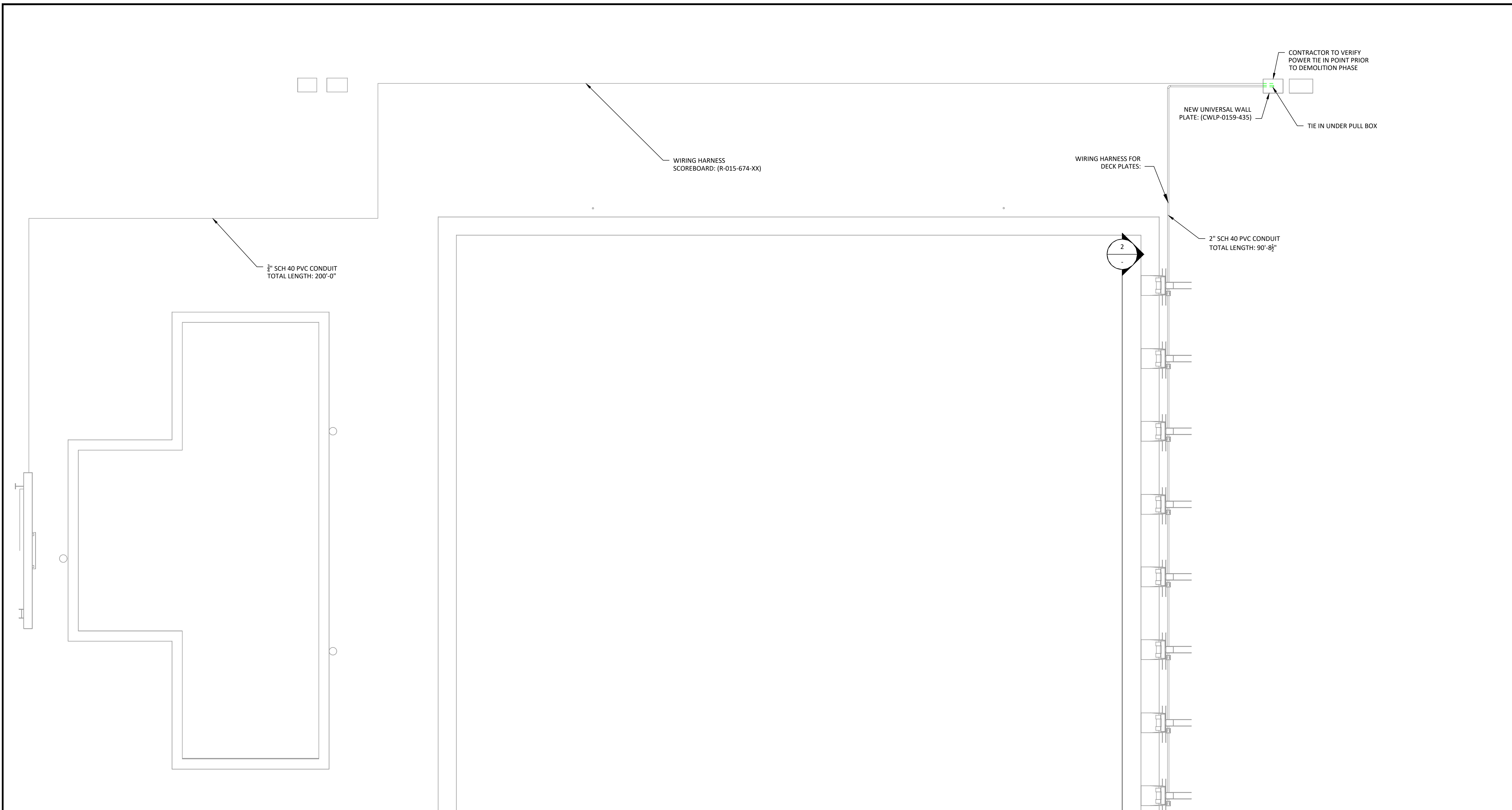
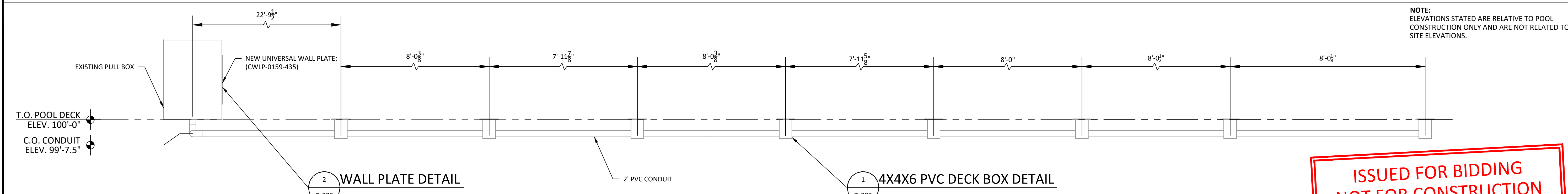


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CONDUIT PLAN 1
SCALE: 3/16"=1'-0" SP-001



CONDUIT ELEVATION 2
SCALE: N/A

NOTE:
1. THREE (3) SKIMMERS. SKIMMERS ARE HYDRAULICALLY BALANCED AND SYMMETRICALLY PLUMBED THROUGH A

NOTE:
ELEVATIONS STATED ARE RELATIVE TO POOL CONSTRUCTION ONLY AND ARE NOT RELATED TO SITE ELEVATIONS.

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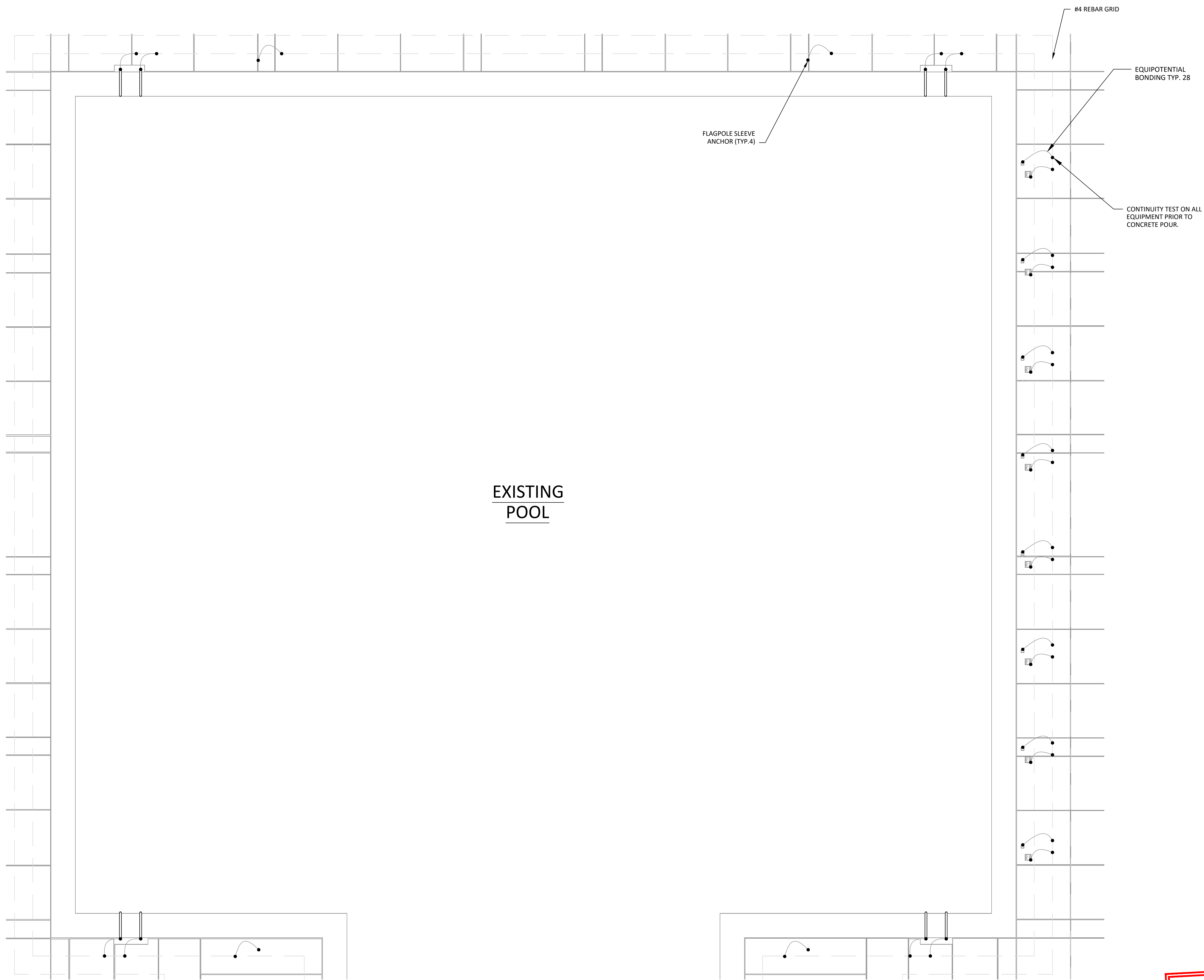
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SHEET **E-001**
CONDUIT PLAN

JOB NO.	C11940
DATE CREATED	05/02/2026



NOTES:

1. IF ANY EXISTING POOL GROUNDING WIRES ARE DAMAGED DURING DEMOLITION, THEN THEY NEED TO BE REPLACED WITH NEW WIRES.

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	05/22/2026

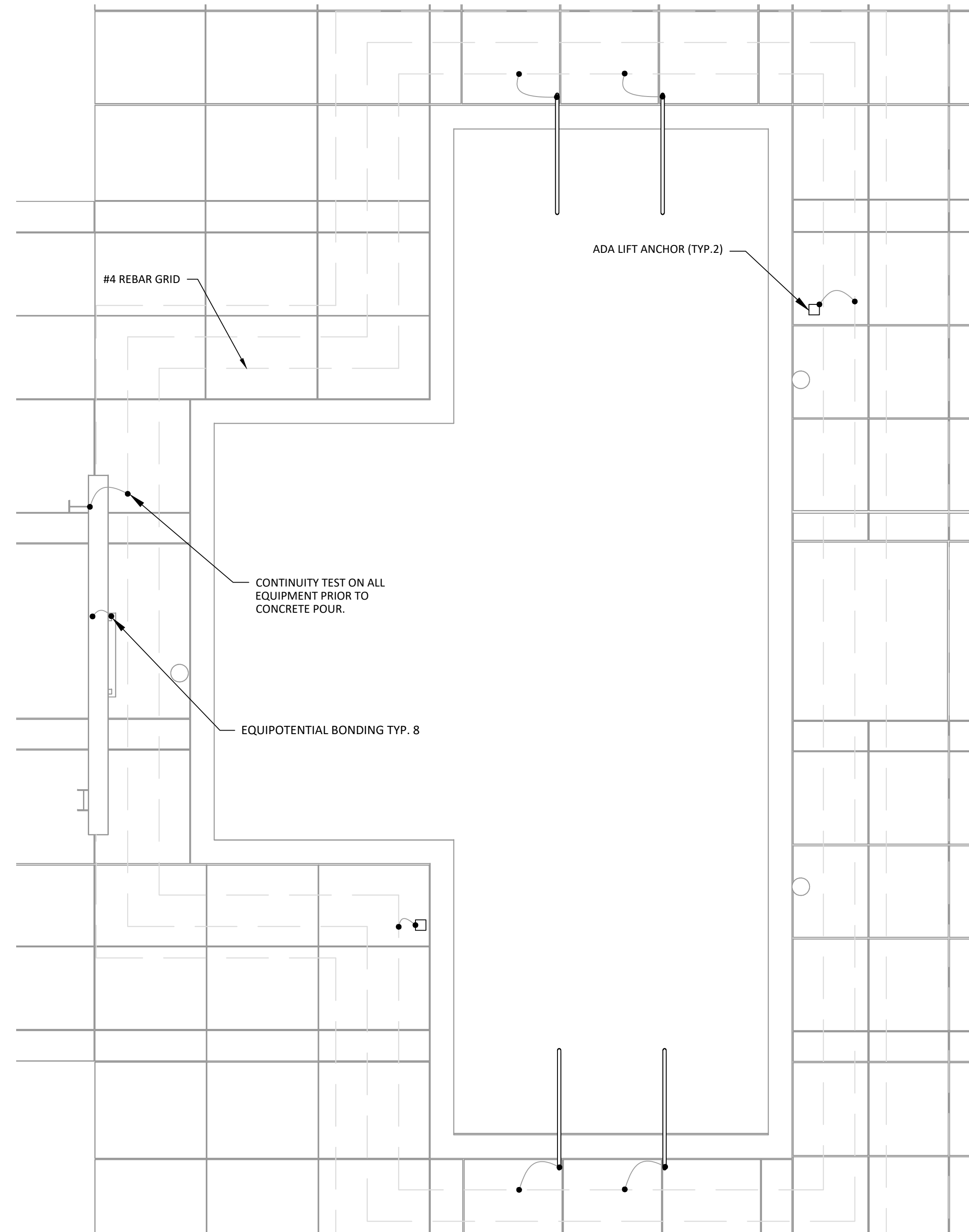
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POOL BONDING PLAN ¹
 SCALE: 1/4"=1'-0" SP-001

SHEET	BP-001
BONDING PLAN	
JOB NO.	C11940
DATE CREATED	05/02/2026

NOTES:

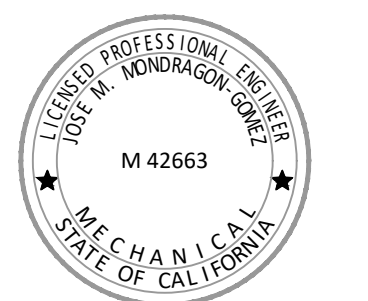
- IF ANY EXISTING POOL GROUNDING WIRES ARE DAMAGED DURING DEMOLITION, THEN THEY NEED TO BE REPLACED WITH NEW WIRES.



#	QTY.	PART DESCRIPTION	PART #
1	4	PENTAIR PARAGON BACKSTROKE PENNANT STANCHION. (145" WALL THICKNESS, 1.90" DIAMETER)	KDI-35-760 38106
2	4	SLIDING COLLAR W/ EYEBOLT	KDI-35-743 38301
3	4	PENTAIR PARAGON BRONZE STANCHION ANCHOR WITH THREADED CAP (1.90 ID)	KDI-35-732
4	4	KEY FOR BRONZE STANCHION ANCHOR W/ THREADED CAP	KDI-35-742 38202
5	2	SPECIAL ORDER LENGTH BACKSTROKE LINE AND PENNANTS (ALTERNATING BLUE WHITE COLOR PREFERENCE) (80' LENGTH SHOULD BE DETERMINED AT BID WALK WITH ONSITE MEASUREMENTS)	SPA-115C-C1
6	2	EZ-TENSIONER & SPRING (MAY OR MAY NOT BE NEEDED SHOULD VERIFY ON BID WALK)	RCH-35-1025 600333AAAKIT
7	26	S.R. SMITH STAINLESS 4" WEDGE ANCHOR	SRS-351-4182
8	10	PARAGON CPB ESCUTCHEON (1.90" OD)	KDI-35-751
9	16	SR SMITH ROUND STAINLESS ESCUTCHEON (1.90" OD)	SRS-351-2001
11	1	UNIVERSAL WALL PLATE	C-WLP-0159-435
12	8	TITANIUM DECK PLATE (TDP)	59-361
13	1	8-LANE OTTER SCORE BOARD	59-291
14	8	QUIKBLOCK CONQUEST MP MID PROFILE STARTING PLATFORM	52-405
15	8	QUIKBLOCK CONQUEST SINGLE MULTI ADJ KICKPLATE	52-425
16	8	QUIKBLOCK CONQUEST SIDE HANDLES (MID HEIGH BLOCKS, STORM GRAY IN COLOR, SEADECK NON SLIP)	52-420
17	8	QUIKBLOCK CONQUEST CUSTOM VINYL GRAPHIC	52-450

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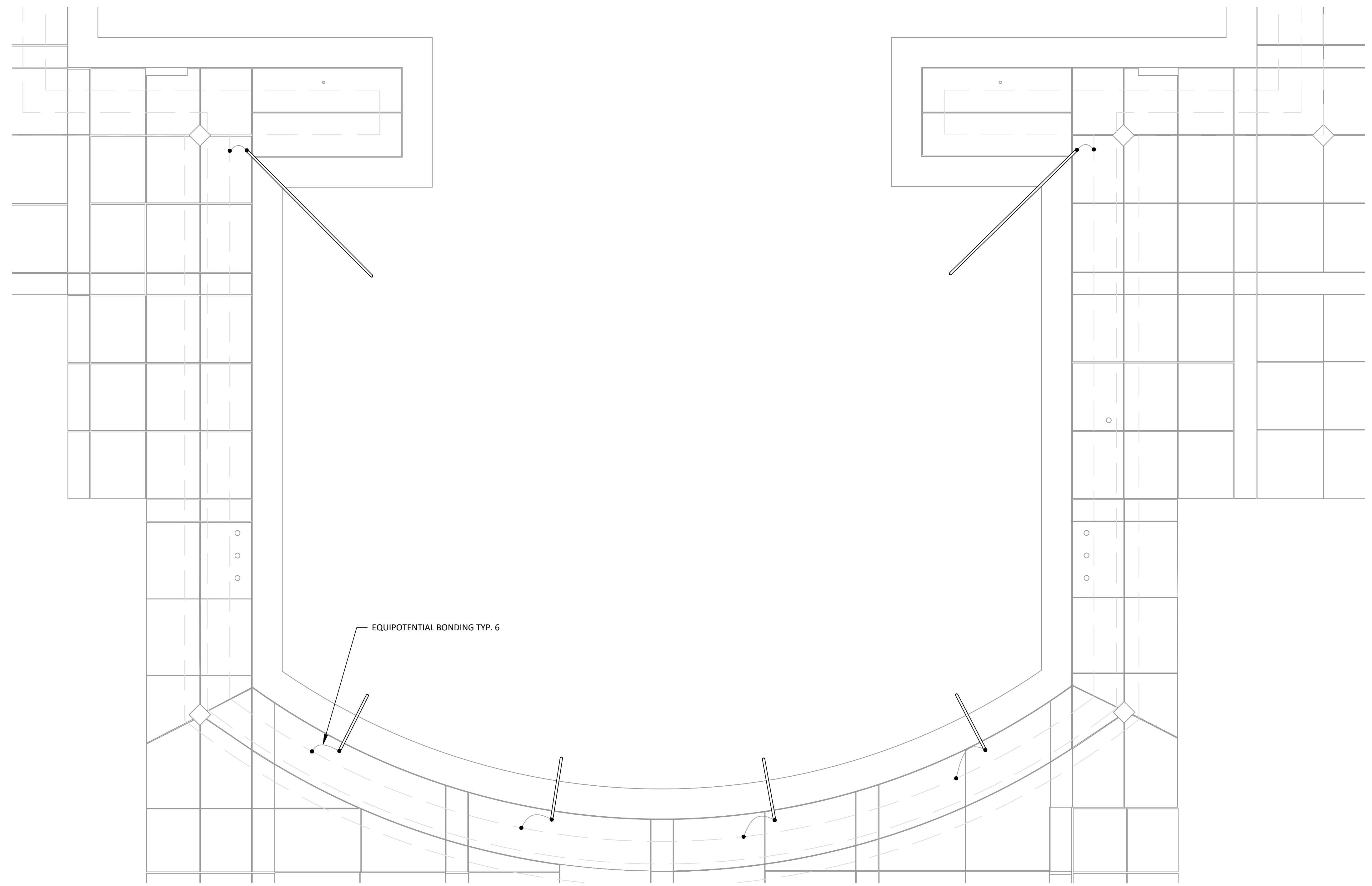
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NO.	DESCRIPTION	DATE
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SHEET **BP-002**
BONDING PLAN
JOB NO. C11940
DATE CREATED 05/02/2026

