENOVATION PLANS 100% CONSTRUCTION DOCUMENTS."
4. THE PURPOSE OF THE SYSTEM IS TO RUN 24/7 DURING THE ENTIRE PERIOD OF CONSTRUCTION UNTIL THE PERMANENT RECIRCULATION IS UP AND RUNNING, THIS INCLUDES NIGHTS AND WEEKENDS.
5. CONTRACTOR SHALL INCLUDE PROPER SIGNAGE AND BARRIER AROUND THE POOL TO DETER ANYONE FROM ENTERING THE POOL. IF ENTERING THE POOL IS NECESSARY FOR ANY REASON, CONTRACTOR SHALL DISCONNECT THE SUBMERSIBLE PUMPS AND REMOVE FROM THE POOL.
6. CONTRACTOR TO ENSURE THAT THE TEMPORARY RECIRCULATION IS UP AND RUNNING PRIOR TO THE START OF DEMOLITION AND IS RESPONSIBLE FOR COORDINATING ALL NECESSARY WORK.
7. CONTRACTOR SHALL LOWER THE WATER LEVEL BY 4-INCHES TO KEEP ANY WATER FROM FLOWING INTO THE RIM GUTTER SYSTEM.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH, INSTALL, AND MAINTAIN ALL TEMPORARY RECIRCULATION EQUIPMENT DURING THE CONSTRUCTION DURATION AND ALSO TO DEMOLISH AND DISPOSE OF THE TEMPORARY RECIRCULATION EQUIPMENT ONCE CONSTRUCTION IS DONE. AT THE OPTION OF THE CITY, THE SUBMERSIBLE PUMPS SHALL BE PROVIDED TO THEM FOR THEIR FUTURE USE.
9. CONTRACTOR TO ENSURE THAT TEMPORARY PIPING DOES NOT POSE AS A TRIP HAZARD.

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE POOL'S WATER QUALITY IS AT THE CORRECT RANGES. THIS INCLUDES THE SUPPLY OF ALL NECESSARY CHEMICALS, DOSING, AND DAILY TESTING AND DOCUMENTATION. ANY DEVIATIONS FROM THE FOLLOWING PARAMETERS MAY BE DETRIMENTAL TO THE PLASTER QUALITY:

- CSI: -0.3 TO 0.3
- pH: 7.2 TO 7.8
- CALCIUM HARDNESS: 300 TO 600 PPM
- TOTAL ALKALINITY: 80 TO 120 PPM
- FREE CHLORINE: 1 TO 3 PPM

1. ALL TEMPORARY PIPING SHALL BE SCH 40 PVC FOR ALL SIZES.
2. ALL VALVES SHALL BE ROTATED/ORIENTED PER MANUFACTURE'S RECOMMENDATIONS.
3. CONTRACTOR TO PROVIDE TEMPORARY PIPE SUPPORTS BY UTILIZING SANDBAGS OR OTHER TEMPORARY WEIGHTS WITHOUT DRILLING INTO THE EXISTING CONCRETE DECK.

- 1 SUBMERSIBLE PUMP PER "LITTLE GIANT" MODEL 10EC-CIM, 1/2 HP, 120V, 1ø, 65 GPM AT 6 FEET TDH, 20 FT CORD OR APPROVED EQUIVAL (3 PLCS), PROVIDE WITH CHAIN ACCESSIBLE FROM THE DECK TO LIFT THE SUBMERSIBLE PUMP OUT OF THE WATER
- 2 TEMPORARY POOL AUTOFILL SYSTEM PER "POOL AUTO FILL" WITH WEIGHTED PILLLOW OR APPROVED EQUAL, INSTALLATION LOCATION SHALL BE FIELD DETERMINED
- 3 3/4" HOSE CONNECTED TO THE POTABLE WATER SUPPLY
- 4 SANDBAG TO WEIGH DOWN PIPES AND AS PIPE SUPPORT
- 5 TEMPORARY PVC SCH 40 RECIRCULATION PIPELINE #1
- 6 TEMPORARY PVC SCH 40 RECIRCULATION PIPELINE #2
- 7 TEMPORARY PVC SCH 40 RECIRCULATION PIPELINE #3

SITE PLAN
SCALE: 1"=5'-0"

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DISCHARGE POINT INSTALLATION



DRAWN E.C.		SCALE AS SHOWN
DESIGNED E.C.		
CHECKED Z.S.	DATE 08/2025	

GENERAL DETAILS

NEWHALL PARK POOL TEMPORARY RECIRCULATION PLANS

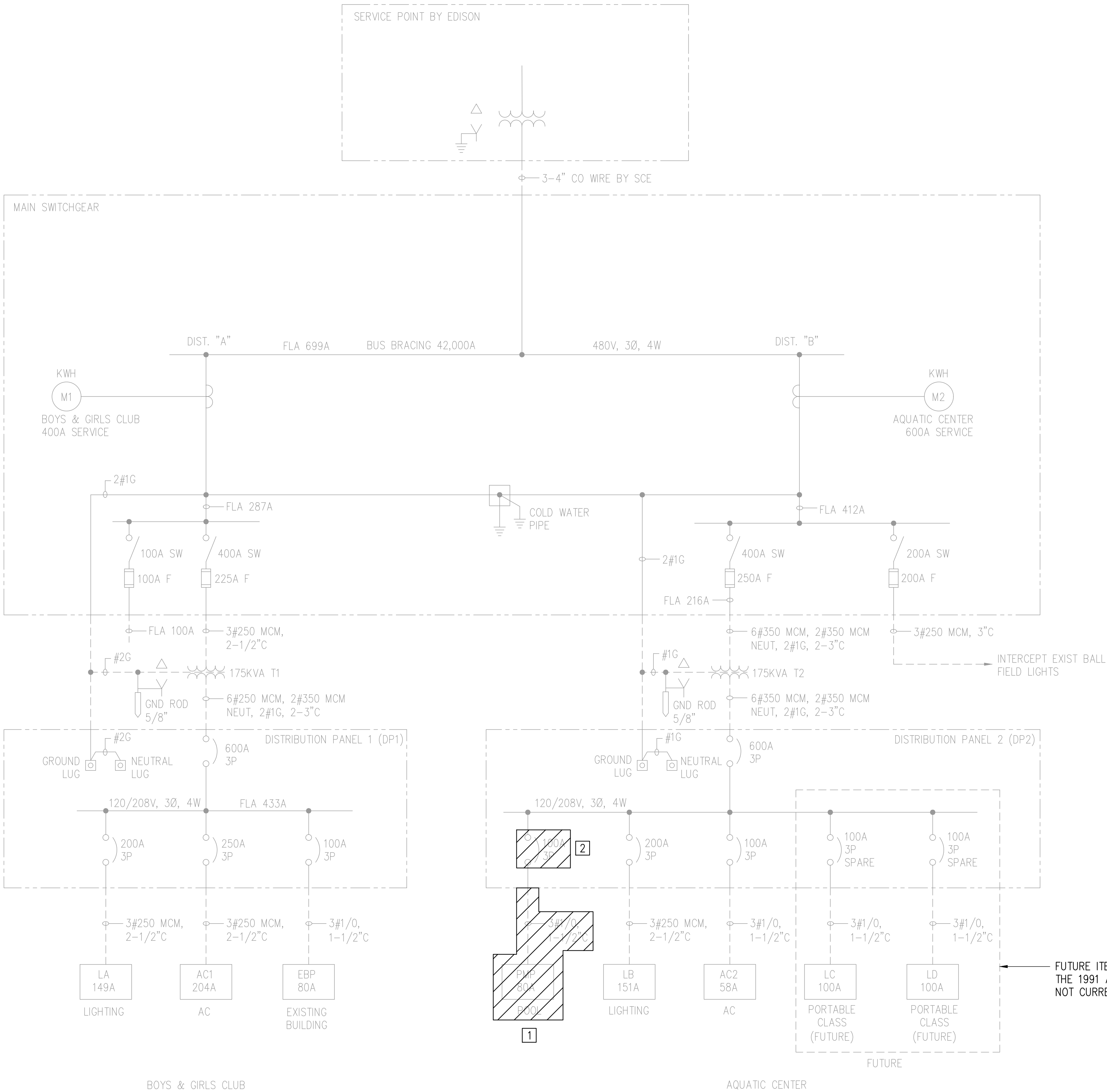
SANTA CLARITA
CA



SHEET
C2.0
 03 OF 06 SHEETS
 JOB NO. C258

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SINGLE LINE DIAGRAM DEMO
NTS

CONSTRUCTION NOTES:

- 1 REMOVE EXISTING PANEL "PMP" AND ASSOCIATED POWER CONDUIT/FEEDER CABLES AND DISPOSE.
- 2 USE THE EXISTING CIRCUIT BREAKER TO POWER THE TEMPORARY 100A SPIDER BOX. REMOVE THE CIRCUIT BREAKER AND REPLACE PER SHEET E1.0 WHEN THERE IS NO LONGER NEED FOR TEMPORARY POWER.
- 3 EXISTING POOL DECK LT POLE RECEPTACLES TO BE REPLACED. SEE SHT E1.0.
- 4 CONTRACTOR TO CONFIRM THE WET NICHE FORMING SHELL IS NON-METALLIC, OTHERWISE REPLACE ALL POOL NICHE LIGHTS TO METALLIC. EXISTING OR NEW POOL LIGHTS TO BE TRANSFERRED TO PROPOSED LIGHTING CONTROL PANEL (LCP-A).
- 5 EXISTING POOL DECK POLE-MTD LIGHT FIXTURES TO BE REMOVED AND REPLACED PER SHEET E2.0.
- 6 EXISTING SUMP PUMP TO REMAIN IN PLACE. TRANSFER TO REPLACEMENT PANEL-PMP, SEE SHT E1.0.
- 7 EXISTING EQUIPMENT TO BE REMOVED, SEE MECH DEMO PLANS. REMOVE ALL ANCILLARY ELECTRICAL COMPONENTS AND RETURN MAJOR ITEMS SUCH AS PANELS, CONTROLLERS, ETC. TO OWNER. DISPOSE OF MINOR ITEMS SUCH AS CONDUITS, WIRING, ETC.
- 8 CONTRACTOR TO VERIFY LOADS BEFORE DEMOLISHING AND NOTIFY ENGINEER OF RECORD IF ANY DISCREPENCIES FOUND.

NOTES:

1. FADED BACK ITEMS ARE EXISTING TO BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.
2. SINGLE LINE DIAGRAM HAS BEEN GENERATED FROM AS-BUILTS DATED SEPTEMBER 1991 BY DESCO ELECTRIC. CONTRACTOR TO CONFIRM AND NOTIFY ENGINEER OF RECORD IF ANY DISCREPENCIES FOUND.
3. NOT ALL ITEMS TO BE DEMO'D ARE SHOWN ON THIS SHEET. SEE REST OF PLAN SET FOR ADDITIONAL DEMO DETAILS.

EXISTING PANEL-PMP										
VOLTAGE:		VOLT AMPS							MAIN BKR:	
120/240 VAC									80	A
LOAD DESCRIPTION		VA	CB	BKR	PHASE A	PHASE B	BKR	CB	VA	LOAD DESCRIPTION
[REDACTED]			30/1	1	0		2	20/1		[REDACTED]
[REDACTED]			20/2	3	0		4	20/1		SPARE
[REDACTED]			20/1	7		0	8	20/1		[REDACTED]
[REDACTED]				9	0		10	20/1		[REDACTED]
SPARE			20/1	11		0	12	20/1		[REDACTED]
POOL LIGHTS (EAST)		15/1	13		0		14	20/1		[REDACTED]
[REDACTED]		20/1	15		0		16	20/1		[REDACTED]
SPARE		20/1	17	0			18	20/1		[REDACTED]
POOL LIGHTS (WEST)		15/1	19		0		20	20/1		[REDACTED]
SPARE			21	0			22	20/1		[REDACTED]
[REDACTED]			23		0		24	20/1		[REDACTED]
SPACE			25				26			[REDACTED]
SPACE			27				28	20/2		[REDACTED]
SPACE			29				30			[REDACTED]
					PHASE A	PHASE B				"SPACE"
VA/PHASE (SUBTOTAL)									1Ø, 3W	
AMPS/LEG (SUBTOTAL)										
VA (SUBTOTAL)										
25% OF LARGEST INDUCTIVE LOAD										
GRAND TOTAL (AMPS)										* INDICATES LOAD CALCULATED AT 125%
PERCENT CAPACITY										

PREPARED BY
BASHAR ISHAQ
PROJECT ENGINEER
R.C.E. NO. -- # E24590
EXP. 06/30/2027

DRAWN
JR
SCALE
AS SHOWN
DESIGNED
BJ
CHECKED
BJ

DATE
08/2025

NO

BY

DATE

REVISIONS

DATE

APP.

REGISTERED PROFESSIONAL ENGINEER
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E 24590
EXP. 06/30/27
ELECTRICAL
STATE OF CALIF.

PREPARED BY
BASHAR ISHAQ
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R.C.E. NO. -- # E24590
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REGISTERED PROFESSIONAL ENGINEER
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ELECTRICAL
STATE OF CALIF.

SINGLE LINE
DIAGRAM DEMO

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

SANTA CLARITA CA

PACE

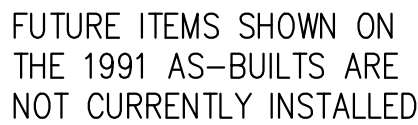
Advanced Water Engineering

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SHEET
E1.0D
04 OF 06 SHEETS

JOB NO. C258


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Xrefs: C258 Titleblock_ELEC.dwg
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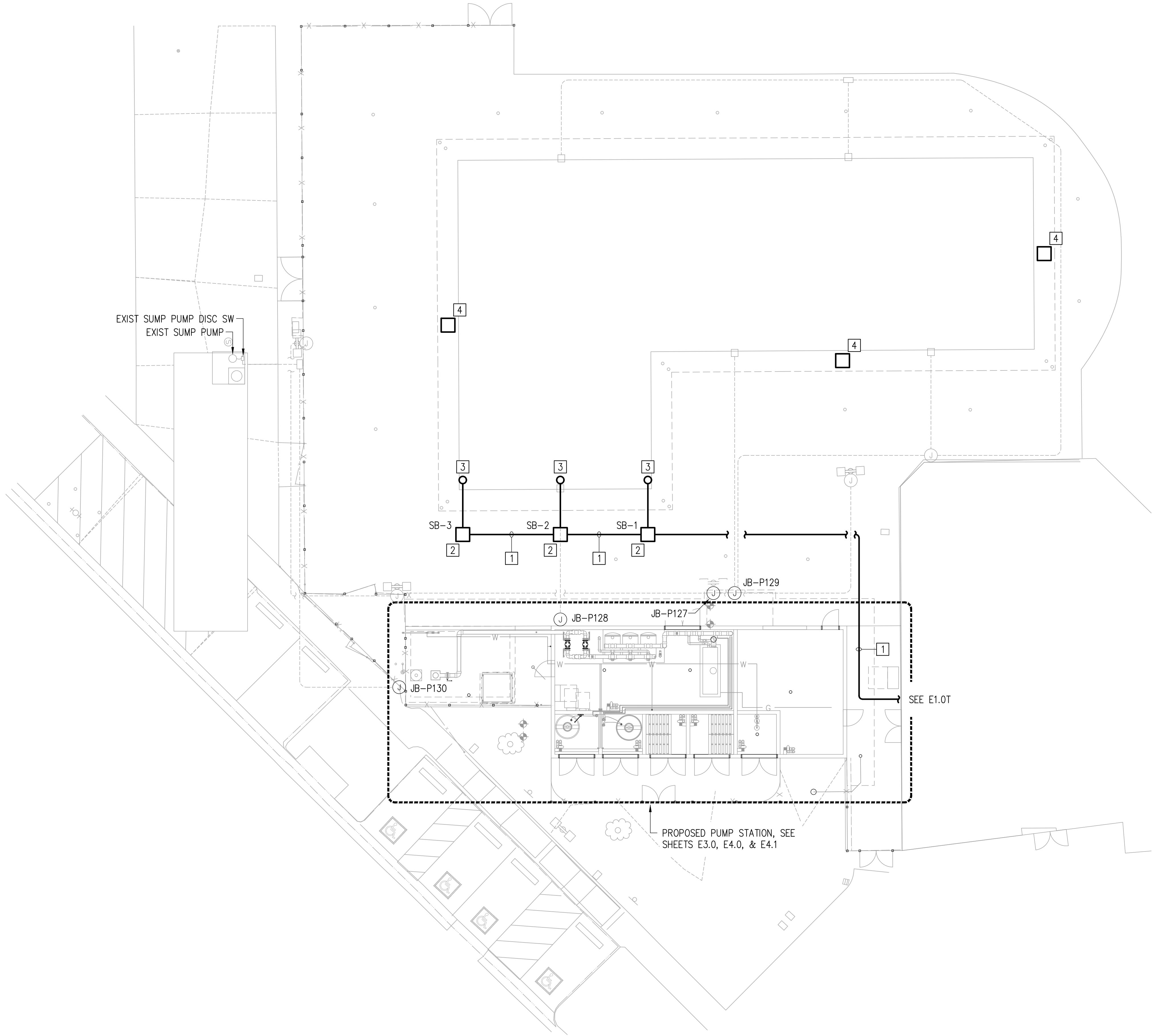


- 1 PROVIDE, INSTALL, AND SECURE IN PLACE A 100A, 208/120V, NEMA 3R SPIDER BOX. ALL 120V RECEPTACLES MUST BE GFCI. INSTALL 6 FT AWAY FROM POOL.
- 2 INSTALL SOOW CABLE (2 AWG) PROTECTED IN HEAVY-DUTY CABLE PROTECTOR (POWER RAMP).

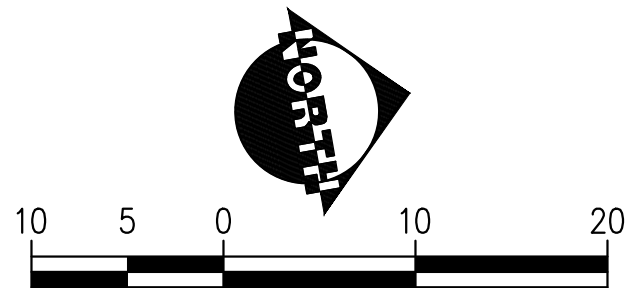
1. FADED BACK ITEMS ARE EXISTING TO BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.
2. SINGLE LINE DIAGRAM HAS BEEN GENERATED FROM AS-BUILTS DATED SEPTEMBER 1991 BY DESCO ELECTRIC. CONTRACTOR TO CONFIRM AND NOTIFY ENGINEER OF RECORD IF ANY DISCREPANCIES FOUND.
3. EXISTING SUMP PUMP IS UNKNOWN AT THIS TIME. LOADS ARE ESTIMATED AT 80% OF THE EXISTING BREAKER SIZES.

EXISTING DISTRIBUTION PANEL 2 (DP-2) LOAD SUMMARY (600A MCB @208V)		
LOAD DESCRIPTION	CONNECTED (AMPS)	ACTIVE (AMPS)
TEMPORARY SUBMERSIBLE POOL PUMPS	29.4	29.4
EXISTING PANEL-LB	151	151
EXISTING PANEL-AC2	58	58
SUBTOTAL	238.4	238.4
25% LARGEST MOTOR LOAD	11.55	11.55
GRAND TOTAL (AMPS)	250.0	250.0
% CAPACITY		41.7%

 PACE Advanced Water Engineering 17520 Newhope Street, Suite 200 Fountain Valley, CA 92708 P: (714) 481-7300 www.pacewater.com	C258 NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD) SANTA CLARITA CA	TITLE	SINGLE LINE DIAGRAM PROPOSED TEMPORARY POWER		PREPARED BY BASHAR ISHAQ PROJECT ENGINEER R.C.E. NO. — # E24590 EXP. 06/30/2027	E 24590 EXP. 06/30/27	NO.	BY	DATE	REVISIONS	DATE	APP.
		DRAWN	SCALE	CHECKED	DATE							
		DESIGNED	AS SHOWN									
		BI	JR	BI	08/20/25							
SHEET		E1.0T										
05 OF 06 SHEETS												
JOB NO.										C258		



ELECTRICAL SITE PLAN TEMPORARY POWER
SCALE: 1"=10'-0"



CONSTRUCTION NOTES:

- 1. INSTALL SOOW CABLE (2 AWG) PROTECTED IN HEAVY-DUTY CABLE PROTECTION (POWER RAMP).
- 2. PROVIDE, INSTALL, AND SECURE IN PLACE A 100A, 208/120V, NEMA 3R SPIDER BOX. ALL 120V RECEPTACLES MUST BE GFCI. INSTALL 6 FT AWAY FROM POOL.
- 3. 1/2 HP SUBMERSIBLE PUMP, PER LITTLE GIANTS MODEL "10EC-CIM", 120V WITH 20' CORD.
- 4. CONTRACTOR TO SET UP WARNING SIGNS "DO NOT ENTER THE POOL".

NOTES:

- 1. GROUND AND BOND ALL EQUIPMENT AND ENCLOSURES PER MANUFACTURER REQUIREMENTS AND NEC 250.
- 2. LAYOUT OF EXISTING CONDUITS/J-BOXES SHOWN ARE APPROXIMATED FROM AS-BUILTS DATED FEBRUARY 1992 BY JONES AND MADHAVEN. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IF ANY DISCREPANCIES FOUND.
- 3. LABEL ABOVEGROUND CONDUITS PER DETAIL "C" SHEET E7.0.
- 4. TYPICAL CONDUIT TRANSITIONS/STUB-UPS PER DETAILS "A, B, C" SHEET E7.1.

LEGEND:

- POLE-MTD. DUAL FLOOD LIGHTS, 3-WAY FIELD ADJUSTABLE, 140/100/70W, 3000K/4000K/5000K ADJUSTABLE COLOR TEMP, TRUNNION-MTD, 120V, 1PH, MFR: RAB, PN X17-XFU-140-T (OR APPROVED EQUAL). EXISTING POLE, TYP 2 LIGHTS PER POLE.
- EXISTING JUNCTION BOX.
- LISTED POOL NEMA 4X JUNCTION BOX, SEE DETAIL "F" SHEET E7.1.
- 120V, 1PH, GFCI WEATHER RESISTANT RECEPTACLE.

C258		NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD)		SANTA CLARITA CA		P 17520 Newhops Street, Suite 200 Fountain Valley, CA 92708 P: (714) 481-7300 www.pacewater.com		SHEET E2.0T		JOB NO. C258	
PREPARED BY BASHAR ISHAQ PROJECT ENGINEER R.C.E. NO. — # E24590 EXP. 06/30/2027		DRAWN JR SCALE AS SHOWN		DESIGNED BJ CHECKED BJ		DATE 08/2025		LICENSED PROFESSIONAL ENGINEER BASHAR ISHAQ E 24590 EXP. 06/30/27 STATE OF CALIF.		NO. BY DATE	
TITLE ELECTRICAL SITE PLAN TEMPORARY POWER		DATE 08/2025		REVISIONS		DATE APP.					

EXHIBIT AII

NEWHALL PARK POOL

PUMP ROOM BUILDING RENOVATION PLANS

100% CONSTRUCTION DOCUMENTS

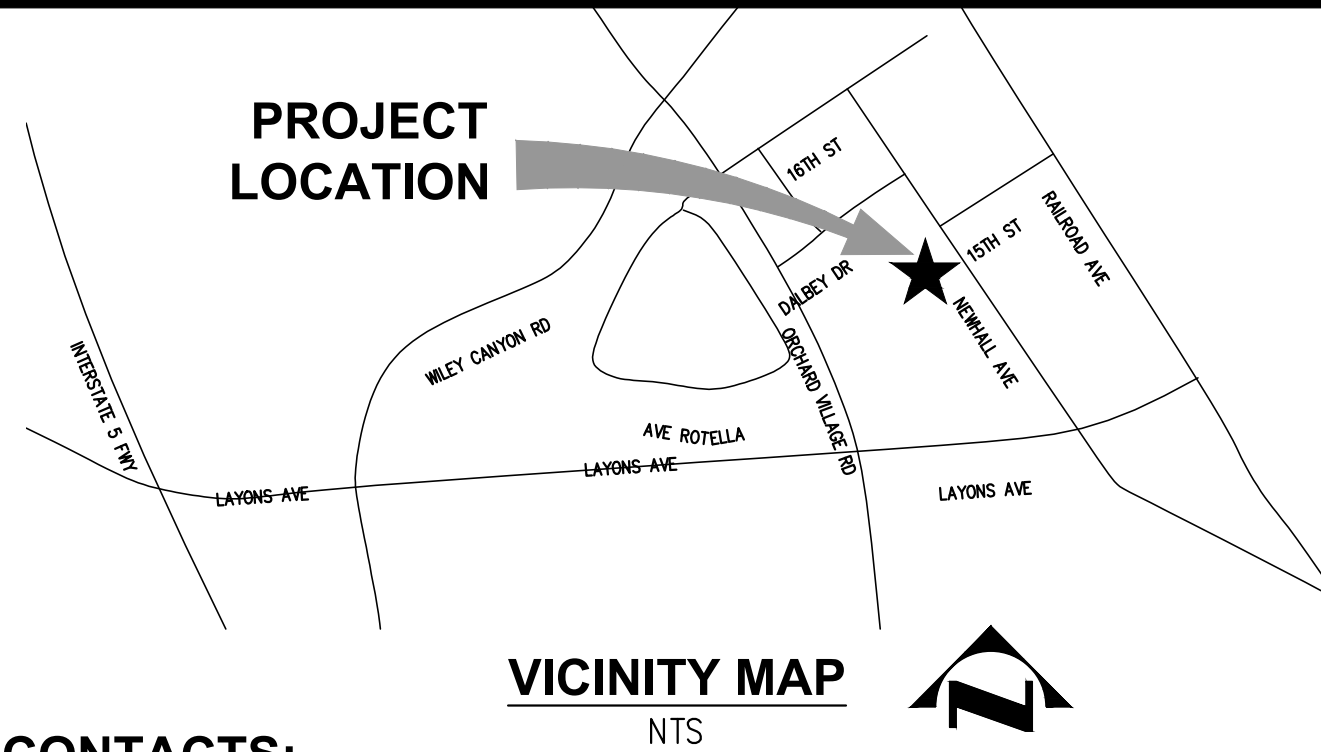


IN ACCORDANCE WITH RESOLUTION NO. 19-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, RELATING TO THE CITY ENGINEER'S REVIEW OF THE CITY OF SANTA CLARITA'S REQUEST FOR PROPOSALS TO THE DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, CITY ENGINEER, HAS REVIEWED THE PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT OF REVIEW AND DATE IS APPLIED.		REVIEWED BY: <i>[Signature]</i> 10/01/2025		APPROVED FOR CONSTRUCTION BY: <i>[Signature]</i> 10/02/2025		APPROVED FOR CONSTRUCTION BY: <i>[Signature]</i> 10/02/2025	
PM - DESIGN	EXECUTION DATE	PM - CONSTRUCTION	EXECUTION DATE	JERRID MCKENNA	EXECUTION DATE	DAMON LETZ	EXECUTION DATE
				NEIGHBORHOOD SERVICES DIRECTOR		CITY ENGINEER	

DATE
SM

DATE
ADEP

SITE PLAN
1"=20'



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CONTACT: MICHAEL KREMER

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CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
Under SCMC Titles
16, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen



BLD25-00576 (ARCH)

The approved plans must be available at the construction site at all times. Changes or alterations to approved plans shall not be made without written permission from the City of Santa Clarita Building & Safety Division. The approval of these plans shall not be construed to permit or approve any violation of the applicable codes, ordinances, or other laws.

PACE
Advanced Water Engineering
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P: (714) 481-7300 | www.pacewater.com

REVIEWED BY:	EXECUTION DATE
PM - DESIGN	
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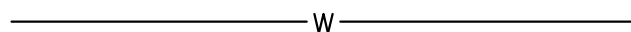
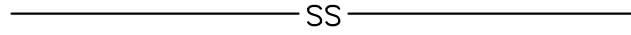
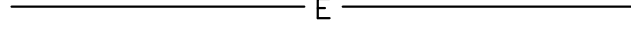
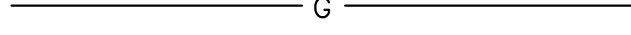
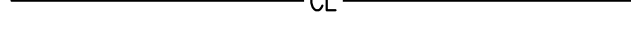
PREPARED BY ZIRANG SONG PROJECT ENGINEER R.C.E. NO. -- # 69315 EXP. 06/30/2026	DRAWN J/P SCALE	DESIGNED J/P	CHECKED Z/S	DATE 03/20/2025
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TITLE SHEET

TITLE
**NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)**
SANTA CLARITA CA

SHEET
G1.0
01 OF 61 SHEETS
JOB NO. C258

LEGEND:

	POTABLE WATER
	NON-POTABLE WATER
	SANITARY SEWER
	STORM DRAIN
	ELECTRICAL SERVICE
	NATURAL GAS
	DOUBLE WALL CHLORINE FILL LINE
	DOUBLE WALL ACID FILL LINE
	DISCHARGE PIPE
	INTAKE PIPE
	POINT OF CONNECTION
	CAP FOR FUTURE CONNECTION

GENERAL NOTES:

- CONTRACTOR TO VERIFY ELEVATIONS AND DIMENSIONS OF EXISTING INFRASTRUCTURE BEFORE CONSTRUCTION BEGINS.
- THESE PLANS ARE INTENDED FOR PUMP ROOM, POOL AREA FENCING, AND ADJACENT SITE CONSTRUCTION USE ONLY. SEE DRAWINGS BY RESPECTIVE DESIGNERS FOR OTHER ASPECTS OF CONSTRUCTION.
- ALL RECIRCULATION PIPE SHALL BE INSTALLED SO THE FLOW IS SLIGHTLY OFF LEVEL OR UPHILL TO PREVENT AIR TRAPS AND SHALL HAVE A 3'-0" (MIN) COVER OUTSIDE WATER FEATURE LIMITS AND A 1'-0" (MIN) COVER WITHIN UNLESS OTHERWISE NOTED.
- ALL PVC PIPE SHALL BE PER THE FOLLOWING SCHEDULE UNLESS OTHERWISE NOTED:

UNDERGROUND PIPING	SCH 40 PVC
PIPING INSIDE PUMP ROOM	SCH 80 PVC
- THRUST BLOCKS ARE REQUIRED FOR RUBBER GASKETED JOINT PIPES. PIPES W/ SOLVENT WELDED OR FUSED JOINTS DO NOT REQUIRE THRUST BLOCKS.
- WATER LEVELS SHOWN INDICATE AVERAGE SURFACE ELEVATIONS DURING OPERATION. ELEVATIONS MAY DIFFER DURING SHUTDOWN CONDITIONS.
- ALL MANUFACTURER PRODUCT CALL-OUTS SHOWN IN THESE PLANS SHALL BE CONSIDERED "OR APPROVED EQUAL" UNLESS OTHERWISE NOTED.
- THE PUMP ROOM CONTRACTOR SHALL VERIFY THE AVAILABLE ELECTRICAL POWER PRIOR TO PURCHASING EQUIPMENT.
- CONTACT 811 AND HAVE UTILITIES MARKED PRIOR TO CONSTRUCTION.
- POTHOLE ALL MARKED UTILITIES BEFORE CONSTRUCTION.

PUMP STATION CONSTRUCTION NOTES:

- ALL EQUIPMENT SPECIFIED SHALL MEET THE APPLICATION FOR WHICH IT IS BEING UTILIZED PER MANUFACTURER'S RECOMMENDATIONS.
- ALL MAJOR EQUIPMENT (I.E., PUMPS, FILTERS, HEATERS, ETC.) SHALL BE LOCATED ON HOUSEKEEPING PADS AT A MINIMUM OF 4" ABOVE THE FINISHED FLOOR LEVEL.
- SERVICE FLANGES OR UNIONS SHALL BE PROVIDED FOR ALL MAJOR ELEMENTS OF THE SYSTEM (I.E., PUMPS, FILTERS, UV EQUIPMENT, HEAT EXCHANGERS, SOLENOID VALVES, ETC.) TO ALLOW FOR QUICK REMOVAL FROM SYSTEM WITHOUT THE NEED TO CUT PIPING OR BREAK THE PIPING.
- ALL MAJOR EQUIPMENT INCLUDING VALVES SHALL BE IDENTIFIED BY CORROSION RESISTANT PERMANENT TAGS THAT CORRESPOND TO THE DESIGNATION ON THE AS-BUILT DRAWINGS AND DOCUMENTATION.
- ALL PIPING SHALL BE LABELED FOR FUNCTION (I.E., FILTER DISCHARGE, SKIMMER SUCTION, ETC.) AND FOR FLOW DIRECTION.
- CONTRACTOR SHALL PROVIDE AIR RELIEF VALVES FOR ALL PIPING HIGH POINTS GENERATED DURING PLUMBING OF ALL THE PIPING.
- EPOXY COAT REQUIRED FOR ALL WET SURFACES ON ALL PUMPS.
- THE POOL CIRCULATION PUMPS ARE EQUIPPED WITH VFD THAT ALLOWS THE USER TO SET THE GPM DURING OFF-PEAK HOURS AS WELL AS NORMAL OPERATING HOURS GPM.
- FIRE RATED PIPE PENETRATIONS & WALL DETAILS PER ARCHITECT PLANS.
- PREPARE SUBGRADE PER GEOTECHNICAL ENGINEER RECOMMENDATIONS.
- CONTRACTOR TO VERIFY ALL EQUIPMENT DIMENSIONS PRIOR TO PURCHASE AND INSTALLATION OF EQUIPMENT.
- CONTRACTOR TO INSTALL PUMP BASE AND BRACKETS PER MANUFACTURER'S REQUIREMENTS.
- CONTRACTOR TO PROVIDE FLASHING/SEALS FOR ALL BUILDING/STRUCTURE WALL PENETRATIONS.
- ALL ANCHORING SYSTEMS SHALL BE 316 S.S. REGARDLESS OF LOCATION UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWNGS FOR REVIEW FOR EACH CONTRACTOR SUPPLIED EQUIPMENT ITEM PRIOR TO INSTALLATION.
- INSTALLATION DETAILS FOR ALL EQUIPMENT ITEMS SHALL BE PER RESPECTIVE EQUIPMENT MANUFACTURER'S SHOP DRAWINGS AND RECOMMENDED INSTALLATION REQUIREMENT.

PUMP STATION PIPING NOTES:

- CONTRACTOR TO PROVIDE PIPE SUPPORTS PER EQUIPMENT MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS AND PER THE PROJECT SPECIFICATIONS.
- ALL BURIED PVC PIPE SHOWN ON PLANS SHALL BE SCH 40 PVC UNLESS NOTED OTHERWISE.
- ALL PVC PIPE ABOVE GRADE SHALL BE SCH 80 PVC FOR ALL SIZES.
- ALL STAINLESS STEEL PIPE SHOWN ON PLANS SHALL BE MINIMUM TYPE 304L SCH 10 UNLESS NOTED OTHERWISE.
- ALL PROCESS PIPES SHALL BE COLOR COATED PER THE PROJECT SPECIFICATIONS WITH THE EXCEPTION OF STAINLESS STEEL PIPES.
- ALL VALVES SHALL BE ROTATED/ORIENTED PER MANUFACTURE'S RECOMMENDATIONS.

NOTE FOR EQUIPMENT TO BE PROTECTED AND REUSED:

- TAKE EQUIPMENT OFF-SITE TO A PROTECTED LOCATION FOR STORAGE DURING CONSTRUCTION. COORDINATE WITH THE CITY FOR STORAGE REQUIREMENTS.
- CONTRACTOR TO REINSTALL SAVED EQUIPMENT PER MECHANICAL PLANS
- CONTRACTOR TO TEST ALL REINSTALLED EQUIPMENT PRIOR TO REUSE TO ENSURE ALL EQUIPMENT IS IN PROPER WORKING CONDITION
- CONTRACTOR TO FOLLOW INSTALLATION MANUAL FOR ALL REINSTALLED EQUIPMENT SEISMIC FASCINING REQUIREMENTS.

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED

Under SCMC Titles
18, 19, 20, 21, 24, 25

Sep 16, 2025

F. Svendsen



BLD25-00576 (ARCH)

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DESIGNED BY: L. H. Hall	09/30/2025
PROJECT ENGINEER	EXECUTION DATE
DESIGNED BY: L. H. Hall	09/30/2025
PRI-DESIGN	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-5, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



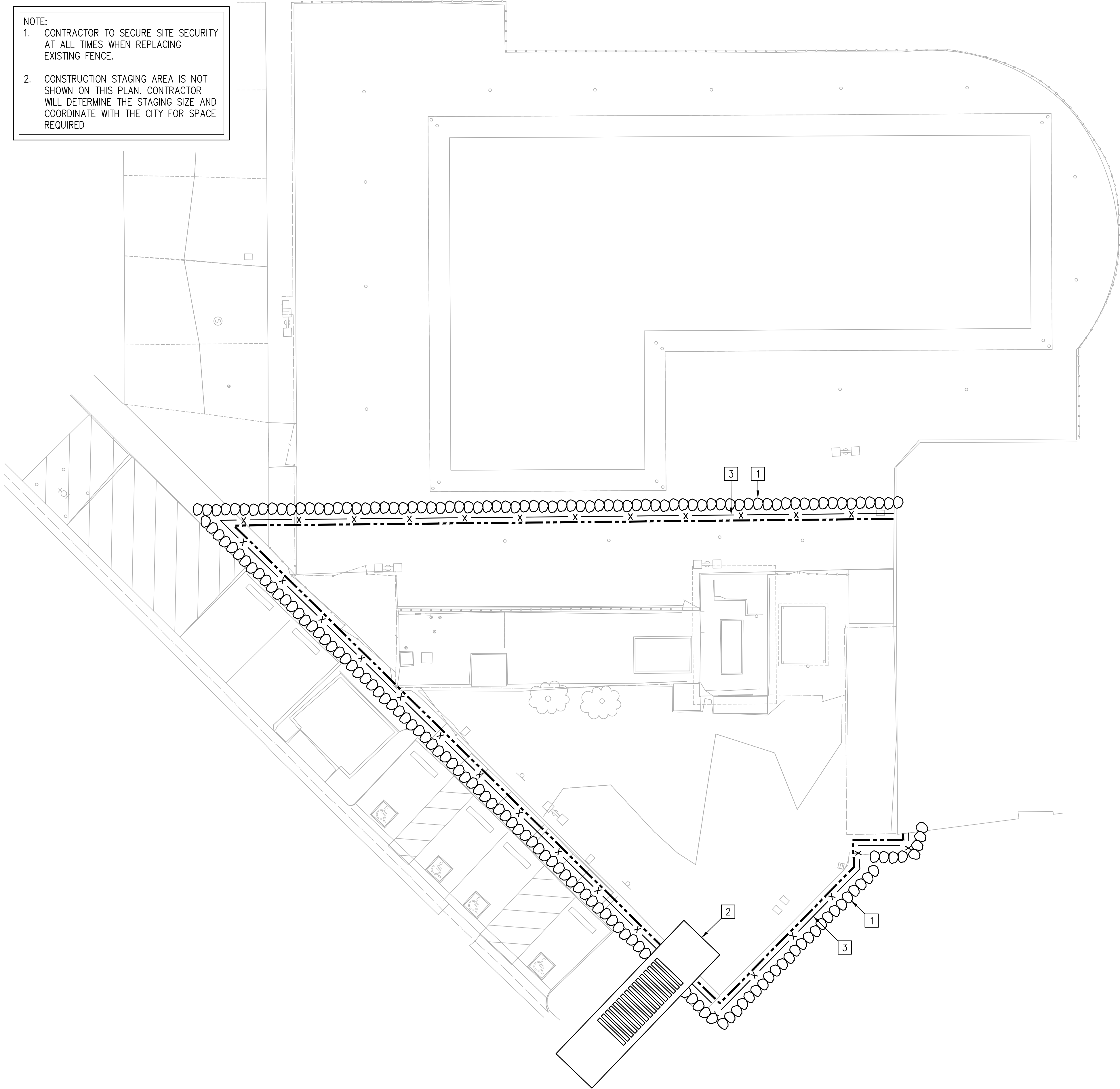
PREPARED BY: YIRANG SONG	PROJECT ENGINEER	SCALE	DATE
R.C.E. NO. --	# 69315		09/29/25
EXP. 06/30/2026			
DRAWN J/P	DESIGNED J/P	CHECKED Z/S	

GENERAL NOTES

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

C258	SHEET	G1.1
02 OF 61	SHEETS	
JOB NO.	C258	

NOTE:
1. CONTRACTOR TO SECURE SITE SECURITY AT ALL TIMES WHEN REPLACING EXISTING FENCE.
2. CONSTRUCTION STAGING AREA IS NOT SHOWN ON THIS PLAN. CONTRACTOR WILL DETERMINE THE STAGING SIZE AND COORDINATE WITH THE CITY FOR SPACE REQUIRED



SITE PLAN
SCALE: 1"=10'-0"

EROSION CONTROL LEGENDS:

- STABILIZED CONSTRUCTION ENTRANCE
- SAND AND GRAVEL BAGS
- CONSTRUCTION FENCE AND SILT FENCE
- LIMIT OF WORK

STORM WATER POLLUTION PREVENTION NOTES:

- EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROL BMP'S SHALL BE IMPLEMENTED TO PROTECT THE EXPOSED PORTIONS OF THE SITE FROM EROSION AND TO PREVENT SEDIMENT DISCHARGES.
- SEDIMENTS AND OTHER POLLUTANTS SHALL BE RETAINED ON SITE UNTIL PROPERLY DISPOSED OF, AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND AND WATER FLOW.
- FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS SHALL BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM, NOR BE ALLOWED TO SETTLE OR INFILTRATE INTO SOIL.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTES.
- TRASH AND CONSTRUCTION SOLID WASTES SHALL BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICULAR TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITS SHALL BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- STORM WATER POLLUTION PREVENTION DEVICES AND / OR PRACTICES SHALL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES TO ENSURE EFFECTIVENESS.
- SUPPLY WATER FOR WHEEL WASHING
- STORM DRAIN TO BE BLOCKED OFF AND PROTECTED DURING CONSTRUCTION TO PREVENT SITE DEBRIS FROM ENTERING THE STORM DRAIN.

EROSION CONTROL KEYNOTES:

- 1 INSTALL GRAVEL BAG BARRIER PER CASQA BMP SE-6
- 2 INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT PER CASQA BMP TC-1
- 3 INSTALL SILT FENCE PER CASQA BMP SE-1

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen
BLD25-00576 (ARCH)
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REVIEWED BY: LAW, ESQ.	09/30/2025	EXECUTION DATE
PREPARED BY: ZIRANG SONG	09/30/2025	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF IMPROVEMENTS TO THE CITY'S PUBLIC FACILITIES, I, THE CITY OF SANTA CLARITA, DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.

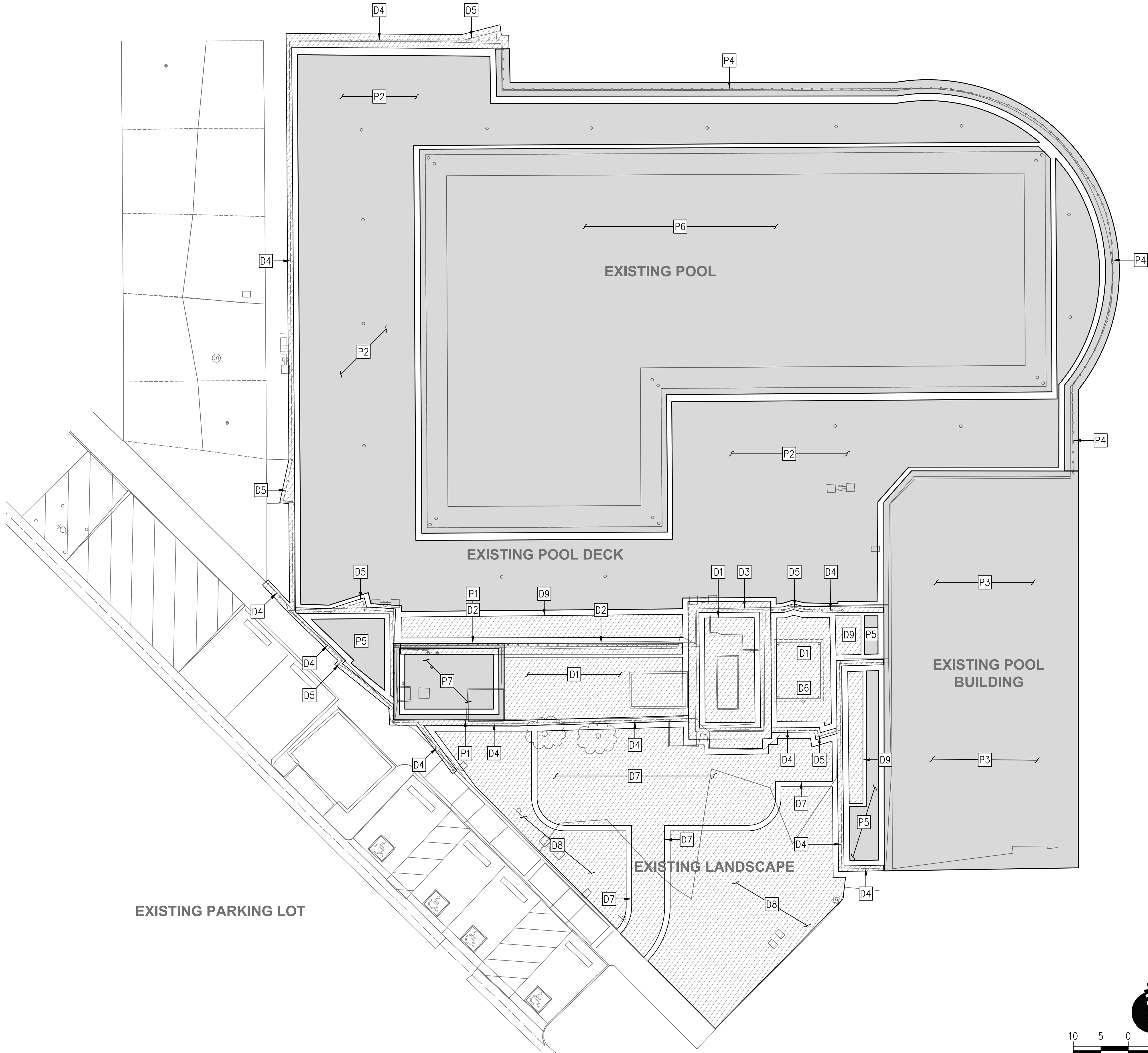


PREPARED BY: ZIRANG SONG	PROJECT ENGINEER	SCALE	DATE
R.C.E. NO. -- # 69315	EXP. 06/30/2026	J/P	09/29/25
DRAWN	DESIGNED	CHECKED	
J/P	J/P	Z/S	

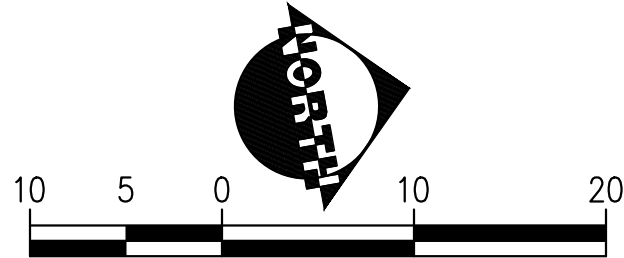
EROSION CONTROL
AND FENCING PLAN

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

SHEET
G1.2
03 OF 61 SHEETS
JOB NO. C258



SITE PLAN
SCALE: 1"=10'-0"



DEMOLITION GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DEMOLITION ITEMS, PROTECT IN PLACE ITEMS AND QUANTITY PRIOR TO START OF CONSTRUCTION WITH OWNER AND/OR OWNER'S REPRESENTATIVE. AS SHOWN ON THE DEMO PLANS.
2. CONTRACTOR TO COORDINATE WITH OWNER OR OWNER'S REPRESENTATIVES FOR ITEMS TO BE DEMOLISHED.
3. CONTRACTOR TO DISPOSE OF DEBRIS OFF-SITE.
4. CONTRACTOR TO REPLACE ANY ITEMS DAMAGED OR REMOVED THAT WAS NOT SPECIFICALLY IDENTIFIED IN THIS PLAN.
5. DEMOLITION AND PROTECT-IN-PLACE OUTLINES ARE PROVIDED TO DIAGRAMATICALLY SHOW THE DEMOLITION/PROTECT-IN-PLACE ITEMS. CONTRACTOR SHALL VERIFY DIMENSIONS AND EXACT LOCATIONS PRIOR TO START OF CONSTRUCTION. PLEASE INFORM OWNER AND/OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO START OF DEMOLITION.
6. CONTRACTOR TO REMOVE ALL POOL SIGNAGE THAT IS ATTACHED TO THE EXISTING BUILDING AND WALLS BEING DEMOLISHED, SAVE IT, AND REINSTALL AFTER THE BUILDING HAS BEEN CONSTRUCTED.
7. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO EXISTING BUILDING FOOTING DEMOLITION FOR REVIEW.

DEMOLITION LEGENDS:

- ITEM TO BE DEMOLISHED
- ITEM TO PROTECT-IN-PLACE
- ITEM TO REMOVE AND REUSE

PROTECT-IN-PLACE KEYNOTES:

- P1** PROTECT-IN-PLACE EXISTING WET WELL WALLS
- P2** PROTECT-IN-PLACE EXISTING POOL DECK
- P3** PROTECT-IN-PLACE EXISTING BOYS AND GIRLS CLUB BUILDING
- P4** PROTECT-IN-PLACE EXISTING WROUGHT IRON FENCE
- P5** PROTECT-IN-PLACE EXISTING CONCRETE SLAB
- P6** PROTECT-IN-PLACE EXISTING POOL
- P7** PROTECT-IN-PLACE EXISTING WET WELL SLAB

DEMOLITION KEYNOTES:

- D1** DEMOLISH EXISTING PUMP ROOM CONCRETE SLAB
- D2** DEMOLISH EXISTING PUMP ROOM WALL AND ASSOCIATED FOOTING
- D3** DEMOLISH EXISTING PUMP ROOM BUILDING (INCLUDING ROOF, CMU WALL, FOOTINGS, ETC.)
- D4** DEMOLISH EXISTING CHAIN-LINK FENCE
- D5** DEMOLISH EXISTING GATE
- D6** DEMOLISH EXISTING ROOF AND ASSOCIATED STRUCTURE AND FOOTINGS
- D7** DEMOLISH EXISTING LANDSCAPE AREA FOR NEW BUILDING AND PATH
- D8** DEMOLISH EXISTING LANDSCAPE TO BE REGRADED PER SHEET C2.0
- D9** DEMOLISH EXISTING CONCRETE DECK FOR NEW CONSTRUCTION PER STRUCTURAL PLANS



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REVISION:	09/30/2025
DATE: 09/30/25	EXECUTION DATE
PREPARED BY:	09/30/2025
DATE: 09/30/25	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY:	PROJECT ENGINEER	SCALE	DATE
ZHIRANG SONG	R.C.E. NO. -- # 69315	J/P	09/29/25
EXP. 06/30/2026	DRAWN	DESIGNED	CHECKED
	J/P	J/P	Z/S

SITE DEMOLITION PLAN

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

C258	SHEET	D1.0
04 OF 61	SHEETS	
JOB NO.	C258	

Krefs: Existing Utilities.dwg; Demolition Plan.dwg; C258 Survey Basefile.dwg; C258 Titleblock.dwg
Dimstyle = 1; Ltscale = 1; PSLtscale = 1; ACAD Ver. = 23.0s (LMS Tech); Visretain = 1



- D1 DEMOLISH EXISTING 3" SEWER LINE AND ASSOCIATED CLEANOUTS
- D2 DEMOLISH EXISTING 2" WATER LINE
- D3 DEMOLISH EXISTING 2" PRESSURIZED BACKWASH LINE TO EXISTING WET WELL
- D4 DEMOLISH EXISTING GAS LINE
- D5 DEMOLISH EXISTING ELECTRICAL WIRING AND CONDUITS
- D6 DEMOLISH EXISTING 10" VCP GRAVITY BACKWASH LINE



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REVIEWED BY: Signature: <u>Patricia Hupfeld</u> NAME: <u>Patricia Hupfeld</u> TITLE: <u>PM - DESIGN</u>	09/30/2025 EXECUTION DATE
REVIEWED BY: Signature: <u>[Signature]</u> NAME: <u>[Name]</u> TITLE: <u>PM - CONSTRUCTION</u>	09/30/2025 EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION No. 19-94, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, AND THE CITY ENGINEER, TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF IMPROVEMENTS TO PUBLIC PROPERTY FOR PURPOSES OF DESIGN IMMUNITY PURSUANT TO GOVERNMENT CODE SECTION 65460, THE CITY ENGINEER IS HEREBY AUTHORIZED TO APPROVE OR DISAPPROVE PROPOSED PLANS AND DESIGNS FOR THE CONSTRUCTION OF AN IMPROVEMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO, OR A MODIFICATION OF, SUCH IMPROVEMENT OR MODIFICATION, AND THE DATE IS AFFIRMED.



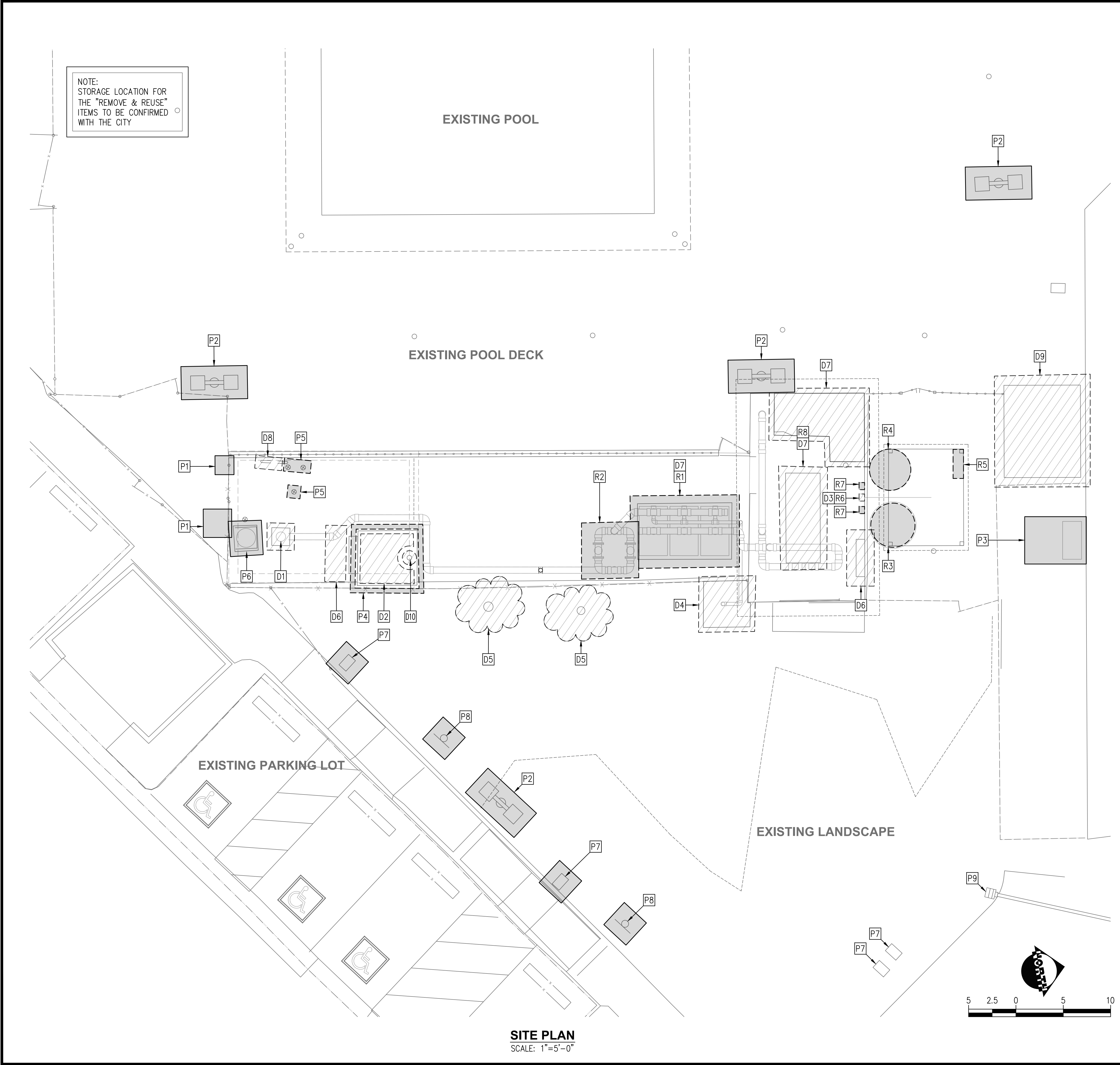
ZIRANG SONG	
PROJECT ENGINEER	
R.C.E. NO. — — # 69315	
EXP. 06/30/2026	
DRAWN J.P	SCALE
DESIGNED J.P	
CHECKED J.C	DATE 07/20/2025

UTILITY DEMOLITION PLAN

**NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)**

D2.0

JOB NO. C258



DEMOLITION GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DEMOLITION ITEMS, REMOVE AND REUSE ITEMS, PROTECT IN PLACE ITEMS AND QUANTITY PRIOR TO START OF CONSTRUCTION WITH OWNER AND/OR OWNER'S REPRESENTATIVE. AS SHOWN ON THE DEMO PLANS.
2. CONTRACTOR TO COORDINATE WITH OWNER OR OWNER'S REPRESENTATIVES FOR ITEMS TO BE DEMOLISHED.
3. CONTRACTOR TO DISPOSE OF DEBRIS OFF-SITE.
4. CONTRACTOR TO REPLACE ANY ITEMS DAMAGED OR DEMOLISH THAT WAS NOT SPECIFICALLY IDENTIFIED IN THIS PLAN.
5. ALL MECHANICAL PIPING TO BE DEMOLISHED AND DEMOLISH

DEMOLITION LEGENDS:

- ITEM TO BE DEMOLISHED
- ITEM TO PROTECT-IN-PLACE
- ITEM TO REMOVE AND REUSE

REMOVE RELOCATE, AND REUSE KEYNOTES:

- R1 REMOVE AND REUSE EXISTING POOL FILTER
- R2 REMOVE AND REUSE EXISTING BASKET STRAINER
- R3 REMOVE AND REUSE EXISTING 500 GAL CHLORINE TANK
- R4 REMOVE AND REUSE EXISTING 350 GAL ACID TANK
- R5 REMOVE AND REUSE EXISTING EYE WASH STATION
- R6 REMOVE AND REUSE EXISTING STENNER 85M
- R7 REMOVE AND REUSE EXISTING STENNER 45M
- R8 REMOVE AND REUSE EXISTING POOL HEATER

PROTECT-IN-PLACE KEYNOTES:

- P1 PROTECT IN PLACE EXISTING VALVE VAULT AND PANEL
- P2 PROTECT IN PLACE EXISTING LIGHT
- P3 PROTECT IN PLACE EXISTING TRANSFORMER
- P4 PROTECT IN PLACE EXISTING RAISED CONCRETE WET WELL WALLS
- P5 PROTECT IN PLACE EXISTING VALVES
- P6 PROTECT IN PLACE EXISTING HOUSEKEEPING PAD
- P7 PROTECT IN PLACE EXISTING VALVE BOX
- P8 PROTECT IN PLACE EXISTING HANDICAP SIGN
- P9 PROTECT IN PLACE EXISTING STORM DRAIN INLET

DEMOLITION KEYNOTES:

- D1 DEMOLISH EXISTING VERTICAL TURBINE PUMP
- D2 DEMOLISH EXISTING ACCESS HATCH
- D3 DEMOLISH EXISTING CHEMICAL CONTROLLER
- D4 DEMOLISH EXISTING BACKWASH PIT
- D5 DEMOLISH EXISTING TREES (2)
- D6 DEMOLISH EXISTING ELECTRICAL PANEL
- D7 DEMOLISH EXISTING HOUSEKEEPING PAD
- D8 DEMOLISH EXISTING WATER FILL
- D9 DEMOLISH EXISTING STORAGE SHED
- D10 DEMOLISH EXISTING FLOAT SENSOR

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
Under SCMC Titles
16, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)
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MECHANICAL
DEMOLITION PLAN

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

D3.0

06 OF 61 SHEETS

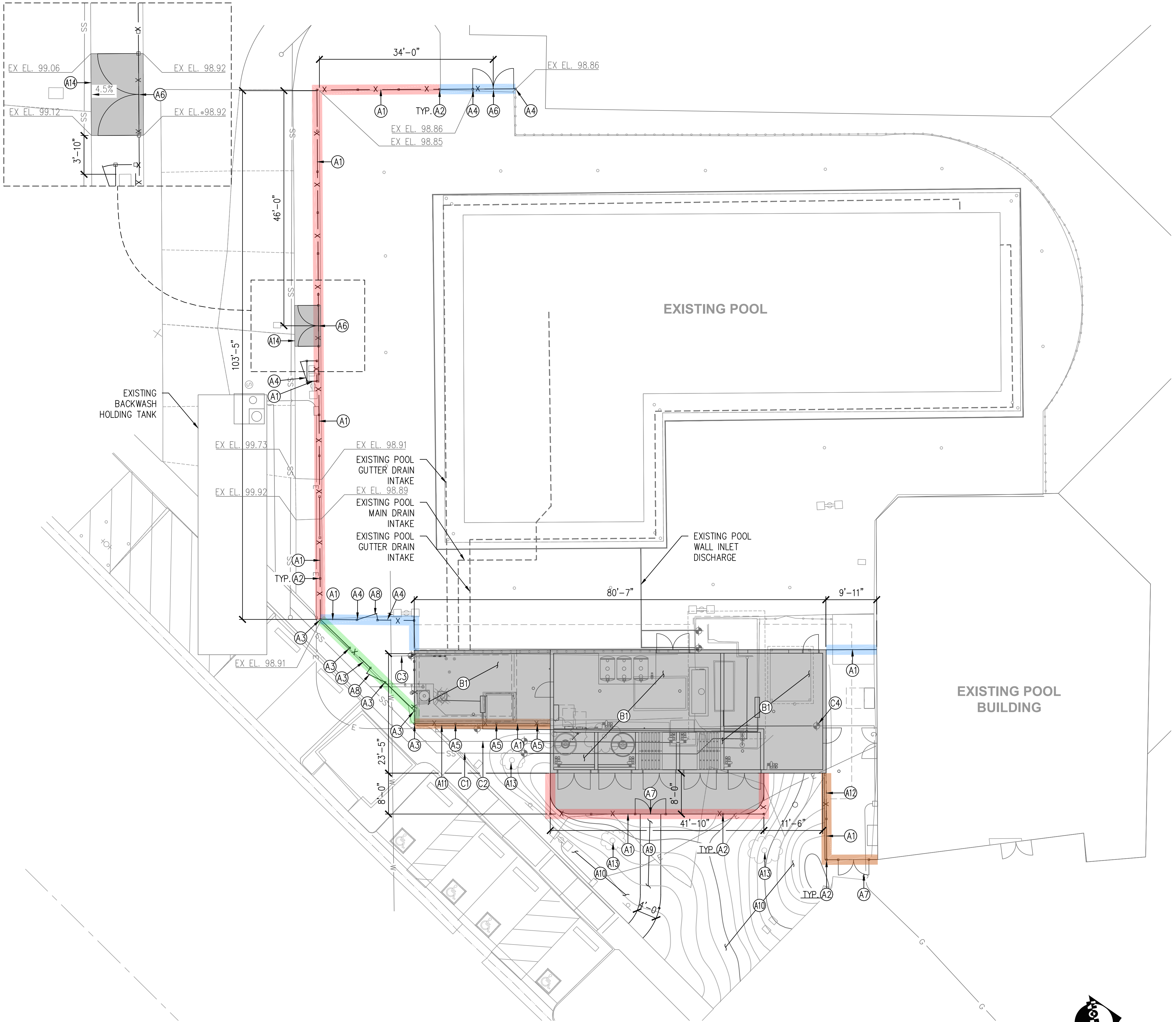
JOB NO. C258

REVISION:	09/30/2025
DATE: 09/30/25	EXECUTION DATE
DATE: 09/30/25	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 19-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE CITY'S PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT OR CODE SECTION 830.6 FOR THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY YIRANG SONG	PROJECT ENGINEER R.C.E. NO. -- # 69315	SCALE	DATE 03/2025
EXP. 06/30/2026	DRAWN J/P	DESIGNED J/P	CHECKED Z/S



SITE PLAN
SCALE: 1"=10'-0"

CONSTRUCTION NOTES

NEW LANDSCAPE FEATURES

- (A1) INSTALL NEW 8'-0" WROUGHT-IRON FENCE PER DETAIL A SHEET C3.0
- (A2) INSTALL NEW 8'-0" TALL 4" SQUARE 12 GA POST PER DETAIL B SHEET C3.2
- (A3) INSTALL NEW 8'-0" TALL 4" SQUARE 12 GA POST PER DETAIL C SHEET C3.2
- (A4) INSTALL NEW 8'-0" TALL 4" SQUARE 12 GA POST PER DETAIL E SHEET C3.2
- (A5) INSTALL NEW 8'-0" TALL 4" SQUARE 12 GA POST PER DETAIL F SHEET C3.2
- (A6) INSTALL NEW DOUBLE-DOOR, SELF-LATCHING GATE PER DETAIL D SHEET C3.0
- (A7) INSTALL NEW DOUBLE-DOOR GATE PER DETAIL C SHEET C3.0
- (A8) INSTALL NEW SINGLE-DOOR GATE PER DETAIL E SHEET C3.0
- (A9) INSTALL NEW CONCRETE ACCESS WALKWAY PER DETAIL 10 SHEET S0.4
- (A10) REGRADE LANDSCAPE AREA PER SHEET C2.0
- (A11) INSTALL NEW CONTAINMENT WALL PER DETAIL 5 SHEET S2.1
- (A12) INSTALL NEW 6" CURB PER DETAIL 7 SHEET S2.1
- (A13) INSTALL NEW TREE
- (A14) INSTALL NEW CONCRETE ACCESS ROAD PER DETAIL A SHEET C3.2

NEW PUMP ROOM CONSTRUCTION

- (B1) INSTALL NEW PUMP ROOM BUILDING PER STRUCTURAL PLANS, ARCHITECTURAL PLANS

EXISTING UTILITIES

- (C1) EXISTING 3" SEWER LINE TO CONNECT TO NEW PUMP ROOM FLOOR DRAINS PER SHEET M2.1
- (C2) EXISTING 10" VCP BACKWASH GRAVITY LINE TO CONNECT TO FILTER BACKWASH PER SHEET M2.1
- (C3) EXISTING 2" WATER LINE TO CONNECT TO POOL FILL SYSTEM PER SHEET M2.1
- (C4) EXISTING GAS LINE TO CONNECT TO POOL HEATER

LEGEND:

- WROUGHT-IRON POST PER DETAIL B SHEET C3.1
- WROUGHT-IRON POST PER DETAIL C SHEET C3.1
- WROUGHT-IRON POST PER DETAIL E SHEET C3.1
- WROUGHT-IRON POST PER DETAIL F SHEET C3.1

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)
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PACE
Advanced Water Engineering

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P: (714) 481-7300 | www.pacewater.com

REVIEWED BY: LAW, ESQ.	09/30/2025
EXECUTED DATE	
REVIEWED BY: F. SVENDSEN	09/30/2025
EXECUTED DATE	

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: ZHIRANG SONG	PROJECT ENGINEER	SCALE	DATE
R.C.E. NO. -- #69315	EXP. 06/30/2026	J/P	09/29/2025
		DESIGNED	
		CHECKED	

SITE AND UTILITY
PLAN

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

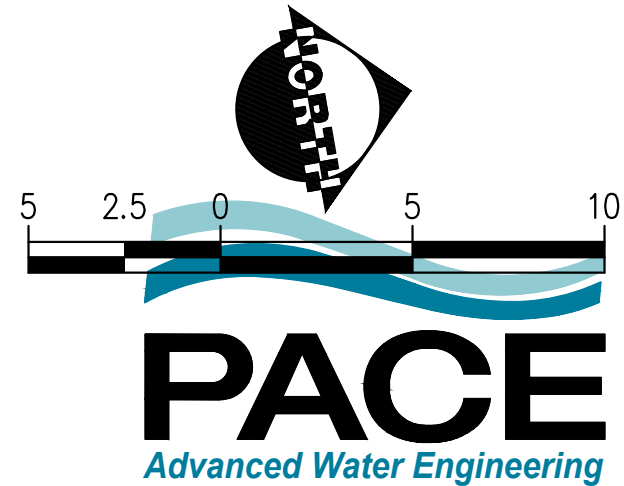
C1.0

JOB NO. C258

IMPERVIOUS AREA			
	EXISTING	PROPOSED	INCREASED
TOTAL SITE AREA (SF)	4,300	4,300	0
IMPERVIOUS AREA (SF)	±1800	±2700	±900
PERCENT IMPERVIOUS	42%	63%	21%

SITE PLAN
SCALE: 1"=5'-0"

FOR REFERENCE



REVIEWER:	09/30/2025
DATE:	
DESIGNER:	
DATE:	
CONSTRUCTOR:	09/30/2025
DATE:	

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE CITY OF SANTA CLARITA, I, THE CITY ENGINEER, DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY	ZIRANG SONG
PROJECT ENGINEER	R.C.E. NO. -- # 69315
EXP.	06/30/2026
DRAWN	J/P
DESIGNED	J/P
CHECKED	Z/S
DATE	09/29/2025

GRADING AND DRAINAGE PLAN

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA CA

SHEET	C2.0
08 OF 61 SHEETS	
JOB NO.	C258

Sep. 29, 2025

\\erdc\c258\Titleblock.dwg; Mechanical Layout.dwg; Northing Easting Table.dwg; Grading Plan.dwg; C258 Survey Basefile.cad; 3d.dwg
Dimstyle = 1; Ltype = 1; PSLstyle = 1; ACOB Ver. = 23.06 (LMS Tech); Version = 1

IMPERVIOUS AREA			
	EXISTING	PROPOSED	INCREASED
TOTAL SITE AREA (SF)	4,300	4,300	0
IMPERVIOUS AREA (SF)	±1800	±2700	±900
PERCENT IMPERVIOUS	42%	63%	21%

POINT TABLE			
PNT. #	NORTHING	EASTING	DESCRIPTION
1	5104.74	6874.21	NEW FENCE
2	5106.25	6865.39	NEW FENCE
3	5098.08	6863.99	NEW FENCE
4	5060.96	6900.38	NEW FENCE
5	5068.02	6858.84	NEW FENCE
6	5059.61	6908.27	NEW FENCE
7	5050.66	6960.94	NEW FENCE
8	5068.67	6964.34	NEW FENCE
9	5065.68	6981.74	NEW FENCE
10	5067.57	6970.73	OUTSIDE PUMP STATION
11	5065.25	6984.21	OUTSIDE PUMP STATION
12	5093.81	6975.26	OUTSIDE PUMP STATION
13	5091.39	6988.89	OUTSIDE PUMP STATION
14	5094.46	6975.40	INSIDE PUMP STATION
15	5091.88	6989.96	INSIDE PUMP STATION
16	5126.62	6981.08	INSIDE PUMP STATION
17	5124.05	6995.65	INSIDE PUMP STATION
18	5127.28	6981.20	STORAGE ROOM
19	5146.31	6984.57	STORAGE ROOM
20	5142.34	7007.00	STORAGE ROOM
21	5124.70	6995.76	STORAGE ROOM
22	5132.39	6997.12	STORAGE ROOM
23	5131.00	7005.00	STORAGE ROOM
24	5091.77	6990.62	CHEMICAL ROOM
25	5090.49	6997.84	CHEMICAL ROOM
26	5099.65	6992.01	CHEMICAL ROOM
27	5098.37	6999.23	CHEMICAL ROOM
28	5100.30	6992.13	CHEMICAL ROOM
29	5099.03	6999.35	CHEMICAL ROOM
30	5107.52	6993.40	CHEMICAL ROOM

POINT TABLE			
PNT. #	NORTHING	EASTING	DESCRIPTION
31	5106.25	7000.62	CHEMICAL ROOM
32	5108.18	6993.52	CHEMICAL ROOM
33	5106.90	7000.74	CHEMICAL ROOM
34	5115.40	6994.79	CHEMICAL ROOM
35	5114.12	7002.02	CHEMICAL ROOM
36	5116.06	6994.91	CHEMICAL ROOM
37	5114.78	7002.13	CHEMICAL ROOM
38	5123.93	6996.30	CHEMICAL ROOM
39	5122.65	7003.52	CHEMICAL ROOM
40	5124.59	6996.42	EYEWASH ROOM
41	5123.31	7003.64	EYEWASH ROOM
42	5131.62	6997.66	EYEWASH ROOM
43	5130.34	7004.88	EYEWASH ROOM
44	5090.13	6998.45	CONC ACCESS WALKWAY
45	5130.88	7005.66	CONC ACCESS WALKWAY
46	5089.02	7002.32	CONC ACCESS WALKWAY
47	5092.67	7007.03	CONC ACCESS WALKWAY
48	5105.66	7009.32	CONC ACCESS WALKWAY
49	5109.61	7010.04	CONC ACCESS WALKWAY
50	5125.54	7012.84	CONC ACCESS WALKWAY
51	5130.19	7009.59	CONC ACCESS WALKWAY
52	5099.62	7030.06	CONC ACCESS WALKWAY
53	5101.93	7033.32	CONC ACCESS WALKWAY

REVISION:	09/30/2025
DATE: 09/30/25	EXECUTION DATE
FILE: 09/30/25	FILE DESIGN
REVISION:	09/30/2025
DATE: 09/30/25	EXECUTION DATE
FILE: 09/30/25	FILE CONSTRUCTION

