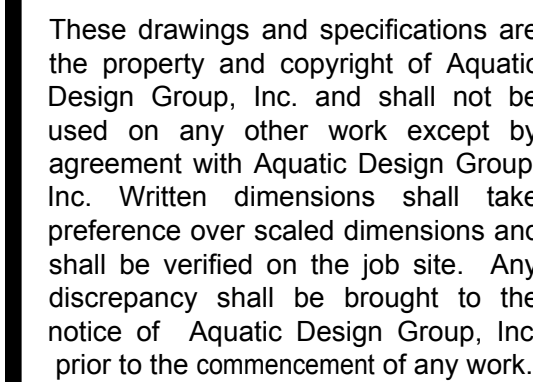




ADDITIONAL INFORMATION

REVISIONS

[illegible]

ARCHITECT



DRAWING TITLE

DEMOLITION PLAN

PROJECT NO.	2024.023
DRAWN BY	GN
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DATE	07/14/20

DRAWING NO.

DP-1

- (1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR POOL DRAIN DOWN UNDER SUPERVISION OF THE OWNER. THE OWNER SHALL STORE ANY ITEMS WANTING TO BE PRESERVED AND REINSTALLED. CARE IS TO BE TAKEN TO RELIEVE ANY HYDROSTATIC PRESSURE THROUGH EXISTING HYDROSTATIC RELIEF VALVES AND DRAINING THE POOL SLOWLY.
- (2) THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH ALL OTHER TRADES, AND SHALL PROTECT ALL EXISTING WORK, BUILDINGS, AND UTILITIES. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL EXISTING AND UNDERLAINING DRAINING CONDUIT WATER/SEWER/STORM DRAIN LINES, ETC. TO REMAIN AS REQUIRED FOR RENOVATION OF SWIMMING POOL.
- (3) COORDINATE INGRESS/EGRESS AND HAUL ROUTES WITH THE OWNER PRIOR TO START OF WORK.
- (4) ACTIVITY POOL PLAN VIEWS AND SECTIONS ARE SHOWN FOR CONTRACTOR INFORMATION AND ASSISTANCE. THE CONTRACTOR IS RESPONSIBLE FOR INDIVIDUAL SQUARE FOOTAGE TAKE OFFS AND ESTIMATIONS WITH REGARD TO DEMOLITION, PREPARATION, AS WELL AS THE REMOVAL AND RELOCATION OF ALL EXISTING SURROUNDING FINISHES (CONCRETE AC STAVING FLOORING, ETC.) AND ALL GATES, DOORS, PATHWAYS, ETC. ARE UNDAMAGED AND IN CLEAN AND FUNCTIONING CONDITION, AND CONTRACTOR ACCEPTS THE RESPONSIBILITY TO MAINTAIN AND CORRECT ANY DAMAGE LATER FOUND BY THE OWNER DURING CONSTRUCTION PERIOD IN THESE AREAS AT NO EXPENSE TO THE OWNER.
- (5) COORDINATE PROPOSED CONTRACTOR STAGING AREA WITH THE OWNER PRIOR TO CONSTRUCTION.
- (6) CONTRACTOR IS TO PHOTOGRAPH AND DOCUMENT ON A PLAN ANY AND ALL EXISTING DAMAGED ITEMS/SURFACES, FINISHES IN AND IMMEDIATELY AROUND THE WORK AREA AND ALONG ALL WORK PATHS FROM STAGING AREA PRIOR TO THE START OF WORK. CONTRACTOR IS TO SITE WALK ALL EXISTING DAMAGED AREAS WITH THE OWNER AND PROVIDE A COPY OF THE PHOTOGRAPHS AND DOCUMENTATION BEFORE WORK BEGINS. FAILURE TO PROVIDE THIS INFORMATION REPRESENTS ACCEPTANCE BY THE CONTRACTOR THAT ALL EXISTING SURROUNDING FINISHES (CONCRETE AC STAVING FLOORING, ETC.) AND ALL GATES, DOORS, PATHWAYS, ETC. ARE UNDAMAGED AND IN CLEAN AND FUNCTIONING CONDITION, AND CONTRACTOR ACCEPTS THE RESPONSIBILITY TO MAINTAIN AND CORRECT ANY DAMAGE LATER FOUND BY THE OWNER DURING CONSTRUCTION PERIOD IN THESE AREAS AT NO EXPENSE TO THE OWNER.
- (7) REMOVE EXISTING DECK EQUIPMENT TO REMAIN PRIOR TO DEMOLITION. CONTRACTOR TO FIELD VERIFY AND DOCUMENT LOCATION OF DECK EQUIPMENT/ANCHORS.
- (8) REMOVE ALL EXISTING ACTIVITY POOL PLASTER AND TILE FINISHES DOWN TO ORIGINAL SOUND CONCRETE/SHOTCRETE ANY CRACKS LARGE ENOUGH TO INSERT THE EDGE OF A DIME INTO SHALL BE CHIPPED OUT TO A MINIMUM OF $\frac{3}{4}$ "x $\frac{3}{4}$ " AND THEN FILLED FLUSH WITH NON-SHRINKING GROUT. ALL EXPOSED REBAR, RUST SCOTS, ETC. SHALL BE BUSHED DOWN TO 1" BELOW FINISH PLASTER COATING AND FILLED FLUSH WITH NON-SHRINK GROUT. ANY OTHER IMPERFECTIONS IN THE POOL SHALL BE REPAIRED PRIOR TO INSTALLING NEW WATERLINE TILE AND WATERLINE DEPTH MARKERS, ETC. AND PRIOR TO NEW WHITE PLASTER INSTALLATION.
- (9) REMOVE EXISTING MAIN DRAIN FRAMES/GRATES AND SUMP PER PLAN. THE CONTRACTOR SHALL CERTIFY THE MAIN DRAIN SYSTEMS AS VGB COMPLIANT. THE CONTRACTOR SHALL ENSURE THAT MAIN DRAINS MEET CURRENT STANDARDS AND ARE CERTIFIED WITH CURRENT REQUIREMENTS. WATERPROOF EXISTING FIELD BUILT SUMPS WITH PLASTER PRIOR TO PLACING NEW GRATES.
- (10) CONTRACTOR SHALL REPLACE SURFACE SKIMMER STRAINER BASKETS AND INTERNAL PARTS. ALL EQUALIZER FITTINGS SHALL BE BUSHED DOWN $\frac{1}{2}$ " BELOW FINISH SURFACE AND FILLED FLUSH WITH NON-SHRINK GROUT.
- (11) THE CONTRACTOR SHALL ENSURE THAT ALL SURFACES ARE PREPARED TO RECEIVE PLASTER FINISH. WEATHER CONDITIONS SHALL BECOME A CRITICAL PART OF WORK AND SHALL BE TAKEN INTO CONSIDERATION AT THE TIME OF PLASTER APPLICATION.
- (12) THE CONTRACTOR SHALL PROVIDE A SUFFICIENT NUMBER OF WORKERS TO ENSURE THAT THE ENTIRE POOL CAN BE PLASTERED IN A SINGLE DAY OR SHALL PROVIDE CONTINUAL MISTING OF PLASTERED SURFACES TO ENSURE THAT PLASTER IS NOT EXPOSED TO THE AIR FOR A PERIOD OF TIME WHICH WOULD CAUSE DAMAGE IN ANY WAY.
- (13) THE CONTRACTOR SHALL REPAIR OR REPLACE ANY ITEMS DAMAGED DUE TO DEMOLITION AND/OR CONSTRUCTION, AT NO COST TO THE OWNER INCLUDING BUT NOT LIMITED TO UTILITIES, FITTINGS, EQUIPMENT, ANCHORS, ETC.
- (14) REFER TO SHEET AP-1 POOL LAYOUT PLANS IN COORDINATION WITH CONTRACTOR FIELD LAYOUT AND EXISTING INFORMATIONAL PLANS.
- (15) REMOVE AND REPLACE ALL FLOOR INLET COVER COMPLETELY PER DETAIL AND SPECIFICATIONS.
- (16) REPLACE ALL EXISTING POOL TILE INCLUDING WATER LINE TILE AND DEPTH MARKERS. REMOVE EXISTING POOL COPING STONES AND REPLACE WITH NEW. DEPTH MARKERS SHALL BE LOCATED AT MAXIMUM 25'-0" O.C. AROUND ENTIRE POOL PERIMETER AND SHALL HAVE MINIMUM 1" TALL NUMBERS AT BOTTOM. PROVIDE NEW CLEARANCE AND DIVING DEPTH DEPTH MARKER LOCATIONS 18" DEPTH OR SHALLOWER. PREPARE ALL SURFACES TO RECEIVE NEW TILE PER PLANS.
- (17) THE OWNER SHALL IDENTIFY THE ACTIVITY POOL FILL WATER SOURCE FROM CLOSEST FIRE HYDRANT AND SHALL PAY FOR THE WATER TO FILL THE POOL. THE CONTRACTOR IS RESPONSIBLE FOR FIRE HOSE, HOSES, FILLING AND PROTECTION OF PLASTER SURFACES. FILL SOURCE SHALL BE BLOW-OFF INITIALLY TO PROVIDE A CLEAN DOMESTIC WATER SOURCE. THE CONTRACTOR SHALL PROVIDE CONTINUOUS FILL UNTIL THE WATER IS AT THE PROPER ELEVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND BALANCING OF THE POOL WATER FOR A PERIOD OF NOT LESS THAN SEVEN (7) DAYS WITH MECHANICAL FILTRATION AND AUTOMATIC CHEMICAL BALANCING WITH WATER CHEMISTRY CONTROLLER AND ALL FILTRATIONS SYSTEM ACTIVE AFTER PLASTER COATING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKWASHING AND OR CLEANING OF THE FILTER MEDIA PRIOR TO OPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAINING AND DAMAGING NEW COATING. WATER SHALL NOT BE LEFT IDLE ONCE FILLED. THE CONTRACTOR SHALL COORDINATE THEIR EFFORTS WITH OWNER'S STAFF TO PROVIDE INSTRUCTION AND TRAINING IN PROPER OPERATION OF POOL IN CONJUNCTION WITH NEW PLASTER SURFACES.
- (18) REMOVE ALL EXISTING WATER FEATURE TOYS AND REPLACE WITH NEW FEATURE TOYS FROM PRODUCT LIST ON AP-1.
- (19) REFER TO SHEET AP-2 FOR EXISTING AND NEW PIPING LAYOUTS AND P.O.C.'S NEW TO OLD.