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POOL BONDING PLAN ¹
SCALE: 1/4"=1'-0" SP-001

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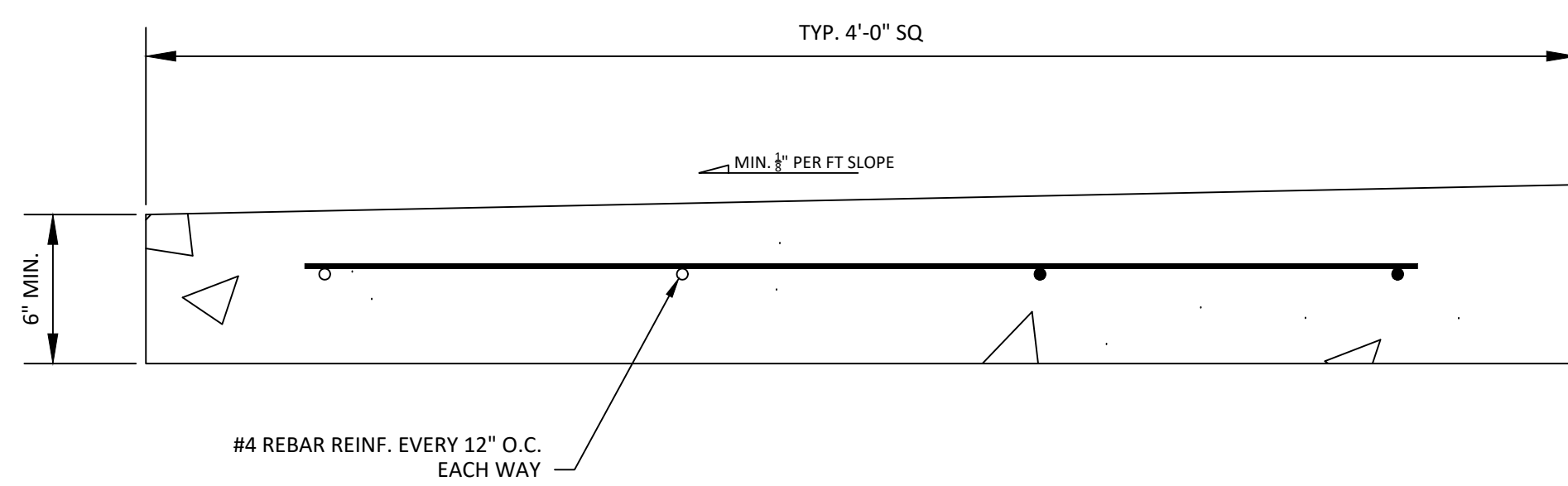
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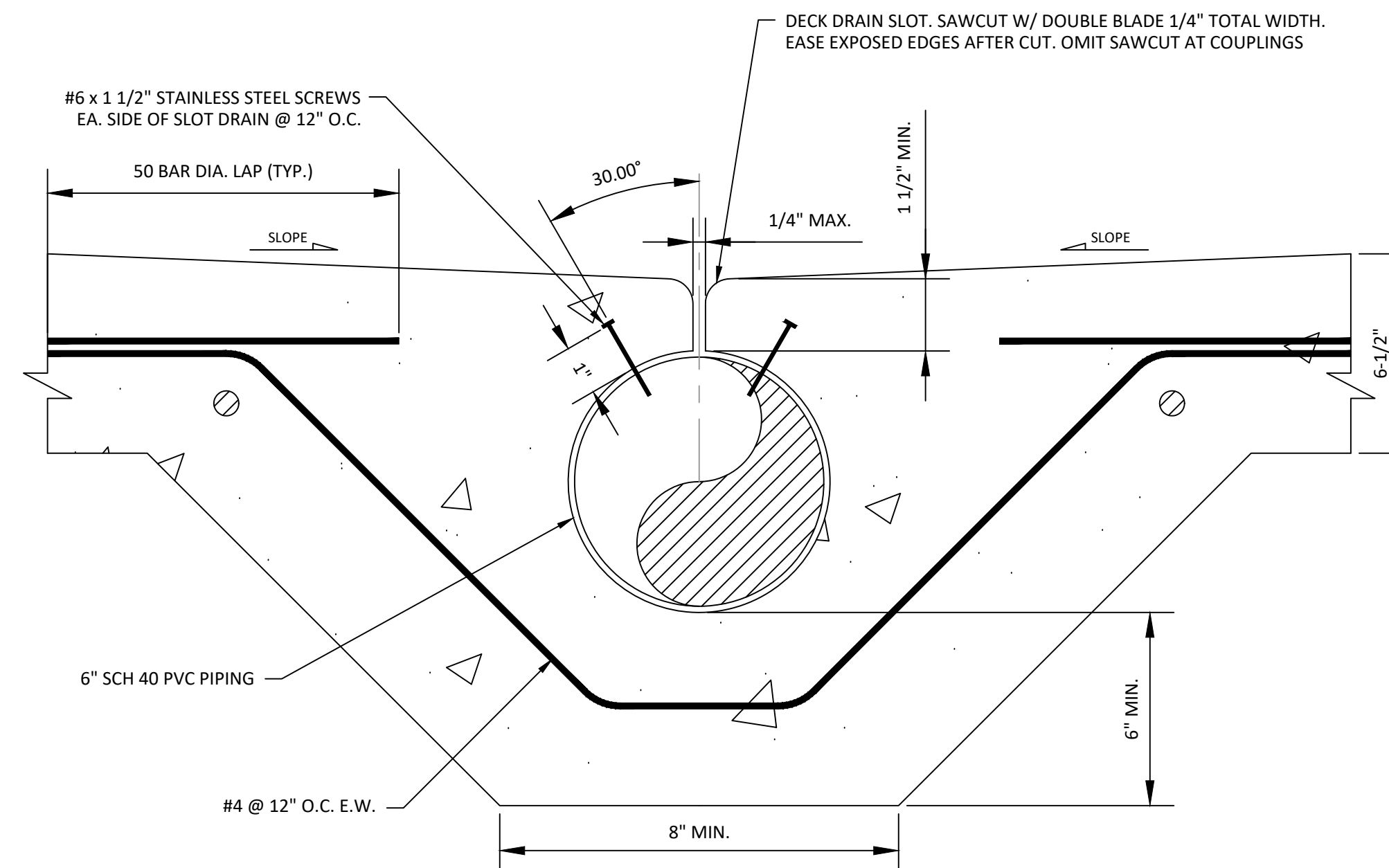


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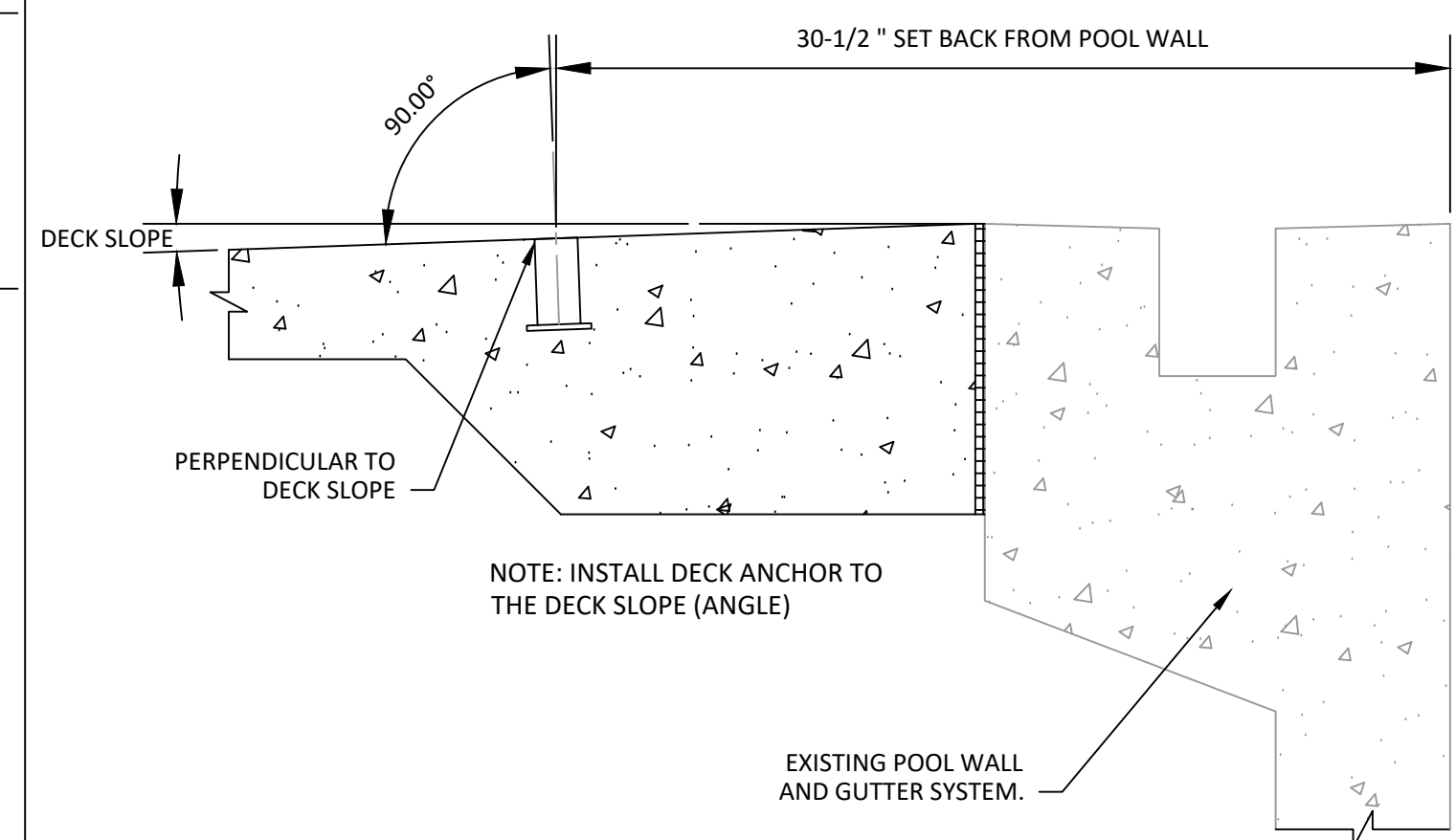
SHEET	BP-003
BONDING PLAN	
JOB NO.	C11940
DATE CREATED	05/02/2026



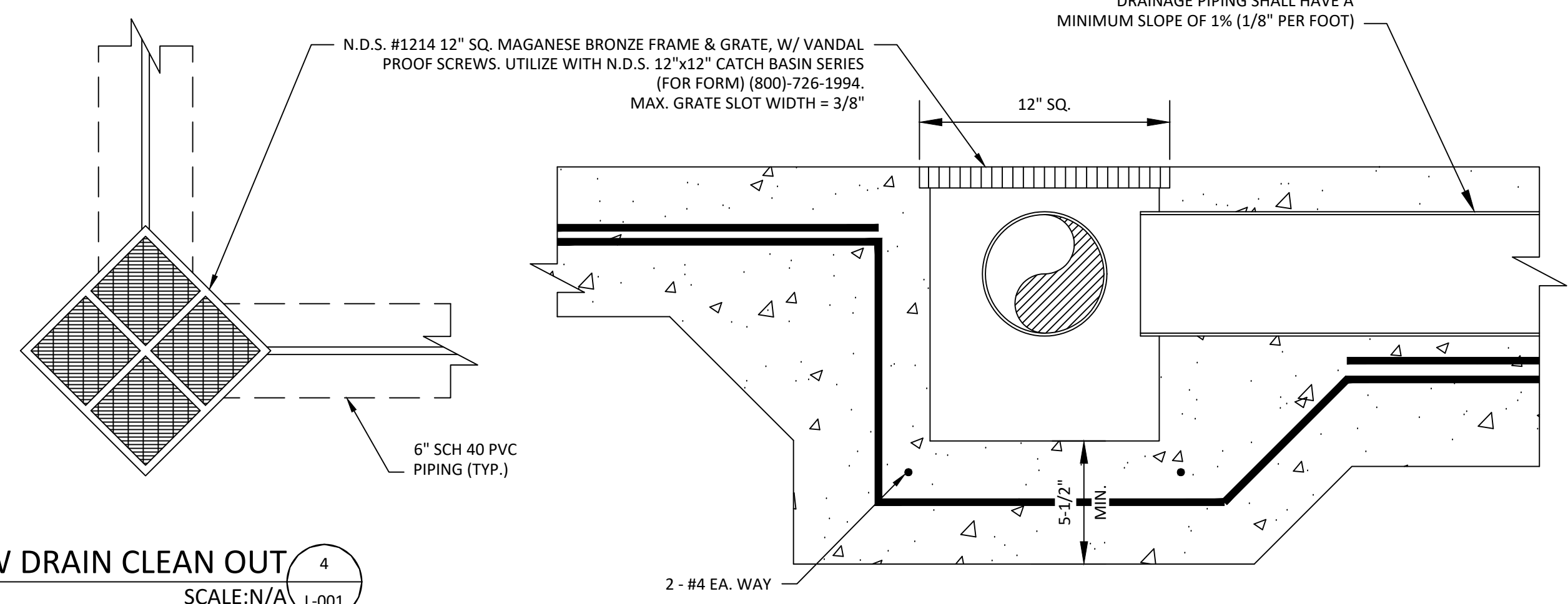
CONC. DETAIL 1
SCALE: N/A L-001



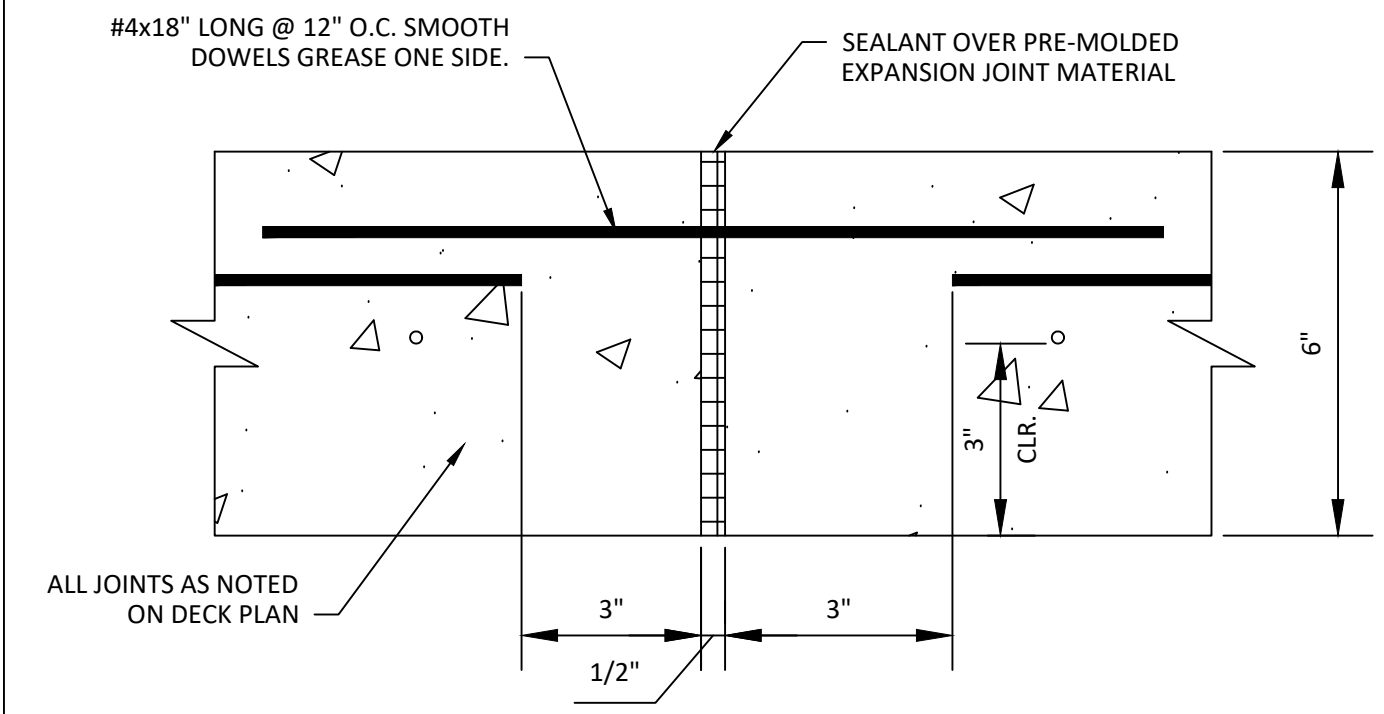
SAWCUT SLOT DRAIN 2
SCALE: N/A L-001



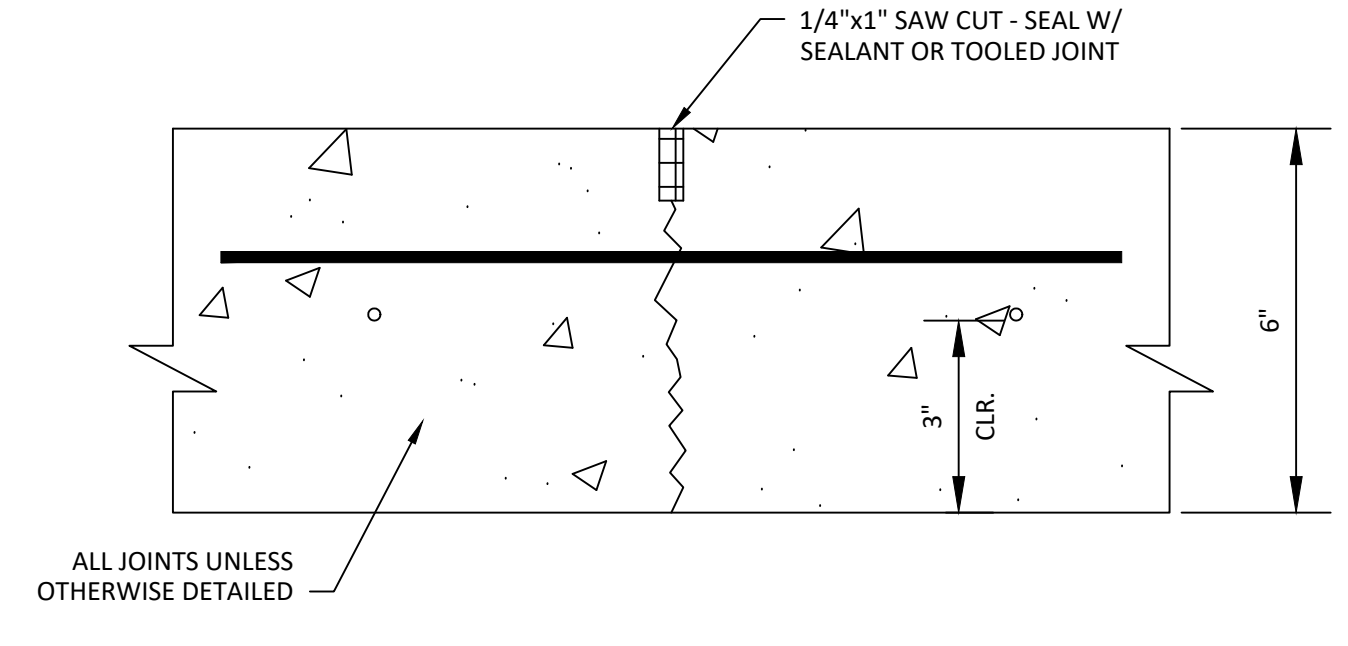
QUIKBLOX DECK ANCHOR DETAIL 3
SCALE: N/A L-004