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE CITY OF SANTA CLARITA, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE CODE SECTION 830.6 FOR THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY	ZHIRANG SONG
PROJECT ENGINEER	R.C.E. NO. -- # 69315
EXP.	06/30/2026
DRAWN	J/P
DESIGNED	J/P
CHECKED	Z/S
DATE	09/29/25

NORTHING AND
EASTING TABLE

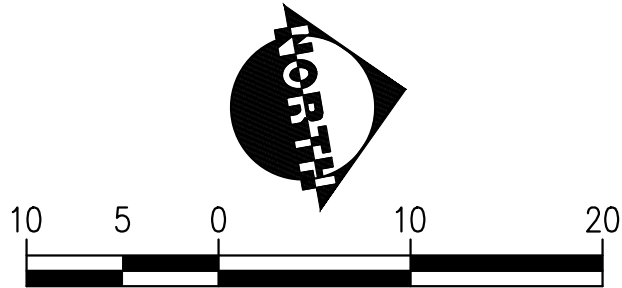
NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

C258
SHEET
C2.1
09 OF 61 SHEETS
JOB NO. C258

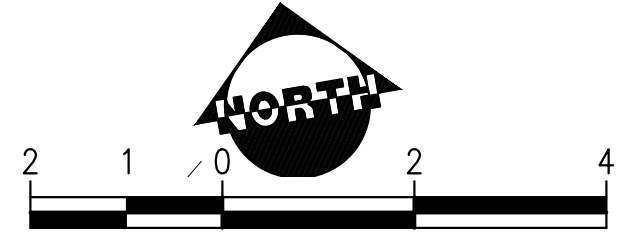


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FOR REFERENCE



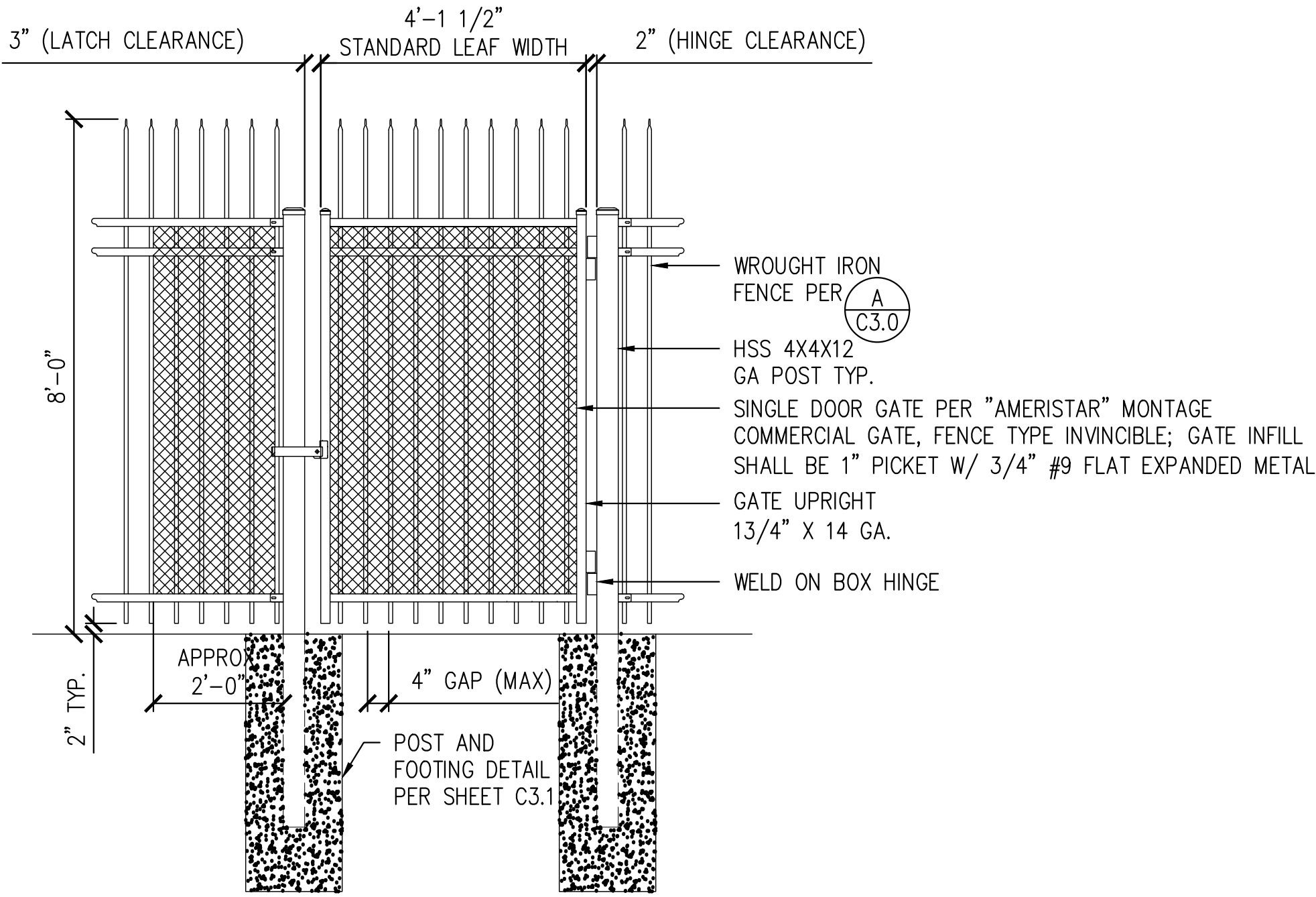
SITE PLAN
SCALE: 1"=10'-0"



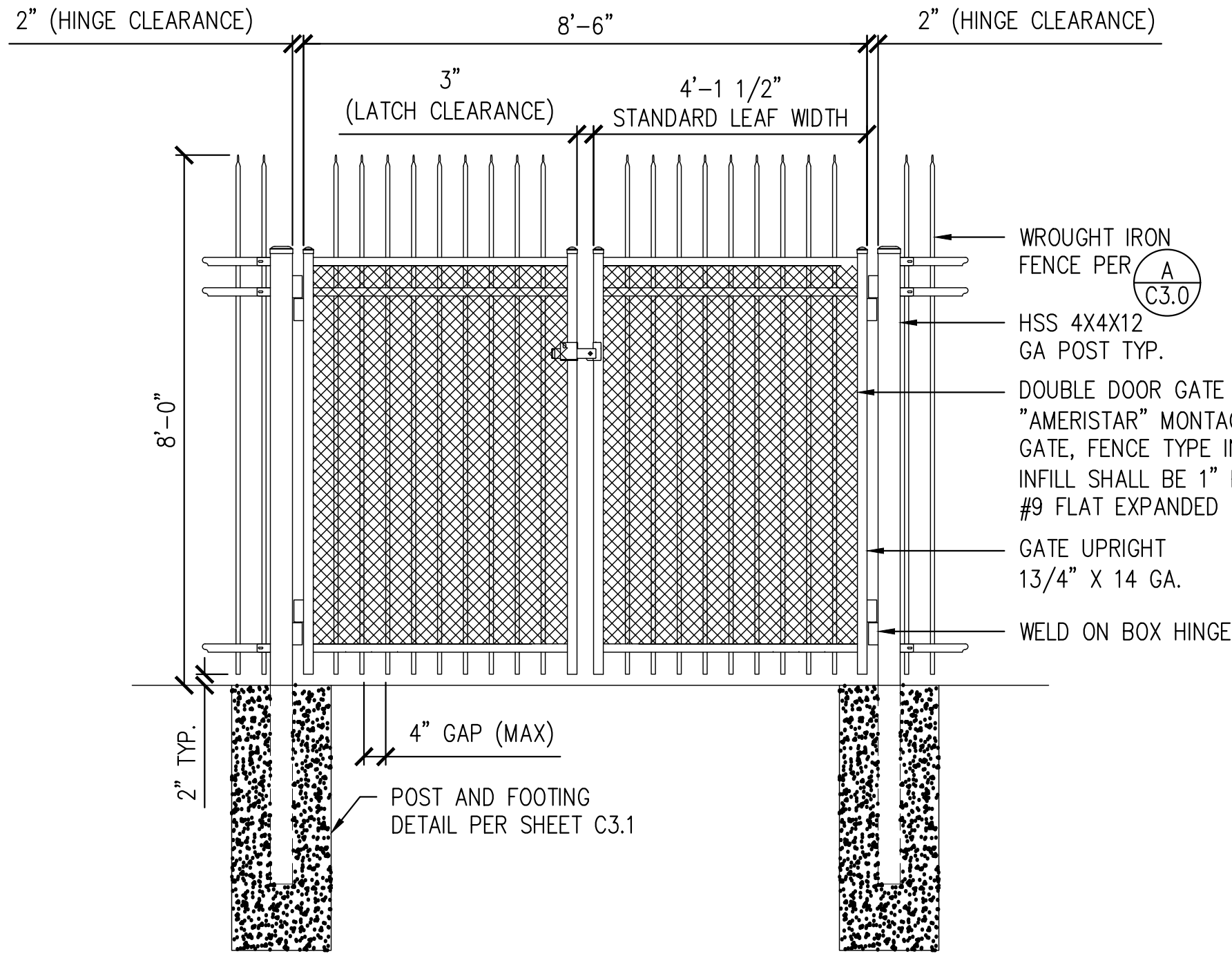
FOR REFERENCE

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P: (714) 481-7300 | www.pacewater.com

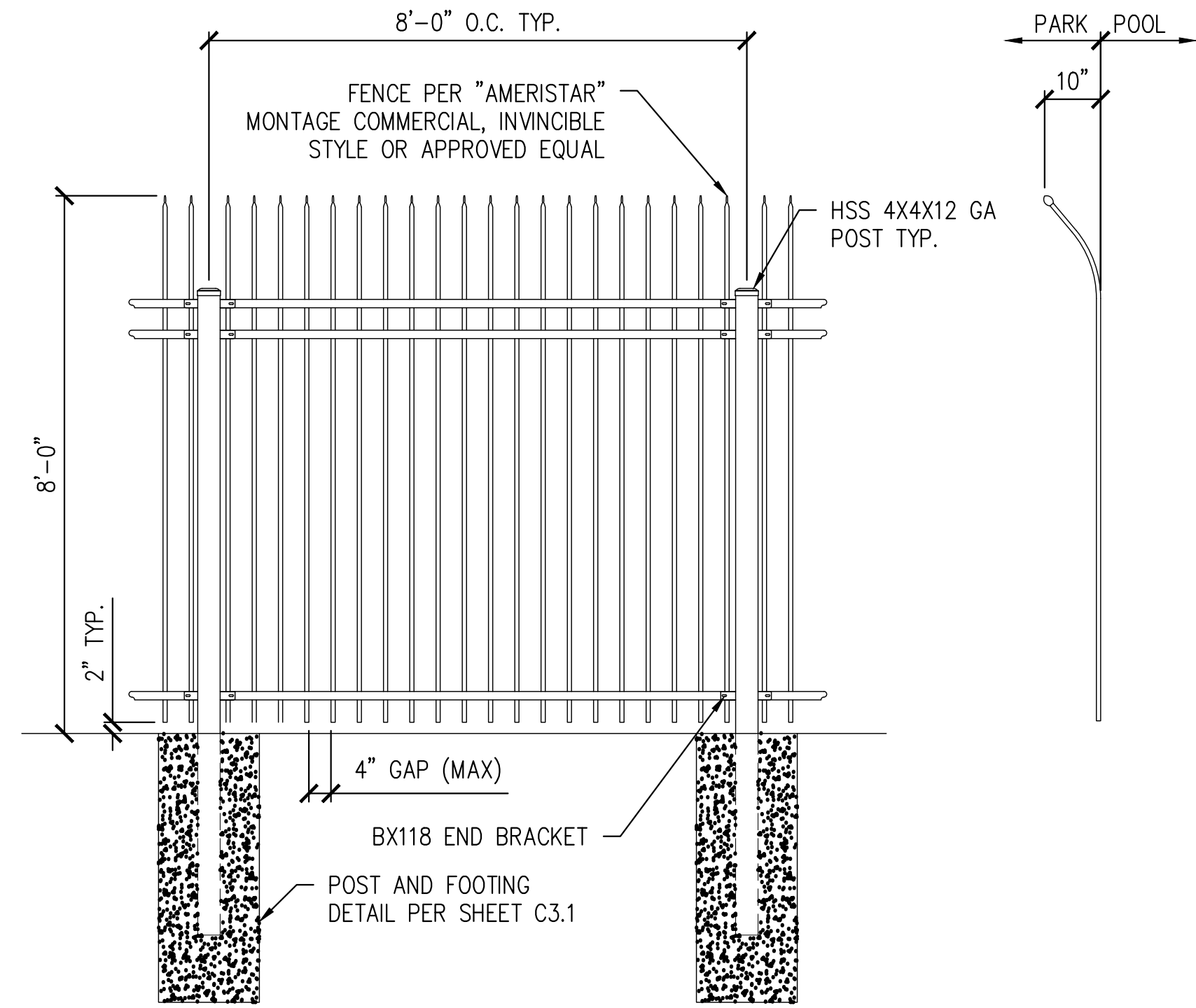
C258 SHEET 10 OF 61 JOB NO.	C2.2 NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD) SANTA CLARITA	CA GENERAL SECTIONS TITLE
PREPARED BY: ZIRANG SONG PROJECT ENGINEER P.C.E. NO. # 69315 EXP. 06/30/2026		
DRAWN J.P. DESIGNED J.P. SCALE 		
CHECKED Z.S. DATE 03/2025		



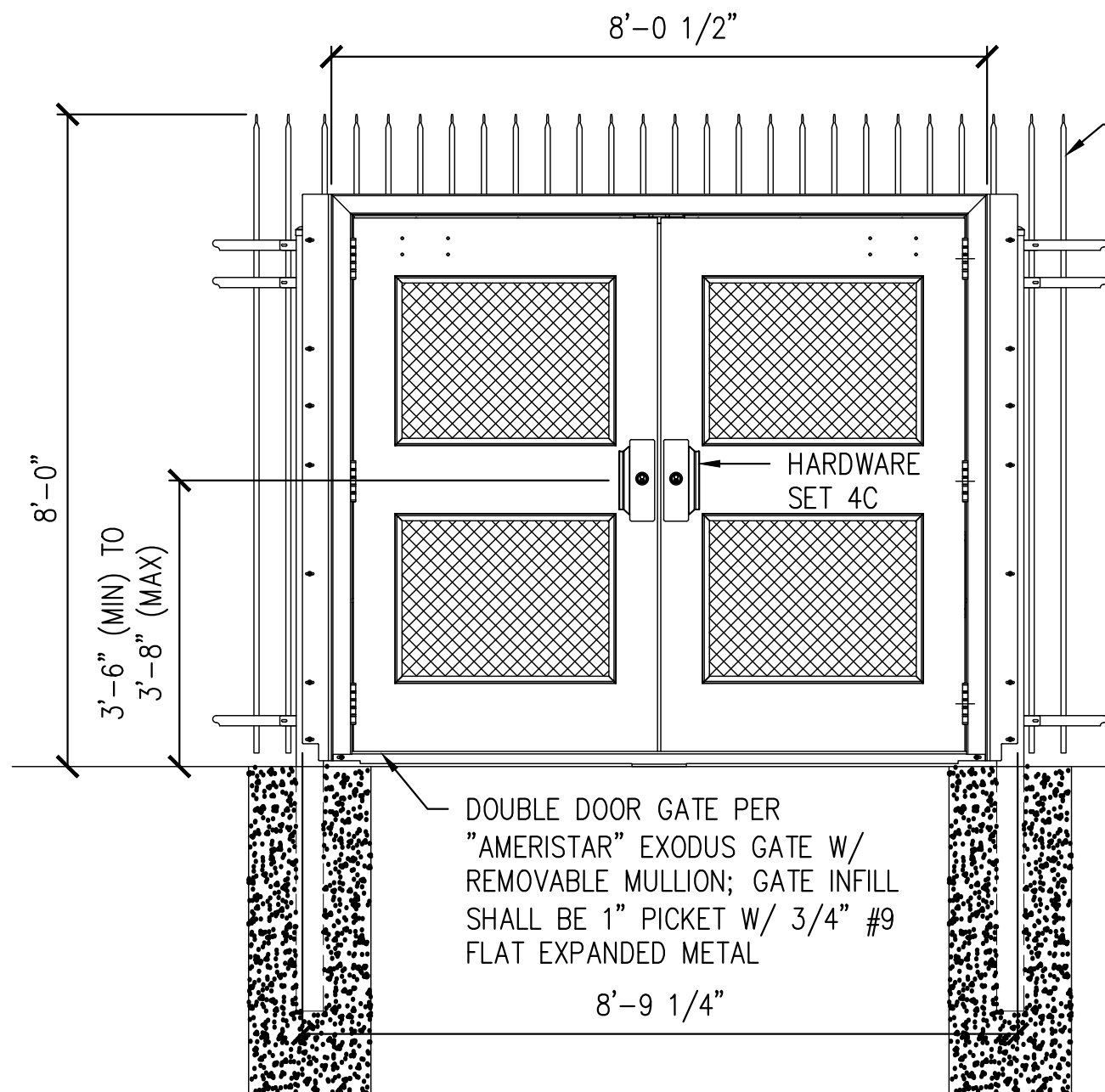
E WROUGHT IRON SINGLE DOOR GATE PER AMERISTAR
SCALE: 1/2"=1'-0"



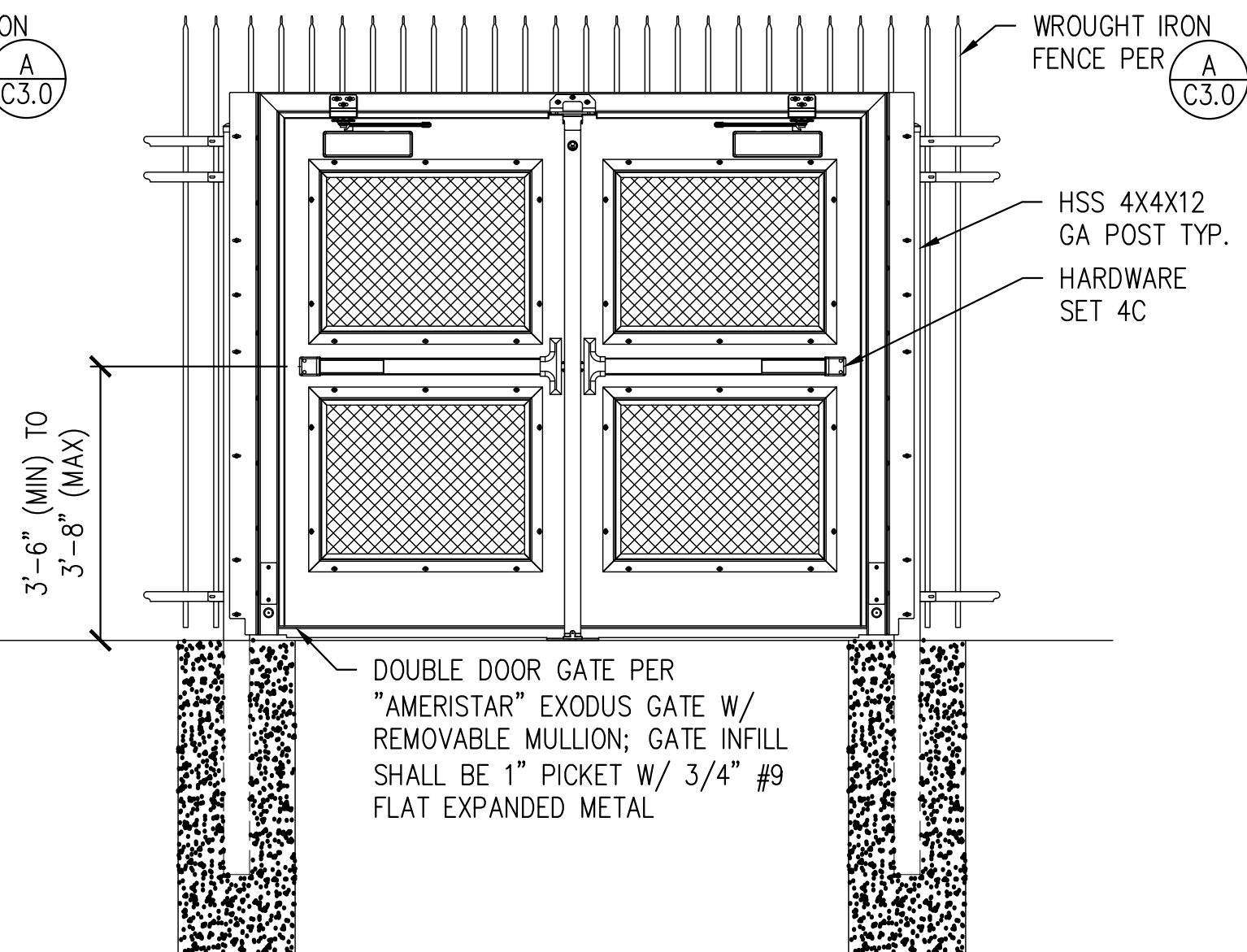
C WROUGHT IRON DOUBLE DOOR GATE PER AMERISTAR
SCALE: 1/2"=1'-0"



A WROUGHT IRON FENCE PER AMERISTAR
SCALE: 1/2"=1'-0"



D EXODUS DOUBLE DOOR EGRESS GATE PER AMERISTAR
SCALE: 1/2"=1'-0"



THREAT SIDE

SECURE SIDE

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)
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GENERAL DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

C3.0

11 OF 61 SHEETS

JOB NO. C258

REVISION:	09/30/2025
DATE:	09/30/2025
BY:	09/30/2025
FOR:	09/30/2025

IN ACCORDANCE WITH RESOLUTION NO. 18-16, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE CODE SECTION 830.6 FOR THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY	ZHIRANG SONG
PROJECT ENGINEER	R.C.E. NO. -- # 69315
EXP. DATE	06/30/2026
DRAWN	J.P.
DESIGNED	J.P.
CHECKED	Z.S.
DATE	09/29/2025

TITLE

C258

SHEET

11 OF 61

SHEETS

JOB NO.

C258

CA

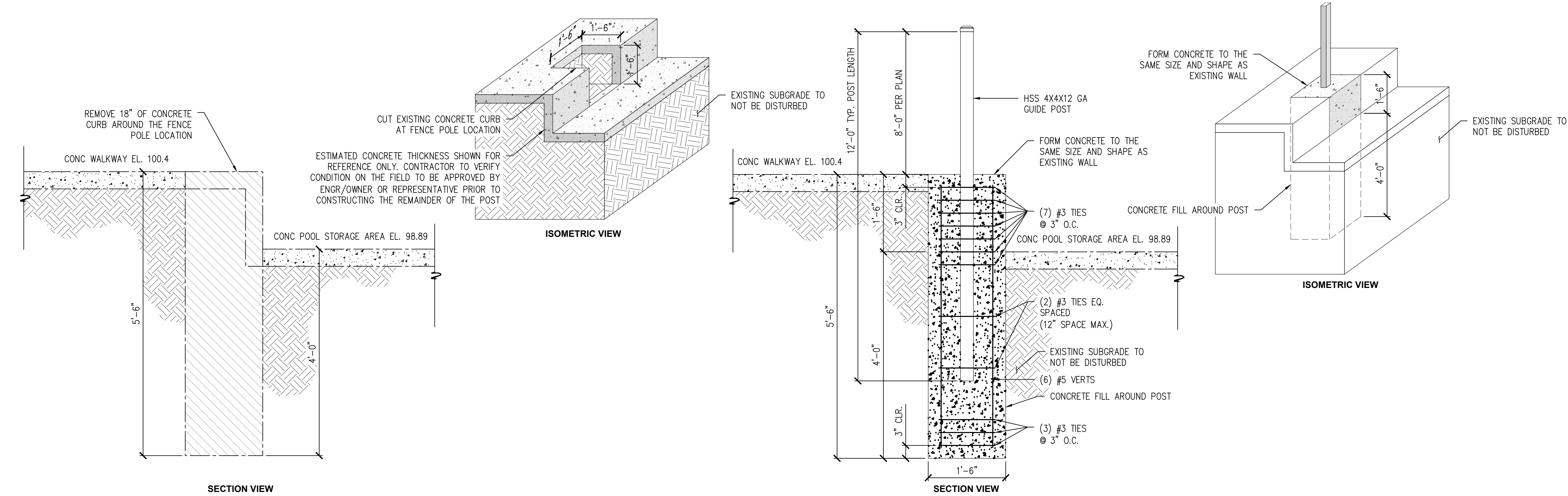
SANTA CLARITA

NEWHALL PARK POOL

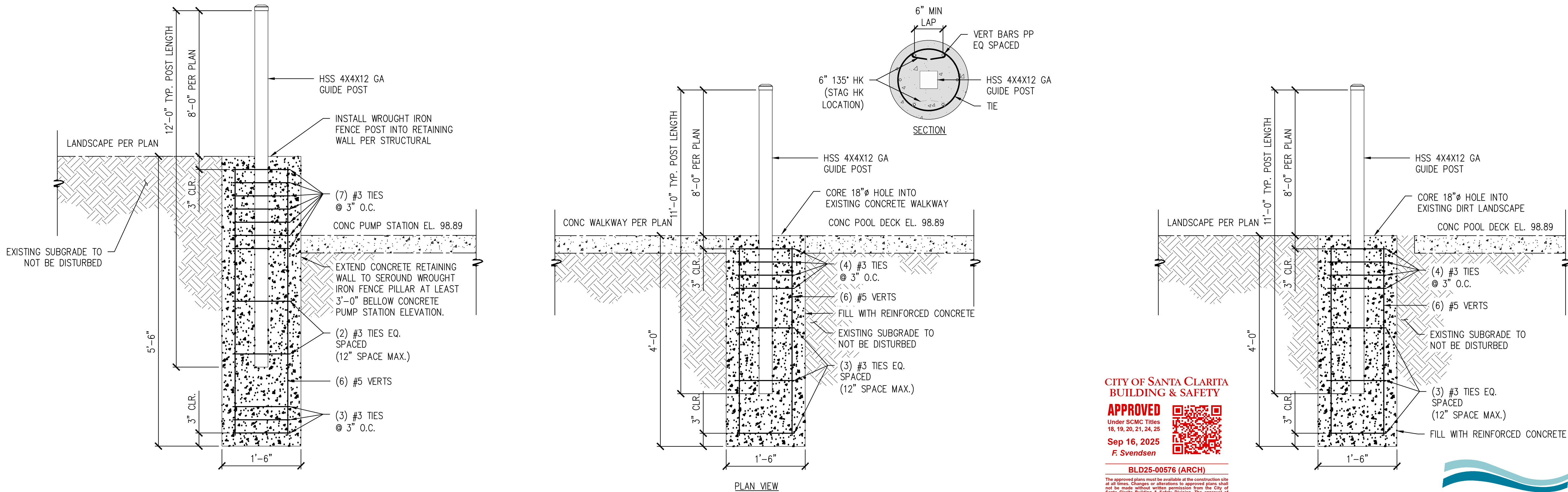
PUMP ROOM RENOVATION

PLANS (100% CD)

C3.0



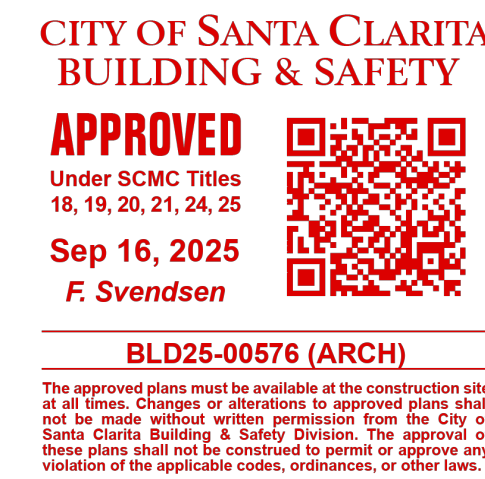
E POST DETAIL AT STEP
SCALE: 1"=1'-0"



F POST DETAIL AT RETAINING WALL
SCALE: 1"=1'-0"

D POST DETAIL AT WALKWAY
SCALE: 1"=1'-0"

B POST DETAIL AT LANDSCAPE
SCALE: 1/2"=1'-0"



REVIEWED BY:	09/30/2025
Lab. Build	EXECUTION DATE
PAI-DESIGN	
REVIEWED BY:	09/30/2025
PAI-CONSTRUCTION	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE CODE SECTION 830.6 FOR THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY:	YIRANG SONG
PROJECT ENGINEER	R.C.E. NO. -- # 69315
EXP. 06/30/2026	SCALE
DRAWN J/P	DESIGNED J/P
CHECKED Z/S	DATE 09/29/25

GENERAL DETAILS

C258
NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

SHEET
C3.1
12 OF 61 SHEETS
JOB NO. C258

B

WET WELL REGRADING DETAIL

SCALE: NTS

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25

Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)

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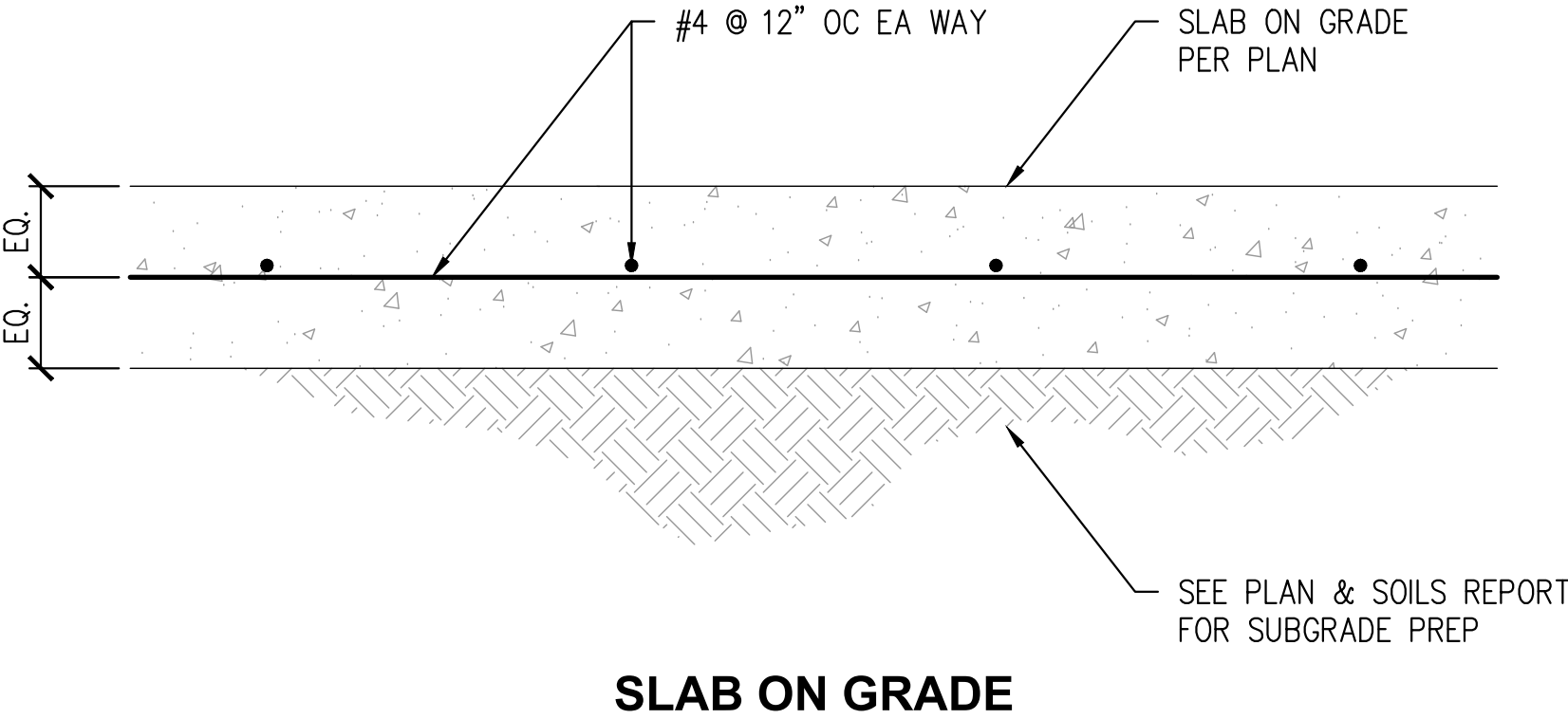


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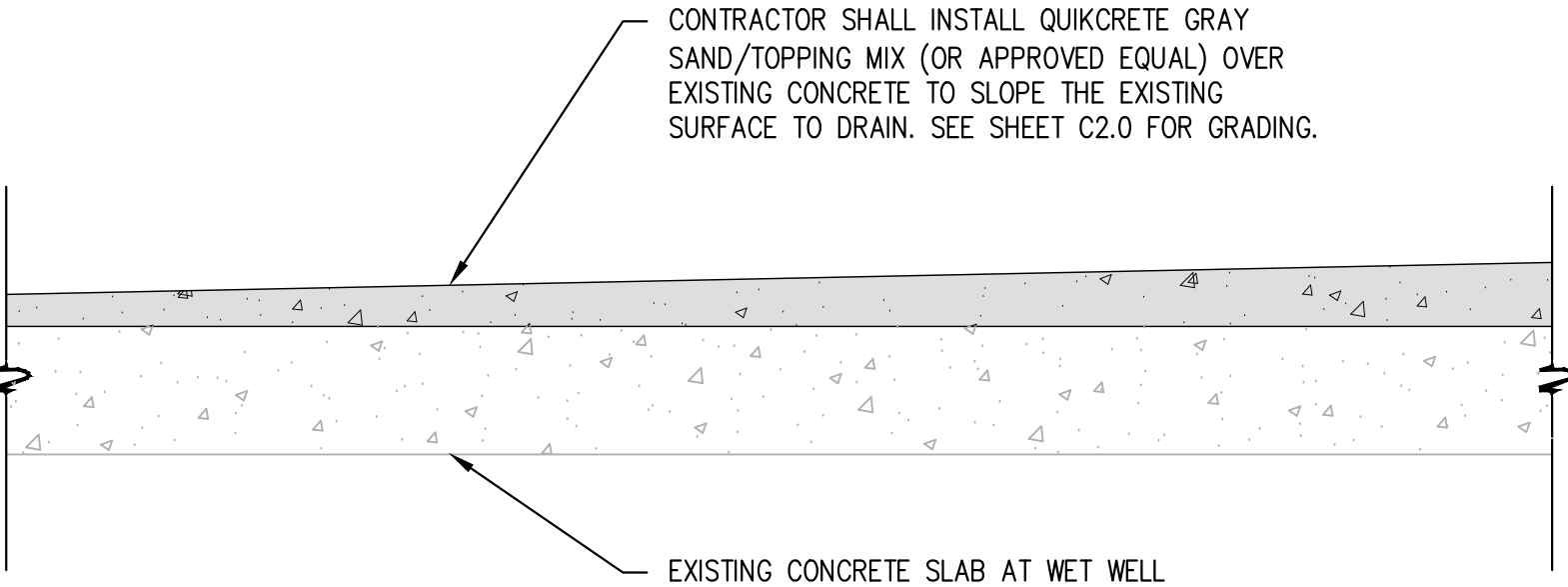
A

CONCRETE SLAB DETAIL

SCALE: 1"=1'-0"



NOTE:
CONTRACTOR SHALL PREPARE THE
EXISTING SURFACE AND INSTALL PER
MANUFACTURER'S RECOMMENDATIONS.



REVIEWER:	09/30/2025
DATE	
FOR DESIGN	EXECUTION DATE
FOR CONSTRUCTION	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY	PROJECT ENGINEER	SCALE	DATE
ZHIRANG SONG	R.C.E. NO. -- # 69315		09/29/25
EXP. 06/30/2026			
DRAWN	DESIGNED	CHECKED	
J/P	J/P	Z/S	

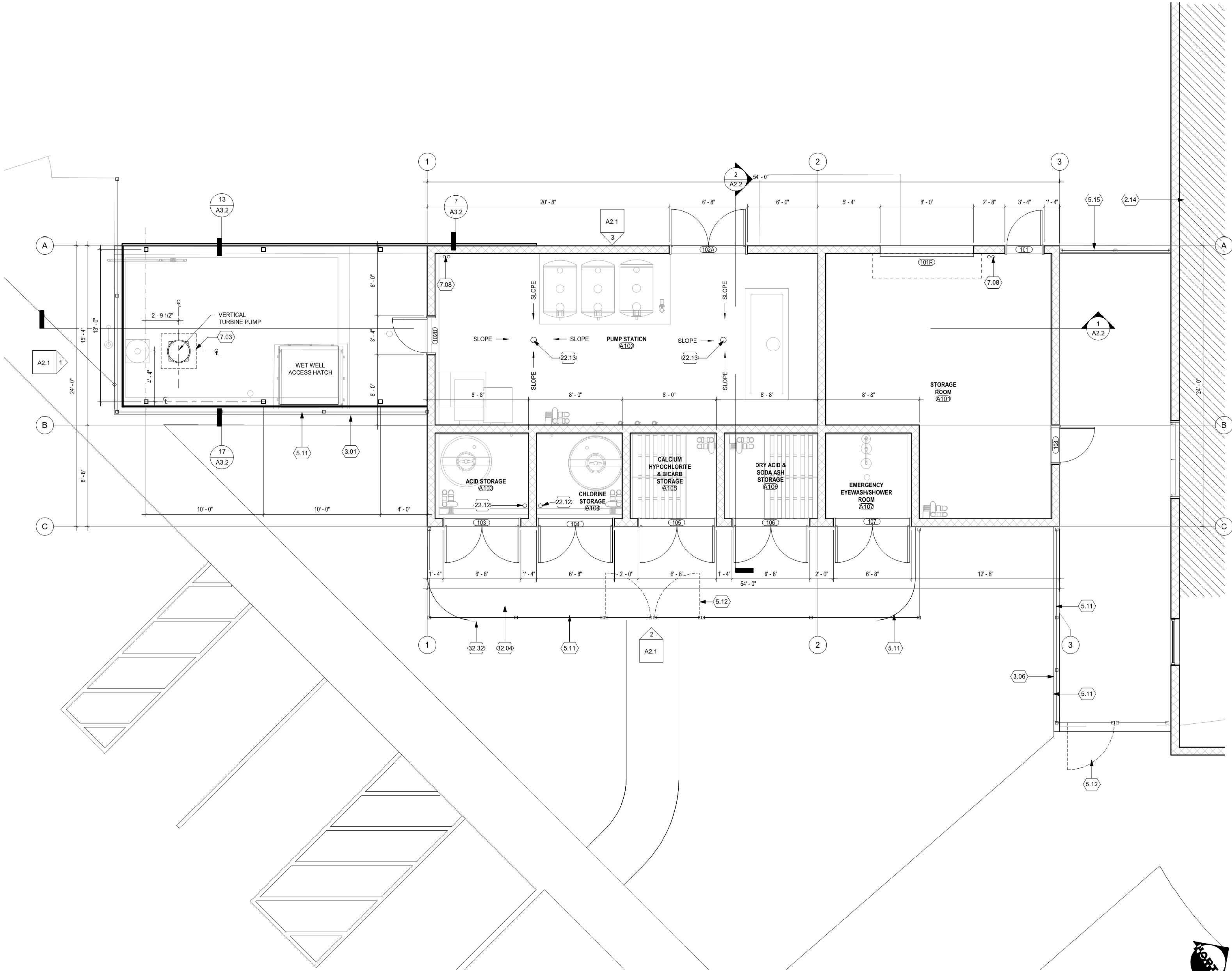
GENERAL DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA CA

C3.2

13 OF 61 SHEETS

JOB NO. C258



- KEYNOTES**
- | NO. | Note - Detail |
|-------|--|
| 2.14 | (E) BUILDING |
| 3.01 | RETAINING WALL (SEE STRUCT) |
| 3.06 | CONCRETE CURB (SEE STRUCT) |
| 5.11 | 8" HIGH WROUGHT IRON FENCE PANEL PER SHEET C1.0 |
| 5.12 | WROUGHT IRON GATE |
| 5.15 | 8" HIGH WROUGHT IRON FENCE PANEL PER SHEET C1.0 |
| 7.03 | MINIMUM 36"x36" CLR. ROOF HATCH OPENING WITH REMOVABLE FIBER GLASS COVER, CURB MOUNTED |
| 7.08 | ROOF DRAIN AND OVERFLOW DRAIN |
| 22.12 | EMERGENCY EYE-WASH STATION |
| 22.13 | FLOOR DRAIN |
| 32.04 | CONCRETE PAVING |
| 32.32 | LANDSCAPE AREA |

BUILDING CODE ANALYSIS

ITEM	REQUIREMENT	COMPLIANCE
OCCUPANCY CLASSIFICATION	U	
CONSTRUCTION TYPE	V-8	
OCC. SEPARATION REQUIRED	NO	
AUTOMATIC SPRINKLER SYSTEM	NO	

ALLOWABLE AREA
BASIC ALLOWABLE AREA (TABLE 503) 8,500 s.f.

ACTUAL AREA
PROPOSED BUILDING AREA: 1,296 s.f.
PROPOSED COVERED AREA: 730 s.f.

ALLOWABLE HEIGHT
MAX. HEIGHT IN FT./STORIES 40'-0"/1
(PER CBC TABLE 503 IN ACCORDANCE WITH SECTION 504.2)

ACTUAL HEIGHT
PROPOSED HEIGHT IN FT./STORIES 14'-0"

- FLOOR PLAN NOTES**
- ALL EXITS TO BE OPENABLE FROM INSIDE WITHOUT THE USE OF KEY AND/OR SPECIAL KNOWLEDGE OR EFFORT. U.N.O. SURFACE MOUNTED FLUSH OR SURFACE BOLTS ARE PROHIBITED.
 - PAINT ALL STEEL COLUMNS, LADDERS, METAL DOORS AND FRAMES AND STEEL RAILS PER SPECS. COLORS BY OWNER.
 - ALL INSULATION SHALL HAVE FLAME SPREAD RATE NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH U.B.C. STANDARD NO. 42-1.
 - PROVIDE 4'-0" HIGH ANGLE IRON DOOR GUARDS AT FLOOR OF EACH JAMB OF EACH OVERHEAD DOOR OPENING.
 - PROVIDE EXTERIOR MASONRY WITH SPLIT-FACED, PRECISION AND COLORS TO MATCH EXISTING BUILDING. [COLORS TO BE SELECTED BY OWNER].
 - PROVIDE EXTERIOR BLOCK FILLER AND ANTI-GRAFFITI COATING - SURE KLAEAN BLOK-GUARD & GRAFFITI CONTROL II.
 - ALL LOUVERS AND VENTS ARE TO BE COVERED WITH AN EXPANDED STEEL MESH, MEDIUM GRADE THICKNESS OVER THE INTERIOR OF THE VENT. MESH COVERING SHALL BE INTEGRAL IN THE FRAME OF VENTS/LOUVERS.
 - MAXIMUM ALLOWABLE NaOCL (CORROSIVE LIQUID) IN-USE STORAGE SHALL BE 500-LIQUID GALLONS PER CB TABLE 307.1(2)

NOTE:
ALL CONSTRUCTION SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING, FIRE, MECHANICAL, PLUMBING, ELECTRICAL, ENERGY CODE AND GREEN BUILDING CODE.

**CITY OF SANTA CLARITA
BUILDING & SAFETY**

APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)

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PACE
Advanced Water Engineering

1520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
P: (714) 481-7300 | www.pacewater.com

FLOOR PLAN 1/4" = 1'-0"

REVIEWER: Luis E. Valdez DATE: 09/30/2025 EXECUTED DATE	REVIEWER: Luis E. Valdez DATE: 09/30/2025 EXECUTED DATE
--	--

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY JMW	PROJECT ARCHITECT C-28045	EXP: 12.31.25	DRAWN BY SCALE S0-1 As indicated	DESIGNED BY S0-1	CHECKED BY JMW	DATE SEPT. 2025
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FLOOR PLAN

TITLE
**NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)**

SHEET
A1.1
15 OF 61 SHEETS
JOB NO. C258



17520 Ne
1
1/4" = 1'-0"

17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
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1/4" = 1'-0"

2556
**NEUWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)**
SANTA CLARITA CA

SHEET

A1.2

JOB NO. C258

R:\C258\Engineering\C258-04 (100% CD)\sheets\C258-04 A1.2 ROOF AND REFLECTED CEILING PLAN.dwg - Tab: 16 - by penderqhost on 09/29/25 at 1:18:45 PM



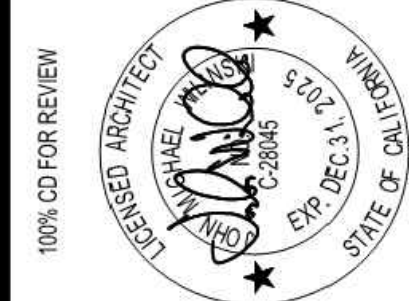
ROOF PLAN	2
	1/4" = 1'-0"

NO.	Note - Detail
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- | | |
|-------|--|
| 5.08 | STEEL BEAM PER STRUCT. |
| 7.01 | PVC MEMBRANE ROOFING SYSTEM O/ RIGID INSULATION |
| 7.02 | TAPERED RIGID INSULATION CRICKET |
| 7.03 | MINIMUM 36"x36" C/LR. ROOF HATCH OPENING WITH REMOVABLE FIBER GLASS COVE, CURB MOUNTED |
| 7.04 | SHADE STRUCTURE - CORRUGATED METAL OVER STEEL FRAMING PER STRUCT. |
| 7.08 | ROOF DRAIN AND OVERFLOW DRAIN |
| 7.14 | PARAPET CAP |
| 15.03 | HEATER VENT PENETRATION PER SHEET M2.0 |
| 15.04 | EXHAUST FAN PENETRATION PER SHEET M2.0 |

ROOF NOTE:
USE TREMCO ROOFING (MEMBRANE
SYSTEM). CONTACT: DANIEL GILDAY.
DGILDAY@TREMCOINC.COM

IN ACCORDANCE WITH RESOLUTION No. 19-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO CONSIDER AND TAKE ACTION ON ANY MATTER THAT MAY BE BROUGHT TO THE CITY PUBLIC PROPERTY FOR PURPOSES OF DESIGN INMUNITY PURSUANT TO GOVERNMENT CODE SECTION 830.6 FOR THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT OF, OR A MAINTENANCE OF, OR A REPAIR OF, OR A REPLACEMENT OF, OR AN IMPROVEMENT, MODIFICATION AND DATE IS AFFIRMED.



PREPARED BY	PROJECT ARCHITECT	SCALE	DATE
Approver	C-28045	1/4" =	SECT
EXP: 12.31.25		DESIGNED BY	CHECKED BY
		Designer	Checker

**CITY OF SANTA CLARITA
BUILDING & SAFETY**

APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

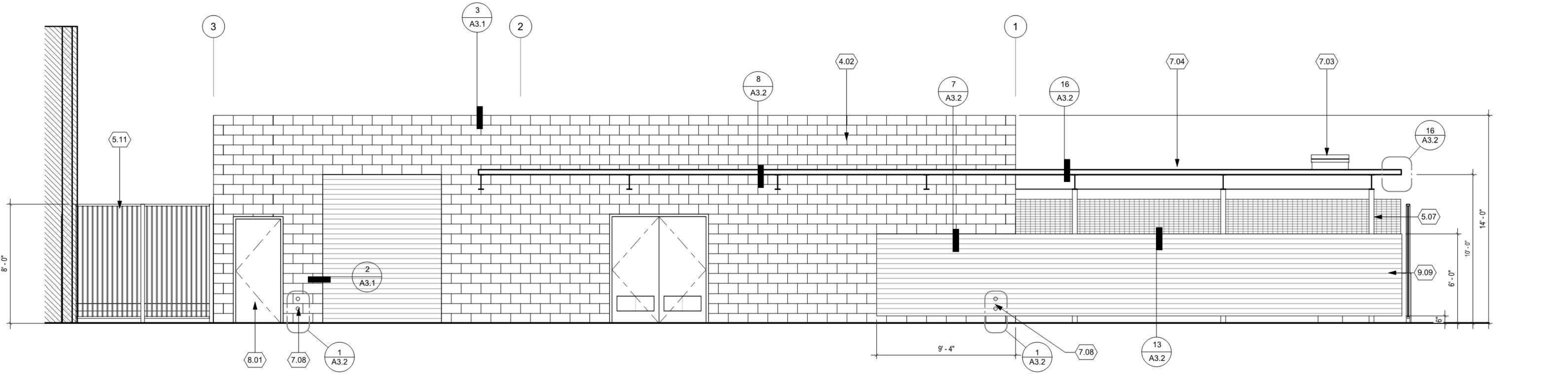


BLD25-00576 (ARCH)

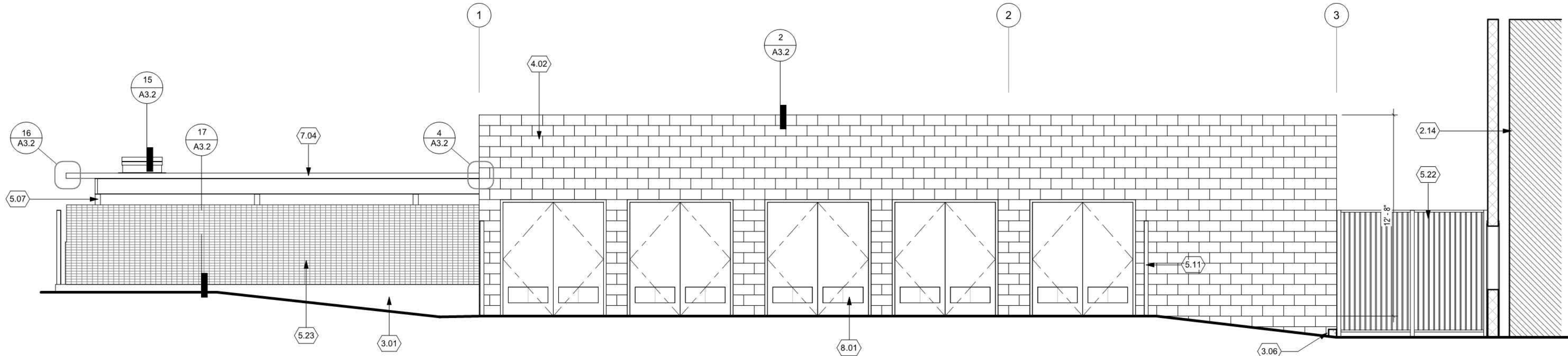
The approved plans must be available at the construction site at all times. Changes or alterations to approved plans shall not be made without written permission from the City of Santa Clarita Building & Safety Division. The approval of these plans shall not be construed to permit or approve any violation of the applicable codes, ordinances, or other laws.



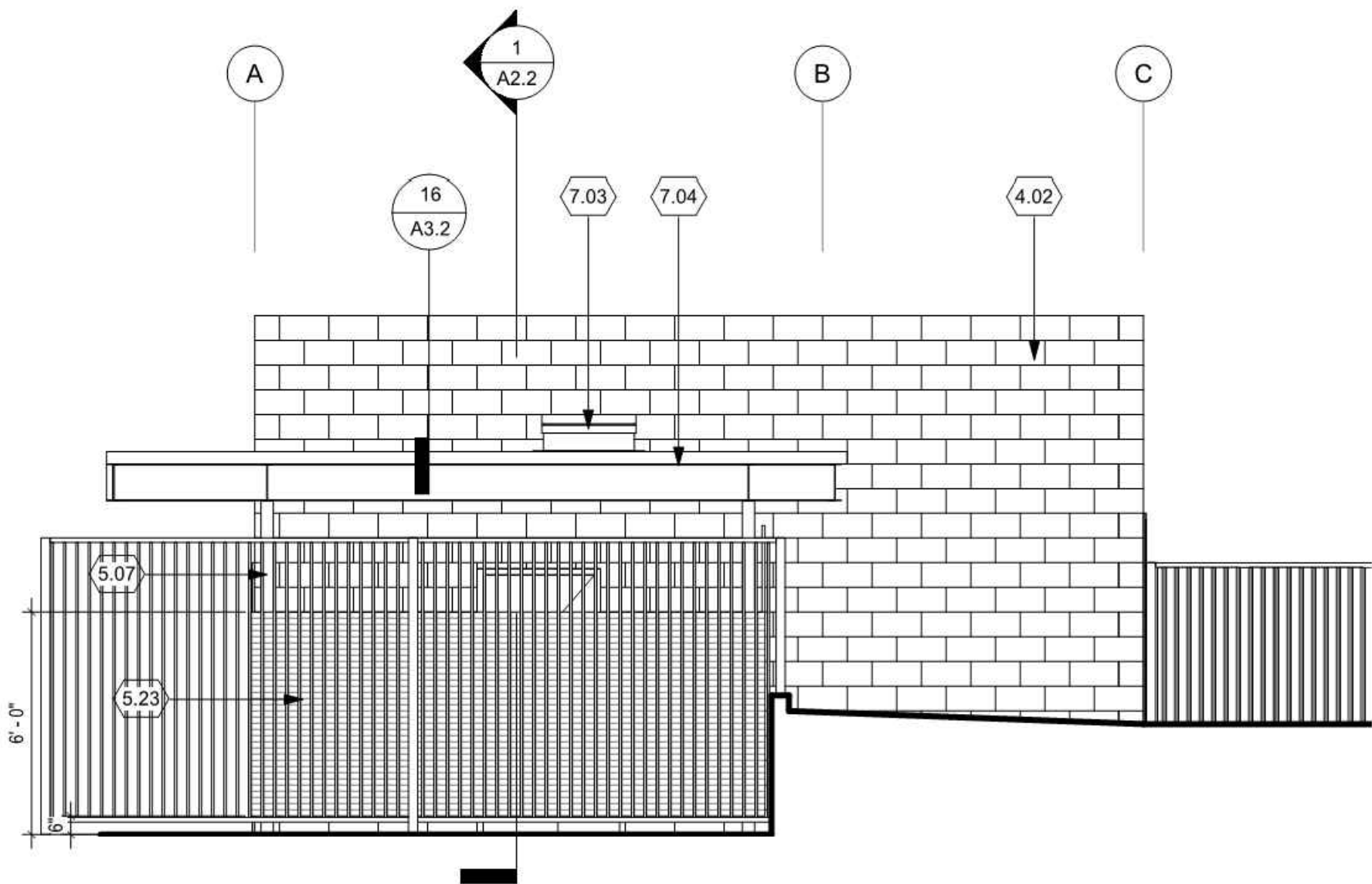
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NORTH ELEVATION 3
1/4" = 1'-0"



SOUTH ELEVATION 2
1/4" = 1'-0"



WEST ELEVATION 1
1/4" = 1'-0"

KEYNOTES

- NO. Note - Detail
- 2.14 (E) BUILDING
3.01 RETAINING WALL (SEE STRUCT)
3.06 CONCRETE CURB (SEE STRUCT)
4.02 CMU BLOCK WALL - SPLIT-FACED BLOCK
5.07 STEEL COLUMN PER STRUCT.
5.11 8" HIGH WROUGHT IRON FENCE PANEL PER SHEET C1.0
5.22 8" HIGH WROUGHT IRON GATE PER SHEET C1.0
5.23 VINYL MESH SCREEN
7.03 MINIMUM 36"x36" CLR. ROOF HATCH OPENING WITH REMOVABLE FIBER GLASS COVER, CURB MOUNTED
7.04 SHADE STRUCTURE - PER SHEET C3.2, DETAIL 16
7.08 ROOF DRAIN AND OVERFLOW DRAIN
8.01 HOLLOW MTL DOOR & FRAME - PAINTED
9.09 FIBER-CEMENT SIDING

IN ACCORDANCE WITH RESOLUTION NO. 18-16, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY SD-1	PROJECT ARCHITECT C-28045	EXP: 12/31/25	DRAWN BY SD-1	SCALE 1/4" = 1'-0"	DESIGNED BY SD-1	CHECKED BY SD-1	DATE SEPT 2025
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EXTERIOR ELEVATIONS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

SANTA CLARITA CA

A2.1

17 OF 61 SHEETS
JOB NO. C258

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen



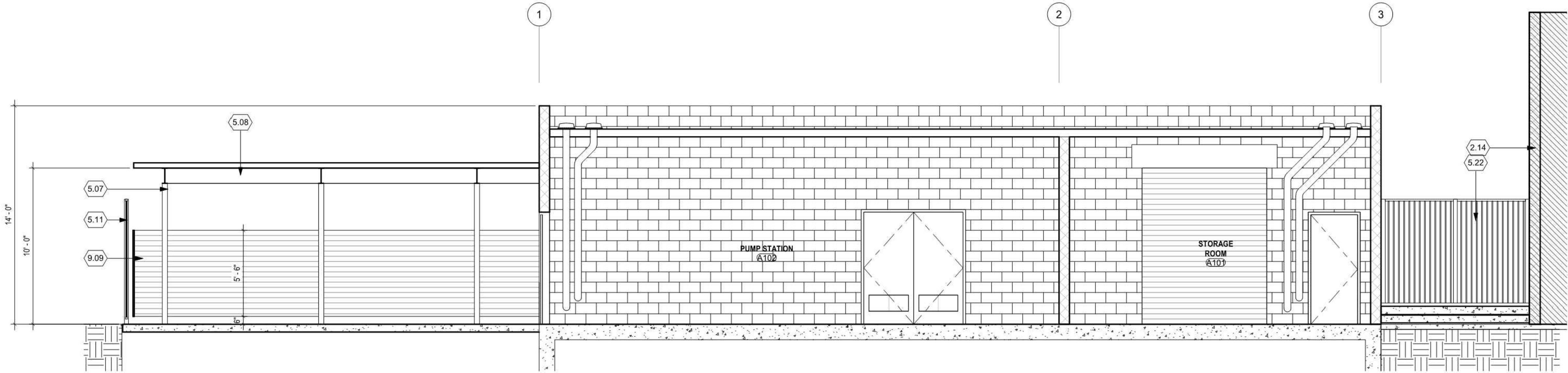
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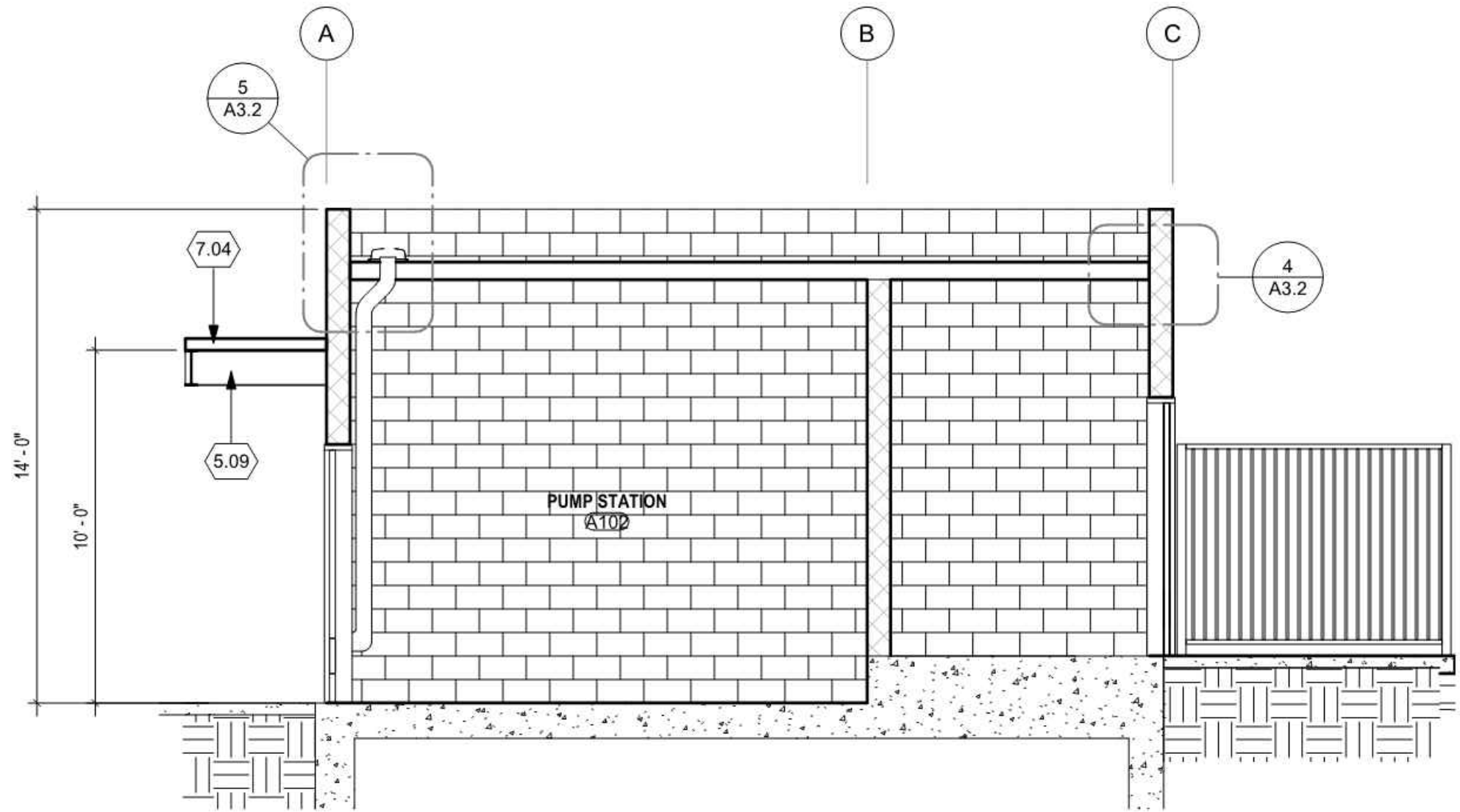
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100% CD FOR REVIEW

Sep. 29, 2025



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



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

KEYNOTES

- | NO. | Note - Detail |
|------|---|
| 2.14 | (E) BUILDING |
| 5.07 | STEEL COLUMN PER STRUCT. |
| 5.08 | STEEL BEAM PER STRUCT. |
| 5.09 | EXPOSED STRUCT STEEL |
| 5.11 | 8" HIGH WROUGHT IRON FENCE PANEL PER SHEET C1.0 |
| 5.22 | 8" HIGH WROUGHT IRON GATE PER SHEET C1.0 |
| 7.04 | SHADE STRUCTURE - PER SHEET C3.2, DETAIL 16 |
| 9.09 | FIBER-CEMENT SIDING |

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED

Under SMC Titles
18, 19, 20, 21, 24, 25

Sep 16, 2025

F. Svendsen



BLD25-00576 (ARCH)

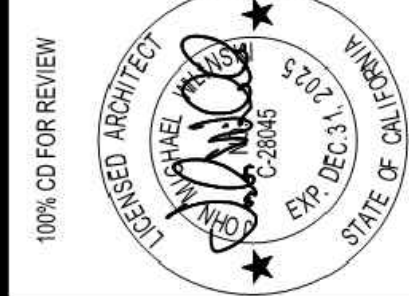
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DESIGNED BY: F. Svendsen	09/30/2025
PROJECT ARCHITECT C-28045	EXECUTOR DATE
DRAWN BY: Author	09/30/2025
DESIGNED BY: Designer	EXECUTOR DATE
CHECKED BY: Checker	

IN ACCORDANCE WITH RESOLUTION No. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, I, THE CITY ENGINEER, DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: Author	PROJECT ARCHITECT C-28045
EXP: 12.31.25	SCALE 1/4" = 1'-0"
DRAWN BY: Author	DESIGNED BY: Designer
CHECKED BY: Checker	DATE SEPT 2025

BUILDING SECTIONS

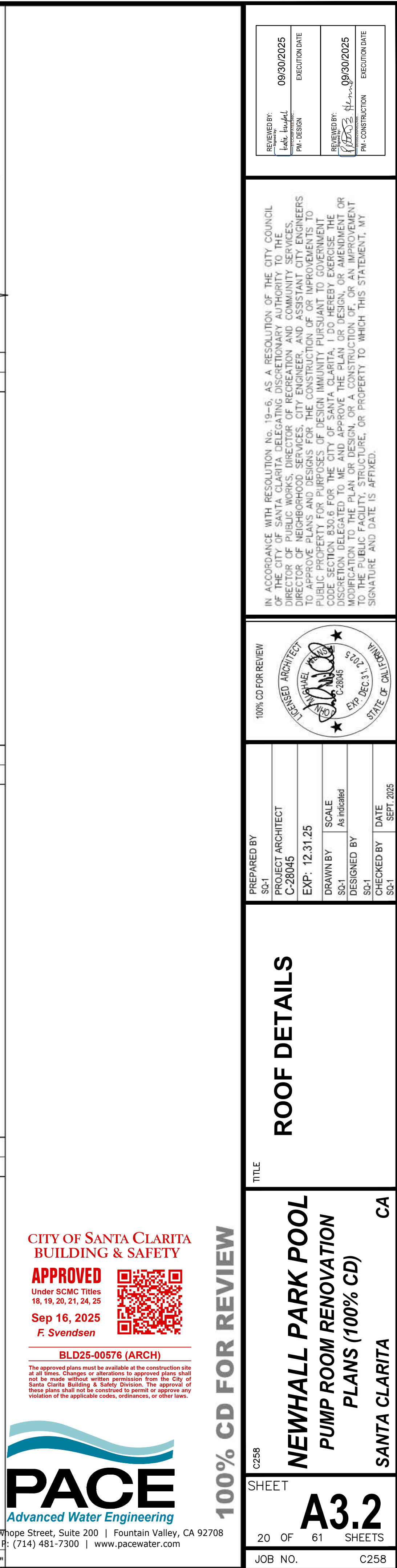
NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

SANTA CLARITA CA
A2.2
18 OF 61 SHEETS

JOB NO. C258

100% CD FOR REVIEW

P:\C258\Engineering\C258-04 (100% CD)\sheets\C258-04 A3.1 WINDOW DOOR DETAILS AND SCHEDULES.dwg - Tab: 19 - by jcenterdghost on 09/29/25 at 1:21:44 PM



GENERAL

- MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE, TITLE 24, THE ORDINANCES OF THE LOCAL BUILDING OFFICIAL, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.
- DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OR SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER OF RECORD (SEOR).
- DETAILS ON SHEETS TITLED "TYPICAL DETAILS" APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. SUCH DETAILS ARE NOT NOTED AT EACH LOCATION THAT THEY OCCUR.
- SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF FLOOR, ROOF, AND WALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE THE SIZE AND LOCATION OF OPENINGS ASSOCIATED WITH, BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL, AND PLUMBING TRUNKS. DO NOT CUT ANY STRUCTURAL MEMBER FOR PIPES, DUCTS, ETC. UNLESS SPECIFICALLY INDICATED. SUBMIT FINAL SIZING AND LOCATION REQUIREMENTS OF OPENINGS TO THE OWNER'S REPRESENTATIVE FOR REVIEW. DO NOT CUT, DRILL, CORE OR NOTCH STRUCTURAL ELEMENTS INCLUDING, BUT NOT LIMITED TO, ROOF, FLOOR, WALL AND FOUNDATION FRAMING UNLESS SPECIFICALLY DETAILED ON APPROVED PLANS OR OTHERWISE APPROVED BY THE SEOR.
- VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE ARCHITECT OF RECORD (AOR) OF DISCREPANCIES.
- DO NOT SCALE THE DRAWINGS.
- TOLERANCES SHALL BE ACCORDING TO THE BUILDING CODE.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES. NOTIFY THE AOR OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.
- PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN A REGISTERED CIVIL ENGINEER WHO IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC. VISITS TO THE SITE BY THE OWNER'S REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.
- THE CONTRACTOR SHALL SUPERVISE, DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. THE SUPPORTING SERVICES BY THE SEOR, WHETHER PERFORMED PRIOR TO, DURING, OR AFTER CONSTRUCTION, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL, AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS, BUT THEY DO NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION.
- CONSTRUCTION LOADS: EVENLY DISTRIBUTE STORED MATERIALS ON FLOORS AND ROOFS. DO NOT EXCEED ALLOWABLE LOADING FOR SUPPORTING MEMBERS AND CONNECTIONS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS RELATED WITH THIS WORK.
- CONCRETE SLAB ON GRADE HAS NOT BEEN DESIGNED BY THE SEOR FOR THE FOLLOWING:
 - ANY CONSTRUCTION LOADS (I.E. CRANES, CONCRETE TRUCKS OR ETC.)
 - ANY SPECIFIC OCCUPANT SERVICE LOADS (I.E. FORKLIFTS, STORAGE RACKS OR ETC.)
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE SEOR FOR APPROVAL PRIOR TO FABRICATION. SEOR REQUIRES 5 TO 10 WORKING DAYS FROM WHEN THE SHOP DRAWINGS ARE RECEIVED UNTIL THE TIME THEY ARE SENT OUT OF THE OFFICE. SHOP DRAWINGS WILL BE REJECTED FOR INCOMPLETENESS OR CHANGES WITHOUT PRE-APPROVAL.

DESIGN CRITERIA

- THE OBJECTIVE OF THIS WORK IS TO DESIGN A ONE-STORY CMU BUILDING WITH ADJACENT STEEL CANOPY. SCOPE ALSO INCLUDES THE REPAIR OF THE EXISTING CONCRETE LID OF THE SURGE TANK.
- DESIGN LOAD CRITERIA:

GRAVITY LOADS	
DEAD LOADS	ACTUAL BUILDING AND OPERATING EQUIPMENT WEIGHTS
ROOF LIVE LOAD	20 PSF (REDUCIBLE)
TYPICAL FLOOR LIVE LOAD	100 PSF (SURGE TANK LID)
ULTIMATE WIND LOADS	
RISK CATEGORY	II (TABLE 1604.5)
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT, G_{ci}	± 0.18 PER TABLE 26.13-1 (ENCLOSED)
DESIGN WIND SPEED, V_{ult} , V_{50}	94 MPH PER ATC TOOL, 73 MPH PER CBC EQN 16-17
ULTIMATE SEISMIC LOADS (STRUCTURE)	
IMPORTANCE FACTOR, I_e	1.0 (RISK CATEGORY II, CBC TABLE 1604.5)
MAPPED SPECTRAL ACCELERATIONS (PER GEOTECHNICAL REPORT, TABLE 1)	$S_{as} = 2.65g$, $S_{a1} = 1.99g$
SITE CLASS	D
DESIGN SPECTRAL RESPONSE COEFFICIENTS	$S_{dps} = 1.77g$, $S_{d1} = 1.32g$
SEISMIC DESIGN CATEGORY	E
BASIC SEISMIC-FORCE RESISTING SYSTEM(S)	BUILDING: SPECIAL REINFORCED MASONRY SHEAR WALLS (BEARING) CANOPY: STEEL SPECIAL CANTILEVER COLUMNS (N-S DIRECTION)
RESPONSE-MODIFICATION FACTOR(S), R	BUILDING: 5; CANOPY: 2½ (N-S DIRECTION)
OVERSTRENGTH FACTOR, Ω_o	BUILDING: 2 (SEE ASCE 7, TABLE 12.2-1, FOOTNOTE 1) CANOPY: 1½ (N-S DIRECTION)
DEFLECTION AMPLIFICATION FACTOR, C_d	BUILDING: 3½; CANOPY: 2½ (N-S DIRECTION)
SEISMIC RESPONSE COEFFICIENT, C_s	BUILDING: 0.35; CANOPY: 0.71
BASE SHEAR, V	34 KIPS (N-S), 46 KIPS (E-W)
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE (ASCE 7, SECTION 12.8)
REDUNDANCY FACTOR, ρ	1.0
ULTIMATE SEISMIC LOADS (COMPONENTS)	
IMPORTANCE FACTOR, I_p	1.0 (RISK CATEGORY II, CBC TABLE 1604.5)
COMPONENT AMPLIFICATION FACTOR, a_p	PER DETAILS
COMPONENT RESPONSE MOD FACTOR, R_p	PER DETAILS
SEISMIC HEIGHT RATIO, z/h	FLOOR: 0.0, ROOF: 1.0

3. FOUNDATIONS (BASED ON GEOTECHNICAL REPORT):

FOOTING TYPE	ALLOWABLE NET PRESSURE, d_{nl} (PSF)	MIN. W x H (IN)
TYPICAL	2,000	16x24

- ALLOWABLE COEFFICIENT OF FRICTION: 0.45
- ALLOWABLE PASSIVE PRESSURE: 200 PCF
- FRICTION AND PASSIVE PRESSURE MAY BE COMBINED IN CALCULATION OF TOTAL RESISTANCE TO SLIDING.
- A ONE-THIRD INCREASE IS APPLICABLE FOR WIND/SEISMIC LOADING.
- OVEREXCAVATION AND RECOMPACTATION ARE REQUIRED (SEE FOUNDATION PLAN AND GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION).

5. ULTIMATE WIND PRESSURES FOR COMPONENTS & CLADDING (ASCE7, CH. 30, PART 1):

A. BUILDING WALL ELEMENTS (ASCE 7, FIGURE 30.3-1):

TRIBUTARY AREA	ZONE 4 (TYPICAL) (PSF)	ZONE 5 (CORNER) (PSF)
10 SF	+18.9	-20.5
20 SF	+18.1	-19.7
50 SF	+17.3	-18.9
100 SF	+15.8	-18.1
200 SF	+15.8	-17.3
≥ 500 SF	+14.2	-15.8

B. BUILDING ROOF ELEMENTS (ASCE 7, FIGURE 30.4-2A):

TRIBUTARY AREA	TYPICAL + (PSF)	ZONE 1 - (PSF)	ZONE 1 - (PSF)	ZONE 2 - (PSF)	ZONE 3 - (PSF)
10 SF	+8.4	-32.9	-18.9	-43.5	-59.2
20 SF	+7.5	-31.2	-18.9	-40.8	-54.0
50 SF	+6.7	-27.7	-18.9	-36.4	-46.1
≥ 100 SF	+6.7	-25.9	-18.9	-34.7	-40.8

C. CANOPY ROOF ELEMENTS (ASCE 7, FIGURE 30.11-1B):

TRIBUTARY AREA	TYPICAL + (PSF)	TYPICAL - (PSF)
10 SF	+15.8	-15.8
20 SF	+15.3	-15.3
50 SF	+13.8	-13.8
≥ 100 SF	+11.4	-11.4

EXISTING CONSTRUCTION/ RETROFIT

- THE CONTRACTOR SHALL REMOVE ALL INTERFERING ITEMS FOR NEW CONSTRUCTION AND SHALL REPAIR OR REPLACE ALL REMOVED ITEMS TO MATCH THE EXISTING CONDITIONS IN ACCORDANCE WITH THE ARCHITECTURAL DRAWINGS.
- INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE AOR AND SEOR. DO NOT DEViate FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE AOR AND/OR SEOR.