MD = MAIN DRAIN ———— 9
SP-3

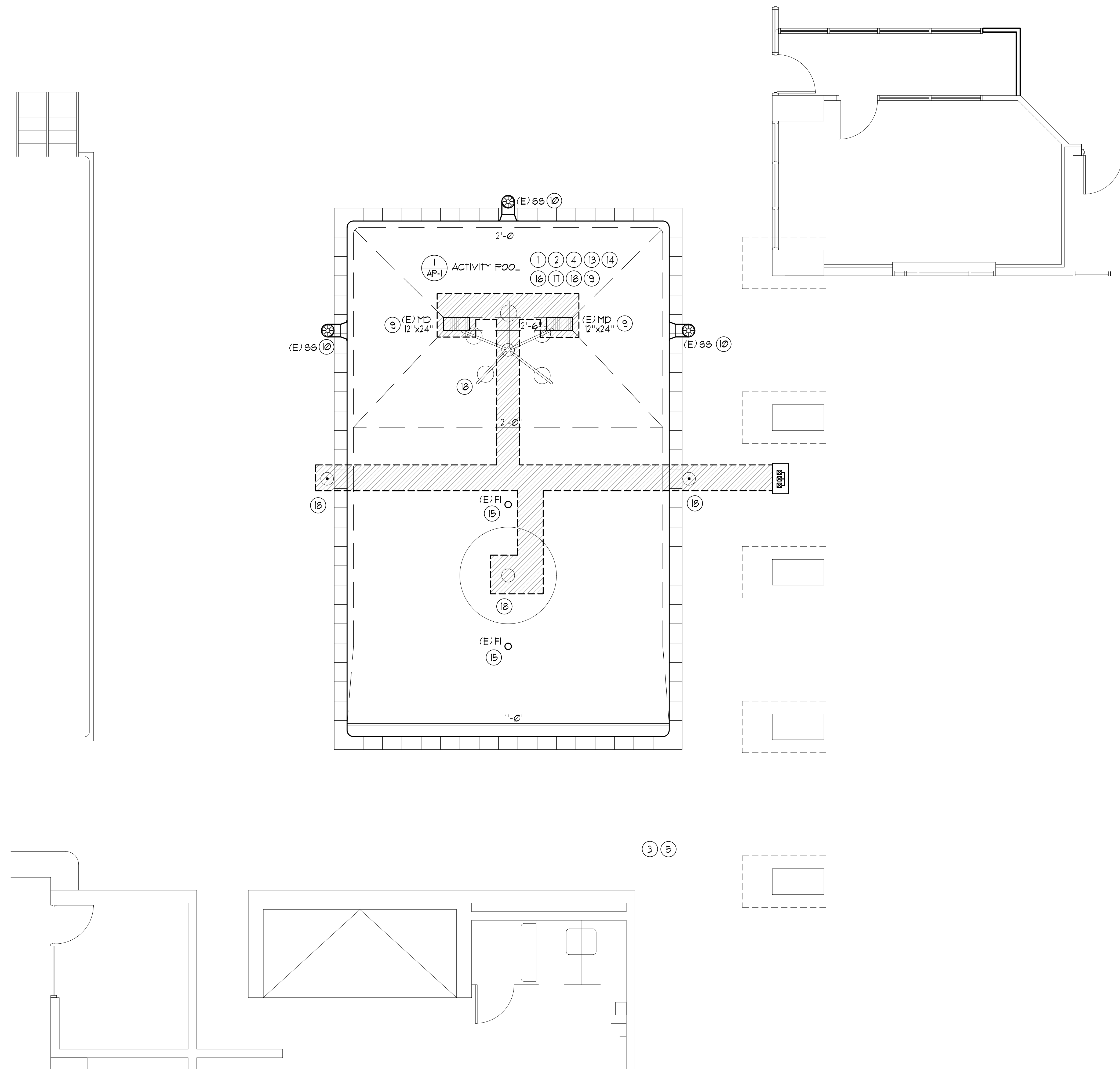
FI = FLOOR INLET ———— 7
SP-3

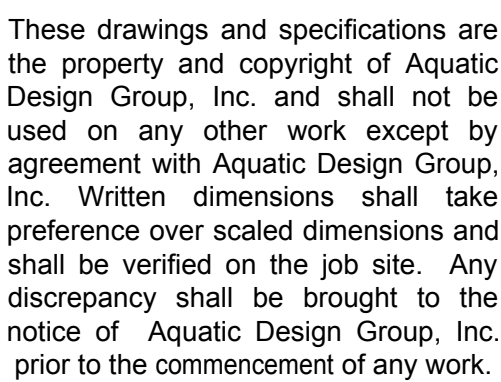
DM = DEPTH MARKER ———— 5
SP-4

(E) = EXISTING

(N) = NEW

 = EXTENTS OF REMOVAL





MINDEN, NEVADA 89432

PROJECT INFORMATION

[illegible]

ACTIVITY POOL LAYOUT

AP-1

PRODUCT LEGEND				
	PRODUCT CODE	QTY	TOTAL FLOW	
①	TIPPY BUCKET JET'S TREE 'SPLASHTACULAR' TREE-TBJ	1	50 GPM	5 AP-5
②	LITTLE SQUIGGLE'S FISH 'WATER ODYSSEY' W230	2	24 GPM	4 AP-5
③	MINI RAIN FOREST WHITEWATER A501	1	450 GPM	1 AP-6
	TOTAL FEATURE FLOW RATE		524 GPM TOTAL	

SURFACE AREA	=	743 SQ. FT.
PERIMETER	=	112 FT.
DEPTH	=	1'-0" - 2'-0"
VOLUME	=	19,984 GAL.
2 HR. TURNOVER	=	100 GPM

MD = MAIN DRAIN ————— (2)
AP-5

ND = NO DIVING ————— (1)
AP-4

NR = NO RUNNING ————— (8)
AP-4

DM = DEPTH MARKER ————— (6)
AP-4

SS = SURFACE SKIMMER ————— (1)
AP-5

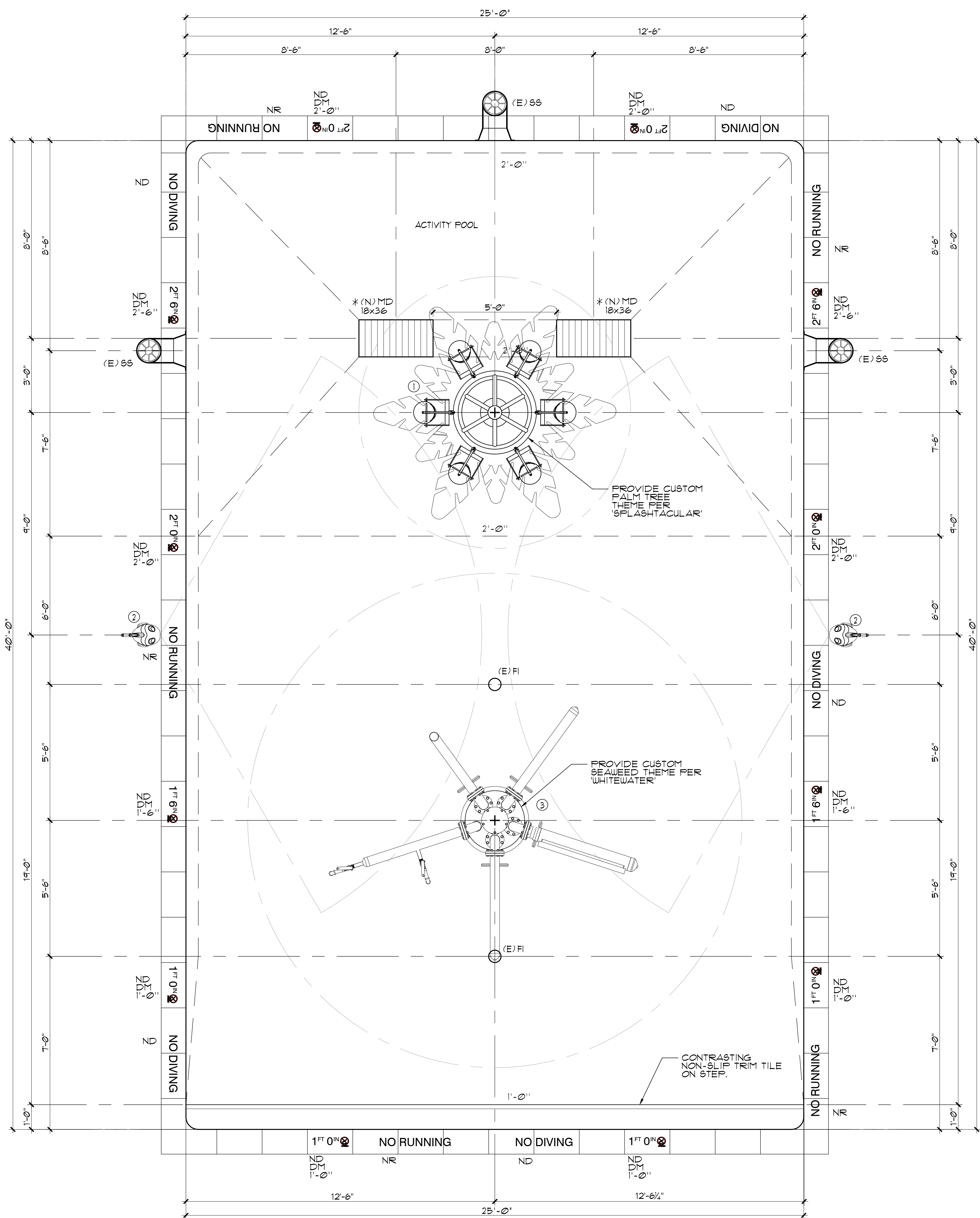
FI = FLOOR INLET ————— (3)
AP-5

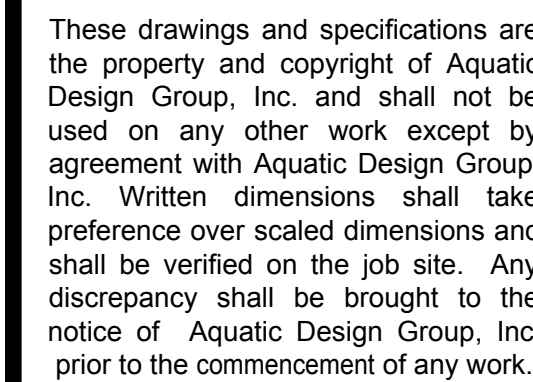
(E) = EXISTING

(N) = NEW

SWIMMING POOL PLASTER FINISH IS WHITE IN COLOR.
6" WATERLINE IS CONTRASTING COLOR TO THE POOL FINISH, AROUND THE ENTIRE POOL PERIMETER.
ALL MARKERS LOCATED ON THE DECK SHALL BE SLIP RESISTANT. SLIP RESISTANT IS CONSIDERED A WET COEFFICIENT OF FRICTION OF .06 OR GREATER AND SHALL BE FLUSH WITH THE POOL DECK FINISH.
POOL DECK MARKERS SHALL BE LOCATED AROUND POOL PERIMETER AND WATER LINE AT SPACING NOT TO EXCEED 25'-0".