SLOW DRAIN CLEAN OUT 4
SCALE: N/A L-001



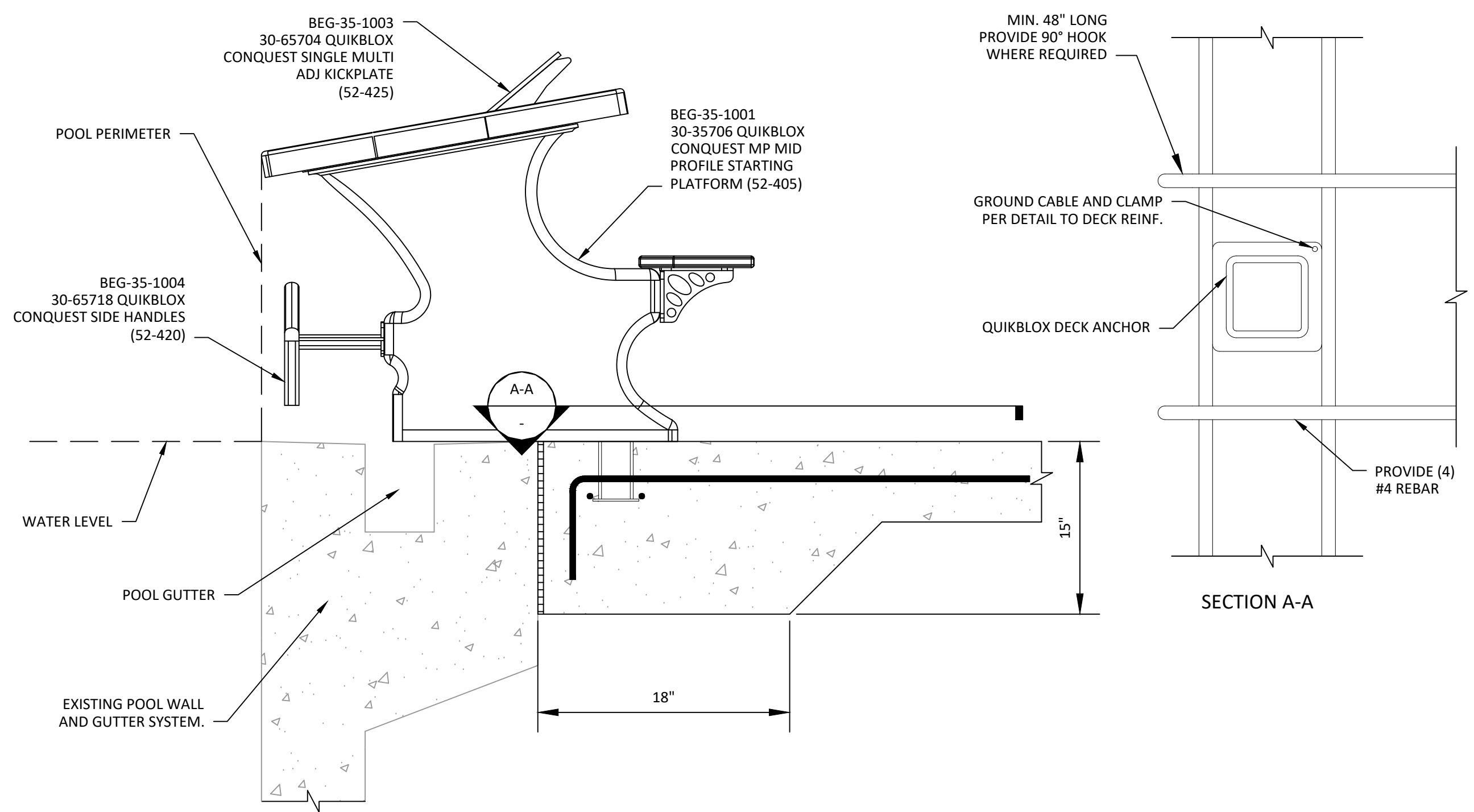
EXPANSION JOINT 5
SCALE: N/A L-001



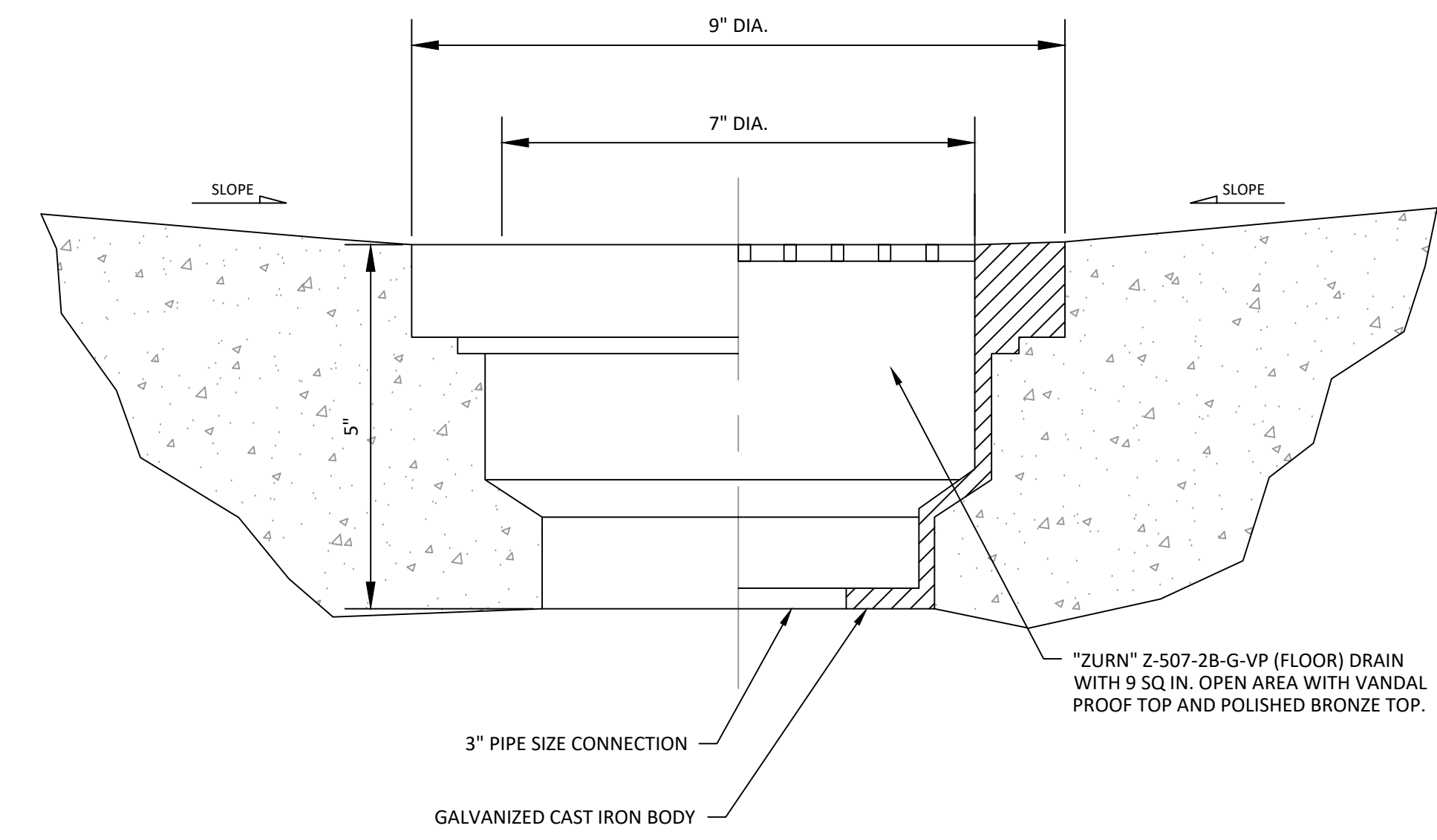
CONTROL JOINT 6
SCALE: N/A L-001

NOTE:
1. PROVIDE MIN. 2" OF SAND OVER NON-EXPANSIVE SOIL COMPACTED TO 90 PERCENT
2. CONTRACTOR TO PROVIDE SURFACE FINISH TO MATCH EXISTING APPEARANCE, BROOM FINISH, ECT.

NOTE:
1. PROVIDE MIN. 2" OF SAND OVER NON-EXPANSIVE SOIL COMPACTED TO 90 PERCENT



STARTING PLATFORM 7
SCALE: N/A L-004



AREA DRAIN DETAIL 8
SCALE: N/A L-003

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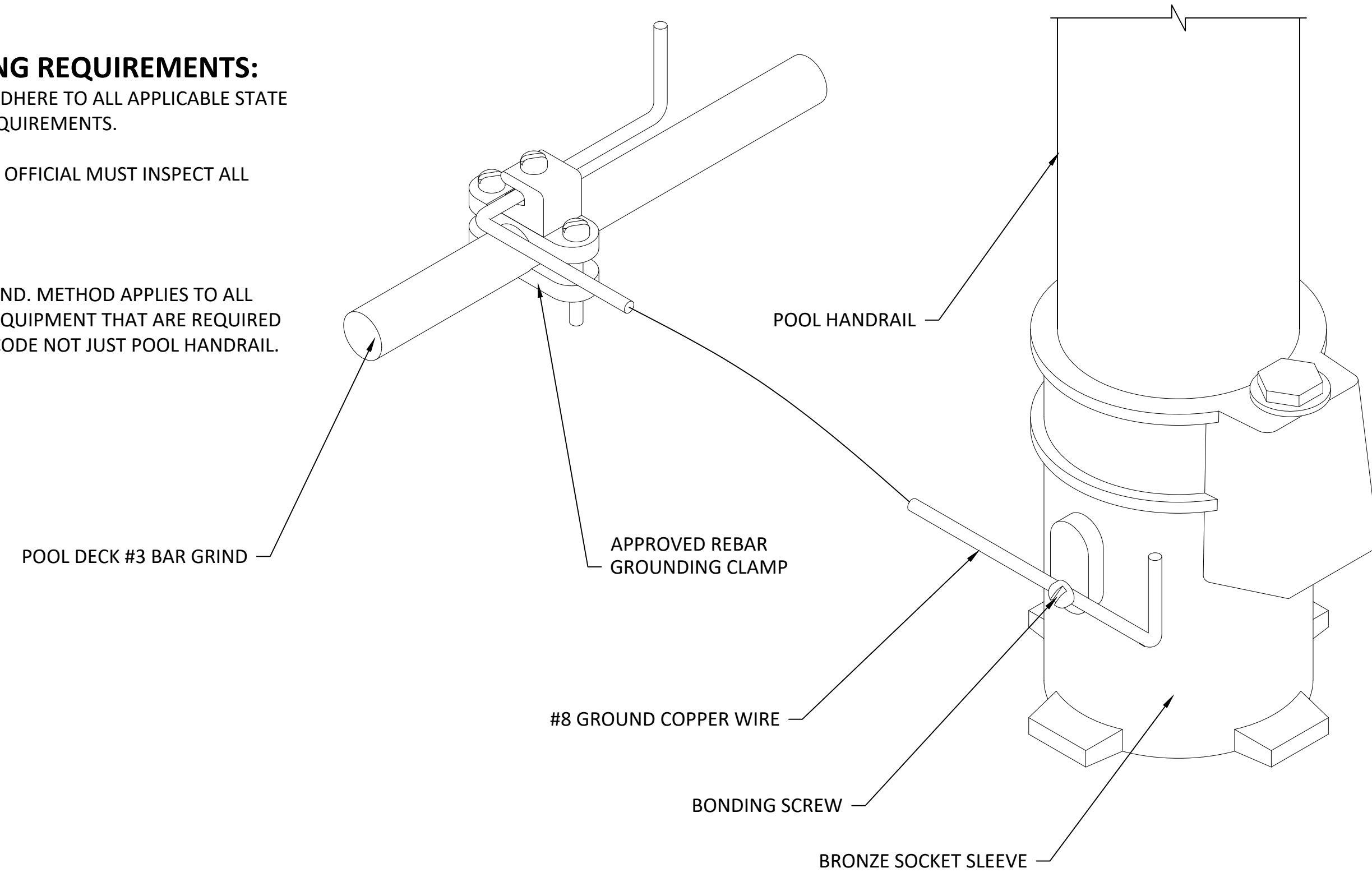
SHEET	D-001
DETAILS 1	
JOB NO.	C11940
DATE CREATED	05/02/2026

GENERAL GROUNDING REQUIREMENTS:

1. GROUNDING MUST ADHERE TO ALL APPLICABLE STATE AND LOCAL CODE REQUIREMENTS.
2. THE LOCAL BUILDING OFFICIAL MUST INSPECT ALL GROUNDING WORK.

NOTES :

- TYPICAL GROUND BOND. METHOD APPLIES TO ALL COMPONENTS AND EQUIPMENT THAT ARE REQUIRED TO BE BONDED PER CODE NOT JUST POOL HANDRAIL.

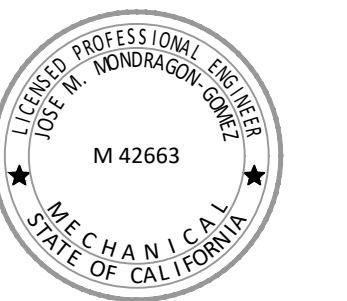


GROUND BOND 1
SCALE: N/A

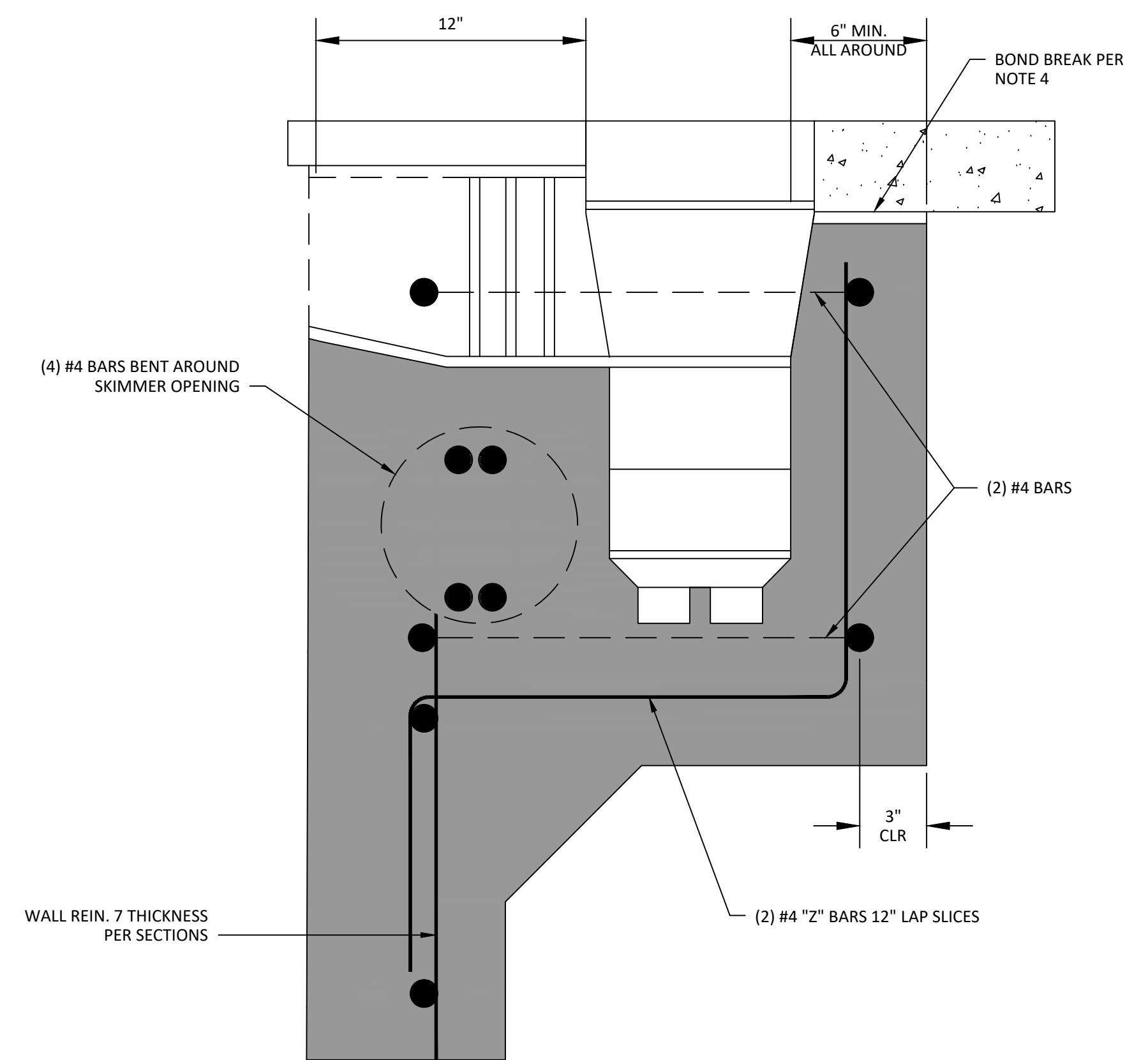
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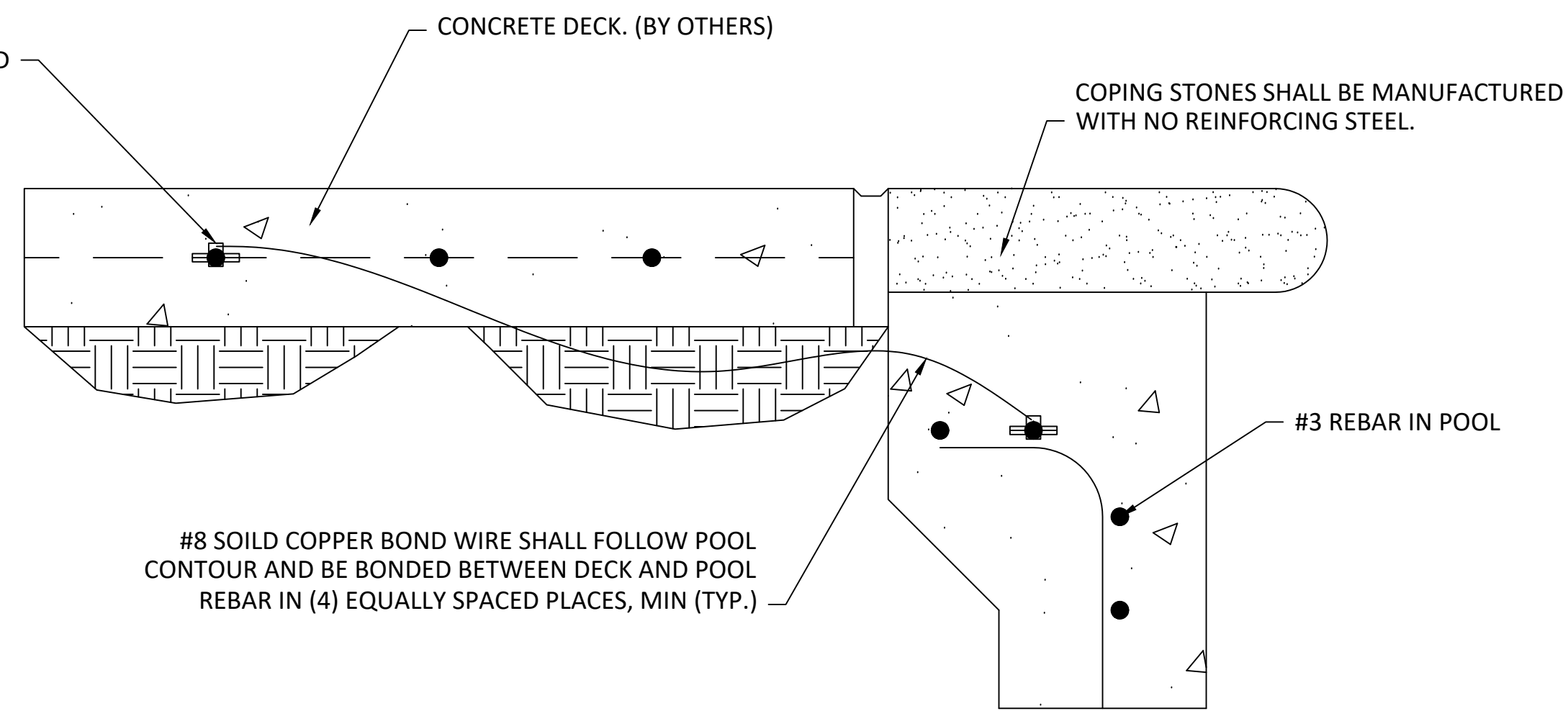