SOILS AND FOUNDATIONS

- THE DESIGN OF THE FOUNDATION SYSTEM IS BASED UPON THE CRITERIA AND RECOMMENDATIONS CONTAINED IN THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT:
 - "GEOTECHNICAL INVESTIGATION REPORT: NEWHALL PARK POOL PUMP ROOM REPLACEMENT PROJECT, 24923 NEWHALL AVENUE, SANTA CLARITA, CALIFORNIA" BY AMERICAN GEOTECHNICAL, INC. DATED 06.03.24 (FILE NO. 60448-01).
- LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION.
- REMOVE ABANDONED FOOTINGS, UTILITIES, ETC. WHICH INTERFERE WITH NEW CONSTRUCTION, UON.
- NOTIFY THE AOR AND SEOR IF ANY BURIED STRUCTURES NOT INDICATED, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. ARE FOUND.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.
- REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE.
- BOTTOM OF FOOTINGS SHALL BE LEVEL. FOOTING ELEVATION CHANGES SHALL BE MADE USING FOOTING STEPS.
- EXCAVATIONS FOR FOUNDATIONS MUST BE ACCEPTED BY THE GEOTECHNICAL ENGINEER OF RECORD (GEOR) PRIOR TO PLACING REINFORCING AND CONCRETE. NOTIFY THE GEOR WHEN EXCAVATIONS ARE READY FOR INSPECTION.
- MECHANICALLY COMPACT EXCAVATION BACKFILLS IN LAYERS. PROVIDE 90% MINIMUM COMPACTION IN ACCORDANCE WITH THE ASTM D1557 TEST METHOD UON IN GEOTECHNICAL REPORT.
- SCARIFY AND RECOMPACT TOP 6 INCHES OF SOIL BENEATH FIL PER ITEM ABOVE.
- PROVIDE POSITIVE SLOPES, BOTH DURING AND AFTER CONSTRUCTION, TO DIRECT SURFACE AND ROOF RUNOFF A MINIMUM OF 10'-0" FROM BUILDING FOUNDATIONS.

FORMWORK

- PROVIDE CURING WHERE FORMS ARE REMOVED IN LESS THAN 7 DAYS.
- REMOVE FORMS AND SHORES IN ACCORDANCE WITH THE FOLLOWING:

LOCATION	REMOVE FORMS AND SHORES NO SOONER THAN
BOTTOM FORMS AND SHORES FOR MILDLY REINFORCED LID	7 DAYS AND $f_c \geq 3,500$ PSI MIN.
FOOTINGS AND CURBS/PADS	48 HOURS

REINFORCING STEEL

- REINFORCING SHALL BE FABRICATED ACCORDING TO THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION" AND SHALL CONFORM TO THE FOLLOWING UON:

LOCATION	TYPE
TYPICAL REINFORCING STEEL	ASTM A618, 60 KSI
WELDED STEEL REINFORCING (WWR)	ASTM A193, 70 KSI
- PROVIDE REINFORCING SHOWN OR NOTED CONTINUOUS IN LENGTHS AS LONG AS PRACTICABLE.
- TERMINATE REINFORCING STEEL IN STANDARD HOOKS UON OR SHOWN.
- ALL REINFORCING STEEL INTERRUPTED BY STRUCTURAL STEEL SHALL TERMINATE WITHIN 1" OF STEEL SURFACE WITH A 90° STANDARD HOOK UON.
- PROVIDE REINFORCING BAR DOWELS IN FOOTINGS, PILE CAPS AND OTHER SUPPORTING MEMBERS OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING UON. LAP SPICE AS INDICATED ON TYPICAL DETAILS.
- ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE BEFORE CONCRETE IS PLACED.
- ACCURATELY POSITION, SUPPORT AND SECURE REINFORCEMENT FROM DISPLACING DUE TO FORMWORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATE AND SUPPORT REINFORCING BY METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS AND HANGERS AT A MAXIMUM SPACING OF 3'-0".
- MECHANICAL COUPLERS, IF USED, SHALL BE:
 - BARSPICE PRODUCTS (APMO ER-0796).
 - HRC (ICC ESR-2764)
 - DAYTON SUPERIOR BAR LOCK (APMO ER-0319).
 - OR APPROVED EQUAL.
- COUPLERS FOR BEAM AND SLAB BARS AT FORMED CONSTRUCTION JOINTS MAY BE LENTON FORM SAVERS BY ERICO, (ICC ER-3997)
- WELD REINFORCING STEEL IN ACCORDANCE WITH AWS D1.4 USING E-80XX LOW HYDROGEN MOISTURE RESISTING ELECTRODES AND QUALIFIED WELDERS.
- ELECT BENDING OF REINFORCING DOWELS ALREADY EMBEDDED IN CONCRETE OR MASONRY SHALL NOT BE ALLOWED UNLESS APPROVED BY THE SEOR.
- MILL CERTIFICATES SHALL BE SUBMITTED FOR REVIEW.

CAST-IN-PLACE CONCRETE

- CONCRETE IS MILDLY REINFORCED AND CAST-IN-PLACE UON. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE SEOR.
- REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF ADDITIONAL CONCRETE CURBS AND HOUSEKEEPING PADS NOT SHOWN.
- DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF BARS AND DENOTE CLEAR COVERAGE UON.
- THE MINIMUM CONCRETE CLEAR COVER TO REINFORCING BARS IS AS FOLLOWS:

LOCATIONS	CLEAR COVER, INCHES
CONCRETE PLACED AGAINST EARTH	3
FORMED SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: #5 BARS AND SMALLER	1½
#6 BARS AND LARGER	2
SLABS ON GRADE (TOP CLEARANCE)	1½
WALL OR SLAB SURFACES NOT EXPOSED TO WEATHER OR EARTH: #5 AND SMALLER	¾
#6 AND #7	1

5. CONCRETE TYPES:

USE	f_c (PSI) (a)	MAX. SLUMP (IN)	NOMINAL MAX AGGREGATE (IN)	WATER CEMENTitious RATIO
TYPICAL UON	3,000	4±1	1	0.45

- COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS
- CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY, BEARING A REGISTERED CIVIL ENGINEER'S STAMP TO BE REVIEWED BY THE SEOR. ONCE APPROVED, A SHOP DRAWING REVIEW STAMP WILL BE ADDED BY THE SEOR.
- PORTLAND CEMENT SHALL BE TYPE V CONFORMING TO ASTM C150.
- COARSE AGGREGATE SHALL CONFORM TO ASTM C33 (NORMAL WEIGHT).
- ALL CONCRETE SHALL BE NORMAL WEIGHT (145 PCF) HARD ROCK TYPE.
- CONTINUOUSLY MOIST CURE CONCRETE SLABS-ON-GRADE FOR 7 DAYS MINIMUM. WATER FOG SPRAYS, PONDING, SATURATED ABSORPTIVE COVERS OR MOISTURE RETAINING COVERS MAY BE USED. IN LIEU OF MOIST CURING, CURING COMPOUNDS MAY BE SUBMITTED TO THE ADRSEOR FOR ACCEPTANCE.
- CONCRETE FILL THICKNESS SHOWN ON THE FRAMING PLANS ARE MINIMAL. THICKNESS, NO ALLOWANCES HAVE BEEN SHOWN FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR FRAME, DECK OR FORMWORK DEFLECTIONS TO MAINTAIN SURFACE TOLERANCES SPECIFIED.
- INCLUDE ALLOWANCE FOR ADDITIONAL CONCRETE ON FLOORS DUE TO BEAM DEFLECTION. PROVIDE LEVEL FLOOR AND MINIMUM CONCRETE COVER OVER METAL DECK AS INDICATED.
- NON-SHRINK GROUT SHALL HAVE A MINIMUM STRENGTH OF 7,000 PSI. ACCEPTABLE GROUTS INCLUDE:
 - EUCUD CHEMICAL COMPANY: EUCO-NS
 - L&M: CRYSTEX
 - MASTER BUILDERS: MASTERFLOW 713
 - FIVE STAR GROUT
- PIPES AND CONDUIT ARE TO BE PLACED IN THE MIDDLE THIRD OF SLABS AND WALLS. MAXIMUM DIAMETER SHALL BE ONE-THIRD OF SLAB OR WALL THICKNESS AND MINIMUM SPACING SHALL BE 3 DIAMETERS FROM CENTER TO CENTER.
- ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS TO 1/4" AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER AND LOOSE PARTICLES.
- AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING MASONRY, THOROUGHLY ROUGHEN CONTACT SURFACES BY LIGHT SANDBLASTING OR OTHER SUITABLE MEANS AND CLEAN OF LAITANCE, FOREIGN MATTER AND LOOSE PARTICLES.
- PROVIDE 1/4" CHAMBERS AT ALL EXPOSED CONCRETE EDGES UON.
- CONSOLIDATE CONCRETE PLACED IN FORMS BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT & PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF ACI 309 TO SUIT THE TYPE OF CONCRETE & PROJECT CONDITIONS.
- NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.

MASONRY

- MASONRY (ASSEMBLY OF MASONRY UNITS, MORTAR, AND GROUT) SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,500 PSI. PROPERTIES OF INDIVIDUAL COMPONENTS SHALL BE:

COMPONENT	ASTM	COMPRESSIVE STRENGTH (PSI)	REMARKS
MASONRY UNITS	C90	1,900	GRADE N, TYPE 1, MEDIUM WEIGHT, HOLLOW, LOAD-BEARING
MORTAR	C270	1,800	TYPE S, AGGREGATES PER ASTM C144
GROUT	C476	2,000	AGGREGATES PER ASTM C04

- COMPRESSIVE STRENGTH OF MASONRY SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD DEFINED BY THE BUILDING CODE.
- SEE "REINFORCING STEEL" NOTES FOR TYPES OF REINFORCING.
- LAP SPICES SHALL HAVE A LENGTH OF 65 BAR DIAMETERS. WHERE MULTIPLE BARS ARE INSTALLED IN A CELL OR COURSE, STAGGER LAPS A MINIMUM OF 2'-0".
- CENTER VERTICAL REINFORCING IN WALL UON.
- DOWELS FROM THE FOUNDATION SHALL MATCH THE SIZE AND SPACING OF VERTICAL REINFORCING IN MASONRY UON.
- REINFORCE OPENINGS WITH 2-#5 HORIZONTAL AT HEAD AND 1-#5 VERTICAL AT JAMBS UON. EXTEND 24" BEYOND OPENING AT EACH SIDE.
- VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT THAT MAINTAINS A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL. MINIMUM GROUT SPACE FOR VERTICAL CELLS SHALL BE 2½" X 3". DOWELS FROM FOOTINGS SHALL BE SET TO ALIGN WITH THE CORE CONTAINING VERTICAL REINFORCEMENT.
- VERTICAL REINFORCEMENT SHALL CONSIST OF ONE PIECE WITH NO SPICES AND SHALL BE CENTERED IN WALL UON. PROVIDE VERTICAL SUPPORT SPACERS AT 200 BAR DIAMETERS MAXIMUM. DOWEL REINFORCEMENT TO SUPPORTING MEMBERS WITH THE SAME SIZE AND SPACING OF REINFORCEMENT INDICATED UON.
- BED JOINT THICKNESS SHALL BE ¾" NOMINAL AND WITHIN THE TOLERANCES OF ARTICLE 3.3 F OF TMS 602. CROSS WEBS SHALL BE FULL BEDGE REINFORCING IN GEOTECHNICAL REPORT.
- VERTICAL REINFORCEMENT IN ALL COURSES OF WALLS LESS THAN 6'-0" LONG, PLASTERS, AND IN THE STARTING COURSE ON FOUNDATIONS.
- LAY UNITS IN RUNNING BOND AND MAINTAIN VERTICAL CONTINUITY OF CORES OR CELL CAVITIES. USE OPEN END UNITS AT LOCATIONS OF VERTICAL REINFORCING. PLACE HORIZONTAL REINFORCING IN BOND BEAM UNITS.
- FILL ALL CELLS SOLIDLY WITH GROUT UON. CLEAN CELLS AND BOND BEAMS OF MORTAR PROTRUSIONS AND DEBRIS BEFORE GROUTING. GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACEMENT BEFORE LOSS OF PLASTICITY IN A MANNER TO FILL THE GROUT SPACE.
- PROVIDE THE FOLLOWING MINIMUM CLEARANCES:

LOCATIONS	CLEARANCES
BETWEEN REINFORCING AND INSIDE FACE OF MASONRY UNITS	½"
BETWEEN PARALLEL BARS	1"
EMBEDDED BOLTS	1" ALL AROUND

- LOW-LIFT GROUTING: LAY UNITS A MAXIMUM OF 4'-0" HIGH BEFORE GROUTING. PLACE GROUT CONTINUOUSLY IN LIFTS NOT EXCEEDING 4'-0". COMPLETELY GROUT THE FULL HEIGHT OF THE WALL SECTION IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR.
- HIGH-LIFT GROUTING: LAY UNITS A MAXIMUM OF 12'-0" HIGH BEFORE GROUTING. PLACE GROUT CONTINUOUSLY IN LIFTS NOT EXCEEDING 6'-0". COMPLETELY GROUT THE FULL HEIGHT OF THE WALL SECTION IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR. PROVIDE CLEANOUTS AT EVERY CELL ALONG THE BOTTOM COURSE OF EACH GROUT LIFT. USE Sika GROUT AND TYPE 1 OR E-2 MIX AD MIXTURE IN THE GROUT TO REDUCE EARLY WATER LOSS AND PRODUCE AN EXPANSIVE ACTION.
- PROVIDE VERTICAL CONTROL JOINTS IN WALLS AT LOCATIONS SHOWN ON THE DRAWINGS.
- PIPES, CONDUITS AND SLEEVES SHALL NOT BE USED IN WALLS LESS THAN 6'-0" LONG OR PLASTERS UNLESS SPECIFICALLY DETAILED UON. GAS OR VAPORS SHALL NOT BE EMBEDDED IN MASONRY CONDUITS, PIPES AND SLEEVES SHALL BE ALUMINUM AND SHALL BE COMPATIBLE WITH MASONRY. PIPES, CONDUITS AND SLEEVES SHALL BE SPACED 3 DIAMETERS ON CENTER MINIMUM.

STRUCTURAL STEEL

- DETAIL, FABRICATE AND ERECT IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UON:

SECTIONS	TYPE
WIDE FLANGES	ASTM A992, GR 50
CHANNELS, ANGLES & PLATES (PL)	ASTM A36
STEEL PIPE	ASTM A53, GR B
COLD FORMED HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GR C
HIGH STRENGTH BOLTS (HSB)	ASTM A325N (ST UON AS PT)
MACHINE BOLTS (MB)	ASTM A307, GR A
WELDED HEADED STUDS (WHS)	ASTM A108, GR 1015 THROUGH 1020
NUTS (HEAVY HEX)	ASTM A563
HARDENED WASHERS	ASTM F436
BEVELED WASHERS	ANSI B18.23.1

- PROVIDE NATURAL CAMBER UP, EXCEPT AT CANTILEVERS UON. AT CANTILEVERS, PROVIDE CAMBER SUCH THAT THE TIP OF THE CANTILEVER IS ABOVE THE FINAL ELEVATION.
- SLICE MEMBERS ONLY WHERE INDICATED.
- BOLTED CONNECTIONS SHALL USE 1/4" DIAMETER A325 BOLTS IN BEARING TYPE CONNECTIONS UON. PROVIDE A MINIMUM OF TWO BOLTS PER CONNECTION.
- WHERE SLOTTED HOLES ARE INDICATED, CENTER BOLTS IN SLOTS UON. HAND TIGHTEN NUT, PROVIDE SECOND NUT SNUG-TIGHTENED AGAINST FIRST, THEN SPOT REMAINING THREADS.
- DIAMETER OF BOLT HOLE SHALL BE 1/16" LARGER THAN THE BOLT'S DIAMETER UON. USE STANDARD AISC GAGE AND PITCH FOR BOLTS UON.
- PROVIDE BEVELED WASHERS ON SLOPING SURFACE OF CONNECTIONS FOR FULL BEARING.
- IF DRILLING HOLES AT STEEL MEMBERS TO ACCOMMODATE THE CONCRETE OR MASONRY ANCHORS IS REQUIRED, THE DRILLING MUST BE DONE AFTER THE ANCHORS HAVE BEEN INSTALLED. THE HOLES AT STEEL MEMBERS SHALL MATCH THE LOCATION OF INSTALLED ANCHORS.
- PAINT ALL STRUCTURAL STEEL WITH WEATHERRUST RESISTANT PAINT ACCORDANCE WITH THE ARCHITECTURAL DETAILS UON.
- ALTERNATE TO PAINT: HOT DIP GALVANIZE STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER IN ACCORDANCE WITH ASTM A123 AND ASTM A153. REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A786.
- STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO VIEW IN THE COMPLETED BUILDING ARE DESIGNATED ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AEES).
- THE CONTRACTOR SHALL SUBMIT ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL SHOP DRAWINGS TO THE SEOR FOR APPROVAL PRIOR TO FABRICATION.
- NON-SHRINK GROUT SHALL BE PLACED BELOW BASE PLATES PRIOR TO ADDING VERTICAL LOAD.
- ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
- TOP OF STEEL (TOES) ELEVATIONS NOTED ON THE DRAWINGS ARE GIVEN AS AN AND TO THE CONTRACTOR. THE CONTRACTOR MUST VERIFY THE DIMENSIONS PRIOR TO THE AOR AND SEOR REVIEW OF THE STRUCTURAL STEEL SHOP DRAWINGS. THE SEOR ASSUMES NO RESPONSIBILITY FOR TOP OF STEEL ELEVATIONS.
- STRUCTURAL STEEL BELOW GRADE SHALL HAVE 3" MINIMUM OF CONCRETE COVER.
- SPECIAL INSPECTION IS REQUIRED FOR SHOP FABRICATION WHEN IT INVOLVES WELDING, THERMAL CUTTING OR HEATING UNLESS THE FABRICATOR IS APPROVED IN ACCORDANCE WITH CBC SECTION 1704.2.5.1. SEE "STRUCTURAL TESTS & SPECIAL INSPECTIONS" SECTION OF GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
- MANUFACTURER'S CERTIFIED MILL TEST REPORTS SHALL BE SUBMITTED FOR REVIEW.

STRUCTURAL STEEL WELDING

- WELDERS SHALL BE CERTIFIED BY THE AWS AND THE GOVERNING JURISDICTION.
- USE THE MINIMUM SIZE OF WELDING IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION AT STEEL TO STEEL JOINTS UNLESS A LARGER WELDING SIZE IS SPECIFIED ON THE PLANS.
- WHERE LENGTH OF WELDING IS NOT SHOWN, IT SHALL BE FULL LENGTH OF JOINT. ALL BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS UON.
- WHERE FIELD WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY.
- ARC-WELDING ELECTRODES/FILLER METALS SHALL BE LOW HYDROGEN TYPES E70TXX, E70TXX OR E70XXX MINIMUM AS APPLICABLE. ELECTRODES WITH CHARTY V-NOTCH (CVN) TEST VALUES OF A MINIMUM OF 20 FT-LB AT -20 DEG F ARE TO BE USED AT THE FOLLOWING LOCATIONS:
 - CANOPY COLUMNS TO EMBED PLATES.
- FACES OF FILLET WELDS NOT EXPOSED TO VIEW SHALL HAVE AS-WELDED SURFACES THAT ARE REASONABLY SMOOTH AND UNIFORM. NO FINISHING OR GRINDING SHALL BE REQUIRED EXCEPT WHERE CLEARANCES OR FIT OF OTHER ITEMS MAY SO NECESSITATE.
- ALL COMPLETE AND PARTIAL PENETRATION WELDS WHICH ARE EXPOSED TO VIEW SHALL BE GROUND SMOOTH AND FLUSH WITH FINISH SURFACE OF STEEL. HOLES SHALL BE FILLED WITH WELD METAL AND SMOOTHED BY GRINDING OR FILING.
- CLEAN GROOVE PREPARATION THERMAL CUTS BY GRINDING.
- WELDS SHALL BE TERMINATED AT THE END OF A JOINT IN A MANNER THAT WILL ENSURE SOUND WELDS.
- TO ASSURE THE PROPER AMPERAGE AND VOLTAGE OF THE WELDING PROCESS, A HANDHELD CALIBRATED AMP AND VOLT METER SHALL BE USED. AMPERAGE AND VOLTAGE SHALL BE MEASURED AT THE ARC WITH THIS EQUIPMENT. TRAVEL SPEED AND ELECTRODE STICK OUT SHALL BE VERIFIED TO BE IN COMPLIANCE WITH THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS AND WITH THE APPROVED WELDING PROCEDURE SPECIFICATION.
- CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR FIELD WELDING.

WELDING INSPECTION AND TESTING

- IN ADDITION TO VISUAL INSPECTION AND REVIEW OF CONTRACTOR'S FABRICATION AND ERECTION REPORTS, THE OWNER'S STEEL TESTING AGENCY SHALL PERFORM THE INDICATED INSPECTION AND TESTING. THE STEEL TESTING AGENCY SHALL BE CERTIFIED BY THE BUILDING AUTHORITY AND SHALL PROVIDE REGISTERED INSPECTORS FOR CONTINUOUS INSPECTION OF ALL STEEL FABRICATION AND ERECTION, STRUCTURAL WELDING AND TESTING OF MATERIALS.
- BASE METAL THICKER THAN 1½" SUBJECTED TO THROUGH THICKNESS WELD SHRINKAGE, SHALL BE ULTRASONICALLY TESTED 48 HOURS OR MORE AFTER COMPLETION OF WELDING.
- ALL WELDS SHALL BE VISUALLY INSPECTED AND PERIODICALLY MEASURED.
- AMPERAGE, VOLTAGE, POLARITY, AND ELECTRODE STICK OUT SHALL BE VERIFIED TO BE IN COMPLIANCE WITH THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS.
- ALL SHOP WELDING SHALL BE PERFORMED IN AN APPROVED FABRICATOR'S SHOP IN ACCORDANCE WITH CBC SECTION 1704.2.5.1. IF THIS CRITERIA IS NOT MET, THEN SPECIAL INSPECTION IS REQUIRED.

WELDING SUBMITTALS

- PROVISION FOR WELDING HEAT EFFECTS: A SEQUENCE OF FIELD WELDING SHALL BE PLANNED TO MINIMIZE RESIDUAL STRESSES AND DISTORTION AND SHALL BE SUBMITTED TO THE SEOR AT TIME OF SHOP DRAWING SUBMITTAL. ANY PROPOSED DEVIATIONS FROM THE DETAILS SHOWN ON THE DRAWINGS SHALL BE APPROVED BY THE SEOR. THE PROCEDURES AND THE DETAILS USED SHALL RESULT IN COMPLETED CONNECTIONS, WHICH ARE IN FULL COMPLIANCE WITH THE INTENT OF THE DETAILS SHOWN ON THE DRAWINGS. THE SEQUENCE OF FIELD WELDING, BOTH IN THE JOINTS AND FRAMES AS A WHOLE, SHALL BE SUBMITTED TO THE SEOR FOR APPROVAL. NO FIELD WELDING SHALL BE PERFORMED PRIOR TO APPROVAL.
- A WRITTEN WELDING PROCEDURE SPECIFICATION PER AWS SHALL BE DEVELOPED BY THE CONTRACTOR AND REVIEWED/STAMPED BY A CERTIFIED WELDING INSPECTOR (CWI), THEN
- SUBMITTED TO THE SEOR FOR APPROVAL.
- OUR SHOP DRAWING STAMP WILL BE ADDED TO THE WPS UPON OUR APPROVAL.
- ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS. NON-PREQUALIFIED WELDED JOINTS SHALL BE QUALIFIED BY TEST AND PROCEDURE QUALIFICATION TEST RECORD PER AWS.
- THE WELDING PROCEDURE SPECIFICATION SHALL INCLUDE THE WELDING PARAMETERS RECOMMENDED BY THE ELECTRODE MANUFACTURER AND SHALL INCLUDE THE FOLLOWING INFORMATION:
 - THE NECESSARY INFORMATION REQUIRED BY THE CODE AND ANY OTHER INFORMATION NECESSARY TO PRODUCE WELDS.
 - THE APPLICABLE BASE METAL TYPES AND THICKNESS.
 - THE WELDING JOINT DETAILS INCLUDING JOINT TYPE, WELD TYPE, JOINT GEOMETRY AND APPLICABLE DIMENSIONS.
 - THE WELD PASSES IN SKETCH INCLUDING LAYER THICKNESS (¼" MAXIMUM) AND BEAD WIDTH (¼" MAXIMUM).
 - THE SEQUENCE OF DEPOSITION.
 - THE APPLICABLE WELDING PROCESS.
 - THE POSITION OF WELDING.
 - THE FILLER METAL, ELECTRODE SPECIFICATION, CLASSIFICATION AND DETAILS REGARDING SHIELDING MATERIAL.
 - THE MINIMUM PRE-HEAT REQUIREMENTS, INTERPASS TEMPERATURES AND POST WELD HEAT TREATMENT.
 - THE APPLICABLE ELECTRICAL CHARACTERISTICS FOR THE PROCESS.
 - THE SPECIFIC VALUES REQUIRED FOR EACH WELDING PASS.
 - THE ELECTRODE TYPE AND DIAMETER. ALL ELECTRODES SHALL BE LOW HYDROGEN TYPES.
 - THE TYPE OF CURRENT AND ACCEPTABLE RANGES OF CURRENT MEASURED IN AMPERE.
 - THE MANUFACTURER'S RECOMMENDED MELT-OFF RATE, DEPOSITION RATE AND WIRE FEED SPEED FOR WIRE FEED PROCESSES.
 - THE VOLTAGE.
 - THE ACTUAL FIELD TRAVEL SPEED AND MANUFACTURER'S DATA FOR TRAVEL SPEED.
 - THE ELECTRODE EXTENSION FOR WIRE FEED PROCESSES.
 - THE AMPERAGE, VOLTAGE, ELECTRODE EXTENSION AND ACCEPTABLE RANGES OF MANUFACTURER'S RECOMMENDATIONS.
 - THE ELECTRODE MANUFACTURER'S TECHNICAL INFORMATION.

STRUT FRAMING & COMPONENTS

- ALL MISCELLANEOUS STRUTS AND COMPONENTS SHALL BE UNISTRUT OR APPROVED EQUAL (WITH SEOR APPROVAL).
- STRUT FRAMING SHALL BE 12 GAUGE. EITHER ASTM A1011 SS GR 33, OR ASTM A653 GR 33. HEX HEAD CAP SCREW (HCS) CONNECTORS SHALL MEET OR EXCEED ASTM A307 CRITERIA. FITTINGS SHALL CONFORM TO ASTM A575, A576, A563 OR A36 AND MEET THE PHYSICAL REQUIREMENTS OF ASTM A1011 SS GR 33.
- ALL STRUT EXPOSED TO WEATHER SHALL BE PG OR HDG. ALL FASTENERS EXPOSED TO WEATHER SHALL BE HDG OR STAINLESS STEEL.
- SEE PLANS FOR SIZES AND TYPES OF STRUT USED.
- TYPICAL SCREWS SHALL BE ¾" HEX HEAD CAP SCREWS (HCS) UON.
- TYPICAL SPRING NUT SHALL BE P1010 FOR ¾" HCS (OR TO MATCH SCREW WHEN OTHER SIZE IS SPECIFIED).
- THREADED ROD SHALL BE ¾" HTHR, A307 OR A36 ALL 3-THREADED ROD.
- PROVIDE THE FOLLOWING STRUT TYPES (UON ON DRAWINGS):
 - SOLID STRUT: TYPICAL (UON, REQUIRED FOR SCREWED CONNECTIONS).
 - HS (HOLES): BOLTED CONNECTIONS (NO ADDITIONAL DRILLING ALLOWED).
 - T (SLOTS): ROD STIFFENERS (REQUIRED), GRAVITY TRAPEZE (NO ADDITIONAL DRILLING ALLOWED).
- DRILL STANDARD HOLE FASTENER DIAMETER 1/16" 1" FOR ALL CONNECTIONS THROUGH SOLID FACE OF STRUT.
- INSTALLATION TORQUE OF ALL HCS SHALL BE 6 FT-LBS (¾"), 19 FT-LBS (½") AND 50 FT-LBS (½").

STEEL DECK

- STEEL ROOF DECK SHALL HAVE MINIMUM SECTION PROPERTIES AS SHOWN ON THE "TYPICAL DETAILS".
- ALL ROOF DE

LUMBER

1. WOOD DIMENSION LUMBER SHALL BE VISUALLY GRADED DOUGLAS FIR-LARCH PER WCLB AND SHALL BE SURFACED DRY (19% MOISTURE CONTENT MAXIMUM). STRUCTURAL FRAMING MEMBERS SHALL BE S4S AND GRADE MARKED AS FOLLOWS UON:
- A. TYPICAL UON: No. 2
B. 6x AND LARGER BEAMS: No. 1
2. SHEATHING SHALL BE APA RATED, MANUFACTURED WITH EXTERIOR GLUE AND 32/16 MINIMUM SPAN RATING (SEE DRAWINGS FOR GRADE) AND SHALL CONFORM TO:
- A. 5-PLY PLYWOOD MANUFACTURED TO VOLUNTARY PRODUCT STANDARD PS 1-19
B. WOOD-BASED STRUCTURAL USE PANELS CONFORMING TO VOLUNTARY PRODUCT STANDARD PS 2-18
3. USE ASTM A307 MACHINE BOLTS UON. PROVIDE MALLEABLE IRON OR STEEL PLATE WASHERS UNDER NUTS AND BOLT HEADS AND LAG SCREWS BEARING ON WOOD PER THE FOLLOWING TABLE:

BOLT OR SCREW DIAMETER	SQUARE PLATE WASHER SIZE	ROUND PLATE WASHER SIZE	MALLEABLE IRON WASHER SIZE
1/2"	2"x2"x1/4"	2"xΦ x 3/16"	2"xΦ x 1/4"
5/8"	2 1/2"x2 1/2"x1/4"	2 1/2"Φ x 1/4"	2 1/2"Φ x 1/4"
3/4"	2 3/4"x2 3/4"x1/4"	3"Φ x 1/4"	3"Φ x 7/16"

4. CUT WASHERS SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT FROM THE SEOR.
5. PROVIDE HOT-DIPPED, ZINC-COATED GALVANIZED OR STAINLESS STEEL FASTENERS (NAILS, BOLTS, WASHERS, NUTS, ETC.) AT ALL PRESSURE-PRESERVATIVE TREATED (PT) & FIRE-RETARDANT TREATED (FRT) MEMBERS.
6. MINIMUM NAILING SHALL COMPLY WITH CBC TABLE 2304.10.2. NAILS SHALL BE COMMON WIRE NAILS (OR AS SPECIFIED FOR ACCESSORIES OF HARDWARE CONNECTORS) WITH PROPERTIES PER THE FOLLOWING TABLE:

NAIL SIZE	DIAMETER x LENGTH
8d	0.131" x 2 1/2"
10d	0.148" x 3"
16d	0.162" x 3 1/2"

7. SHEATHING NAILING SHALL HAVE A MINIMUM EDGE DISTANCE OF 3/16". NAIL HEADS SHALL BE FLUSH WITH TOP SURFACE OF SHEATHING. SINKING NAIL HEADS IS PROHIBITED.
8. PROVIDE SHEATHING EDGE NAILING AROUND OPENINGS.
9. NAILING SHALL BE ACCOMPLISHED WITHOUT SPLITTING WOOD. CONTACT THE SEOR FOR ALTERNATE METHOD IF SPLITTING OCCURS.
10. HARDWARE CONNECTORS AND ACCESSORIES SHALL BE SIMPSON STRONG-TIE CONNECTORS OR APPROVED EQUAL.
11. SILL PLATES IN DIRECT CONTACT WITH CONCRETE, MASONRY, OR EARTH SHALL BE TREATED WOOD OR APPROVED EQUAL. TREATED WOOD SHALL BE TREATED WITH ALKALINE COPPER QUAT (ACQ-C AND ACQ-D), CARBONATE AZOLE (CBA-A), OR COPPER AZOLE (CA-B).
12. SOLID BLOCKING SHALL BE PLACED BETWEEN JOISTS AT POINTS OF SUPPORT AND POINTS WHERE SHEATHING IS DISCONTINUOUS.
13. WOOD MEMBER WITH WANE SHALL NOT BE LOCATED AT SHEATHING JOINT.
14. NO STRUCTURAL MEMBER SHALL BE CUT WITHOUT THE APPROVAL OF THE SEOR.
15. HARDWARE CONNECTING WOOD MEMBERS SHALL BE RECESSED WHEN REQUIRED BY ARCHITECTURAL FINISH. VERIFY WITH ARCHITECTURAL DRAWINGS TYPICAL.
16. PROVIDE HOT-DIPPED, ZINC-COATED GALVANIZED WASHERS FOR ALL SILL PLATE ANCHOR BOLTS. EITHER 1/2"x2"x2" PLATE WASHERS OR SIMPSON BP WASHERS ARE ACCEPTABLE.
17. AT BOLTS (INCLUDING AT HOLDOWNS), NUTS SHALL BE TIGHTENED TO FINGER TIGHT PLUS ONE-HALF TURN JUST PRIOR TO COVERING THE WALL FRAMING.
18. BOLT HOLES AT WOOD MEMBERS SHALL NOT BE MORE THAN 1/16" LARGER THAN THE BOLT DIAMETER.
19. SIMPSON HARDWARE AND FASTENERS IN CONTACT WITH TREATED WOOD SILL PLATES SHALL BE ZMAX COATED. ALL NAILS INTO TREATED MEMBERS AND SILL PLATES SHALL BE HOT-DIPPED GALVANIZED OR SIMPSON ZMAX COATED NAILS.
20. SOLID BLOCKING OR EQUIVALENT CROSS-BRIDGING SHALL BE INSTALLED BETWEEN ALL ROOF JOISTS AT THE SPACING PER CODE.

EXPANSION (WEDGE) ANCHORS

1. WHEN INSTALLING DRILLED-IN ANCHORS IN NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING.
2. EXPANSION ANCHORS INTO CONCRETE SHALL BE HILTI KB-T22 (ICC ESR-4266).
3. EXPANSION ANCHORS INTO MASONRY SHALL BE HILTI KB-T22 (ICC ESR-4561).
4. INSTALL ANCHORS IN ACCORDANCE WITH THE ICC REPORT.
5. EFFECTIVE EMBEDMENTS (h_{ef}) ARE SHOWN ON DETAILS.
6. PROVIDE STAINLESS STEEL (SS) FASTENERS FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER. PROVIDE CARBON STEEL (CS) ANCHORS AT INTERIOR LOCATIONS UON.
7. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON HOLE AND SHIFT LOCATION TO AVOID THE REINFORCEMENT. IF THE ANCHOR MAY NOT BE SHIFTED AS NOTED BELOW, CONTACT THE SEOR.
8. WHEN SHIFTING/RELOCATING AN ANCHOR, PROVIDE A MINIMUM OF TWO ANCHOR DIAMETERS OR 1", WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE ANCHOR AND THE ABANDONED HOLE.
9. FILL ABANDONED ANCHOR HOLES WITH NON-SHRINK GROUT.
10. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES. MEMBERS OR OTHER STEEL ASSEMBLIES ATTACHED WITH ANCHORS.
11. INSTALL ANCHORS TO THE FOLLOWING SPECIFICATIONS:

ANCHOR DIAMETER (IN)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
EFFECTIVE EMBED, h _{ef} (IN)	1 1/2	2 1/2	2 3/4	2 3/4	3 3/4	4	4	3 3/4
NOMINAL EMBED, h _{nom} (IN)	1 1/4	3	3	3 3/4	3 3/4	4 1/4	4 1/4	4 1/4
MIN HOLE DEPTH, h _h (IN)	2	3 1/4	3 3/4	3 3/4	4 1/4	4 1/4	4 1/4	4 1/4
INSTALL TORQUE (LB-FT) ⁽¹⁾	4	6	30	50	40	40	60	40
MIN THICKNESS, t _{min} (IN)	3/4	5	5	5	5	5 1/2	6	6
MIN EDGE DIST, d _{min} (IN) ⁽¹⁾	1 1/2	2 1/2	2 1/4	2 1/4	4 1/4	4	3 3/4	3 1/4
FOR s ≥ (IN) ⁽¹⁾	1 1/2	5	9 1/4	4 1/4	6 1/4	7	5 1/4	7 1/4
MIN SPACING, s _{min} (IN) ⁽¹⁾	1 1/2	2	2 1/4	3	2 1/4	4 1/4	2 1/4	3 3/4
FOR c ≥ (IN) ⁽¹⁾	1 1/2	4	3 1/4	8	5	5 1/4	7	4

- NOTES
1. TWO VALUES SHOWN WHEN DIFFERENT FOR CS & SS RESPECTIVELY PER TABLE 3 OF THE ICC REPORT.

ANCHORS IN MASONRY:

ANCHOR DIAMETER, IN	1/4	3/8	1/2	3/4	1
EFFECTIVE EMBED, h _{ef} (IN)	1 1/2	2 1/2	3 1/4	4	4 1/4
NOMINAL EMBED, h _{nom} (IN)	1 1/4	3	3 3/4	4 1/4	5
MIN HOLE DEPTH, h _h (IN)	2	3 1/4	4 1/4	4 1/4	5 1/4
INSTALL TORQUE (LB-FT) ⁽¹⁾	4	6	15	25	30
MIN SPACING, s _{min} (IN)	3	3	4	5	6

- NOTES
1. TWO VALUES SHOWN WHEN DIFFERENT FOR CS & SS RESPECTIVELY.
2. MAINTAIN A MINIMUM EDGE DISTANCE PER TABLE ABOVE AND MINIMUM ANCHOR SPACING OF 3 TIMES THE ANCHOR EMBEDMENT UON. CONTACT SEOR IF THIS CANNOT BE ACCOMPLISHED.
3. SPECIAL INSPECTIONS OF POST-INSTALLED ANCHOR INSTALLATIONS (PER CBC 1705.3) MUST BE PERFORMED BY AN APPROPRIATELY QUALIFIED SPECIAL INSPECTOR EMPLOYED BY AN APPROVED AGENCY RETAINED BY THE OWNER.

ADHESIVE DOWELS

1. WHEN INSTALLING DRILLED-IN DOWELS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS.
2. DOWELS INTO CONCRETE SHALL BE INSTALLED WITH ONE OF THE FOLLOWING MATERIALS UON:
- A. HILTI HIT-HY 200 V3 (ICC ESR-4868)
B. HILTI HIT-RE 500 V3 (ICC ESR-3814)
C. SIMPSON SET-3G (ICC ESR-4057)
3. DOWELS INTO MASONRY SHALL BE INSTALLED WITH ONE OF THE FOLLOWING MATERIALS UON:
- A. HILTI HY-270 (ICC ESR-4143)
B. SIMPSON SET (ICC ESR-1772)
C. SIMPSON SET-3G (ICC ESR-4844)
4. ADHESIVE DOWELS SHALL BE INSTALLED IN ACCORDANCE WITH THE ICC REPORT & THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI) INCLUDED WITH THE ADHESIVE PRODUCT. REQUIREMENTS FOR MOISTURE CONDITION AND TEMPERATURE OF CONCRETE AT TIME OF INSTALLATION AND REQUIREMENTS FOR HOLE DRILLING (HOLE DIAMETER, DEPTH AND CLEANING/PREPARATION) ARE NOTED IN THE ICC REPORT AND MPI DOCUMENT.
5. ADHESIVE DOWELS SHALL NOT BE INSTALLED IN NEW CONCRETE UNTIL 21 DAYS MINIMUM.
6. DOWELS SHALL CONFORM TO ASTM A615 GRADE 60 REINFORCING STEEL.
7. REMOVE GREASE, OIL, RUST AND OTHER LAITANCE FROM DOWELS PRIOR TO INSTALLATION.
8. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON HOLE AND SHIFT THE DOWEL LOCATION TO AVOID REINFORCEMENT. IF THE DOWEL MAY NOT BE SHIFTED AS NOTED BELOW, CONTACT THE SEOR.
9. WHEN SHIFTING/RELOCATING DOWELS, PROVIDE A MINIMUM OF TWO DOWEL DIAMETERS OR 1", WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL ABANDONED HOLES FOR DOWELS WITH NON-SHRINK GROUT OR ADHESIVE.
10. EMBEDMENT DEPTH FOR DOWELS ARE SHOWN IN THE DRAWINGS.

POWER ACTUATED FASTENERS (PAF)

1. WHEN INSTALLING PAF IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS.
2. PAF SHALL BE HILTI X4 (Ø 157) DIAMETER WITH WASHER PER ICC ESR-2269 WITH 1" EMBEDMENT INTO CONCRETE (SEE ICC REPORT FOR REQUIREMENTS INTO STEEL FRAMING) UON.
3. MAINTAIN 3" MINIMUM EDGE DISTANCE AND 4" MINIMUM SPACING IN CONCRETE. MAINTAIN 1/2" MINIMUM EDGE DISTANCE AND 1" MINIMUM SPACING IN STEEL. CONTACT SEOR IF THIS CANNOT BE ACCOMPLISHED.
4. PAF IN CONCRETE SHALL NOT BE USED TO RESIST SUSTAINED TENSION LOADS OR FOR BRACE APPLICATIONS (SEISMIC TENSION) EXCEPT SUSPENDED APPLICATIONS AND DISTRIBUTED SYSTEMS WITH SERVICE LOAD LIMITED TO 90 LBS (PER ASCET 13.4.5, EXCEPTION 1).

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

1. STRUCTURAL TESTS AND INSPECTIONS SHALL BE ACCORDING TO 2022 CALIFORNIA BUILDING CODE.
2. THE SPECIAL INSPECTIONS IDENTIFIED ARE IN ADDITION TO THOSE REQUIRED BY SECTION 110 OF THE CODE, AS AMENDED. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY THE GOVERNING JURISDICTION.
3. AN INDEPENDENT TESTING AGENCY SPECIAL INSPECTORS WILL BE RETAINED BY THE OWNER (NOT THE CONTRACTOR OR ANY OTHER PERSON RESPONSIBLE FOR THE WORK) TO PERFORM TESTS AND SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED.
4. IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS AND NECESSARY REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
5. A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE GOVERNING JURISDICTION AND SEOR.
6. PERIODIC OR CONTINUOUS PRESENCE AND INSPECTION BY THE PROJECT OR SPECIAL INSPECTOR ARE REQUIRED FOR THE FOLLOWING TYPES OF WORK WHERE OCCURS:

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION (AISC 360)			
TYPE	INSPECTION FREQUENCY	REFERENCED STANDARD	IBC REFERENCE
1. STRUCTURAL STEEL			
a. VERIFICATION OF IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC	---	---
b. VERIFICATION OF MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	PERIODIC	---	---
2. WELDING (AISC TABLES N5.4-1, N5.4-2 & N5.4-3)	PER AISC	---	---
3. HIGH STRENGTH BOLTS (AISC TABLES N5.6-1, N5.6-2 & N5.6-3)	PER AISC	---	---

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION (CBC TABLE 1705.3)			
TYPE	INSPECTION FREQUENCY	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	ACI 318: 17.8.2	---
4. INSPECT ANCHORS/DOWELS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (NO SUSTAINED TENSION ON ADHESIVE)	PERIODIC	ACI 318: 17.8.2	---
5. VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.5.3-26.5.5	1908.9
11. VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM STRUCTURAL SLABS	PERIODIC	ACI 318: 26.11.2	---
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	26.11.1.2(b)	---

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS (CBC TABLE 1705.6)			
TYPE	INSPECTION FREQUENCY	REFERENCED STANDARD	IBC REFERENCE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	---	---
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	---	---
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC	---	---
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS	---	---
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	---	---

REQUIRED SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION - LEVEL B QUALITY ASSURANCE (RISK CATEGORY I-III, TMS 602, TABLE 4):	
MINIMUM TESTS	FREQUENCY
1. VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.8.3 FOR SELF-CONSOLIDATING GROUT.	PERIODIC
2. VERIFICATION OF f _m IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY TMS 402.	PERIODIC
MINIMUM SPECIAL INSPECTION	FREQUENCY
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	PERIODIC
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: A. PROPORTIONS OF SITE-PREPARED MORTAR B. CONSTRUCTION OF MORTAR JOINTS. PERIODIC C. LOCATION OF REINFORCEMENT AND CONNECTORS. PERIODIC D. PROPORTIONS OF SITE-PREPARED GROUT. PERIODIC E. CONSTRUCTION OF MORTAR JOINTS. PERIODIC	PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: A. GROUT SPACE B. GRADE, TYPE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS. C. PLACEMENT OF REINFORCEMENT AND CONNECTORS. D. PROPORTIONS OF SITE-PREPARED GROUT. E. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC
4. VERIFY DURING CONSTRUCTION: A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION. C. WELDING OF REINFORCEMENT D. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F OR HOT WEATHER (TEMPERATURE ABOVE 90°F)). F. PLACEMENT OF GROUT.	PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS.	PERIODIC
6. POST-INSTALLED ANCHORS AND DOWELS	PERIODIC

OTHER SPECIAL INSPECTIONS			
TYPE	INSPECTION FREQUENCY	REFERENCED STANDARD	IBC REFERENCE
1705.12.1 & 1705.13.2 STRUCTURAL WOOD. NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN LATERAL FORCE-RESISTING SYSTEM, INCLUDING WOOD DIAPHRAGMS, COLLECTORS, BRACES AND HOLDOWNS.	PERIODIC	---	1705.11.1 1705.12.2 2306.2 2306.3 2308.3
1705.13.6 PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING: 1. ANCHORAGE OF ELECTRICAL EQUIPMENT (SEISMIC DESIGN CATEGORY E).	PERIODIC	---	1705.12.6 2701-2702 2801 2901-2902
1704.3.2, 1705.13.1.1 & 1705.14.1.1 SEISMIC FORCE-RESISTING SYSTEMS NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN THE SEISMIC FORCE-RESISTING SYSTEMS OF BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY E SHALL BE PERFORMED IN ACCORDANCE WITH QUALITY ASSURANCE REQUIREMENTS OF AISC 341.	PERIODIC	---	1704.3.2 1705.12.1.1 1705.13.1.1 2205.2.1
1705.13.1.2 & 1705.14.1.2 STRUCTURAL STEEL ELEMENTS NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN THE SEISMIC FORCE-RESISTING SYSTEMS OF BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY E OTHER THAN THOSE COVERED IN SECTION 1705.13.1.1, INCLUDING STRUTS, COLLECTORS, CHORDS AND FOUNDATION ELEMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341.	PERIODIC	---	1704.3.2 1705.2.1 1705.12.1.2 1705.13.1.2 2202 2205.2.2

STRUCTURAL OBSERVATION PROGRAM

1. STRUCTURAL OBSERVATION SHALL BE CONDUCTED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER. THE CONTRACTOR SHALL PROVIDE 72 HOURS NOTICE TO THE ENGINEER PRIOR TO REQUIRED VISIT.
2. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE INSPECTIONS REQUIRED BY SECTIONS 108, 1701 OR OTHER SECTIONS OF THE CODE.
3. ALL OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, CONTRACTOR & INSPECTION SERVICES. THE STRUCTURAL OBSERVER SHALL SUBMIT A WRITTEN STATEMENT TO INSPECTION SERVICES THAT SITE VISITS HAVE BEEN MADE AND IDENTIFYING ANY REPORTED DEFICIENCIES THAT HAVE NOT BEEN RESOLVED. THE STRUCTURE WILL NOT BE IN COMPLIANCE UNTIL THE DESIGNER HAS NOTIFIED INSPECTION SERVICES THAT ALL DEFICIENCIES ARE RESOLVED.
4. STRUCTURAL OBSERVATION SHALL BE CONDUCTED AT THE FOLLOWING STAGES OF CONSTRUCTION:
- A. PRIOR TO PLACING CONCRETE AT LD OF SURGE TANK (AFTER INSTALLATION OF ALL DOWELS, REINFORCING AND FORMWORK/SHORING)
- B. SUBSTANTIAL COMPLETION OF CONSTRUCTION (PRIOR TO COVERING ROOF SHEATHING).
5. PRIOR TO FINAL INSPECTION, SEOR WILL SUBMIT A LETTER TO THE GOVERNING JURISDICTION CERTIFYING COMPLETED STRUCTURAL ELEMENTS.

ABBREVIATIONS

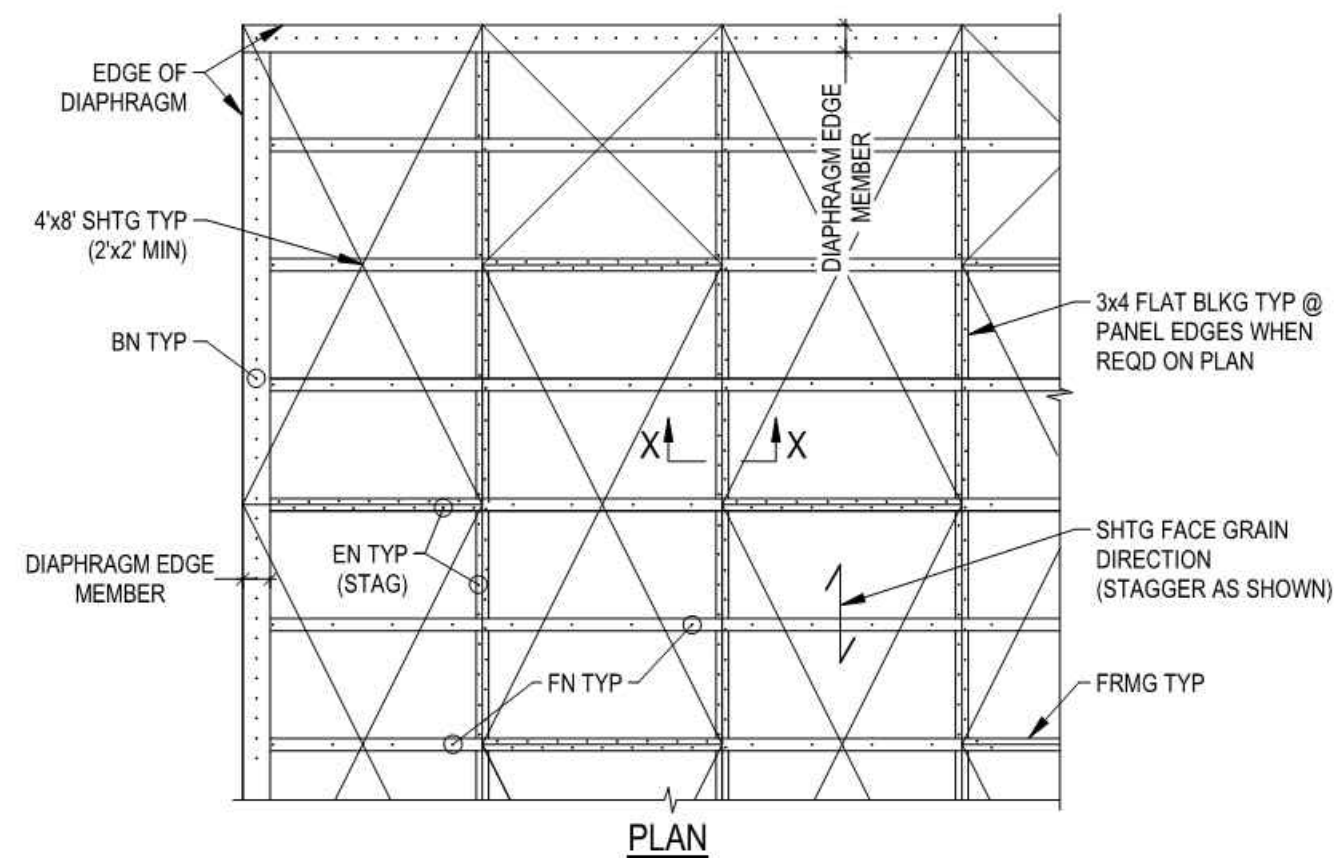
AA	ADHESIVE ANCHOR	FOM	FACE OF MASONRY	PSF	POUNDS PER SQUARE FOOT
AB	ANCHOR BOLT	FOS	FACE OF STUD	PSI	POUNDS PER SQUARE INCH
ABV	ABOVE	FOW	FACE OF WALL	PSL	PARALLEL STRAND LUMBER
A.D.	ADHESIVE DOWEL	FP	FIREPROOFING	PT	PRESSURE TREATED, PRETENSIONED
ADDL	ADDITIONAL	FRMG	FRAMING	R, RAD	RADIUS
ADJ	ADJACENT	FRP	FIBER REINFORCED POLYMER	REINF	REINFORCEMENT
AFF	ABOVE FINISH FLOOR	FRT	FIRE-RETARDANT TREATED	REQD	REQUIRED
ALT	ALTERNATE	FS	FAR SIDE, FIELD SCREW	REV	REVISE, REVISION
APPROX ±	APPROXIMATELY	FTG	FOOTING	RJ	ROUGH JOIST
ATR	ALL-THREADED ROD	GA, ga	GAGE, GAUGE	RO	ROUGH OPENING
BLDG	BUILDING	GALV	GALVANIZED	RR	ROUGH RAFTER
BLKG	BLOCKING	GLB	GLU-LAM BEAM	R/R	REMOVE & REPLACE
BLW	BELOW	GYP BD	GYPSPUM BOARD	RS	ROUGH SAWN
BM	BEAM	H, HORIZ	HORIZONTAL	S.A.D.	SEE ARCH DOCUMENTS
BN	BOUNDARY NAIL	HD	HOLDOWN	SD	SLIP-CRITICAL
BOF	BOTTOM OF FOOTING	HDG	HOT DIPPED GALVANIZED	S.C.D.	SEE CIVIL DOCUMENTS
BOT	BOTTOM	HDR	HEADER	SCHED	SCHEDULE
BRG	BEARING	HGR	HANGER	SECT	SECTION
BSMT	BASEMENT	HI	HIGH	S.E.D.	SEE ELEC DOCUMENTS
BTWN	BETWEEN	HK	HOOK	SEOR	STRUCTURAL ENGINEER OF RECORD
C	CHANNEL CAMBER	HP	HIGH POINT	SF	SQUARE FEET
CANT	CANTILEVER(ED)	HSB	HIGH STRENGTH BOLT	SHT	SHEET
CIP	CAST-IN-PLACE	HSS	HOLLOW STRUCTURAL STEEL	SHTG	SHEATHING
CJ	CONTROL JOINT, CLG JOIST	HT	HEIGHT	SIM	SIMILAR
CJP	COMPLETE JOINT PENETRATION	ID	INSIDE DIAMETER	SL	SLOPE
CL	CENTERLINE	INFO	INFORMATION	S.M.D.	SEE MECH DOCUMENTS
CLG	CEILING	JO	JOINT	SMS	SHEET METAL SCREW
CLR	CLEAR	K	KIPS, 1000 LBS	S.O.G.	SLAB ON GRADE
CMU	CONCRETE MASONRY UNIT	KO	KNOCK-OUT	S.P.D.	SEE PLUMBING DOCUMENTS
COL	COLUMN	KP	KING POST	SPEC	SPECIFICATION(S)
CONC	CONCRETE	L	ANGLE	SQ	SQUARE
CONN	CONNECTION	LB(S), #	POUND(S)	SS	STAINLESS STEEL
CONST	CONSTRUCTION	L _d	DEVELOPMENT LENGTH	ST	STAG-TIGHTENED
CONT	CONTINUOUS	L _h	HOOK DEVELOPMENT LENGTH	STAG	STAGGERED
COORD	COORDINATE	LLBB	LONG LEG BACK-TO-BACK	STD	STANDARD
CSK	COUNTERSINK	LLH	LONG LEG HORIZONTAL	STL	STEEL
CTR	CENTER(ED)	LLV	LONG LEG VERTICAL	STRUCSTR	STRUCTURAL
CY	CUBIC YARD	LO	LOW	SUBST	SUBSTITUTE
Ø D	PENNY NAIL SIZE, DIAMETER	LOC	LOCATION	SUSP	SUSPENDED
DBL	DOUBLE	LONG	LONGITUDINAL	SW	SHEAR WALL
DEMO	DEMOLISH, DEMOLITION	LP	LOW POINT	SYM	SYMMETRICAL
DET	DETAIL	L _s	LAP SPICE LENGTH	T&B	TOP AND BOTTOM
DF	DOUGLAS FIR	LVL	LAMINATED STRAND LUMBER	T&G	TONGUE AND GROOVE
DIA, Ø	DIAMETER	LVL	LAMINATED VENEER LUMBER	THK	THICK (NESS)
DIAG	DIAGONAL	LWC	LIGHTWEIGHT CONCRETE	THD	THREADED
DIAPH	DIAPHRAGM	MB	MACHINE BOLT	TN	TOE NAIL
DIM	DIMENSION	MDL	MODEL	TO	TOP OF
DIST	DISTANCE	MECH	MECHANICAL	TOC	TOP OF CONCRETE
DN	DOWN	MFR	MANUFACTURER	TOF	TOP OF FOOTING
DO	DITTO (REPEAT)	MPE	MECH, ELEC & PLUMBING	TOFR	TOP OF FRAMING
DWG(S)	DRAWING(S)	MTL	METAL	TOS	TOP OF STEEL
(E), EXIST	EXISTING	(N)	NEW	TOT	TOTAL
EA	EACH	NF	NEAR FACE	TOW	TOP OF WALL
E.A.	EXPANSION ANCHOR	NIC	NOT IN CONTRACT	TRANS	TRANSVERSE
EJ	EACH FACE	NO, #	NUMBER	TS	TOP OF SHTG
EJ	EXPANSION JOINT	NOM	NOMINAL	TSG	TAPERED STEEL GIRDER
EL	ELEVATION	NS	NEAR SIDE	TYP	TYPICAL
ELEC(T)	ELECTRICAL	NSG	NON-SHRINK GROUT	UON	UNLESS OTHERWISE NOTED
ELEV	ELEVATOR, ELEVATION	NTS	NOT TO SCALE	(V), VERT	VERTICAL
EMBED	EMBEDMENT	NWC	NORMAL WEIGHT CONCRETE	VIF	VERIFY IN FIELD
EN	EDGE NAIL	Ø	OVER	W	WIDE FLANGE, WIDTH
EQ	EQUAL	Øc	ON CENTER	w	WITH
ES	EACH SIDE	OD	OUTSIDE DIAMETER	WHS	WELDED HEADED STUD
EW	EACH WAY	OH	OPPOSITE HAND	w/o	WITHOUT
EXP	EXPANSION	OPNG	OPENING	WP	WORK POINT
EXT	EXTERIOR	OS	OVERSIZE(D)	WS	WOOD SCREW
FDN	FOUNDATION	OWSJ	OPEN WEB STEEL JOIST	WT	WEIGHT
FF	FINISHED FLOOR	PAF	POWER ACTUATED FASTENER	WTS	WELDED THREADED STUD
FJ	FLOOR JOIST	PAF	POUNDS PER CUBIC FOOT	WWR	WELDED WIRE REINFORCING
FLR	FLOOR	PERP	PERPENDICULAR	XS	EXTRA STRONG
FN	FIELD NAIL	PJP	PARTIAL JOINT PENETRATION	XXS	DOUBLE EXTRA STRONG
FO	FACE OF	PL	PLATE		
FOC	FACE OF CONCRETE	PP	PER PLAN		

PREPARED BY ALEXANDROS BLETSOS	PROJECT ENGINEER
R.S.E. NO. \$5659	
EXP. 09/30/2025	
DRAWN BTM	SCALE AS SHOWN
DESIGNED AGR	

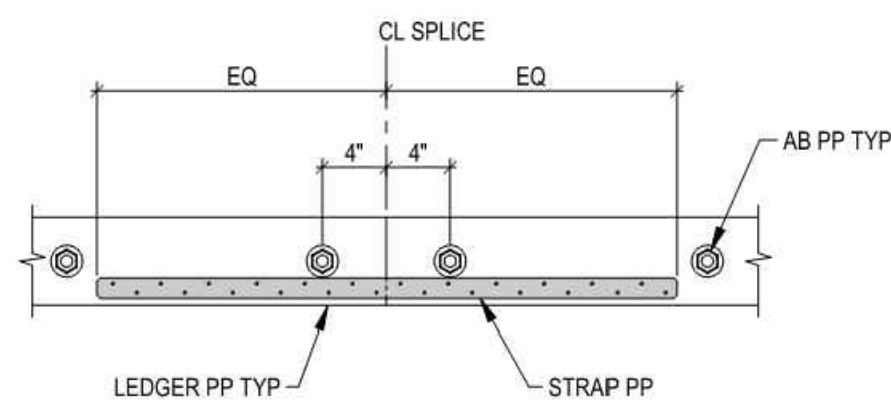
DIAPHRAGM SCHEDULE							
TYPE	SHTG	BLKD	NAILING	SHEAR TRANSFER CLIPS		CAPACITY, PLF	
				A35	LTP4	WIND	SEISMIC
1	1/2" CDX	NO	10d @ 6/12	16"oc	24"oc	265 ¹	190 ²
2	1/2" CDX	YES	10d @ 6/6/12	16"oc	24"oc	405	290
3	1/2" STRUCT 1	YES	10d @ 4/6/12	12"oc	16"oc	595	425
4	1/2" STRUCT 1	YES	10d @ 2 1/4" / 12	6"oc	10"oc	895	640
5	1/2" STRUCT 1	YES	10d @ 2/3/12	6"oc	8"oc	1,025	730

NOTES

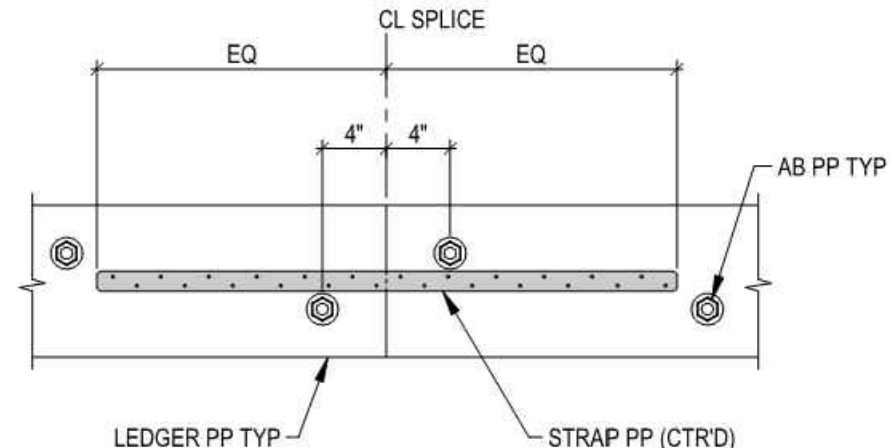
1. ALL NAILS SHALL BE 10d COMMON.
2. FRAMING @ ADJOINING PANEL EDGES SHALL BE 3x IN & NAILS SHALL STAGGERED WHERE SPACED 3"oc OR LESS.
3. UNBLOCKED DIAPHRAGM NAILING: 10d @ ENFN. EN = NAIL SPACING @ BOUNDARIES & CONT PANEL EDGES. FN = NAIL SPACING @ OTHER PANEL EDGES.
4. BLOCKED DIAPHRAGM NAILING: 10d @ BENFN. BN = NAIL SPACING @ BOUNDARIES & CONT PANEL EDGES. EN = NAIL SPACING @ OTHER PANEL EDGES. FN = NAIL SPACING @ FIELD OF SHGT.
5. SHEAR TRANSFER CLIPS SHALL BE INSTALLED CONT ALONG ALL SHEARWALL LINES IN ACCORDANCE WITH SCHEDULE ABOVE.
6. EITHER A35 OR LTP4 MAY BE USED FOR SHEAR TRANSFER PER SCHED AT CONTRACTOR'S OPTION.
7. A35 AND/OR LTP4 ARE READ @ BOTH SIDES OF BLKS AT INTERIOR WALL LINES. STAGGER AS REQD.
8. CAPACITIES ARE BASED ON THE 2001 SPECIAL DESIGN PROVISIONS FOR WIND & SEISMIC (SDPWS), TABLE 4.2A (BLOCKED) & 4.2C (UNBLOCKED) DIVIDED BY 2.0 (WIND) & 2.8 (SEISMIC).
9. * VALUES MAY BE INCREASED TO 360 PLF (WIND) & 255 PLF (SEISMIC) FOR CASE 1 (LOAD PERP TO LONG SIDE OF STAGGERED SHGT).



TYPICAL WOOD DIAPHRAGM
SCALE: NONE



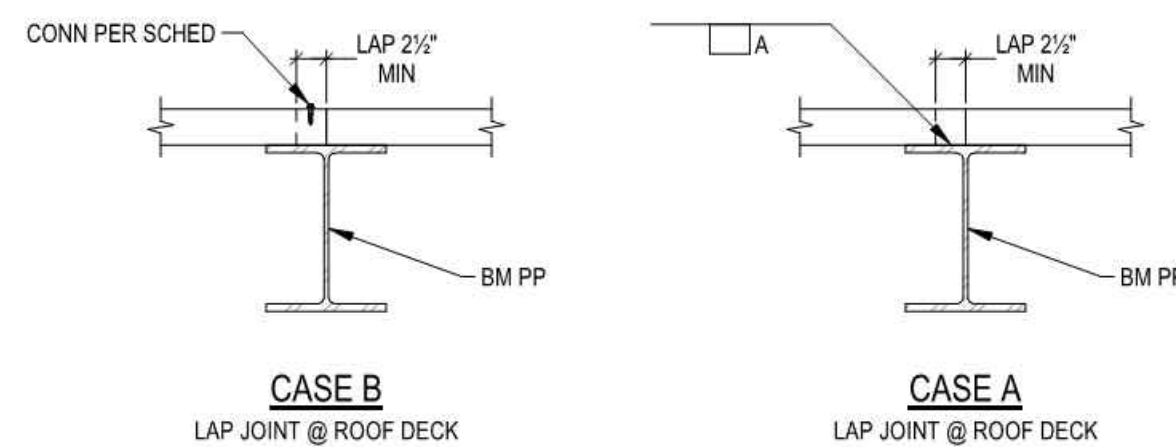
ELEVATION @ 2x6 LEDGER SPLICE



ELEVATION @ 2x10 LEDGER SPLICE

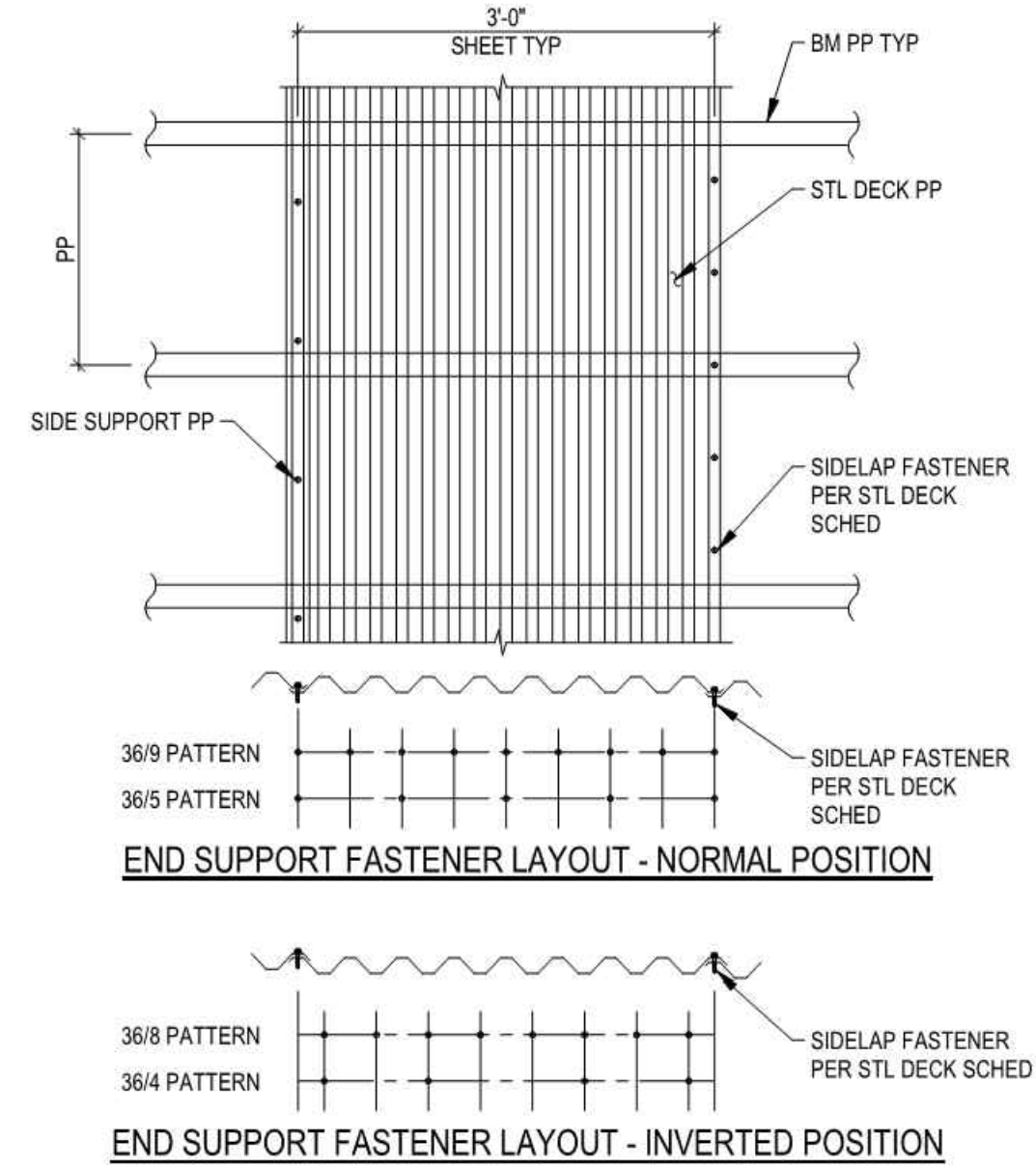
NOTE:
PROVIDE ONE STRAP (CTR'D) AT 2x6 LEDGER
& TWO STRAPS AT 2x10 LEDGER.

TYPICAL LEDGER
SCALE: NONE

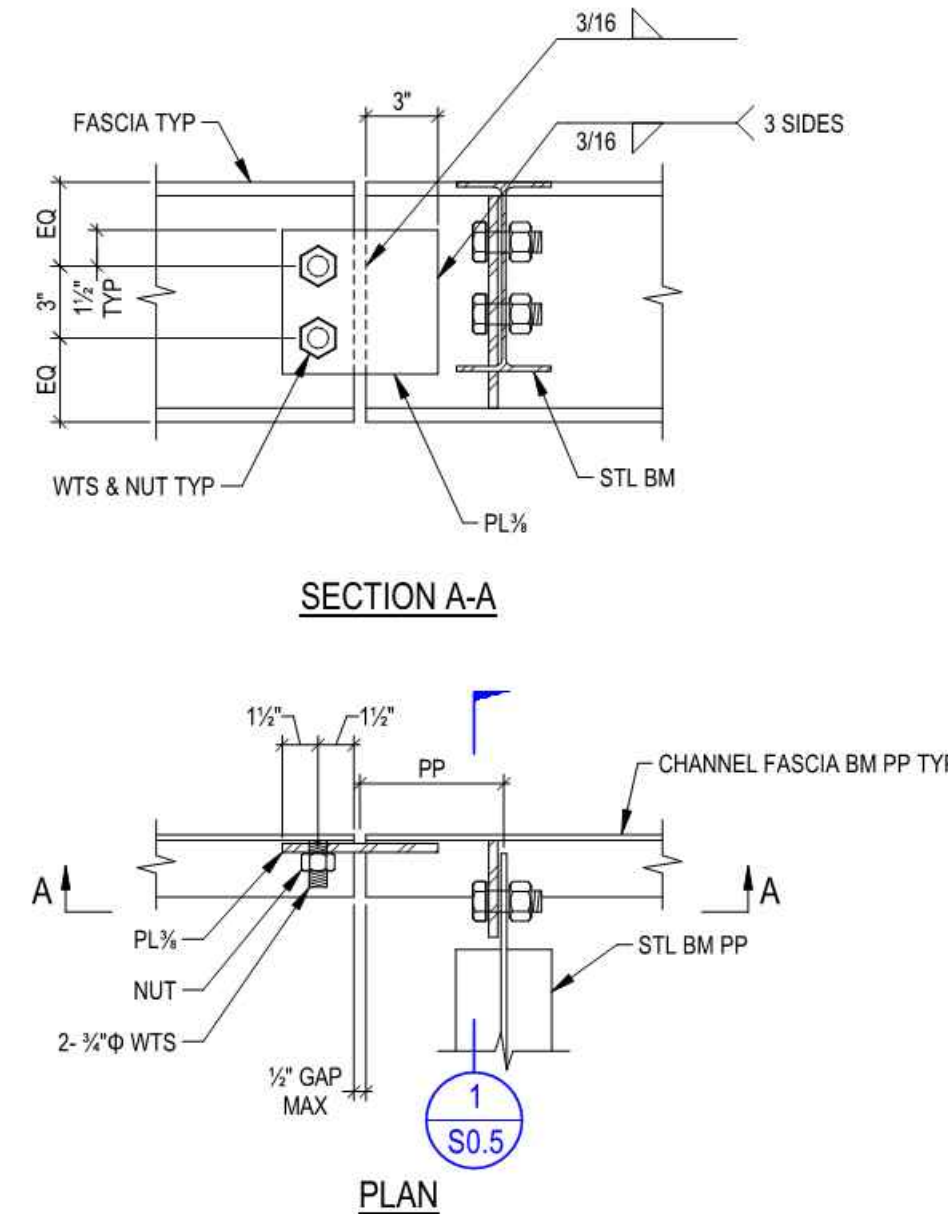


NOTE:
SEE 'METAL DECK SCHEDULE' FOR WELD 'A'.