* CONTRACTOR SHALL COMPLETE & PROVIDE FORMS FOR HEALTH DEPARTMENT APPROVAL OF V.G.B. COMPLIANT MAIN DRAINS.


$$\frac{1}{2}'' = 1'-0''$$

PROJECT INFORMATION

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SWIMMING POOL DATA

SURFACE AREA	=	743 SQ. FT.
PERIMETER	=	112 FT.
DEPTH	=	1'-0" - 2'-0
VOLUME	=	19,984 GAL
2 HR. TURNOVER	=	100 GPM

MD = MAIN DRAIN ————— 2
AP-5

FI = FLOOR INLET ————— 3
AP-5

SS = SURFACE SKIMMER ————— 1
AP-5

(E) = EXISTING

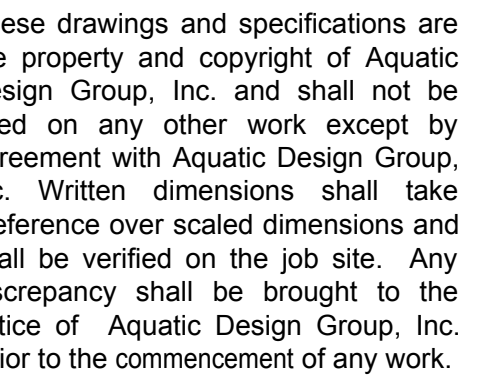
(N) = NEW

P.O.C = POINT OF CONNECTION

1. SWIMMING POOL PLASTER FINISH IS WHITE IN COLOR.
2. 6" WATERLINE IS CONTRASTING COLOR TO THE POOL FINISH, AROUND THE ENTIRE POOL PERIMETER.
3. ALL MARKERS LOCATED ON THE DECK SHALL BE SLIP RESISTANT. SLIP RESISTANT IS CONSIDERED A WET COEFFICIENT OF FRICTION OF .06 OR GREATER AND SHALL BE FLUSH WITH THE POOL DECK FINISH.
4. POOL DECK MARKERS SHALL BE LOCATED AROUND POOL PERIMETER AND WATER LINE AT SPACING NOT TO EXCEED 25'-0".

* CONTRACTOR SHALL COMPLETE & PROVIDE FORMS FOR EHS APPROVAL OF V.G.B./ ABI020 COMPLIANT MAIN DRAINS.

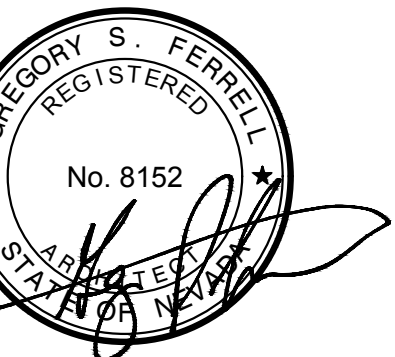
 $\frac{1}{2}'' = 1'-0''$



VISIONS

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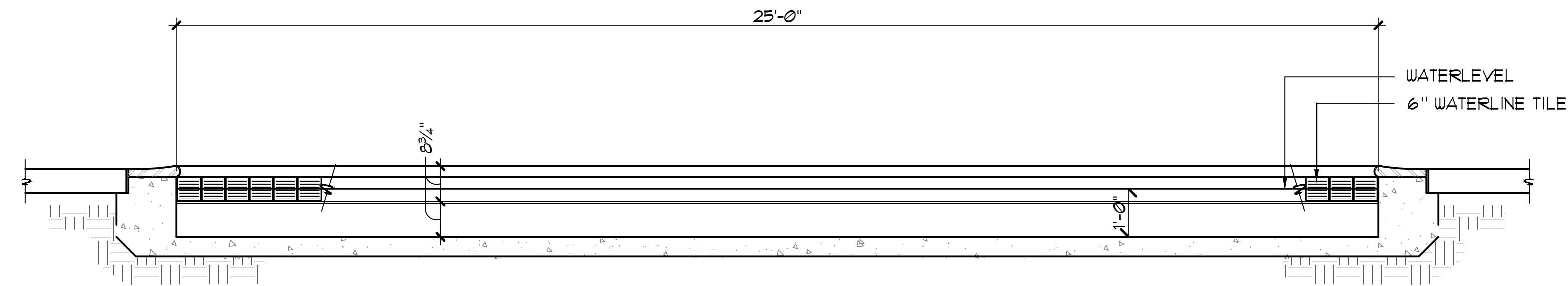
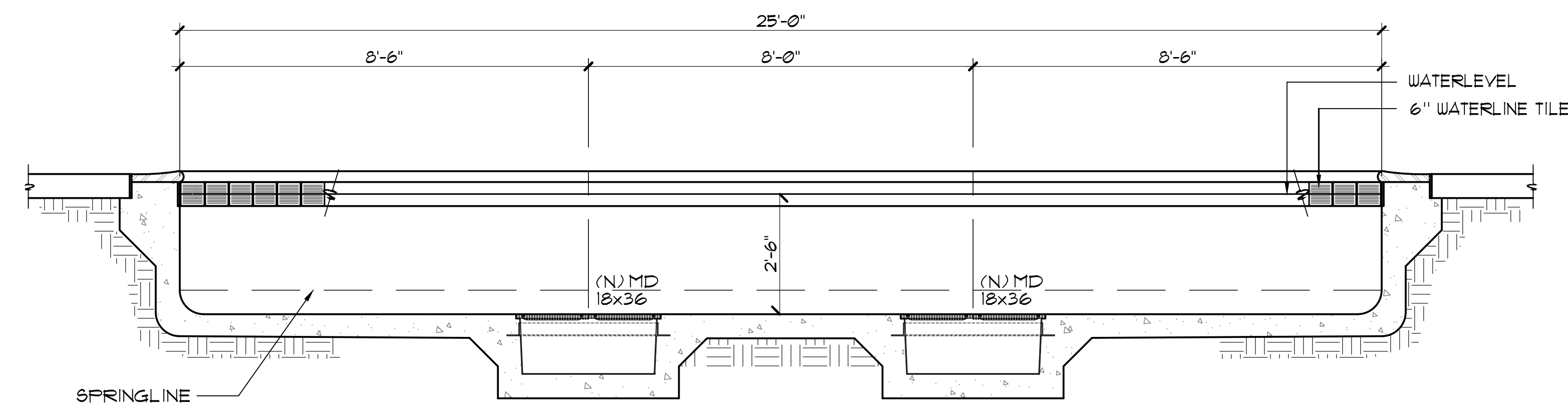
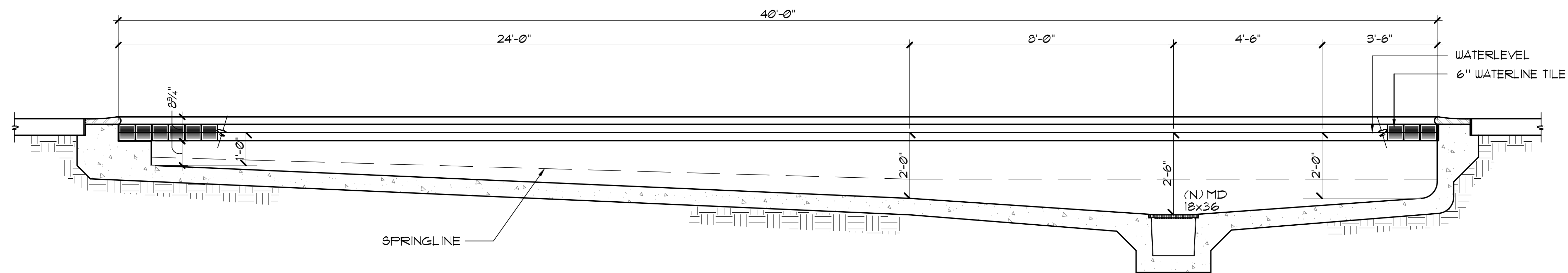