SKIMMER DETAIL 3
SCALE: N/A



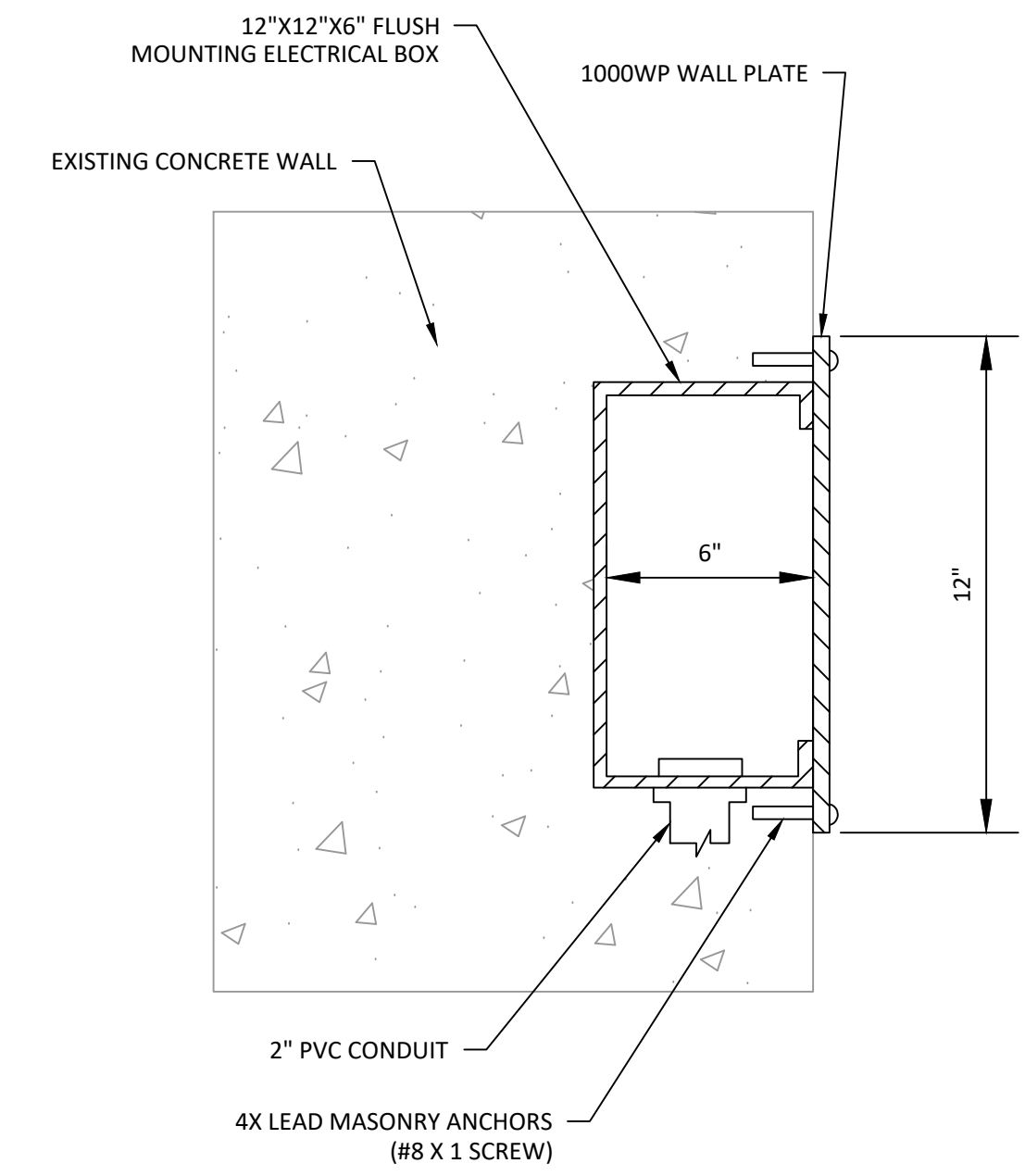
NOTES :

1. USE APPROVED REBAR GROUNDING CLAMP W/ LABEL.



BONDING WIRE SECTION 2
SCALE: N/A

WALL PLATE DETAIL 4
SCALE: N/A

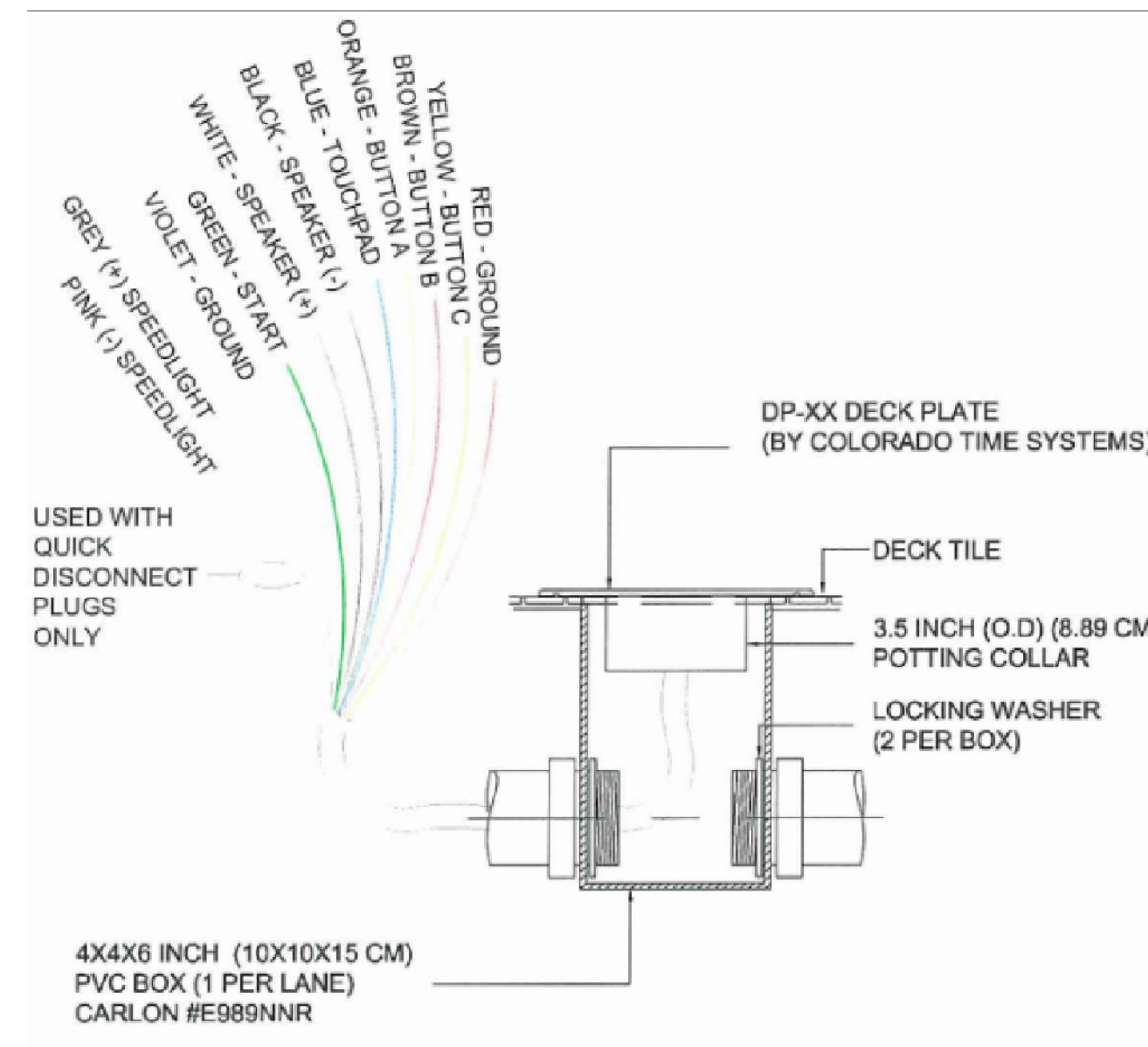
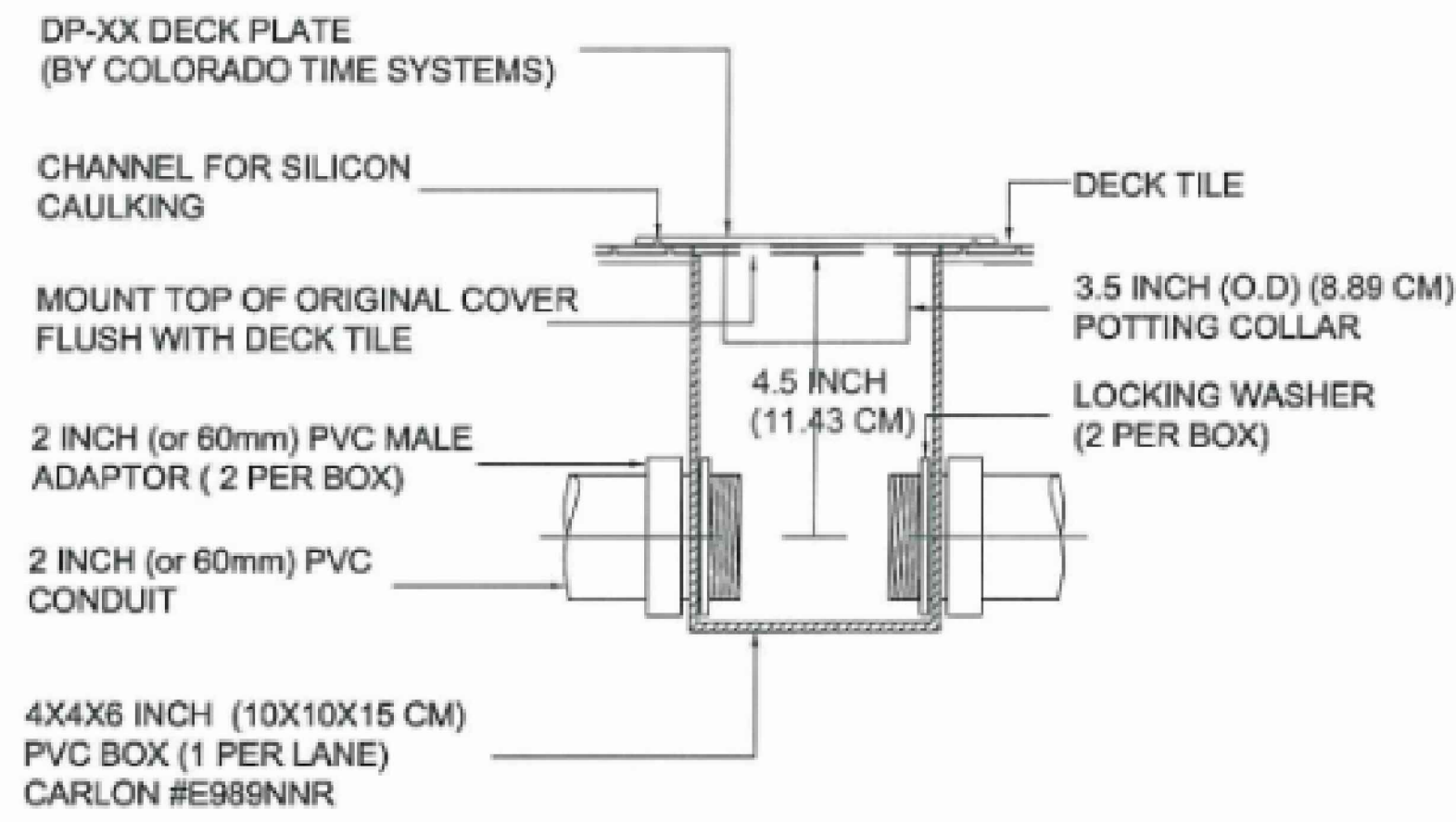


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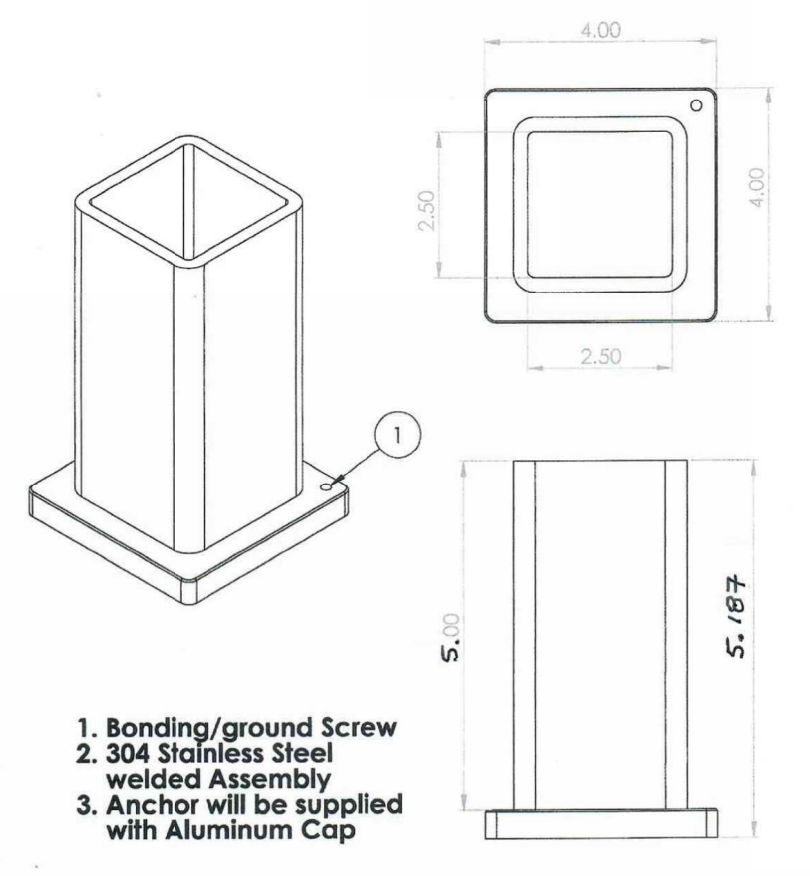
SHEET **D-002**
DETAILS 2