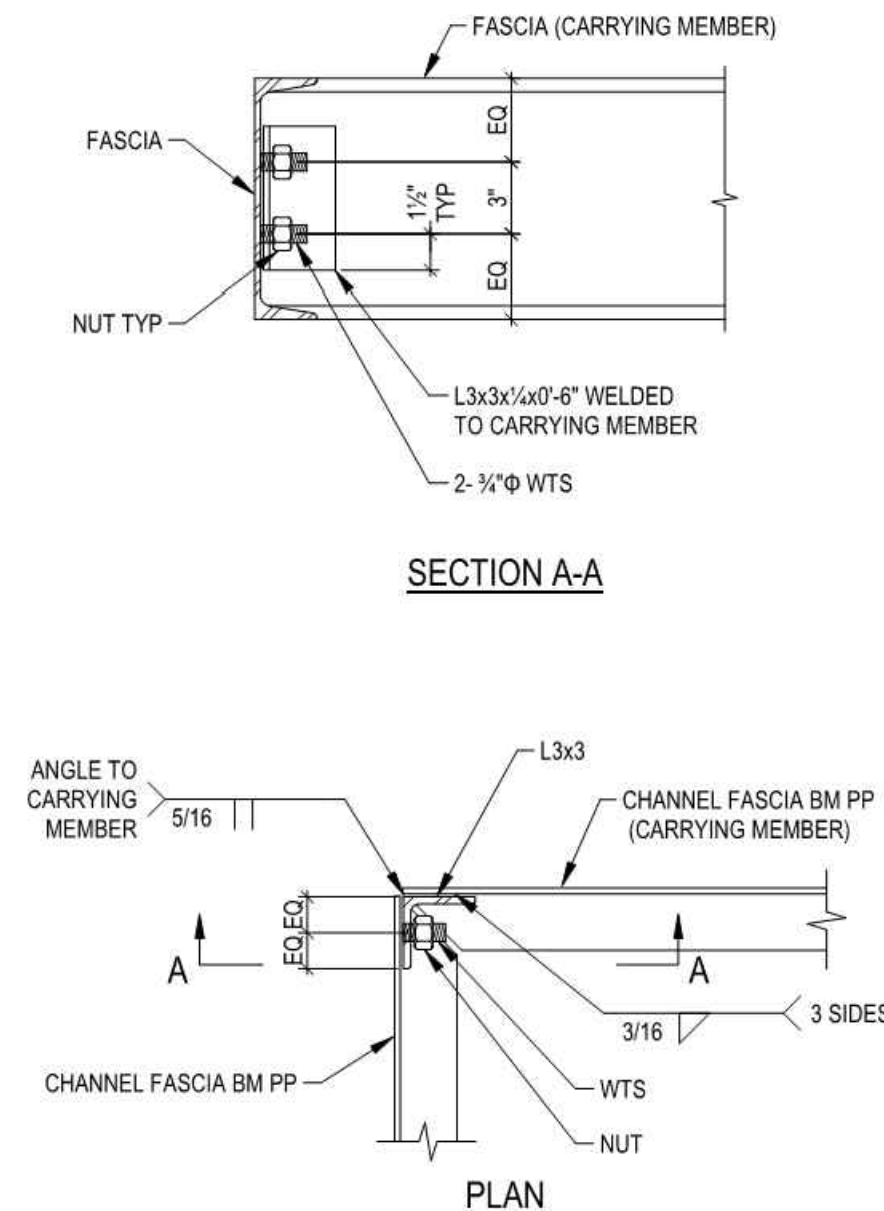
TYPICAL STEEL DECK END JOINT CONNECTIONS 7



TYPICAL STEEL DECK ATTACHMENT (NON-COMPOSITE) 6
SCALE: NONE



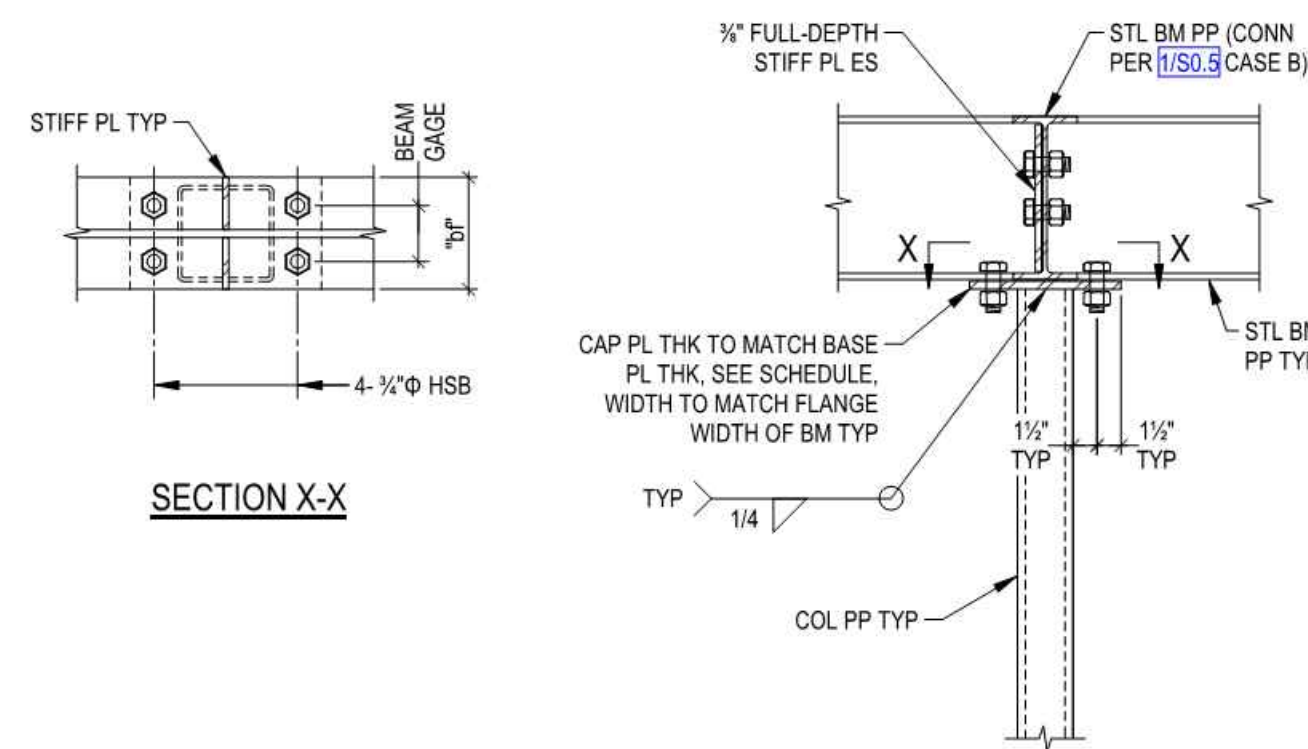
TYPICAL FASCIA BEAM SPLICE 5
SCALE: NONE



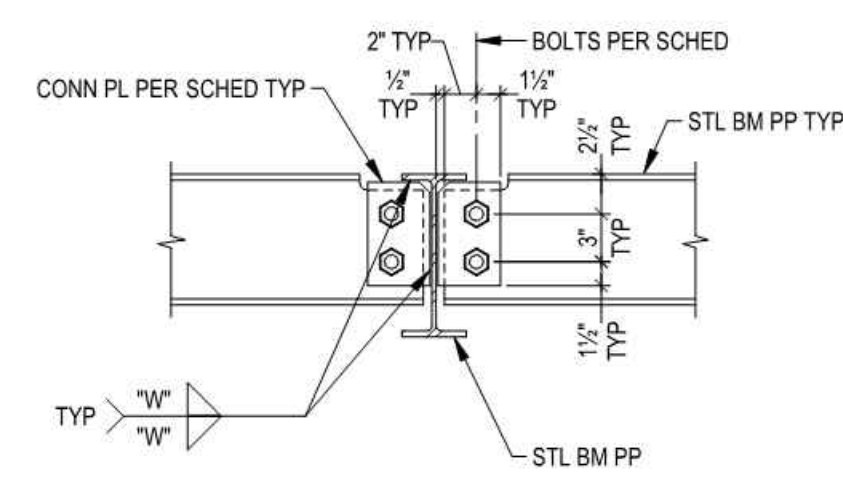
TYPICAL FASCIA CORNER CONNECTION

SCALE: NONE

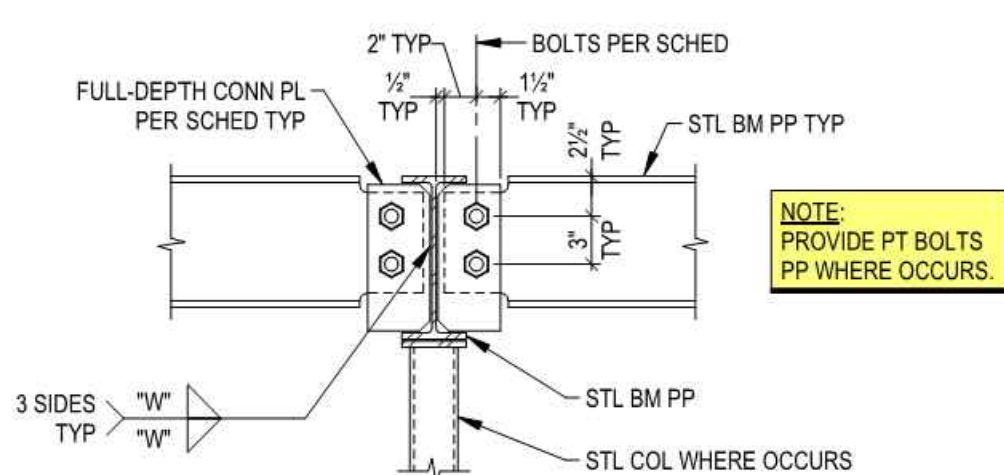
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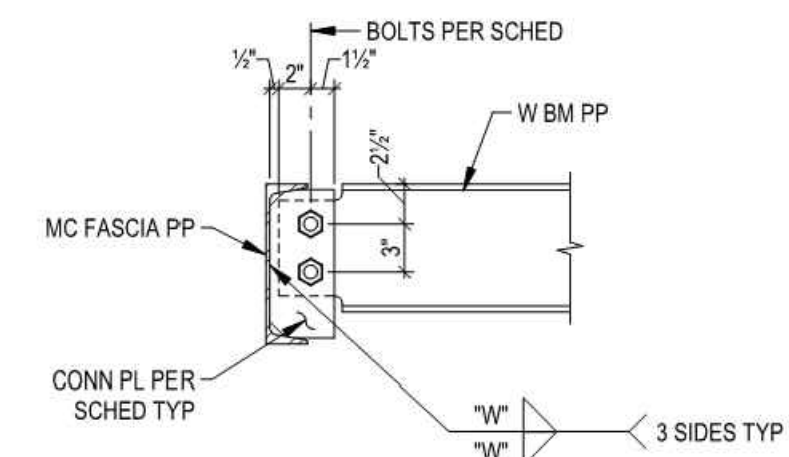
TYPICAL STEEL BEAM TO PIPE COLUMN CONNECTION 3
SCALE: NONE



CASE A: TYPICAL BEAM-TO-BEAM



CASE B: TYPICAL BEAM-TO-BEAM



CASE C: TYPICAL FASCIA-TO-BEAM

BEAM CONNECTION SCHEDULE			
NOMINAL MEMBER DEPTH	CONN PL THK "t"	WELD SIZE "W"	NUMBER BOLTS
8" & 10"	3/8"	1/4"	2

NOTES:

1. ALL BOLTS ARE $\frac{7}{8}" \Phi$ ASTM A325N.
2. BOLT HOLES TO BE STANDARD HOLES $\frac{1}{16}"$ GREATER THAN BOLT DIAMETER.
3. BOLTS TO BE SNUG-TIGHTENED, UON.

TYPICAL BOLTED BEAM CONNECTIONS

SCALE: NONE

1

REVIEWED BY:  Leslie Hagedorn SIGNED FOR	09/30/2025		EXECUTION DATE
PM - DESIGN			
REVIEWED BY:  [illegible] SIGNED FOR	09/30/2025		EXECUTION DATE
PM - CONSTRUCTION			

I, IN ACCORDANCE WITH RESOLUTION NO. 19-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF IMPROVEMENTS TO THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OF A CONSTRUCTION OF, OR IMPROVEMENT TO, THE CITY OF SANTA CLARITA, LOCATED AT THE ADDRESS OF, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY ALEXANDROS BLETSOS	PROJECT ENGINEER	R.S.E. NO. \$5659	EXP. 09/30/2025
DRAWN BTM	SCALE AS SHOWN	DESIGNED AGB	CHECKED AGB
		DATE 02/17/2020	

DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS
SANTA CLARITA **CA**

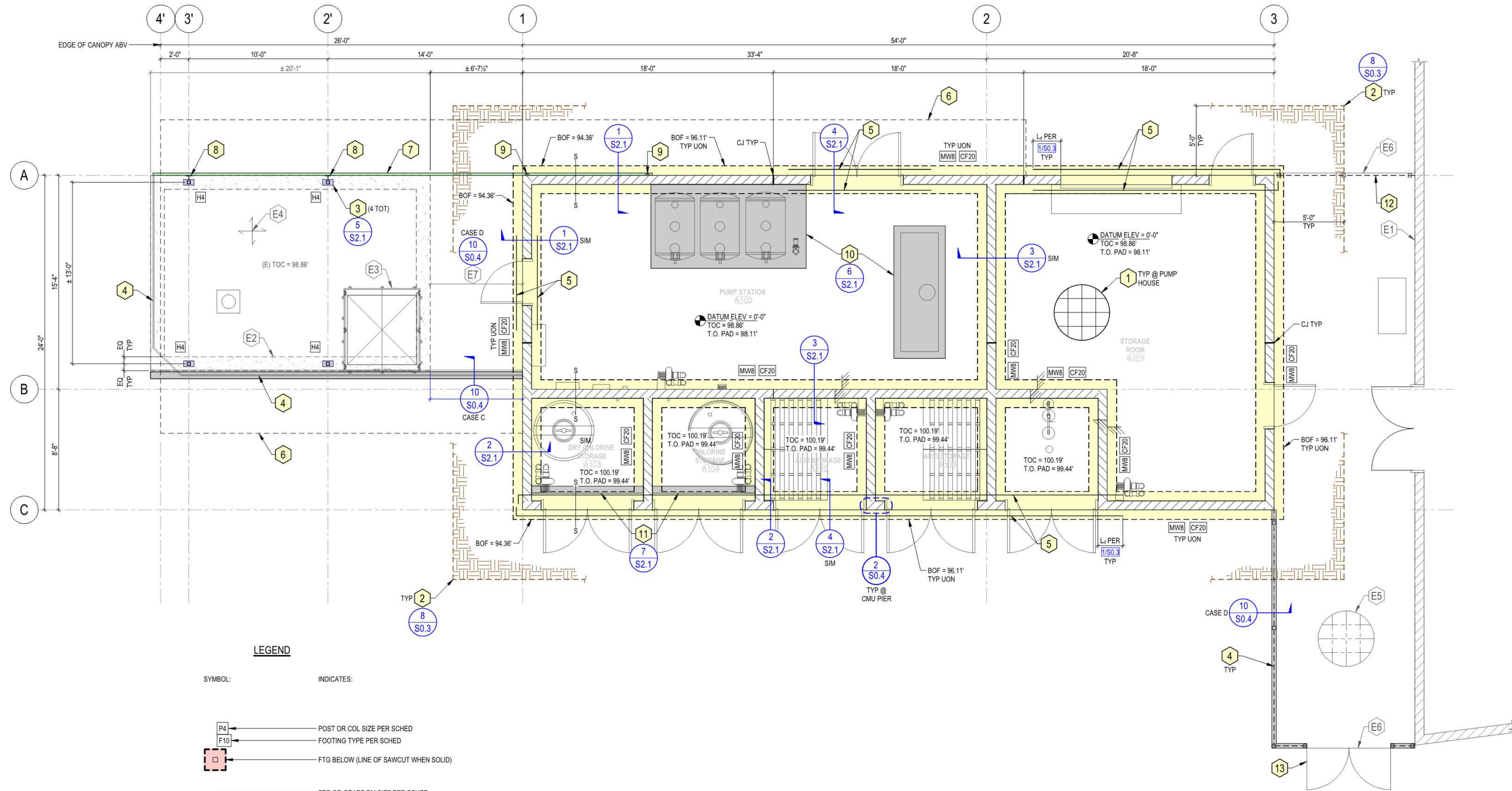
258

SHEET

\$0.5

25 OF 61 SHEETS

JOB NO. C258



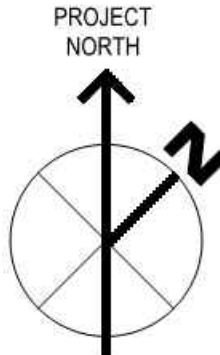
COLUMN SCHEDULE			
MARK	COLUMN SIZE	BASE PL	A.A.
H4	HSS4x4x $\frac{5}{16}$	EMB PL PER DET	2- $\frac{1}{2}$ " ϕ

FOOTING SCHEDULE				
MARK	WIDTH 'B'	WIDTH 'D'	HEIGHT 'H'	REINFORCING
CF20	2'-0"	CONT	1'-6"	2- #5 CONT BOT

MASONRY WALL SCHEDULE			
MARK	BLOCK SIZE	VERT REINF	HORIZ REINF
MW8	8x8x16	#5 @ 24"oc	#5 @ 32"oc

NOTES:

1. ALL WALLS SHALL BE SOLID GROUTED.
2. VERT REINF SHALL BE CENTERED IN WALL.



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

TITLE

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS
SANTA CLARITA
CA

SHEET
S1.1
26 OF 61 SHEETS
JOB NO. C258

REVIEWED BY: Signed by: <i>Kate Hupfel</i> KATE HUPFEL, Esq. PM - DESIGN 09/30/2025 EXECUTION DATE	REVIEWED BY: Signed by: <i>[Signature]</i> [Name] PM - CONSTRUCTION 09/30/2025 EXECUTION DATE
--	---

IN ACCORDANCE WITH RESOLUTION No. 19-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF IMPROVEMENTS TO PUBLIC PROPERTY FOR PURPOSES OF DESIGN INMUNITY PURSUANT TO GOVERNMENT CODE SECTION 65000, I HEREBY DELEGATE TO THE DIRECTOR OF PUBLIC WORKS, THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR IMPROVEMENT OR MODIFICATION TO, ANY SUCH IMPROVEMENT, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.

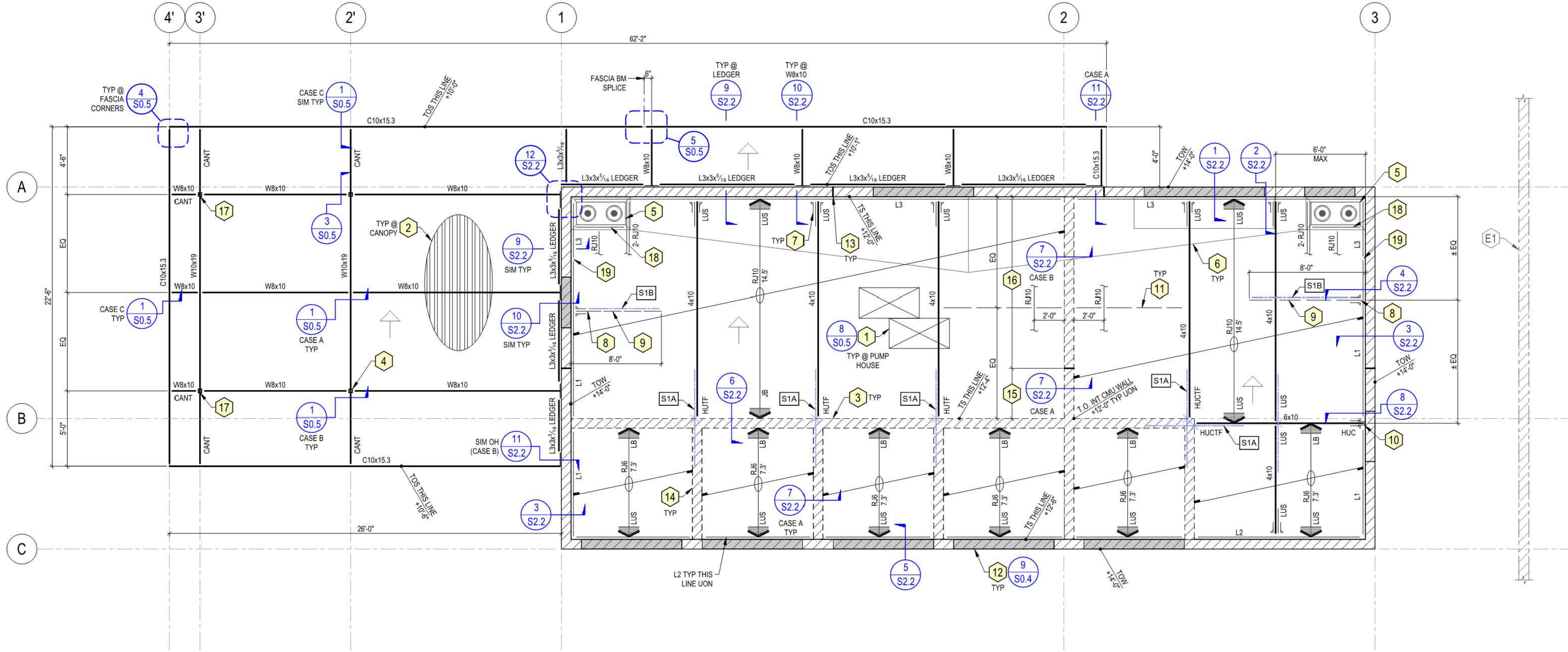
Alexandros G. Blatas

REGISTERED PROFESSIONAL ENGINEER
ALEXANDROS G. BLATAS
No. 5659
STRUCTURAL
STATE OF CALIFORNIA

SIGNED 04-30-2025

SPIRE
STRUCTURAL ENGINEERING
26461 Rancho Parkway South, Lake
Forest, CA 92630 tel: 949.916.3440
www.spirestructures.com
ENG: AGB
JOB#: 24PAC01

PREPARED BY ALEXANDROS BLETSOS PROJECT ENGINEER R.S.E. NO. S5659 EXP. 09/30/2025	SCALE AS SHOWN
DRAWN BTM	DESIGNED
AGB	DATE 02/17/2020
CHECKED	AGB



STEEL DECK SCHEDULE																	
SLAB TYPE	DECK TYPE	HEIGHT	GAGE	FACTORY VENTED	MINIMUM SECTION PROPERTIES			FILL		STUD SIZE	SLAB REINF	DECK ATTACHMENT				SIDE LAP ATTACHMENT	DIAPHRAGM CAPACITY (PLF, ASD)
								TYPE	MIN THK ABV TOP FLUTE			TO PERIMETER SUPPORT		TO INTERMEDIATE SUPPORT			
					I (IN ²)	S+ (IN ²)	S- (IN ²)					PERPENDICULAR TO DECK	PARALLEL TO DECK	PERPENDICULAR TO DECK	PARALLEL TO DECK		
D1	VERCO PLB-36	1½"	22	NO	0.175	0.187	0.198	---	---	---	---	1½" PUDDLE WELD 36/4 PATTERN	1½" PUDDLE WELD @ 12"oc	1½" PUDDLE WELD 36/4 PATTERN	1½" PUDDLE WELD @ 12"oc	VSC2 @ 24"oc	515
D1A	VERCO PLB-36	1½"	22	NO	0.175	0.187	0.198	---	---	---	---	HILTI X-HSN24 FASTENERS 36/4 PATTERN	HILTI X-HSN24 FASTENERS @ 12"oc	HILTI X-HSN24 FASTENERS 36/4 PATTERN	HILTI X-HSN24 FASTENERS @ 12"oc	VSC2 @ 24"oc	480

- NOTES:
- ALL STL DECK SHALL CONFORM TO IAPMO REPORT NO. ER-0217.
 - WHENEVER POSSIBLE, DECK LAYOUTS SHALL PROVIDE SHEETS OF SUFFICIENT LENGTH TO SPAN CONTINUOUSLY ACROSS AT LEAST THREE SPANS. ENDS SHALL TERMINATE OVER A SUPPORT PERPENDICULAR TO THE DECK SPAN, EXCEPT AT OPNGS OR BUILDING EDGES WHERE DECKS MAY BE CANTILEVERED.
 - SHORE DECK AS READ BY MFR.
 - PROVIDE A MINIMUM OF 2" BEARING AT SUPPORTING MEMBERS PERPENDICULAR TO DECK SPAN AND 1 1/2" AT MEMBERS PARALLEL TO DECK SPAN.
 - DIAMETER OF PUDDLE WELD SHOWN REPRESENTS EFFECTIVE FUSION AREA.
 - EACH PUDDLE WELD SHOWN MAY BE REPLACED WITH A SHEAR STUD WELDED THROUGH DECK.
 - SLAB TYPES DESIGNATED WITH "A" ARE AN OPTION TO THE BASIC TYPE. FOR EXAMPLE, SLAB TYPE "D1A" MAY BE USED IN LIEU OF "D1".
 - OTHER DECK TYPES & CONNECTIONS MAY BE SUBSTITUTED (PROVIDE CODE REPORT & CONNECTIONS TO MEET OR EXCEED THE CAPACITIES SHOWN).

LEDGER SCHEDULE				
MARK	SIZE	AB SIZE	AB SPACING	SPLICE STRAP
L1	2x6	1/2" w/ STD WASHER	32"oc	CS14 x 3'-0"
L2	2x6	1/2" w/ STD WASHER	16"oc	CS14 x 3'-0"
L3	2x10	1/2" w/ STD WASHER	16"oc (STAG)	CS14 x 3'-0"

NOTE:
SEE 10150.3 FOR SPLICE DETAIL.

JOIST SCHEDULE				
MARK	SIZE	SPACING	HANGER UON	MAX SPAN
RJ6	2x6	24"oc	LUS/LB	7'-4"
RJ10	2x10	24"oc	LUS/JB	14'-6"

NOTE:
OMIT HGR @ BEARING LOCATIONS.

STRAP SIZE		
MARK	SIZE	LENGTH @ MEMBER
S1	CMST12	3'-3"

- NOTES:
- FILL ALL HOLES w/ 10d UON.
 - SEE PLAN FOR STRAP LENGTH @ BLKG.
 - SEE DETAILS FOR ADDL INFO.

STRAP LOCATION		
MARK	END 1	END 2
A	o/ SHTG o/ FRMG	o/ SHTG o/ NAILER
B	o/ SHTG o/ BLKG	o/ SHTG o/ BLKG

LOCATION MARK
STRAP TYPE MARK #

PLAN NOTES:

- GENERAL NOTES S0.1 & S0.2
- TYPICAL DETAILS S0.3 THRU S0.5
- VERIFY ALL DIMS & LOCATIONS w/ ARCH & EQUIP DWGS.
- S.A.D. & EQUIP DWGS FOR ADDL INFO NOT SHOWN.
- S.A.D. FOR FRMG ELEVATIONS.
- S.A.D. FOR ROOF SLOPES.
- SEE PDN PLAN NOTES FOR GENERAL INFO.
- ADJUST LOCATION OF SMALL OPNGS TO FIT BTWN FRMG MEMBERS.
- PROVIDE 2-#5 CHORD BARS IN THE BOND BM @ +12'-0" TYP.

ROOF LOADS:

ROOF DEAD LOAD: 16 PSF
ROOF LIVE LOAD: 20 PSF

CANOPY DEAD LOAD: 8 PSF
CANOPY LIVE LOAD: 20 PSF

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

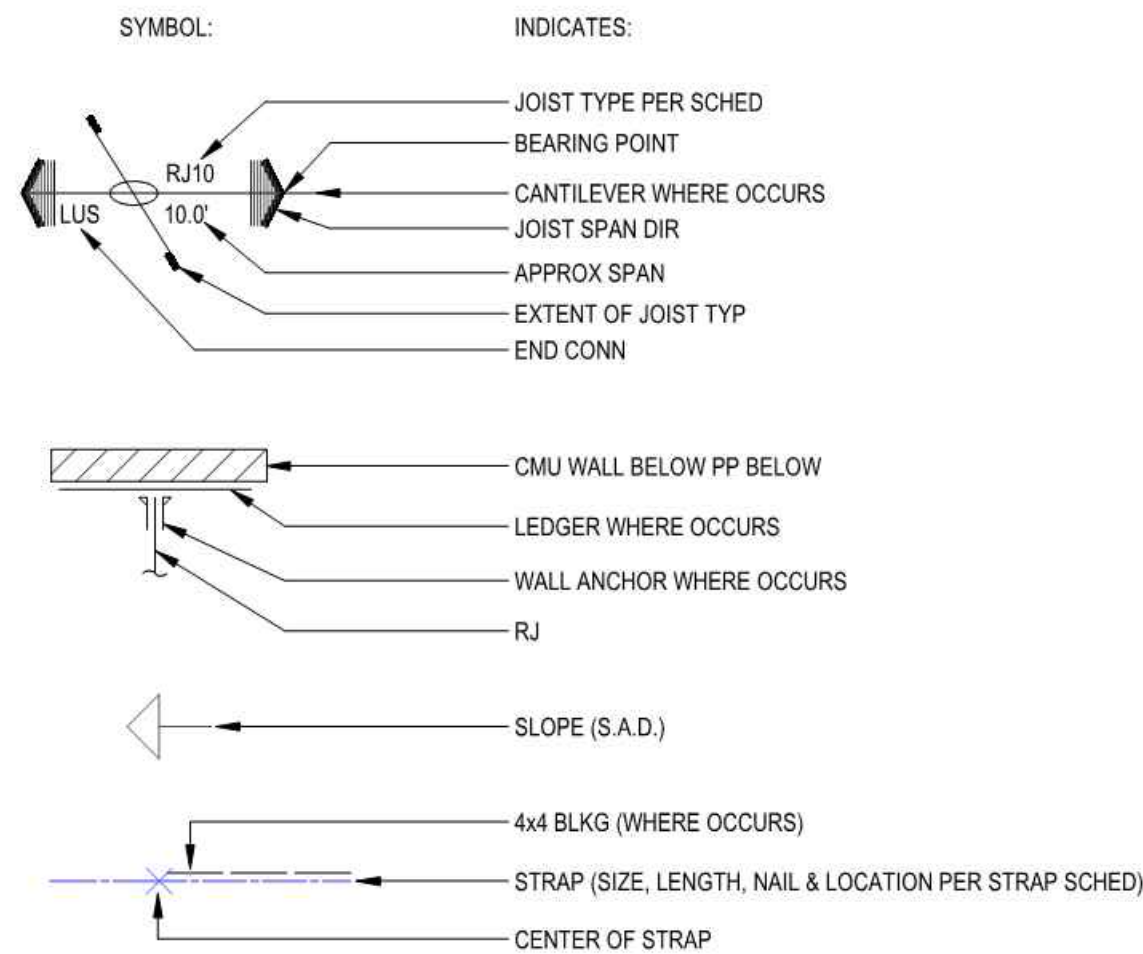
BLD25-00576 (ARCH)

The approved plans must be available at the construction site at all times. Changes or alterations to approved plans shall not be made without written permission from the City of Santa Clarita Building & Safety Division. The approval of these plans shall not be construed to permit or approve any violation of the applicable codes, ordinances, or other laws.

PLAN KEY NOTES

- 1/2" STRUC 1 SHTG w/ FACE GRAIN LAID PERP TO FRMG (BLOCKED, TYPE 4 DIAPHRAGM PER S0.5).
- 1 1/2" x 22ga STL DECK.
- 4x NAILER o/ CMU WALL PP BLW.
- STL COL BLW PP BLW.
- ROOF DRAIN (S.A.D.).
- CRICKET (S.A.D.).
- HDU4 WALL ANCHOR ES OF 4x RJ (PROVIDE SHIM AS REQD) PER DET.
- 6x6 BLK w/ HDU4 WALL ANCHOR ES PER DET.
- 4x6 BLKG @ STRAP (PROVIDE 2 LINES BN TO BLKG).
- HUC HGR w/ TITEN TURBO SCREW ANCHORS PER DET.
- 4x6 BLKG.
- CMU LINTEL PER DET.
- CJ PP BLW.
- SLOPED 6x NAILER o/ CMU WALL PP BLW.
- SLOPED 4x NAILER o/ CMU WALL PP BLW.
- 3x NAILER o/ SLOPED CMU WALL.
- PT BOLTS & FULL-DEPTH STIFF TIE CONN.
- RJ10 BLK w/ LUS HGR EA END.
- LEDGER SPLICE.
- (E) ADJ BLDG CMU WALL.

LEGEND



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

REVISION:	09/30/2025
DATE:	09/30/2025
BY:	EXECUTIVE
FOR:	EXECUTIVE

IN ACCORDANCE WITH RESOLUTION NO. 19-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING AUTHORITY TO THE CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE PUBLIC UTILITIES, WATER, SEWER, AND GAS SYSTEMS, AND TO THE CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO, THE PUBLIC UTILITIES, WATER, SEWER, AND GAS SYSTEMS, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.

REGISTERED PROFESSIONAL
ENGINEER
No. 5559
SIGNED 04.30.2025

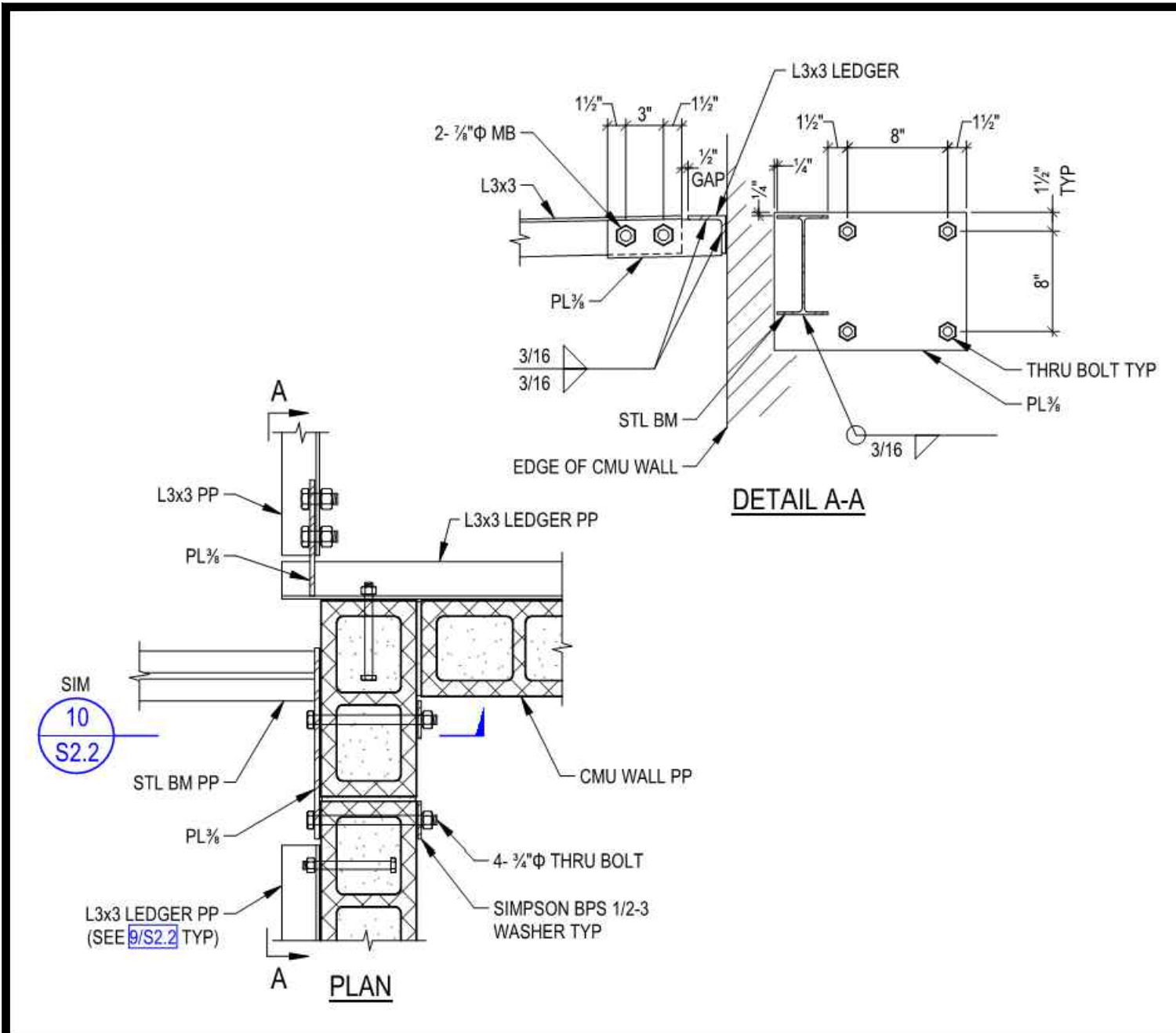
SPiRE
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26461 Rancho Parkway South
Forest, CA 92520
www.spirestructures.com
JOB# 24PAC01
ENG. AGB

PREPARED BY	ALEXANDROS BLETOS
PROJECT ENGINEER	R.S.E. NO. 55559
EXP.	09/30/2025
DRAWN	SCALE
BTM	AS SHOWN
DESIGNED	DATE
AGB	02/17/2020
CHECKED	
AGB	

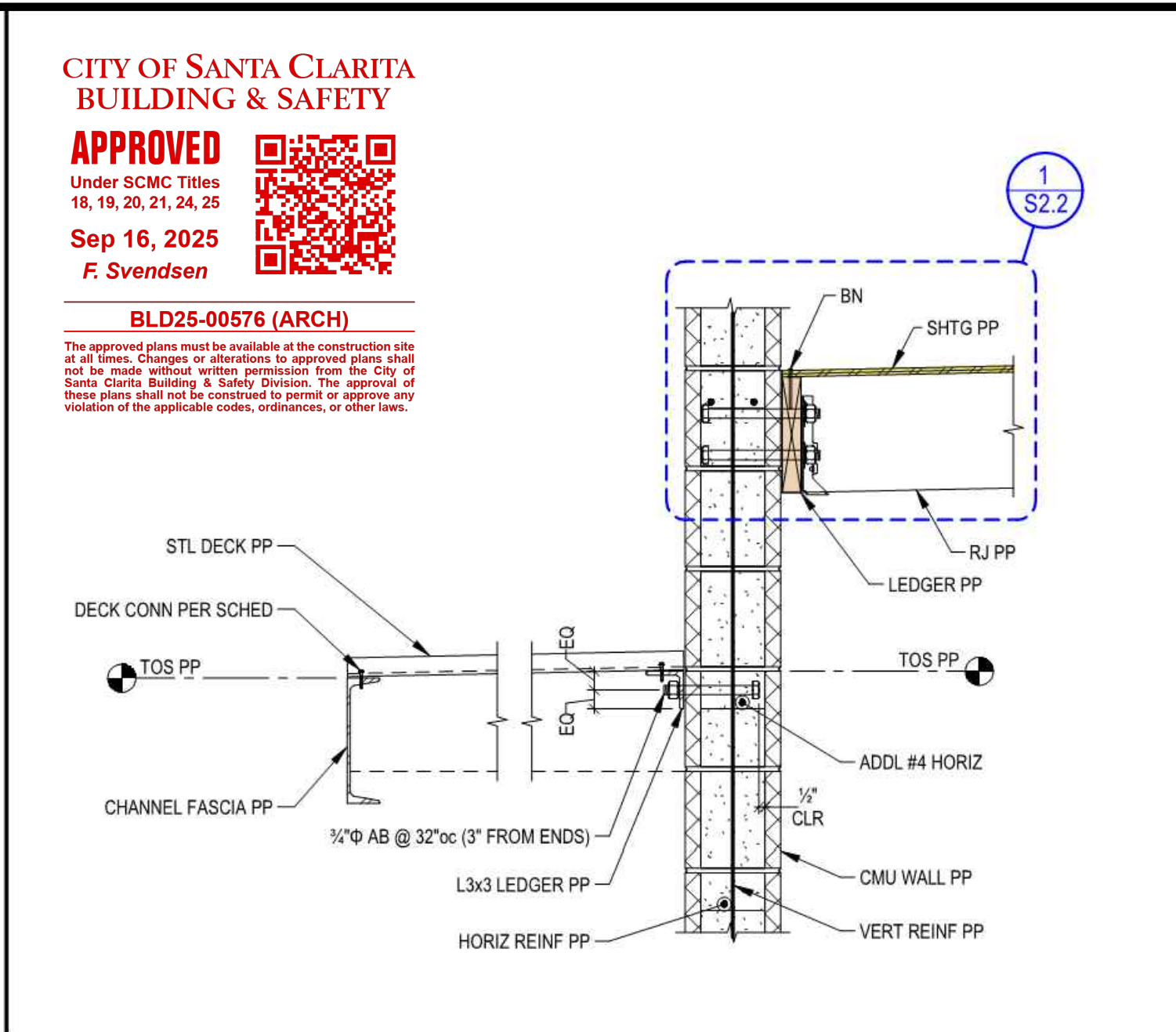
TITLE
DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS
SANTA CLARITA

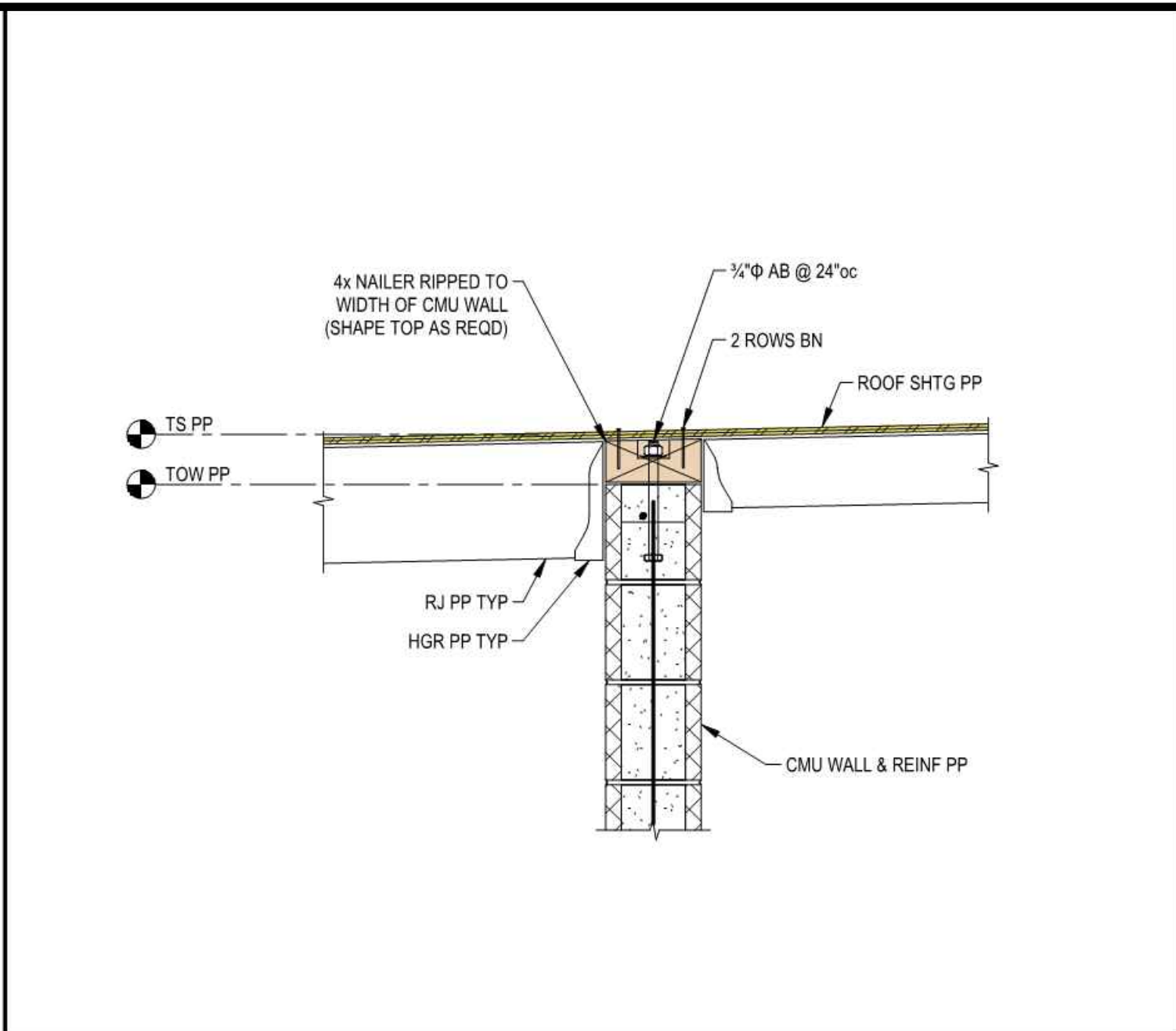
SHEET
S1.2
27 OF 61 SHEETS
JOB NO. C258



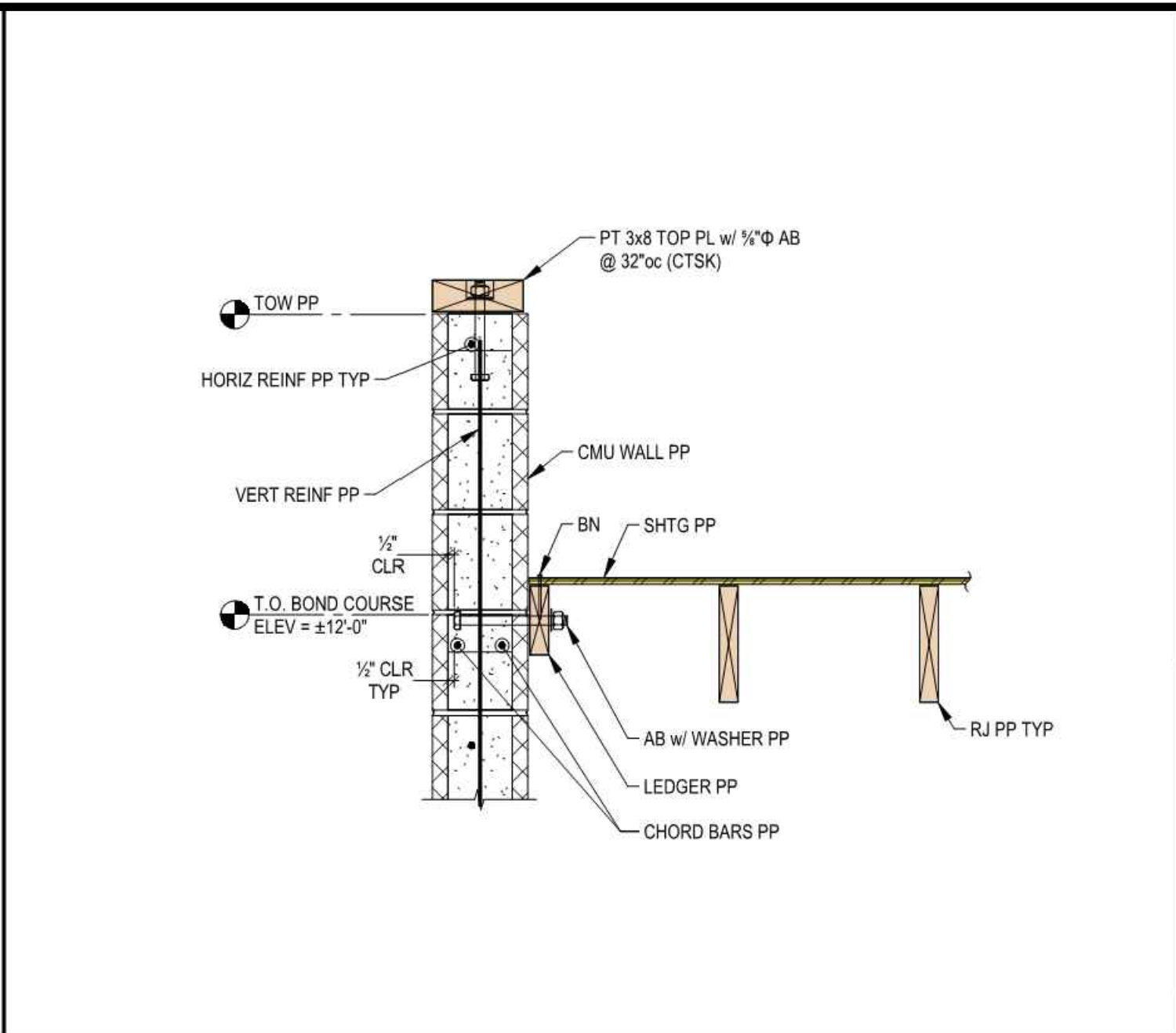
CANOPY FRAMING SUPPORT AT CORNER
SCALE: NONE



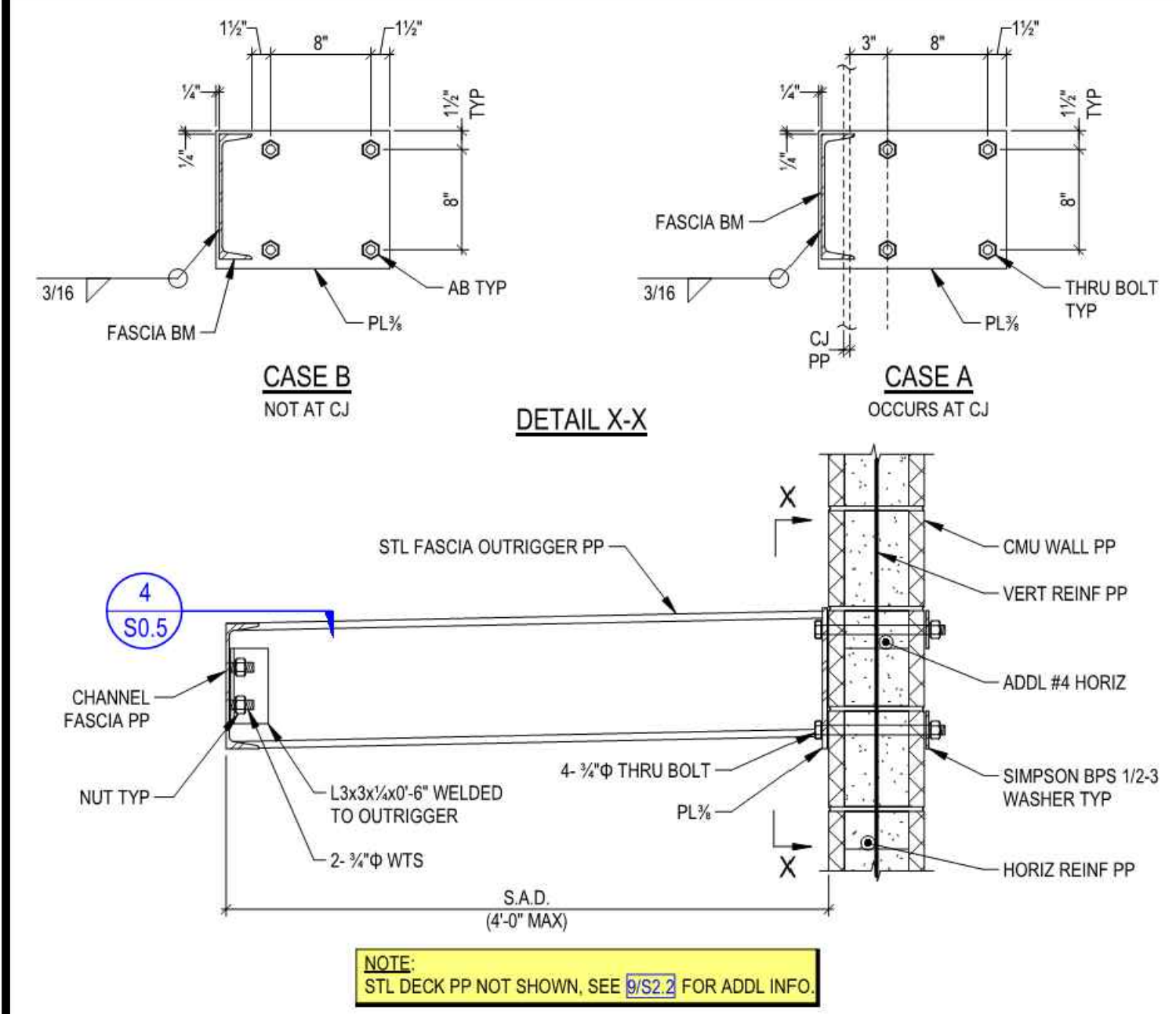
CANOPY LEDGER CONNECTION
SCALE: NONE



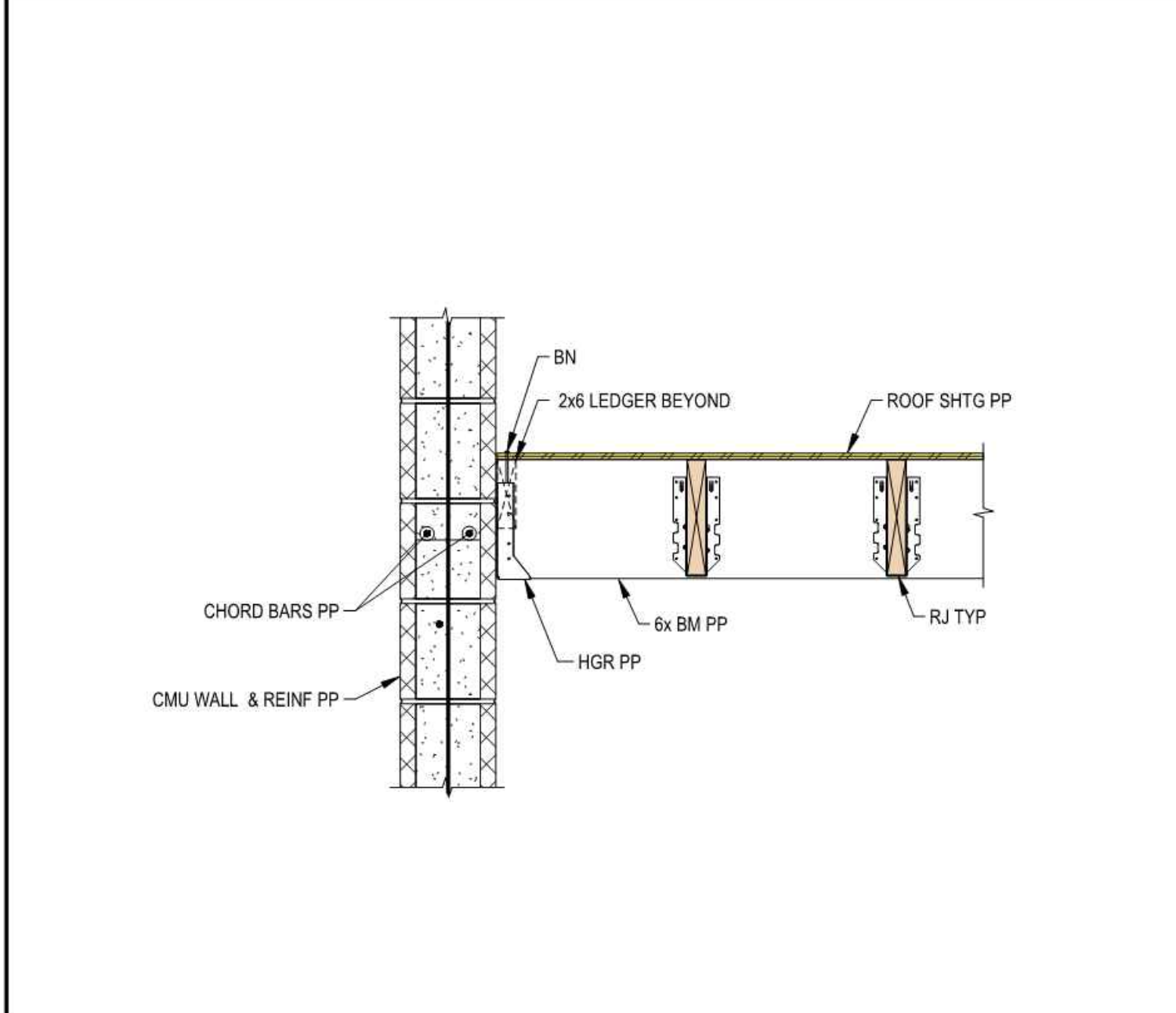
ROOF FRAMING AT INTERIOR CMU WALL CONNECTION
SCALE: NONE



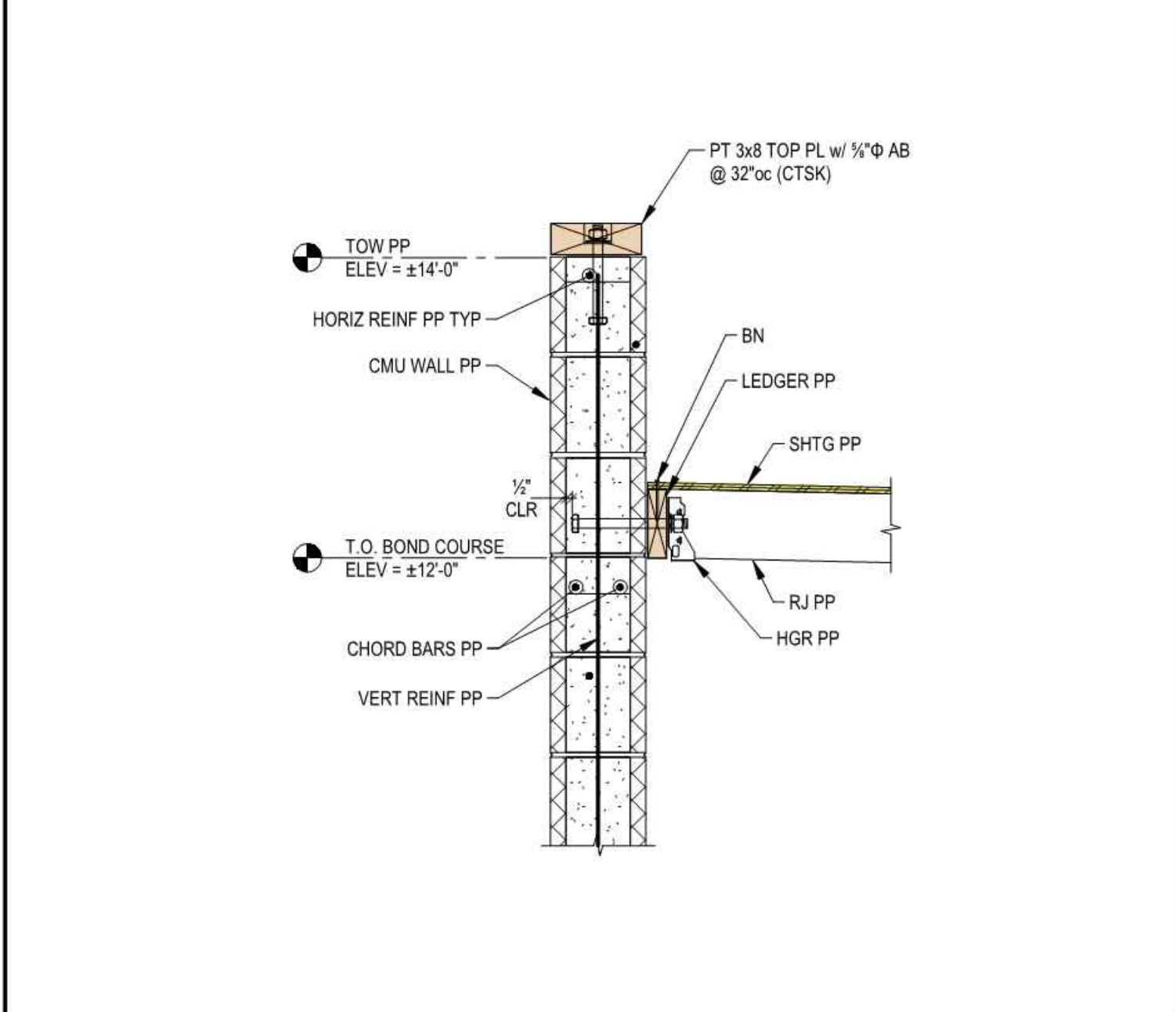
TYPICAL LEDGER CONNECTION @ FRAMING PARALLEL TO WALL
SCALE: NONE



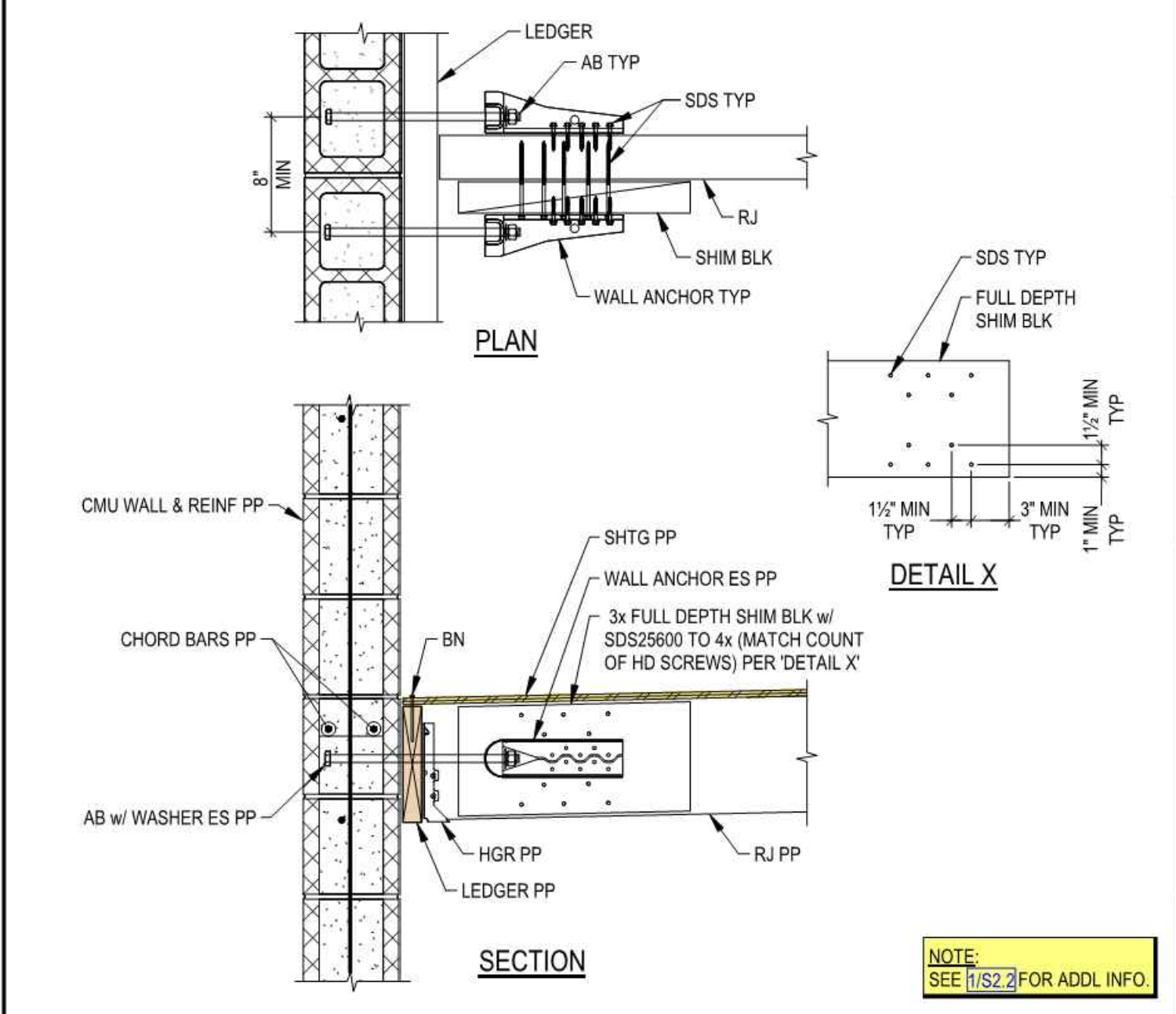
CANOPY FRAMING SUPPORT (CHANNEL FASCIA)
SCALE: NONE



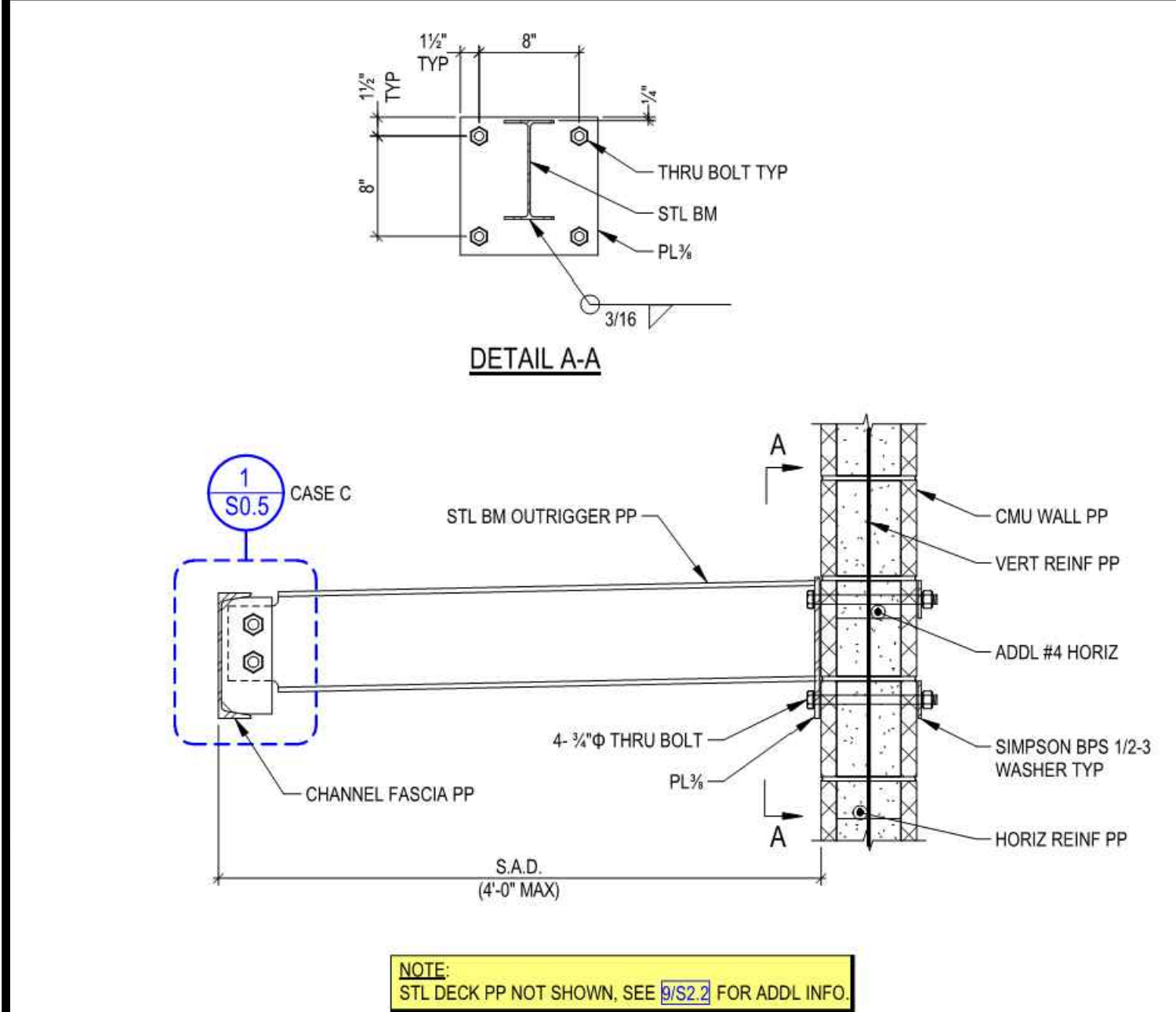
6x BEAM TO CMU WALL CONNECTION
SCALE: NONE



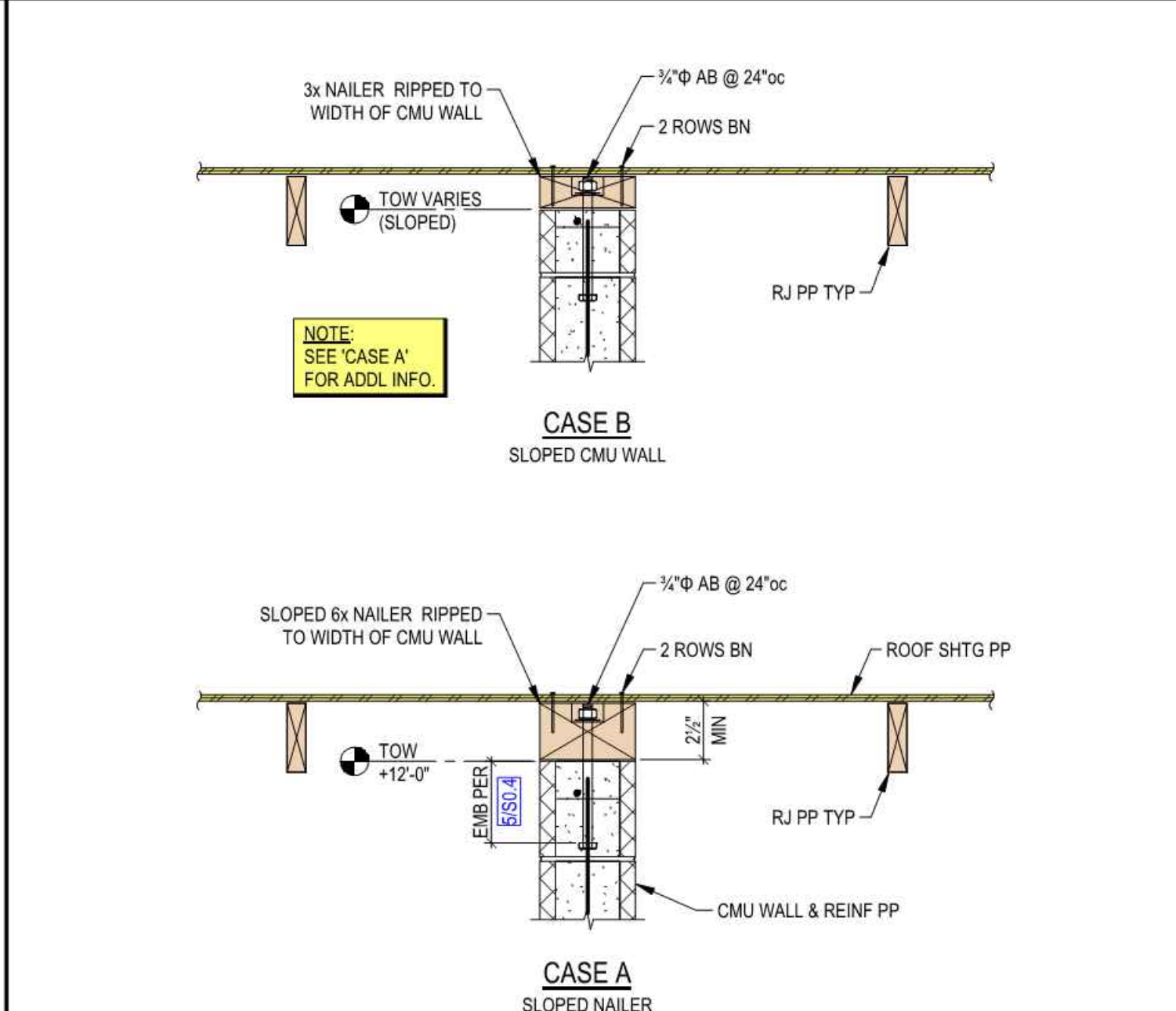
TYPICAL ROOF JOIST TO LEDGER CONNECTION
SCALE: NONE



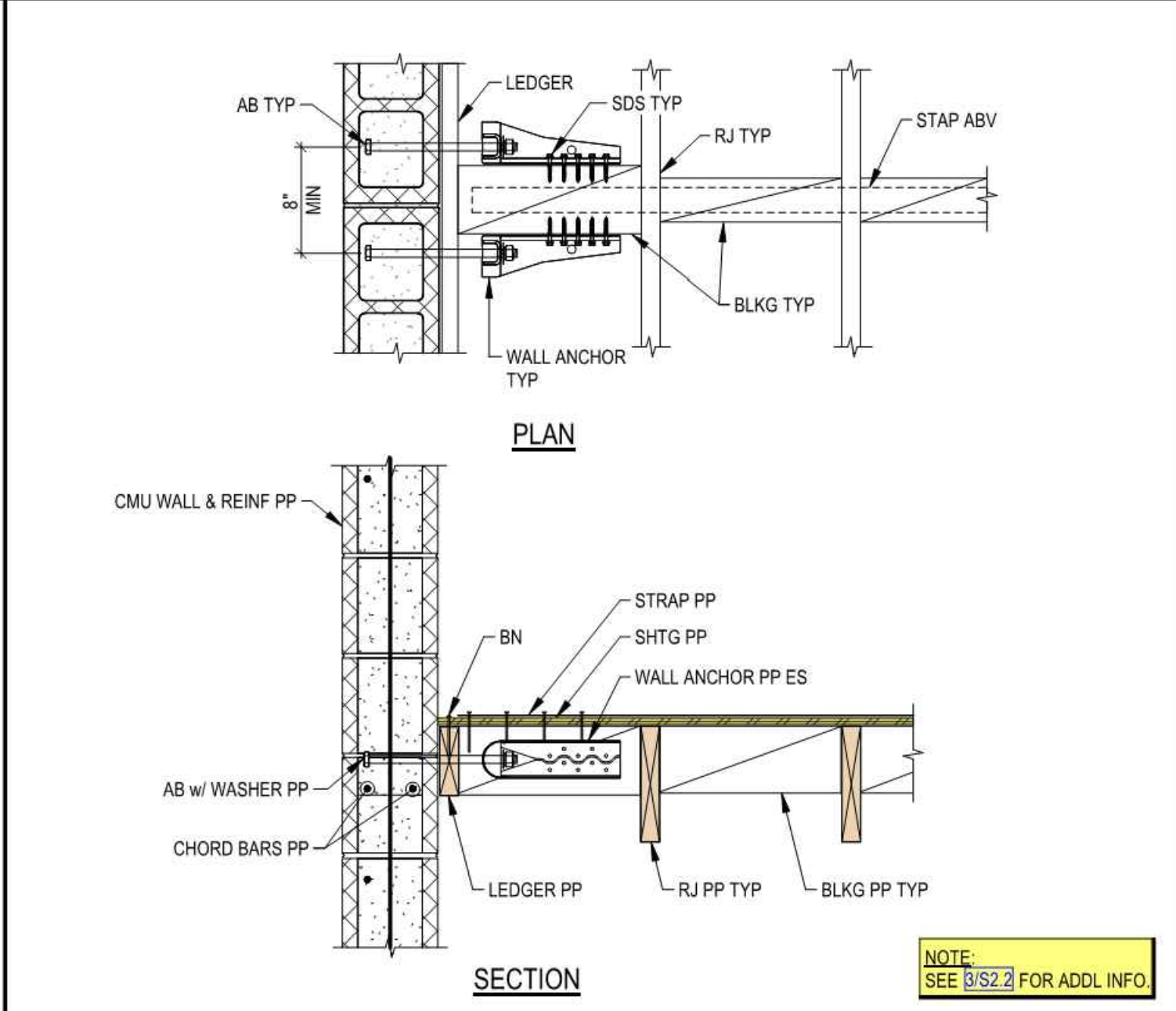
TYPICAL WALL ANCHOR TO ROOF JOIST CONNECTION
SCALE: NONE



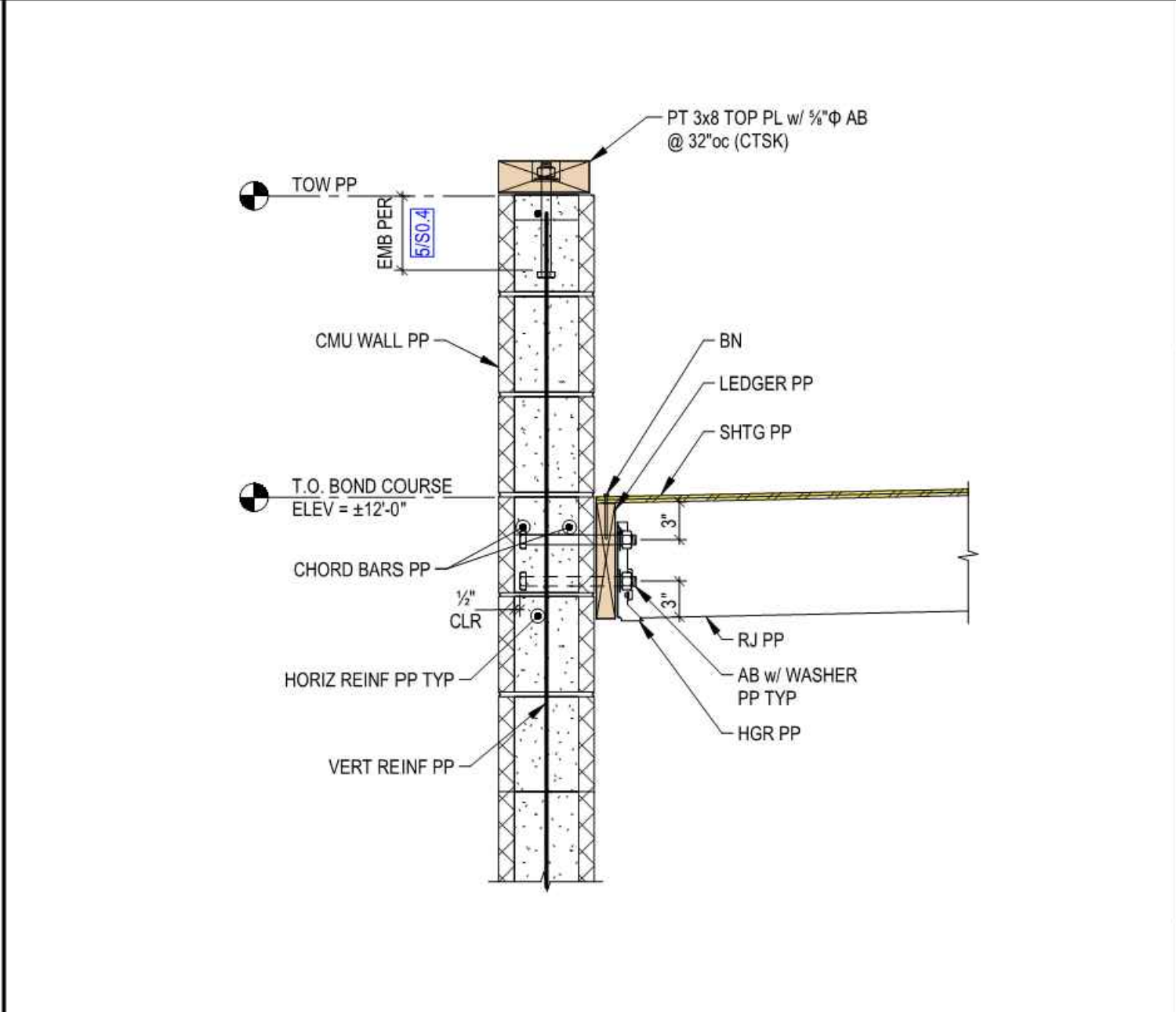
CANOPY FRAMING SUPPORT (STEEL BEAM)
SCALE: NONE



ROOF FRAMING AT INTERIOR CMU WALL CONNECTION
SCALE: NONE



TYPICAL WALL ANCHOR TO BLOCKING CONNECTION
SCALE: NONE



TYPICAL ROOF JOIST TO LEDGER CONNECTION
SCALE: NONE

REVISIONS:	09/30/2025	EXECUTED DATE
DATE: 09/30/2025	FILE: S2.2	FILE: S2.2
FILE: S2.2	FILE: S2.2	FILE: S2.2

IN ACCORDANCE WITH RESOLUTION NO. 19-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, I HEREBY CERTIFY TO THE CITY ENGINEER, AND ASSISTANT CITY ENGINEERS, THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA, LICENSE NO. 5659, AND I HAVE REVIEWED AND APPROVED THE PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OF THE IMPROVEMENTS TO THE NEW HALL PARK POOL PUMP ROOM RENOVATION, AND I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO, THE PROJECT, AND I DO HEREBY CERTIFY THAT I AM NOT PROVIDING ANY PROFESSIONAL SERVICE TO ANY OTHER PROJECT, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS APPLIED.