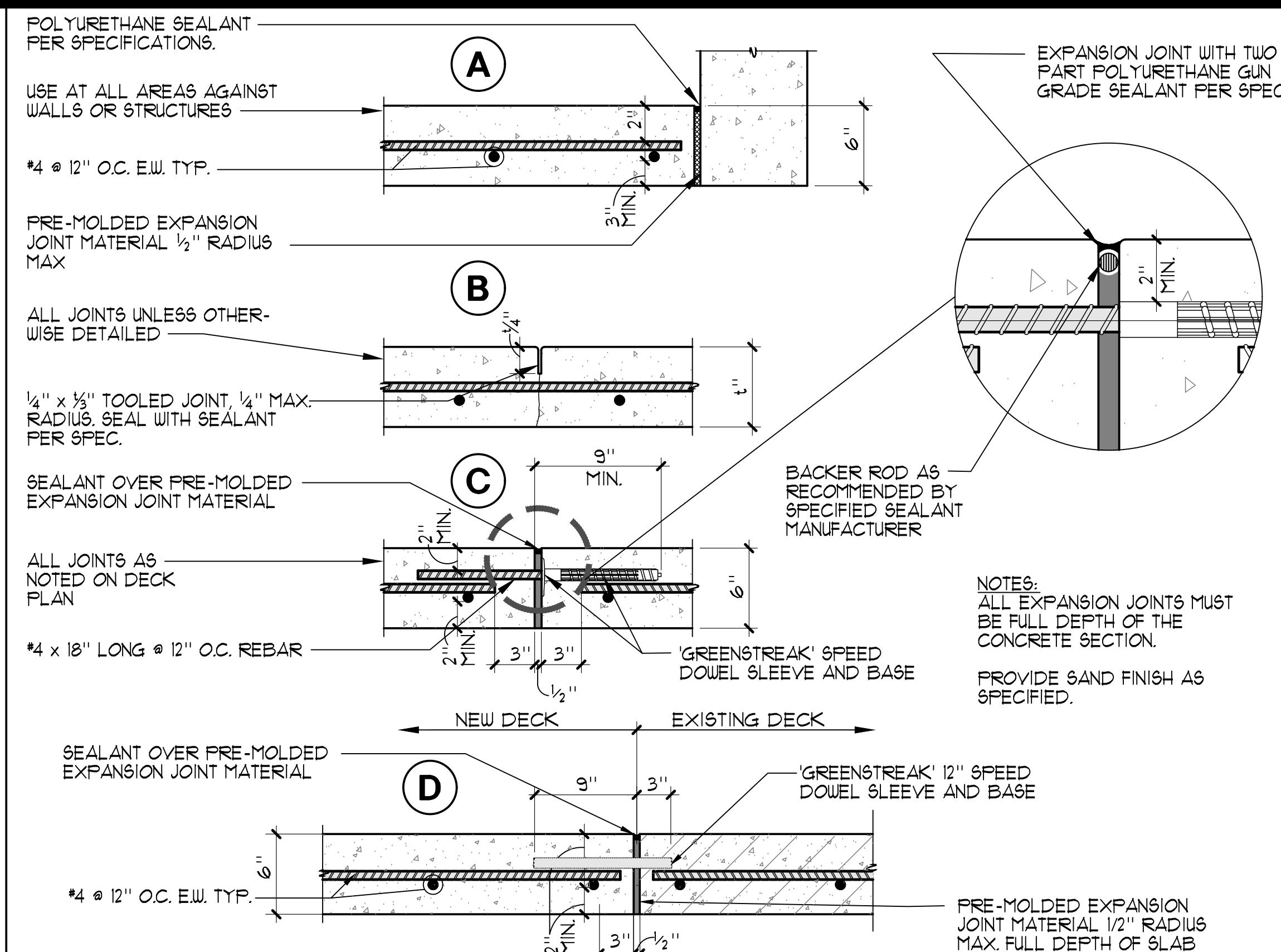
ACTIVITY POOL SECTIONS

PROJECT NO.	2024.023
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DRAWING NO.

AP-3


$$\frac{1}{2}'' = 1'-0''$$

$$\frac{1}{2}'' = 1'-0''$$

$$\frac{1}{2}'' = 1'-0''$$



REINFORCEMENT TABLE						
WATER DEPTH	't'	'd _e '	RADIUS	VERTICAL REINF.	HORIZONTAL REINF.	TRANSITION TO FLOOR REINF. BEYOND END RADIUS
1'-0" to 2'-6"	1"	4"	6" to 18"	#4 @ 12" O.C.	#4 @ 12" O.C.	24"

CONCRETE NOTES:

- ① THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS WITH A 0.40-0.50 WATER/CEMENT RATIO

POOL = 4000 PSI
SLAB-ON-GRADE = 4000 PSI
- ② CONTINUOUS INSPECTION BY AN APPROVED INSPECTOR IS REQUIRED OF ALL CONCRETE PLACEMENT.
- ③ ALL CEMENT USED SHALL CONFORM TO A.S.T.M. C-150 TYPE II
- ④ FINE AND COARSE AGGREGATE SHALL CONFORM TO A.S.T.M. C-33. MAXIMUM SIZE OF AGGREGATE TO BE 1".
- ⑤ CONCRETE MIX DESIGNS SHALL BE BASED UPON
- ⑥ CONCRETE SHALL BE TESTED AND INSPECTED PER SECTION 16C 1102.3 AND ACI 318
- ⑦ REMOVAL OF FORMS SHALL COMPLY WITH ACI 318
- ⑧ ALL REINFORCING SHALL BE ASTM A-615, 60,000 PSI, UNLESS OTHERWISE NOTED. LAP'S SHALL BE 64 BAR DIA.

SHOTCRETE NOTES:

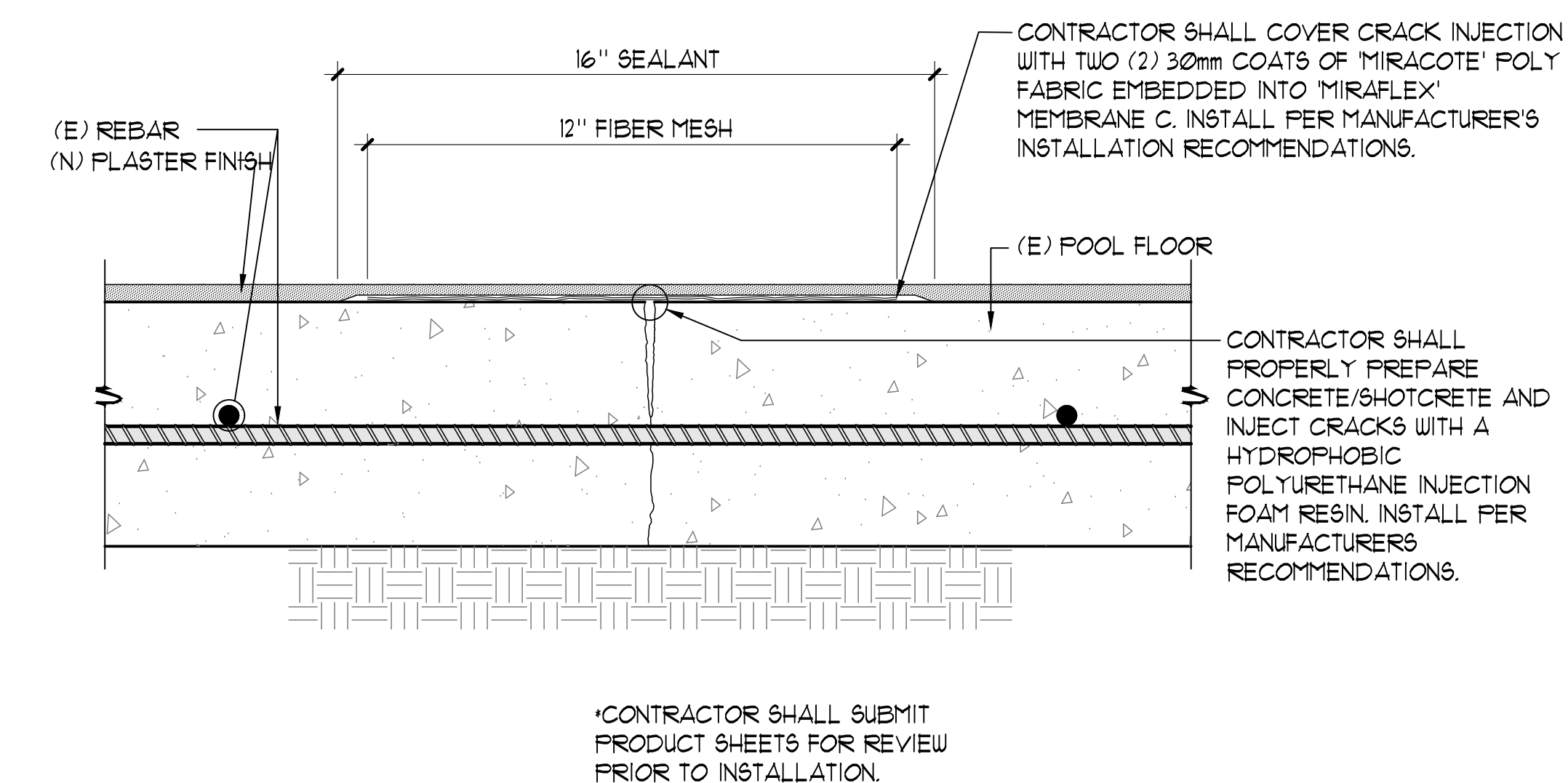
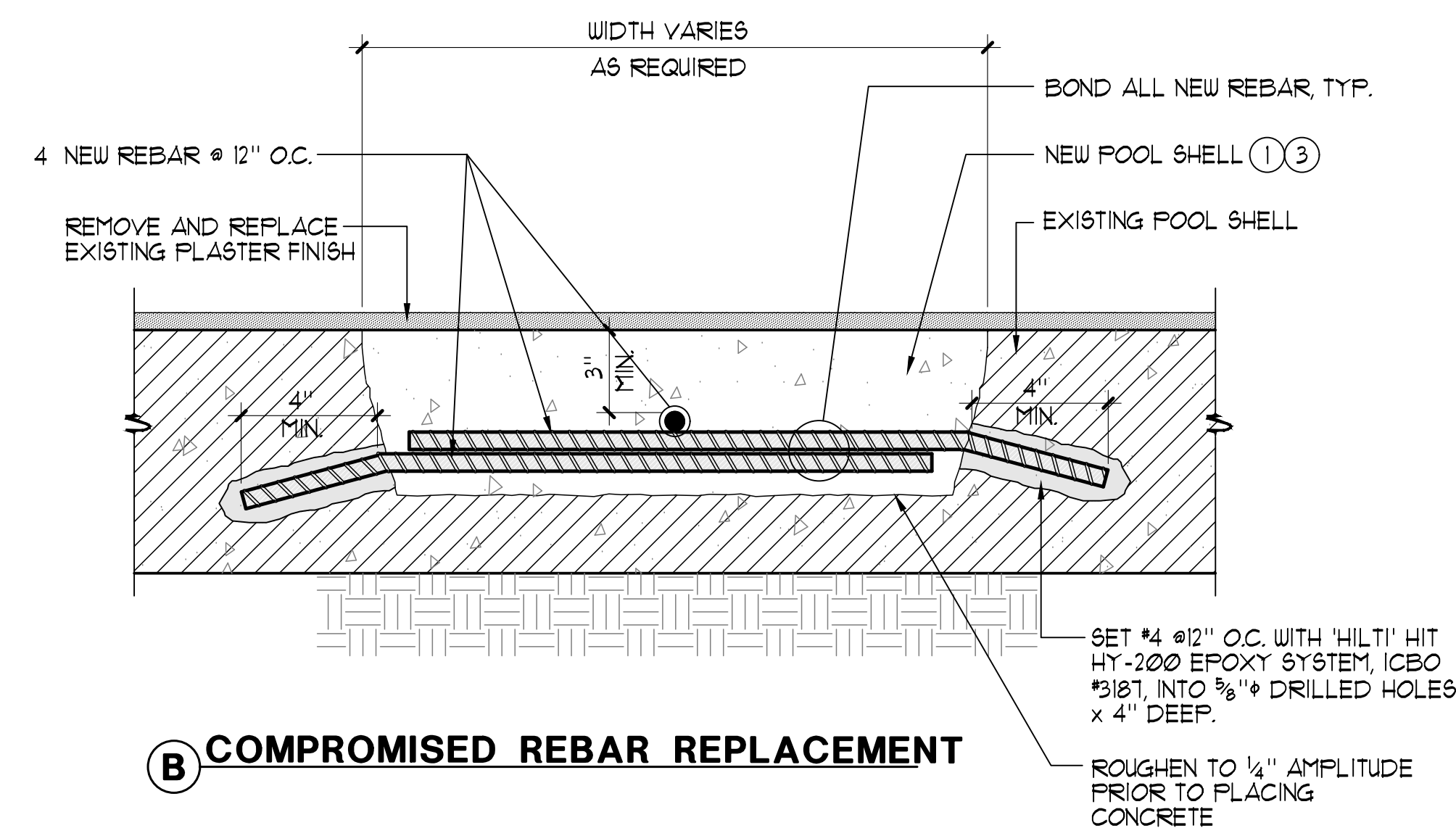
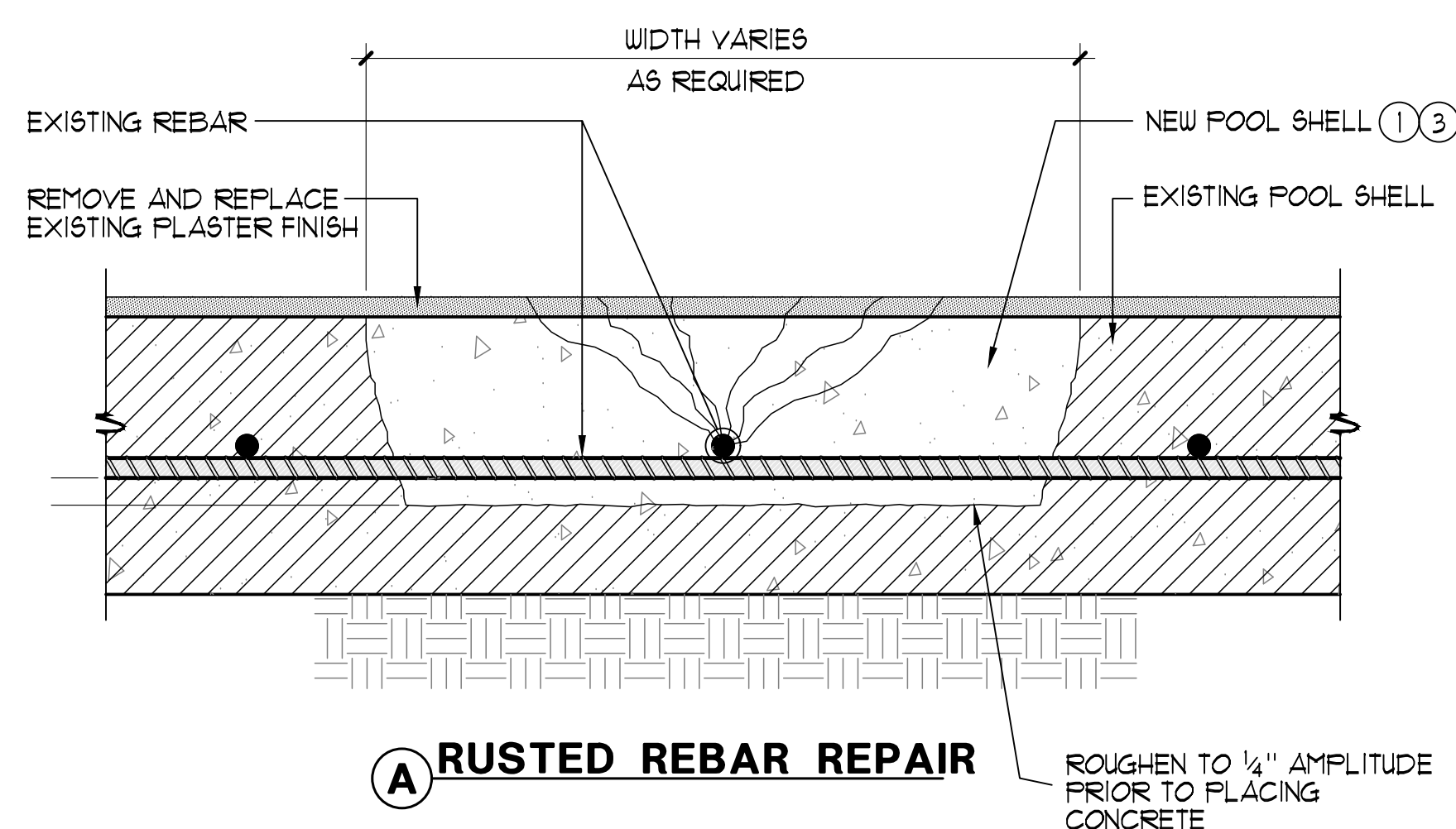
- ① SHOTCRETE SHALL BE WET-MIX AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. SHOTCRETE MATERIAL SHALL BE TYPE I, CLASS II, FINISH 0-20, 0-30 SHOTCRETE MATERIALS MIXTURE DESIGN PROPORTIONING, PLACEMENT, CURING, AND TESTING SHALL BE PER ACI 318
- ② CONTINUOUS INSPECTION BY AN APPROVED INSPECTOR IS REQUIRED OF ALL SHOTCRETE PLACEMENT PER ACI-318.
- ③ ALL CEMENT USED SHALL CONFORM TO ASTM, C-150 TYPE II
- ④ FINE AND COARSE AGGREGATE SHALL CONFORM TO ASTM, C-33. MAXIMUM SIZE OF AGGREGATE TO BE ¾".
- ⑤ SHOTCRETE SHALL BE TESTED AND INSPECTED PER CBC 12093 AND ACI 318.
- ⑥ ANCHOR BOLTS, ANCHORS, DOUELS, INSERTS, ETC. SHALL BE SECURELY TIED IN PLACE PRIOR TO PLACING OF SHOTCRETE.
- ⑦ ALL REINFORCEMENT WITHIN SHOTCRETE SHALL MAINTAIN THE LEASER OF 6 BAR DIA. AND 2½" CLEAR NON-CONTACT SPLICES.
- ⑧ THE FILM OF LAITANCE WHICH FORMS ON THE SURFACE OF THE SHOTCRETE SHALL BE REMOVED WITHIN APPROXIMATELY TWO HOURS AFTER APPLICATION BY BRUSHING OR SAND BLASTING. IF THIS IS NOT REMOVED WITHIN TWO HOURS, IT SHALL BE REMOVED BY THOROUGH WIRE BRUSHING OR SAND BLASTING. CONSTRUCTION JOINTS OVER EIGHT HOURS OLD SHALL BE THOROUGHLY CLEANED WITH AIR AND WATER PRIOR TO RECEIVING SHOTCRETE.
- ⑨ ALL REINFORCING SHALL BE ASTM A-615, GRADE 60, UNLESS OTHERWISE NOTED. LAP SPLICES SHALL BE 64 BAR DIA. NON-CONTACT LAP SPLICES SHALL HAVE CLEAR SPACING BETWEEN EARS THE GREATER OF 6 BAR DIA AND 2½". REINFORCING SHALL CONFORM TO ACI 318.