JOB NO.	C11940
DATE CREATED	05/02/2026

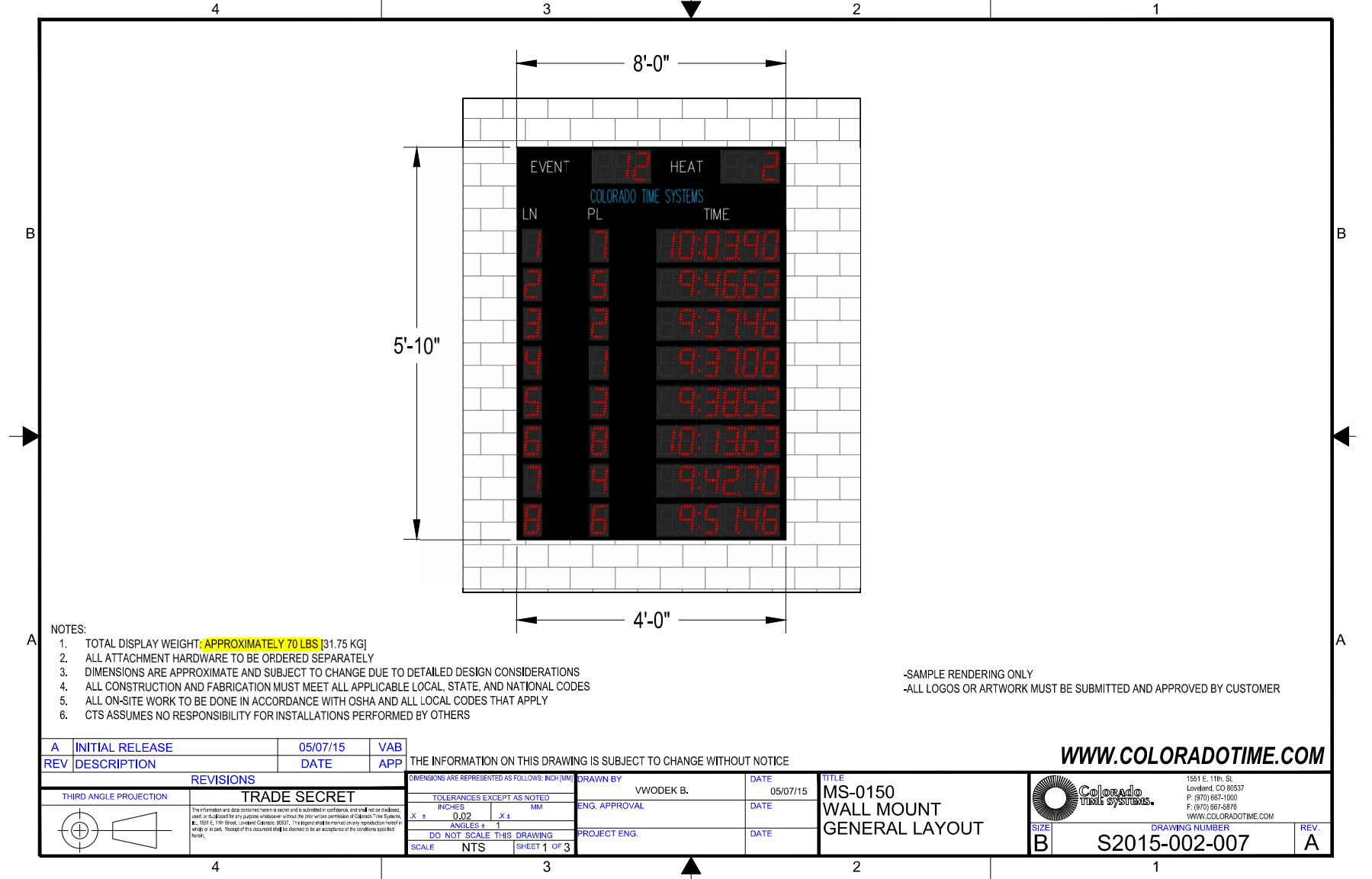


DECK PLATE AND PVC DECK BOX DETAIL/CUTSHEET 1 SCALE: N/A

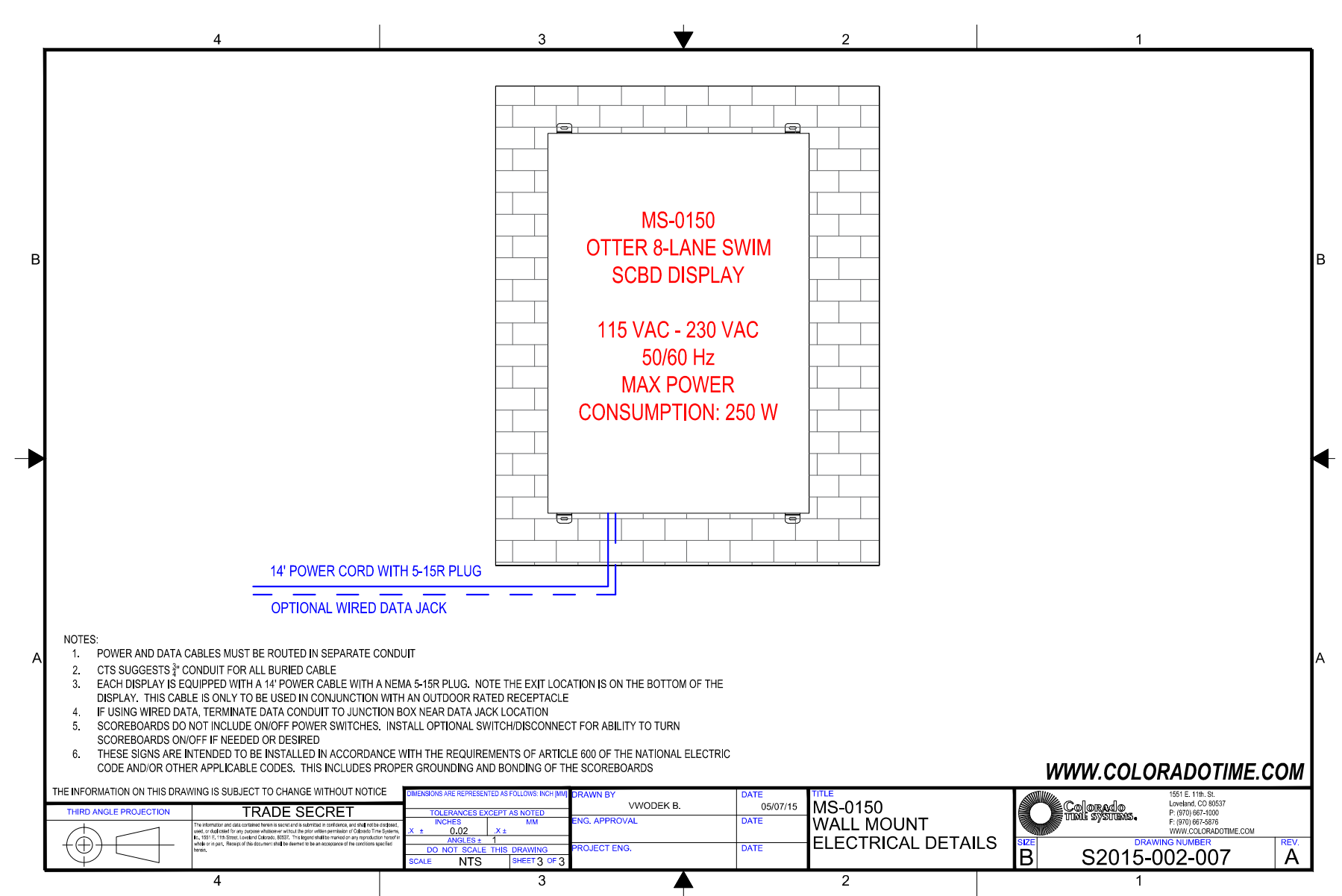
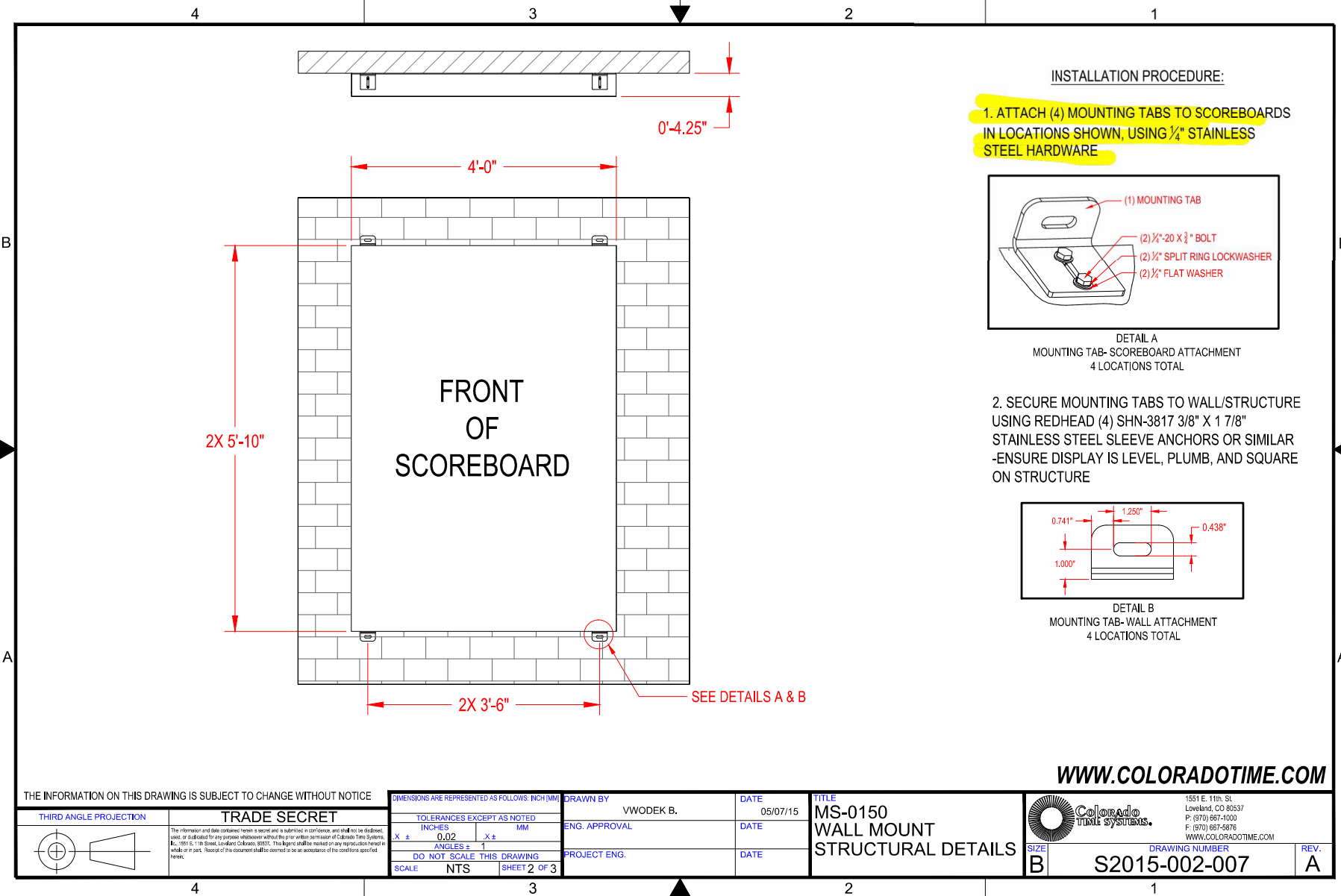
WALL PLATE DETAIL/CUTSHEET 2 SCALE: N/A



QUIKBLOX STARTING PLATFORM DETAIL/CUTSHEET 4 SCALE: N/A



SCOREBOARD DETAIL/CUTSHEET 5 SCALE: N/A



DATE	05/01/15	SCALE	AS SHOWN
DESIGNED BY	WWW.COLORADOTIME.COM	PROJECT NO.	S2015-002-007
APPROVED BY		DATE	

DATE	05/01/15	SCALE	AS SHOWN
DESIGNED BY	WWW.COLORADOTIME.COM	PROJECT NO.	S2015-002-007
APPROVED BY		DATE	

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SHEET	D-003
EQ MFR DETAILS	
JOB NO.	C11940
DATE CREATED	05/02/2026

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH IBC CHAPTER 22, AISC 360, AISC 303, AND AWS.
- STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATIONS INDICATED BELOW (UNO): ANGLES, CHANNELS A36
- THE CONTRACTOR SHALL BE LIABLE FOR DIMENSIONS, FIT, TOLERANCES, FABRICATION, AND ERECTION.
- WELDING IS TO BE DONE BY AWS CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). WELDS SHALL BE PREQUALIFIED BY AWS. WELDING SHALL BE IN STRICT ADHERENCE TO A WRITTEN WELDING PROCEDURE SPECIFICATION (WPS) PER AWS D1.1. WELDING PARAMETERS SHALL BE WITHIN THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS. WELDING PROCEDURES SHALL BE SUBMITTED TO THE OWNER'S TESTING AGENCY FOR REVIEW BEFORE STARTING FABRICATION OR ERECTION. FIELD WELDING SYMBOLS HAVE NOT NECESSARILY BEEN INDICATED ON THE DRAWINGS. WHERE SHOWN, PROPER FIELD WELDING PER AWS D1.1 SHALL BE USED. WHERE NO FIELD WELDING SYMBOLS ARE SHOWN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF SHOP AND FIELD WELDS TO FACILITATE THE STRUCTURAL STEEL ERECTION.
- SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS. WELDS SHOWN ON THE CONTRACT DRAWINGS ARE MINIMUM SIZES FOR STRENGTH. INCREASE WELD SIZE TO AWS MINIMUM SIZE BASED ON THICKNESS OF THE MATERIAL BEING WELDED. MINIMUM WELD SIZE SHALL BE 3/16" FOR MATERIAL THICKNESS 3/16" AND GREATER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE JOINT PREPARATIONS AND WELDING PROCEDURES THAT INCLUDE BUT ARE NOT LIMITED TO: REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPEs, SURFACE ROUGHNESS VALUES, AND TAPERS OF UNEQUAL PARTS.
- ALL WELD FILLER MATERIAL SHALL HAVE A MINIMUM CHARPY V-NOTCH (CVN) VALUE OF 20 FT-LB AT A TEMPERATURE OF 0° F.
- STEEL FRAMEWORK SHALL NOT BE ASSUMED STRUCTURALLY STABLE UNTIL ALL MEMBERS ARE IN PLACE AND CONNECTIONS ARE INSTALLED. ANY USE OF THE PARTIALLY ERECTED FRAMEWORK FOR TEMPORARY SUPPORT OF ANY KIND SHALL BE DONE ONLY AT THE CONTRACTOR'S RISK.
- BURNING OF HOLES IN STRUCTURAL STEEL IS NOT PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER OR RECORD.
- MAINTAIN WORK IN A SAFE A STABLE CONDITION DURING ERECTION. PROVIDE TEMPORARY SHORING AND BRACING MEMBERS AS REQUIRED, WITH CONNECTIONS OF SUFFICIENT STRENGTH TO BEAR IMPOSED LOADS. REMOVE TEMPORARY MEMBERS AND CONNECTIONS WHEN PERMANENT MEMBERS ARE IN PLACE AND FINAL CONNECTIONS ARE MADE. PROVIDE TEMPORARY GUY LINES TO ACHIEVE PROPER ALIGNMENT AND STABILITY OF THE STRUCTURE AS ERECTION PROCEEDS.
- HIGH STRENGTH BOLTED CONNECTIONS AND WELDED CONNECTIONS SHALL BE INSPECTED BY THE SPECIAL STRUCTURAL INSPECTOR. ALL COMPLETE-PENETRATION WELDS SHALL BE ULTRASONICALLY TESTED BY A QUALIFIED INSPECTOR. INSPECTION AND TESTING WILL BE PAID FOR BY THE OWNER.
- ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123, UNO BY ARCHITECT. FIELD WELDS AND DAMAGED GALVANIZING SHALL BE COATED WITH A ZINC-RICH PAINT, MINIMUM 2 MIL THICK, APPLIED TO A CLEAN, DRY STEEL SURFACE BY EITHER A BRUSH OR SPRAY. ZINC-RICH PAINTS MUST CONTAIN EITHER BETWEEN 65% TO 69% METALLIC ZINC BY WEIGHT OR GREATER THAN 92% METALLIC ZINC BY WEIGHT IN THE DRY FILM.
- AFTER MATERIAL HAS BEEN PROPERLY CLEANED AND TREATED, APPLY SHOP PRIME COAT TO ALL SURFACES, EXCEPT THOSE INTENDED FOR EMBEDMENT INTO CONCRETE OR TO RECEIVE FIELD WELDING, SLIP CRITICAL BOLTS, OR CEMENTITIOUS FIREPROOFING. PROVIDE "TOUCH-UP" AT SITE. MINIMUM DRY FILM THICKNESS SHALL BE 1.5 MIL.

MISCELLANEOUS

- NO CHANGE IN SIZE OF STRUCTURAL ELEMENTS OR MODIFICATION THEREOF SHALL BE MADE, NOR ARE ANY OPENINGS OR SLEEVES THROUGH ANY STRUCTURAL ELEMENTS PERMITTED, UNLESS DETAILED ON THE STRUCTURAL DRAWINGS.

CONTRACTOR RESPONSIBILITIES

- MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE BUILDING CODE.
- CONTRACT DRAWINGS ARE CONSIDERED TO BE PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL THE DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT/ENGINEER.
- VERIFY THE DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. ANY DISCREPANCY BETWEEN SUCH DETAILS AND DIMENSIONS AS MAY OCCUR SHALL BE REPORTED TO THE ARCHITECT/EOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DUE TO THE NATURE OF THE WORK, ALL DIMENSIONS AND/OR EXISTING DETAILS SHOWN ON THE DRAWINGS THAT WILL IN ANY WAY AFFECT THE WORK SHALL BE FIELD-VERIFIED PRIOR TO FABRICATION OF ANY MATERIALS. FIELD-VERIFICATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF THERE IS ANY QUESTION TO THE INTENT OF THE WORK INDICATED, THE CONTRACTOR SHALL CLEAR THE QUESTION WITH THE ARCHITECT/EOR. FIELD-VERIFY TOP OF EXISTING CONCRETE AND TOP OF EXISTING STEEL AT LOCATIONS WHERE NEW STRUCTURE CONNECTS TO EXISTING STRUCTURE.
- NOTIFY, IN WRITING, THE EOR OF CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE SHOWN IN THE STRUCTURAL DOCUMENTS.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE EOR SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- CONTRACTOR SUBMITTALS/SHOP DRAWINGS
- SUBMITTALS FOR REINFORCING STEEL AND STRUCTURAL STEEL SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS.
- DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE EOR; THEREFORE, THEY SHALL BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL REVIEW AND STAMP THE DRAWINGS FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION, AND ALL SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO.
- SHOP DRAWINGS SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWINGS SUBMITTALS IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED, AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHOD. IF ANY DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWINGS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE EOR, THE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.
- REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE EOR DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR THE ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENT.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR ALL SITE AND PERSONNEL SAFETY. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS, EXISTING CONSTRUCTION AND SOIL EXCAVATIONS, AS REQUIRED, AND IN A MANNER SUITABLE TO THE WORK SEQUENCE. TEMPORARY SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH. NO REINFORCING BAR IN EXISTING CONSTRUCTION SHALL BE CUT UNLESS DIRECTED TO BY THE ARCHITECT OR AS SHOWN ON THE DRAWINGS.