ALEXANDROS G. BLETSOS
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
No. 5659
SIGNED 04.30.2025

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ENGINEERING
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Forest, CA 92630
Tel: 949.916.3440
www.spirestructures.com

PREPARED BY: ALEXANDROS BLETSOS
PROJECT ENGINEER
R.S.E. NO. 5659
EXP. 09/30/2025

DRAWN: BTM
SCALE: AS SHOWN

DESIGNED: AGB

CHECKED: AGB

DATE: 02/17/2020

JOB#: 24PAC01

ENG: AGB

TITLE: DETAILS

NEW HALL PARK POOL
PUMP ROOM RENOVATION
PLANS
SANTA CLARITA CA

SHEET: S2.2

29 OF 61 SHEETS

JOB NO. C258

EXISTING EQUIPMENT LIST					
CONTRACTOR TO EXAMINE CONDITION AND REUSE ON SITE					
NO	ITEM	MODEL	MFG/SUPPLIER	DESCRIPTION	QTY
1	FILTER	CARBON STEEL FILTER	EPD USA INC	CARBON STEEL POLYETHYLENE LINED STEEL FILTER, THREE LINE ASSEMBLE, SIZE 13.5 SF. RATED FOR 600 GPM AND 40.5SF. FILTER TO BE PROTECTED AND REUSED, EXISTING SAND TO BE REPLACED WITH NEW SAND.	1
2	6" BASKET STRAINER	EXISTING	EXISTING	6" IN-LINE BASKET STRAINER TO BE PROTECTED AND REUSED	2
3	500 GAL CHLORINE TANK	TC5971DC	CHEMTAINER	CHLORINE TANK PER CHEMTAINER DOUBLE WALL TANK MODEL TC5971DC, RATED 500 GAL. CHLORINE TANK TO BE PROTECTED AND REUSED. CONTRACTOR TO PROVIDE SEISMIC RESTRAINTS AND CALCULATIONS.	1
4	350 GAL ACID TANK	TC5256DC	CHEMTAINER	ACID TANK PER CHEMTAINER DOUBLE WALL TANK MODEL TC5256DC, RATED 350 GAL. ACID TANK TO BE PROTECTED AND REUSED. CONTRACTOR TO PROVIDE SEISMIC RESTRAINTS AND CALCULATIONS.	1
5	EYE WASH STATION	EXISTING	EXISTING	EYEWASH STATION TO BE PROTECTED AND REUSED PER DETAIL B ON SHEET W242	1
6A	CHLORINE CHEMICAL DOSING PUMP	85M5	STENNER	CHEMICAL DOSING PUMP PER "STENNER" MODEL 85M5 RATED 25PSI. DOSING PUMP TO BE PROTECTED AND REUSED.	1
6B	CHLORINE CHEMICAL DOSING PUMP	45M5	STENNER	CHEMICAL DOSING PUMP PER "STENNER" MODEL 45M5 RATED 25PSI. DOSING PUMP TO BE PROTECTED AND REUSED.	1
7	ACID CHEMICAL DOSING PUMP	45M5	STENNER	CHEMICAL DOSING PUMP PER "STENNER" MODEL 45M5 RATED 25PSI. DOSING PUMP TO BE PROTECTED AND REUSED.	1
8	HEATER	HIGH DELTA 2002C	RAYPAK	POOL HEATER PER "RAYPAK" HIGH DELTA MODEL 2002C RATED FOR 1999 MBTU TO BE PROTECTED AND REUSED.	1
9	PRESSURE SUSTAINING PUMP	STA-RITE PL SERIES	PENTAIR	PRESSURE SUSTAINING PUMP PER PENTAIR STA-RITE PL SERIES PUMP MODEL PLBC-178L, RATED 1/2 HP, 60HZ TO BE PROTECTED AND REUSED.	1

NEW EQUIPMENT LIST					
NO	ITEM	MODEL	MFG/SUPPLIER	DESCRIPTION	QTY
10	VERTICAL TURBINE PUMP	VIT-DITM 11CLC	GOULDS	VERTICAL TURBINE PUMP PER "GOULDS" VIT-SHORT SET LINESHAFT TURBINE PUMP, MODEL NUMBER VIT-DITM 11CLC, RATED 600 GPM @ 59' TDH, 15 HP, 1770 RPM, 208/120 V 3-phase, 4Ø, 60 HZ, VFD CONTROLLED, NSF 50 RATED, INVERTER DUTY MOTOR	1
11	ACCESS HATCH	H60601701	EJ	60"x60" ALUMINUM ACCESS HATCH ASSEMBLY, CHANNEL FRAME WITH LIFT ASSIST, BY EJ, PRODUCT NUMBER H60601701	1
12	CHEMICAL CONTROLLER	BECSYS7	BECS TECHNOLOGY	CHEMICAL CONTROLLER PER "BECS" MODEL BECSYS7	1
13	FLOW METER	SIGNET P51530	GF	FLOW METER PER "GF" SIGNET SERIES MODEL P51530,	1
14	FLOW TRANSMITTER	SIGNET 9900	GF	FLOW TRANSMITTER PER "GF" SIGNET SERIES MODEL 9900	1
15	EYEWASH HOSE	G5010	GUARDIAN	EYEWASH HOSE PER "GUARDIAN" MODEL G5010, RATED 300PSI, 3/8" NPT MALE SWIVEL INLET	2
16	LARGE EXHAUST FAN	P15SS2P050	PLASTEC	EXHAUST FAN PER "PLASTEC" MODEL P15SS2P050 RATED SINGLE PHASE, 0.5 HP, 3370 RPM, DESIGN FLOW 550 CFM	2
17	SMALL EXHAUST FAN	P15SS6P025	PLASTEC	EXHAUST FAN PER "PLASTEC" MODEL P15SS6P025 RATED SINGLE PHASE, 0.25 HP, 1120 RPM, DESIGN FLOW 100 CFM	6
18	PRESSURE GAUGE	PT45A1A*P17-G-P-MPPA	REOTEMP	PRESSURE GAUGE PER "REOTEMP" MODEL PART #: PT45A1A*P17-G-P-MPPA, PT45A1: 4.5" PROCESS GAUGE, THERMOPLASTIC CASE, SS WETTED, A*: BOTTOM CONNECTION TO DIAPHRAGM SEAL, P17: PRESSURE RANGE 0 – 60 PSI, G: GLYCERIN CASE FILL, P: PLASTIC LENS, MP: MIN/MAX POINTER	1
19	PRESSURE TRANSDUCER	TA1P171A-M00-*--MC-PB	REOTEMP	PRESSURE TRANSDUCER PER "REOTEMP" MODEL PART #: TA1P171A-M00-*--MC-PB, TA1: INDUSTRIAL TRANSMITTER, P17: RANGE: 0/60 PSI, 1: ACCURACY: +/-0.5% @77F (BSL), A: OUTPUT SIGNAL: 4–20 MA (2–WIRE, STD. / 3–WIRE TDS MODELS), M00: ELEC. CONNECTION – M12X1 (4–PIN), *: PROCESS CONNECTION – CONNECTION TO DIAPHRAGM SEAL, MC: OPTION – M12X1 FEMALE CONNECTOR – FIELD WIREABLE	1
20	LEVEL SENSOR	3-F	WARRICK	LIEVEL SENSOR PER "WARRICK" SERIES 3F, 3" PVC STRUCTURE WELL, 3 PROBE ASSEMBLY.	1
21	DOOR LOUVERS	DAYTON 5NKN0	GRAINGER	ALUMINUM 12"H X 24"W DOOR LOUVER PER "GRAINGER" PART NUMBER 5NKN0 RATED FOR 1.1 SQ. FT FREE AREA	12

CITY OF SANTA CLARITA
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Sep 16, 2025
F. Svendsen



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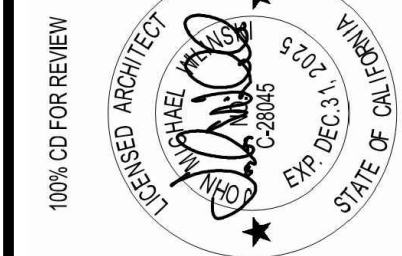
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DESIGNED BY: F. Svendsen	09/30/2025
PREPARED BY: Z. Wang	09/30/2025
EXECUTED BY:F. Svendsen	09/30/2025
EXECUTED BY:F. Svendsen	09/30/2025

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: Z. WANG	PROJECT ENGINEER R.C.E. NO. -- # 69315	SCALE	DATE 09/29/2025
EXP. 06/30/2026	DRAWN J.P.	DESIGNED J.P.	CHECKED Z.S.

EQUIPMENT LIST

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

SANTA CLARITA
CA

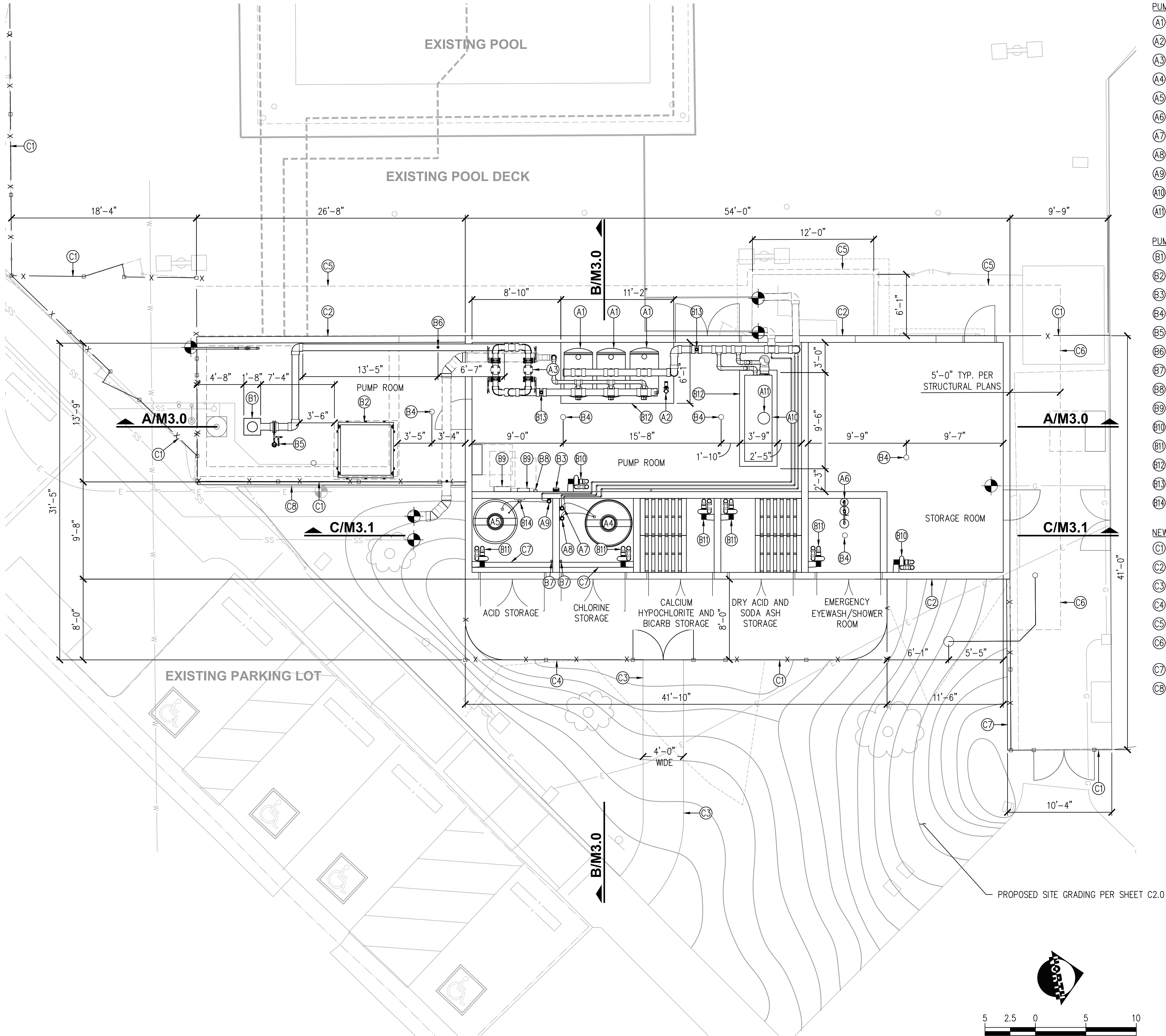
C258
SHEET

M1.0

30 OF 61 SHEETS

JOB NO.

C258



SITE PLAN
SCALE: 1"=5'-0"

CONSTRUCTION NOTES

PUMP STATION EQUIPMENT TO BE PROTECTED AND REUSED

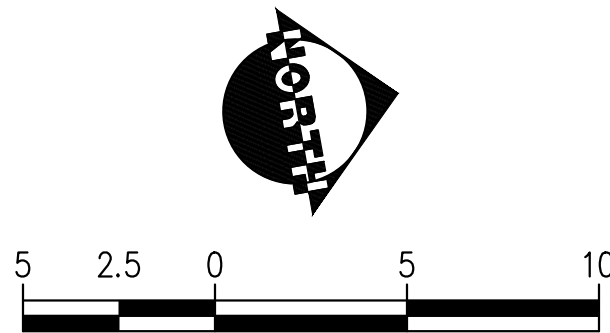
- A1) INSTALL POOL FILTER PER EQ. LIST #1 ON SHEET M1.0
- A2) INSTALL PRESSURE SUSTAINING PUMP PER EQ LIST #9 ON SHEET M1.0
- A3) INSTALL BASKET STRAINER PER EQ. LIST #2 ON SHEET M1.0
- A4) INSTALL 500 GAL CHLORINE TANK PER EQ. LIST #3 ON SHEET M1.0
- A5) INSTALL 350 GAL ACID TANK PER EQ. LIST #4 ON SHEET M1.0
- A6) INSTALL EYE WASH STATION PER EQ. LIST #5 ON SHEET M1.0
- A7) INSTALL CHLORINE CHEMICAL DOSING PUMP PER EQ. LIST #6.A ON SHEET M1.0
- A8) INSTALL CHLORINE CHEMICAL DOSING PUMP PER EQ. LIST #6.B ON SHEET M1.0
- A9) INSTALL ACID CHEMICAL DOSING PUMP PER EQ. LIST #7 ON SHEET M1.0
- A10) INSTALL POOL HEATER PER EQ. LIST #8 ON SHEET M1.0
- A11) INSTALL POOL HEATER VENTILATION PER DETAIL B SHEET M4.3

PUMP STATION NEW EQUIPMENT

- B1) INSTALL VERTICAL TURBINE PUMP PER EQ. LIST #10 ON SHEET M1.0
- B2) INSTALL 60" x 60" ALUMINUM ACCESS HATCH PER EQ. LIST #11 ON SHEET M1.0
- B3) INSTALL CHEMICAL CONTROLLER PER EQ. LIST #12 ON SHEET M1.0
- B4) INSTALL NEW 3" AREA DRAIN PER ZURN MODEL Z1730
- B5) INSTALL NEW PRESSURE GUAGE AND TRANSDUCER PER DETAIL F SHEET M4.3
- B6) INSTALL NEW FLOW METER PER EQ LIST #13 ON SHEET M1.0
- B7) INSTALL NEW EYEWASH HOSE PER EQ LIST #15 ON SHEET M1.0
- B8) INSTALL NEW WALL MOUNTED FLOW TRANSMITTER PER EQ LIST #14 ON SHEET M1.0
- B9) INSTALL NEW ELECTRICAL PANEL PER ELECTRICAL SHEETS
- B10) INSTALL NEW LARGE EXHAUST FAN PER EQ LIST #16 ON SHEET M1.0
- B11) INSTALL NEW SMALL EXHAUST FAN PER EQ LIST #17 ON SHEET M1.0
- B12) INSTALL NEW HOUSEKEEPING PAD PER DETAIL 6 SHEET S2.1
- B13) INSTALL NEW AIR RELIEF VALVE PER DETAIL D SHEET M4.1
- B14) INSTALL NEW CHEMICAL FUME SCRUBBER PER DETAIL B SHEET M4.1

NEW LANDSCAPE FEATURES

- C1) INSTALL NEW WROUGHT-IRON FENCE PER DETAIL B SHEET C3.0
- C2) INSTALL NEW BUILDING PER ARCHITECTURAL AND STRUCTURAL PLANS
- C3) INSTALL NEW CONCRETE ACCESS WALKWAY PER DETAIL 10 SHEET S.04
- C4) INSTALL NEW CONCRETE ENTRY PAD PER DETAIL 10 SHEET S.04
- C5) INSTALL NEW POOL DECK TO TIE INTO EXISTING POOL DECK PER DETAIL 12 SHEET S0.4
- C6) INSTALL NEW CONCRETE SLAB TO TIE INTO EXISTING CONCRETE SLAB PER DETAIL 12 SHEET S0.4
- C7) INSTALL NEW 6" CONSTRUCTION CURB PER DETAIL 7 SHEET S2.1
- C8) INSTALL NEW CONTAINMENT WALL PER DETAIL 5 SHEET S2.1



BLD25-00576 (ARCH)

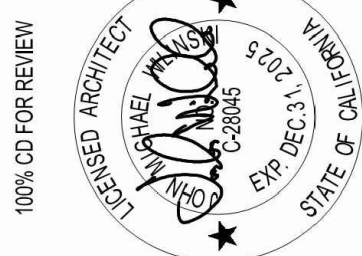
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DESIGNED BY: Lyle L. Smith	09/30/2025
DATE	EXECUTION DATE
DESIGNED BY: Lyle L. Smith	09/30/2025
DATE	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO EXISTING PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE CODE SECTION 830.6 FOR THE ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: ZIRANG SONG	PROJECT ENGINEER	SCALE	DATE
R.C.E. NO. -- # 69315	EXP. 06/30/2026	J/P	03/2025
DRAWN	DESIGNED	CHECKED	
J/P	J/P	Z/S	

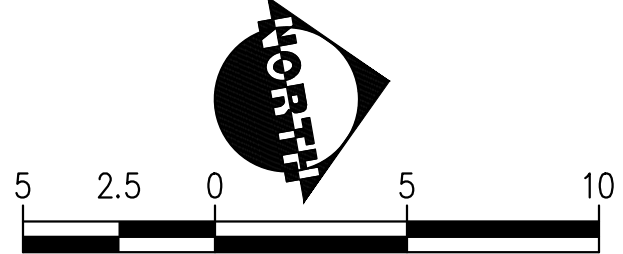
EQUIPMENT LAYOUT PLAN

**NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)**

M2.0

31 OF 61 SHEETS
JOB NO. C258

xrefs: C258 Titleblock.dwg; Mechanical Layout.dwg; Piping Layout.dwg; Grading Plan.dwg; Existing Utilities.dwg; C258 Survey Basefile.dwg; C258 Survey Basefile.dwg; Civil 3d.dwg
Dmscale = 1; Ltscale = 1; ACAD Ver. = 23.0s (LMS Tech); Wsetain = 1



MECHANICAL PIPING NOTES

- (A1) INSTALL NEW 4" PVC SCH. 80 PIPE
- (A2) INSTALL NEW 4" PVC SCH. 80 90° ELBOW
- (A3) INSTALL NEW 4" PVC SCH. 80 TEE
- (A4) INSTALL NEW 8"x4"x8" PVC SCH. 80 TEE
- (A5) INSTALL NEW 8"x2"x8" PVC SCH. 80 TEE
- (A6) INSTALL NEW 8"x8"x8" PVC SCH. 80 TEE
- (A7) INSTALL NEW 8"x6" PVC SCH. 80 REDUCING BUSHING (SPIGOT X SOCKET)
- (A8) INSTALL NEW 6" PVC SCH. 80 PIPE
- (A9) INSTALL NEW 6" PVC SCH. 80 90° ELBOW
- (A10) INSTALL NEW 6" SCH 80 PVC BUTTERFLY VALVE
- (A11) INSTALL NEW 8" PVC SCH. 80 PIPE
- (A12) INSTALL NEW 8" PVC SCH. 80 90° ELBOW
- (A13) INSTALL NEW 8" PVC SCH. 80 TEE
- (A14) INSTALL NEW 8" PVC SCH. 80 PIPE END CAP
- (A15) INSTALL NEW 3" SCH 40 PVC SEWER DRAIN
- (A16) INSTALL NEW 3" SCH 40 PVC SEWER DRAIN PIPE
- (A17) INSTALL STANDPIPE PER DETAIL A SHEET M4.1
- (A18) INSTALL NEW 2" PVC WATER LINE TO CONNECT TO NEW EYEWASH STATION
- (A19) INSTALL NEW 3" BLACK IRON GAS LINE TO CONNECT TO EXISTING HEATER
- (A20) INSTALL NEW LEVEL SENSOR PER DETAIL F SHEET M4.1
- (A21) INSTALL NEW FILL LINE AND SOLENOID VALVE PER DETAIL E SHEET M4.1
- (A22) NEW PVC PIPE TIE INTO EXISTING PVC PIPE
- (A23) NEW PRESSURE GAUGE AND TRANSMITTER PER DETAIL B SHEET M4.2
- (A24) NEW FLOW METER PER EQ. LIST #13 ON SHEET M1.0
- (A25) NEW 10" DWV PIPE
- (A26) NEW 10" DWV 45° BEND
- (A27) NEW DWV TO VCP TIE IN PER DETAIL D SHEET M4.2
- (A28) NEW 4" CPVC PIPE
- (A29) NEW 4" CPVC 90° ELBOW
- (A30) NEW 1/2" CHEMICAL FUME SCRUBBER TUBING PER DETAIL B SHEET M4.1
- (A31) NEW 1/2" CHEMICAL SLEEVE PER DETAIL D SHEET M4.0
- (A32) NEW 4" SD LINE PER SHEET C2.2
- (A33) NEW 3/4" HOSE BIB
- (A34) 10" PVC COMBUSTION AIR DUCT PER SHEET M4.3

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED

Under SCMC Titles
18, 19, 20, 21, 24, 25

Sep 16, 2025

F. Svendsen





BLD25-00576 (ARCH)

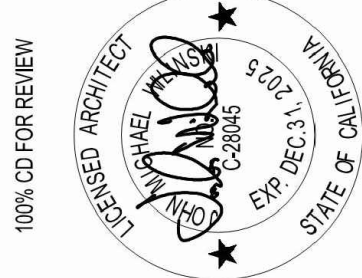
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REVIEWED BY: Signed by: <i>Keith Hupfeld</i> PROJECT MANAGER PM - DESIGN	09/30/2025 EXECUTION DATE
REVIEWED BY: Signed by: <i>Keith Hupfeld</i> PROJECT MANAGER PM - CONSTRUCTION	09/30/2025 EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION No. 19, as a RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF IMPROVEMENTS TO PUBLIC PROPERTY FOR PURPOSES OF DESIGN IMMUNITY PURSUANT TO AN ORDINANCE OF THE CITY OF SANTA CLARITA, THE CITY COUNCIL OF THE CITY OF SANTA CLARITA HEREBY DELEGATES TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF SUCH AN IMPROVEMENT TO PUBLIC PROPERTY, OR A CONSTRUCTION TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



ZIRANG SONG	
PROJECT ENGINEER	
R.C.E. NO. ---	# 69315
EXP. 06/30/2026	
DRAWN J.P	SCALE
DESIGNED J.P	
CHECKED Z.S	DATE 03/20/2025

PIPING PLAN

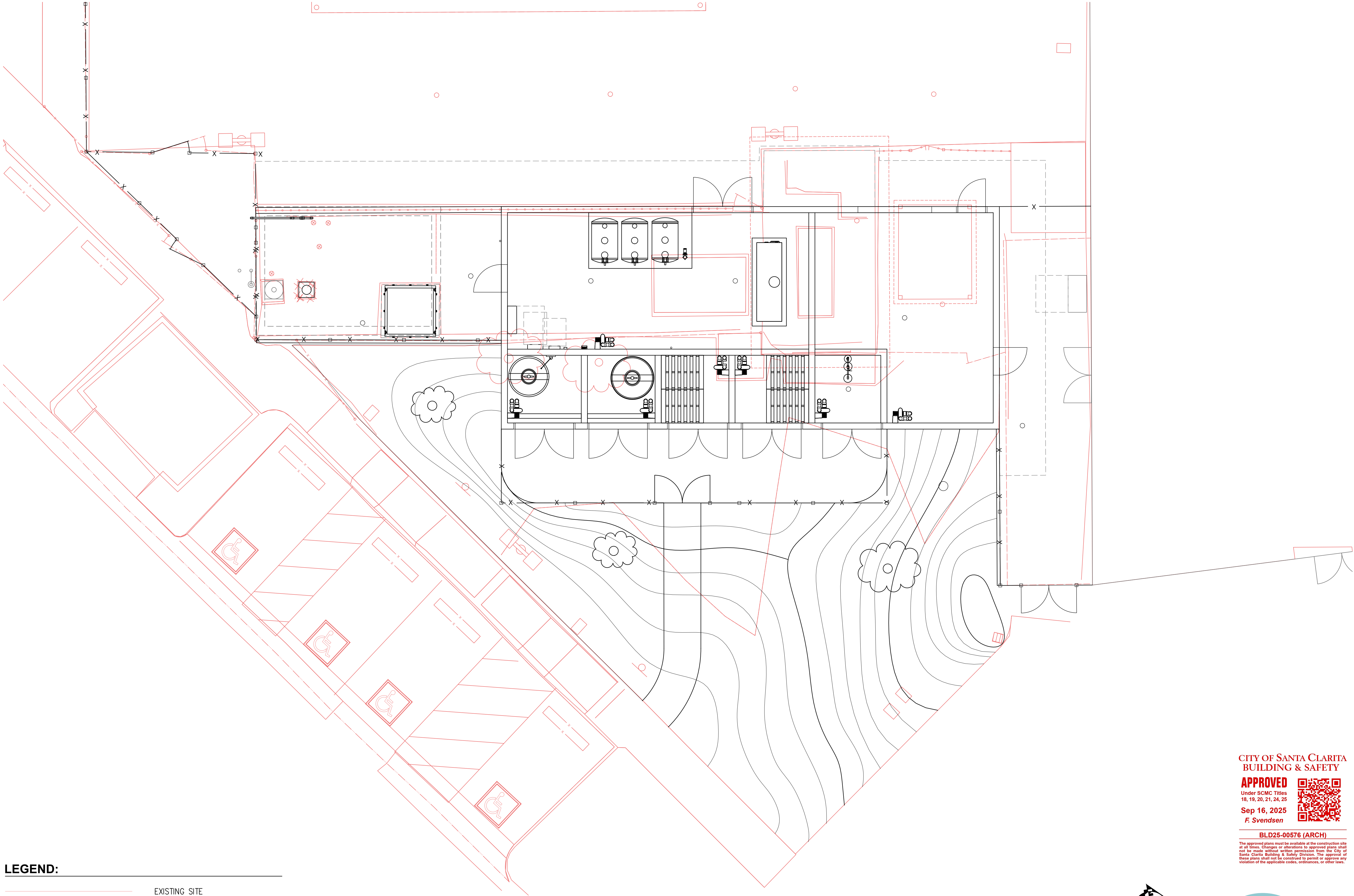
**NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)**

SANTA CLARITA
CA

SHEET

M2.1

32	OF	61	SHEETS
JOB NO.	C258		



LEGEND:

- EXISTING SITE
- PROPOSED PUMP STATION

SITE PLAN
SCALE: 1"=5'-0"

CITY OF SANTA CLARITA
BUILDING & SAFETY

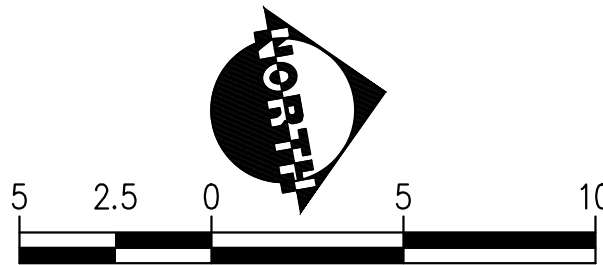
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)

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C258 SHEET 33 OF 61 SHEETS	NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD)	SANTA CLARITA CA	TITLE BUILDING FOOTPRINT	PREPARED BY ZIRANG SONG PROJECT ENGINEER R.C.E. NO. -- # 69315 EXP. 06/30/2026	100% CD FOR REVIEW LICENSED ARCHITECT F. SVENDSEN SEP 16, 2025 STATE OF CA	IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, AND TO EXERCISE THE DISCRETIONARY AUTHORITY OF THE CITY ENGINEER, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.	DESIGNED BY F. SVENDSEN DATE 09/30/2025	EXECUTED BY F. SVENDSEN DATE 09/30/2025
				CHECKED Z/S	DATE 09/29/2025	DESIGNED J/P	SCALE	EXECUTED F. SVENDSEN DATE 09/30/2025

JOB NO. C258



VARIES PER PLAN

8'-1"

7'-4"

14'-10"

12'-9"

8'-0"

14'-0"

FENCE AND FENCE POST PER SHEET C1.0

EXISTING SIDEWALK
FG. 100.5

EL. 100.0

FG. 100.19

FFE. 98.86

FG. 98.86

EXISTING POOL DECK

6"x6" CONTAINMENT CURB
PER DETAIL 7 ON SHEET S2.1

A3

A6

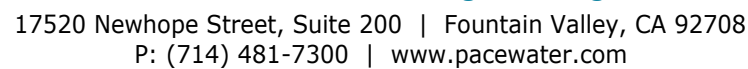
B6

A1

B5

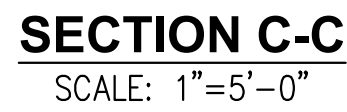
BUILDING FOOTING
PER
2
S2.1

COMPACT SUBGRADE PER
GEOTECHNICAL REPORT

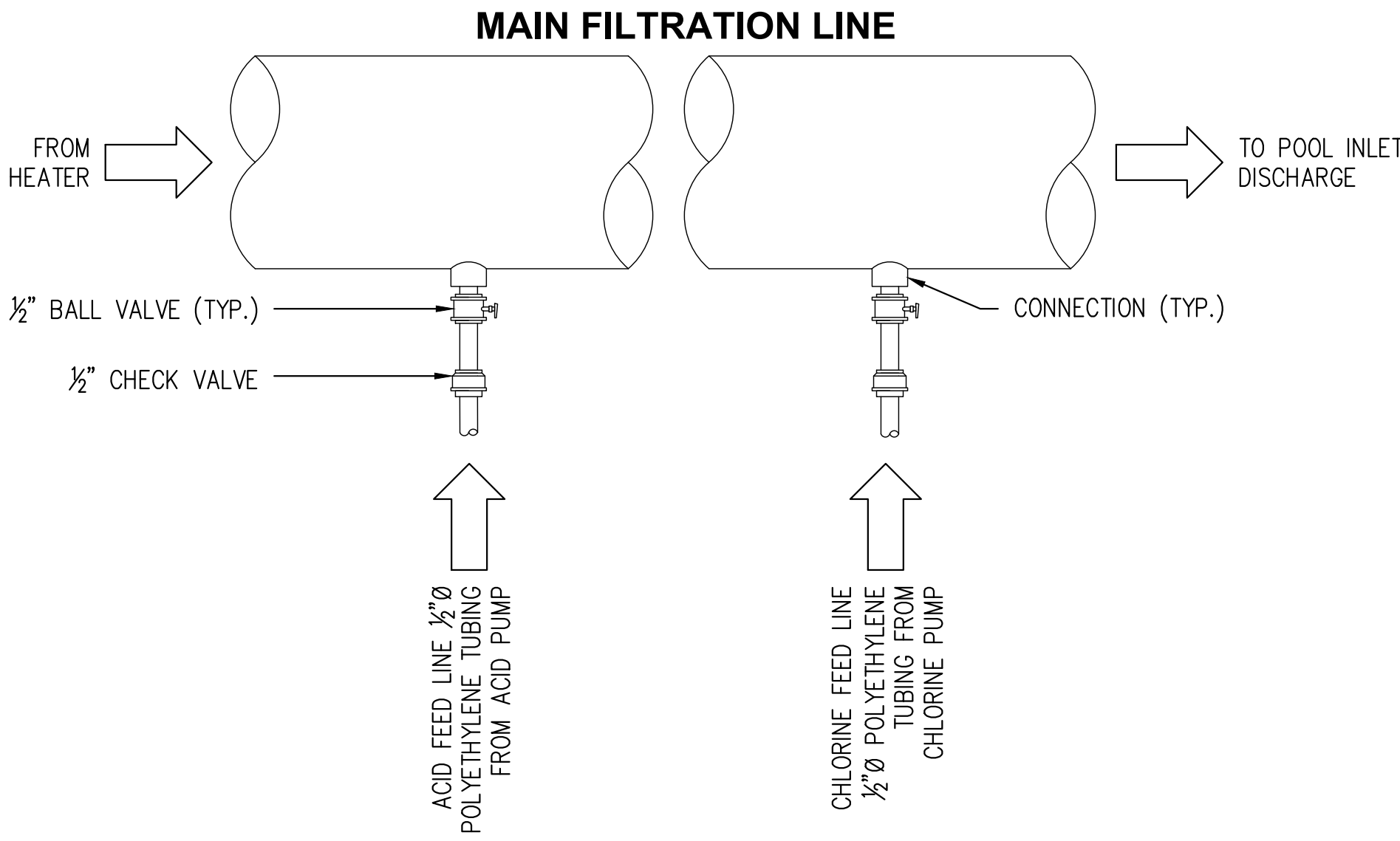


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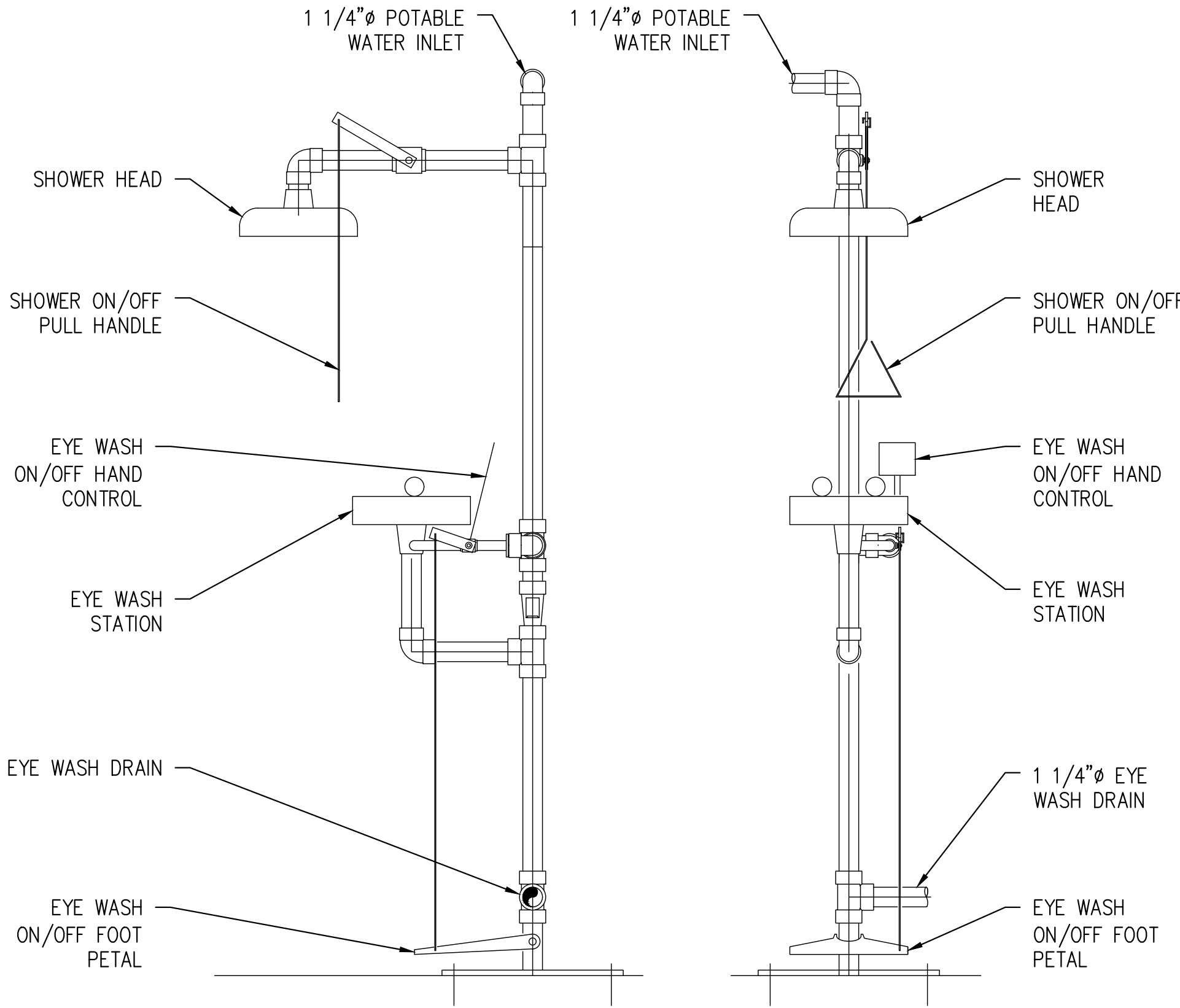
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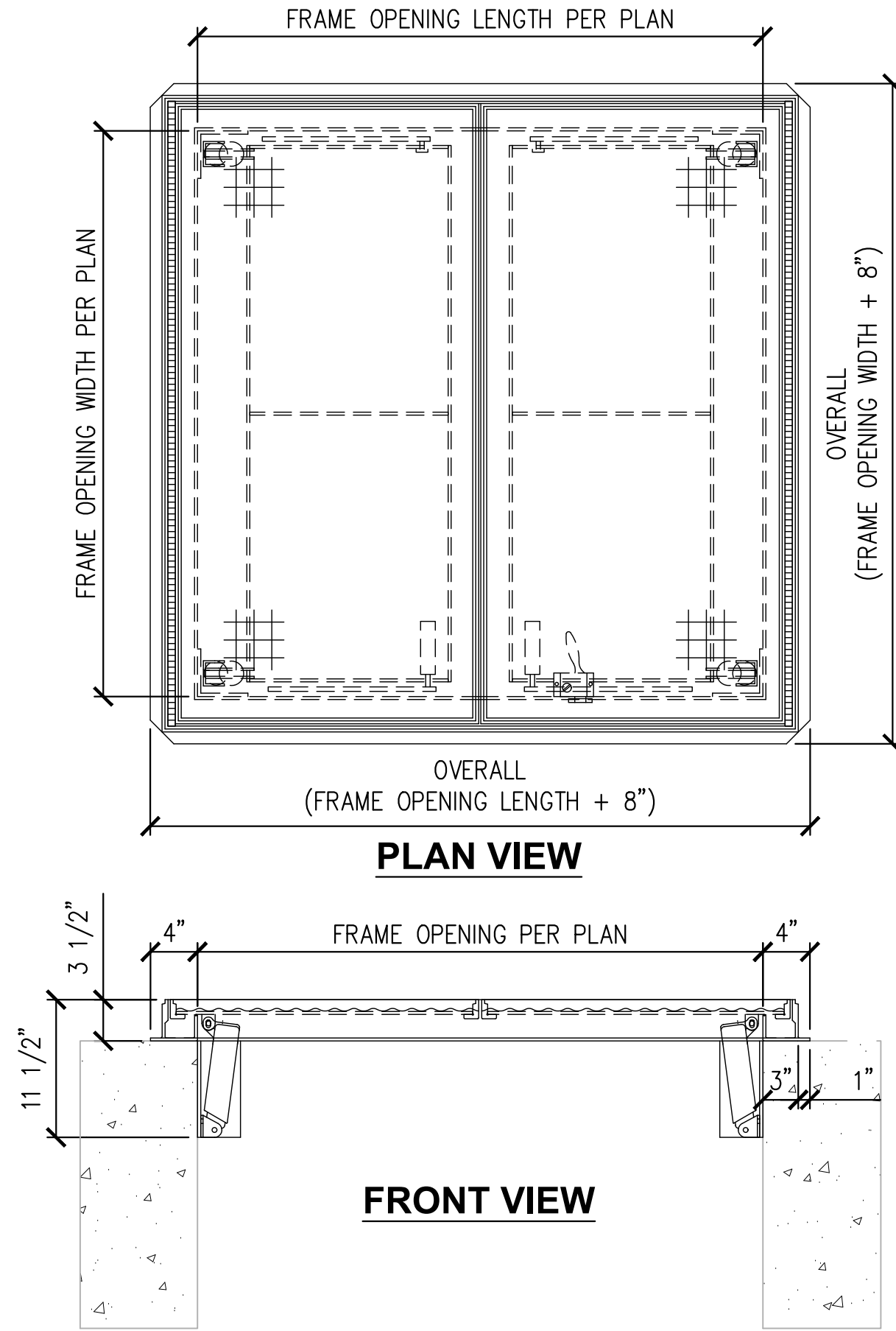
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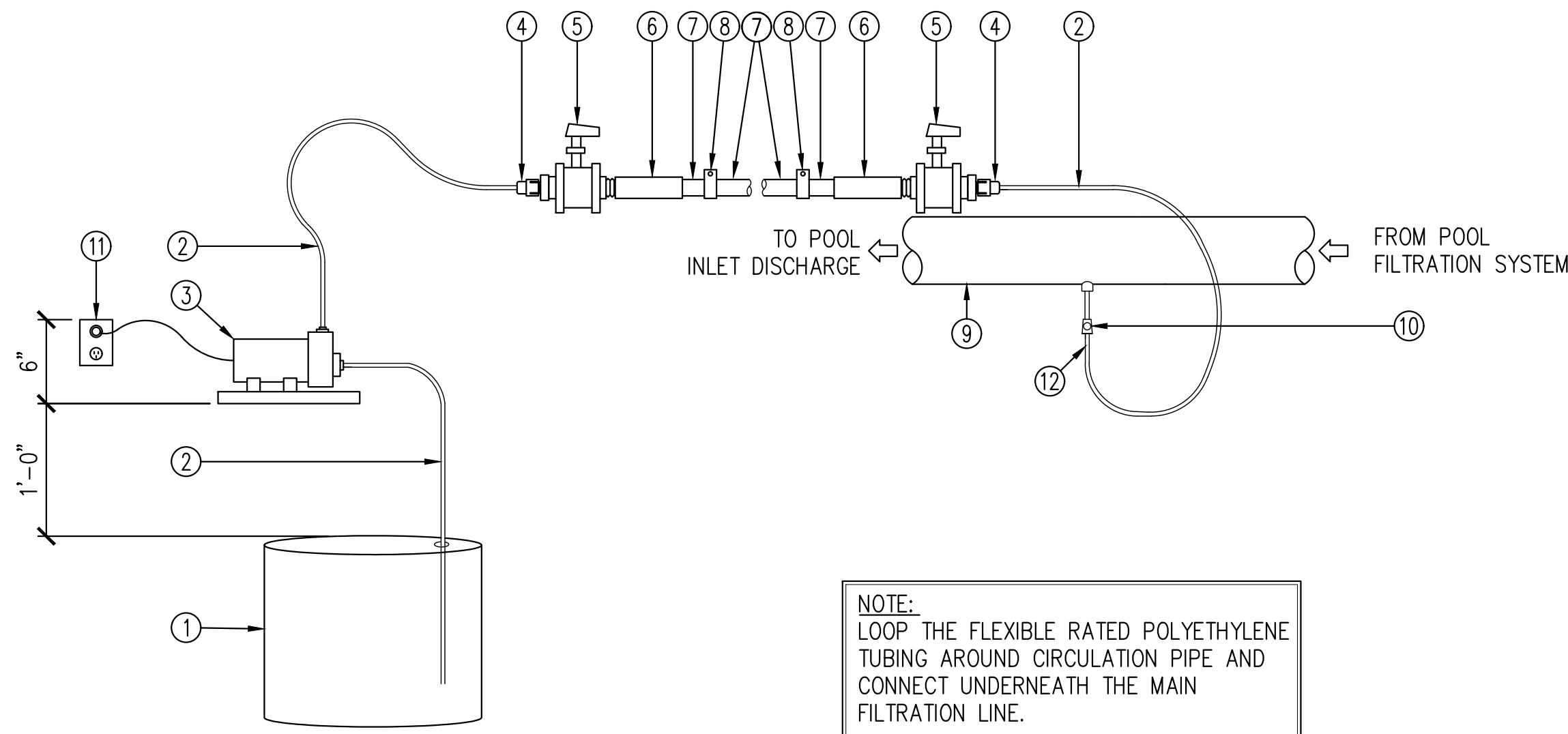
E **CHEMICAL FEED PIPE CONNECTION**
SCALE: NTS



F **EYEWASH STATION**
SCALE: 1"=1'-0"



C **ACCESS HATCH ASSEMBLY**
SCALE: 1"=1'-0"



D **CHEMICAL FEED SYSTEM**
SCALE: NTS

CONSTRUCTION NOTES:

- USE CAUTION. COVER IS SPRING LOADED. DO NOT REMOVE SAFETY SHIPPING BOLT UNTIL UNIT IS TO BE INSTALLED AND IN NORMAL HORIZONTAL OPERATING POSITION.
- BEFORE ANCHORING IN PLACE OPEN AND CLOSE DOOR. CHECK TO SEE THAT THE DOOR IN THE CLOSED POSITION RESTS ON THE FRAME ALL AROUND. IF NOT, SHIM UNDER THE FRAME AT THE PROPER CORNER.
- FRAME AREAS THAT COME IN CONTACT WITH CONCRETE SHALL BE COATED WITH BITUMINOUS PAINT

KEY NOTES:

- DOUBLE LEAF ACCESS HATCH W/ PAN COVER PER "EJ" MODEL# H60601701.
- 1" FILL (LANDSCAPE ARCHITECT TO MATCH SURROUNDING FINISH)
- TERRAZZO REINFORCED WIRE MESH
- 1/4" ALUMINUM COVER
- STAINLESS STEEL 3" PIANO HINGE
- RED VINYL GRIP
- EJ HEAVY DUTY AUTOMATIC HOLD OPEN ARM
- LIFTING MECHANISM W/ REINFORCED COMPOSITE TUBES & COMPRESSION SPRINGS
- 1/4" SUPPORT PLATE WELDED TO FRAME
- EJ 1/4" ALUMINUM CHANNEL W/ EXTRUDED 1" ANCHOR FLANGE
- 1/8" NEOPRENE CONTINUOUS BUMPER ALL AROUND
- STANDARD SLAM LOCK
- HEAVY DUTY CHECK CHAIN
- REMOVABLE COVER PLUG
- REMOVABLE SQUARE KEY WRENCH

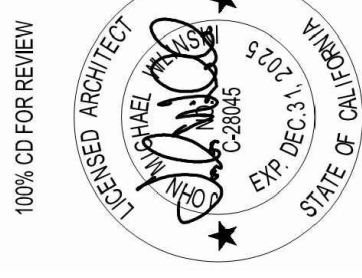
KEYNOTES

- CHEMICAL TANK
- FLEXIBLE PRESSURE RATED POLYETHYLENE TUBING SUPPLIED BY PUMP MANUFACTURER (MAX DISTANCES)
- CHEMICAL FEED PUMP PER EQUIPMENT LIST
- PIPE TO TUBE ADAPTER TYPICAL
- ISOLATION VALVE
- 1/2" SCH. 80 PVC FIP FEMALE ADAPTER TYPICAL
- 1/2" SCH. 80 PVC PIPE TYPICAL
- 1/2" PIPE CLIP B-LINE #B3191 AT 24" O.C. MOUNTED TO WALL
- POOL/SPA CIRCULATION PIPING
- CHEMICAL INJECTOR SUPPLIED BY CHEMICAL PUMP MANUFACTURER
- POWER OUTLET (ON/OFF CONTROL BY CHEMICAL CONTROLLER)
- NEEDS TO BE ACCESSIBLE FROM THE GROUND BY PERSONNEL WITHOUT A LADDER



DESIGNED BY: L.A. HALL	09/30/2025
EXECUTED BY: P.H. DESIGN	EXECUTION DATE
DESIGNED BY: L.A. HALL	09/30/2025
EXECUTED BY: P.H. DESIGN	EXECUTION DATE

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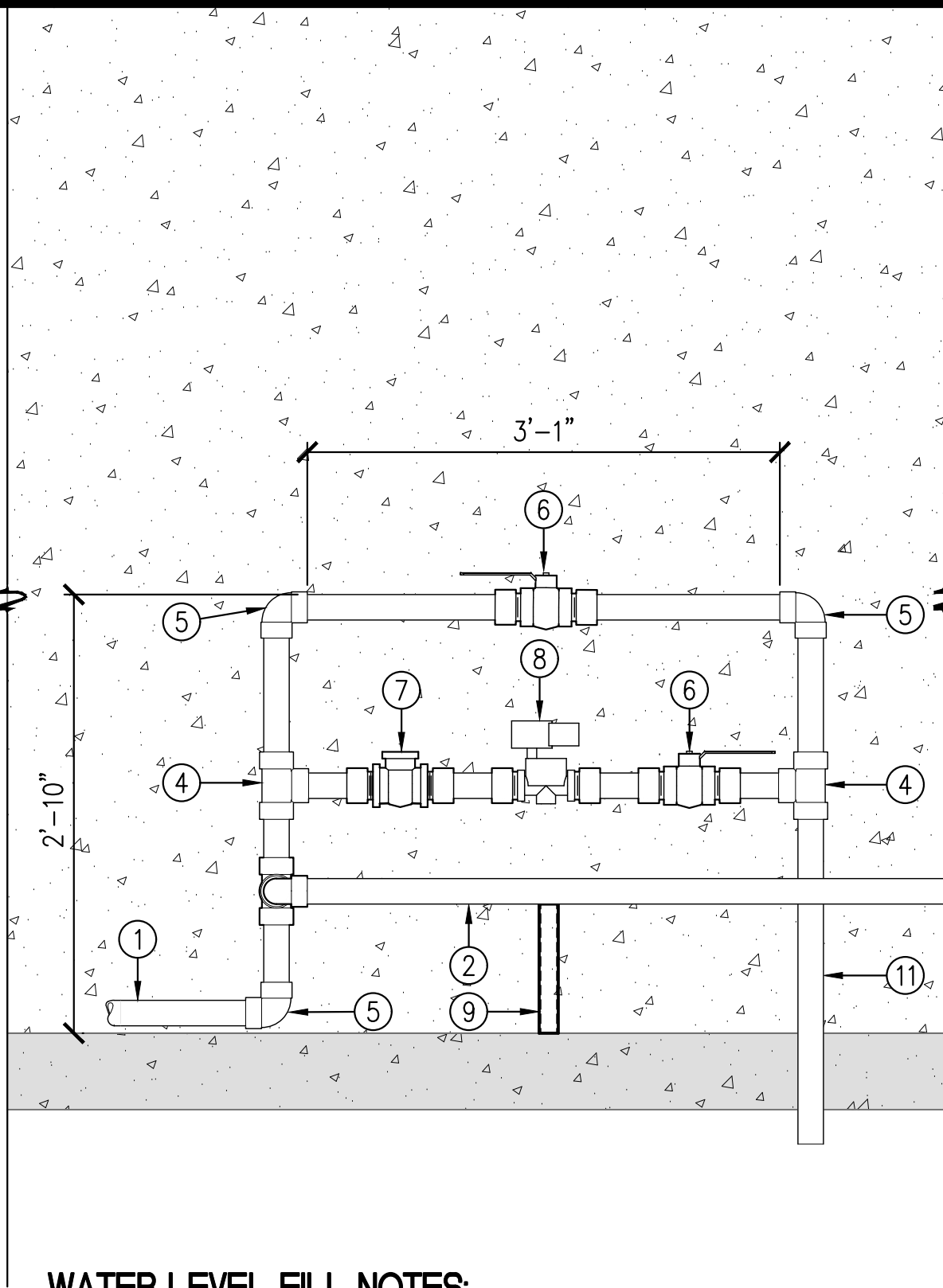
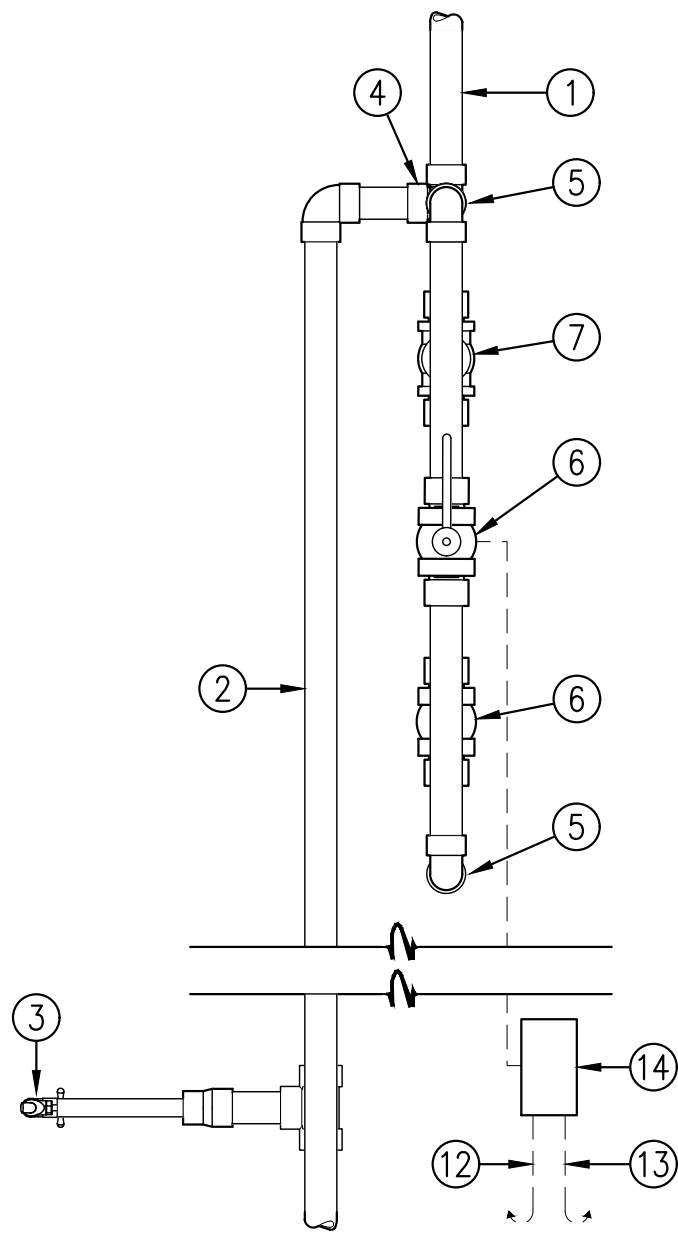
PREPARED BY: ZHIRANG SONG	PROJECT ENGINEER
R.C.E. NO. --	# 69315
EXP. 06/30/2026	SCALE
DRAWN J.P.	DESIGNED J.P.
CHECKED Z.S.	DATE 09/29/2025

TITLE
PUMP ROOM DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

SANTA CLARITA
CA

SHEET
M4.0
36 OF 61 SHEETS
JOB NO. C258

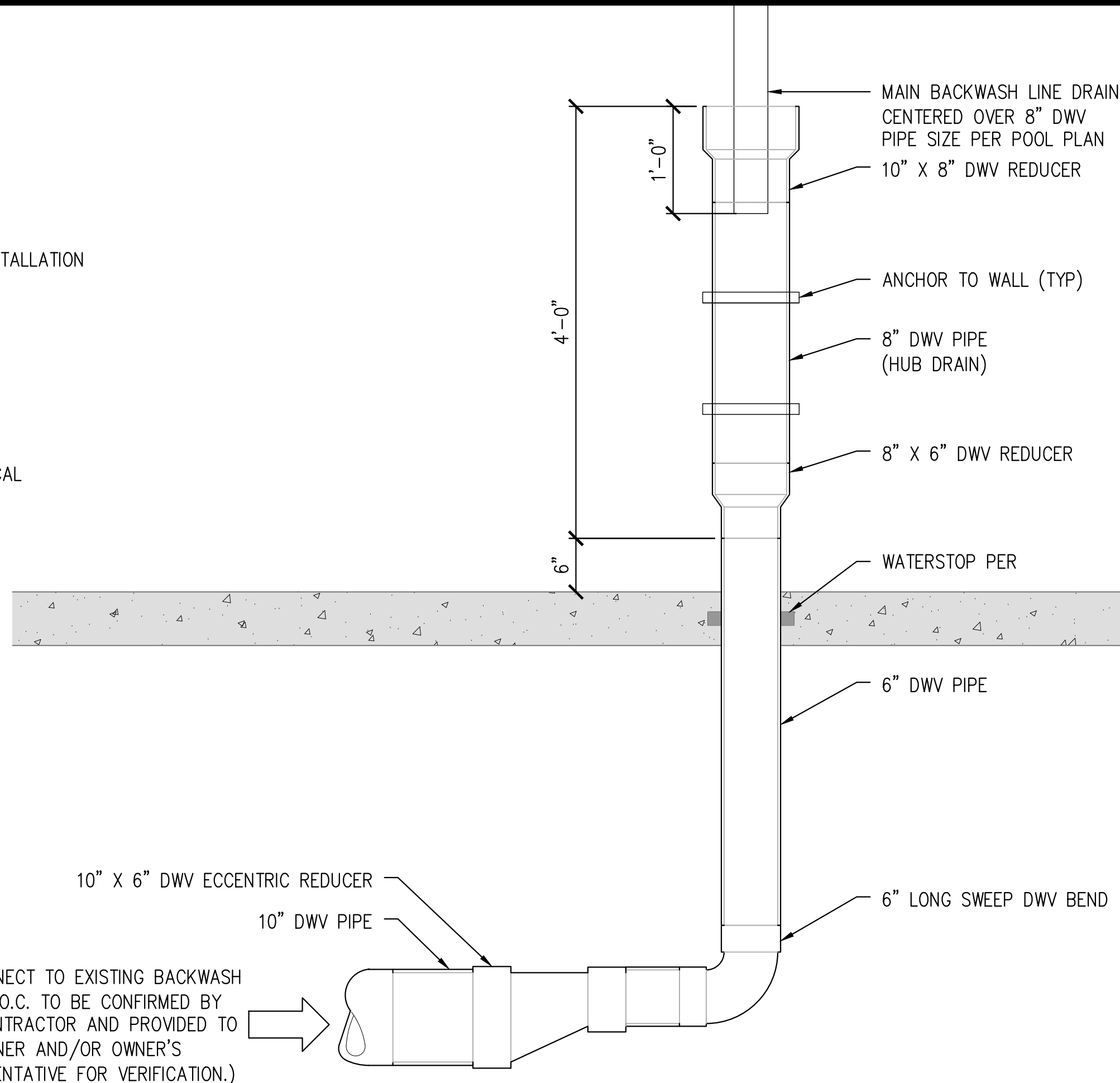


WATER LEVEL FILL NOTES:

1. A WATER LEVEL SENSOR IS LOCATED INSIDE WET WELL PER SHEET M2.1
2. THE WATER LEVEL CONTROLLER WILL OPEN A SOLENOID VALVE WHEN THE WATER LEVEL IS LOW.
3. THE WATER LEVEL CONTROLLER WILL CLOSE THE SOLENOID VALVE WHEN THE WATER LEVEL IS AT NORMAL WATER LEVEL.

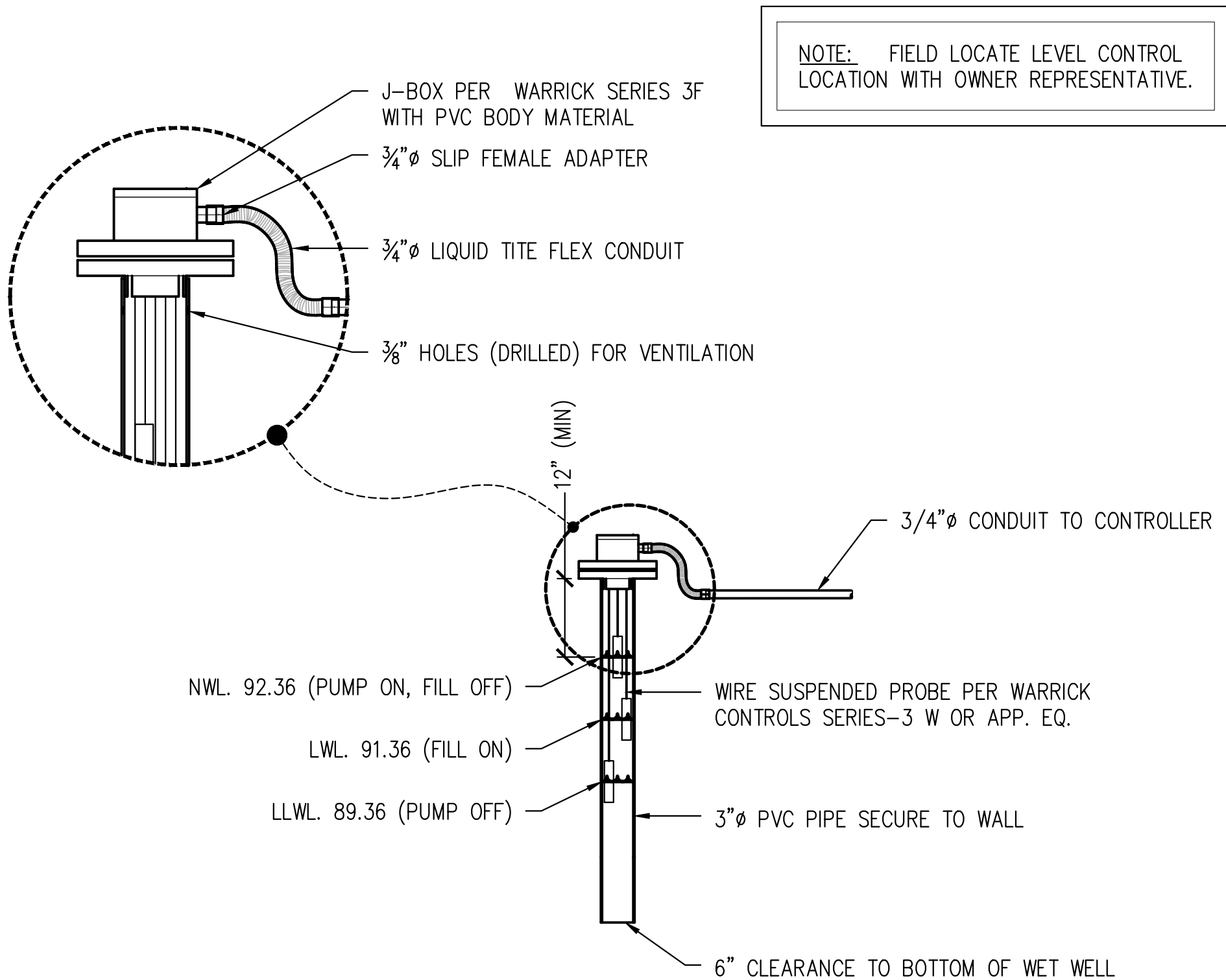
KEY NOTES:

- 1 2" DOMESTIC WATER LINE PER MEP PLANS.
- 2 2" LINE TO EYEWASH WITH UNDER CEILING INSTALLATION
- 3 3/4" HOSE BIB
- 4 2" SCH 80 PVC TEE
- 5 2" SCH 80 PVC 90° ELBOW
- 6 2" SCH 80 PVC BALL VALVE
- 7 2" SCH 80 PVC CHECK VALVE
- 8 2" SOLENOID VALVE TO CONNECT TO ELECTRICAL PANEL PER ELECTRICAL SHEETS
- 9 PIPE SUPPORT PER DETAIL D M4.3
- 10 8" PIPE TO FILTRATION SYSTEM
- 11 TO WET WELL AS INDECATED. PIPELINE TO TERMINATE ABOVE HIGH WATER LEVEL
- 12 115VAC POWER SUPPLY TO MAIN CONTROL PANEL.
- 13 24VAC TO WATER LEVEL SENSOR. SEE DETAIL F SHEET M4.1 FOR SENSOR DETAIL.
- 14 ELECTRONIC WATER LEVELER PER WARRICK. COMES WITH CONTROLLER, 1" SOLENOID VALVE, AND WATER LEVEL SENSOR.

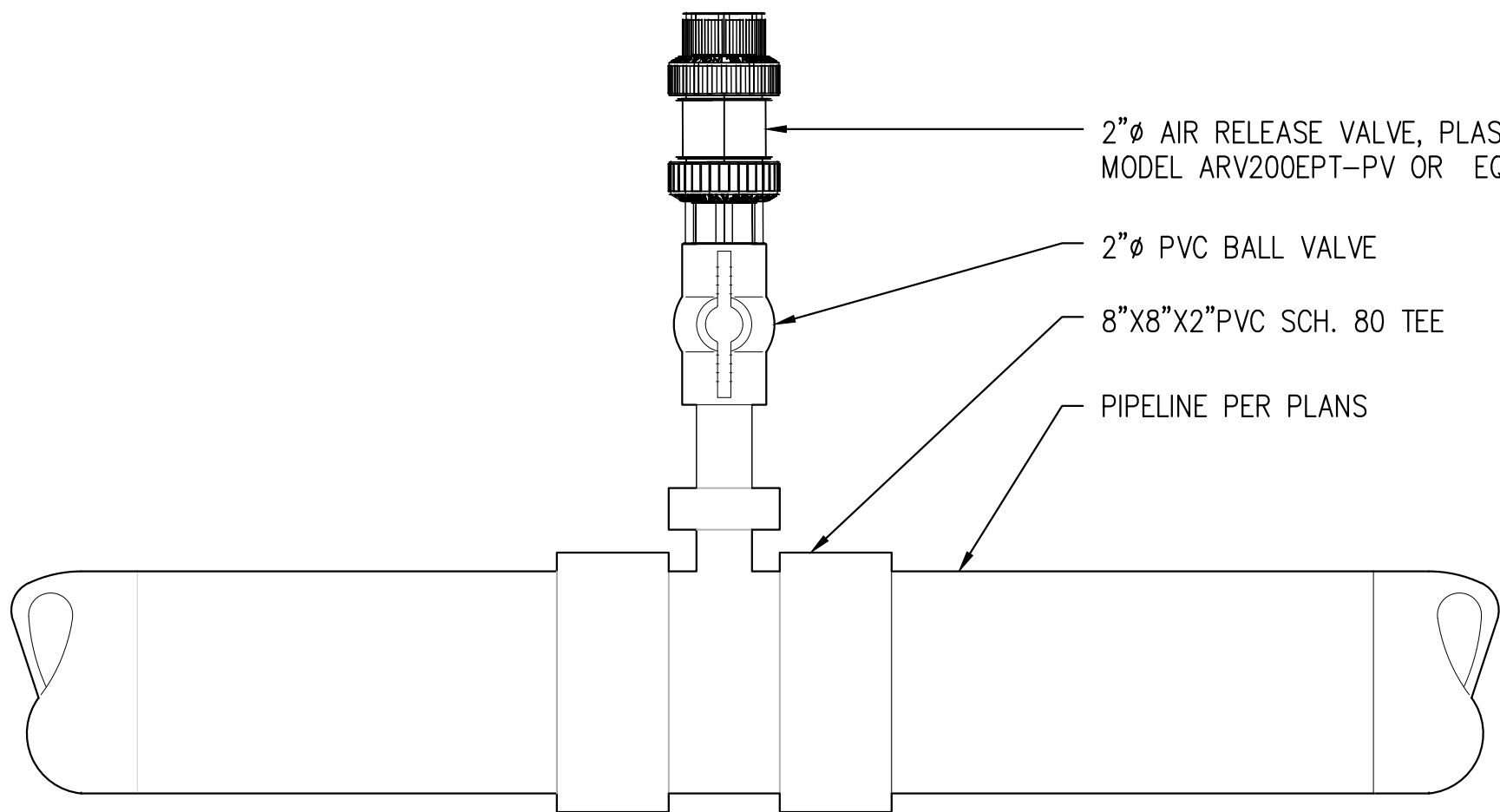


TO CONNECT TO EXISTING BACKWASH PIPE (P.O.C. TO BE CONFIRMED BY THE CONTRACTOR AND PROVIDED TO THE OWNER AND/OR OWNER'S REPRESENTATIVE FOR VERIFICATION.)