2 DECK DETAILS $||\frac{1}{2}'' = 1' - 0''$

3 REINFORCEMENT TABLE

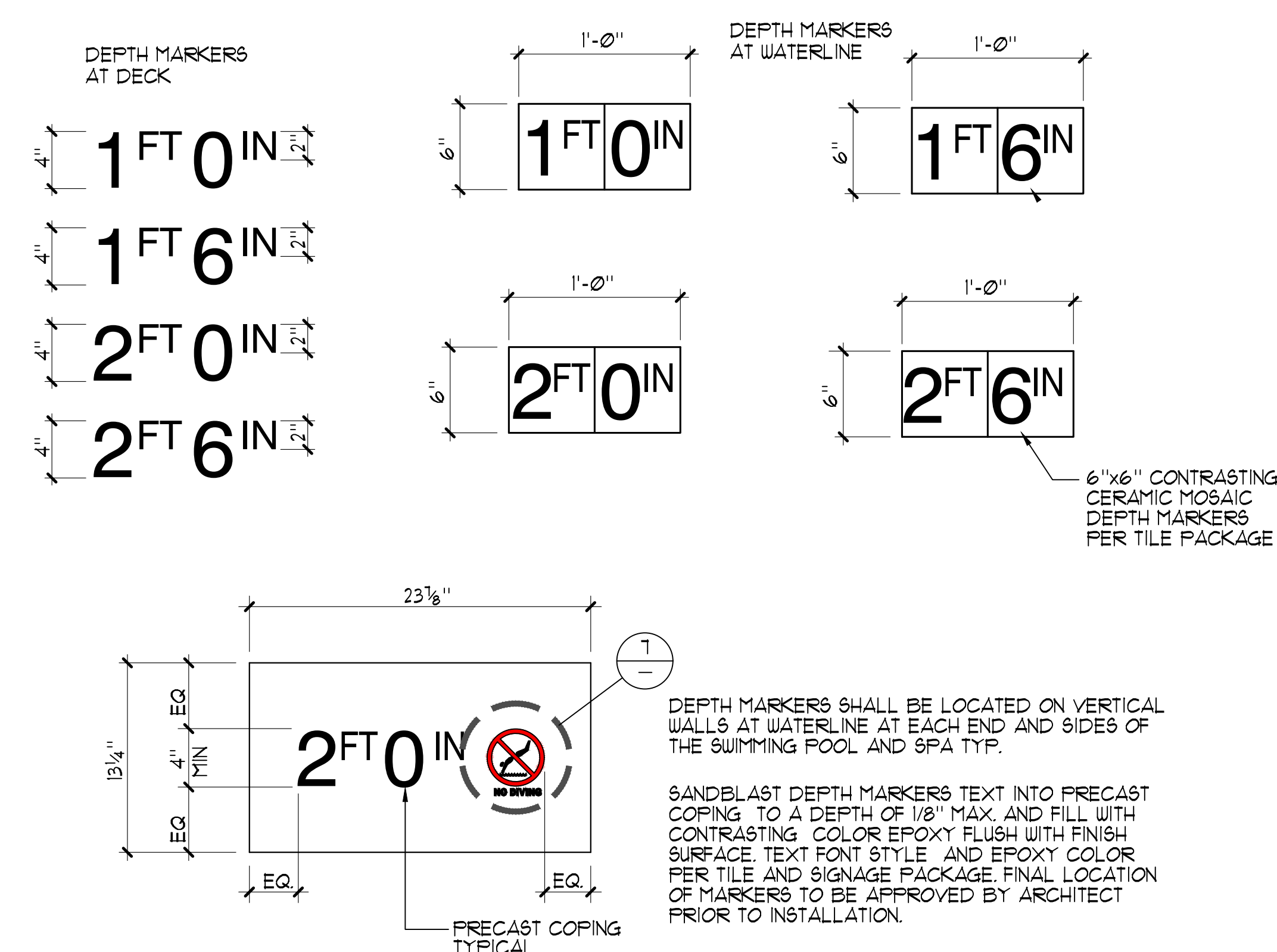
- NOTES:

- ① CHIP OUT AND REMOVE CONCRETE IN DESIGNATED REPAIR AREAS TO EXPOSE REBAR. PROVIDE 1" MIN. CLEARANCE UNDER THE REBAR.
- ② SANDBLAST AND CLEAN EXPOSED REBAR TO REMOVE RUST/LAITANCE. PAINT REBAR WITH ZINC RICH GALVANIZING COMPOUND PAINT.
- ③ PLACE HIGH STRENGTH NON-SHRINK GROUT TO RESTORE POOL SHELL TO ORIGINAL SURFACE LEVEL. AT OTHER INTERSECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO ESTABLISHING A NEW SURFACE.
- ④ IF REBAR IS UNABLE TO BE SALVAGED, CLEANLY CUT OUT DAMAGED REBAR AND PROVIDE REPLACEMENT REBAR TO MATCH MATERIAL AND SIZE OF EXISTING REBAR.



4 (N) REBAR REPAIR / REPLACEMENT DETAILS 3" x 1'-0"

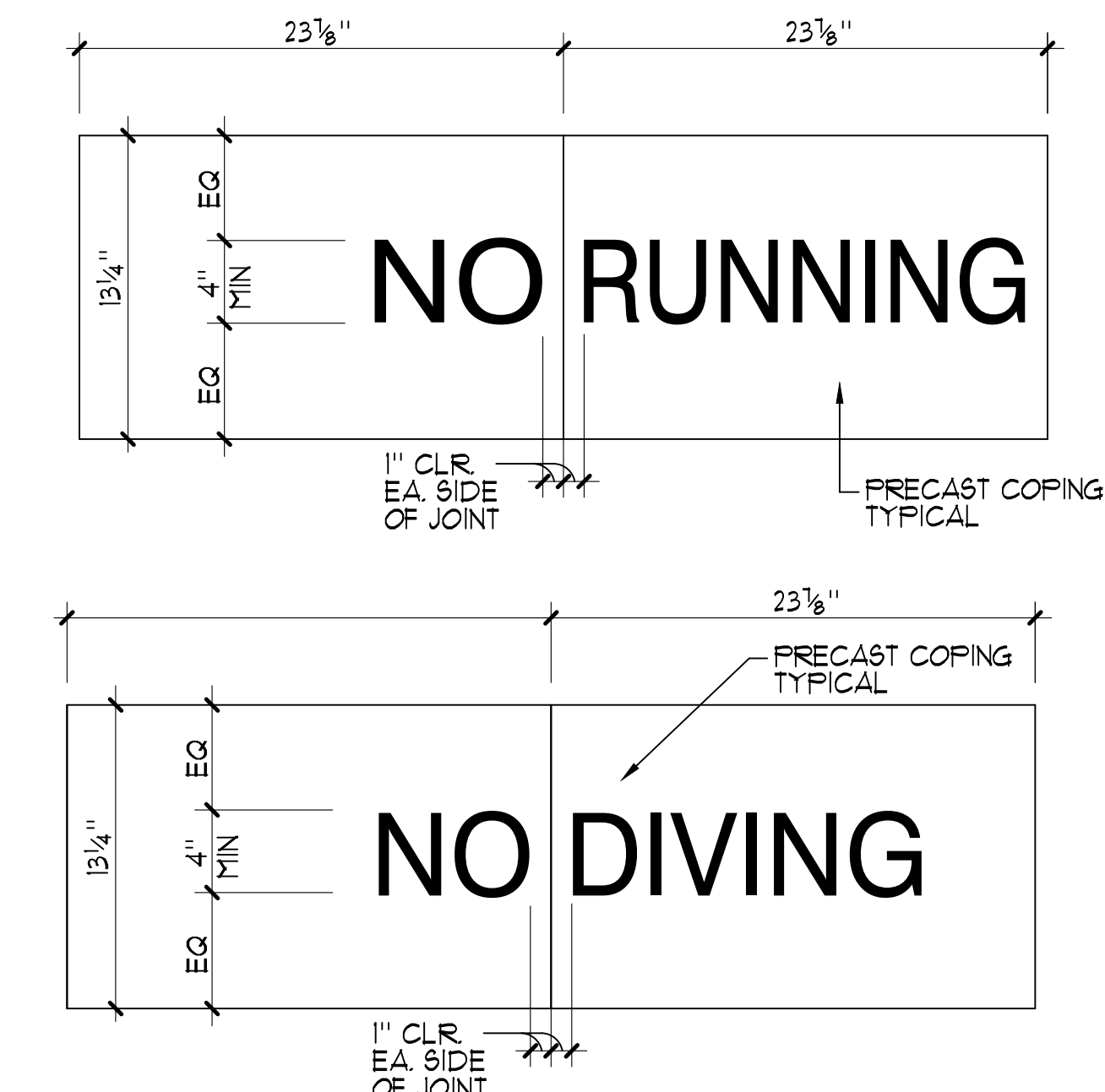
5 (N) CRACK REPAIR DETAIL NO SCALE



NOTE: PLACE IN DECK AT ALL 'NO DIVING'
TILE MARKER LOCATIONS AND AT ALL
DEPTH MARKERS LESS THAN 6'-0" IN DEPTH.

SANDBLAST MARKERS INTO PRECAST COPING TO A DEPTH OF 1/16" MAX. AND FILL WITH CONTRASTING COLOR EPOXY FLUSH WITH FINISH SURFACE. TEXT FONT STYLE AND EPOXY COLOR TO BE PER TILE AND SIGNAGE PACKAGE; A RED CIRCLE WITH A SLASH THROUGH IT SUPERIMPOSED OVER THE IMAGE OF A DIVER IN COLOR BLACK FINAL LOCATION OF MARKERS TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.

'BLACK' COLOR TO MATCH: VISTA PAINT 8293 'CARBON COPY'
'RED' COLOR TO MATCH: VISTA PAINT 8629 'MAJESTIC RIDGE'



SANDBLAST CAUTION MARKERS TEXT INTO PRECAST COPING TO A DEPTH OF 1/8" MAX. AND FILL WITH CONTRASTING COLOR EPOXY FLUSH WITH FINISH SURFACE. TEXT FONT STYLE AND EPOXY COLOR PER TILE AND SIGNAGE PACKAGE. FINAL LOCATION OF MARKERS TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.

6 DEPTH MARKERS $||\frac{1}{2}|| = ||-\emptyset||$

7 INTERNATIONAL "NO DIVING" MARKERS 1" = 1"

8 "NO RUNNING" / "NO DIVING" MARKERS $1\frac{1}{2}" = 1'-0"$



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PROJECT INFORMATION

CARSON VALLEY SWIM CENTER
1600 HWY. 88
MINDEN, NEVADA 89432

PROJECT INFORMATION

REVISIONS

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ARCHITECT



DRAWING TITLE

ACTIVITY POOL DETAILS

PROJECT NO. 2024.023

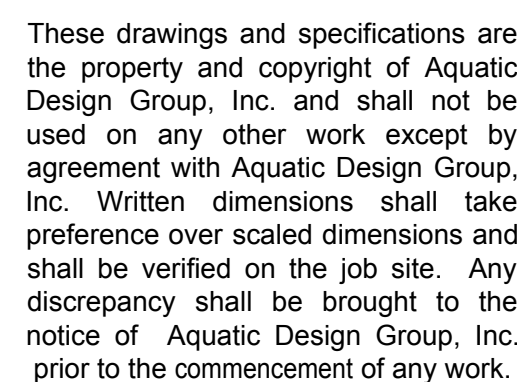
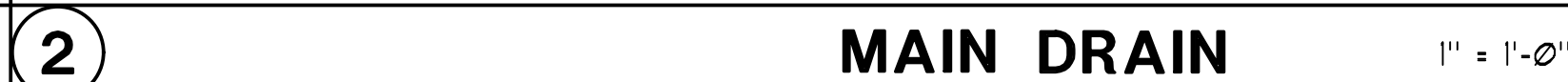
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DATE 07/14/2025