DESIGN LOADS AND CRITERIA

ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), 2024 EDITION, AS AMENDED BY THE STATE OF CALIFORNIA

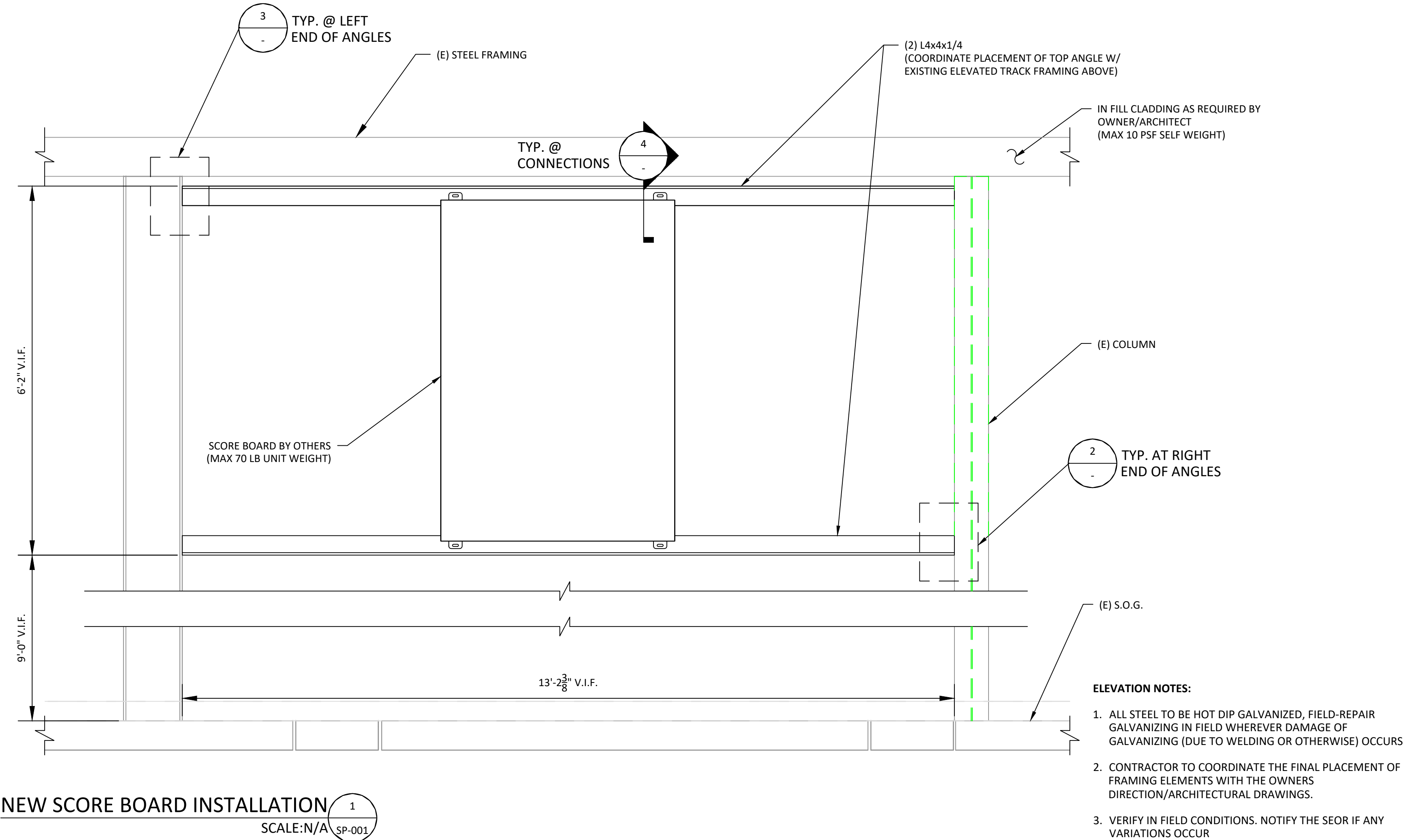
WIND LOADS
THE FOLLOWING WIND LOAD FACTORS WERE DETERMINED USING ASCE 7 CHAPTERS 26-31 IN ACCORDANCE WITH IBC SECTION 1609

ULTIMATE DESIGN WIND SPEED (Vult): 86 MPH
 NOMINAL DESIGN WIND SPEED (Vasd): 67 MPH
 RISK CATEGORY: II
 WIND EXPOSURE CATEGORY: D
 INTERNAL PRESSURE COEFFICIENT: -0.18

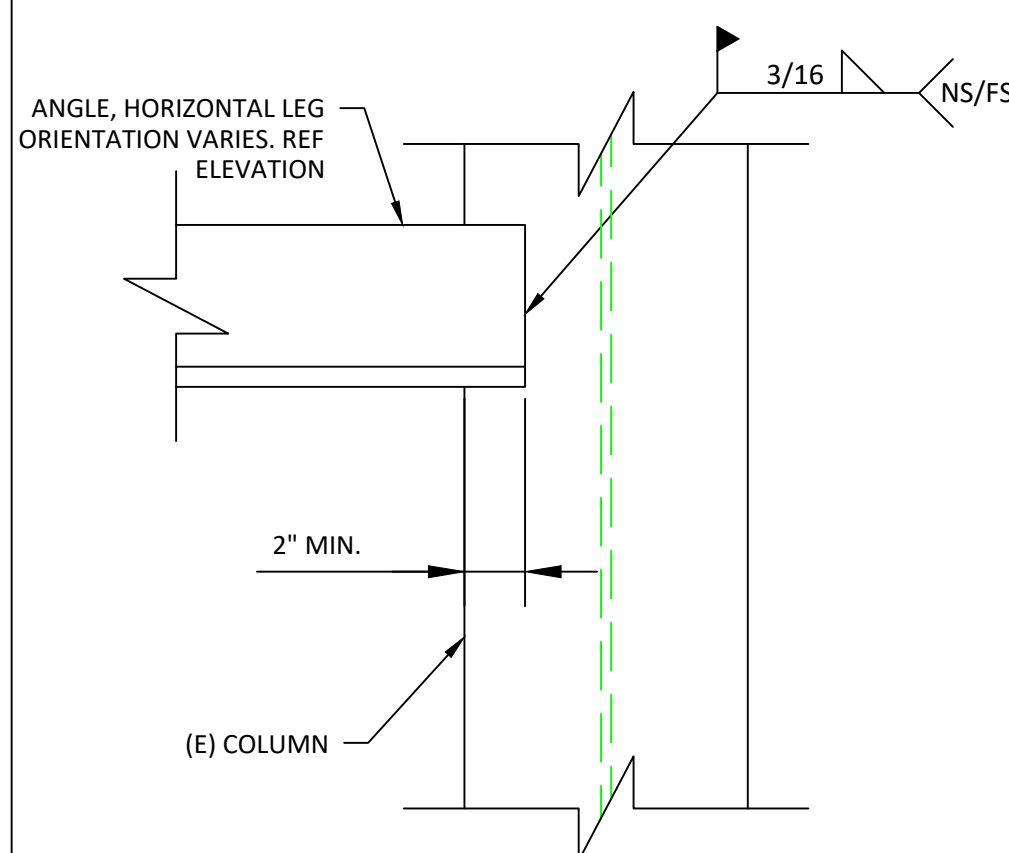
UNLESS NOTED OTHERWISE, COMPONENT AND CLADDING DESIGN WIND PRESSURES SHALL BE DETERMINED USING ASCE 7 CHAPTER 30 BY THE REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE PROJECT STATE WHO IS RESPONSIBLE FOR THE DESIGN OF SUCH ELEMENTS.

SEISMIC LOADS
THE FOLLOWING SEISMIC LOAD FACTORS WERE DETERMINED USING ASCE 7 CHAPTERS 11-23 IN ACCORDANCE WITH IBC SECTION 1613.

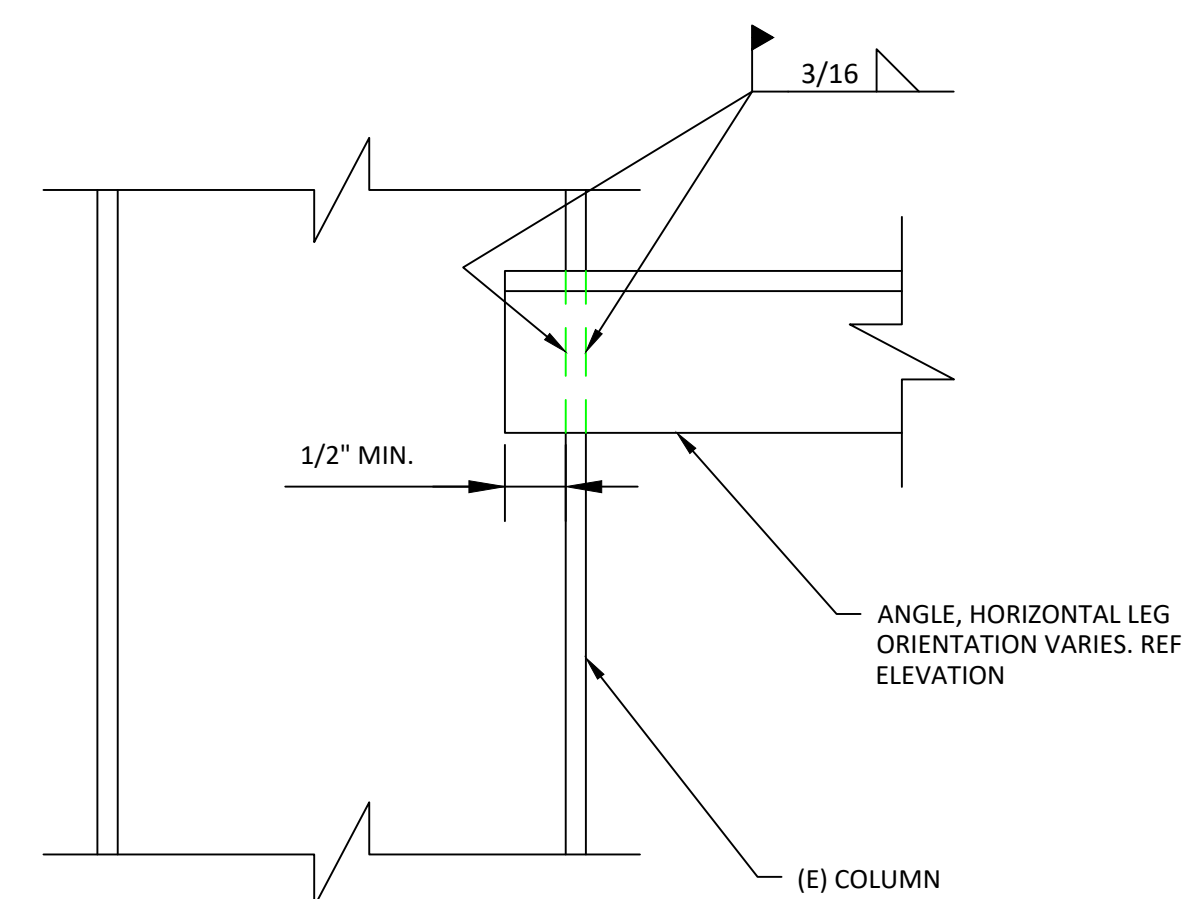
SEISMIC DESIGN CATEGORY: D
 RISK CATEGORY: II
 IMPORTANT FACTOR: 1.0
 SITE CLASS: D
 Ss = 0.64 g Sds = 0.61 g
 S1 = 0.22 g Sd1 = 0.39 g



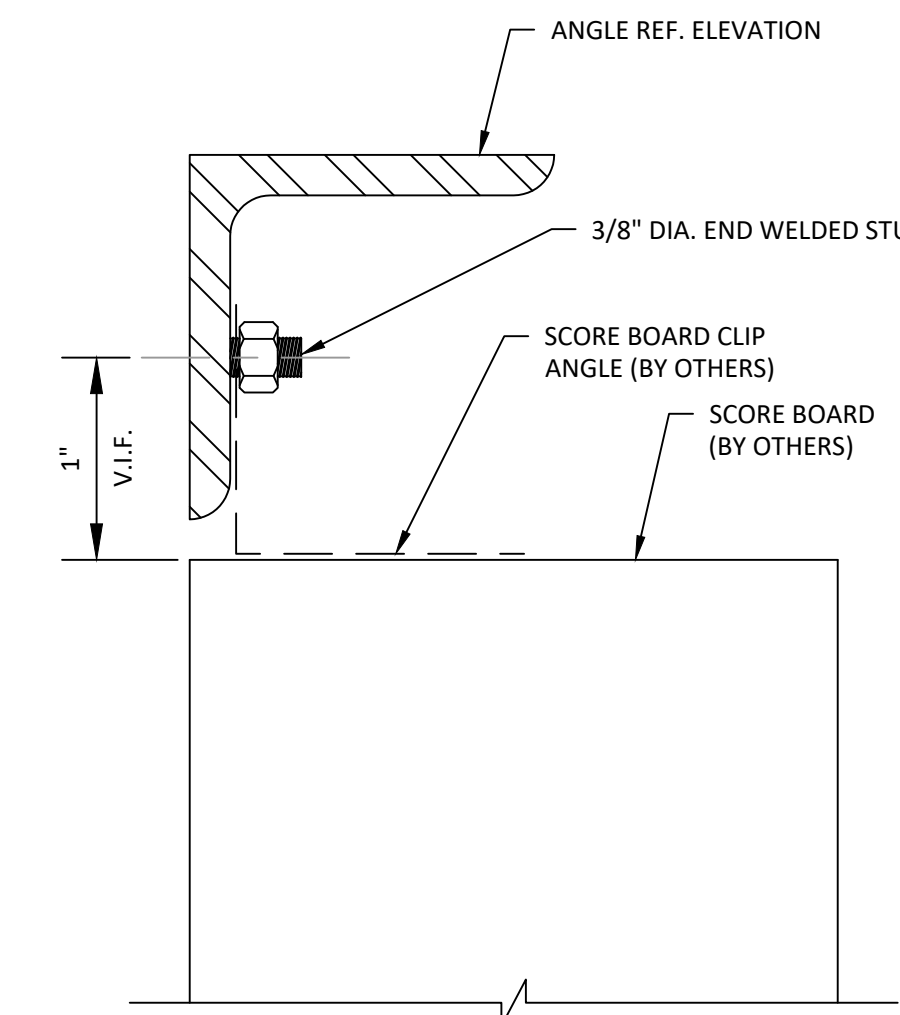
NEW SCORE BOARD INSTALLATION 1
SCALE: N/A SP-001



ANGLE SUPPORT TO EXISTING COLUMN 2
SCALE: N/A



ANGLE SUPPORT TO EXISTING COLUMN 3
SCALE: N/A



SCORE BOARD SUPPORT DETAIL 4
SCALE: N/A

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REVISIONS	
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△	ISSUED FOR BIDDING
	05/22/2026

SHEET **S-001**
SCOREBOARD STRUCTURAL

JOB NO. C11940
DATE CREATED 05/02/2026

**ISSUED FOR BIDDING
NOT FOR CONSTRUCTION**

APPLICABLE CODES:

2025 CALIFORNIA BUILDING CODE (CBC)
2025 CALIFORNIA MECHANICAL CODE (CMC)
2025 CALIFORNIA PLUMBING CODE (CPC)
2025 CALIFORNIA ELECTRICAL CODE (CEC)
2025 CALIFORNIA FIRE CODE (CFC PART 6)
2025 CALIFORNIA ENERGY CODE (CEC)
2025 CALIFORNIA HISTORICAL BUILDING CODE (CHBC)
2025 CALIFORNIA EXTENSIVE BUILDING CODE (CEBC)
2025 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBCS)
2022 ANSI STANDARDS FOR POOL DRAINS

THE FOLLOWING CODES AND STANDARDS ARE FROM THE 2025 CALIFORNIA BUILDING CODE CHAPTER 318 FOR PUBLIC POOLS.

PIPING AND COMPONENTS:

LINE SIZES:

-PIPES SHALL BE SIZED SO FLOW VELOCITY SHALL NOT EXCEED 6 FEET PER SECOND IN ANY SECTION OR COPPER PIPING.
-PIPES SHALL BE SIZED SO FLOW VELOCITY SHALL NOT EXCEED 8 FEET PER SECOND IN ANY PORTION OF THE RETURN SYSTEM.

MATERIALS:

-ALL PIPING, TUBING, AND FITTINGS SHALL COMPLY WITH THE APPLICABLE STANDARDS FOR POTABLE WATER SYSTEM MATERIALS SET FORTH IN CHAPTER 6 OF THE CALIFORNIA PLUMBING CODE.
-UNLESS NOTED OTHERWISE, ALL PIPE IS TO BE SCHEDULE 40 PVC.

GAUGES:

-A PRESSURE AND VACUUM GAUGE SHALL BE PROVIDED FOR EACH PUMP SYSTEM. EACH GAUGE SHALL HAVE A SCALE RANGE APPROXIMATELY 1 1/4 TIMES THE MAXIMUM ANTICIPATED WORKING PRESSURE OR VACUUM AND SHALL BE ACCURATE WITHIN 2 PERCENT OF SCALE. THE PRESSURE GAUGE LOCATED ON THE FILTER SHALL BE MARKED WITH THE CLEAN START UP PRESSURE READING.

FLOW METER:

-A FLOW METER SHALL BE PROVIDED ON EACH RECIRCULATION SYSTEM ACCURATE TO WITHIN 10 PERCENT OF FLOW AND INSTALLED ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS WITH INCREMENTS IN THE RANGE OF NORMAL FLOW.

BASKET STRAINER:

-A BASKET STRAINER SHALL BE PROVIDED ON THE SUCTION SIDE OF THE RECIRCULATION PUMP. A BASKET STRAINER WILL NOT BE REQUIRED ON PUMPS CONNECTED TO VACUUM FILTERS WHERE THE FILTER ELEMENTS ARE NOT REMOVED FOR CLEANING.

BACKWASH PIPING:

-PIPING, INCLUDING NECESSARY VALVES CONFORMING TO SECTION 3125B.1, SHALL BE PROVIDED FOR EACH FILTER VESSEL OR ELEMENT WHICH REQUIRES PERIODIC BACK-WASHING. BACKWASH DISCHARGE TO BE ROUTED TO SANITARY SEWER WITH AIR GAP.

VALVES:

-VALVES SHALL NOT BE LOCATED IN ANY DECK AREA SURROUNDING A POOL. VALVES SHALL BE INSTALLED ON ALL RECIRCULATION, BACKWASHING AND DRAIN SYSTEM LINES WHICH REQUIRE SHUT/OFF ISOLATION, ADJUSTMENT OR CONTROL OF THE RATE OF FLOW. EACH VALVE SHALL BE INSTALLED IN THE EQUIPMENT AREA AND LABELED AS TO ITS PURPOSE.

WALTER SUPPLY INLETS:

-EACH POOL SHALL BE SUPPLIED WITH POTABLE WATER BY MEANS OF A PERMANENTLY INSTALLED PIPELINE FROM A PUBLIC WATER SUPPLY SYSTEM HOLDING A PERMIT FROM THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH OR FROM A SOURCE APPROVED BY THE ENFORCING AGENCY.

BACKFLOW PREVENTION:

THERE SHALL BE NO DIRECT CONNECTION BETWEEN ANY POTABLE WATER SUPPLY SYSTEM AND THE POOL OR ITS PIPING SYSTEM UNLESS PROTECTED BY A BACKFLOW PREVENTION DEVICE IN ACCORDANCE WITH CHAPTER 6 OF THE CALIFORNIA PLUMBING CODE.

MAKEUP WATER:

-AUTOMATIC MAKEUP WATER FLOW CONTROLS WITH A MANUAL OVERRIDE CONTROL SHALL BE PROVIDED TO MAINTAIN THE PROPER POOL WATER LEVEL.