E FILL WITH SOLENOID VALVE
SCALE: 1"=1'-0"

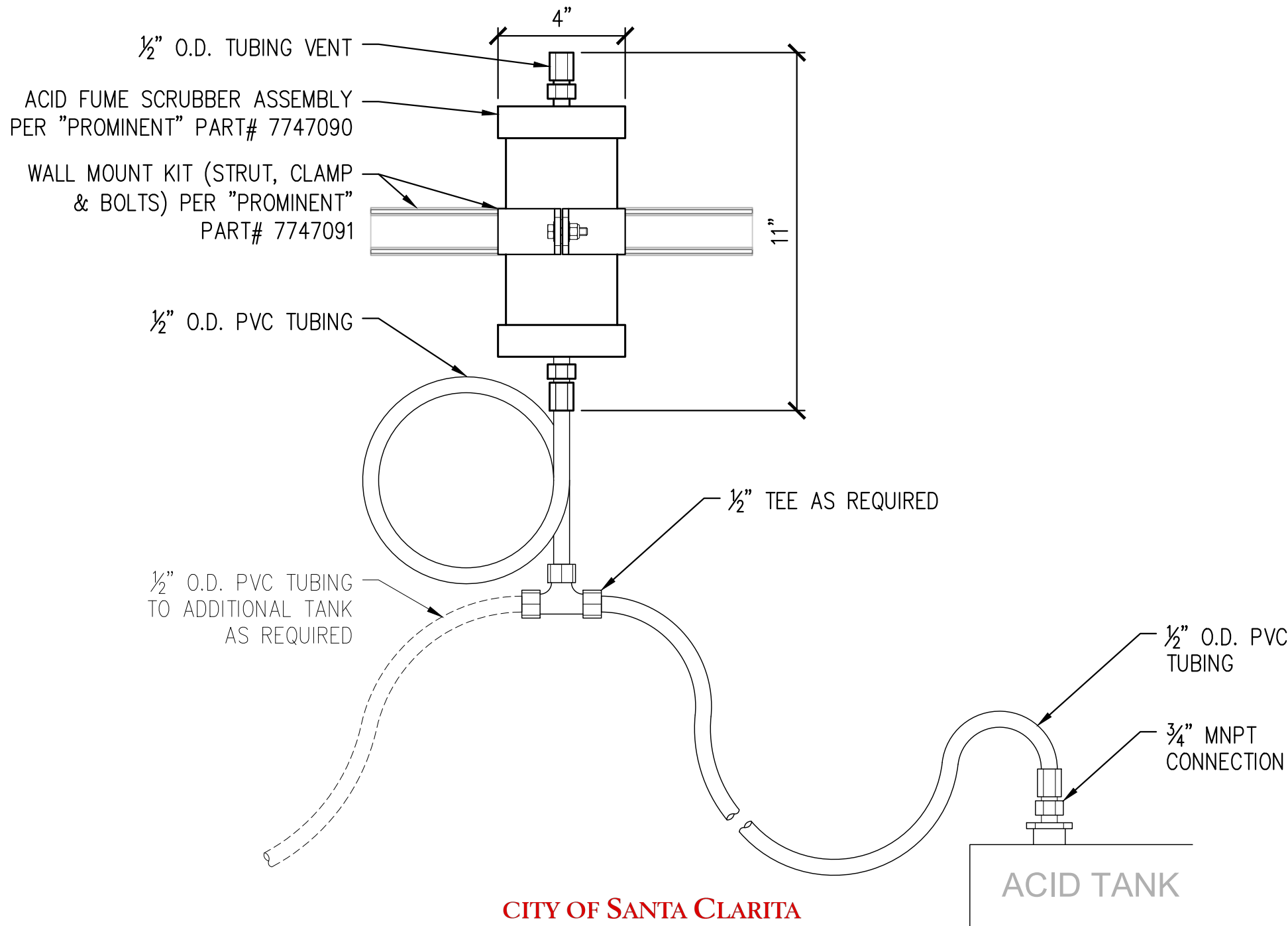


NOTE: FIELD LOCATE LEVEL CONTROL LOCATION WITH OWNER REPRESENTATIVE.



D AIR RELIEF VALVE DETAIL
SCALE: 2"=1'-0"

A STANDPIPE DETAIL
SCALE: 1"=1'-0"



CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

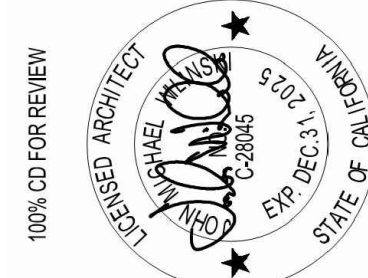
BLD25-00576 (ARCH)
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B CHEMICAL SCRUBBER DETAIL
SCALE: 1"=1'-0"

REVISION:	09/30/2025
DATE:	09/30/2025
BY:	09/30/2025
FOR:	09/30/2025

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE CITY'S PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY:	ZHIRANG SONG
PROJECT ENGINEER:	R.C.E. NO. -- # 69315
EXP.:	06/30/2026
DRAWN:	J.P.
DESIGNED:	J.P.
CHECKED:	Z.S.
DATE:	09/29/2025

PUMP ROOM DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

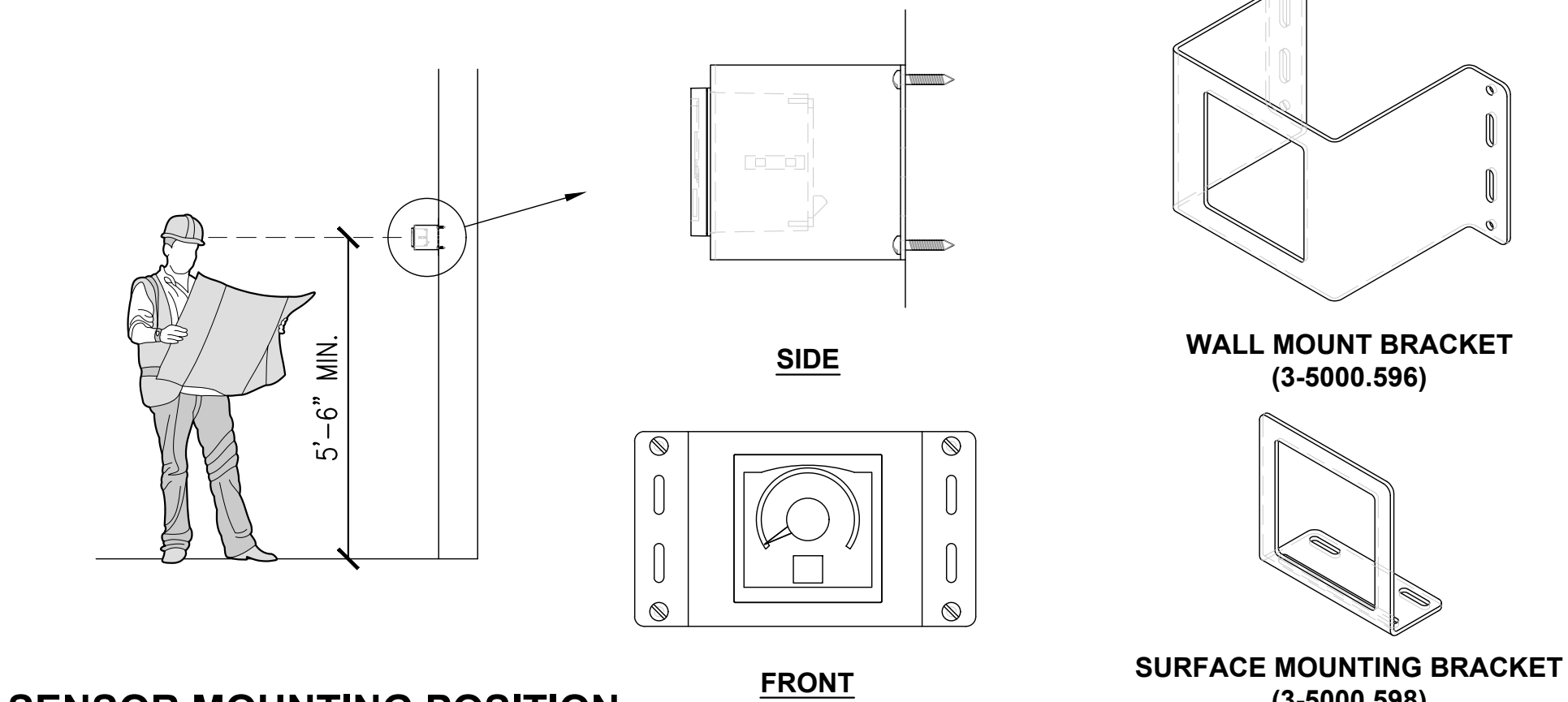
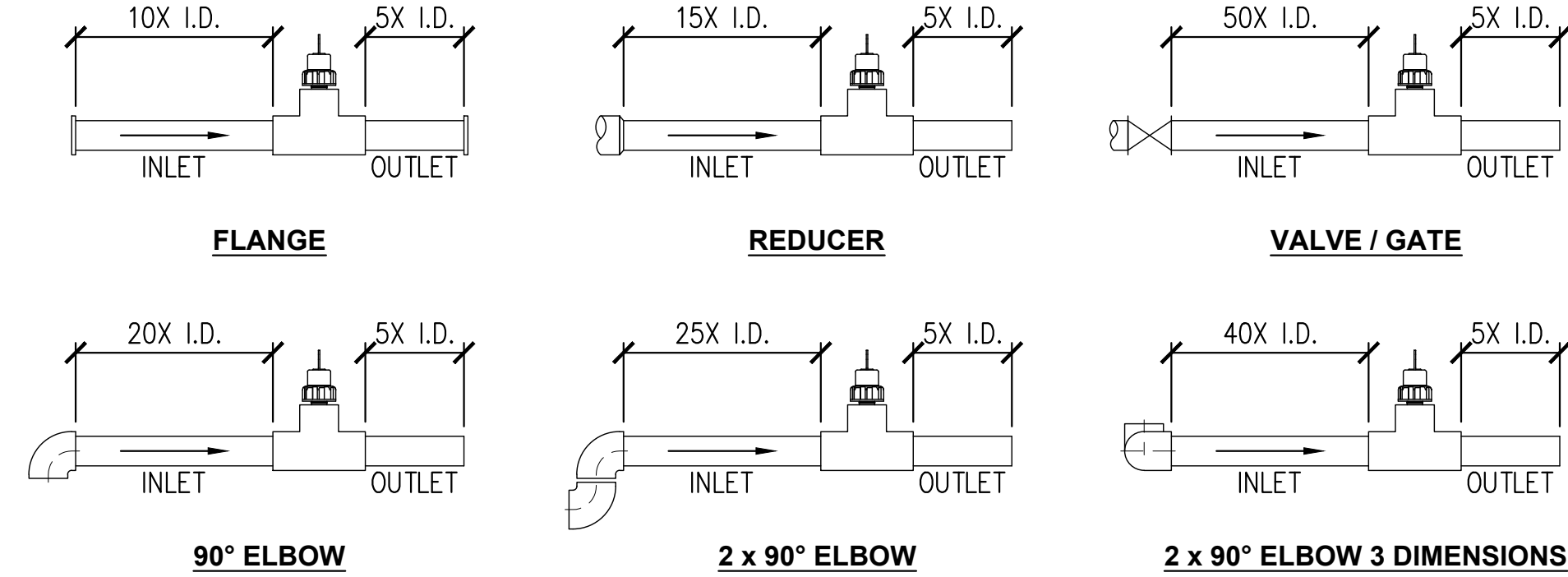
M4.1
37 OF 61 SHEETS
JOB NO. C258

INSTALLATION CONFIGURATION

SIX COMMON INSTALLATION CONFIGURATIONS ARE SHOWN HERE AS GUIDELINES TO HELP YOU SELECT THE BEST LOCATION IN THE PIPING SYSTEM FOR A PADDLEWHEEL FLOW SENSOR.

ALWAYS MAXIMIZE DISTANCE BETWEEN SENSORS AND PUMP SOURCES.

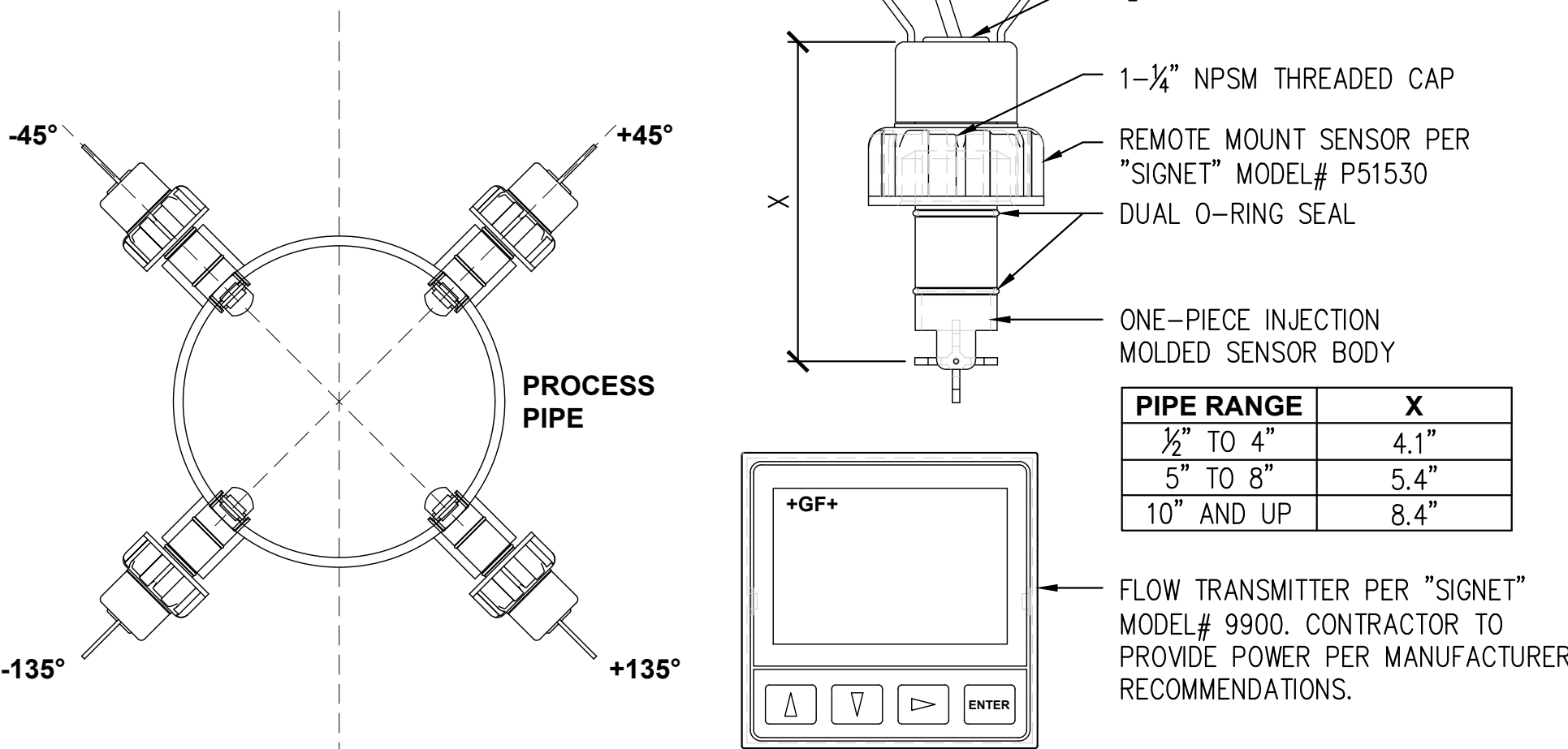
PIPE SIZE	FLANGE		REDUCER		VALVE/GATE		90° ELBOW		2 x 90° ELBOW		2 x 90° ELBOW 3D	
	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1/2"	5"	2 1/2"	7 1/2"	2 1/2"	2'-1"	2 1/2"	10"	2 1/2"	1'-0 1/2"	2 1/2"	1'-8"	2 1/2"
1"	10"	5"	1'-3"	5"	4'-2"	5"	1'-8"	5"	2'-1"	5"	3'-4"	5"
1 1/2"	1'-3"	7 1/2"	1'-10 1/2"	7 1/2"	6'-3"	7 1/2"	2'-6"	7 1/2"	3'-1 1/2"	7 1/2"	5'-0"	7 1/2"
2"	1'-8"	10"	2'-6"	10"	8'-4"	10"	3'-4"	10"	4'-2"	10"	6'-8"	10"
2 1/2"	2'-1"	1'-0 1/2"	3'-1 1/2"	1'-0 1/2"	10'-5"	1'-0 1/2"	4'-2"	1'-0 1/2"	5'-2 1/2"	1'-0 1/2"	8'-4"	1'-0 1/2"
3"	2'-6"	1'-3"	3'-9"	1'-3"	12'-6"	1'-3"	5'-0"	1'-3"	6'-3"	1'-3"	10'-0"	1'-3"
4"	3'-4"	1'-8"	5'-0"	1'-8"	16'-8"	1'-8"	6'-8"	1'-8"	8'-4"	1'-8"	13'-4"	1'-8"
6"	5'-0"	2'-6"	7'-6"	2'-6"	25'-0"	2'-6"	10'-0"	2'-6"	12'-6"	2'-6"	20'-0"	2'-6"
8"	6'-8"	3'-4"	10'-0"	3'-4"	33'-4"	3'-4"	13'-4"	3'-4"	16'-8"	3'-4"	26'-8"	3'-4"
10"	8'-4"	4'-2"	12'-6"	4'-2"	41'-8"	4'-2"	16'-8"	4'-2"	20'-10"	4'-2"	33'-4"	4'-2"
12"	10'-0"	5'-0"	15'-0"	5'-0"	50'-0"	5'-0"	20'-0"	5'-0"	25'-0"	5'-0"	40'-0"	5'-0"



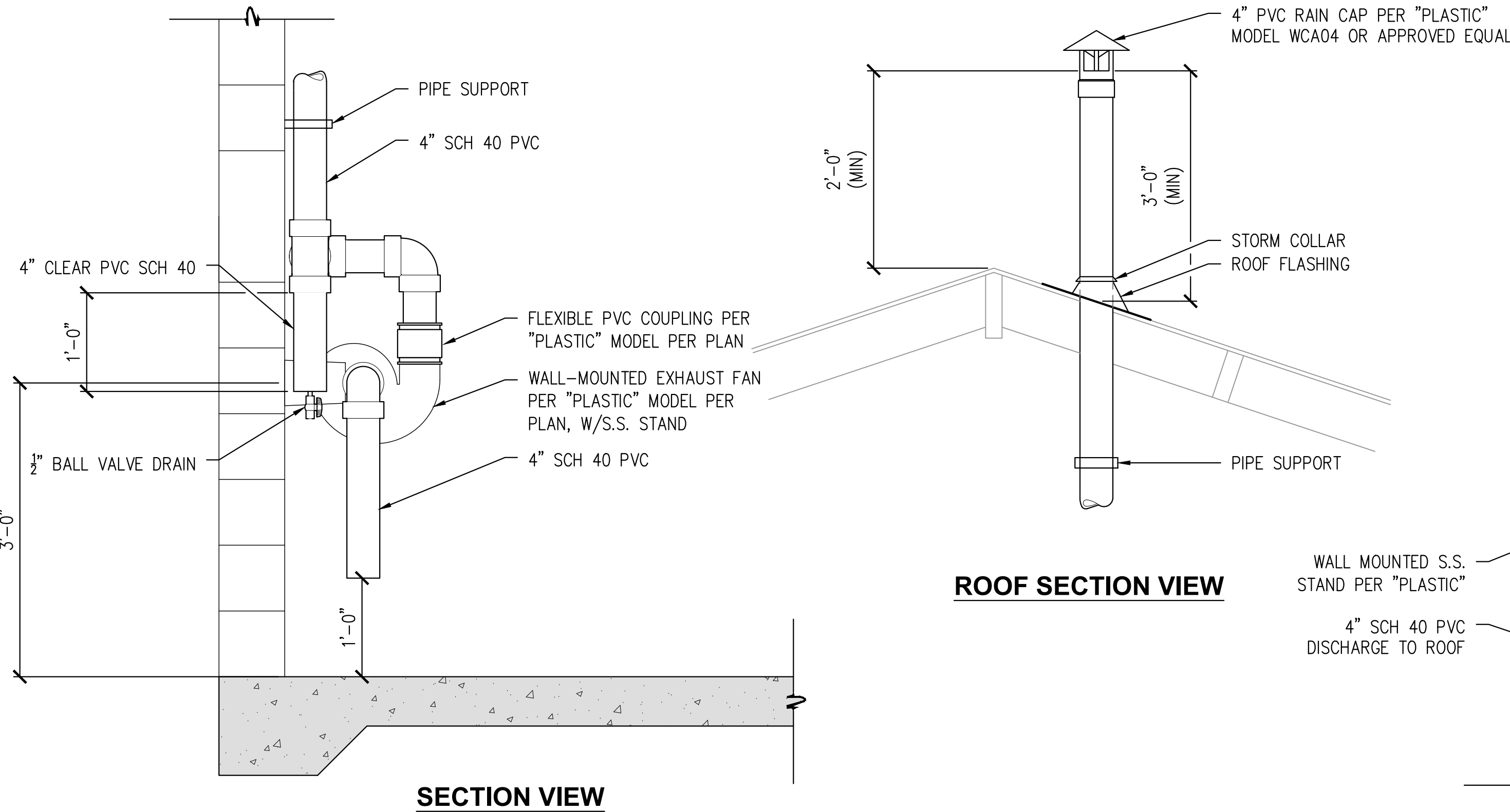
SENSOR MOUNTING POSITION

HORIZONTAL PIPE RUNS: MOUNT SENSOR AT A 45° ANGLE TO AVOID AIR BUBBLES (PIPE MUST BE FULL). DO NOT MOUNT THE SENSOR ON BOTTOM OF THE PIPE IF SEDIMENTATION IS LIKELY.

VERTICAL PIPE RUNS: MOUNT SENSOR IN ANY ORIENTATION. UPWARD FLOW IS PREFERRED TO ENSURE FULL PIPE.



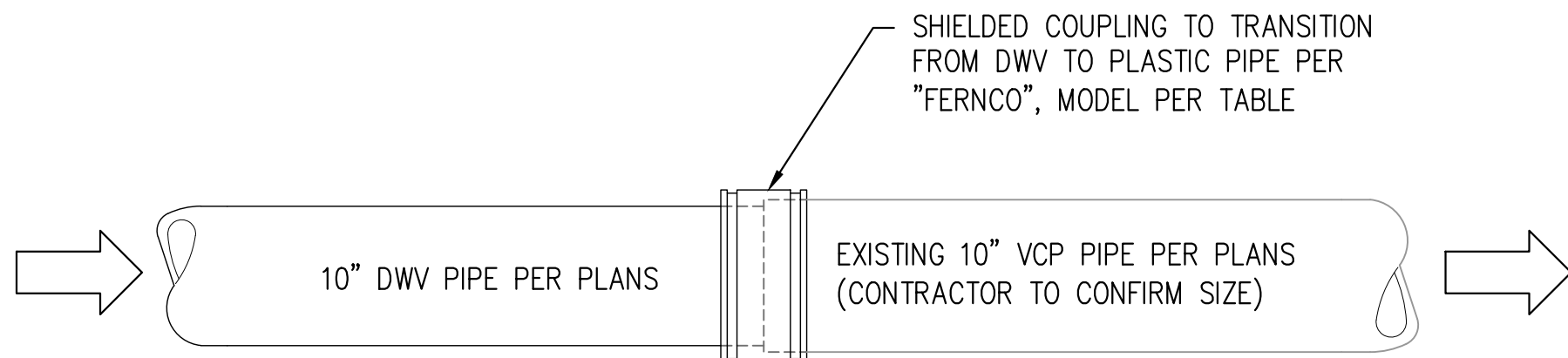
F FLOW SENSOR DETAIL
SCALE: NTS



C FAN INSTALLATION DETAIL
SCALE: 1"=1'-0"

REPAIR COUPLING TABLE	
SIZE	MODEL
10"X10"	1006-1010RC

NOTE:
1. SHIELDED COUPLING PER MANUFACTURER.
2. CONTRACTOR TO CONFIRM EXISTING VCP PIPE O.D. BEFORE PURCHASING COUPLING



D EXISTING VCP TO PROPOSED DWV PIPE CONNECTION DETAIL
SCALE: 1"=1'-0"

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)

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Advanced Water Engineering

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DESIGNED BY: F. Svendsen	09/30/2025
EXECUTED BY: F. Svendsen	09/30/2025
DESIGNED BY: F. Svendsen	09/30/2025
EXECUTED BY: F. Svendsen	09/30/2025

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY ENGINEER, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS, CODE SECTION 83A.6, FOR THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.

100% CD FOR REVIEW

100% CD FOR REVIEW

100% CD FOR REVIEW

PREPARED BY: ZIRANG SONG	PROJECT ENGINEER	SCALE	DATE
R.C.E. NO. -- # 69315	EXP. 06/30/2026	J/P	03/2025
DESIGNED BY: J/P	CHECKED BY: J/P	DATE	03/2025

TITLE

PUMP ROOM DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

SANTA CLARITA

CA

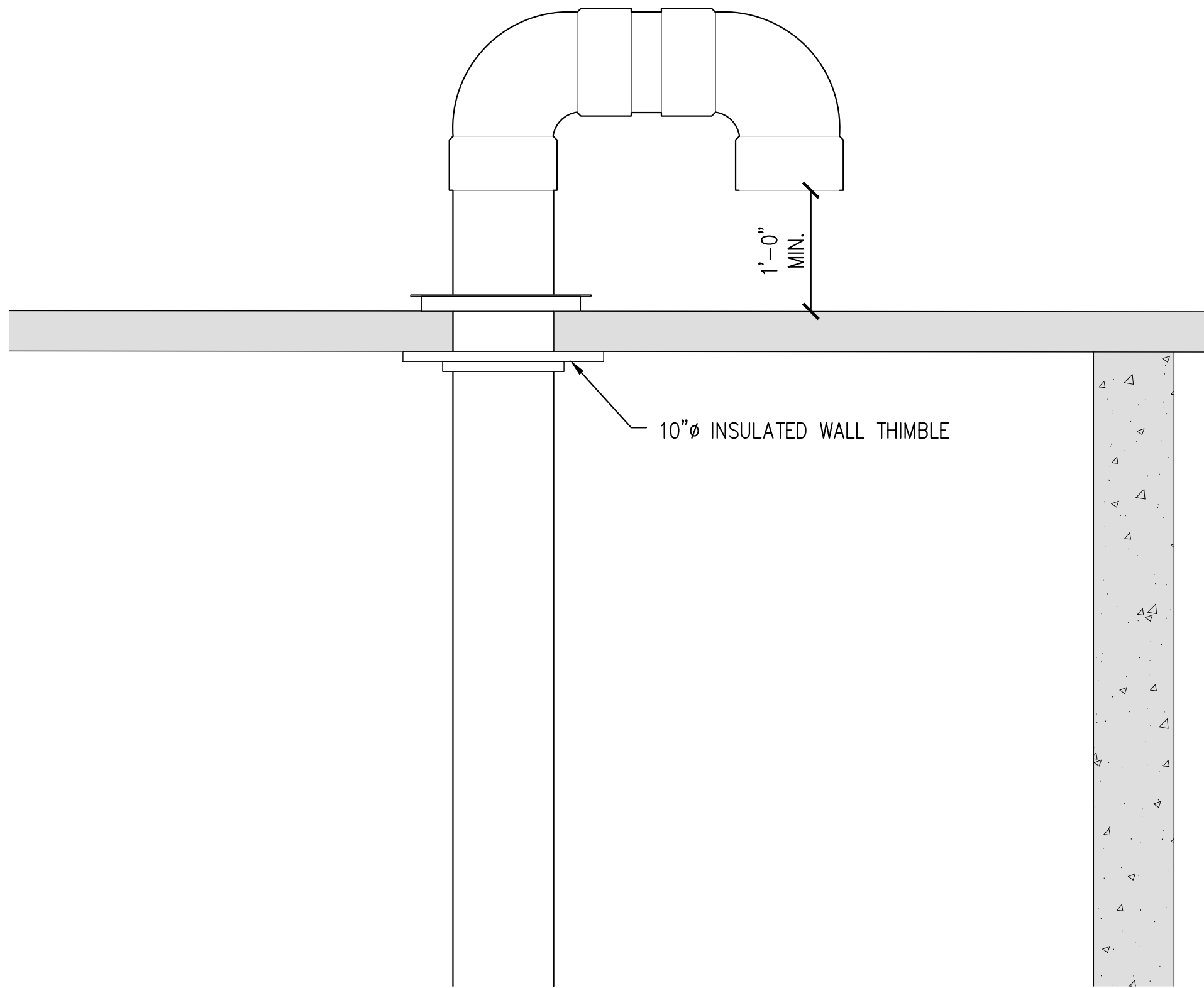
C258

SHEET

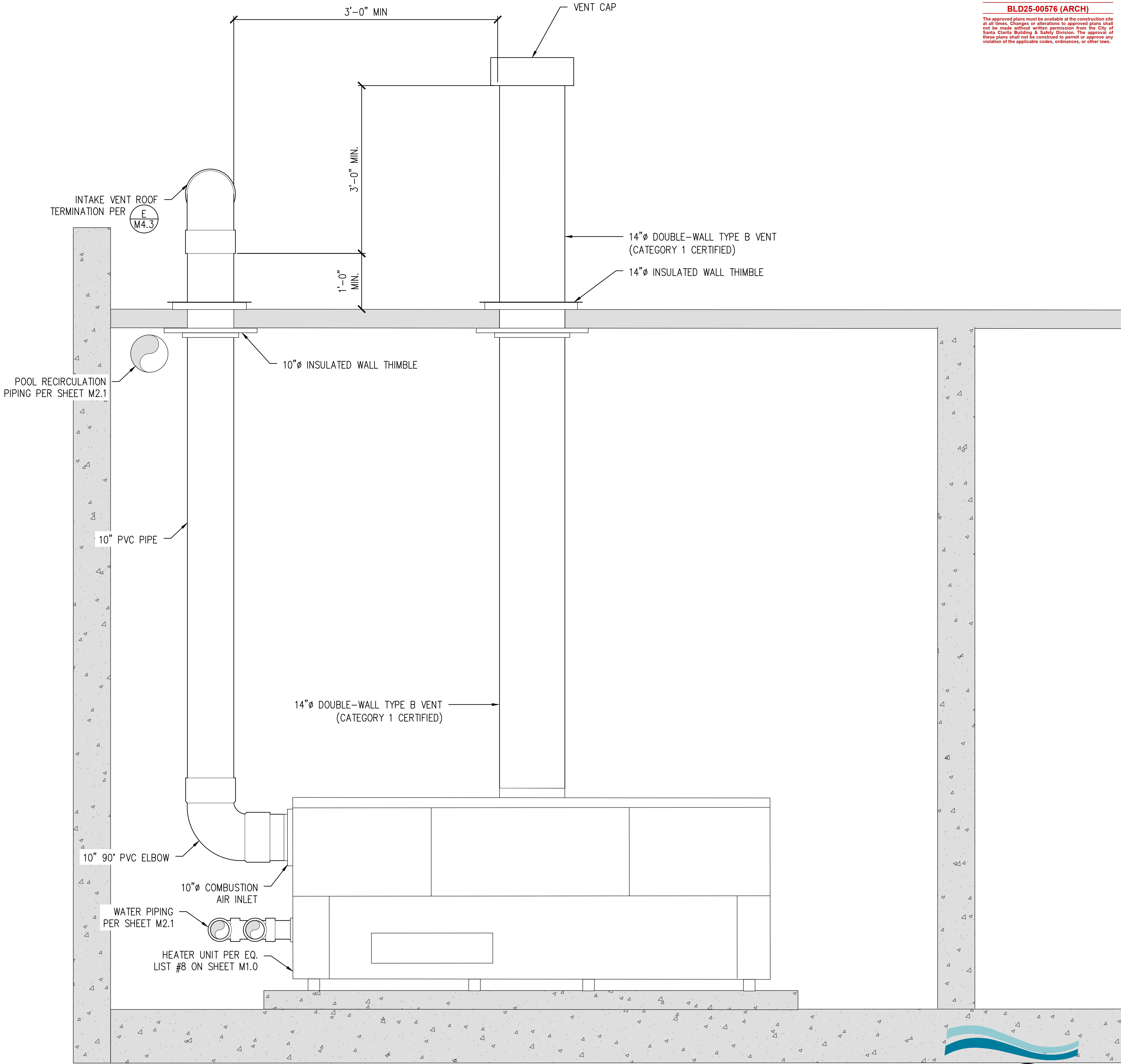
M4.2

38 OF 61 SHEETS

JOB NO. C258



E CUMBUSTION AIR DUCT PENETRATION DETAIL
SCALE: 1"=1'-0"



D HEATER VENTING DETAIL
SCALE: 1"=1'-0"

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
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18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

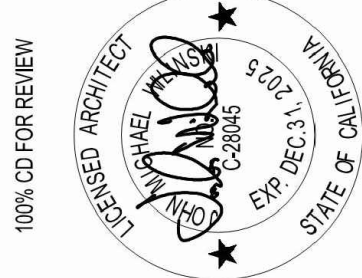


BLD25-00576 (ARCH)

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DESIGNED BY: F. Svendsen	09/30/2025
EXECUTED BY: F. Svendsen	09/30/2025
DESIGNED BY: F. Svendsen	09/30/2025
EXECUTED BY: F. Svendsen	09/30/2025

IN ACCORDANCE WITH RESOLUTION NO. 18-16, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, I, THE CITY ENGINEER, DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.

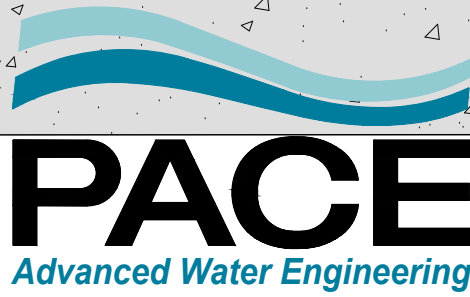


PREPARED BY: ZHIRANG SONG	PROJECT ENGINEER	SCALE	DATE
R.C.E. NO. -- # 69315	EXP. 06/30/2026	J/P	09/29/25
DRAWN	DESIGNED	CHECKED	
J/P	J/P	Z/S	

TITLE
PUMP ROOM DETAILS

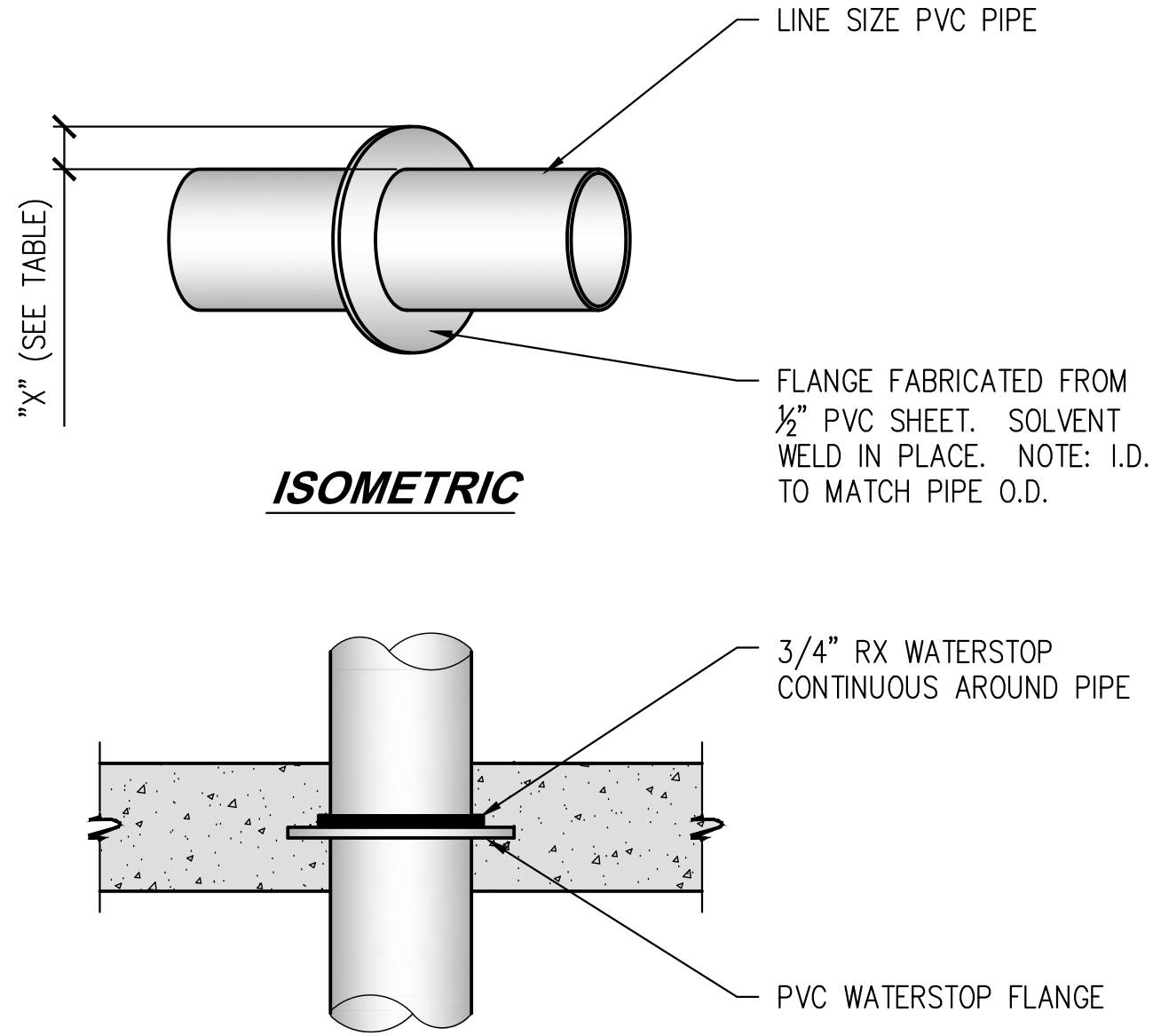
NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

SHEET
M4.3
39 OF 61 SHEETS
JOB NO. C258

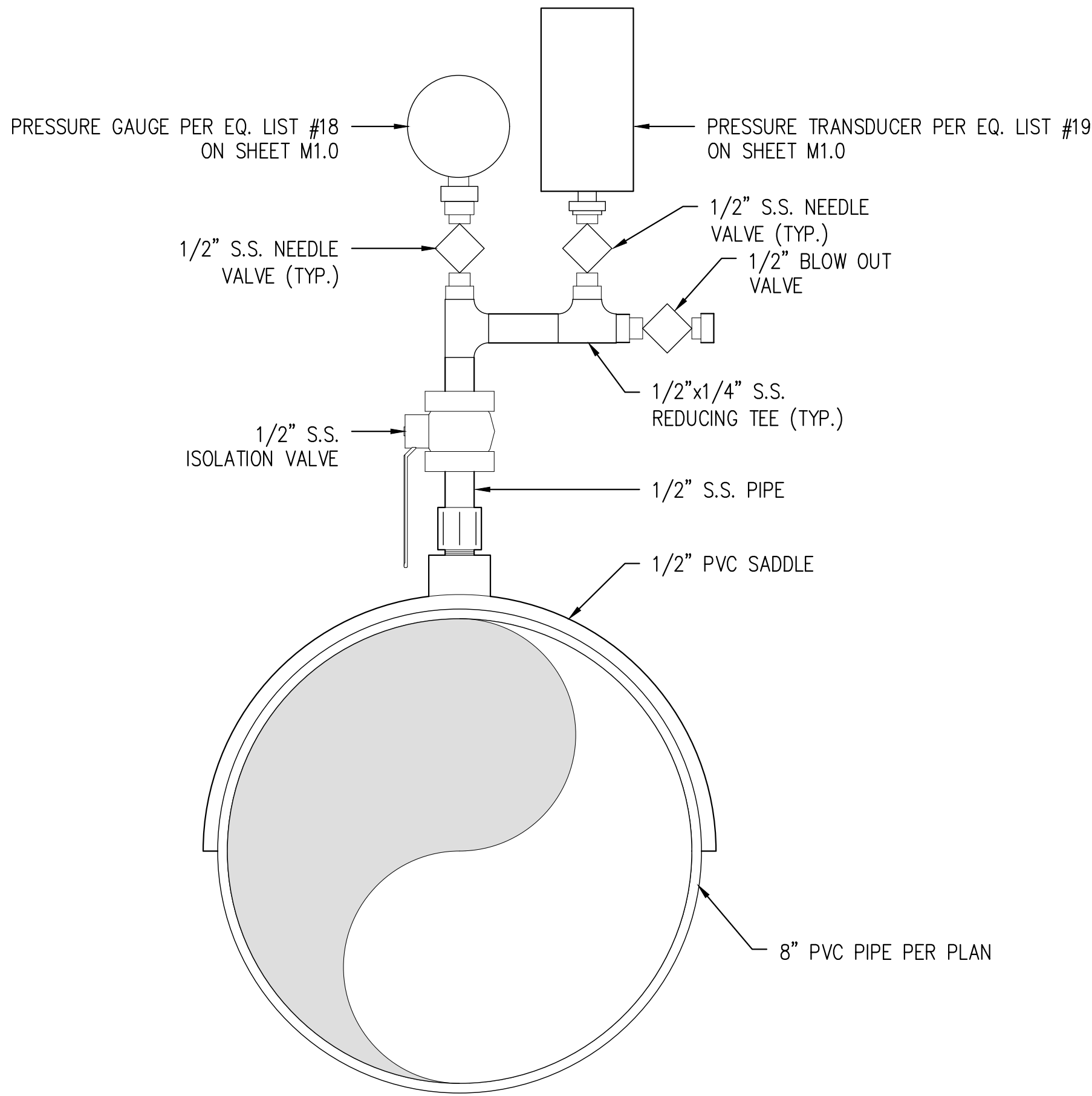


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PIPE SIZE	"X"
6" Ø ABOVE	3"
3" TO 5"	2"
BELOW 3"	1.5"

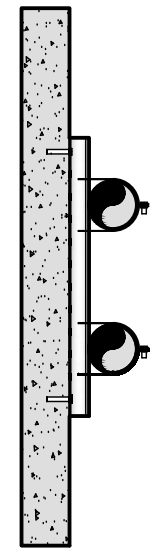
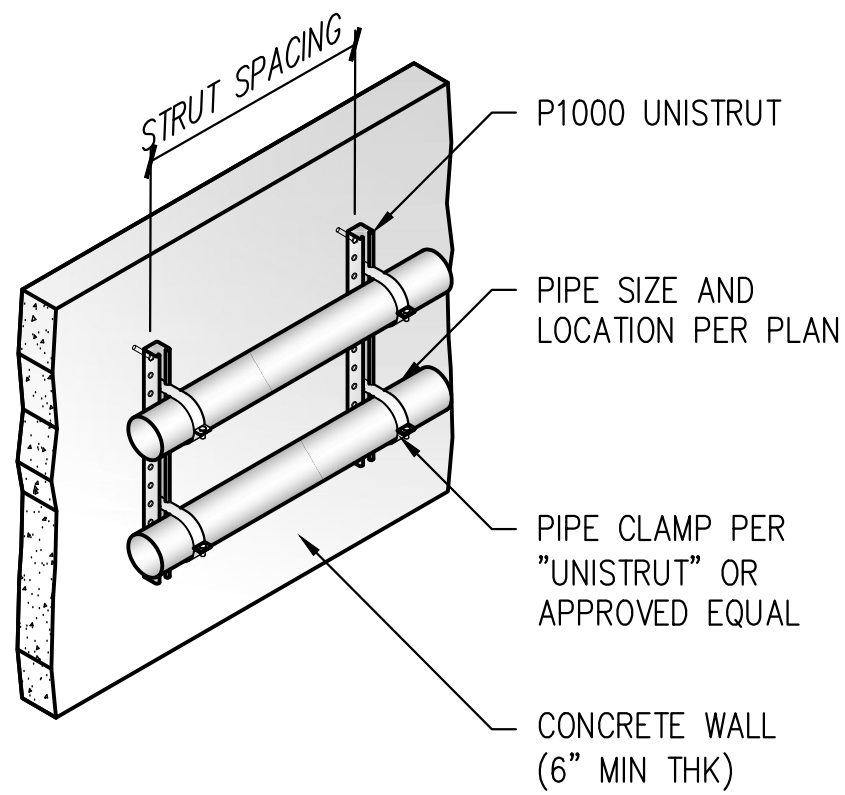


E **PVC WATERSTOP FLANGE**
SCALE: NTS

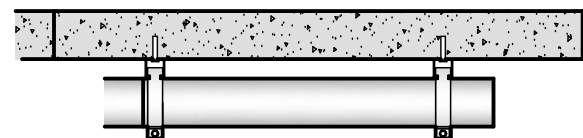


F **PRESSURE GUAGE AND TRANSDUCER DETAIL**
SCALE: 1"=1'-0"

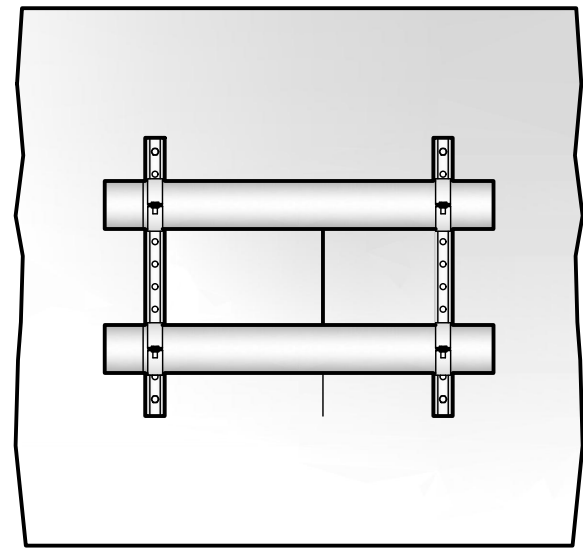
PVC PIPE SIZE	MAX. HANGING LOAD RATING (LBS)	STRUT SPACING	"HILTI" KWIKBOLT MODEL #	DIAMETER AND EMBED
3/8" TO 1 1/2"	400	4'-0"	KB-TZ (SS)	3/8"Ø, 2"
3/4" TO 1 1/4"	600	4'-5"	KB-TZ (SS)	3/8"Ø, 2"
1 1/2" TO 3"	800	5'-3/4"	KB-TZ (SS)	1/2"Ø, 2"
3 1/2" TO 5"	1000	8'-1/4"	KB-TZ (SS)	1/2"Ø, 3 1/4"
6" TO 12"	1000	10'-0"	KB-TZ (SS)	1/2"Ø, 3 1/4"



SIDE



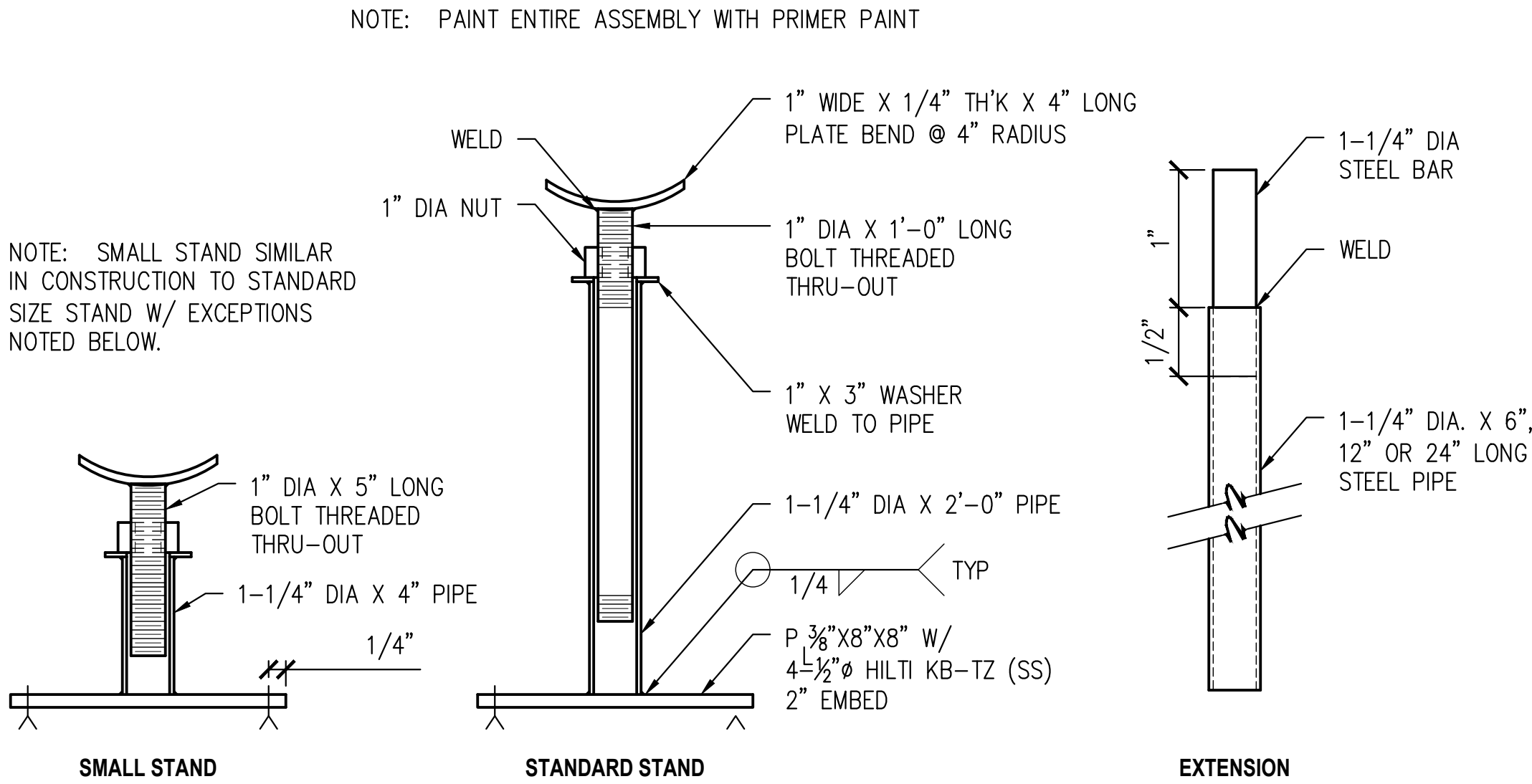
TOP



FRONT

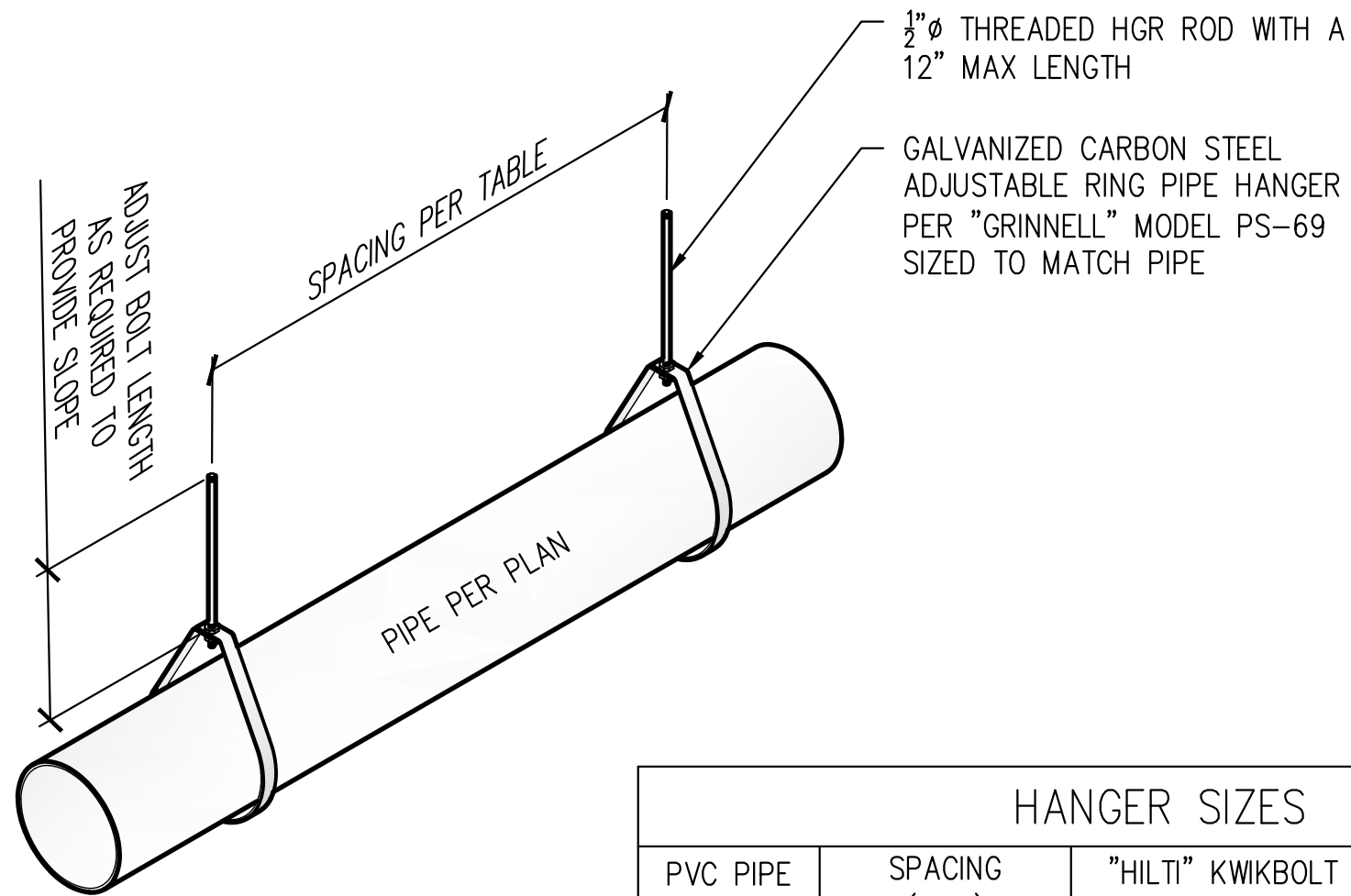
PIPE SUPPORT AT WALL

D **PIPE SUPPORT**
SCALE: NTS



REV. 07/03/02

PIPE STAND 10" OR SMALLER



HANGER SIZES			
PVC PIPE SIZE	SPACING (MAX)	"HILTI" KWIKBOLT MODEL #	DIAMETER AND EMBED
1/2"to 2"	2'-6"	kb-tz2 (ss)	3/8"Ø, 2"
2"	4'-6"	kb-tz2 (ss)	1/2"Ø, 2"
3"	5'-0"	kb-tz2 (ss)	1/2"Ø, 2"
4"	6'-0"	kb-tz2 (ss)	1/2"Ø, 3 1/4"
6"	6'-6"	kb-tz2 (ss)	1/2"Ø, 3 1/4"
8"	7'-6"	kb-tz2 (ss)	1/2"Ø, 3 1/4"

NOTE: ATTACH EXPANSION ANCHORS INTO A CONCRETE SLAB WITH A 6" MINIMUM THICKNESS OR INTO A 3 1/4" CONCRETE OVER A 3" METAL DECK.

PIPE HANGER



BLD25-00576 (ARCH)

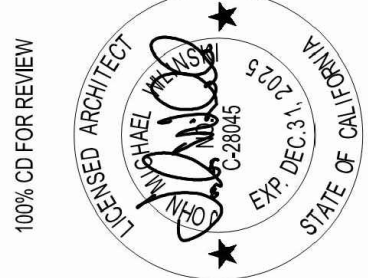
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P: (714) 481-7300 | www.pacewater.com

DESIGNED BY: Luis Hernandez	09/30/2025
EXECUTED BY: PJM-DESIGN	EXECUTION DATE
DESIGNED BY: Luis Hernandez	09/30/2025
EXECUTED BY: PJM-CONSTRUCTION	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY ENGINEER, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AN IMPROVEMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: ZHIRANG SONG	PROJECT ENGINEER	SCALE	DATE
R.C.E. NO. -- # 69315	EXP. 06/30/2026	J/P	09/29/25
DRAWN	DESIGNED	CHECKED	
		Z/S	

PUMP ROOM DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

SANTA CLARITA

CA

SHEET
M4.4
40 OF 61 SHEETS

JOB NO. C258

ELECTRICAL GENERAL NOTES:

1. ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (2020 NEC) AS AMENDED BY THE CALIFORNIA ELECTRICAL CODE (2022 CEC), CALIFORNIA ENERGY CODE TITLE 24 (2022 CEnC), CALIFORNIA BUILDING CODE (2022 CBC) AND THE CITY OF SANTA CLARITA MUNICIPAL CODE.

2. ALL WORK SHALL BE DONE IN A NEAT, WORKMANLIKE, FINISHED AND SAFE MANNER, ACCORDING TO THE LATEST PUBLISHED NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS OF INSTALLATION, UNDER COMPETENT SUPERVISION.

3. CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND ALL OTHER FACTORS WHICH MAY AFFECT THE EXECUTION OF THIS WORK.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING WALKS, PARKING SPOTS, WALLS, DRIVEWAYS, CURBS, LANDSCAPE, TREES, IRRIGATION, ETC. DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.

5. CONTRACTOR SHALL PAY FOR LOCAL FEES, PERMITS AND INSPECTIONS AS MAY BE REQUIRED AND PROVIDE A CERTIFICATE OF INSPECTION TO THE CITY.

6. LEAVE THE SITE CLEAN, REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAPS AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION.

7. IT IS THE OBLIGATION OF THE CONTRACTOR TO ORGANIZE HIS WORK SO THAT A COMPLETE ELECTRICAL, INSTRUMENTATION, AND CONTROL SYSTEM FOR THE FACILITY WILL BE PROVIDED AND SUPPORTED BY ACCURATE SHOP AND RECORD DRAWINGS, AND ALL O & M MANUALS.

8. ALL CABLES SHALL BE NEW, COPPER, RATED FOR 600V AND LISTED FOR ITS LOCATION WITH A MINIMUM TEMPERATURE RATING OF 90 DEG. C.; POWER CABLES SHALL BE TYPE XHHW-2 UNLESS NOTED OTHERWISE.

9. MINIMUM SIZE CONDUIT ABOVE GROUND SHALL BE 3/4". MINIMUM SIZE CONDUIT BELOW GROUND SHALL BE 1" UNLESS NOTED OTHERWISE. ALL CONDUITS FOR POWER AND LIGHTING SHALL CONTAIN A PROPERLY SIZED GROUNDING CONDUCTOR.

10. MINIMUM SIZE POWER CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.

11. ALL WIRE TERMINATIONS SHALL HAVE A MINIMUM TEMPERATURE RATING OF 75 DEG C, AS SUCH, WIRE AMPACITIES ARE CALCULATED ON 75 DEG C RATINGS.

12. CONDUIT SIZE SHALL BE AS SPECIFIED IN THE PLANS OR DETAILS. UNDERGROUND CONDUIT SHALL BE PVC COATED GRS, ENCASED IN CONCRETE, MINIMUM 24" BELOW GROUND. ABOVE-GROUND CONDUIT SHALL BE PVC COATED GALVANIZED RIGID STEEL (RMC).

13. GROUND AND BOND ALL EQUIPMENT AND ENCLOSURES PER NEC ARTICLE 250 AND MANUFACTURER REQUIREMENTS.

14. CONTRACTOR SHALL PLAN AND INSTALL WORK IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.

15. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, ETC. NECESSARY FOR A COMPLETE AND WORKABLE ELECTRICAL SYSTEM WHETHER OR NOT THESE ITEMS ARE SPECIFICALLY NOTED ON THESE DRAWINGS. INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS, NOR MENTIONED IN SPECIFICATIONS THAT CAN BE LEGITIMATELY AND REASONABLY INFERRED TO BELONG TO THE WORK DESCRIBED OR BE NECESSARY IN GOOD PRACTICE TO PROVIDE A COMPLETE SYSTEM, SHALL BE FURNISHED AND INSTALLED AS THOUGH ITEMIZED HERE IN EVERY DETAIL.

16. ALL TRENCHING, CONDUITS, ETC. SHALL BE ROUTED AND INSTALLED IN SUCH A MANNER THAT WILL NOT DAMAGE EXISTING FACILITIES OR UNDERGROUND UTILITIES. SHOULD DAMAGE OCCUR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR DAMAGE TO THE SATISFACTION OF THE OWNER OR INSPECTOR.

17. ALL CONDUIT RUNS SHOWN ON THIS PLAN ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL MAKE SURE THAT ALL CONDUIT INSTALLATIONS MEETS LOCAL AND STATE CODES.

18. WHEN CROSSING PATHWAYS OR SIDEWALKS, CONTRACTOR SHALL BORE UNDER EXISTING CONCRETE WALKS AND SAWCUT ASPHALT WALKS. ASPHALT WALKS AND CONCRETE SIDEWALKS TO BE REPLACED IN KIND.

19. CONTRACTOR SHALL GUARANTEE WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS, USUAL WEAR EXPECTED, AND SHOULD ANY SUCH DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR ACCEPTANCE OF THE PROJECT BY THE OWNER, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS AND DAMAGE RESULTING FROM FAILURE OF THESE ITEMS, AT NO EXPENSE WHATSOEVER TO THE CITY.

20. ALL CIRCUITS SHALL BE LEGIBLY IDENTIFIED AT THE PANEL, JUNCTION BOXES AND AT ALL EQUIPMENT IN A PERMANENT MANNER (I.E. ETCHED PLATES, CONDUCTOR TAG, PERMANENT MARKER, ETC.). THE LABELING SHALL INCLUDE PANEL CIRCUIT NUMBER, "TO" AND "FROM" IDENTIFICATION, AND MARKED "SPARE" WHERE APPLICABLE.

21. CONTRACTOR SHALL TEST ELECTRICAL SYSTEM FOR SHORT CIRCUITS AND MEGGER TEST FEEDERS AND BRANCH CIRCUIT WIRING. INSURE LOW IMPEDANCE GROUND PATH SYSTEM. PERFORM HIPOT TESTING WHEN REQUIRED BY LOCAL JURISDICTION.

22. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT CONNECTIONS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL FUSED DISCONNECT SWITCHES AND CONTROLS IF OVERCURRENT PROTECTION OR CONTROLS IS NOT INTEGRAL WITH UNITS.

23. FULL LOAD AMPS (FLA) SIZES, AS NOTED IN THESE DRAWINGS, ARE BASED ON SPECIFIED EQUIPMENT DATA. CONTRACTOR SHALL VERIFY NAMEPLATE FLA OF EQUIPMENT SUPPLIED AND COORDINATE ACCORDINGLY PER EQUIPMENT SUPPLIERS RECOMMENDATIONS AND CODE REQUIREMENTS.

24. CONDUITS OR RACEWAYS INSTALLED IN AREAS WHERE ELEVATION CHANGES MAY CAUSE WATER OR MOISTURE TO ENTER THE ELECTRICAL EQUIPMENT THROUGH THE CONDUIT SHALL BE SEALED WITH A HERMETIC CONDUIT SEAL AT BOTH ENDS OF THE CONDUIT OR RACEWAY.

25. MATERIALS SHALL BE NEW AND OF THE BEST QUALITY WITH MANUFACTURER'S NAME PRINTED THEREON. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, UNDERWRITER'S LABORATORY OR OTHER APPLICABLE STANDARDS AND RATED FOR HEAVY DUTY SERVICE.

26. SELECTION OF MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE DRAWINGS AND/OR SPECIFICATIONS.

27. THE SUBMITTALS SHALL BE NEATLY GROUPED AND ORGANIZED. PERTINENT INFORMATION SHALL BE HIGHLIGHTED, AND THE SPECIFIC PRODUCT SHALL BE IDENTIFIED. ALL SUBMITTALS SHALL BE COMPLETE, AND PRESENTED IN ONE PACKAGE. THE SUBMITTAL SHALL INCLUDE A COMPLETE LIST OF THE EQUIPMENT AND MATERIALS, INCLUDING THE MANUFACTURER'S NAME, PRODUCT SPECIFICATION, DESCRIPTIVE DATA, TECHNICAL LITERATURE, PERFORMANCE CHARTS, CATALOG CUTS, INSTALLATION INSTRUCTION, AND SPARE PART RECOMMENDATIONS FOR EACH DIFFERENT ITEM OF THE EQUIPMENT SPECIFIED.

28. VERIFY ALL CONDUIT FILL RATIOS, BOX FILLS, AND CONDUIT BENDS (MAX 360 DEGREES) ARE MET PER NEC REQUIREMENTS. INSTALL PULL BOXES AND DE-RATE CABLE AMPACITY AS NECESSARY.

29. CONTRACTOR TO READ ALL THE DRAWINGS IN THIS SET TO BECOME FAMILIARIZED WITH THE FULL ELECTRICAL SCOPE, INCLUDING BUT NOT LIMITED TO THE MECHANICAL AND CIVIL DRAWINGS.

30. THESE DRAWINGS AND THE PROJECT SPECIFICATIONS ARE COMPLEMENTARY. WHERE OVERLAP, THE MORE STRINGENT REQUIREMENT WILL TAKE PRECEDENCE.

31. CONTRACTOR SHALL VERIFY ALL CIRCUITS CONTAIN LESS THAN 5% VOLTAGE DROP. CONTRACTOR SHALL PROVIDE SHORT CIRCUIT ANALYSIS AND ARC FLASH STUDY, AS REQUIRED.

32. CONTRACTOR SHALL COORDINATE AND PERFORM WORK TO THE STANDARDS OF ALL APPLICABLE UTILITY COMPANIES, INCLUDING BUT NOT LIMITED TO UNDERGROUND ELECTRICAL LINES, GAS LINES AND WATER LINES. WHEN AN ISSUE OR DISCREPANCY ARISES, NOTIFY THE CUSTOMER AND ENGINEER IMMEDIATELY.

33. CONTRACTOR SHALL NOTIFY THE ENGINEER AND CUSTOMER WITH ANY DISCREPANCIES FOUND DURING INSTALLATION OR REVIEW.

34. EQUIPMENT AND WIRING METHODS IN THE CHEMICAL ROOMS SHALL BE RATED FOR CORROSIVE ENVIRONMENTS. ENCLOSURES INSIDE THESE ROOMS SHALL BE NEMA 4X UNLESS NOTED OTHERWISE. EQUIPMENT INSIDE THE PUMP ROOM SHALL BE NEMA 12, OUTDOOR EQUIPMENT SHALL BE NEMA 3R UNLESS NOTED OTHERWISE.

35. CONTRACTOR TO PROVIDE REQUIREMENTS FOR NFPA 70E, AS REQUIRED.

38. ALL 120V RECEPTACLES SHALL BE GFCI PROTECTED, EITHER WITH A GFCI RECEPTACLE OR THROUGH A GFCI CIRCUIT BREAKER.

39. ELECTRICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, ELECTRICAL SERVICE EQUIPMENT, MCC AND DISTRIBUTION TRANSFORMERS – PANELBOARDS SHALL BE SEISMIC-CERTIFIED AND ANCHORED ACCORDING TO EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. [CEC 110.3(B), 110.13(A), CBC 1613.1, 1705.12.6 ASCE 7-16, CHAPTER 13].

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen



BLD25-00576 (ARCH)
The approved plans must be available at the construction site at all times. Changes or alterations to approved plans shall not be made without written permission from the City of Santa Clarita Building & Safety Division. The approval of these plans shall not be construed to permit or approve any violation of the applicable codes, ordinances, or other laws.



17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
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GENERAL NOTES

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

E0.0
41 OF 60 SHEETS

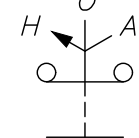
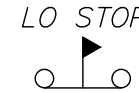
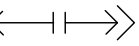
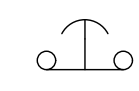
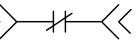
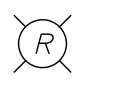
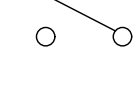
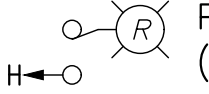
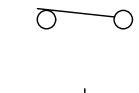
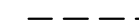
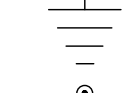
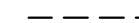
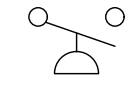
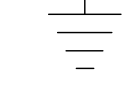
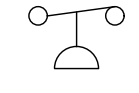
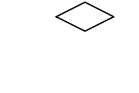
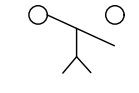
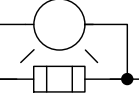
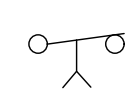
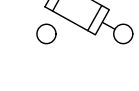
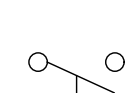
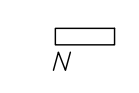
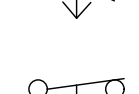
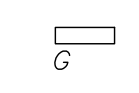
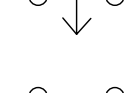
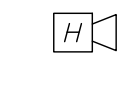
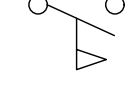
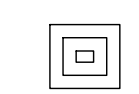
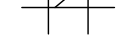
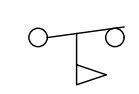
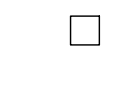
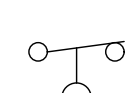
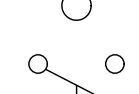
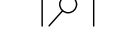
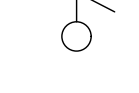
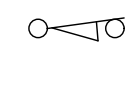
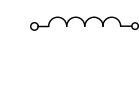
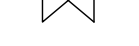
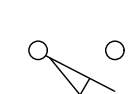
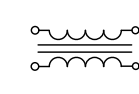
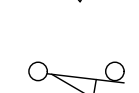
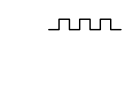
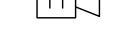
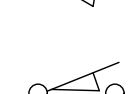
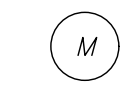
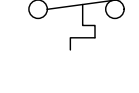
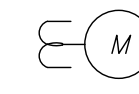
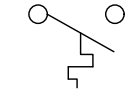
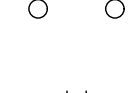
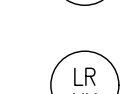
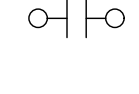
JOB NO. C258



PREPARED BY ZIRANG SONG	PROJECT ENGINEER R.C.E. NO. -- # 69315	SCALE	DATE 09/29/2025
EXP. 06/30/2026	DRAWN J/P	DESIGNED J/P	CHECKED Z/S

IN ACCORDANCE WITH RESOLUTION NO. 18-06, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA HEREBY EXERCISES THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.