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AP-4



PROJECT INFORMATION

REVISIONS

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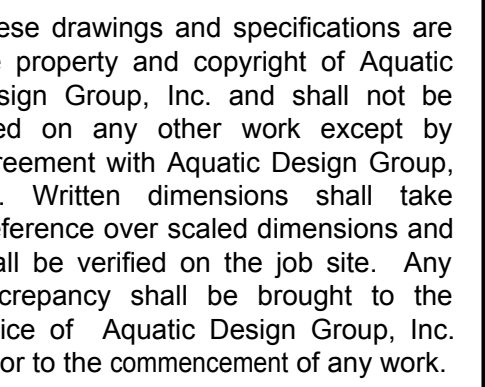
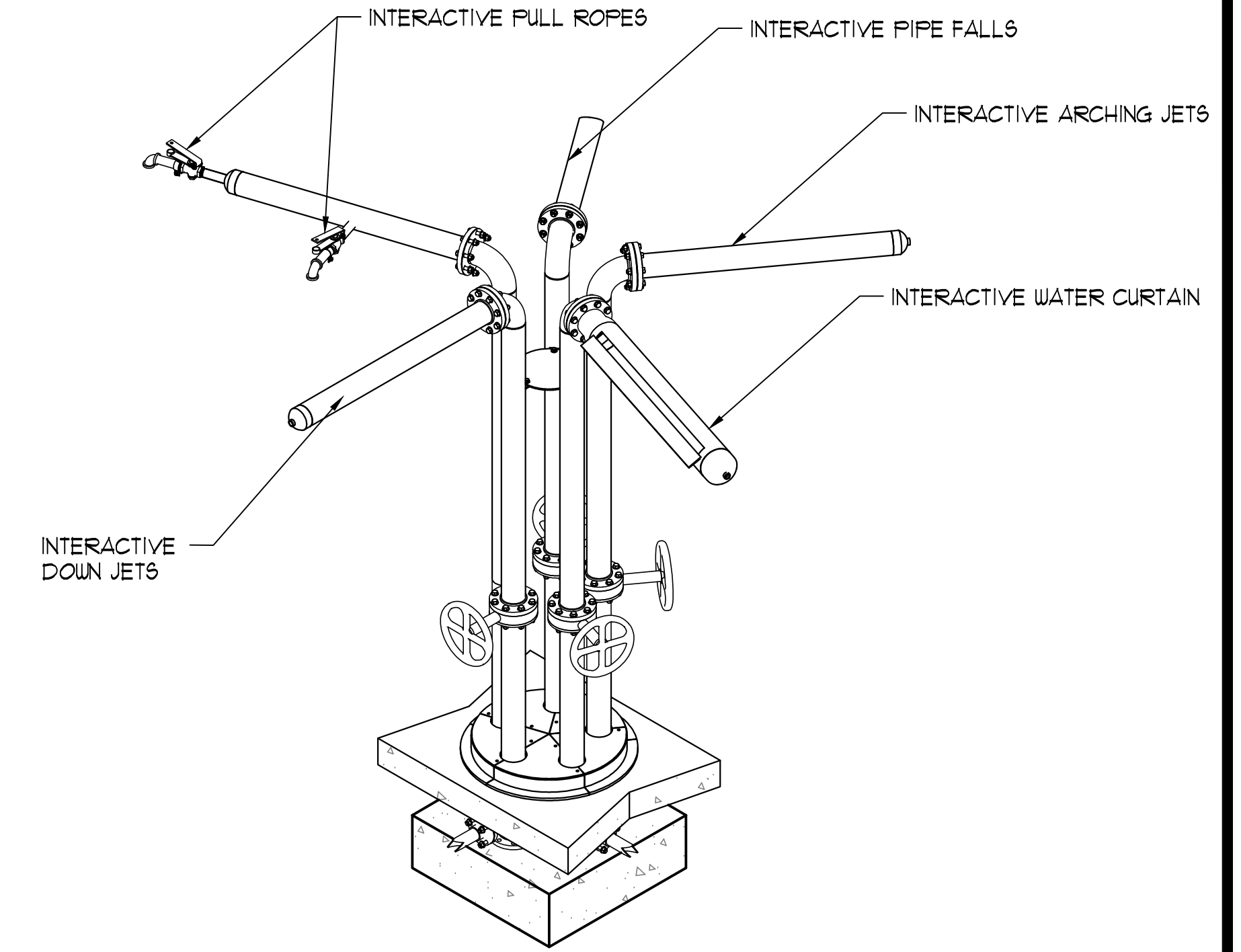
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ACTIVITY POOL DETAILS

PROJECT NO.	2024.023
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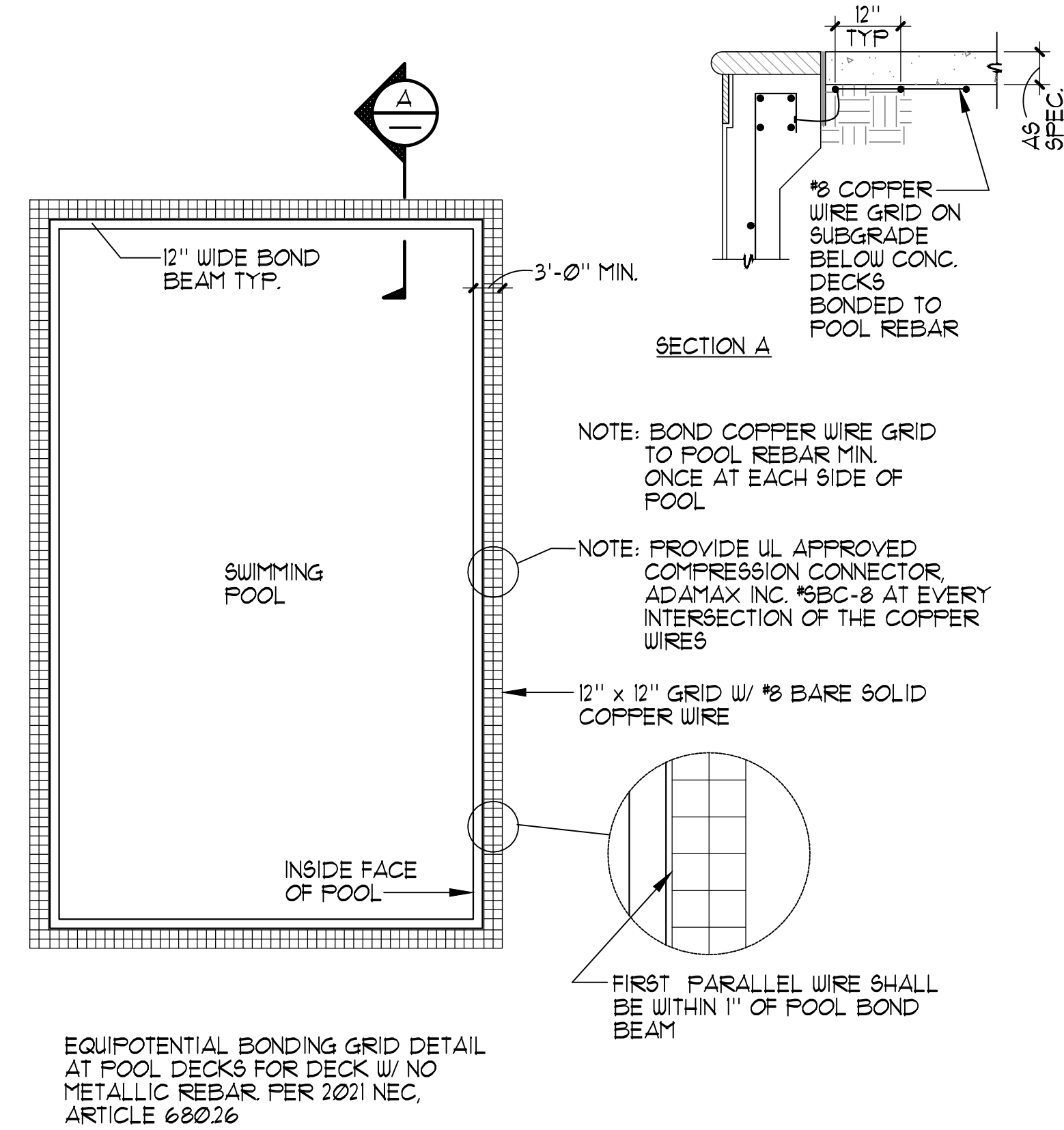
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AP-5

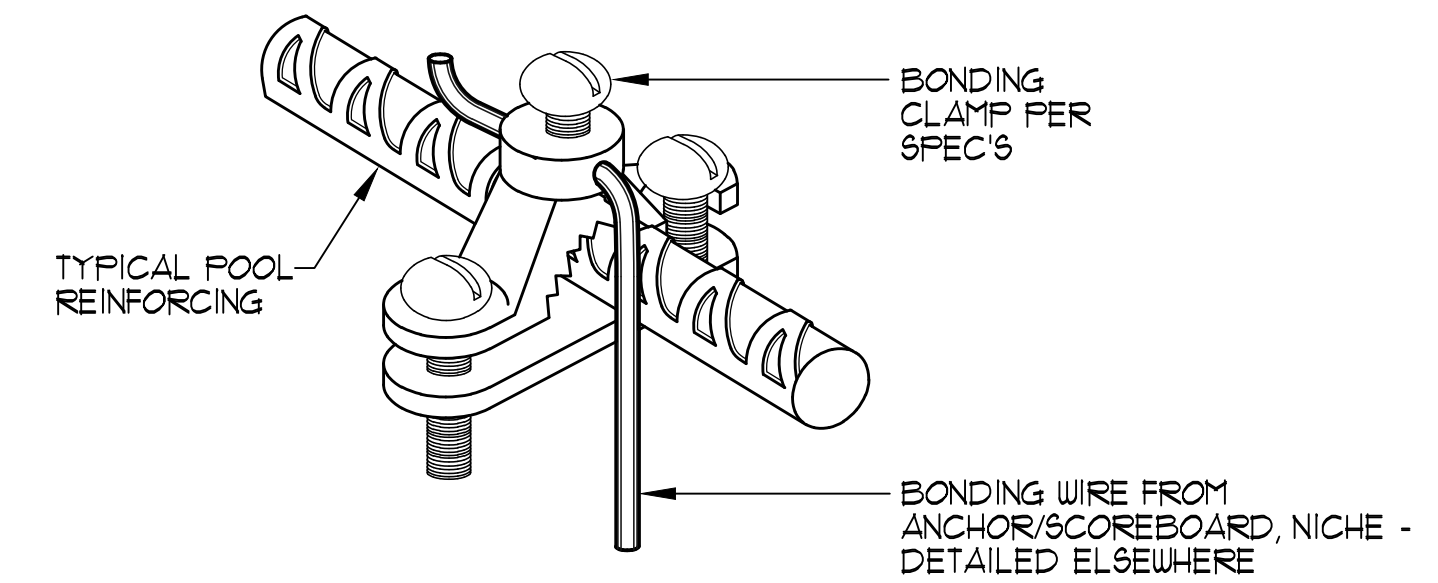


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AP-6

$$\frac{1}{2}'' = 1' - \emptyset'$$


- BONDING CLAMP**
NO SCALE



NO SCALE

AS NOTED



NO SCALE

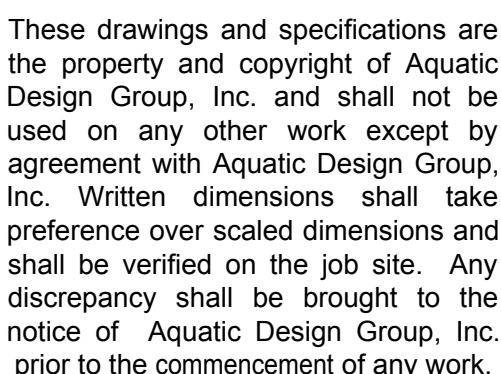
8



BY	=	BALL VALVE
CV	=	CHECK VALVE
FM	=	FLOWMETER
AI	=	ACID INJECTION
CI	=	CHLORINE INJECTION
FD	=	FLOOR DRAIN
BFV	=	BUTTERFLY VALVE
OI	=	OZONE INJECTION
HB	=	HOSE BIB

- (1) EXISTING CIRCULATION/BOOSTER PUMP STRAINER: PACO 'M4012-1, 4"x5"x12"; TYPE L' END SUCTION CENTRIFUGAL PUMP; 1150 RPM; 460V 3PH; 5HP; 525 GPM @ 30 FT. TDH; FUSE COAT EPOXY; ALL WETTED SURFACES; TEFC MOTOR: 'PACO', 'AURORA' OR EQUAL. NEW ACCU DRIVE X5 VFD AD020X-4603-N4X WITH FLOW SENSOR KIT '37016BL-08KIT PROGRAMMED TO 525 GPM.
- (2) EXISTING ACTIVITY POOL WATERLAPL BOOSTER PUMP: 'PACO' 'M4012-1, 4"x5"x12"; TYPE L' END SUCTION CENTRIFUGAL PUMP; 1150 RPM; 460V 3PH; 5HP; 525 GPM @ 30 FT. TDH; FUSE COAT EPOXY; ALL WETTED SURFACES; TEFC MOTOR: 'PACO', 'AURORA' OR EQUAL. NEW ACCU DRIVE X5 VFD AD020X-4603-N4X WITH FLOW SENSOR KIT '37016BL-08KIT PROGRAMMED TO 525 GPM.
- (3) EXISTING SLIDE RECEIVING POOL CIRCULATION PUMP: 'PACO' '2595-5, 2 1/2"x3"x9 1/2"; TYPE L' END SUCTION CENTRIFUGAL PUMP; 1150 RPM; 460V 3PH; 150 GPM @ 12 FT. TDH; FUSE COAT EPOXY; ALL WETTED SURFACES; TEFC MOTOR: 'PACO', 'AURORA' OR EQUAL.
- (4) EXISTING RECEIVING POOL 54" SLIDE BOOSTER PUMP: 'PACO' '2012-3, 3"x10"x12"; TYPE L' END SUCTION CENTRIFUGAL PUMP; 1150 RPM; 460V 3PH; 20HP; 1200 GPM @ 41 FT. TDH; FUSE COAT EPOXY; ALL WETTED SURFACES; TEFC MOTOR: 'PACO', 'AURORA' OR EQUAL.
- (5) EXISTING RECEIVING POOL 32" SLIDE BOOSTER PUMP: 'PACO' '13012-5, 3"x14"x12"; TYPE L' END SUCTION CENTRIFUGAL PUMP; 1150 RPM; 460V 3PH; 5HP; 300 GPM @ 41 FT. TDH; FUSE COAT EPOXY; ALL WETTED SURFACES; TEFC MOTOR: 'PACO', 'AURORA' OR EQUAL.
- (6) EXISTING RECEIVING POOL FILTERS: 'PAC-FAB' TRITON II HI-RATE 54ND '2TR140C WITH 4" FACE PIPING AND VALVES, 12 SQ. FT. OF FILTER AREA RATED AT 212 GPM @ 15 GPM/SQ. FT. PROVIDE INDIVIDUAL TANK ISOLATION VALVES, TYPE.
- (7) EXISTING RECEIVING POOL WATER CHEMISTRY CONTROLLER: 'STRANTROL' SYSTEM-4 W/SE RAK WITH AUTO PROBE RINSE, ONE (1) REQUIRED.
- (8) EXISTING RECEIVING POOL WATER LEVEL CONTROL: 'AMERICAN PRODUCTS' '16-3100 WITH 1" AUTO FILL AND MANUAL BYPASS 1" FILL, 'AMERICAN PRODUCTS', 'WATER WATCH' OR EQUAL.
- (9) EXISTING CHLORINE STORAGE/FEED SYSTEM(S): PROVIDE 'CHEM-TAINER' 'PVC5256DC 500 GALLON; DUAL STORAGE/CONTAINMENT TANK WITH LID, SEISMICALLY RESTRAINED, PROVIDE FEED PUMPS AS FOLLOWS:
INDOOR COMPETITION POOL: 'LM1' 'D121-115, 96 GPD @ 100 PSI.
OUTDOOR COMPETITION POOL: 'LM1' 'D121-115, 96 GPD @ 100 PSI.
INDOOR ACTIVITY POOL, INDOOR EXERCISE POOL, INDOOR EXERCISE POOL AND OUTDOOR TRAINING POOL: 'LM1' 'A161-615, 48 GPD @ 100 PSI. FOUR (4) TOTAL.
HARD PIPE ALL FEEDS IN 1/2" SCH, 80 FVC FROM FEED PUMPS TO INJECTION POINTS.
- (10) EXISTING ACID STORAGE/FEED SYSTEM(S) (FOR USE WITH EXISTING CO₂ FEED SYSTEM(S)) IS GALLON CARBONTS WITH VAPOR LOCK SYSTEM SEISMICALLY RESTRAINED, PROVIDE FEED PUMPS AS FOLLOWS:
INDOOR COMPETITION POOL, OUTDOOR COMPETITION POOL, INDOOR ACTIVITY POOL, INDOOR EXERCISE POOL, INDOOR EXERCISE POOL AND OUTDOOR TRAINING POOL: 'STENNER' '45M1-HF10; 120 GPD @ 100 PSI; 51V 61" TOTAL. (COORDINATE WITH EXISTING CO₂ SYSTEMS)
HARD PIPE ALL FEEDS IN 1/2" SCH, 80 FVC FROM FEED PUMPS TO INJECTION POINTS.
- (11) EXISTING ELECTRICAL: PROVIDE AN INTEGRATED, PRE-WIRED MOTOR CONTROL CENTER (M.C.C.) FOR CONTROL OF 460V THREE PHASE MOTORS AND RELATED EQUIPMENT, INCLUDING STARTERS, DISCONNECTS TRANSFORMER # 120/208V LOADS. M.C.C. SHALL BE UL LISTED AND SHALL COMPLY WITH NATIONAL AND LOCAL ELECTRICAL CODES, SIZE CIRCUITS AND STARTERS FOR APPLICABLE LOADS, PROVIDE SHOP DRAWINGS FOR APPROVAL. PROVIDE ENOUGH ELECTRICAL CONDUIT TO ACCOMMODATE ALL ELECTRICAL WIRING, CONDUIT, PANEL(S), INTERCONNECTIONS ETC. AS REQUIRED FOR PROPER EQUIPMENT INSTALLATION IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. COORDINATE ALL WORK WITH OTHER TRADES AND ELECTRICAL PLANS BY OTHERS. PROVIDE IN DESIGN A MINIMUM OF 60 AMPS AT 208V AVAILABLE FOR FUTURE USE.
- (12) EXISTING RECEIVING POOL FLOWMETER: 'SIGNET' MK 515 SENSOR WITH MK 503 INDICATOR.
- (13) EXISTING RECEIVING POOL HEAT EXCHANGER: PROVIDE 2" PIPING LOOP TO FROM EXISTING MECHANICAL ROOM FOR RECEIVING POOL HEAT EXCHANGER AS SPECIFIED BY MECHANICAL ENGINEER AND LOCATED WITHIN EXISTING MECHANICAL ROOM.

②	ACTIVITY POOL WATERPLAY BOOSTER PUMP: 5HP AT 460V	=	7.6 AMPS
③	SLIDE RECEIVING POOL CIRCULATION PUMP: 5HP AT 460V	=	7.6 AMPS
④	RECEIVING POOL 54" SLIDE BOOSTER PUMP: 20HP AT 460V	=	27 AMPS
⑤	RECEIVING POOL 32" SLIDE BOOSTER PUMP: 5HP AT 460V	=	7.6 AMPS
	FULL LOAD CURRENT		49.8 AMPS



PROJECT INFORMATION

CARSON VALLEY SWIM CENTER
1600 HWY. 88
MINDEN, NEVADA 89432

[illegible]

MECHANICAL ROOM LAYOUT

PROJECT NO.	2024.023
DRAWN BY	GN
CHECKED BY	GSF
DATE	07/14/202
DRAWING NO.	

MR-1