FILTERS:

-ALL FILTERS, REGARDLESS OF TYPE, SHALL BE DESIGNED AND CONSTRUCTED ACCORDING TO THE APPLICABLE REQUIREMENTS ESTABLISHED BY THE NSF/ANSI 50-2012 PERFORMANCE STANDARD EFFECTIVE SEPTEMBER 2012.
-EACH FILTER VESSEL SHALL BE INSTALLED, PIPED AND PROVIDED WITH VALVES SO THAT IT CAN BE ISOLATED FROM THE RECIRCULATION SYSTEM FOR REPAIRS AND BACKWASHING. EACH FILTER VESSEL SHALL BE PROPERLY ANCHORED DOWN TO THE FLOOR PER MANUFACTURERS SPECIFICATIONS.

SKIMMING SYSTEMS SECTION:

-THE POOL SHALL BE EQUIPPED WITH ONE OR MORE SKIMMING METHODS TO PROVIDE CONTINUOUS SKIMMING OF THE POOL WATER AND SHALL BE CAPABLE OF CONTINUALLY WITHDRAWING NOT LESS THAN 100 PERCENT OF THE FLOW RATE.

EACH SURFACE SKIMMER SHALL COMPLY WITH THE FOLLOWING PROVISIONS:

1. THE SKIMMER SHALL BE RECESSED INTO THE POOL WALL, AND
2. THE SKIMMER SHALL BE INDIVIDUALLY ADJUSTABLE FOR THE RATE OF FLOW WITH EITHER AN EXTERNAL OR INTERNAL DEVICE; AND
3. IF USED, A SKIMMER EQUALIZER SUCTION OUTLET SHALL BE CONNECTED TO AT LEAST TWO SUCTION GATE ASSEMBLIES THAT MEET THE NSF/ASPP-16 2012 PERFORMANCE STANDARD AND ARE LOCATED AT LEAST 3 FEET (915 MM) APART IN ANY DIMENSION BETWEEN THE SUCTION OUTLETS; AND
4. THE SKIMMER WEIR SHALL AUTOMATICALLY ADJUST TO VARIATIONS IN THE POOL WATER LEVEL OVER A RANGE OF NOT LESS THAN 4 INCHES (102 MM); AND
5. EACH SKIMMER SHALL BE PROVIDED WITH A REMOVABLE AND CLEANABLE SCREEN OR BASKET TO TRAP OBJECTS, THE SCREEN OR BASKET SHALL BE ACCESSIBLE THROUGH AN OPENING IN THE DECK ABOVE THE SKIMMER; AND
6. THERE SHALL BE A MINIMUM OF ONE SKIMMER FOR EVERY 500 SQUARE FEET OR LESS OF POOL WATER SURFACE AREA OR AN ADEQUATE NUMBER TO MEET 100 PERCENT OF PUMP FLOW AT THE MANUFACTURER'S MAXIMUM FLOW RATE, WHICHEVER IS GREATER; AND
7. EACH SKIMMER SHALL BE LOCATED IN RELATION TO POOL INLETS TO AID RECIRCULATION AND SURFACE SKIMMING; AND
8. ALL SURFACE SKIMMERS SHALL COMPLY WITH APPLICABLE REQUIREMENTS ESTABLISHED BY THE NSF/ANSI 50-2012 PERFORMANCE STANDARD EFFECTIVE SEPTEMBER 2012.

POOL FITTINGS:

-OUTLETS: EACH POOL SHALL BE PROVIDED WITH A MAIN DRAIN SUBMERGED SUCTION OUTLET TYPICALLY LOCATED AT THE BOTTOM OF A POOL THAT CONDUCTS WATER TO A RECIRCULATING PUMP. SUCTION OUTLETS SHALL COMPLY WITH ALL OF THE FOLLOWING PROVISIONS:

1. EACH PUMP ON A POOL SYSTEM SHALL BE CONNECTED TO AT LEAST TWO SUCTION OUTLETS. THE SUCTION OUTLETS SHALL BE HYDRAULICALLY BALANCED AND SYMMETRICALLY PLUMBED THROUGH ONE OR MORE "T" FITTINGS AND SHALL BE SEPARATED BY A DISTANCE OF AT LEAST 3 FEET (915 MM) IN ANY DIMENSION BETWEEN THE SUCTION OUTLETS; AND
2. ALL SUCTION OUTLETS SHALL BE EQUIPPED WITH SUCTION FITTINGS THAT MEET THE ANSI/ASPP-16 2011 PERFORMANCE STANDARD; AND
3. THE VELOCITY OF THE SUCTION PIPING INSTALLED BETWEEN THE SUCTION OUTLETS SHALL NOT EXCEED 3 FEET PER SECOND UNDER NORMAL OPERATION, OR 6 FEET PER SECOND IF ONE OUTLET IS BLOCKED; AND
4. HYDROSTATIC RELIEF DEVICES, IN AREAS WITH A HIGH-GROUND-WATER TABLE, OR AS REQUIRED BY LOCAL PLUMBING CODES, A HYDROSTATIC RELIEF DEVICE SHALL BE INSTALLED, WHEN USED IN CONJUNCTION WITH A SAFETY VACUUM RELEASE SYSTEM, THE HYDROSTATIC RELIEF DEVICE MUST MEET THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE SAFETY VACUUM RELEASE SYSTEM.

EXCEPTION: ALTERNATIVE OUTLET LOCATIONS THAT HAVE BEEN DESIGNED BY A LICENSED ENGINEER WHO HAS EXPERIENCE WORKING ON PUBLIC POOLS MAY BE USED IF APPROVED BY THE ENFORCING AGENCY.

-INLET FITTINGS: EACH POOL SHALL BE PROVIDED WITH NOT LESS THAN TWO RECIRCULATION SYSTEM INLETS FOR THE FIRST 10,000 GALLON (37,850 L) CAPACITY AND ONE ADDITIONAL INLET FOR EACH ADDITIONAL 10,000 GALLON (37,850 L) OR LESS CAPACITY.

-INLET FITTINGS SHALL NOT PROTRUDE GREATER THAN 1 -1/4 INCHES INTO THE POOL AND SHALL BE SHAPED, ROUNDED AND SMOOTH.
-INLET FITTINGS SHALL BE LOCATED NO MORE THAN 18 INCHES BELOW THE WATERLINE, EXCEPT FOR A SPA POOL, OR WADING POOL. INLET FITTINGS SHALL BE SEPARATED BY AT LEAST 10 FEET AND SHALL BE LOCATED SO AS TO ENSURE UNIFORM CIRCULATION.

-INLET PROVISIONS SHALL BE MADE FOR ADJUSTING THE VOLUME OF FLOW THROUGH EACH INLET. WALL INLETS SHALL BE CAPABLE OF ADJUSTING THE DIRECTION OF FLOW AND TO PRODUCE SUFFICIENT VELOCITY TO IMPART A SUBSTANTIAL CIRCULATORY MOVEMENT TO THE POOL WATER.

-RETURN INLETS: POOLS THAT ARE GREATER THAN 40 FEET IN WIDTH OR 3,000 SQUARE FEET IN SURFACE AREA SHALL HAVE FLOOR-MOUNTED RETURN INLETS. THE NUMBER OF FLOOR INLETS SHALL BE IN COMPLIANCE WITH SECTION 3137B.2. ALL FLOOR INLET FITTINGS SHALL BE LOCATED TO PROVIDE UNIFORM CIRCULATION AND SHALL BE INSTALLED SO AS TO BE FLUSH WITH THE WATER SURFACE OF THE POOL BOTTOM.

PERMANENT MARKINGS:

-GENERAL: NO MARKINGS, DESIGNS OR LETTERING SHALL BE PERMITTED ON THE POOL SHELL EXCEPT FOR SLIP RESISTANT LANE MARKINGS, DEPTH MARKING LINES AND SAFETY MARKINGS.

-LANE MARKINGS: SLIP RESISTANT LINES AT THE BOTTOM OF THE POOL SHALL NOT EXCEED 12 INCHES IN WIDTH.

-DEPTH MARKING LINE: THERE SHALL BE INSTALLED A STRAIGHT LINE OF SLIP RESISTANT TILE A MINIMUM OF 4 INCHES (102 MM) AND NOT GREATER THAN 6 INCHES (152 MM) WIDE OF A COLOR CONTRASTING WITH THE BACKGROUND OF THE POOL SHELL ACROSS THE BOTTOM OF THE POOL WHERE THE WATER DEPTH IS 4 1/2 FEET (1372 MM). EXCEPTION: POOLS HAVING A MAXIMUM WATER DEPTH OF 5 FEET (1524 MM) OR LESS SHALL NOT BE REQUIRED TO HAVE A DEPTH MARKING LINE.

-WATER DEPTH MARKERS:

THE WATER DEPTH SHALL BE CLEARLY MARKED AT THE FOLLOWING LOCATIONS:

1. MAXIMUM DEPTH; AND

2. MINIMUM DEPTH; AND

3. EACH END; AND

4. BOTH SIDES AT THE SHALLOWEST AND DEEPEST PART OF THE POOL; AND

5. AT THE BREAK IN THE BOTTOM SLOPE BETWEEN THE SHALLOW AND DEEP PORTIONS OF THE POOL (SEE ALSO SECTION 3109B.3); AND

6. ALONG THE PERIMETER OF THE POOL AT DISTANCES NOT TO EXCEED 25 FEET (7620 MM).

EXCEPTION: A SPA OR WADING POOL SHALL HAVE A MINIMUM OF TWO DEPTH MARKERS INDICATING THE MAXIMUM DEPTH.

-WHERE REQUIRED BY SECTION 3108B.4, DEPTH MARKERS SHALL BE LOCATED AS FOLLOWS:

1. ON THE COPING OR ON THE DECK, THE DEPTH MARKERS SHALL BE PLACED AS CLOSE AS POSSIBLE BUT NO MORE THAN 3 FEET FROM THE POOL WATER, AND
2. FOR POOLS WITH SKIMMER SYSTEMS THE DEPTH MARKERS SHALL BE HIGH AT THE WATERLINE WHICH TYPICALLY WILL RESULT IN THE DEPTH MARKERS BEING SUBMERGED APPROXIMATELY 50 PERCENT; OR
3. FOR POOLS WITH PERIMETER OVERFLOW SYSTEMS WHERE COPING CANTILEVERS OVER THE GUTTER DEPTH MARKERS MAY BE POSITIONED AT THE FACE OF THE CANTILEVERS COPIING, THE BACK WALL ABOVE THE GUTTER OR IMMEDIATELY BELOW THE WATERLINE WHICH WILL RESULT IN THE DEPTH MARKERS BEING COMPLETELY SUBMERGED; OR
4. FOR POOLS WITH BM FLOW GUTTERS, DEPTH MARKERS SHALL BE POSITIONED IMMEDIATELY BELOW THE WATERLINE WHICH WILL RESULT IN THE DEPTH MARKERS BEING COMPLETELY SUBMERGED.

-DEPTH MARKERS SHALL BE POSITIONED TO INDICATE THE WATER DEPTH ACCURATE TO THE NEAREST 6 INCHES (152 MM) AS MEASURED AT THE WATERLINE.

-DEPTH MARKERS SHALL:

1. HAVE NUMERALS A MINIMUM OF 4 INCHES IN HEIGHT AND OF A COLOR CONTRASTING WITH THE BACKGROUND AND BE MARKED IN UNITS OF FEET AND INCHES. ABBREVIATIONS OF FT AND IN MAY BE USED IN LEU OF FEET AND INCHES; AND
 2. BE MADE OF DURABLE MATERIAL THAT IS RESISTANT TO WEATHERING; AND
 3. BE SLIP RESISTANT WHEN THEY ARE LOCATED ON THE POOL DECK.
- FOR POOL WATER DEPTHS 6 FEET OR LESS USE DIVING MARKERS WITH THE UNIVERSAL SYMBOL OF NO DIVING, WHICH IS A RED CIRCLE WITH A SLASH THROUGH IT SUPERIMPOSED OVER THE IMAGE OF A DIVER. SHALL BE INSTALLED ON THE DECK DIRECTLY ADJACENT TO THE DEPTH MARKERS REQUIRED BY SECTION 3108B.4.1. NO DIVING MARKERS SHALL COMPLY WITH SECTION 3108B.4.1(2)-3.

RECESSED STEPS, LADDERS AND STAIRS:

-CONSTRUCTION: A MEANS OF ENTRY AND EXIT TO AND FROM THE POOL SHALL CONSIST OF STEPS, RECESSED STEPS, LADDERS, STAIRS, RAMPS OR A COMBINATION OF THESE. STAIRS OR RAMPS SHALL BE PROVIDED IN THE SHALLOWEST PORTION OF A POOL IF THE VERTICAL DISTANCE FROM THE BOTTOM OF THE POOL TO THE DECK IS OVER 1 FOOT. IN POOLS WITH MORE THAN ONE SHALLOW END, STAIRS OR RAMPS SHALL BE PROVIDED AT A MINIMUM AT ONE SHALLOW END. A SECOND MEANS OF ENTRY AND EXIT SHALL BE PROVIDED IN THE DEEP PORTION OF A POOL HAVING A DEPTH GREATER THAN 4 1/2 FEET. WHERE THE WIDTH OF THE POOL EXCEEDS 30 FEET, SUCH MEANS OF ENTRY AND EXIT SHALL BE PROVIDED AT EACH SIDE, NOT MORE THAN 100 FEET APART.

-LADDERS: LADDERS SHALL BE CORROSION RESISTANT AND SHALL BE EQUIPPED WITH SLIP RESISTANT TREAD SURFACES. LADDERS SHALL BE RIGIDLY INSTALLED AND SHALL PROVIDE A CLEARANCE OF NOT LESS THAN 3 INCHES OR MORE THAN 5 INCHES BETWEEN ANY PART OF THE LADDER AND THE POOL WALL.

-STAIRS: EACH STEP OF A STAIR SHALL HAVE A TREAD IN ACCORDANCE WITH FIGURE 318-7. RISERS SHALL CONFORM TO FIGURE 318-7. AT LEAST ONE HAND RAIL SHALL BE PROVIDED EXTENDING FROM THE DECK TO NOT LESS THAN A POINT ABOVE THE TOP OF THE LOWEST STEP INSTALLED IN ACCORDANCE WITH FIGURE 318-7.
-LADDERS AND RECESSED STEP DIMENSIONS: LADDER TREADS AND RECESSED STEPS SHALL HAVE A MINIMUM TREAD OF 5 INCHES AND A WIDTH OF 14 INCHES AND SHALL BE DESIGNED TO BE READILY CLEANED. STEP RISERS SHALL BE UNIFORM AND SHALL NOT EXCEED 12 INCHES IN HEIGHT. THE FIRST RISER SHALL BE MEASURED FROM THE DECK.

-HANDRAILS FOR LADDERS AND RECESSED STEPS: HANDRAILS SHALL BE PROVIDED AT THE TOP OF BOTH SIDES OF EACH LADDER AND RECESSED STEPS AND SHALL EXTEND OVER THE COPING OR EDGE OF THE DECK.

-DIMENSIONAL TOLERANCES: FINISHED STEP TREAD AND RISER CONSTRUCTION TOLERANCES SHALL BE ±1/2 INCH.

[D5A-AC] ADDITIONAL REQUIREMENTS MAY APPLY. REFER TO CHAPTER 118 FOR ACCESSIBILITY PROVISIONS APPLICABLE TO PUBLIC ACCOMMODATIONS, COMMERCIAL BUILDINGS AND PUBLIC BUILDINGS.

HANDHOLDS:

-EVERY POOL SHALL BE PROVIDED WITH HANDHOLDS (PERIMETER OVERFLOW SYSTEM, BULL-NOSED COPING OR CANTILEVERED DECKING) AROUND THE ENTIRE PERIMETER INSTALLED NOT GREATER THAN 9 INCHES (229 MM) ABOVE THE WATERLINE.

EXCEPTION: HANDHOLDS ARE NOT REQUIRED FOR WADING POOLS.
-WHERE PERIMETER OVERFLOW SYSTEMS ARE NOT PROVIDED, A BULL-NOSED COPING OR CANTILEVERED DECKING OF REINFORCED CONCRETE, OR MATERIAL EQUIVALENT IN STRENGTH AND DURABILITY, WITH ROUNDED SLIP RESISTANT EDGES SHALL BE PROVIDED. THE OVERHANG FOR EITHER BULL-NOSED COPING OR CANTILEVERED DECKING SHALL NOT EXCEED 2 INCHES (51 MM) OR BE LESS THAN 1 INCH (25 MM) AND SHALL NOT EXCEED 2 1/2 INCHES (64 MM) IN THICKNESS.

EXCEPTION: THE ENFORCING AGENCY MAY ACCEPT OTHER HANDHOLD FOR SPA POOLS.

POOL DECKING:

-A MINIMUM CONTINUOUS AND UNOBSTRUCTED 4-FOOT WIDE SLIP RESISTANT, CLEANABLE, NONABRASIVE DECK AREA OF CONCRETE OR LIKE MATERIAL SHALL BE PROVIDED FLUSH WITH THE TOP OF THE POOL COPING EXTENDING COMPLETELY AROUND THE POOL, AND THE DECK AREA SHALL FURTHER EXTEND 4 FEET ON BOTH SIDES AND REAR OF ANY DIVING BOARD, FIXED DISABLED ACCESS ASSISTANCE DEVICE OR SLIDE AND THEIR APPURTENANCES. THE DECK WIDTH SHALL BE MEASURED FROM THE POOLSIDE EDGE OF THE COPING LIP.
EXCEPTION: A DECK AT LEAST 4 FEET IN WIDTH SHALL EXTEND AROUND A CONTINUOUS 50 PERCENT OR MORE OF THE PERIMETER OF A SPA POOL.

-DECK BETWEEN POOLS AND/OR SPAS: WHERE MULTIPLE POOLS AND/OR SPAS ARE BUILT ADJACENT TO EACH OTHER, THE DECK WIDTH SEPARATING THEM SHALL BE A MINIMUM OF 6 FEET.

-DECK SLOPE: THE POOL'S DECK SURFACE SHALL HAVE A SLOPE OF NO LESS THAN 1 PERCENT (1/8 INCH PER FOOT) BUT NO MORE THAN 2 PERCENT (1/4 INCH PER FOOT) AWAY FROM THE POOL TO A DECK DRAINAGE SYSTEM THAT SHALL BE CONSTRUCTED AND FINISHED TO PREVENT STANDING WATER.

-DECK COVERINGS: DECK COVERINGS OR OTHER MATERIALS THAT ARE NOT EQUIVALENT TO CONCRETE IN STRENGTH, DURABILITY AND SLIP RESISTANCE AND ARE NOT ABLE TO WITHSTAND REPEATED BRUSHING, SCRUBBING OR CLEANING PROCEDURES SHALL NOT BE INSTALLED OR USED WITHIN 4 FEET OF THE POOL.

-UNPAVED AREAS: LANDSCAPE PLANTS, FLOWER BEDS OR SIMILAR UNPAVED AREAS SHALL NOT BE LOCATED WITHIN 4 FEET OF A SPA POOL.