REVIEWED BY: LAILA HUSAINI PAL DESIGN	09/30/2025 EXECUTION DATE
REVIEWED BY: JULIAN LILLY PAL-CONSTRUCTION	09/30/2025 EXECUTION DATE

PLAN LEGEND				SINGLE LINE DIAGRAM AND SCHEMATIC LEGEND				ABBREVIATION LIST					
	EXPOSED CONDUIT		LEVEL TRANSPONDER		FIELD WIRING		3-POSITION SELECTOR SWITCH (HAND-OFF-AUTO)		INTRINSICALLY SAFE RELAY	A, AMP	AMPERES	RR	RUN RELAY
	EXISTING EXPOSED CONDUIT		PHOTOCELL		PANEL WIRING		» «	EDGE CONNECTORS	AC	ALTERNATING CURRENT	RV	REDUCED VOLTAGE	
	CONDUIT WITHIN CEILING, FLOOR, WALLS, OR UNDERGROUND		PRESSURE SWITCH		COMMUNICATIONS WIRING		LOCKOUT STOP PUSHBUTTON		INTERNAL CONTACT (N.O.)	AIC	AMPS INTERRUPTING CAPACITY	SSS	SOLID-STATE STARTER
	EXIST. CONDUIT WITHIN CEILING, FLOOR, WALLS, OR UNDERGROUND		TEMPERATURE SWITCH		PUSH-PULL EMERGENCY STOP PUSHBUTTON		INTERNAL CONTACT (N.C.)	BAT	BATTERY BC BATTERY CHARGER	SR	SIMPLEX RECEPTACLE		
	GROUNDING ELECTRODE CONDUCTOR		THERMOSTAT		PILOT LIGHT (LETTER DENOTES COLOR)		DISCONNECT SWITCH (N.O.)	C	COMMON	SS	SELECTOR SWITCH, SOFT STARTER		
	OHE -- EXISTING OVERHEAD ELECTRIC		INTRUSION ALARM SWITCH		PUSH-TO-TEST PILOT LIGHT (LETTER DENOTES COLOR)		DISCONNECT SWITCH (N.C.)	(E)	EXISTING	SP	SURGE PROTECTOR		
	CONDUIT BEND UP		UNDERGROUND JUNCTION BOX		CONTROL RELAY		EARTH GROUND CONNECTION	CNTL	CONTROL	SPD	SURGE PROTECTOR DEVICE		
	CONDUIT BEND DOWN		MANHOLE		PRESSURE SWITCH (N.O.) CLOSES ON RISING LEVEL		GROUND ROD AND WELL	CPT	CONTROL POWER TRANSFORMER	SV	SOLENOID VALVE		
	FENCE		HANDHOLE		PRESSURE SWITCH (N.C.) OPENS ON RISING LEVEL		OVERLOAD (ELECTRONIC TYPE)	CP	CONTROL PANEL	SWBD	SWITCHBOARD		
	FLOOR MOUNTED ETHERNET (10/100) OUTLET (RJ-45)		DISCONNECT SWITCH		TIMING RELAY, (N.O.) CONTACT TIME TO CLOSE (ON DELAY TIMER)		THERMAL OVERLOAD (BI-METALLIC)		INDICATING FUSE HOLDER AMPERE SIZE SHOWN	CR	CONTROL RELAY	TB	TERMINAL BLOCK
	TELEPHONE OUTLET (RJ-11)		FUSED DISCONNECT SWITCH		TIMING RELAY, (N.C.) CONTACT TIME TO OPEN (ON DELAY TIMER)		FUSED TERMINAL BLOCK	CT	CURRENT TRANSFORMER	TR	TIME DELAY RELAY		
	ETHERNET (10/100) OUTLET (RJ-45)		ENCLOSED CIRCUIT BREAKER		TIMING RELAY, (N.O.) CONTACT TIME TO OPEN (OFF DELAY TIMER)		NEUTRAL BUS	DC	DIRECT CURRENT	TC	TIMECLOCK		
	COMBINATION TELEPHONE/ETHERNET (10/100) OUTLET (RJ-11 & RJ-45)		COMBINATION MOTOR STARTER		TIMING RELAY, (N.C.) CONTACT TIME TO CLOSE (OFF DELAY TIMER)		GROUND BUS	DR	DUPLEX RECEPTACLE	TM	THERMAL MAGNETIC		
	240V SIMPLEX RECEPTACLE (NUMBER DENOTES CIRCUIT AMPS)		MOTOR STARTER		FLOW SWITCH (N.O.) CLOSES ON RISING LEVEL		HORN	(E)	EXISTING	TS	TEMPERATURE SWITCH		
	480V SIMPLEX RECEPTACLE (NUMBER DENOTES CIRCUIT AMPS)		PUSHBUTTON CONTROL STATION		FLOW SWITCH (N.C.) OPENS ON RISING LEVEL		BUZZER	EC	EDGE CONNECTOR	TSP	TWISTED SHIELDED PAIR		
	120V, 20A SIMPLEX RECEPTACLE		CONDUIT SEAL-OFF FITTING		FLOAT SWITCH (N.C.) OPENS ON RISING LEVEL		TERMINAL BLOCK	EF	EXHAUST FAN	TWP	TWISTED PAIR		
	120V, 20A DUPLEX RECEPTACLE		SOLENOID VALVE (ENERGIZED TO CLOSE)		FLOAT SWITCH (N.O.) CLOSES ON RISING LEVEL		FIELD TERMINATION	ETM	ELAPSED TIME METER	TYP	TYPICAL		
	120V, 20A QUADRAPLEX RECEPTACLE		SOLENOID VALVE (ENERGIZED TO OPEN)		LIMIT SWITCH (N.C.)		MAIN LUG ONLY	F	FUSE	UG	UNDERGROUND		
	120V, 20A SPST SWITCH		BUTTERFLY VALVE		LIMIT SWITCH (N.O.)		POWER DISTRIBUTION BLOCK	FB	FUSE BLOCK	V	VOLTS, VOLTAGE		
	MANUAL MOTOR STARTER		PLUG VALVE		LIMIT SWITCH (N.C.)		COIL/INDUCTOR	(F)	FUTURE	VM	VOLTMETER		
	120V, 20A 3-WAY SWITCH		GATE VALVE		LIMIT SWITCH (N.O.)		POWER TRANSFORMER	FLTR	FILTER	VFD	VARIABLE FREQUENCY DRIVE		
	120V, 20A 4-WAY SWITCH		ALARM BEACON		TEMPERATURE SWITCH (N.C.) OPENS ON RISING LEVEL		HEATER	FS	FLOAT SWITCH	WP	WEATHERPROOF		
	ANALYZER TRANSMITTER		HORN		TEMPERATURE SWITCH (N.O.) CLOSES ON RISING LEVEL		MOTOR STARTER CONTACTOR COIL	FVNR	FULL VOLTAGE NON REVERSING	TR,XFMR	TRANSFORMER		
	CONDUCTIVITY SWITCH				CIRCUIT BREAKER WITH DOOR OPERATED HANDLE		ELAPSED TIME METER	FVR	FULL VOLTAGE REVERSING	XP	EXPLOSION PROOF		
	FLOAT SWITCH				CIRCUIT BREAKER		METER & CURRENT TRANSFORMER	G, GND	GROUND	XMTR	TRANSMITTER		
	ABOVE GROUND JUNCTION BOX				CONTACT (N.O.)		WATT HOUR METER AND SOCKET	GFCI	GROUND FAULT CIRCUIT INTERRUPTER				
	LEVEL ELEMENT				CONTACT (N.C.)		PHASE FAILURE RELAY	HPS	HIGH PRESSURE SODIUM				
	LEVEL PROBES				PUSHBUTTON (N.O.) MOMENTARY CLOSE		TIME DELAY RELAY	HS	HAND SWITCH				
					PUSHBUTTON (N.C.) MOMENTARY OPEN		LATCHING RELAY	HTR	HEATER				
					2-POSITION SELECTOR SWITCH		CONTROL RELAY	ICP	INSTRUMENTATION CONTROL PANEL				
								ISR	INTRINSICALLY SAFE RELAY				
								I, IND	INDICATOR				
								INST	INSTANTANEOUS				
								KV	KILOVOLT				
								KVA	KILOVOLT AMPERES				
								KW	KILOWATT				
								LED	LIGHT EMITTING DIODE				
								LCD	LIQUID CRYSTAL DISPLAY				
								LA	LIGHTNING ARRESTER				
								LCP	LOCAL CONTROL PANEL				
								LPU	LIGHTNING PROTECTION UNIT				
								LOS	LOCK OUT STOP				
								LR	LATCH RELAY				
								LS	LOAD SPLITTER				
								MA	MILLIAMPERES				
								MB	MAIN BREAKER				
								MCC	MOTOR CONTROL CENTER				
								MCP	MOTOR CIRCUIT PROTECTOR				
								MOT	MOTOR OVERTEMPERATURE				
								MMS	MOTOR MOISTURE SENSOR				
								MS	MOTOR STARTER				
								N	NEUTRAL				
								NA	NON AUTOMATIC				
								(N)	NEW				
								N.I.C.	NOT IN CONTRACT				
								NP	NAMEPLATE				
								OT	OVERTEMPERATURE				
								O/L	OVERLOAD DEVICE				
								PB	PUSHBUTTON				
								PCB	PRINTED CIRCUIT BOARD				
								PC	PROGRAMMABLE CONTROLLER				
								PLC	PROGRAMMABLE LOGIC CONTROLLER				
								PL-1	PILOT LIGHT 1				
								PFR	PHASE/POWER FAIL RELAY				
								PNL	PANEL				
								POT	POTENTIOMETER				
								PPM	POWER PHASE MONITOR				
								PR	PAIR CABLE				
								PS	PRESSURE SWITCH				
								PT	POTENTIAL TRANSFORMER				
								PTT	PUSH TO TEST				
								PVC	POLYVINYL CHLORIDE				
								PWR	POWER				

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen



BLD25-00576 (ARCH)
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DESIGNED BY: L.A. HALL	09/30/2025
PAI-DESIGN	EXECUTION DATE
DESIGNED BY: L.A. HALL	09/30/2025
PAI-CONSTRUCTION	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-5, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: ZIRANG SONG	PROJECT ENGINEER	R.C.E. NO. -- -- # 69315	SCALE	DATE 09/29/25
EXP. 06/30/2026	DRAWN J.P.	DESIGNED J.P.	CHECKED Z.S.	

C258

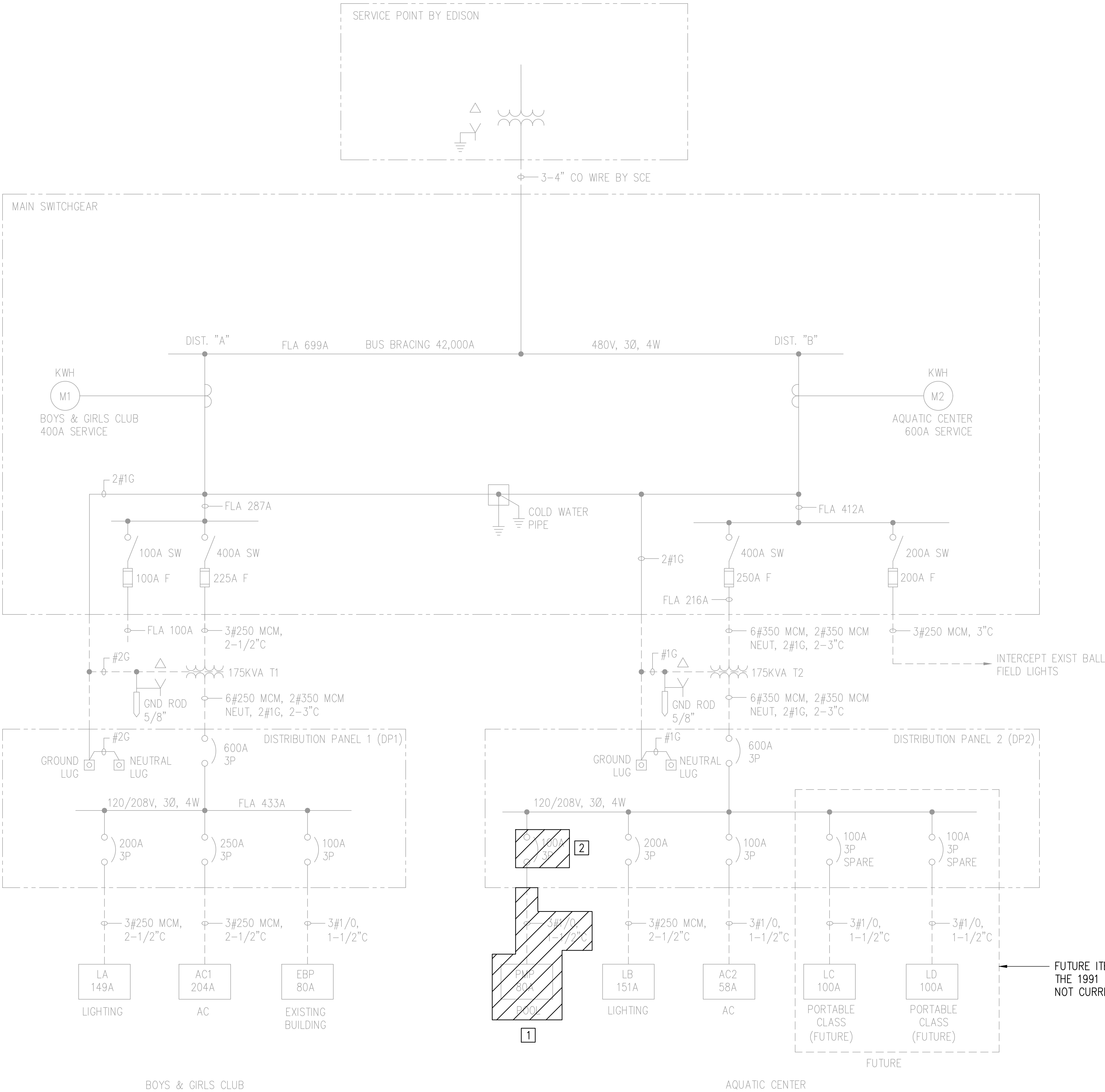
LEGEND & ABBREVIATIONS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA CA

SHEET
E0.1

42 OF 60 SHEETS

JOB NO. C258



SINGLE LINE DIAGRAM DEMO
NTS

CONSTRUCTION NOTES:

- 1 REMOVE EXISTING PANEL "PMP" AND ASSOCIATED POWER CONDUIT/FEEDER CABLES AND DISPOSE.
- 2 REMOVE EXISTING CIRCUIT BREAKER AND REPLACE PER SHEET E1.0.
- 3 EXISTING POOL DECK LT POLE RECEPTACLES TO BE REPLACED. SEE SHT E1.0.
- 4 EXISTING POOL LIGHTS TO BE TRANSFERRED TO PROPOSED LIGHTING CONTROL PANEL (LCP-A).
- 5 EXISTING POOL DECK POLE-MTD LIGHT FIXTURES TO BE REMOVED AND REPLACED PER SHEET E2.0.
- 6 EXISTING SUMP PUMP TO REMAIN IN PLACE. TRANSFER TO REPLACEMENT PANEL-PMP, SEE SHT E1.0.
- 7 EXISTING EQUIPMENT TO BE REMOVED, SEE MECH DEMO PLANS. REMOVE ALL ANCILLARY ELECTRICAL COMPONENTS AND RETURN MAJOR ITEMS SUCH AS PANELS, CONTROLLERS, ETC. TO OWNER. DISPOSE OF MINOR ITEMS SUCH AS CONDUITS, WIRING, ETC.
- 8 CONTRACTOR TO VERIFY LOADS BEFORE DEMOLISHING AND NOTIFY ENGINEER OF RECORD IF ANY DISCREPENCIES FOUND.

NOTES:

1. FADED BACK ITEMS ARE EXISTING TO BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.
2. SINGLE LINE DIAGRAM HAS BEEN GENERATED FROM AS-BUILTS DATED SEPTEMBER 1991 BY DESCO ELECTRIC. CONTRACTOR TO CONFIRM AND NOTIFY ENGINEER OF RECORD IF ANY DISCREPENCIES FOUND.
3. NOT ALL ITEMS TO BE DEMO'D ARE SHOWN ON THIS SHEET. SEE REST OF PLAN SET FOR ADDITIONAL DEMO DETAILS.

EXISTING PANEL-PMP												
VOLTAGE:		120/240 VAC							MAIN BKR:		80	A
VOLT AMPS												A
LOAD DESCRIPTION		VA	CB	BKR	PHASE A	PHASE B	BKR	CB	VA	LOAD DESCRIPTION		
7	POOL HEATER		30/1	1	0		2	20/1		HTR CHM RM L/S		
7	HTR CHM 240V RECEPT			3		0	4	20/1		SPARE		
7	STRANXOL		20/2	5	0		6	20/1		PRESS PLUMP		
3	POOL DECK LT POLE RECEPT		20/1	7		0	8	20/1		HTR CHM RM C/C RECEPT		
	SPARE			9	0		10	20/1		POOL DECK LT CTR CK		
4	POOL LIGHTS (EAST)		20/1	11		0	12	20/1		EX BLUG L/S		
7	CL REFR		15/1	13	0		14	20/1		POOL DECK LT		
	SPARE		20/1	15		0	16	20/1		POOL DECK LT		
4	POOL LIGHTS (WEST)		20/1	17	0		18	20/1		POOL DECK LT		
	SPARE		15/1	19		0	20	20/1		POOL DECK LT		
	SPARE		20/2	21	0		22	20/1		POOL DECK LT CTR CK		
	"SPACE"			23		0	24	20/1		SUMP PUMP		
	"SPACE"			25			26	20/2		POOL DECK 240V RECEPT GFC		
	"SPACE"			27			28					
	"SPACE"			29			30			"SPACE"		
VA/PHASE (SUBTOTAL)					PHASE A		PHASE B		1Φ, 3W			
AMPS/LEG (SUBTOTAL)												
VA (SUBTOTAL)												
25% OF LARGEST INDUCTIVE LOAD												
GRAND TOTAL (AMPS)					* INDICATES LOAD CALCULATED AT 125%							
PERCENT CAPACITY												

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
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P: (714) 481-7300 | www.pacewater.com

REVISION:	09/30/2025
DATE:	09/30/2025
BY:	09/30/2025
FOR:	09/30/2025

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETIONARY AUTHORITY OF THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.

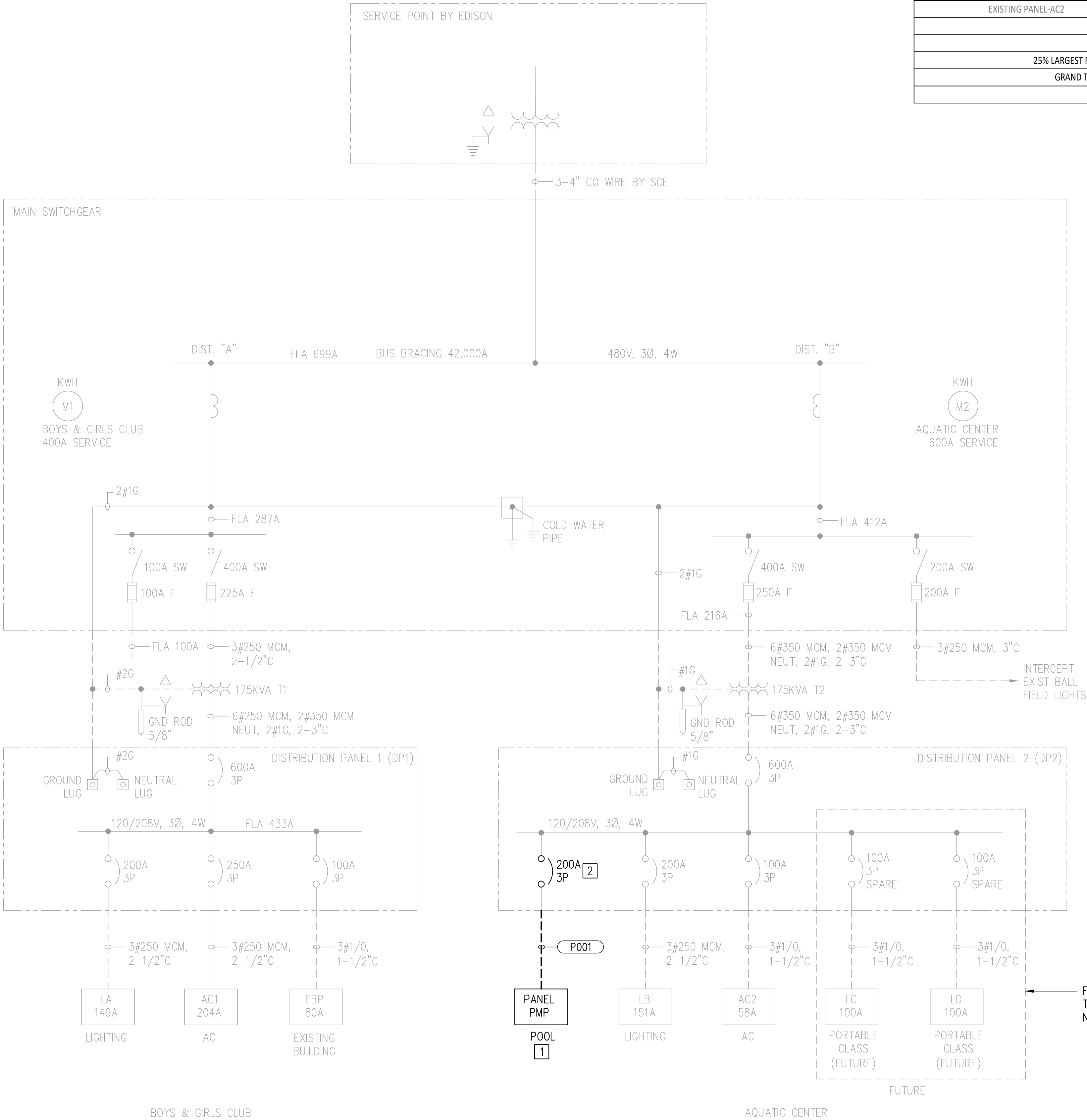


PREPARED BY	ZIRANG SONG
PROJECT ENGINEER	R.C.E. NO. -- # 69315
EXP.	06/30/2026
DRAWN	J/P
DESIGNED	J/P
CHECKED	Z/S
DATE	09/29/25

TITLE
SINGLE LINE DIAGRAM
DEMO

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

SHEET
E1.0D
43 OF 60 SHEETS
JOB NO. C258



SINGLE LINE DIAGRAM PROPOSED
NTS

EXISTING DISTRIBUTION PANEL 2 (DP-2) LOAD SUMMARY (600A MCB @208V)		
LOAD DESCRIPTION	CONNECTED (AMPS)	ACTIVE (AMPS)
PANEL-PMP	142.5	142.5
EXISTING PANEL-LB	151	151
EXISTING PANEL-AC2	58	58
SUBTOTAL	351.5	351.5
25% LARGEST MOTOR LOAD	11.55	11.55
GRAND TOTAL (AMPS)	363.1	363.1
% CAPACITY		60.5%

CONSTRUCTION NOTES:

- PANELBOARD "PMP", 120/208V, 3Ø, 4W, 60 HZ, 22 KAIC, 200 A MCB/225 A BUS, EQUIPPED WITH SPD (MIN 50 KA/PH), NEMA 12, 54 CIRCUITS, WALL-MTD.
- REPLACE EXISTING CIRCUIT BREAKER WITH 200A/3P CIRCUIT BREAKER. MATCH EXISTING TYPE.
- SEE NOTE 3 BELOW.
- PROVIDE LOCK-ON DEVICE FOR EXIT LIGHT CB.

NOTES:

- FADED BACK ITEMS ARE EXISTING TO BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.
- SINGLE LINE DIAGRAM HAS BEEN GENERATED FROM AS-BUILTS DATED SEPTEMBER 1991 BY DESCO ELECTRIC. CONTRACTOR TO CONFIRM AND NOTIFY ENGINEER OF RECORD IF ANY DISCREPANCIES FOUND.
- EXISTING SUMP PUMP IS UNKNOWN AT THIS TIME. LOADS ARE ESTIMATED AT 80% OF THE EXISTING BREAKER SIZES.

PANEL-PMP											
VOLTAGE:		VOLT AMPS								MAIN BKR:	
120/208 VAC										200	
SCCR:										225	
										A	
LOAD DESCRIPTION		VA	CB	BKR	PHASE A	PHASE B	PHASE C	BKR	CB	VA	LOAD DESCRIPTION
SPARE			15/1	1	5548			2		5548	VERTICAL TURBINE POOL PUMP
RECEP - 45M5 CHM PUMP		204	15/1	3		5752		4	100/3	5548	
RECEP - 45M5 CHM PUMP		204	15/1	5			5752	6		5548	
CHEM CTRLR		3900	45/1	7	5076			8	20/1	1176	
POOL DECK LT 1 & 2 RECEP'S		360	20/1	9		360		10	15/1		SPARE
POOL DECK LT 3 & 4 RECEP'S		360	20/1	11			2280	12	30/1	1920	POOL HEATER PUMP
SPARE			15/1	13	1440			14	25/1	1440	POOL HEATER
STORAGE ROOM LTS*		188	15/1	15		538		16	15/1	350	PROCESS ROOM LTS*
CHEM RM (WEST) LT*		31	15/1	17			1951	18	20/1	1920	EXIST SUMP PUMP
CHEM RM (WEST-CTR) LT*		31	15/1	19	56			20	15/1	25	EXIT SIGN (PROCESS RM)*
CHEM RM (CTR) LT*		31	15/1	21		56		22	15/1	25	EXIT SIGN (STORAGE RM)*
CHEM RM (EAST-CTR) LT*		31	15/1	23			931	24	20/1	900	RECEP'S (CHEM RMS)
CHEM RM (EAST) LT*		31	15/1	25	31			26	15/1		SPARE
PROCESS RM 208V RECEP		1300	20/2	27		1504		28	15/1	204	RECEP - 85M5 CHM PUMP
		1300		29		2600	30		1300	POOL DECK 208V RECEP NORTH	
		1300		31	2600	32	20/2	1300			
POOL DECK 208V RECEP SOUTH		1300	20/2	33		1840		34	20/1	540	STORAGE RM RECEP'S
SPARE			20/1	35			360	36	20/1	360	PUMP AREA RECEP'S
SPARE			20/1	37	0			38	20/1		SPARE
LIGHTING CTRL PNL (LCP-A)		4713	50/1	39		4713		40	20/1		SPARE
RECEP'S(PROCESS RM EAST)		360	20/1	41			720	42	20/1	360	RECEP'S(PROCESS RM WEST)
CHEM RM (WEST) EXH FAN		500	15/1	43	500			44			"SPACE"
CHEM RM (WEST-CTR) EXH FAN		500	15/1	45		1040		46	15/1	540	PROCESS RM EXH FAN
CHEM RM (CENTER) EXH FAN		500	15/1	47			1040	48	15/1	540	STORAGE RM EXH FAN
CHEM RM (EAST-CTR) EXH FAN		500	15/1	49	500			50			"SPACE"
"SPACE"				51		0		52			"SPACE"
"SPACE"				53			500	54	15/1	500	EYEWASH/SHOWER EXH FAN
					PHASE A	PHASE B	PHASE C				
VA/PHASE (SUBTOTAL)					15751	15803	16134	3Ø, 4W			
AMPS/PHASE (SUBTOTAL)					131.3	131.7	134.5	22,000 AIC BREAKERS			
VA (SUBTOTAL)					47688			NEMA 12			
25% OF LARGEST INDUCTIVE LOAD (VA)					1387	1387	1387				
GRAND TOTAL (AMPS)					143.9			* INDICATES LOAD CALCULATED AT 125%			
PERCENT CAPACITY					72.0%						

PANEL SCHEDULE NOTES

- PROVIDE UPDATED, COMPLETE, AND ACCURATE TYPED PANELBOARD CIRCUIT DIRECTORIES AT THE COMPLETION OF WORK.
- CIRCUIT BREAKERS SHALL BE CLASS A GFCI AND SPGFCI PER NEC 680.5, THERMAL MAGNETIC, TRIP INDICATING.
- MULTI-POLE CIRCUIT BREAKERS SHALL BE EQUIPPED WITH AN INTERNAL COMMON TRIP MECHANISM.
- CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURER AS THE PANELBOARD.
- PANELBOARDS SHALL BE BOLT-ON TYPE.
- BREAKER SHALL HAVE FIXED LOCKS WHEN REQUIRED BY NEC CODE.
- PANELBOARDS SHALL BE PROVIDED WITH SPARE BREAKERS AS INDICATED.
- "SPACE" INDICATES A LISTED CIRCUIT BREAKER COVER.
- BOTH ENDS OF CONDUCTORS SHALL BE LABELED WITH THE PANEL NAME AND CIRCUIT.
- EQUIPMENT FED FROM PANELBOARDS SHALL BE LABELED WITH THEIR CIRCUIT IN ACCORDANCE WITH NEC 110.22 (A).

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles
16, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)
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Advanced Water Engineering

17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
P: (714) 481-7300 | www.pacewater.com

DESIGNED BY: F. Svendsen	09/30/2025
EXECUTED BY: F. Svendsen	09/30/2025
DESIGNED BY: F. Svendsen	09/30/2025
EXECUTED BY: F. Svendsen	09/30/2025

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE CITY'S PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



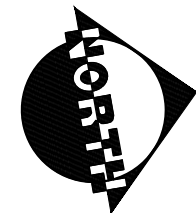
PREPARED BY: ZIRANG SONG	PROJECT ENGINEER	SCALE	DATE
R.C.E. NO. -- # 69315	EXP. 06/30/2026	J/P	09/29/25
DRAWN	DESIGNED	CHECKED	

TITLE
SINGLE LINE DIAGRAM
PROPOSED

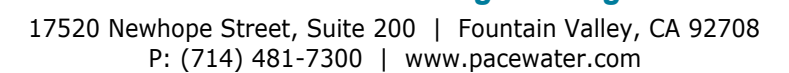
NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

SHEET
E1.0
44 OF 60 SHEETS
JOB NO. C258

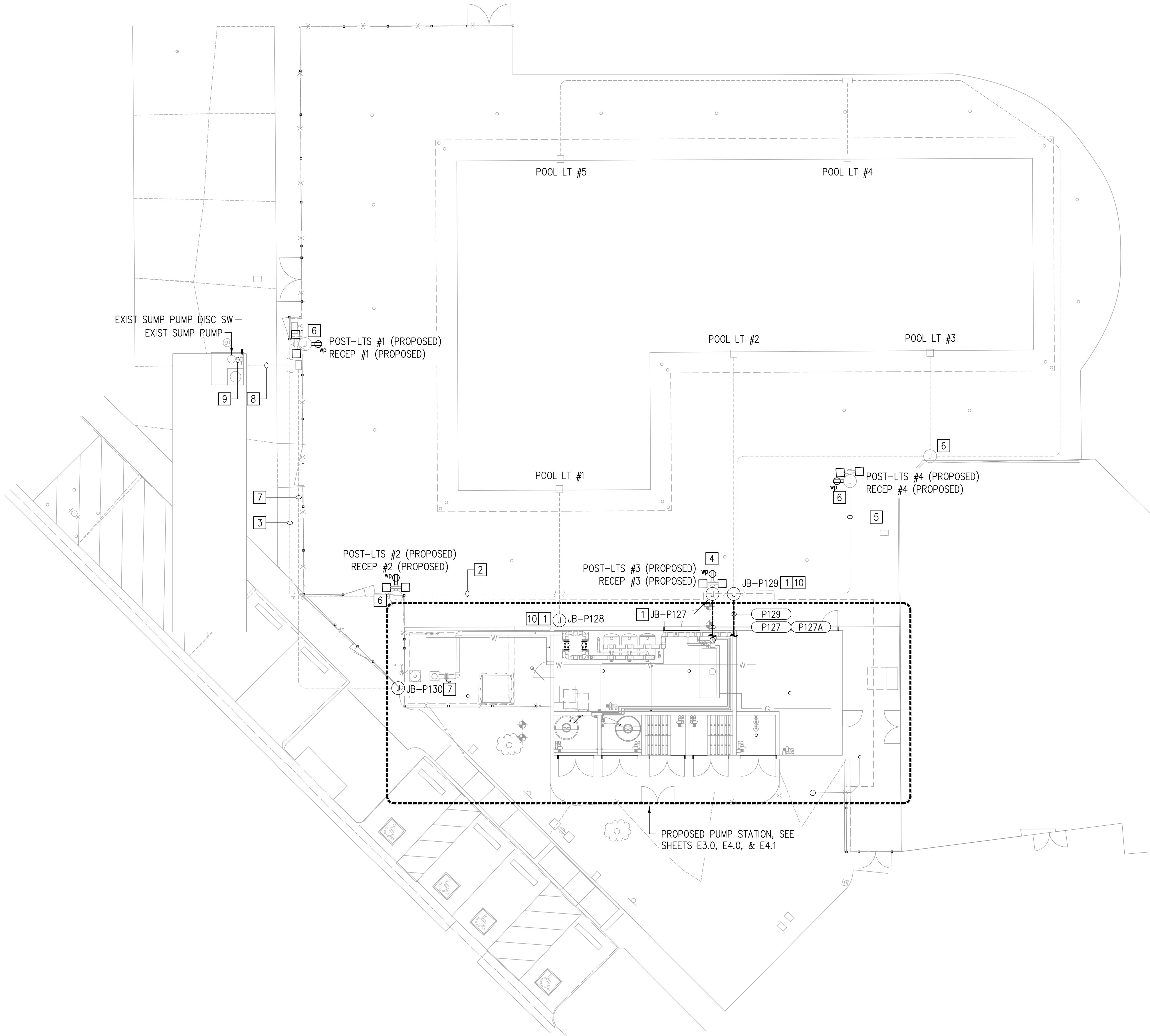
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Dmscode = 40; Imscode = 1; PStscode = 1; ACAD Ver. = 23.0s (LMS Tech); Visrcton = 1

 DEMO

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SHEET
E2.0D
45 OF 60 SHEETS
JOB NO. C258



ELECTRICAL SITE PLAN
SCALE: 1"=10'-0"

CONSTRUCTION NOTES:

- 1 REPLACE EXISTING J-BOXES IN PLACE. REPLACEMENT J-BOXES TO BE NEMA 4X. SEE DETAIL "F" SHEET E7.1.
- 2 EXIST. 3/4"C, PROVIDE 2-#10, 1-#10G FOR POLE-MTD RECEPTACLES 1 & 2; 2-#12, 1-#12G FOR POLE-MTD. LIGHT SETS 1 & 2 (TYP 2 LIGHTS PER POLE).
- 3 EXIST. 3/4"C, PROVIDE 2-#10, 1-#10G FOR POLE-MTD RECEPTACLE 1; 2-#12, 1-#12G FOR POLE-MTD. LIGHT SET 1 (TYP 2 LIGHTS PER POLE).
- 4 PROVIDE 2-#10, 1-#10G FOR POLE-MTD RECEPTACLE 3; 2-#12, 1-#12G FOR POLE-MTD. LIGHT SET 3 (TYP 2 LIGHTS PER POLE).
- 5 EXIST. 3/4"C, PROVIDE 2-#10, 1-#10G FOR POLE-MTD RECEPTACLE 4; 2-#12, 1-#12G FOR POLE-MTD. LIGHT SET 4 (TYP 2 LIGHTS PER POLE).
- 6 CONTRACTOR TO CONFIRM ALL EXISTING J-BOXES ARE LISTED AS SWIMMING POOL J-BOXES.
- 7 INTERCEPT EXISTING 1" UG CONDUIT IN FIELD, REMOVE PORTION OF CONDUIT THAT IS TO BE REMOVED WITH EXISTING BUILDING AND CONNECT TO JUNCTION BOX WITH NEW 1" CONDUIT AS NEEDED. REPLACE EXISTING WIRES WITH 2-#10, 1-#10G.
- 8 EXISTING 1-1/2"C, REPLACE EXISTING WIRES WITH 2-#10, 1-#10G.
- 9 EXISTING CONDUIT (SIZE UNKNOWN), REPLACE EXISTING WIRES WITH 2-#10, 1-#10G. CONTRACTOR TO VERIFY CONDUIT SIZE TO ENSURE LESS THAN 40% FILL.
- 10 SPLICE WITH EXISTING POOL LIGHT POWER CONDUCTORS INSIDE PULLBOX.

NOTES:

1. GROUND AND BOND ALL EQUIPMENT AND ENCLOSURES PER MANUFACTURER REQUIREMENTS AND NEC 250.
2. LAYOUT OF EXISTING CONDUITS/J-BOXES SHOWN ARE APPROXIMATED FROM AS-BUILTS DATED FEBRUARY 1992 BY JONES AND MADHAVEN. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IF ANY DISCREPENCIES FOUND.
3. LABEL ABOVEGROUND CONDUITS PER DETAIL "C" SHEET E7.0.
4. TYPICAL CONDUIT TRANSITIONS/STUB-UPS PER DETAILS "A, B, C" SHEET E7.1.

LEGEND:

- =□ POLE-MTD. DUAL FLOOD LIGHTS, 3-WAY FIELD ADJUSTABLE, 140/100/70W, 3000K/4000K/5000K ADJUSTABLE COLOR TEMP, TRUNNION-MTD, 120V, 1PH, MF'R: RAB, PN X17-XFU-140-T (OR APPROVED EQUAL). EXISTING POLE, TYP 2 LIGHTS PER POLE.
- ⌋ EXISTING JUNCTION BOX.
- ⌋ LISTED POOL NEMA 4X JUNCTION BOX INSTALLED 8" MIN ABOVE MAX POOL WATER LEVEL, SEE DETAIL "F" SHEET E7.1.
- ⌋ 120V, 1PH, GFCI WEATHER RESISTANT RECEPTACLE.

CITY OF SANTA CLARITA
BUILDING & SAFETY

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Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)

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ELECTRICAL SITE PLAN

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)

E2.0

46 OF 60 SHEETS

JOB NO. C258

REVIEWED BY: LAD: [Signature]	09/30/2025
DATE: [Signature]	EXECUTION DATE
PREPARED BY: F. Svendsen	09/30/2025
DATE: [Signature]	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: ZIRANG SONG	PROJECT ENGINEER	R.C.E. NO. -- # 69315	SCALE	DATE: 09/29/25
EXP. 06/30/2026	DRAWN: J/P	DESIGNED: J/P	CHECKED: Z/S	

CONSTRUCTION NOTES:

- 1

PANELBOARD "PMP", 120/208V, 3Ø, 4W, 60 HZ, 22 KAIC, 200 A MCB/225 A BUS, EQUIPPED WITH SPD (MIN 50 KA/PH), NEMA 12, 54 CIRCUITS, WALL-MTD.
- 2

PUMP CONTROL PANEL WITH DISCONNECT SWITCH, TRANSFORMER, VFD, VFD BYPASS, 5% LINE REACTOR, PLC, NEMA 4X VENTILATED ENCLOSURE, WALL-MTD.
- 3

OUTDOOR LIGHTING CONTROL PANEL (LCP-A), 120-277 VAC, 1PH, 8 RELAYS, DIGITAL TIME CLOCK, ANALOG PHOTOSENSOR (WIRED TO PANEL MTD. OUTDOOR), PANEL DIMS: 14.41"Hx14.41"Wx4.05"D, MFR: ACUIITY BRANDS, PN ARP INTENC08 NLT-8FCR-MVOLT-SC-SM-DTC-ARPA APS 0L (OR APPROVED EQUAL).
- 4

DEDICATED GFCI RECEPTACLE FOR 45M5 CHEM DOSING PUMP.
- 5

DEDICATED GFCI RECEPTACLE FOR 85M5 CHEM DOSING PUMP.
- 6

CHEM CONTROLLER, 120V, 1PH, 0.5A CTLR, 32A RELAY OUTPUTS, MFR BECS TECHNOLOGY, PN BECSYS7 OR APPROVED EQUAL.
- 7

FUSED DISCONNECT SWITCH, 100A, HEAVY-DUTY SINGLE THROW, 208V, 3P, 4W, NEMA 4X, STANCHION-MTD, MFR EATON OR APPROVED EQUAL. SEE DETAIL "F" SHEET E7.1.
- 8

FROM PANEL-PMP.
- 9

INTERCEPT EXISTING 1" UG CONDUIT IN FIELD, REMOVE PORTION OF CONDUIT THAT IS TO BE REMOVED WITH EXISTING PUMP STATION AND CONNECT TO PROVIDED JUNCTION BOX WITH NEW 1" CONDUIT AS NEEDED. REPLACE EXISTING WIRES WITH 2-#10, 1-#10G.
- 10

VERTICAL MOTOR CONDUIT CONNECTION PER DETAIL "C" SHEET E7.2.
- 11

FLOW TRANSMITTER, MFR GF SIGNET, 24 VDC, PN 9900 OR APPROVED EQUAL, WALL MTD.
- 12

FLOW SENSOR, MFR GF SIGNET, OR APPROVED EQUAL.
- 13

PRESSURE TRANSDUCER.
- 14

LEVEL TRANSDUCER.
- 15

WET WELL SOLENOID FILL VALVE.
- 16

MOTOR STARTER PANEL, 120V, 1PH, NEMA 4X, TYPE EATON OR APPROVED EQUAL, WALL-MTD.
- 17

PRESSURE SUSTAINING PUMP.
- 18

EXHAUST FAN.
- 19

FAN MOTOR STARTER, 120V, 1PH, NEMA 4X, TYPE GREENHECK MS-1P OR APPROVED EQUAL, WALL-MTD.
- 20

FROM PUMP CONTROL PANEL.
- 21

TO PRESSURE SUSTAINING PUMP.

NOTES:

1.

CONDUITS ARE SHOWN SCHEMATICALLY. CONTRACTOR SHALL INSTALL PULLPOINTS WHERE REQUIRED FOR PULLING TENSION AND MAINTAINING LESS THEN (4) 90 DEGREE BENDS.
2.

MAINTAIN WORKING CLEARANCES IN FRONT OF PANELS AS REQUIRED PER NEC 110.26.
3.

LABEL ABOVEGROUND CONDUITS PER DETAIL "C" SHEET E7.0.
4.

TYPICAL CONDUIT TRANSITIONS/STUB-UPS PER DETAILS "A, B, C" SHEET E7.1.
5.

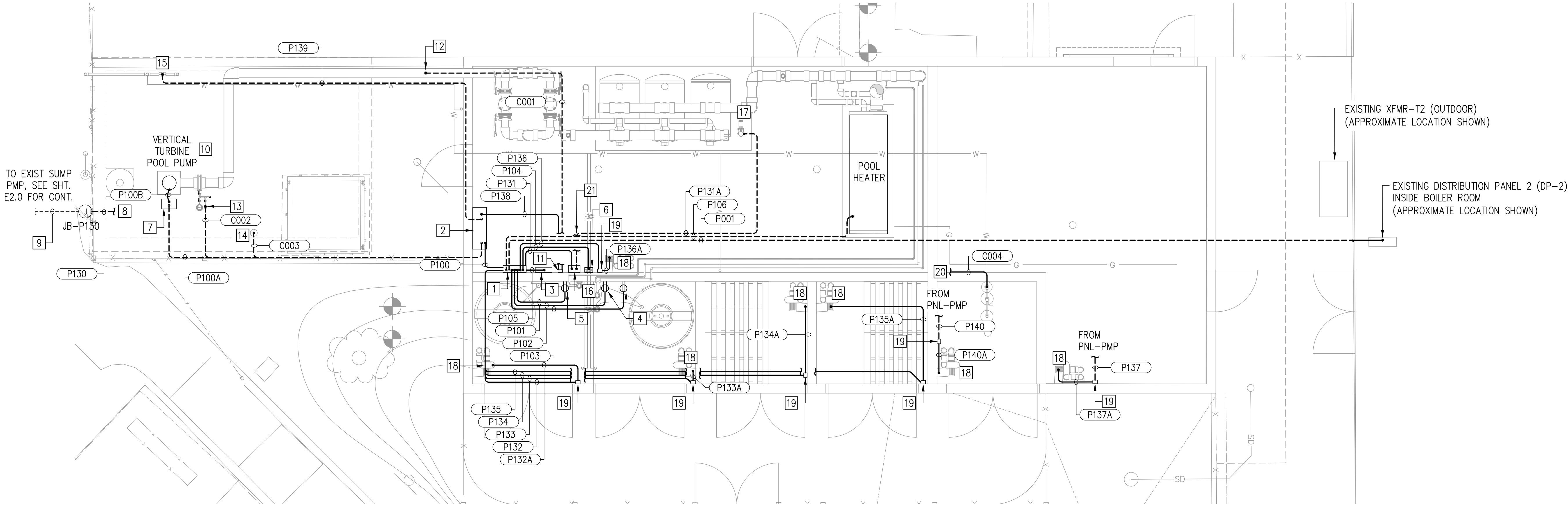
PANEL WALL MOUNTING PER DETAIL "J" SHEET E7.1.

LEGEND:

- ⌚

120V, 15A GFCI DUPLEX TAMPER-WEATHER RESISTANT RECEPTACLE.
- ⌚

LISTED POOL NEMA 4X JUNCTION BOX INSTALLED 8" MIN ABOVE MAX POOL WATER LEVEL, SEE DETAIL "F" SHEET E7.1.



CONSTRUCTION NOTES:

- 1
- OUTDOOR LIGHTING CONTROL PANEL (LCP-A), 120-277 VAC, 1PH, 8 RELAYS, DIGITAL TIME CLOCK, ANALOG PHOTOSENSOR (WIRED TO PANEL MTD. OUTDOOR), PANEL DIMS: 14.41"H x 14.41"W x 4.05"D, MF'R: ACUITY BRANDS, PN ARP INTENC08 NLT-8FCR-MVOLT-SC-SM-DTC-ARPA APS OL (OR APPROVED EQUAL).
- 2
- TO PHOTOCELL.
- 3
- FROM LIGHTING CTRL PANEL (LCP-A).
- 4
- FROM PANEL-PMP.
- 5
- PANELBOARD "PMP", 120/208V, 3Ø, 4W, 60 HZ, 22 KAIC, 200 A MCB/225 A BUS, EQUIPPED WITH SPD (MIN 50 KA/PH), NEMA 12, 54 CIRCUITS, WALL-MTD.
- 6
- SPLICE WITH EXISTING POOL LIGHT POWER CONDUCTORS INSIDE PULLBOX.

NOTES:

1.
- CONDUCTORS FOR HOME RUN CIRCUITS FOR LIGHTING & RECEPTACLES SHALL BE #12 AWG MINIMUM SIZE.
2.
- ADDITIONAL RECEPTACLES ARE SHOWN ON THE POWER/CONTROL DRAWINGS IN THIS PLAN SET THAT ARE NOT SHOWN ON THE LIGHTING/RECEPTACLE PLANS DUE TO NATURE OF EQUIPMENT.
3.
- LIGHTING & RECEPTACLE WIRING SHALL BE TYPE XHHW-2.
4.
- RECEPTACLE OUTLETS SHALL BE CLEARLY LABELED WITH THE CIRCUIT PROVIDING POWER. LABEL SHALL BE SUITED FOR ENVIRONMENT RECEPTACLE IS LOCATED IN.
5.
- ALL WIRING SHOWN SHALL BE WITHIN CONDUITS (PVC COATED RGS FOR OUTDOOR EXPOSED CONDUIT AND RGS FOR INDOOR CONDUIT).
6.
- ALL CONDUITS SHALL CONTAIN A PROPERLY SIZED GROUND CONDUCTOR.
7.
- DE-RATE CONDUCTORS PER NEC 310.15(C)(1).
8.
- MOUNT AND WIRE ALL EQUIPMENT PER MANUFACTURER REQUIREMENTS.
9.
- DE-RATE CONDUCTOR AMPACITY BASED ON # OF CURRENT CARRYING CONDUCTORS AS APPLICABLE.
10.
- OUTLETS AT CMU WALL PER DETAIL "A" SHEET E7.2.
11.
- LABEL ABOVEGROUND CONDUITS PER DETAIL "C" SHEET E7.0.
12.
- CONTRACTOR TO LABEL ALL 208V RECEPTACLE WITH VOLTAGE AND CIRCUIT NUMBER.

LEGEND:

- PMP-#

25W OS

INDICATES CIRCUIT NUMBER
LINEAR WASHDOWN 2FT, 25W, 5000K LED, 120-277V, NEMA 4X, 0-10V DIMMER. WITH OCCUPANCY SENSOR, MF'R: RAB PN SHARK2-25W/D10/MVS (OR APPROVED EQUAL)
- PMP-#

50W OS

INDICATES CIRCUIT NUMBER
LINEAR WASHDOWN 4FT, 50W, 5000K LED, 120-277V, NEMA 4X, 0-10V DIMMER. WITH OCCUPANCY SENSOR, MF'R: RAB PN SHARK4-50W/D10/MVS (OR APPROVED EQUAL)
- PMP-#

70W

INDICATES CIRCUIT NUMBER
LINEAR WASHDOWN 8FT, 70W, 5000K LED, 120-277V, NEMA 4X, 0-10V DIMMER. MF'R: RAB PN SHARK8-70W/D10 (OR APPROVED EQUAL)
- \$³

120 VAC, 20A, WALL-MTD. LIGHT SWITCH LOCATED AT 42" AFF. NUMBER INDICATES 3-WAY SWITCH REQUIRED.
- ((

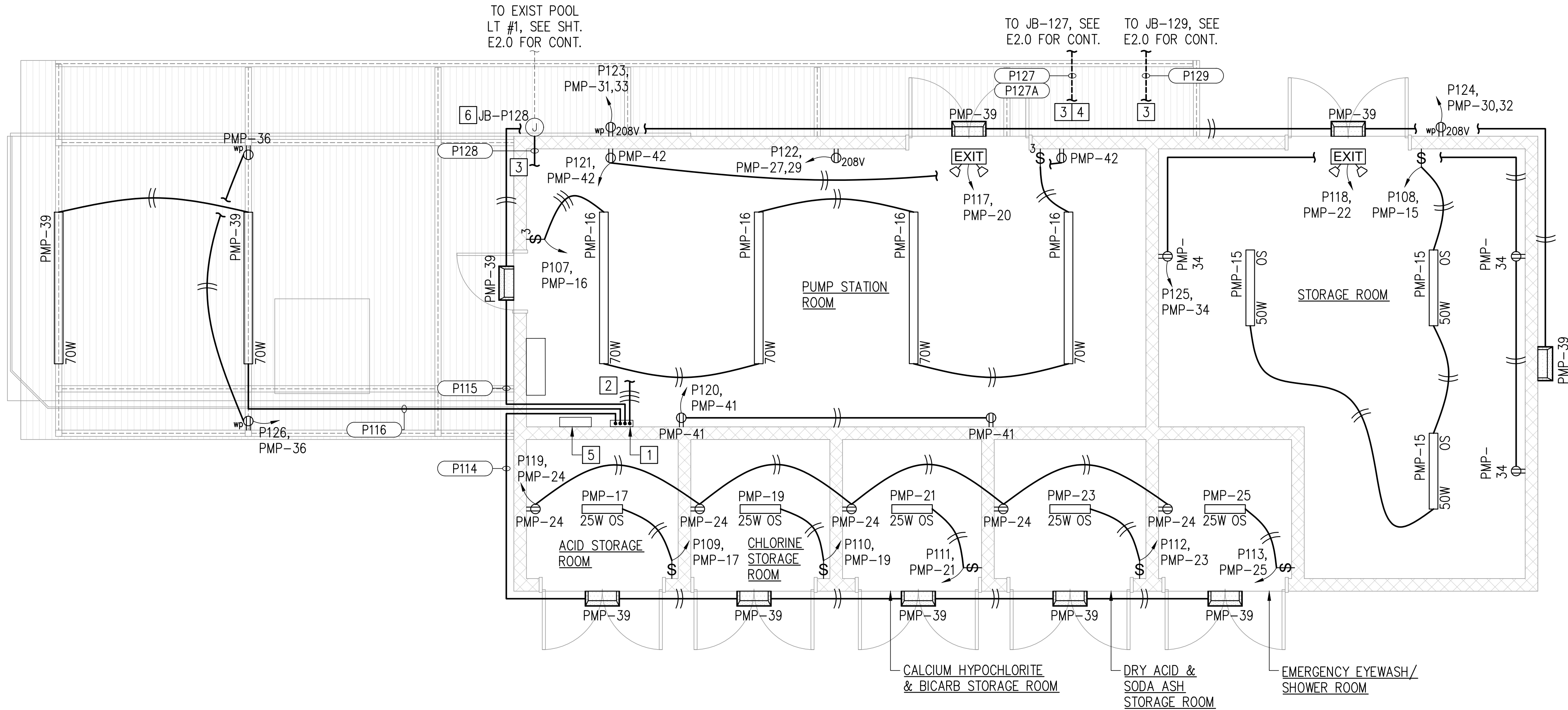
HASH MARKS INDICATE NUMBER OF CURRENT CARRYING CONDUCTORS. GROUND CONDUCTOR(S) NOT SHOWN FOR CLARITY. ALL CONDUITS SHALL HAVE A MINIMUM #12 GROUND AND SIZED PER CODE REQUIREMENTS.
- OUTDOOR LED WALL PACK, 57W, 3000K LED, 120-277V, BRONZE, 0-10V DIMMABLE, MF'R: RAB, PN SLIM57Y/D10 (OR APPROVED EQUAL).
- EXIT

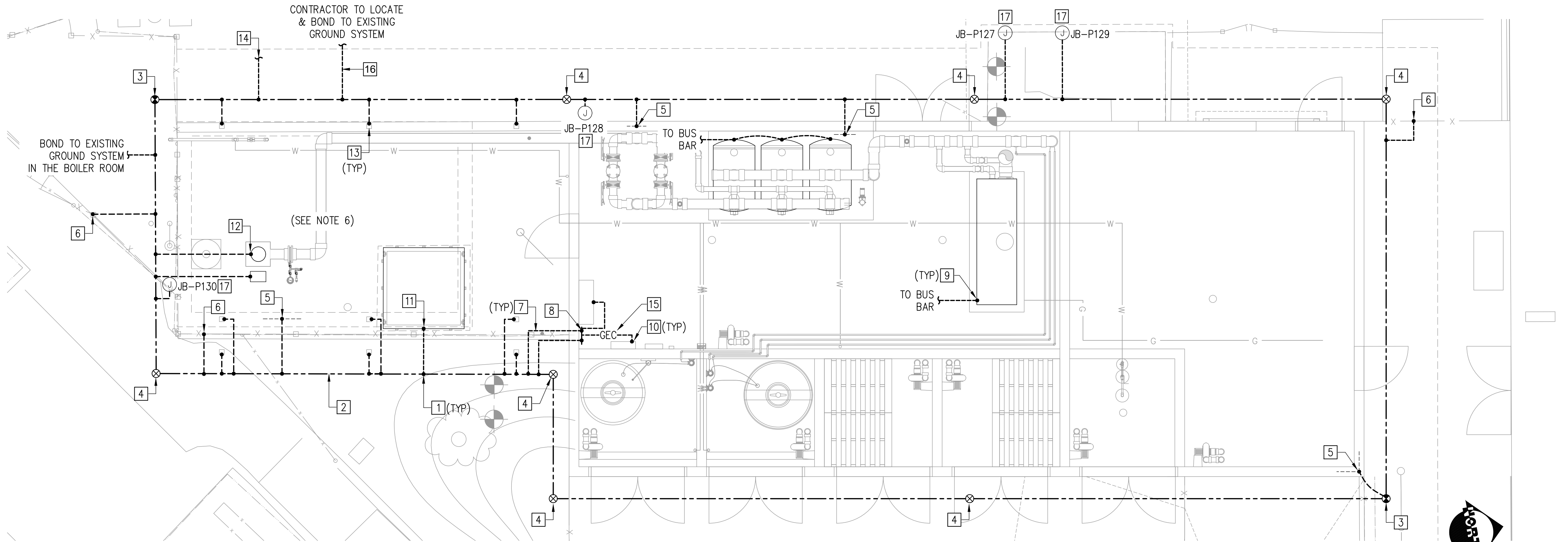
EXIT SIGN WITH INTEGRATED LIGHTS, 120V, 20 WATTS, 90 MINUTE BACK UP BATTERY, MF'R: THE EXIT LIGHT CO., PN WLCX-R-BB OR APPROVED EQUAL
- WP

120V, 1PH, 20A GFCI DUPLEX TAMPER-WEATHER RESISTANT RECEPTACLE. (WP = WEATHER-PROOF WHILE-IN-USE COVER REQUIRED).
- WP 208V

208V, 1PH, 20A GFCI DUPLEX TAMPER-WEATHER RESISTANT RECEPTACLE. (WP = WEATHER-PROOF WHILE-IN-USE COVER REQUIRED).
- POLE-MTD. DUAL FLOOD LIGHTS, 3-WAY FIELD ADJUSTABLE, 140/100/70W, 3000K/4000K/5000K ADJUSTABLE COLOR TEMP, TRUNNION-MTD, 120V, 1PH, MF'R: RAB, PN X17-XFU-140-T (OR APPROVED EQUAL). EXISTING POLE, TYP 2 LIGHTS PER POLE.
- J

LISTED POOL NEMA 4X JUNCTION BOX INSTALLED 8" MIN ABOVE MAX POOL WATER LEVEL, SEE DETAIL "F" SHEET E7.1.





GROUNDING PLAN
SCALE: 1/4"=1'

CONSTRUCTION NOTES:

- 1 EXOTHERMIC WELD PER DETAIL "H" SHEET E7.0.
- 2 4/0 BARE CU GROUND RING, MINIMUM 30" BELOW GRADE.
- 3 GROUND INSPECTION ROD PER DETAIL "F" SHEET E7.0.
- 4 GROUND ROD PER DETAIL "A" SHEET E7.0.
- 5 GROUND TO REBAR PER DETAIL "G" SHEET E7.0 & "G" SHEET E7.1.
- 6 GROUND TO FENCELINE PER DETAIL "D" SHEET E7.0.
- 7 #2 BARE COPPER, GROUNDING ELECTRODE CONDUCTOR (TYP)
- 8 GROUNDING BUS BAR PER DETAIL "E" SHEET E7.1.
- 9 GROUND EQUIPMENT PER DETAIL "B" SHEET E7.0.
- 10 BOND ELECTRICAL PANELS TO BUS BAR.
- 11 GROUND WET WELL ACCESS HATCHES AND METAL LADDERS (IF PRESENT).
- 12 GROUND PUMP MOTOR.
- 13 GROUND STEEL CANOPY POSTS PER DETAIL "E" SHEET E7.0.
- 14 GROUND TO STEEL ROOF.
- 15 #4/0 GROUNDING ELECTRODE CONDUCTOR ROUTED THROUGH 1.5" SCH 80 PVC SEALED AT BOTH ENDS WITH APPROVED SEALANT.
- 16 4/0 BARE COPPER CONDUCTOR.
- 17 BOND PROPOSED J-BOXES TO GROUND RING.

NOTES:

1. GROUND AND BOND ALL EQUIPMENT AND ENCLOSURES PER MANUFACTURER REQUIREMENTS AND NEC 250.
2. GROUND AND BOND ALL MOTOR FRAMES TO THE GROUND RING.
3. ALL METALLIC ENCLOSURES INCLUDING RAILINGS, FENCES OR OTHER METAL THAT PERSONNEL MAY COME IN CONTACT WITH SHALL BE EFFECTIVELY GROUNDED.
4. BARE GROUND CONNECTIONS EXPOSED TO THE ATMOSPHERE SHALL BE COVERED WITH GLYPTAL OR EQUIVALENT.
5. GROUND FLOW METERS PER DETAIL "H" SHEET E7.1.
6. GROUNDING AND BONDING FOR WET WELL SHALL MEET REQUIREMENTS OF NEC 250.110.
7. BOND ALL METAL PARTS.

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen



BLD25-00576 (ARCH)
The approved plans must be available at the construction site at all times. Changes or alterations to approved plans shall not be made without written permission from the City of Santa Clarita Building & Safety Division. The approval of these plans shall not be construed as an approval of any violation of the applicable codes, ordinances, or other laws.



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GROUNDING PLAN

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA CA

SHEET
E4.1
49 OF 60 SHEETS

JOB NO. C258

REVIEWED BY: Liam Bussell DATE: 09/30/2025 FBI-DESIGN	EXECUTION DATE 09/30/2025
REVIEWED BY: FBI-CONSTRUCTION DATE: 09/30/2025	EXECUTION DATE 09/30/2025

IN ACCORDANCE WITH RESOLUTION No. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE CODE SECTION 83A.6 FOR THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: ZIRANG SONG PROJECT ENGINEER R.C.E. NO. -- # 69315 EXP. 06/30/2026	SCALE DRAWN J/P DESIGNED J/P CHECKED Z/S	DATE 09/29/2025
---	--	--------------------

POWER CONDUIT WIRE SCHEDULE						
CONDUIT		WIRE*		FROM	TO	REMARKS
NO.	SIZE	POWER	GROUND			
P001	2-1/2"	4 - 4/0	1 - #4	EXISTING DISTRIBUTION PANEL 2 (DP-2)	PANEL-PMP	
P100	1-1/2"	3 - #3	1 - #4	PANEL-PMP (CKTS. 2, 4, 6)	VFD - VERTICAL TURBINE POOL PUMP	VFD INSIDE PUMP CONTROL PANEL
P100A	1-1/2"	3 - #3	1 - #4	VFD - VERTICAL TURBINE POOL PUMP	DISC SW - VERTICAL TURBINE POOL PUMP	
P100B	1-1/2"	3 - #3	1 - #4	DISC SW - VERTICAL TURBINE POOL PUMP	VERTICAL TURBINE POOL PUMP	
P101	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 28)	DEDICATED GFCI RECEP - 85M5 CHEM DOSING PUMP	EXISTING PUMP RELOCATED
P102	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 3)	DEDICATED GFCI RECEP - 45M5 CHEM DOSING PUMP	EXISTING PUMP RELOCATED
P103	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 5)	DEDICATED GFCI RECEP - 45M5 CHEM DOSING PUMP	EXISTING PUMP RELOCATED
P104	3/4"	2 - #8	1 - #8	PANEL-PMP (CKT. 7)	CHEM CONTROLLER	
P105	3/4"	2 - #8	1 - #8	PANEL-PMP (CKT. 39)	LIGHTING CONTROL PANEL (LCP-A)	
P106	3/4"	4 - #10	2 - #10	PANEL-PMP (CKT. 12, 14)	POOL HEATER	FOR HEATER BOILER & PUMP
P107	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 16)	PROCESS RM LIGHT SWITCH	
P108	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 15)	STORAGE RM LIGHT SWITCH	
P109	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 17)	CHEM RM (WEST) LIGHT	
P110	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 19)	CHEM RM (WEST-CTR) LIGHT	
P111	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 21)	CHEM RM (CENTER) LIGHT	
P112	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 23)	CHEM RM (EAST-CTR) LIGHT	
P113	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 25)	CHEM RM (EAST) LIGHT	
P114	3/4"	2 - #12	1 - #12	LIGHTING CONTROL PANEL (LCP-A)	BUILDING OUTDOOR WALL PACKS (EAST)	
P115	3/4"	2 - #12	1 - #12	LIGHTING CONTROL PANEL (LCP-A)	BUILDING OUTDOOR WALL PACKS (NORTH, WEST, SOUTH)	
P116	3/4"	2 - #12	1 - #12	LIGHTING CONTROL PANEL (LCP-A)	PUMP AREA OUTDOOR LIGHTS	
P117	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 20)	EXIT SIGN (PROCESS RM)	
P118	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 22)	EXIT SIGN (STORAGE RM)	
P119	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 24)	RECEPTACLES (CHEM ROOMS)	GFCI RECEPTACLES
P120	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 41)	RECEPTACLES (PROCESS RM EAST)	GFCI RECEPTACLES
P121	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 42)	RECEPTACLES (PROCESS RM WEST)	GFCI RECEPTACLES
P122	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 27, 29)	RECEPTACLE (PROCESS RM 208V)	GFCI RECEPTACLE
P123	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 31, 33)	RECEPTACLE (POOL DECK 208V SOUTH)	GFCI RECEPTACLE
P124	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 30, 32)	RECEPTACLE (POOL DECK 208V NORTH)	GFCI RECEPTACLE
P125	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 34)	RECEPTACLES (STORAGE RM)	GFCI RECEPTACLES
P126	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 36)	RECEPTACLES (PUMP AREA)	GFCI RECEPTACLES

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED

Under SCMC Titles
18, 19, 20, 21, 24, 25

Sep 16, 2025

F. Svendsen



BLD25-00576 (ARCH)

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PACE
Advanced Water Engineering

17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
P: (714) 481-7300 | www.pacewater.com

DESIGNED BY: F. Svendsen	09/30/2025	EXECUTION DATE
PAI-DESIGN		
DESIGNED BY: F. Svendsen	09/30/2025	EXECUTION DATE
PAI-CONSTRUCTION		

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY ENGINEER, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS, IN EXERCISE OF THE DISCRETION DELEGATED TO THEM BY THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME TO APPROVE THE PLAN OR DESIGN, OR AN IMPROVEMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY: ZIRANG SONG	PROJECT ENGINEER	DATE: 09/29/25
R.C.E. NO. 06073	DATE: 09/29/25	
EXP. 06		
DRAWN: J.P.	DESIGNED: J.P.	CHECKED: Z.S.

TITLE

**NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)**

SANTA CLARITA CA

C258	SHEET	E5.0	49 OF 60 SHEETS
JOB NO.	C258		

POWER CONDUIT WIRE SCHEDULE						
CONDUIT		WIRE*		FROM	TO	REMARKS
NO.	SIZE	POWER	GROUND			
P127	3/4"	4 - #10	2 - #10	PANEL-PMP (CKTS. 9, 11)	JB-P127	FOR EXIST POOL DECK POST LT RECEP 1, 2, 3, 4
P127A	3/4"	4 - #12	2 - #12	LIGHTING CONTROL PANEL (LCP-A)	JB-P127	FOR POOL DECK POST LTS 1, 2, 3, 4
P128	3/4"	2 - #12	1 - #12	LIGHTING CONTROL PANEL (LCP-A)	JB-P128	FOR EXIST POOL LT 1
P129	1"	4 - #10, 4 - #12	2 - #10, 2 - #12	LIGHTING CONTROL PANEL (LCP-A)	JB-P129	FOR EXIST POOL LTS 2, 3, 4, 5
P130	1"	2 - #10	1 - #10	PANEL-PMP (CKT. 18)	JB-P130	FOR EXIST SUMP PUMP
P131	3/4"	2 - #12	1 - #10	PANEL-PMP (CKT. 8)	MOTOR STARTER - PRESSURE SUSTAINING PUMP	
P131A	3/4"	2 - #12	1 - #10	MOTOR STARTER - PRESSURE SUSTAINING PUMP	PRESSURE SUSTAINING PUMP	
P132	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 43)	MOTOR STARTER - CHEM RM (WEST) EXHAUST FAN	
P132A	3/4"	2 - #12	1 - #12	MOTOR STARTER - CHEM RM (WEST) EXHAUST FAN	CHEM RM (WEST) EXHAUST FAN	
P133	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 45)	MOTOR STARTER - CHEM RM (WEST-CTR) EXHAUST FAN	
P133A	3/4"	2 - #12	1 - #12	MOTOR STARTER - CHEM RM (WEST-CTR) EXHAUST FAN	CHEM RM (WEST-CTR) EXHAUST FAN	
P134	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 47)	MOTOR STARTER - CHEM RM (CENTER) EXHAUST FAN	
P134A	3/4"	2 - #12	1 - #12	MOTOR STARTER - CHEM RM (CENTER) EXHAUST FAN	CHEM RM (CENTER) EXHAUST FAN	
P135	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 49)	MOTOR STARTER - CHEM RM (EAST-CTR) EXHAUST FAN	
P135A	3/4"	2 - #12	1 - #12	MOTOR STARTER - CHEM RM (EAST-CTR) EXHAUST FAN	CHEM RM (EAST-CTR) EXHAUST FAN	
P136	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 46)	MOTOR STARTER - PROCESS RM EXHAUST FAN	
P136A	3/4"	2 - #12	1 - #12	MOTOR STARTER - PROCESS RM EXHAUST FAN	PROCESS RM EXHAUST FAN	
P137	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 48)	MOTOR STARTER - STORAGE RM EXHAUST FAN	
P137A	3/4"	2 - #12	1 - #12	MOTOR STARTER - STORAGE RM EXHAUST FAN	STORAGE RM EXHAUST FAN	
P138	3/4"	2 - #12	1 - #12	PUMP CONTROL PANEL	FLOW TRANSMITTER	24 VDC POWER
P139	3/4"	2 - #12	1 - #12	PUMP CONTROL PANEL	SOLENOID FILL VALVE	
P140	3/4"	2 - #12	1 - #12	PANEL-PMP (CKT. 54)	MOTOR STARTER - EMERG EYEWASH/SHOWER EXHAUST FAN	
P140A	3/4"	2 - #12	1 - #12	MOTOR STARTER - EMERG EYEWASH/SHOWER EXHAUST FAN	EMERG EYEWASH/SHOWER EXHAUST FAN	

CONTROL CONDUIT WIRE SCHEDULE					
CONDUIT		WIRE*	FROM	TO	REMARKS
NO.	SIZE	CONTROL			
C001	SEE NOTE 1	1 - FACT. CBL.	FLOW TRANSMITTER	FLOW SENSOR	
C002	3/4"	1 - #18 TSP	PLC	PRESSURE TRANSDUCER	PLC INSIDE PUMP CONTROL PANEL
C003	3/4"	1 - #18 TSP	PLC	LEVEL TRANSDUCER	PLC INSIDE PUMP CONTROL PANEL
C004	3/4"	2 - #14	PLC	EYEWASH FLOW SWITCH	PLC INSIDE PUMP CONTROL PANEL

NOTES:

1. SIZE OF FACTORY CABLE IS UNKNOWN. CONTRACTOR TO SIZE CONDUIT PER NEC REQUIREMENTS.

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
Under SCMAC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)



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REVISIONS:
DATE: 09/30/2025
BY: [Signature]
PML-DESIGN

REVISIONS:
DATE: 09/30/2025
BY: [Signature]
PML-CONSTRUCTION

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY ENGINEER, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS, IN CONFORMANCE WITH THE CITY ENGINEER, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS, CODE SECTION 83A.6, FOR THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY:
ZIRANG SONG
PROJECT ENGINEER
R.C.E. NO. -- # 69315
EXP. 06/30/2026

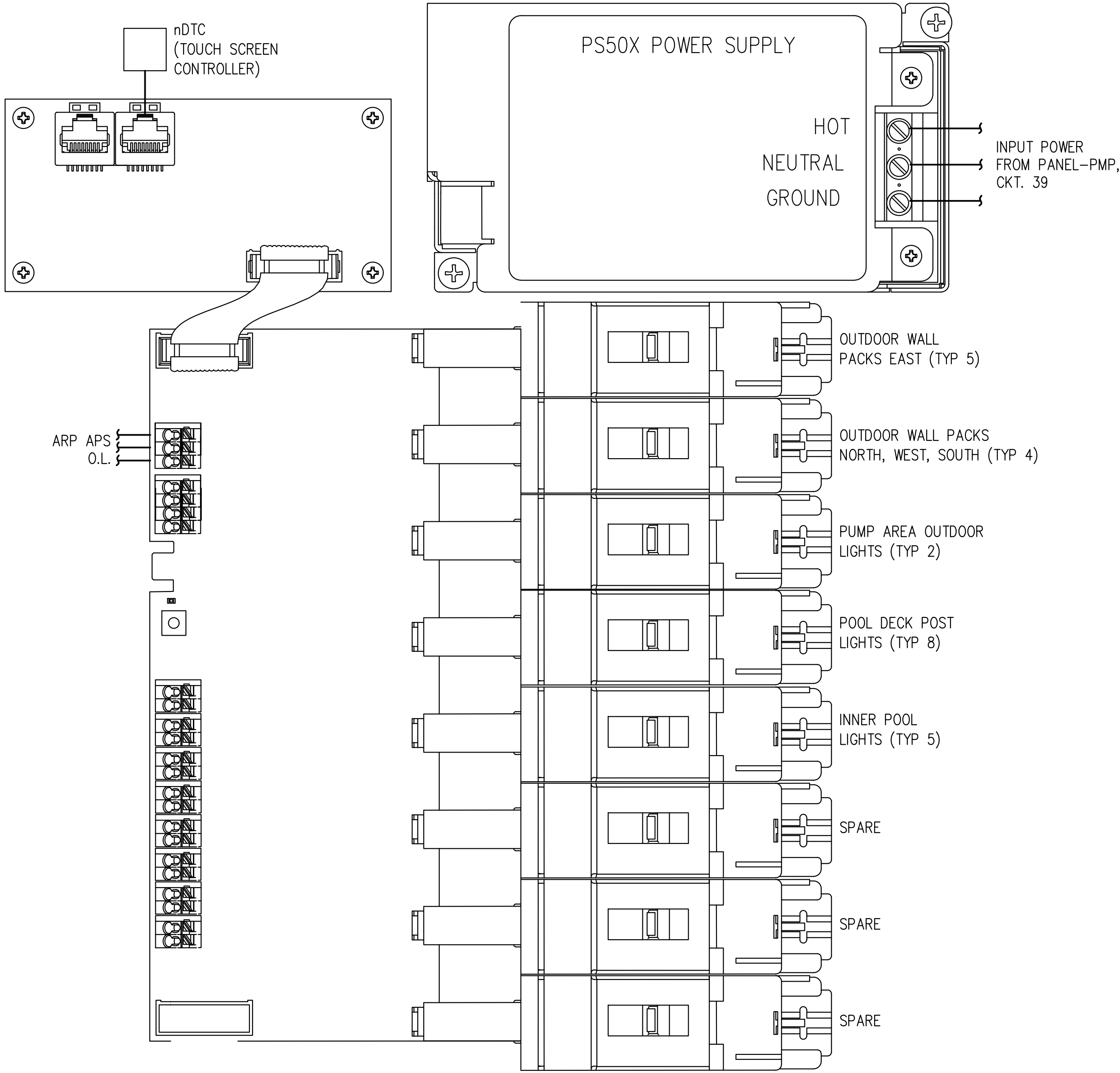
DRAWN:
J/P
DESIGNED:
J/P
CHECKED:
Z/S

SCALE:
DATE:
09/29/2025

TITLE
NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

C258
SHEET
E5.1
51 OF 60 SHEETS
JOB NO. C258

R:\C258\Engineering\C258-04 (100% CD)\sheets\C258-04 E5.0.dwg - Tab: 51 - by: jenderghast on 09/29/25 at 3:53:46 PM



**LIGHTING CONTROL PANEL WIRING SCHEMATIC
AND PANEL LAYOUT (120 VAC) FOR OUTDOOR LIGHTING**
NTS

CONSTRUCTION NOTES

- 1 OUTDOOR LIGHTING CONTROL PANEL (LCP-A), 120-277 VAC, 1PH, 8 RELAYS, DIGITAL TIME CLOCK, ANALOG PHOTOSENSOR (WIRED TO PANEL MTD. OUTDOOR), NEMA 4X, PANEL DIMS: 14.41"H x 14.41"W x 4.05"D, MFR: ACUITY BRANDS, PN ARP INTENC08 NLT-8FCR-MVOLT-SC-SM-DTC-ARPA APS OL (OR APPROVED EQUAL).

CITY OF SANTA CLARITA
BUILDING & SAFETY

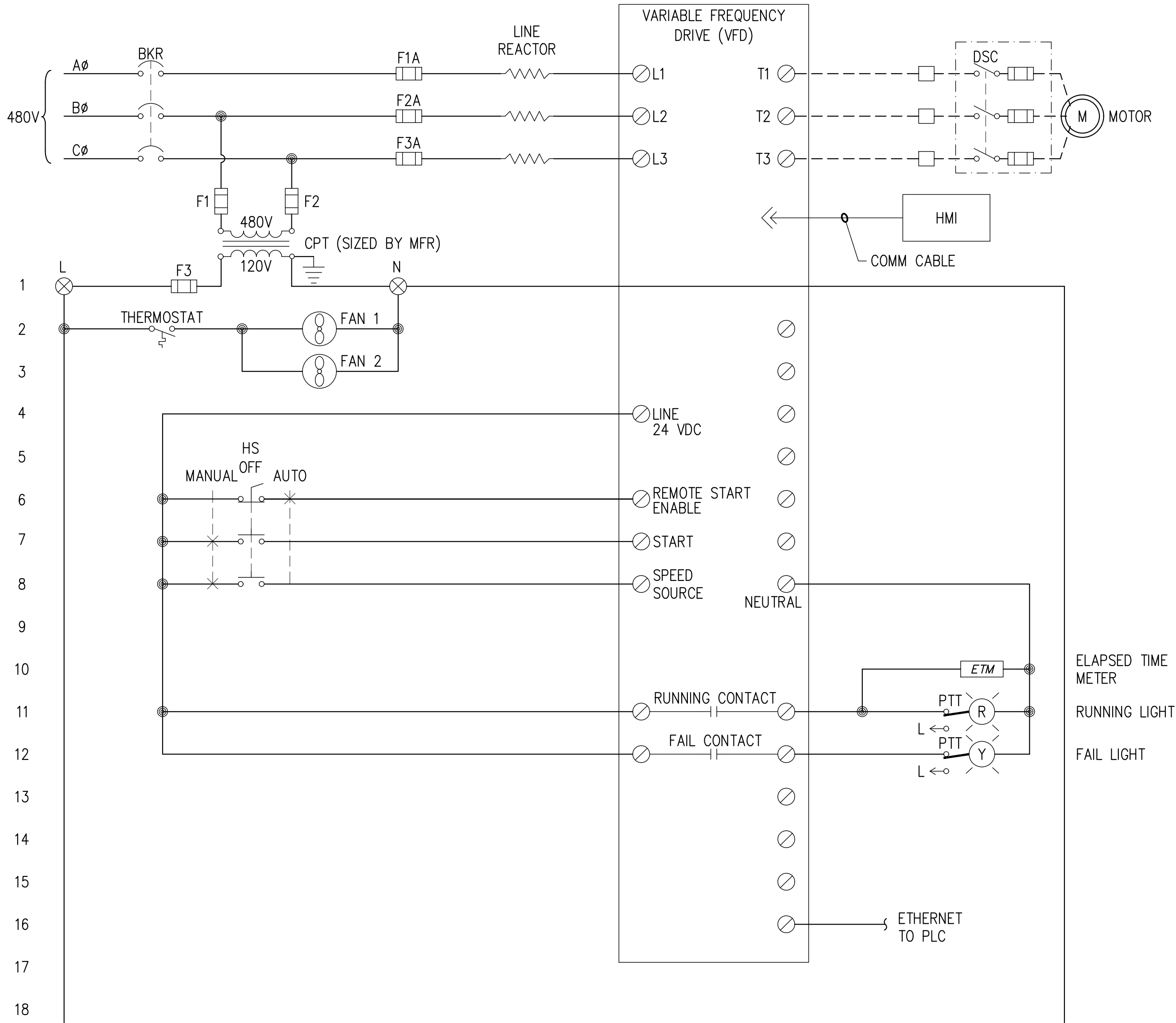
APPROVED
Under SCMC Titles
18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)
The approved plans must be available at the construction site at all times. Changes or alterations to approved plans shall not be made without written permission from the City of Santa Clarita Building & Safety Division. The approval of these plans shall not be construed to permit or approve any violation of the applicable codes, ordinances, or other laws.



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C258 SHEET	NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD) SANTA CLARITA CA	F6.0 51 OF 60 SHEETS	JOB NO. C258	DATE: 09/30/2025 EXECUTION DATE
				DATE: 09/30/2025 EXECUTION DATE
IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY ENGINEER, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS HEREBY APPROVE THE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.				



VERTICAL TURBINE POOL PUMP
CONTROL SCHEMATIC
NTS

- LEGEND:
- ⊗ TERMINAL IN PLC
 - ⊙ TERMINAL ON VFD
 - TERMINAL IN FIELD

CITY OF SANTA CLARITA
BUILDING & SAFETY

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**ELEMENTARY
CONTROL DIAGRAM II**

**NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)**

SANTA CLARITA

CA

JOB NO.

C258

PREPARED BY
ZIRANG SONG
PROJECT ENGINEER
R.C.E. NO. -- # 69315
EXP. 06/30/2026

DRAWN
J/P
DESIGNED
J/P
CHECKED
Z/S

SCALE

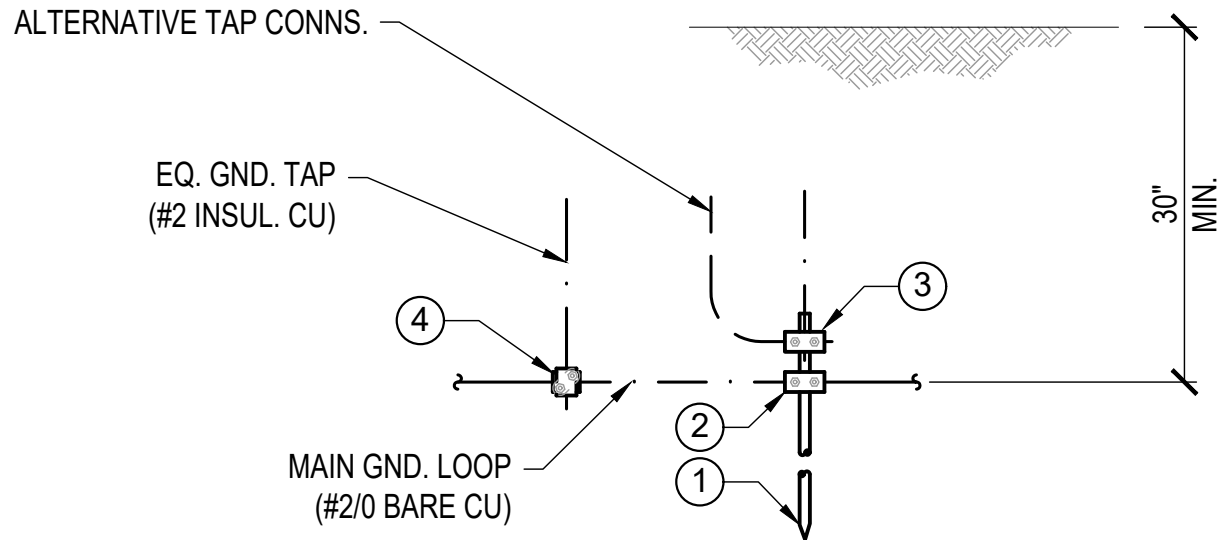
DATE
03/2025



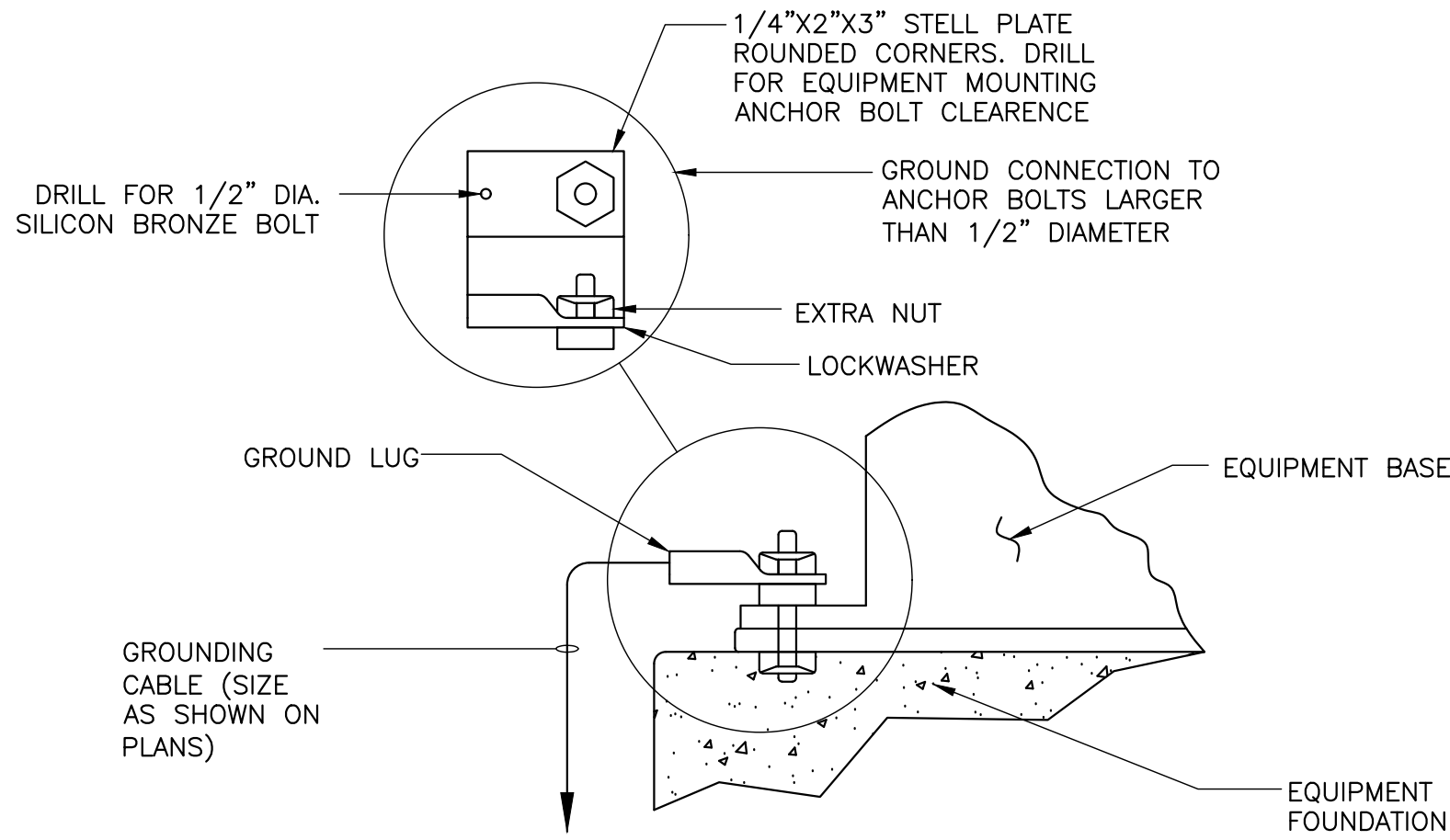
IN ACCORDANCE WITH RESOLUTION NO. 18-16, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.

REVIEWER:
LAWYER
DATE: 09/30/2025
EXECUTION DATE

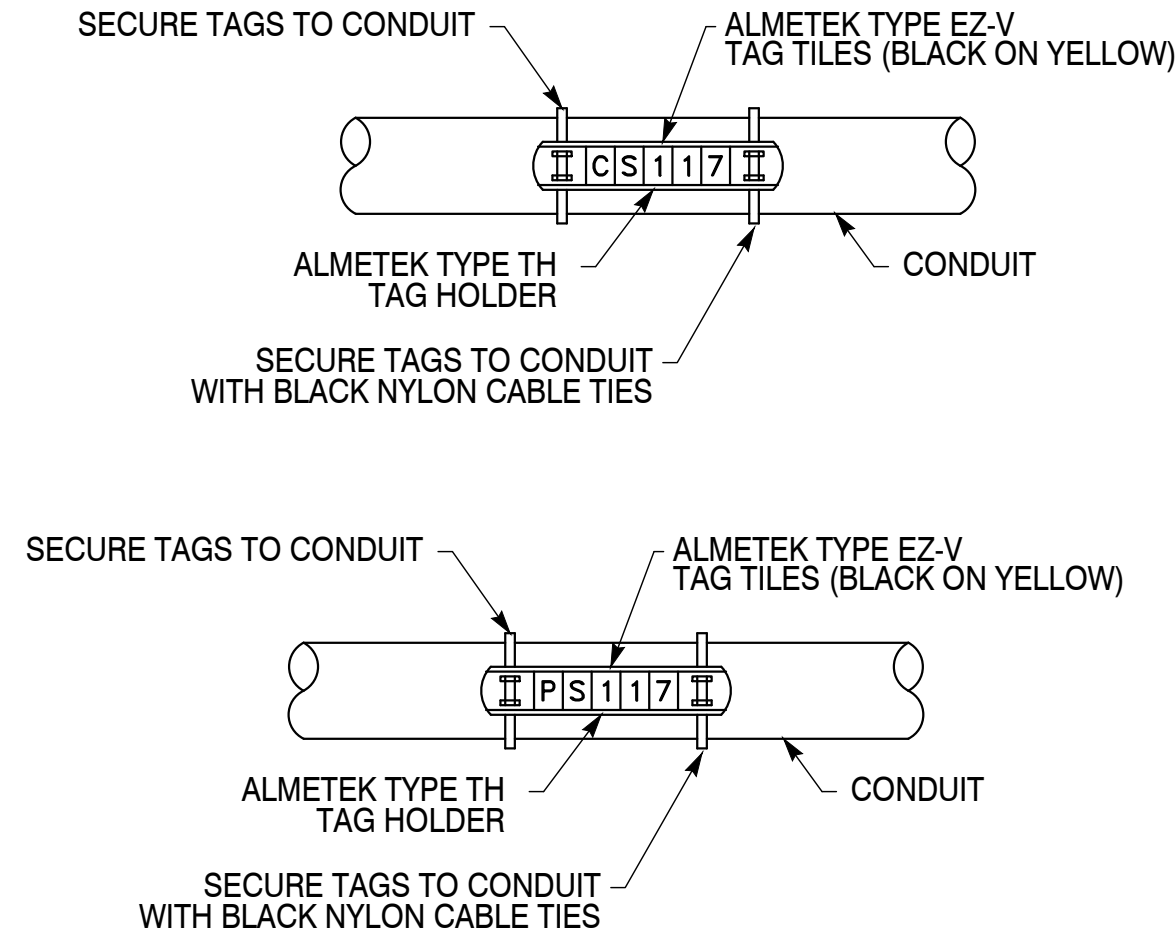
REVIEWER:
LAWYER
DATE: 09/30/2025
EXECUTION DATE



BILL OF MATERIALS		
NO.	DESCRIPTION	QTY
1	GROUND ROD, 3/4" DIA. x 10', COPPER-CLAD STEEL	1
2	GROUND ROD CONNECTOR (5/8"-3/4", 2/0 SOL-250) BURNDY #GAR6429 OR EQUAL	1
3	GROUND ROD CONNECTOR (5/8"-3/4", #4 SOL-2/0) BURNDY #GAR6426 OR EQUAL	1
4	GROUND CABLE CONNECTOR (#2/0-250 TO #4-#2/0) BURNDY #GX2926 OR EQUAL	1



NOTE:
GROUND LUG SHALL BE BOLTED TO THE ANCHOR WITH A SECOND NUT AND LOCKWASHER. WHEN THE ANCHOR BOLT IS TOO LARGE FOR THE GROUND LUG A STEEL PLATE SHALL BE PROVIDED. DRILLED FOR ANCHOR BOLT CLEARANCE AND INSTALLED AS SHOWN WITH GROUND CONNECTOR BOLTED TO THE STEEL PLATE WITH 1/2" SILICONE BRONZE BOLT NUT AND FLAT WASHER.



GROUND ROD INSTALLATION DETAIL

NTS

A

EQUIPMENT GROUNDING DETAIL

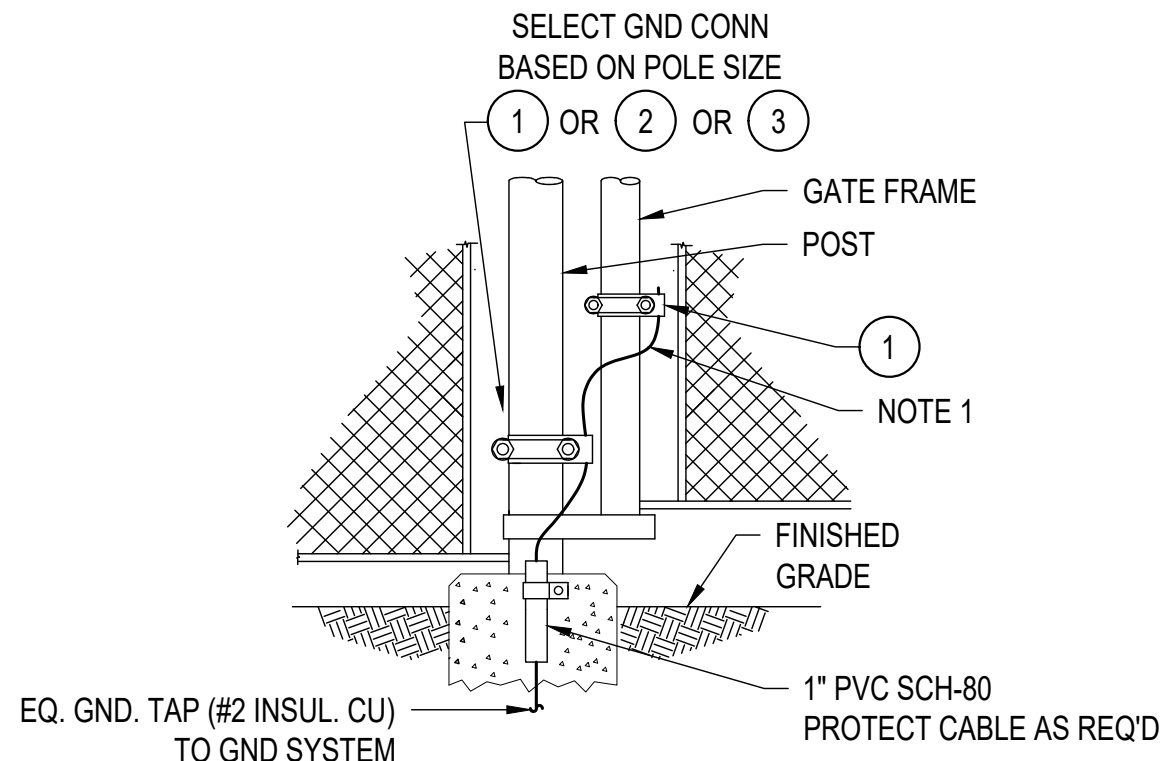
NTS

B

CONDUIT LABELING DETAIL

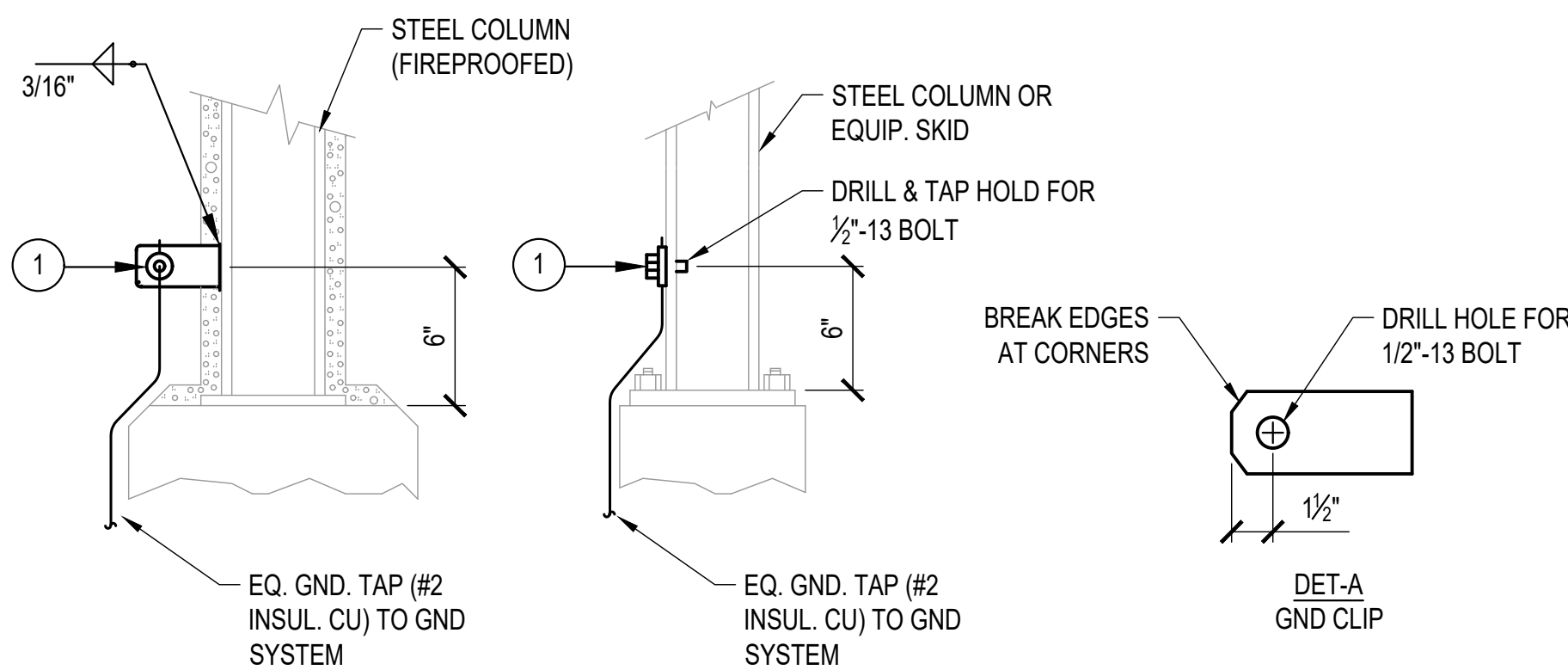
NTS

C

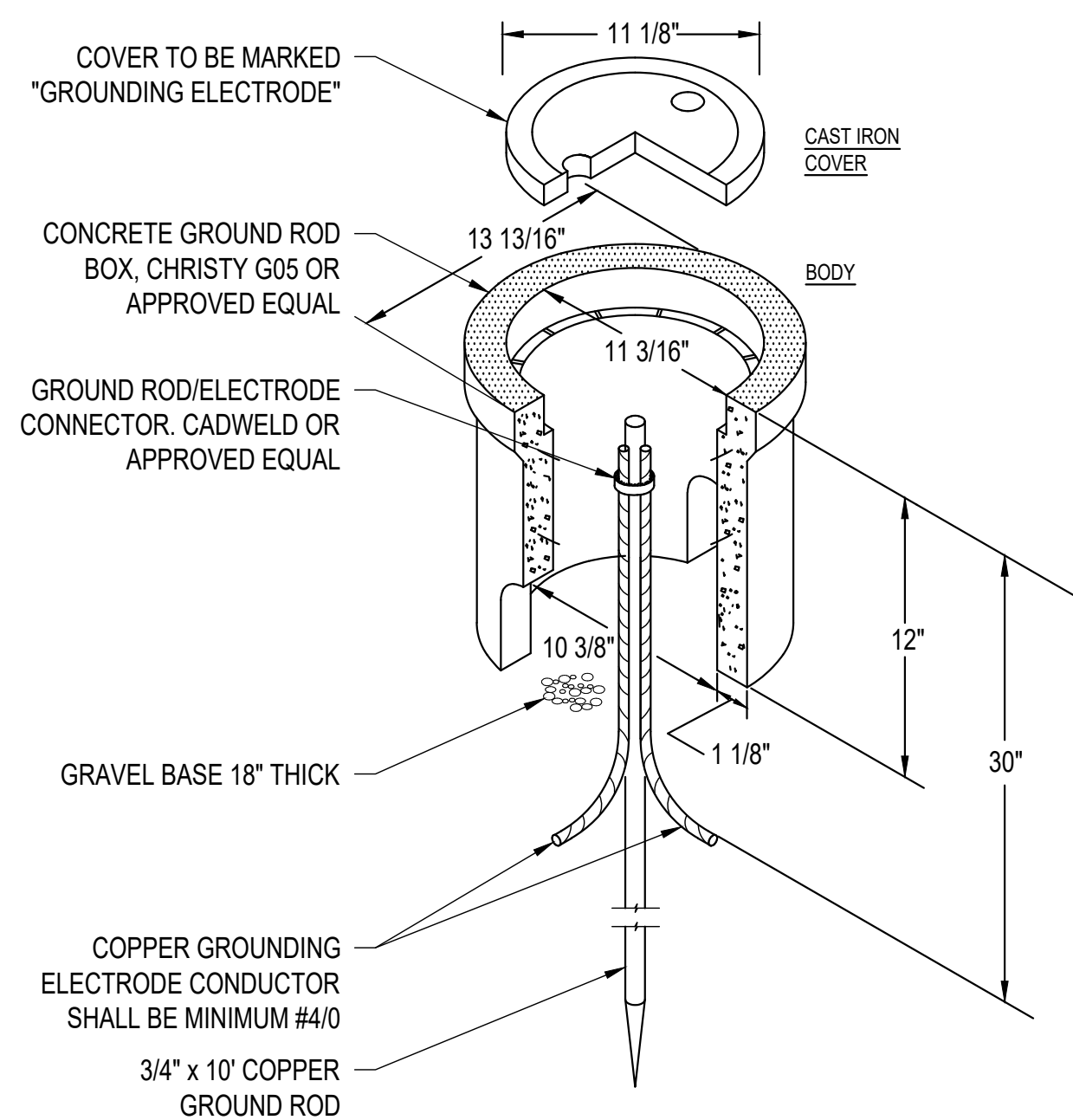


- NOTES:
1. LEAVE SUFFICIENT SLACK IN CABLE FOR GATE SWING.

BILL OF MATERIALS		
NO.	DESCRIPTION	QTY
1	GROUND CONNECTOR, 1/C (1.25-2", #4-#4/0) BURNDY #GAR3903 OR EQUAL	1
2	GROUND CONNECTOR, 1/C (2.5-3.5", #4-#4/0) BURNDY #GAR3904 OR EQUAL	1
3	GROUND CONNECTOR, 1/C (6", #4-#4/0) BURNDY #GAR3906 OR EQUAL	1



BILL OF MATERIALS		
NO.	DESCRIPTION	QTY
1	SERVIT POST CONNECTOR, 2/C, 1/2"-13 LONG STUD, #2-#2/0 W/ NUT & LOCKWASHER, BURNDY#K2C25B1	1
2	GROUND CLIP, MILD STEEL, 5" x 3" x 1/4" FIELD FABRICATE - SEE DET-A	1



GROUND TO FENCE DETAIL

NTS

D

EQUIPMENT STEEL/COLUMN GROUNDING DETAIL

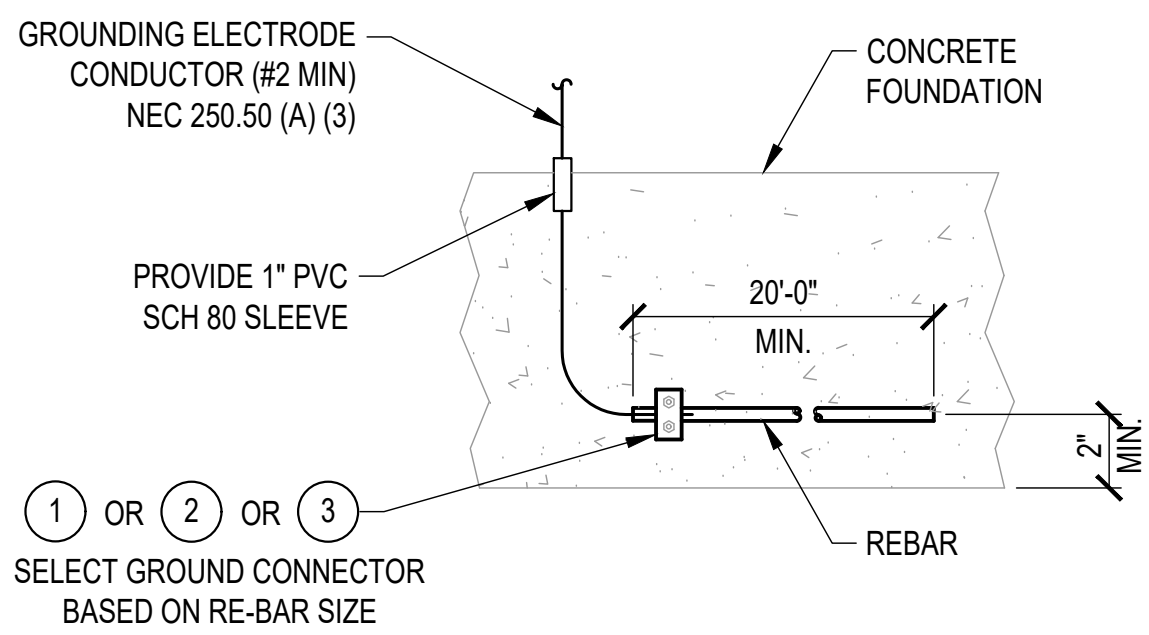
NTS

E

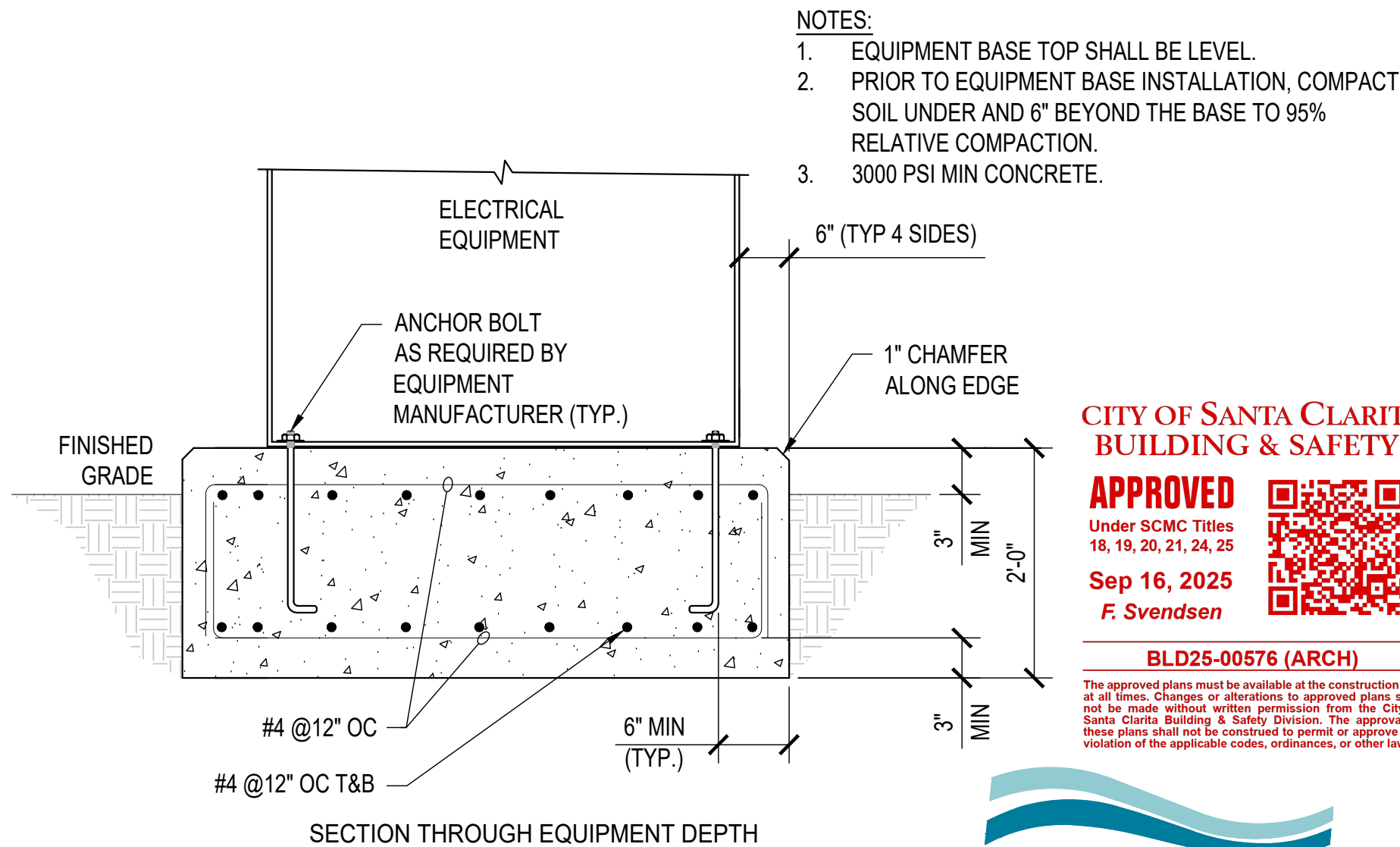
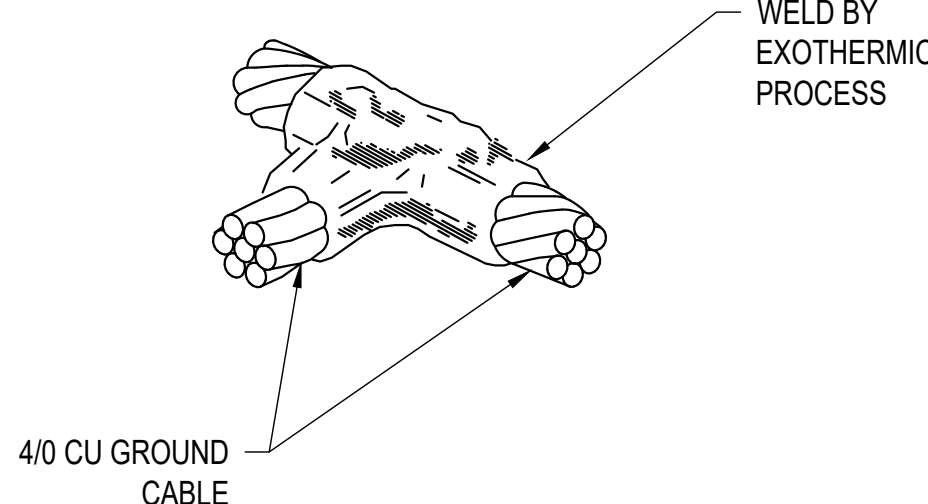
CONCRETE GROUND ROD INSPECTION DETAIL

NTS

F



BILL OF MATERIALS		
NO.	DESCRIPTION	QTY
1	#4 RE-BAR, 1/2" DIA. - USE GND. CONN. BURNDY #GAR1126 OR EQUAL	1
2	#5 OR #6 RE-BAR, 5/8" or 3/4" DIA. - USE GND. CONN. BURNDY #GAR6426 OR EQUAL	1
3	#7 OR #8 RE-BAR, 7/8" or 1" DIA. - USE GND. CONN. BURNDY #GAR1426 OR EQUAL	1



- NOTES:
1. EQUIPMENT BASE TOP SHALL BE LEVEL.
 2. PRIOR TO EQUIPMENT BASE INSTALLATION, COMPACT SOIL UNDER AND 6" BEYOND THE BASE TO 95% RELATIVE COMPACTION.
 3. 3000 PSI MIN CONCRETE.



GROUND BOND TO REBAR DETAIL

NTS

G

GROUND RING CONNECTION DETAIL

NTS

H

TYPICAL EQUIPMENT PAD DETAIL

NTS

J

REVIEWED BY:	09/30/2025
DATE:	EXECUTION DATE
PREPARED BY:	09/30/2025
DATE:	EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-15, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY:	PROJECT ENGINEER	SCALE:	DATE:
ZIRANG SONG	# 69315		09/29/25
EXP. 06/30/2026			
DRAWN:	DESIGNED:	CHECKED:	
J/P		Z/S	

ELECTRICAL DETAILS

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

C258	SHEET	E7.0	54 OF 60 SHEETS
JOB NO.	C258		

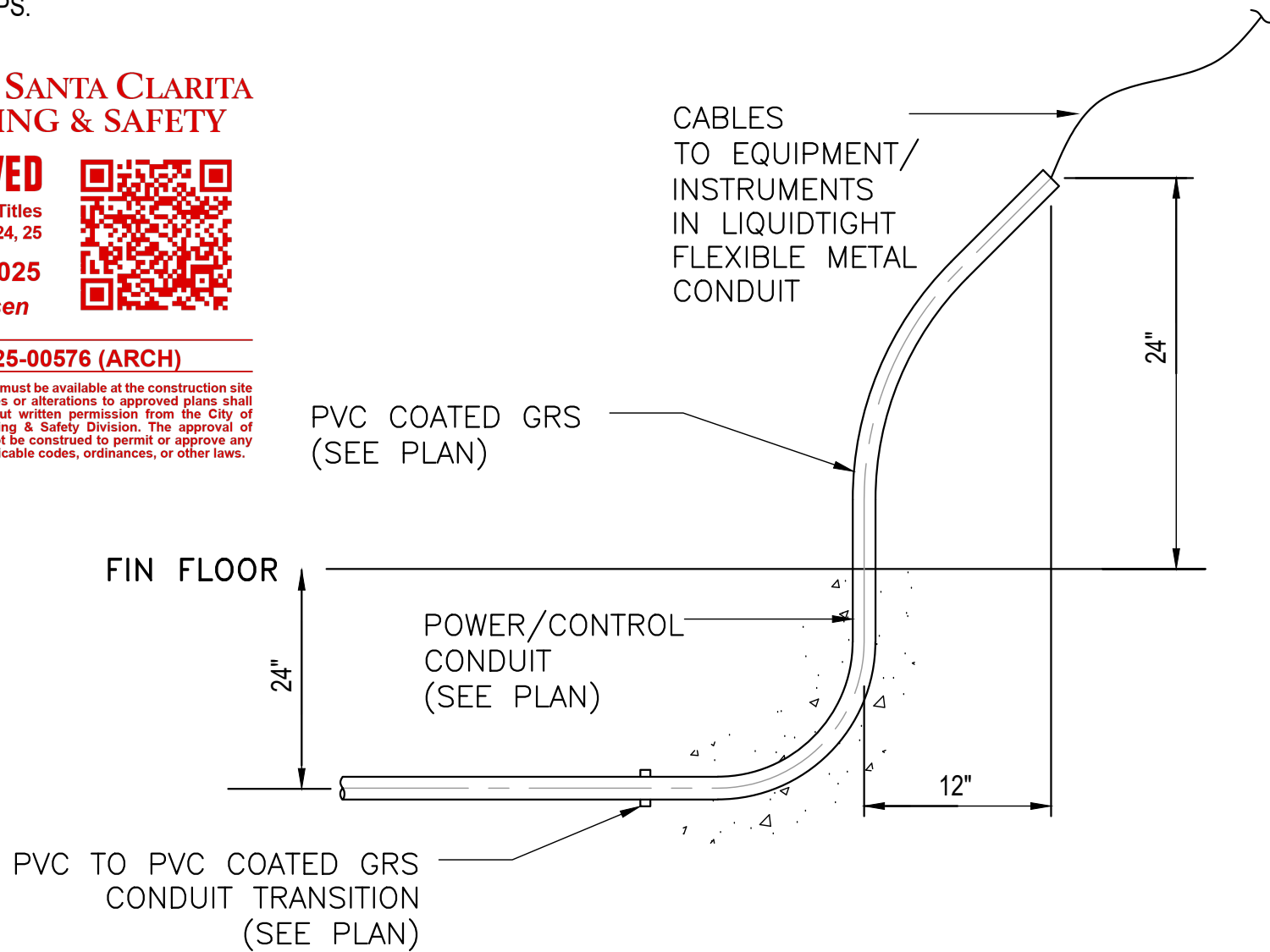
- NOTES:
1. PROVIDE CONCRETE ENCASEMENT FOR CONDUITS UNDERGROUND.
 2. PROVIDE APPROXIMATELY 18" SEPARATION FROM CONTROL AND POWER CONDUIT STUB-UPS.

CITY OF SANTA CLARITA
BUILDING & SAFETY

APPROVED
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18, 19, 20, 21, 24, 25
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F. Svendsen

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TYPICAL CONDUIT STUB UP DETAIL

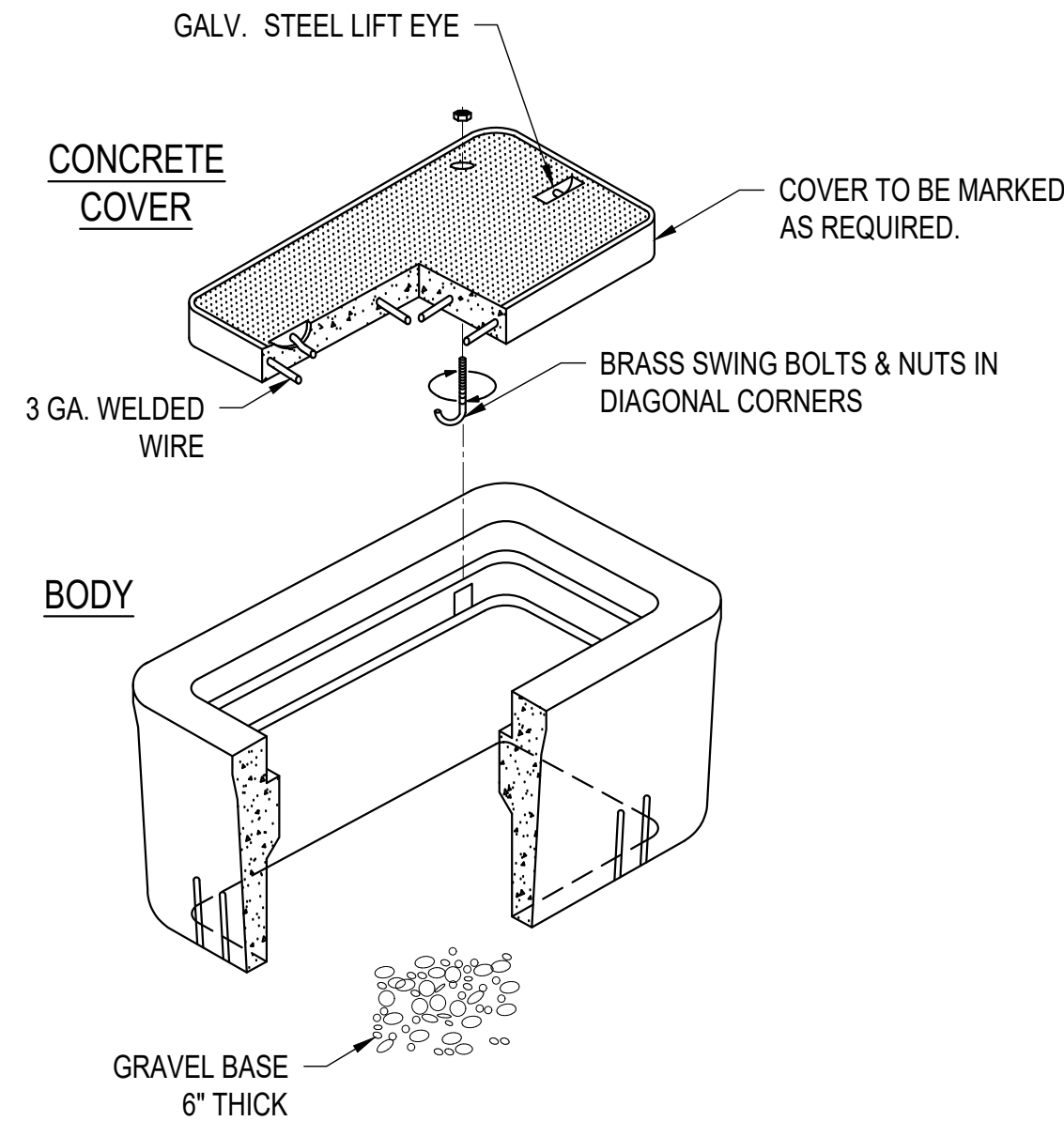
NTS

TYPICAL CONDUIT STUB-UP DETAIL FOR FUTURE INSTALLATIONS

NTS

TYPICAL CONDUIT TRANSITION DETAIL

NTS



- NOTES:
1. CONCRETE PULLBOX, CHRISTY, JENSEN OR APPROVED EQUIVALENT. PULLBOX TO BE APPROPRIATE SIZE FOR NUMBER AND SIZE OF CONDUITS ENTERING AND EXITING. PROVIDE EXTENSIONS AS REQUIRED FOR DEPTH.
 2. IN UNPAVED AREAS, PROVIDE CONCRETE COLLAR AROUND PULLBOX, 6" MIN. WIDE BY 6" MIN. DEEP.
 3. ALL CONDUITS WITHIN THE PULLBOX ARE TO BE SEALED WITH RTV DUCT SEAL TO PREVENT WATER ENTERING CONDUIT SYSTEM.
 4. ALL CONDUCTORS AND CABLES ARE TO BE GROUPED AND WIRE TIED EVERY 6" PER CONDUIT FILL.
 5. ALL SPLICES WITHIN THE PULLBOX ARE TO BE SEALED WITH AN INSULATING AND ENCAPSULATING RESIN PACK, SCOTCHCAST 4 OR EQUAL

CONCRETE PULLBOX DETAIL

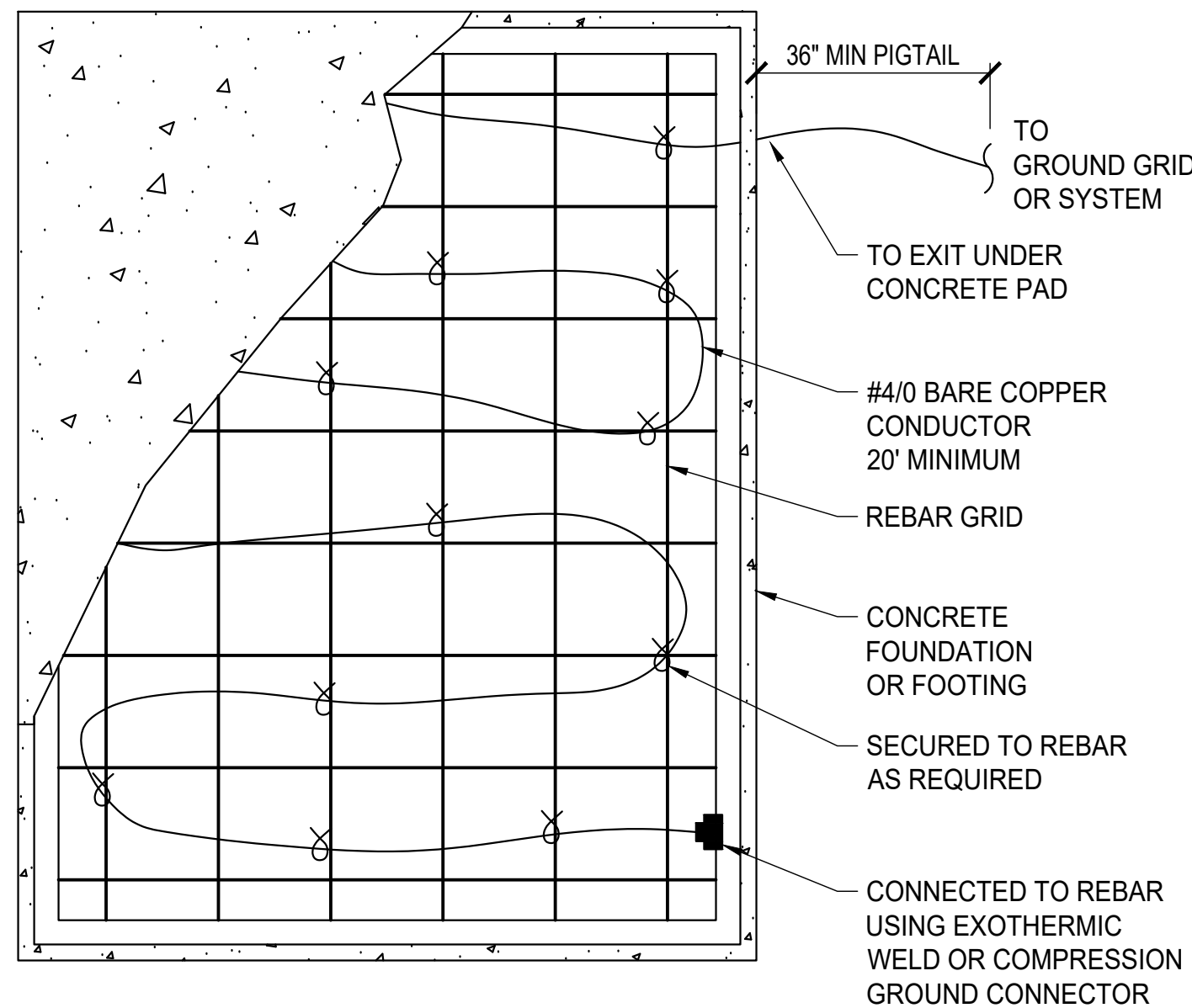
NTS

GROUNDING BUS BAR DETAIL

NTS

DISCONNECT SWITCH/J-BOX DETAIL

NTS

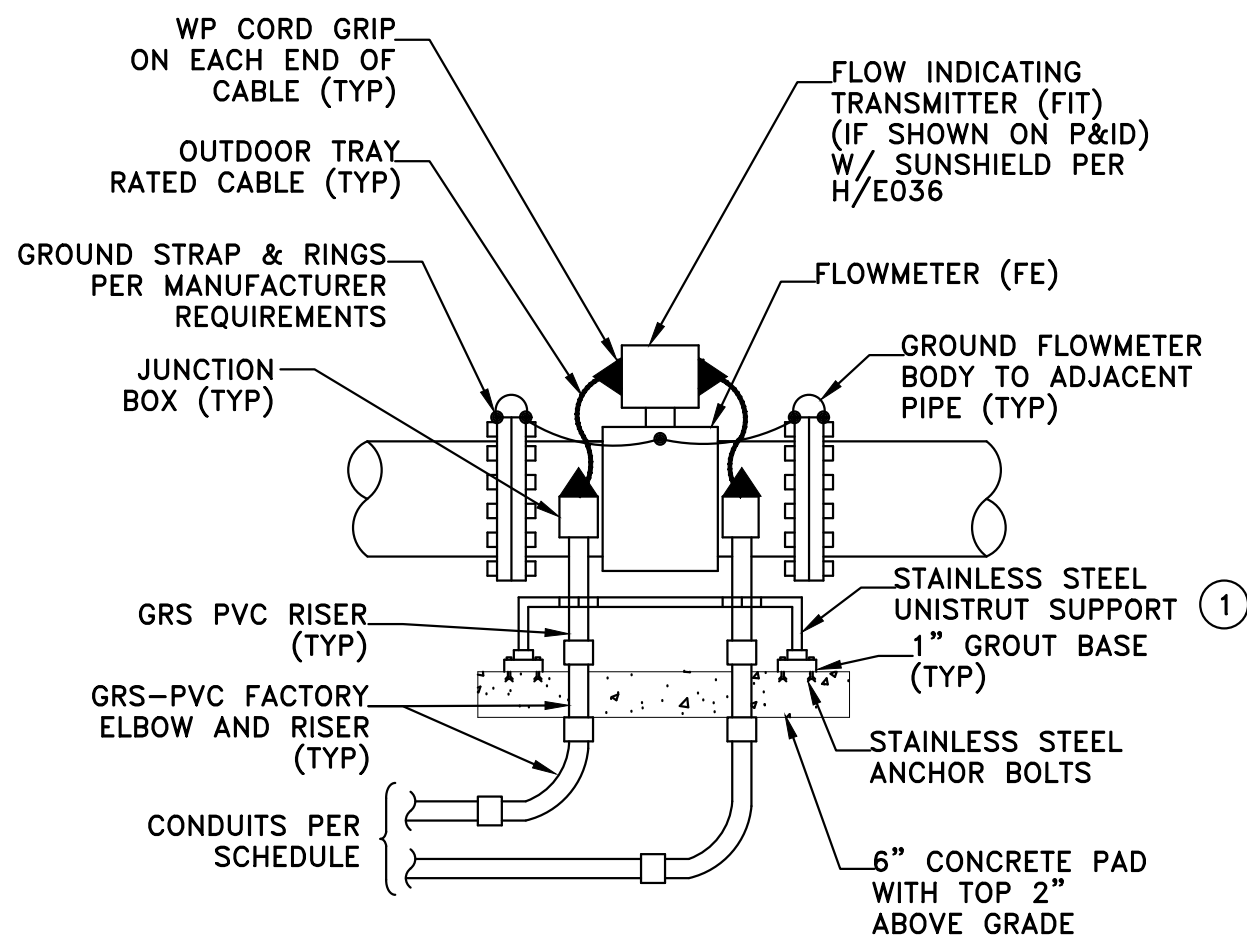


"UFER" GROUNDING DETAIL

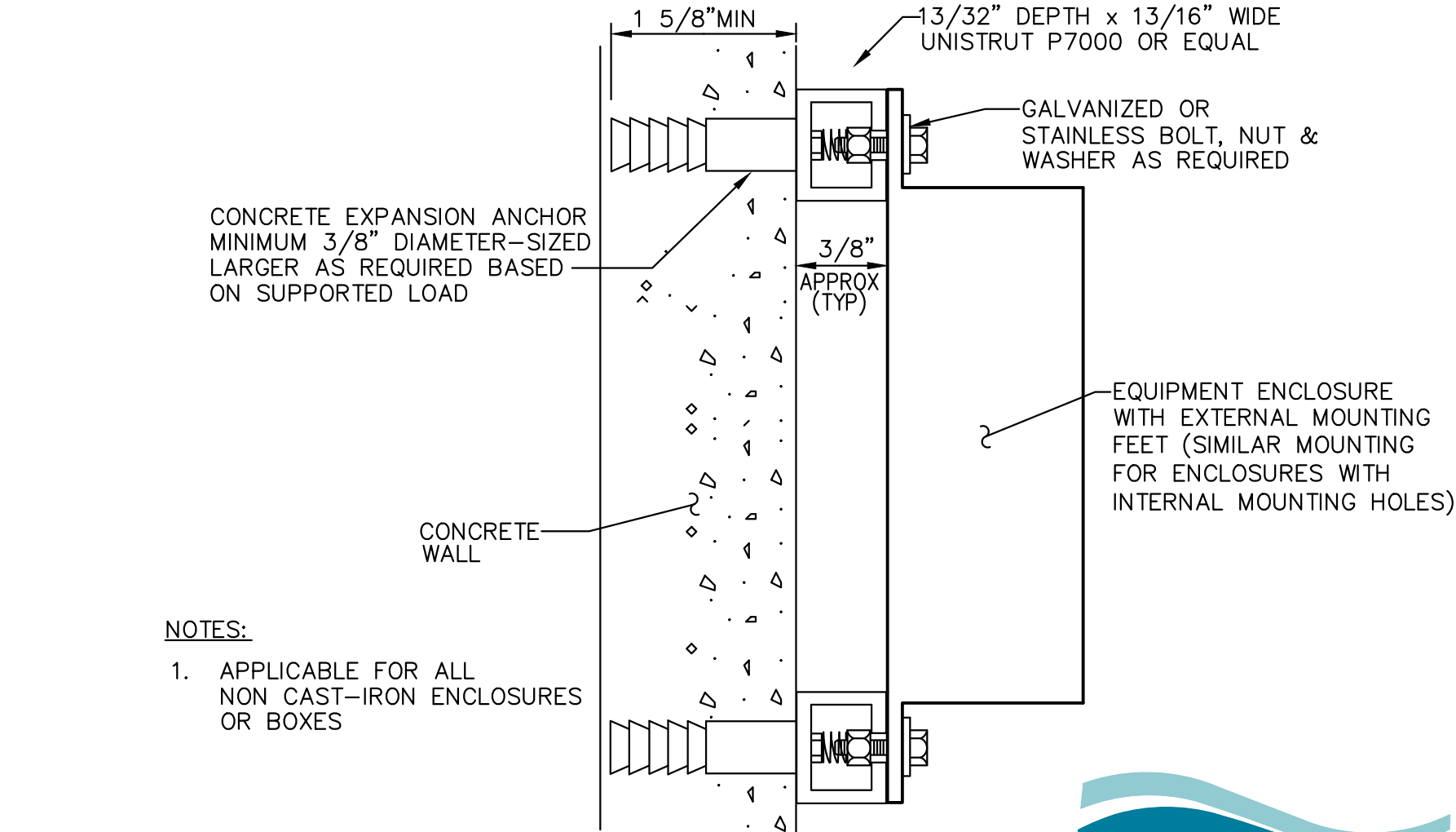
NTS

FLOW METER GROUNDING DETAIL

NTS



- NOTES:
1. SUPPORT WITH TWO HOLE BASE ON EACH SIDE AND HEIGHT OF HORIZONTAL UNISTRUT SUPPORT TO BE 12" MINIMUM.



- NOTES:
1. APPLICABLE FOR ALL NON CAST-IRON ENCLOSURES OR BOXES

EQUIPMENT ENCLOSURE MOUNTING ON CONCRETE WALL DETAIL

NTS

REVISION:	09/30/2025
DATE:	09/30/2025
BY:	09/30/2025
FOR:	09/30/2025

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED.



PREPARED BY:	ZIRANG SONG
PROJECT ENGINEER:	R.C.E. NO. -- # 69315
EXP.:	06/30/2026
DRAWN:	J.P.
DESIGNED:	J.P.
CHECKED:	Z.S.
DATE:	09/29/2025

TITLE
ELECTRICAL DETAILS
II

NEWHALL PARK POOL
PUMP ROOM RENOVATION
PLANS (100% CD)
SANTA CLARITA
CA

C258
SHEET
E7.1
55 OF 60 SHEETS
JOB NO. C258



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P: (714) 481-7300 | www.pacewater.com

NOTES: 1. CONDUIT PLACEMENT/SPACING IN THE CMU WALL SHALL BE DONE IN A MANNER THAT DOES NOT AFFECT THE STRUCTURAL INTEGRITY OF THE WALL AND MAINTAINS COMPLIANCE WITH BUILDING STRUCTURAL CODES. 2. BOXES IN CONDITIONED AREAS SHALL BE FLUSH WITH THE WALL AND INSTALLED PER NEC 314.19 AND 314.20. 3. CONDUITS CONCEALED IN CMU WALLS SHALL BE PVC SCH. 40, MINIMUM SIZE 3/4", AND ENCASED IN CONCRETE.			REVISION: 09/30/2025 LAU, BRYAN L PM-DESIGN REVISION: 09/30/2025 LAU, BRYAN L PM-CONSTRUCTION IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS, TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, I HEREBY APPROVE THE CONSTRUCTION OF THE ABOVE PROJECT AND I HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN, OR AN AMENDMENT OR MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, MY SIGNATURE AND DATE IS AFFIXED. PREPARED BY ZIRANG SONG PROJECT ENGINEER R.C.E. NO. -- # 69315 EXP. 06/30/2026 DRAWN J/P DESIGNED J/P CHECKED Z/S DATE 09/29/2025
CONDUITS/OUTLETS IN MASONRY WALL DETAIL NTS A	CONDUIT SUPPORT DETAIL NTS B NOTE: 1. FLANGED TYPE CONDUIT PENETRATION SEALANT SHALL BE USED WHERE INDICATED ON THE PLANS.	VERTICAL MOTOR CONNECTION DETAIL NTS C	PREPARED BY ZIRANG SONG PROJECT ENGINEER R.C.E. NO. -- # 69315 EXP. 06/30/2026 DRAWN J/P DESIGNED J/P CHECKED Z/S DATE 09/29/2025
MASONRY WALL CONDUIT PENETRATION - ABOVE GROUND NTS D NOT USED G	CONDUIT PENETRATION THROUGH WALL - FLANGE TYPE NTS E NOT USED H	NOT USED J	TITLE ELECTRICAL DETAILS III C258 NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD) SANTA CLARITA CA SHEET E7.2 56 OF 60 SHEETS JOB NO. C258

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Indoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: C258 Newhall Park

Report Page: (Page 1 of 8)

Project Address: 24923 Newhall Ave, Santa Clarita, CA 91321

Date Prepared: 2025-05-05T12:36:39-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Santa Clarita, CA	04	Total Conditioned Floor Area (ft ²)	0
02	Climate Zone	9	05	Total Unconditioned Floor Area (ft ²)	1,132.21
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
• Commercial Industrial					

B. PROJECT SCOPE

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

Scope of Work		Conditioned Spaces		Unconditioned Spaces					
01		02		03		04		05	
My Project Consists of (check all that apply):		Calculation Method		Area (ft ²)		Calculation Method		Area (ft ²)	
☒ New Lighting System		N/A		0		Area Category Method		1132.21	
☐ New Lighting System - Parking Garage		N/A		0		N/A		0	
Total Area of Work (ft ²)								1132.21	

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: 2022.0.000
Schema Version: rev 20220101

Documentation Software: Energy Code Ace

Compliance ID: 223835-0525-0008
Report Generated: 2025-05-05 09:36:42

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Indoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: C258 Newhall Park

Report Page: (Page 2 of 8)

Date Prepared: 2025-05-05T12:36:39-04:00

C. COMPLIANCE RESULTS

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

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)					Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)			Compliance Results	
	01	02	03	04	05	06	07	08		
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	Total Allowed (Watts)	Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	Total Adjusted (Watts) *Includes Adjustments		
(See Table I)	(See Table I)	(See Table J)	(See Table K)		(See Table F)	(See Table P)				
Conditioned				=		≥		=		
Unconditioned		603.97			=	603.97	≥	555	=	555
Controls Compliance (See Table H for Details)									COMPLIES	
Rated Power Reduction Compliance (See Table Q for Details)									COMPLIES	

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: 2022.0.000
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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Indoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: C258 Newhall Park

Report Page: (Page 3 of 8)

Date Prepared: 2025-05-05T12:36:39-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ¹	Watts per luminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
Linear Washdown 2 FT	RAB Shark 2 FT, 120V, 25W	No	NA	25	Mfr. Spec	5	No	125	☐	☐
Linear Washdown 4 FT	RAB Shark 4 FT, 120V, 50W	No	NA	50	Mfr. Spec	3	No	150	☐	☐
Linear Washdown 8 FT	RAB Shark 8 FT, 120V, 70W	No	NA	70	Mfr. Spec	4	No	280	☐	☐
Egress Sign	Exit Sign with Integrated Lights, 120V, 20W	No	NA	20	Mfr. Spec	2	Exempt	---	☐	☐
Total Designed Watts: UNCONDITIONED SPACES								555		

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: 2022.0.000
Schema Version: rev 20220101

Documentation Software: Energy Code Ace

Compliance ID: 223835-0525-0008
Report Generated: 2025-05-05 09:36:42

STATE OF CALIFORNIA

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Indoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: C258 Newhall Park

Report Page: (Page 4 of 8)

Date Prepared: 2025-05-05T12:36:39-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector
		Pass
		Fail
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐

Area Level Controls

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector
								Pass
								Fail
Acid Storage Room	General Commercial Industrial Work AreaLow Bay	Readily Accessible	NA: General Ltg <= 0.5W/SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	☐
Chlorine Storage Room	General Commercial Industrial Work AreaLow Bay	Readily Accessible	NA: General Ltg <= 0.5W/SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	☐
Calcium Hypochlorite & Bicarb Storage Room	General Commercial Industrial Work AreaLow Bay	Readily Accessible	NA: General Ltg <= 0.5W/SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	☐
Dry Acid & Soda Ash Storage Room	General Commercial Industrial Work AreaLow Bay	Readily Accessible	NA: General Ltg <= 0.5W/SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	☐
Emergency Eyewash/Shower Room	General Commercial Industrial Work AreaLow Bay	Readily Accessible	NA: General Ltg <= 0.5W/SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	☐
Pump Station Room	General Commercial Industrial Work AreaLow Bay	Readily Accessible	NA: General Ltg <= 0.5W/SF	NA: Elec. equip. rm	NA: Not daylight zone	NA: Not daylight zone	No	☐
Storage Room	Commercial Industrial Storage Area	Readily Accessible	NA: General Ltg <= 0.5W/SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	☐

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: 2022.0.000
Schema Version: rev 20220101

Documentation Software: Energy Code Ace

Compliance ID: 223835-0525-0008
Report Generated: 2025-05-05 09:36:42

CITY OF SANTA CLARITA

BUILDING & SAFETY

APPROVED

Under SCMC Titles 18, 19, 20, 21, 24, 25

Sep 16, 2025

F. Svendsen

BLD25-00576 (ARCH)

The approved plans must be available at the construction site at all times. Changes or alterations to approved plans shall not be made without written permission from the City of Santa Clarita Building & Safety Division. The approval of these plans shall not be construed to permit or approve any violation of the applicable codes, ordinances, or other laws.

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P: (714) 481-7300 | www.pacewater.com

REVIEWED BY: 09/30/2025
Luis Escobar
PAL DESIGN

REVIEWED BY: 09/30/2025
Luis Escobar
PAL CONSTRUCTION

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO EXISTING PUBLIC FACILITIES, THE CITY ENGINEER HAS REVIEWED THESE PLANS AND APPROVES THEM FOR CONSTRUCTION. THE CITY ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PLANS AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED. THE CITY ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PLANS AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED. THE CITY ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PLANS AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED.

PREPARED BY: ZIRANG SONG
PROJECT ENGINEER
R.C.E. NO. --- # 69315
EXP. 06/30/2026

TITLE 24 INDOOR LIGHTING FORM

DATE 09/29/2025

C258

NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD)

SANTA CLARITA CA

SHEET

E8.0

56 OF 60 SHEETS

JOB NO.

C258

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908 195

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

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

Project Name: C258 Newhall Park

Report Page: (Page 1 of 7)

Project Address: 24923 Newhall Ave, Santa Clarita, CA 91321

Date Prepared: 2025-03-12T17:36:46-04:00

A. GENERAL INFORMATION

01

Project Location (city)

Santa Clarita, CA

02

Climate Zone

9

04

Total Illuminated Hardscape Area (ft²)

13019

03

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

☐ LZ-0: Very Low - Undeveloped Parkland

☐ LZ-2: Moderate - Urban Clusters

☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval

☐ LZ-1: Low - Rural Areas

☒ LZ-3: Moderately High - Urban Areas

05

Occupancy Types within Project

Commercial Industrial

B. PROJECT SCOPE

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

My Project Consists of:

01

☒ New Lighting System

Must Comply with Allowances from 140.7 / 170.2(e)6

☐ Altered Lighting System

Is your alteration increasing the connected lighting load (Watts)?

Yes

No

03

% of Existing Luminaires Being Altered¹

☐ < 10%

☐ >= 10% and < 50%

☐ >= 50%

04

Sum Total of Luminaires Being Added or Altered

05

Calculation Method

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

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: C258 Newhall Park

Report Page: (Page 3 of 7)

Date Prepared: 2025-03-12T17:36:46-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

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

Designed Wattage:

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Watts per luminaire¹, ²

How is Wattage determined

Total Number Luminaires ²

Luminaire Status³

Excluded per 140.7(a) / 170.2(e)6A

Design Watts

Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1⁴

Field Inspector

Outdoor LED Wallpack

Outdoor LED Wallpack, 120V, 57W

☐ Linear

57

Mfr. Spec

9

New

☒

NA: < 6200 lumens

☐

☐

RAB Shark 8 FT

RAB Shark Linear Washdown 8 FT, 120V, 70W

☐ Linear

70

Mfr. Spec

2

New

☒

Provided

☐

☐

Flood Light

Pool Deck Flood Light, Pole-Mtd, 120V, 70W

☐ Linear

70

Mfr. Spec

8

New

☒

Provided

☐

☐

Pool Light

Pool Niche Light, 120V, 28W

☐ Linear

28

Mfr. Spec

5

New

☒

NA: < 6200 lumens

☐

☐

Total Design Watts:

0

¹ NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

² FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)

³ For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.

⁴ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.

⁵ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b) / 160.5(c)

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: C258 Newhall Park

Report Page: (Page 2 of 7)

Date Prepared: 2025-03-12T17:36:46-04:00

C. COMPLIANCE RESULTS

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

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

01

02

03

04

05

06

07

08

09

General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)

+

Per Application 140.7(d)2 / 170.2(e)6 (See Table J)

+

Sales Frontage 140.7(d)2 (See Table K)

+

Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)

+

Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)

OR

Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)

=

Total Allowed (Watts)

≥

Total Actual (Watts)

07 must be >= 08

554.6

+

+

+

OR

=

554.6

≥

0

COMPLIES

Shielding Compliance (See Table G for Details)

COMPLIES

Controls Compliance (See Table H for Details)

COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: C258 Newhall Park

Report Page: (Page 4 of 7)

Date Prepared: 2025-03-12T17:36:46-04:00

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

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

01

02

03

04

05

Area Description

Shut-Off 130.2(c)1 / 160.5(c)

Auto-Schedule 130.2(c)2 / 160.5(c)

Motion Sensor 130.2(c)3 / 160.5(c)

Field Inspector

Building/Pool Deck Area: "Outdoor LED Wallpack"

Photocontrol

Provided

NA: Athletic Fields/Playgrounds Lighting

☐

☐

Building/Pool Deck Area: "RAB Shark 8 FT"

Photocontrol

Provided

NA: Athletic Fields/Playgrounds Lighting

☐

☐

Building/Pool Deck Area: "Flood Light"

Photocontrol

Provided

NA: Athletic Fields/Playgrounds Lighting

☐

☐

Building/Pool Deck Area: "Pool Light"

Photocontrol

Provided

NA: Athletic Fields/Playgrounds Lighting

☐

☐

¹ FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.

² Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.

³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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BUILDING & SAFETY

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18, 19, 20, 21, 24, 25
Sep 16, 2025
F. Svendsen

BLD25-00576 (ARCH)

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P: (714) 481-7300 | www.pacewater.com

REVIEWED BY: 09/30/2025
Luis Escobar
EXECUTION DATE

REVIEWED BY: 09/30/2025
Luis Escobar
FINAL CONSTRUCTION
EXECUTION DATE

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO EXISTING PUBLIC FACILITIES, THE CITY OF SANTA CLARITA HAS REVIEWED AND APPROVED THE CODE SECTION 830.6 FOR THE CITY OF SANTA CLARITA. I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME BY THE CITY OF SANTA CLARITA TO APPROVE THE MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, SIGNATURE AND DATE IS AFFIXED.

PREPARED BY: ZIRANG SONG
PROJECT ENGINEER
R.C.E. NO. --- # 69315
EXP. DATE ---

TITLE 24 OUTDOOR LIGHTING FORM

DATE 03/2025

C258

NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD)

SANTA CLARITA CA

TITLE

SHEET E8.2

58 OF 60 SHEETS

JOB NO. C258

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Xrefs: C258 Titleblock_ELEC.dwg
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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: C258 Newhall Park

Report Page: (Page 6 of 7)

Date Prepared: 2025-03-12T17:36:46-04:00

NRCC-LTO-E

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

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

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

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

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)		Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)	
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)		Linear Allowance (Watts)
Building/Pool Deck Area	13019	0.021	273.4	156	0.2	31.2	304.6
Initial Wattage Allowance for Entire Site (Watts):							250
Instances of Initial Wattage Allowance (LZ 0 only)¹							
Total General Hardscape Allowance (Watts):							554.6

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: C258 Newhall Park

Report Page: (Page 6 of 7)

Date Prepared: 2025-03-12T17:36:46-04:00

NRCC-LTO-E

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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

Form/Title	Systems/Spaces To Be Field Verified
NRCC-LTO-E - Must be submitted for all buildings	

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Building/Pool Deck Area: "Outdoor LED Wallpack"; Building/Pool Deck Area: "RAB Shark 8 FT"; Building/Pool Deck Area: "Flood Light"; Building/Pool Deck Area: "Pool Light"

Generated Date/Time: Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: C258 Newhall Park

Report Page: (Page 7 of 7)

Date Prepared: 2025-03-12T17:36:46-04:00

NRCC-LTO-E

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Neil Chin

Signature Date: 3/12/25

Address: 17520 Newhope St #200

City/State/Zip: Fountain Valley, CA 92708

Phone: 714-481-7300

CEA/HERS Certification Identification (if applicable):

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Bashar Ishaq

Signature Date: 3/12/25

Address: 17520 Newhope St #200

City/State/Zip: Fountain Valley, CA 92708

Phone: 714-481-7300

License: E24590

Generated Date/Time: Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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CITY OF SANTA CLARITA

BUILDING & SAFETY

APPROVED

Under SCAC Titles 18, 19, 20, 21, 24, 25

Sep 16, 2025

F. Svendsen

BLD25-00576 (ARCH)

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QR CODE



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P: (714) 481-7300 | www.pacewater.com

REVISIONS

09/30/2025

EXECUTED BY

09/30/2025

EXECUTED BY

09/30/2025

EXECUTED BY

IN ACCORDANCE WITH RESOLUTION NO. 18-6, AS A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CLARITA, DELEGATING DISCRETIONARY AUTHORITY TO THE DIRECTOR OF PUBLIC WORKS, DIRECTOR OF RECREATION AND COMMUNITY SERVICES, DIRECTOR OF NEIGHBORHOOD SERVICES, CITY ENGINEER, AND ASSISTANT CITY ENGINEERS TO APPROVE PLANS AND DESIGNS FOR THE CONSTRUCTION OF OR IMPROVEMENTS TO PUBLIC FACILITIES, THE CITY ENGINEER HAS REVIEWED THESE PLANS AND SPECIFICATIONS AND HAS DETERMINED THAT THEY COMPLY WITH THE CITY OF SANTA CLARITA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME BY THE CITY OF SANTA CLARITA TO APPROVE THE MODIFICATION TO THE PLAN OR DESIGN, OR A CONSTRUCTION OF, OR AN IMPROVEMENT OR TO THE PUBLIC FACILITY, STRUCTURE, OR PROPERTY TO WHICH THIS STATEMENT, SIGNATURE AND DATE IS AFFIXED.

PREPARED BY

ZIRANG SONG

PROJECT ENGINEER

R.C.E. NO. --

EXP. DATE --

69315

DRAWN

J/P

DESIGNED

J/P

CHECKED

Z/S

DATE

03/20/2025

TITLE

NEWHALL PARK POOL PUMP ROOM RENOVATION PLANS (100% CD)

SANTA CLARITA CA

C258

SHEET

F8.3

59 OF 60 SHEETS

JOB NO.

C258

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