POOL LIGHTING:

POOLS SHALL HAVE UNDERWATER AND DECK LIGHTING SUCH THAT LIFEGUARDS OR OTHER PERSONS MAY OBSERVE, WITHOUT INTERFERENCE FROM DIRECT AND REFLECTED GLARE FROM THE LIGHTING SOURCES, EVERY PART OF THE UNDERWATER AREA AND POOL SURFACE, ALL DIVING BOARDS OR OTHER POOL APPURTENANCES. UNDERWATER OR DECK SURFACE LIGHTING IS NOT OPERATIONAL, THE OPERATOR OF THE POOL SHALL SECURE THE POOL AREA AND NOT PERMIT ANY USE OF THE POOL AFTER DARK AND SHALL POST THE SAME SIGN AS REQUIRED IN SECTION 3120B.9.

NOTE: SEE PART 3, ARTICLE 3-640, TITLE 24, CALIFORNIA CODE OF REGULATIONS FOR ELECTRICAL INSTALLATION REQUIREMENTS.
-NIGHTTIME USE: POOLS USED AT NIGHT SHALL BE EQUIPPED WITH UNDERWATER LIGHTING FIXTURES THAT WILL PROVIDE COMPLETE ILLUMINATION AT ALL UNDERWATER AREAS OF THE POOL WITH NO BLIND SPOTS. ILLUMINATION SHALL ENABLE A LIFE GUARD OR OTHER PERSONS TO DETERMINE WHETHER:

A POOL USER IS LYING ON THE BOTTOM OF THE POOL; AND

THE POOL WATER CONFORMS TO THE DEFINITION OF "CLEAR POOL WATER."

EXCEPTION: POOLS PROVIDED WITH A SYSTEM OF OVERHEAD LIGHTING FIXTURES WHERE IT CAN BE DEMONSTRATED TO THE ENFORCING AGENCY THAT THE SYSTEM IS EQUIVALENT TO THE UNDERWATER LIGHTING FIXTURE SYSTEM.

-DECK AREA LIGHTING: WHEN THE POOL IS TO BE USED AT NIGHT, POOL DECK AREAS AND EMERGENCY EGRESS AREAS SHALL BE PROVIDED WITH LIGHTING SO THAT PERSONS WALKING ON THE DECK CAN IDENTIFY HAZARDOUS LIGHTING FIXTURES THAT SHALL BE AIMED TOWARDS THE DECK AREA AND AWAY FROM THE POOL SURFACE INsofar AS PRACTICAL.

POOL ENCLOSURE:

THE POOL SHALL BE ENCLOSED BY ONE OR A COMBINATION OF THE FOLLOWING: A FENCE, PORTION OF A BUILDING, WALL OR OTHER APPROVED DURABLE ENCLOSURE. DOORS, OPENING WINDOWS, GATES OR LIVING UNITS OR ASSOCIATED PRIVATE PREMISES SHALL NOT BE PERMITTED AS PART OF THE POOL ENCLOSURE. THE ENCLOSURE, DOORS AND GATES SHALL MEET ALL OF THE FOLLOWING SPECIFICATIONS:

1. THE ENCLOSURE SHALL HAVE A MINIMUM EFFECTIVE PERPENDICULAR HEIGHT OF 5 FEET AS MEASURED FROM THE OUTSIDE AS DEPICTED IN FIGURE 318-4; AND
2. OPENINGS, HOLES OR GAPS IN THE ENCLOSURE, DOORS AND/OR GATES SHALL NOT ALLOW THE PASSAGE OF A 4-INCH DIAMETER SPHERE. THE ENCLOSURE SHALL BE CONSTRUCTED OVER A HARD AND PERMANENT MATERIAL EQUIVALENT TO CONCRETE; AND
3. THE ENCLOSURE SHALL BE DESIGNED AND CONSTRUCTED SO THAT IT CANNOT BE REARDED, CLIMBED BY SMALL CHILDREN, HORIZONTAL AND DIAGONAL MEMBER DESIGNS WHICH MIGHT SERVE AS A LADDER FOR SMALL CHILDREN ARE PROHIBITED. HORIZONTAL MEMBERS SHALL BE SPACED AT LEAST 48 INCHES APART. NO PLATFORMS OR OTHER STRUCTURES THAT CAN BE CLIMBED SHALL BE PERMITTED WITHIN 5 FEET OF THE OUTSIDE OF THE ENCLOSURE OR WITHIN A 1 FOOT ARC AS DEPICTED IN FIGURE 318-5. THE AREA 5 FEET OUTSIDE OF THE POOL ENCLOSURE SHALL BE A COMMON AREA OPEN TO THE PUBLIC; AND
4. CHAIN LINK MAY BE USED, PROVIDED THAT THE OPENINGS ARE NOT GREATER THAN 1-3/4 INCHES MEASURED HORIZONTALLY.

GATES:

GATES AND DOORS OPENING INTO THE POOL ENCLOSURE ALSO SHALL MEET THE FOLLOWING SPECIFICATIONS:

1. GATES AND DOORS SHALL BE EQUIPPED WITH SELF-CLOSING AND SELF-LATCHING DEVICES. THE SELF-LATCHING DEVICE SHALL KEEP THE GATE OR DOOR SECURELY CLOSED. GATES AND DOORS SHALL OPEN OUTWARDS AWAY FROM THE POOL, EXCEPT WHERE OTHERWISE PROHIBITED BY LAW. HAND ACTUATED DOOR OR GATE OPENING HARDWARE SHALL BE LOCATED AT A HEIGHT NO LOWER THAN 42 INCHES BUT NO HIGHER THAN 44 INCHES ABOVE THE DECK OR WALKWAY; AND
2. GATES AND DOORS SHALL BE CAPABLE OF BEING LOCKED DURING TIMES WHEN THE POOL IS CLOSED. EXIT DOORS WHICH COMPLY WITH CHAPTER 10, TITLE 24, CALIFORNIA CODE OF REGULATIONS SHALL BE CONSIDERED AS MEETING THESE REQUIREMENTS; AND
3. THE POOL ENCLOSURE SHALL HAVE AT LEAST ONE MEANS OF EGRESS WITHOUT A KEY FOR EMERGENCY PURPOSES, UNLESS ALL GATES OR DOORS ARE SO EQUIPPED. THOSE GATES AND/OR DOORS WHICH WILL ALLOW EGRESS WITHOUT A KEY SHALL HAVE A SIGN IN LETTERS AT LEAST 4 INCHES HIGH STATING EMERGENCY EXIT; AND
4. THE ENCLOSURE SHALL BE CONSTRUCTED SO THAT ALL PERSONS WILL BE REQUIRED TO PASS THROUGH COMMON POOL ENCLOSURE GATES OR DOORS IN ORDER TO GAIN ACCESS TO THE POOL AREA. ALL GATES AND DOORS EXITING THE POOL AREA SHALL OPEN INTO A PUBLIC AREA OR A WALKWAY ACCESSIBLE BY ALL PATRONS OF THE POOL.

POOL REQUIRED SIGNS:

ALL SIGNS SHALL HAVE LEGIBLE LETTERS OR NUMBERS NOT LESS THAN 4 INCHES (102 MM) HIGH, UNLESS OTHERWISE REQUIRED IN THIS SECTION, AFFIXED TO A WALL, POLE, GATE OR SIMILAR PERMANENT STRUCTURE IN A LOCATION VISIBLE TO ALL POOL USERS.

POOL USER CAPACITY SIGN:

A SIGN SHALL INDICATE THE MAXIMUM NUMBER OF POOL USERS PERMITTED FOR EACH POOL.

-SPA SIGNS: THE POOL USER CAPACITY OF A SPA POOL SHALL BE BASED ON ONE POOL USER FOR EVERY 10 SQUARE FEET OF POOL WATER SURFACE AREA.

-OTHER POOLS: THE POOL USER CAPACITY FOR ALL OTHER POOLS SHALL BE BASED ON ONE POOL USER FOR EVERY 20 SQUARE FEET OF POOL WATER SURFACE AREA.

EXCEPTION: POOL USER CAPACITY REQUIREMENTS DO NOT APPLY TO WADING POOLS OR SPRAY GROUNDS.

-NO DIVING SIGNS: SIGNS SHALL BE POSTED IN CONSPICUOUS PLACES AND SHALL STATE, "NO DIVING" AT POOLS WITH A MAXIMUM WATER DEPTH OF 6 FEET OR LESS.

-NO LIFE GUARD SIGN: WHERE NO LIFE GUARD SERVICE IS PROVIDED, A SIGN SHALL BE POSTED STATING, "NO LIFE GUARD ON DUTY." THE SIGN ALSO SHALL STATE IN LETTERS AT LEAST 1 INCH HIGH, "CHILDREN SHOULD NOT USE POOL WITHOUT ADULT SUPERVISION."

EXCEPTION: "NO LIFE GUARD SIGN" REQUIREMENT DOES NOT APPLY TO SPRAY GROUNDS THAT HAVE NO STANDING WATER.

-ARTIFICIAL RESPIRATION AND CARDIOPULMONARY RESUSCITATION: AN ILLUSTRATED DIAGRAM WITH TEXT AT LEAST 1/4 INCH HIGH OF ARTIFICIAL RESPIRATION AND CARDIOPULMONARY RESUSCITATION PROCEDURES SHALL BE POSTED.

-EMERGENCY SIGN: THE EMERGENCY TELEPHONE NUMBER #11 WITH NUMBERS NOT LESS THAN 4 INCHES, THE NUMBER OF THE NEAREST EMERGENCY SERVICES AND THE NAME AND STREET ADDRESS OF THE POOL FACILITY WITH NUMBERS AND TEXT NOT LESS THAN 1 INCH SHALL BE POSTED.

-WARNING SIGN FOR A SPA POOL:

3120B.7 WARNING SIGN FOR A SPA POOL

A WARNING SIGN FOR SPA POOLS SHALL BE POSTED STATING, "CAUTION" AND SHALL INCLUDE THE FOLLOWING LANGUAGE IN LETTERS AT LEAST 1 INCH HIGH:

1. ELDERS, PERSONS, PREGNANT WOMEN, INFANTS AND THOSE WITH HEALTH CONDITIONS REQUIRING MEDICAL CARE SHOULD CONSULT WITH A PHYSICIAN BEFORE ENTERING THE SPA.
 2. CHILDREN SHOULD NOT USE SPA WITHOUT ADULT SUPERVISION.
 3. HOT WATER IMMERSION WHILE UNDER THE INFLUENCE OF ALCOHOL, MEDICATIONS, DRUGS OR MEDICINES MAY LEAD TO SERIOUS CONSEQUENCES AND IS NOT RECOMMENDED.
 4. DO NOT USE ALONE.
 5. LONG EXPOSURE MAY RESULT IN HYPERTHERMIA, NAUSEA, DIZZINESS OR Fainting.
- EMERGENCY SHUT-OFF: IN LETTERS AT LEAST ONE INCH (25 MM) HIGH A SIGN SHALL BE POSTED AT THE SPA EMERGENCY SHUT OFF SWITCH STATING, "EMERGENCY SHUT OFF SWITCH."

-NO USE AFTER DARK: WHERE POOLS WERE CONSTRUCTED FOR WHICH LIGHTING WAS NOT REQUIRED, A SIGN SHALL BE POSTED AT EACH POOL ENTRANCE ON THE OUTSIDE OF THE GATE(S) STATING, "NO USE OF POOL ALLOWED AFTER DARK."

-KEEP CLOSED: A SIGN SHALL BE POSTED ON THE EXTERIOR SIDE OF GATES AND DOORS LEADING INTO THE POOL ENCLOSURE AREA STATING, "KEEP GATE CLOSED." OR "KEEP DOOR CLOSED."

[D5A-AC] ADDITIONAL REQUIREMENTS MAY APPLY. REFER TO CHAPTER 118 FOR ACCESSIBILITY PROVISIONS APPLICABLE TO PUBLIC ACCOMMODATIONS, COMMERCIAL BUILDINGS AND PUBLIC BUILDINGS.

-DIARRHEA: THE POOL OPERATOR SHALL POST AT THE ENTRANCE AREA OF A PUBLIC POOL A SIGN IN LETTERS AT LEAST 1 INCH (25 MM) HIGH THAT CLEARLY STATES THAT PERSONS WITH DIARRHEA AND PERSONS WHO HAVE DIARRHEA WITHIN THE PRIOR 14 DAYS SHALL NOT ENTER THE POOL WATER.

-WAVE POOLS: A SIGN IN LETTERS AT LEAST 1 INCH (25 MM) HIGH SHALL BE POSTED THAT DESCRIBES THE REQUIREMENTS FOR WAVE POOLS AS DESCRIBED IN SECTION 115952, HEALTH AND SAFETY CODE.

-SPRAY GROUND SIGN: A SIGN SHALL BE POSTED AT EACH SPRAY GROUND AND BE VISIBLE FROM ANY PART OF THE SPRAY GROUND THAT STATES, "CAUTION: WATER IS AUTOMATICALLY STOP. DO NOT DRINK."

-STAIRS: WHERE AUTOMATIC GASEOUS CHLORINE CHEMICAL FEEDERS ARE USED, A SIGN SHALL BE POSTED AT THE POOL AREA ENTRANCE WHICH SHOWS IN A DIAGRAMMATIC FORM AN EMERGENCY EVALUATION PROCEDURE, DESIGNATED EMERGENCY EXITS SHALL BE MARKED "EXIT."

-GASEOUS OXIDIZER: WHERE AUTOMATIC GASEOUS CHLORINE CHEMICAL FEEDERS ARE USED, A WARNING SIGN WITH THE APPROPRIATE HAZARD IDENTIFICATION SYMBOL SHALL BE POSTED ON THE EXTERIOR SIDE OF THE DOOR ENTERING THE CHEMICAL FEEDER ROOM OR AREA.

THE SIGN SHALL STATE, "DANGER: GASEOUS OXIDIZER - (SPECIFIC CHEMICAL NAME) OR AS OTHERWISE REQUIRED BY THE CALIFORNIA FIRE CODE.

-GASEOUS OXIDIZER: WHERE AUTOMATIC GASEOUS CHLORINE CHEMICAL FEEDERS ARE USED, A WARNING SIGN WITH THE APPROPRIATE HAZARD IDENTIFICATION SYMBOL SHALL BE POSTED ON THE EXTERIOR SIDE OF THE DOOR ENTERING THE CHEMICAL FEEDER ROOM OR AREA.

THE SIGN SHALL STATE, "DANGER: GASEOUS OXIDIZER - (SPECIFIC CHEMICAL NAME) OR AS OTHERWISE REQUIRED BY THE CALIFORNIA FIRE CODE.

-DIRECTION OF FLOW: THE DIRECTION OF FLOW FOR THE RECIRCULATION EQUIPMENT SHALL BE LABELED CLEARLY WITH DIRECTIONAL SYMBOLS SUCH AS ARROWS ON ALL PIPING IN THE EQUIPMENT AREA.

-WHERE THE RECIRCULATION EQUIPMENT FOR MORE THAN ONE POOL IS LOCATED ON SITE, THE EQUIPMENT SHALL BE MARKED AS TO WHICH POOL THE SYSTEM SERVES.

-VALVES AND PLUMBING LINES SHALL BE LABELED CLEARLY WITH THE SOURCE OR DESTINATION DESCRIPTIONS.

INDOOR POOL VENTILATION:

-INDOOR POOLS, DRESSING ROOMS AND TOILET ROOMS SHALL BE VENTILATED ACCORDING TO THE REQUIREMENTS IN CHAPTER 4 OF THE CALIFORNIA MECHANICAL CODE.

GENERAL REQUIREMENTS:

-EACH POOL SHALL BE PROVIDED WITH A SEPARATE RECIRCULATION SYSTEM DESIGNED FOR THE CONTINUOUS RECIRCULATION, FILTRATION AND DISINFECTION OF THE POOL WATER. THE SYSTEM SHALL CONSIST OF PUMPS, FILTERS, CHEMICAL FEEDERS, SKIMMERS OR PERIMETER OVERFLOW SYSTEMS, VALVES, PIPES, CONNECTIONS, FITTINGS AND APPURTENANCES.

EXCEPTION: POOLS USING FRESH WATER EQUIPMENT IN FLOW TO THE REQUIREMENTS OF SECTION 3124B.

NOTE: FRESH MAKEUP POOL WATER SHALL CONFORM TO THE WATER QUALITY STANDARDS OF SECTION 65331, CHAPTER 20, TITLE 22, CALIFORNIA CODE OF REGULATIONS.

-EQUIPMENT: ALL PUMPS, FILTERS, CHEMICAL FEEDERS, SKIMMERS AND SUPPLEMENTAL EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS ESTABLISHED BY THE NSF/ANSI 50-2012 PERFORMANCE STANDARD EFFECTIVE SEPTEMBER 2012.

-INSTALLATION: ALL EQUIPMENT RELATED TO POOL OPERATIONS SHALL BE INSTALLED AND MAINTAINED ACCORDINGS TO THIS CHAPTER AND IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTIONS.

-EQUIPMENT ACCESS: ALL FILTERS, VALVES, PUMPS, STRAINERS AND EQUIPMENT SHALL BE READILY ACCESSIBLE FOR REPAIR AND REPLACEMENT.

-TURNOVER RATES:

THE RECIRCULATION SYSTEM SHALL HAVE THE CAPACITY TO PROVIDE A COMPLETE TURNOVER OF POOL WATER IN:

- ONE-HALF HOUR OR LESS FOR A SPA POOL; AND
- ONE-HALF HOUR OR LESS FOR A SPRAY GROUND; AND
- ONE HOUR OR LESS FOR A WADING POOL; AND
- TWO HOURS OR LESS FOR A MEDICAL POOL; AND
- SIX HOURS OR LESS FOR ALL OTHER TYPES OF PUBLIC POOLS.

CHEMICALS:

CHEMICAL FEEDERS: ALL CHEMICAL FEEDERS INCLUDING DISINFECTANT FEEDERS AND THE AUXILIARY FEEDERS USED FOR SOLUTIONS, SLURRIES OR SOLIDS, ALONG WITH COMPONENTS SUCH AS PUMPS, STRAINERS, TUBING CONNECTIONS, TANKS AND INJECTION FITTINGS SHALL COMPLY WITH THE PROVISIONS OF THIS SECTION.

1. BE MAINTAINED AND REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS; AND

2. BE CONSTRUCTED WITH AN ADJUSTABLE OUTPUT RATE DEVICE TO PREVENT REPEATED ADJUSTMENTS WITHOUT LOSS OF OUTPUT RATE ACCURACY AND INDICATED BY AN AUTOMATIC CHEMICAL MONITORING AND CONTROL SYSTEM THAT REGULATES, AT A MINIMUM, PH, AND DISINFECTANT; AND

3. MEET THE APPLICABLE REQUIREMENTS ESTABLISHED BY THE NSF/ANSI 50-2012 PERFORMANCE STANDARD EFFECTIVE SEPTEMBER 2012.

-PIPING: