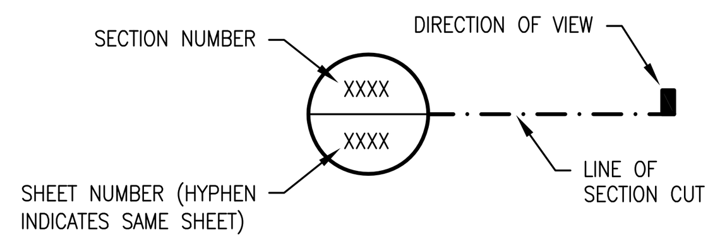
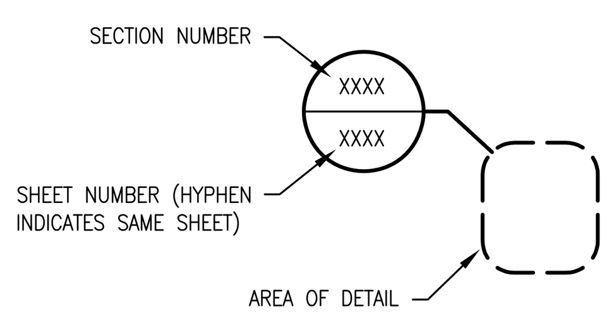
REFERENCE SYMBOLS:

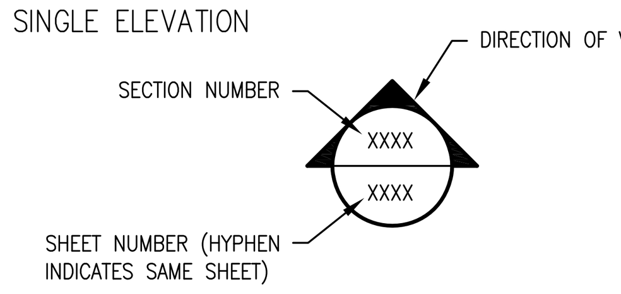
SECTION CALL-OUT



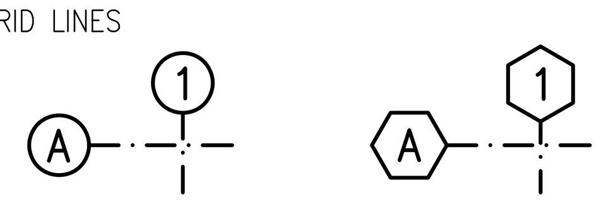
DETAIL CALL-OUT



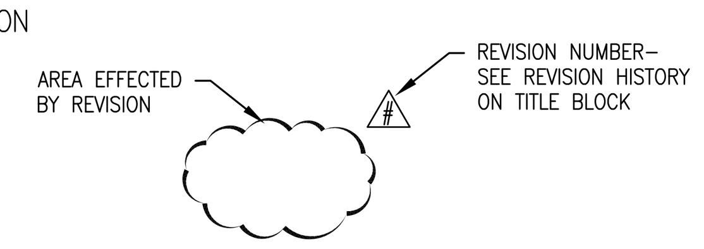
SINGLE ELEVATION



GRID LINES

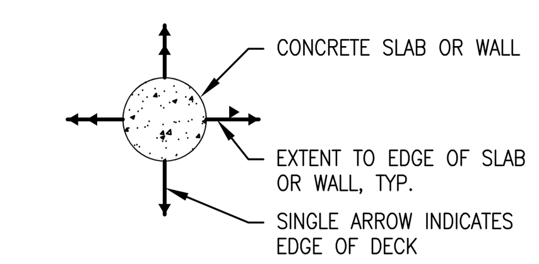


REVISION

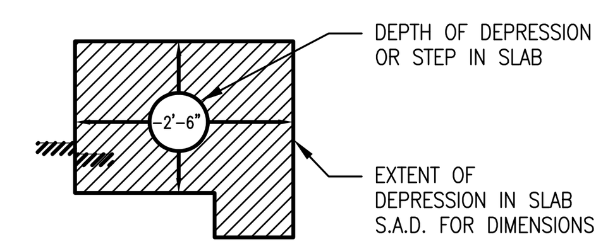


PLAN SYMBOLS:

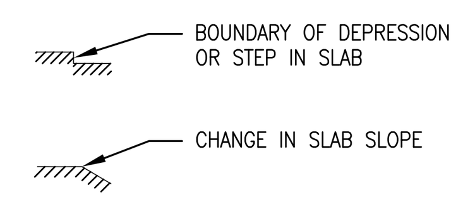
CONCRETE



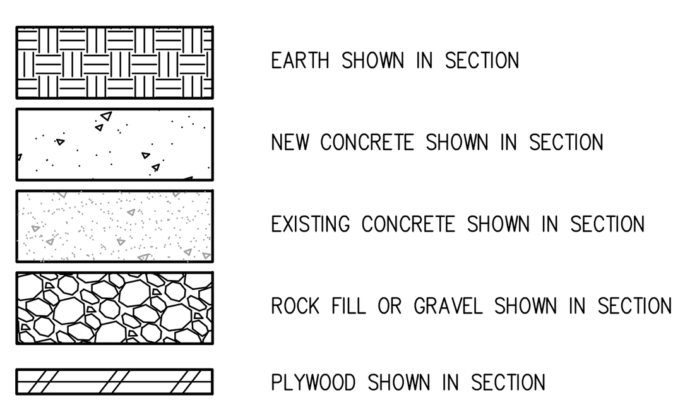
FLOOR DEPRESSIONS



SLAB DEPRESSIONS



MATERIAL SYMBOLS:



ABBREVIATIONS:

(E)	EXISTING
(N)	NEW
#	NUMBER
&	AND
@	AT
A.A.	ADHESIVE ANCHOR
A.B.	ANCHOR BOLT
ABV	ABOVE
ADD'L	ADDITIONAL
ADJ	ADJACENT
AGGR	AGGREGATE
AL	ALUMINUM
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY for TESTING and MATERIALS
A.C.	ASPHALT CONCRETE
AWG	AMERICAN WIRE GUAGE
BET	BETWEEN
BLDG	BUILDING
BLKG	BLOCKING
BM or BMS	BEAM or BEAMS
B.N.	BOUNDARY NAILING
B.O. FTG	BOTTOM OF FOOTING
BOT	BOTTOM
BP	BASE PLATE
BRG	BEARING
B.S.	BOTH SIDES
BSMT	BASEMENT
C	CHANNEL
C.I.P.	CAST IN PLACE
C.J.	CONSTRUCTION JOINT
CL or	CENTERLINE
CLG	CEILING
CLR	CLEAR
C.M.U.	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CP	COMPLETE PENETRATION
CSK	COUNTERSINK
CTR	CENTER
d	PENNY (NAIL SIZE)
DBL	DOUBLE
DEMO	DEMOLITION
DET or DETS	DETAIL or DETAILS
DIAG	DIAGONAL
DIA or ø	DIAMETER
DIM or DIMS	DIMENSION or DIMENSIONS
DIST	DISTANCE
DK or DKG	DECK or DECKING
DN	DOWN

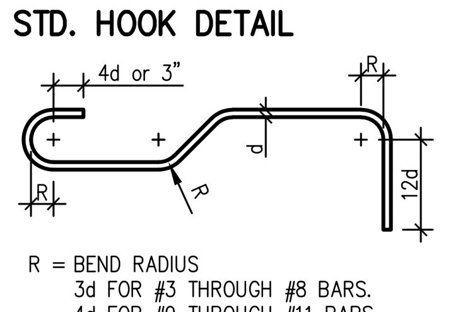
DO	DITTO
DWG or DWGS	DRAWING or DRAWINGS
DWL or DWLS	DOWEL or DOWELS
EA	EACH
E.F.	EACH FACE
E.F.P.	EQUIVALENT FLUID PRESSURE
E.J.	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELAVATOR
EMBED	EMBEDMENT
E.N.	EDGE NAILING
E.O.S.	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
E.S.	EACH SIDE
EV	EVERY
E.W.	EACH WAY
EXCAV	EXCAVATE or EXCAVATION
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
F.F.	FAR FACE
FIN	FINISH
FLR or FLRS	FLOOR or FLOORS
F.N.	FIELD NAILING
F.O.	FACE OF
F.O. CONC	FACE OF CONCRETE
F.O. STUD	FACE OF STUDS
FPRF	FIREPROOFING
F.S.	FAR SIDE
FT	FOOT AND FEET
FTG or FTGS	FOOTING or FOOTINGS
GA	GAUGE
GALV	GALVANIZED
GL	GLASS or GLAZING
GLB	GLU-LAM BEAM
GRND	GROUND
GR	GRADE
GYP BD	GYPSUM BOARD
HD	HOLDOWN
H.D.G.	HOT DIPPED GALVANIZED
HDR	HEADER
HK or HKS	HOOK or HOOKS
HORIZ or (H)	HORIZONTAL
H.P.	HIGH POINT
H.S.B.	HIGH STRENGTH BOLTS
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
I.D.	INSIDE DIAMETER
INFO	INFORMATION
JST or JSTS	JOIST or JOISTS
JT	JOINT
K.O.	KNOCK-OUT
L	ANGLE
d	DEVELOPMENT LENGTH

dh	HOOK DEVELOPMENT LENGTH
LEV	LEVEL
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONGIT	LONGITUDINAL
L.P.	LOW POINT
Ls	LAP SPLICE LENGTH
LSL	TIMBERSTRAND, LAMINATED STRAND LUMBER
LT	LIGHT
LVL	MICROLLAM, LAMINATED VENEER LUMBER
LWC	LIGHT WEIGHT CONCRETE
MAX	MAXIMUM
M.B.	MACHINE BOLT
MECH	MECHANICAL
M.E.P.	MECHANICAL, ELECTRICAL, PLUMBING
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
N	NORTH
N.F.	NEAR FACE
N.I.C.	NOT IN CONTRACT
NO. or #	NUMBER
NOM	NOMINAL DIAMETER
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER (DIM)
O.H.	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OWSG	OPEN WEB STEEL GIRDER
OWSJ	OPEN WEB STEEL JOIST
PC or PCS	PIECE or PIECES
PERP	PERPENDICULAR
PL	PLATE
PLYWD	PLYWOOD
PP	PARTIAL PENETRATION
PR	PAIR
PRCST	PRE CAST
PSL	PARALLAM, PARALLEL STRAND LUMBER
PT	POINT
PTN	PARTITION
R or RAD	RADIUS
REBAR	REINFORCING BAR
REF	REFERENCE
REINF	REINFORCED or REINFORCING
REQ'D	REQUIRED

REV	REVISE OR REVISION
RFG	ROOFING
R.O.	ROUGH OPENING
RSJ	ROLLED STEEL JOIST
S.A.D.	SEE ARCH. DOCUMENTS
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SL	SLOPE
S.M.S.	SHEET METAL SCREW
S.O.G.	SLAB ON GRADE
SPEC	SPECIFICATION or SPECIFICATIONS
SQ	SQUARE
S.S. or SST	STAINLESS STEEL
STAG	STAGGER or STAGGERED
STD	STANDARD
STIFF	STIFFENER
STIR	STIRRUP or STIRRUPS
STL	STEEL
STRUC	STRUCTURAL
SUBST	SUBSTITUTE
SUSP	SUSPENDED
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THK	THICK
THRD	THREADED
THRU	THROUGH
T.O.	TOP OF
T.O. B.P.	TOP OF BASE PLATE
T.O. CONC	TOP OF CONCRETE
T.O. STL	TOP OF STEEL
T.O. SLAB	TOP OF STRUCTURAL SLAB
TRANS	TRANSVERSE
TR	TREAD
TS	TUBE STEEL
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
URM	UNREINFORCED MASONRY
V.E.	VANISHING EDGE
VENT	VENTILATE
VERT or (V)	VERTICAL
V.I.F.	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
W or WF	WIDE FLANGE
WD	WOOD
WP	WORK POINT
WT	WEIGHT
WWM	WELDED WIRE MESH
X HVY	EXTRA HEAVY
XX HVY	DOUBLE EXTRA HVY.
X STR	EXTRA STRONG
XX STR	DOUBLE EXTRA STRONG

REINF DETAILS:

STD. HOOK DETAIL



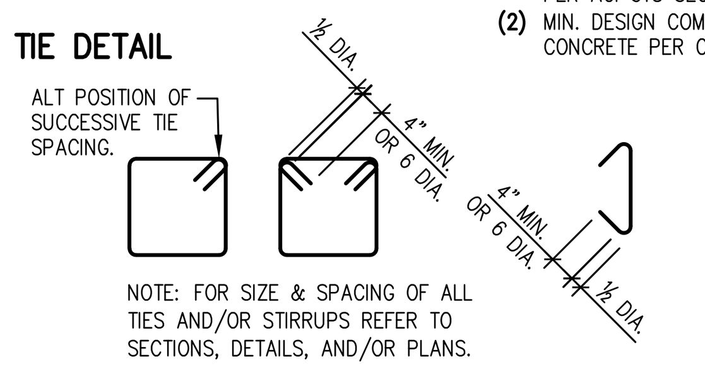
R = BEND RADIUS
3d FOR #3 THROUGH #8 BARS.
4d FOR #9 THROUGH #11 BARS.

STD HOOK EMBEDMENT(1)

BAR SIZE	f'_c=3,000 PSI(2)		f'_c=4,000 PSI(2)		f'_c=4,500 PSI(2)	
	GR40	GR60	GR40	GR60	GR40	GR60
3	6"	–	6"	–	6"	–
4	6"	–	6"	–	6"	–
5	–	10"	–	9"	–	8"
6	–	12"	–	10"	–	10"
7	–	14"	–	12"	–	11"
8	–	16"	–	14"	–	13"
9	–	18"	–	15"	–	15"
10	–	20"	–	17"	–	16"
11	–	22"	–	19"	–	18"

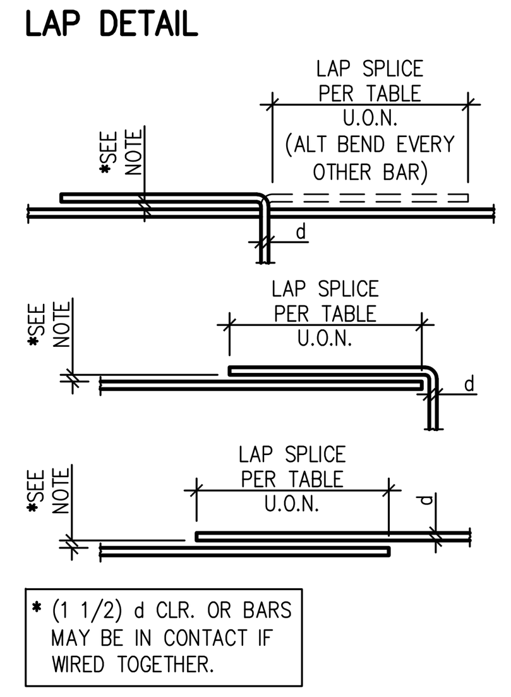
(1) DEVELOPMENT OF STANDARD HOOKS IN TENSION PER ACI 318 SECTION 25.4.3.
(2) MIN. DESIGN COMPRESSIVE STRENGTH OF CONCRETE PER CONCRETE NOTES, THIS SHEET.

TIE DETAIL



NOTE: FOR SIZE & SPACING OF ALL TIES AND/OR STIRRUPS REFER TO SECTIONS, DETAILS, AND/OR PLANS.

LAP DETAIL



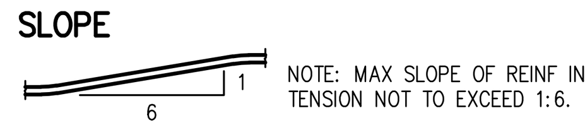
* (1 1/2) d CLR. OR BARS MAY BE IN CONTACT IF WIRED TOGETHER.

LENGTH OF LAP SPLICE(1)

BAR SIZE	f'_c=3,000 PSI(2)		f'_c=4,000 PSI(2)		f'_c=4,500 PSI(2)	
	GR40	GR60	GR40	GR60	GR40	GR60
3	24"	–	24"	–	24"	–
4	24"	–	24"	–	24"	–
5	–	36"	–	31"	–	30"
6	–	43"	–	37"	–	35"
7	–	63"	–	54"	–	51"
8	–	72"	–	62"	–	59"
9	–	81"	–	70"	–	66"
10	–	90"	–	78"	–	73"
11	–	98"	–	85"	–	80"

(1) DEVELOPMENT OF DEFORMED BARS IN TENSION PER ACI 318 SECTION 25.4.2.
(2) MIN. DESIGN COMPRESSIVE STRENGTH OF CONCRETE PER CONCRETE NOTES, THIS SHEET.

SLOPE



NOTE: MAX SLOPE OF REINF IN TENSION NOT TO EXCEED 1:6.

ELECTRICAL AND PLUMBING NOTES

1. ALL ELECTRICAL SHALL BE IN CONFORMANCE WITH THE CEC.
2. POOL SHELL AND PERIMETER PAVED AND UNPAVED SURFACES SHALL BE BONDED IN ACCORDANCE WITH CEC 680.26(B). BONDING TO PERIMETER SURFACES SHALL BE PROVIDED AS SPECIFIED IN CEC 680.26(B)(2)(A) OR (2)(B) AND SHALL BE ATTACHED TO THE POOL REINFORCING STEEL OR COPPER CONDUCTOR GRID AT A MINIMUM OF FOUR (4) POINTS UNIFORMLY SPACED AROUND THE PERIMETER OF THE POOL.
3. OBTAIN ELECTRICAL AND PLUMBING PERMITS ALONG WITH POOL BUILDING PERMIT.
4. ALL EQUIPMENT SHALL BE LISTED AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND IN ACCORDANCE WITH LOCAL REGULATIONS.
5. POOLS SHALL BE EQUIPPED WITH A FILTERING SYSTEM.
6. BACKWASH SHALL BE DISPOSED OF IN AN APPROVED MANNER.
7. POOL/SPA WATER HEATER AND GAS PIPING INSTALLATION TO BE IN CONFORMANCE WITH THE CPC.
8. SUCTION OUTLETS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ANSI/APSP-7 AND CBC SECTION 3109 (HS CODE §§ 115920–115929).
9. POTABLE WATER SUPPLY TO SWIMMING POOLS, SPAS, AND HOT TUBS SHALL BE PROTECTED FROM BACKFLOW IN ACCORDANCE WITH CPC 603.5.20.
10. WHERE REINFORCING STEEL IS ENCAPSULATED WITH A NONCONDUCTIVE COMPOUND, PROVISIONS SHALL BE MADE FOR AN ALTERNATIVE MEANS TO ELIMINATE VOLTAGE GRADIENTS THAT WOULD OTHERWISE BE PROVIDED BY BONDED REINFORCING STEEL.

OWNER NOTES

1. KEEP SHOTCRETE (GUNITE) DAMP CONTINUOUSLY FOR 14 DAYS AFTER INSTALLATION.
2. DO NOT TURN ON LIGHT WHEN POOL IS EMPTY.
3. DO NOT USE BLACK RUBBER HOSE WHEN FILLING POOL (IT MARKS THE PLASTER).

FENCING AND BARRIER NOTES

1. PRIOR TO FILLING, THE POOL AND OR SPA SHALL BE COMPLETELY ENCLOSED BY 5' MIN. HIGH FENCING & GATES WITH NO OPENINGS GREATER THAN 4". GATES TO BE SELF-CLOSING & SELF-LATCHING WITH LATCH A MIN. OF 5' HIGH. ACCESS GATES THROUGH FENCING SHALL OPEN AWAY FROM THE POOL. MAXIMUM VERTICAL CLEARANCE FROM GROUND TO POOL FENCING SHALL NOT EXCEED 2 INCHES. WHERE THIS VARIES FROM LOCAL CODES, THE LOCAL CODES SHALL PREVAIL.
2. BARRIERS SHALL COMPLY WITH CBC SECTION 3109.2 (HS CODE §§ 115920–115929), INCLUDING LOCALLY ADOPTED AMENDMENTS.

GLAZING IN HAZARDOUS LOCATIONS

WHEN REQUIRED BY THE BUILDING OFFICIAL, GLAZING SHALL COMPLY WITH CBC SECTION 2406.4, INCLUDING LOCALLY ADOPTED AMENDMENTS.

1. GLAZING IN WALLS AND FENCES USED AS A BARRIER SHALL BE SAFETY GLAZING WHEN ALL OF THE FOLLOWING CONDITIONS ARE PRESENT:
   A. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE ANY STANDING OR WALKING SURFACE.
   B. THE GLAZING IS WITHIN 5 FEET OF A SWIMMING POOL OR SPA DECK AREA.

TITLE 24

1. PUMPS SHALL BE SIZED PER SECTION 150(p) OF THE LATEST ADOPTED EDITION OF THE BUILDING ENERGY EFFICIENCY STANDARDS.
2. A LENGTH OF STRAIGHT PIPE GREATER THAN OR EQUAL TO 4 PIPE DIAMETERS SHALL BE INSTALLED BEFORE THE PUMP.
3. ALL ELBOWS SHALL BE SWEEP ELBOWS.
4. MANDATORY REQUIREMENTS FOR POOL & SPA HEATING SYSTEMS & EQUIPMENT:
   A. SYSTEM IS CERTIFIED WITH: THERMAL EFFICIENCY THAT COMPLIES WITH THE APPLIANCE EFFICIENCY REGULATIONS, READILY ACCESSIBLE ON-OFF SWITCH, WEATHERPROOF OPERATING INSTRUCTIONS ON ENERGY EFFICIENT OPERATIONS, NO ELECTRIC RESISTANCE HEATING AND NO PILOT LIGHT.
   B. SYSTEM IS INSTALLED WITH:
      i. AT LEAST 36" PIPE BETWEEN FILTER & HEATER FOR FUTURE SOLAR HEATING.
      ii. COVER FOR OUTDOOR POOLS OR OUTDOOR SPA.
   C. POOL SYSTEM HAS DIRECTIONAL INLETS & A CIRCULATION PUMP TIME SWITCH TO PERMIT OFF PEAK OPERATION.

SPECIAL INSPECTION NOTES

1. SPECIAL INSPECTIONS, STRUCTURAL TESTS AND STRUCTURAL OBSERVATIONS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CBC CHAPTER 17.
2. GENERAL REQUIREMENTS:
   A. PROPERLY COMPLETED AND SIGNED COPIES OF THE OWNER/CONTRACTOR AGREEMENT FORM FOR SPECIAL INSPECTION AND CONSTRUCTION MATERIALS TESTING MUST BE SUBMITTED TO THE INSPECTION SERVICES DIVISION PRIOR TO ISSUANCE OF THE PERMIT.
   B. A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.
   C. AN APPLICATION TO PERFORM OFF-SITE FABRICATION MUST BE SUBMITTED TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO FABRICATION.
   D. A CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES DIVISION PRIOR TO ERECTION OF PREFABRICATED COMPONENTS.
   E. THE SPECIAL INSPECTIONS IDENTIFIED ARE IN ADDITION TO THOSE REQUIRED BY SECTION 109 OF THE BUILDING CODE, AS AMENDED. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY A CITY INSPECTOR.

GRADING NOTES

THIS PLAN IS INTENDED FOR THE STRUCTURAL DESIGN ONLY AND IS NOT INTENDED TO DEPICT AN ACCURATE LAYOUT OF ADJACENT GRADES. REFER TO PROJECT GRADING PLAN AND GEOTECHNICAL REPORT MAPS & SECTIONS FOR THE FOLLOWING:
   A. ALL NATURAL AND FINISHED GRADE ELEVATIONS
   B. EXTENTS OF SLOPES.
   C. ALL PROJECT EARTHWORK QUANTITIES.

CONCRETE NOTES

1. ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3,000 P.S.I. MINIMUM, A MAXIMUM WATER-CEMENT RATIO OF 0.50, AND BE TYPE II CEMENT. ALL CONCRETE IN CONTACT WITH SOIL SHALL BE IN ACCORDANCE WITH ACI 318 SECTION 19.3 AND TABLE 19.3.2.1 FOR CONCRETE EXPOSURE TO SULFATE AND AS DIRECTED BY LOCAL PERMITTING AGENCY.
2. KEEP CONCRETE DAMP CONTINUOUSLY FOR 14 DAYS.
3. SHOTCRETE (GUNITE) TO BE IN CONFORMANCE WITH CBC SECTION 1908 & WHERE APPLICABLE, SHOTCRETE (GUNITE) TO BE IN CONFORMANCE WITH CBC SECTION 1904 DURABILITY REQUIREMENTS. AGGREGATE SHALL NOT EXCEED 3/4-INCH.
4. CEMENT SHALL CONFORM TO CBC SECTION 1903.1, ACI 318 CHAPTER 19, & ASTM C 150.
5. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C 33.
6. WATER USED IN CONCRETE SHALL BE CLEAN AND FREE FROM DELETERIOUS SUBSTANCES.
7. HYDRATED LIME SHALL CONFORM TO ASTM C 51.
8. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO CBC/IBC CHAP. 19 DIV. II AND BE TYPE II.
9. NO ADMIXTURES OF ANY KIND ARE ALLOWED WITHOUT APPROVAL FROM THIS OFFICE PRIOR TO CONSTRUCTION.
10. ALL INTERIOR SURFACES OF POOL SHALL BE COATED WITH A WATER-TIGHT SURFACE.

CONTINUOUS SHOTCRETE INSPECTION

ALL PNEUMATIC CONCRETE PLACEMENT SHALL BE INSPECTED BY A SPECIAL INSPECTOR IN CONFORMANCE WITH CBC SECTION 1704, WHO SHALL SUBMIT A STATEMENT INDICATING COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

SHOTCRETE APPLICATION

ALL PNEUMATICALLY APPLIED CONCRETE SHALL BE PERFORMED BY AN AMERICAN CONCRETE INSTITUTE (ACI) CERTIFIED NOZZLEMAN.

CURING

AS SOON AS POSSIBLE AFTER INITIAL SET, BEGIN SHOTCRETE CURING BY MISTING, SOAKER HOSES, SPRINKLERS, WATER PONDING WHERE APPROPRIATE OR OTHER APPROVED MEANS. SHOTCRETE MUST BE MAINTAINED CONTINUOUSLY WET FOR A MINIMUM OF 14 DAYS AND PREFERABLY LONGER.

EXAMINATION FOR SHRINKAGE CRACKS

PRIOR TO THE APPLICATION OF THE POOLS WATERPROOF FINISH SURFACE COATING, THE SHOTCRETE SHELL SHALL BE CLOSELY EXAMINED TO LOCATE ANY SHRINKAGE CRACKS. THE SHRINKAGE CRACKS SHALL BE INJECTED WITH HIGH PRESSURE EPOXY TO THE GREATEST DEPTH POSSIBLE IN THE CRACK.

WATERPROOFING NOTES

1. CEMENTITIOUS SWIMMING POOL SURFACE COATINGS ARE NOT WATERPROOF AND ARE NOT INTENDED TO COMPLETELY STOP MOISTURE PENETRATION. IF THE SWIMMING POOL IS IN A LOCATION WHERE COMPLETE WATER TIGHTNESS IS REQUIRED, SUITABLE WATERPROOFING MUST BE INSTALLED PRIOR TO THE CEMENTITIOUS SWIMMING POOL SURFACE COATINGS.
2. IF THE SWIMMING POOL IS TO BE LOCATED WHERE WATER LEAKAGE FROM THE POOL COULD CAUSE DAMAGE TO ADJACENT OR UNDERLYING FACILITIES, A SECONDARY LEAK CONTAINMENT AND DISPOSAL SYSTEM IS REQUIRED AS A PART OF THE POOL INSTALLATION.

REINFORCING NOTES

1. REINFORCING STEEL SHALL BE DEFORMED BARS & CONFORM TO ASTM A615 GRADE 40 FOR #4 BARS AND SMALLER, AND GRADE 60 FOR #5 BARS AND LARGER.
2. LAP SPLICES TO CONFORM WITH ACI 318 CURRENT EDITION.
3. MINIMUM CLEARANCE BETWEEN PARALLEL BARS SHALL BE 2 1/2".
4. THE MINIMUM COVER FOR REINFORCEMENT SHALL BE IN ACCORDANCE WITH CBC AND ACI 318.
5. BARS SHALL BE CLEAN OF GREASE AND/OR OTHER MATERIAL LIKELY TO IMPAIR BONDING.
6. ALL REBAR SHALL BE BENT COLD IN ACCORDANCE WITH ACI 318 CURRENT EDITION.
7. ALL REINFORCING STEEL LAPS OR SPLICES SHALL BE AS INDICATED ON PLANS. WHERE LAP OR SPLICE LOCATIONS ARE NOT SPECIFIED, LAPS OR SPLICES SHALL BE WELL STAGGERED.
8. ENDS OF REINFORCEMENT SHALL BE COVERED WITH PLASTIC CAPS TO PROTECT CRAFT PERSONNEL FROM INJURY PER OSHA STANDARD 1926.701(b). PLASTIC CAPS SHALL BE REMOVED PRIOR TO ENCASING REINFORCEMENT IN CONCRETE.
9. PROTECT FROM CORROSION ALL REINFORCEMENT LEFT EXPOSED FOR FUTURE CONCRETE PLACEMENT.
10. DOWELS SHALL BE PROVIDED AT POUR JOINTS AND AT CONSTRUCTION JOINTS, AND SHALL BE THE SAME SIZE AND SPACING AS THE REINFORCING SHOWN FOR THE SUBSEQUENT CONSTRUCTION, UNLESS NOTED OTHERWISE.
11. BONDING/GROUNDING (PER THE CEC) OF THE STRUCTURAL REINFORCING MUST BE INSTALLED PRIOR TO PLACEMENT OF CONCRETE.
12. THIS PLAN SPECIFIES THE MINIMUM REQUIRED REINFORCEMENT. FOR CONVENIENCE OF THE INSTALLER, THERE MAY BE MORE REINFORCEMENT THAN SPECIFIED AT ANY GIVEN POINT IN THE POOL.

GENERAL NOTES

1. THIS STRUCTURAL PLAN MUST BE ACCOMPANIED BY A CLEAR PLOT PLAN SHOWING POOL SHAPE, DEPTH AND DISTANCE TO PROPERTY LINE, SLOPES AND STRUCTURES.
2. SEE ARCHITECTURAL DRAWINGS FOR:
   A. DIMENSIONS AND DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
   B. EXTENT AND LOCATION OF SLOPES, DRAINAGE, FINISH FLOOR ELEVATIONS, ETC.
3. ALL BENCH AND STAIR LOCATIONS MUST CONFORM TO THESE PLANS.
4. REPRESENTATIVES OF POOL ENGINEERING INC. HAVE NOT INSPECTED THE SITE & ARE RELYING ON INFORMATION PROVIDED BY THE CONTRACTOR OR OWNER TO DETERMINE THE ADEQUACY OF THIS POOL STRUCTURAL PLAN FOR THE ACTUAL SITE CONDITIONS. SHOULD SITE CONDITIONS VARY FROM THAT COVERED BY THIS POOL STRUCTURAL PLAN, IT IS THE RESPONSIBILITY OF THE CONTRACTOR OR THE OWNER TO NOTIFY POOL ENGINEERING, INC. PRIOR TO CONSTRUCTION.
5. THIS STRUCTURAL PLAN IS NOT INTENDED TO BE APPLICABLE TO NON-STRUCTURAL ITEMS INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL, FENCING, WATERPROOFING, DRAINAGE AND CONCRETE DECKING ON GRADE.
6. DECKING IF DEPICTED HEREIN IS SHOWN AS RECOMMENDED MINIMUM CONSTRUCTION AND DOES NOT DEMONSTRATE A SYSTEM THAT WILL RESIST HEAVING DUE TO SOIL EXPANSION.
7. ALL CONSTRUCTION SHALL COMPLY WITH THE 2022 EDITIONS OF THE CALIFORNIA BUILDING CODE (CBC), CALIFORNIA ELECTRICAL CODE (CEC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA GREEN BUILDING STANDARDS CODE, BUILDING EFFICIENCY STANDARDS, AND LOCAL ORDINANCES.
8. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER DRAWING SCALE.
9. POOLS WITH DIVING BOARDS AND/OR SLIDES SHALL MEET THE MANUFACTURER'S POOL GEOMETRIC STANDARDS AND/OR LOCAL CODES.
10. SIGNS & SAFETY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES.
11. POOL LENGTH, GRADE BREAK LOCATIONS & DEPTH DIMENSIONS AS NOTED ON THE SITE PLAN PROVIDED BY THE CONTRACTOR SHALL COMPLY WITH APSP SUGGESTED MINIMUM STANDARDS FOR RESIDENTIAL POOLS OR APPLICABLE STATE AND LOCAL HEALTH DEPARTMENTS REGULATIONS AND MANUFACTURERS RECOMMENDATIONS.
12. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE OR CONSENT OF THE ENGINEER WHOSE SIGNATURE APPEARS HEREON.
13. NO DEVIATIONS FROM STRUCTURAL DETAILS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. APPROVAL BY THE CITY INSPECTOR DOES NOT CONSTITUTE AUTHORITY TO DEVIATE FROM PLANS OR SPECIFICATIONS.
14. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ERRORS, DISCREPANCIES AND/OR OMISSIONS OF WHICH THE CONTRACTOR FAILED TO NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION AND/OR FABRICATION OF THE WORK.
15. OWNER, ARCHITECT OR CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND CHECKING STRUCTURAL PLANS AND DETAILS HEREIN FOR CORRECTNESS OF DESIGN INTENT PRIOR TO SUBMITTING FOR PERMIT, INITIATION OF WORK OR ORDERING OF MATERIALS. VARIANCES OR ERRORS SHALL BE BROUGHT TO THE ATTENTION OF POOL ENGINEERING, INC. BEFORE PROCEEDING.
16. THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL GRADES, DIMENSIONS, AND EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION.
17. THESE PLANS ARE FOR THE STRUCTURAL DESIGN ONLY. THE CONFIGURATION OF THE STRUCTURES HEREIN ARE AS DIRECTED BY THE OWNER, ARCHITECT OR CONTRACTOR.
18. THIS PLAN DEPICTS THE STRUCTURES IN A COMPLETED STATE ONLY. THE INSTALLER IS RESPONSIBLE FOR JOB SITE CONDITIONS AND THE SAFETY OF ALL PERSONS & PROPERTY DURING THE COURSE OF CONSTRUCTION.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND PROVIDING BRACING DURING CONSTRUCTION AND/OR ERECTION TO SUPPORT ALL LOADS TO WHICH THE STRUCTURES AND SUPPORTING SOIL MAY BE SUBJECTED.
20. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT OR ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT OR ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT OR ENGINEER, WHETHER OF MATERIAL OR WORK, AND FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING COMPLIANCE WITH CONTRACT DOCUMENTS, DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

FOUNDATION NOTES

1. CONCRETE SHALL BE PLACED AGAINST GEOTECHNICAL ENGINEER APPROVED SUBGRADE.
2. ALL FOOTING STEEL SHALL HAVE 3" MINIMUM CLEARANCE (CONCRETE COVER) TO EARTH.
3. SOIL SHALL HAVE A MINIMUM BEARING CRITERIA PER THE GEOTECHNICAL RECOMMENDATIONS.
4. PROJECT GEOTECHNICAL ENGINEER TO VERIFY DEPTH TO APPROVED COMPETENT BEDROCK FOR PILE SUPPORT.
5. POOL EXCAVATION SHALL BE INSPECTED BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO STEEL PLACEMENT.
6. THIS PLAN IS BASED ON THE BEST INFORMATION AVAILABLE IN THE SOILS REPORT. GEOTECHNICAL ENGINEER TO VERIFY SITE CONDITIONS AND NOTIFY POOL ENGINEERING, INC. OF ANY CHANGES.
7. SHOULD UNUSUAL OR UNEXPECTED SOIL CONDITIONS BE ENCOUNTERED, THE PROJECT GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED TO PROVIDE ADDITIONAL RECOMMENDATIONS.
8. UNLESS SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS, PILES SHALL NOT BE PENETRATED BY PIPE SLEEVES, CONDUITS, BLOCKOUTS, ETC. FOR MECHANICAL, PLUMBING, OR ELECTRICAL WORK.
9. UNLESS SHOWN OTHERWISE, ALL FOOTINGS SHALL BE CENTERED ON PILES.
10. PILE CONCRETE MUST BE CAST-IN-PLACE, NO SHOTCRETE OR GUNITE MAY BE USED THROUGHOUT PILES.

SUMMARY OF SPECIAL INSPECTIONS SCHEDULE

REQ'D	#	DESCRIPTION OF TYPE OF INSPECTION REQUIRED, LOCATION, REMARKS, ETC.
☒	1.	CONCRETE – f'c= 3,000 psi
☐	2.	BOLTS INSTALLED IN CONCRETE
☐	3.	CONCRETE MOMENT RESISTING SPACE FRAME
☐	4.	REINFORCING STEEL AND PRESTRESSING STEEL
☐	5.	ALL STRUCTURAL WELDING INCLUDING REINFORCING STEEL
☐	6.	HIGH STRENGTH BOLTING
☐	7.	STRUCTURAL MASONRY
☒	8.	DEEP FOUNDATIONS (PILLING, DRILLED PIERS, & CAISSONS)
☒	9.	SHOTCRETE – f'c= 3,000 psi
☒	10.	VERIFY SOIL CONDITIONS ARE SUBSTANTIALLY IN CONFORMANCE WITH THE SOIL INVESTIGATION
☒	11.	VERIFY FOUNDATION EXCAVATION
☐	12.	PROVIDE SOIL COMPACTION TEST RESULTS
☐	13.	SPECIAL CASES AS SPECIFIED BY THE BUILDING OFFICIAL
☐	14.	OFF-SITE FABRICATION OF BUILDING COMPONENTS
☐	15.	AS REQUIRED BY THE DESIGNER

GEOTECHNICAL ENGINEER

BAY CITY GEOLOGY, INC.
24736 CALVERT ST.
WOODLAND HILLS, CA 91367
310-429-6681
email@baycitygeology.com

SPECIAL INSPECTION SPECIFICATIONS

DRILLING OF PILES	DEPTH OF PILES TO BE INSPECTED BY PROJECT GEOTECHNICAL ENGINEER. PILE EMBEDMENT INTO UNDERLYING COMPETENT BEDROCK MUST CONFORM WITH FOUNDATION PLAN, SHEET S-2.0, TO BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER OR GEOLOGIST.
STEEL CAGE CONSTRUCTION AND PLACING	A LOCAL AGENCY CERTIFIED INSPECTOR MUST BE PRESENT DURING THE CONSTRUCTION AND PLACEMENT OF STEEL CAGES. STEEL CAGES MUST BE ACCURATELY PLACED AND ADEQUATELY SUPPORTED BEFORE CONCRETE IS POURED, AND SHALL BE SECURED AGAINST DISPLACEMENT PER ACI SECTION 26.6.2.
TAKING TEST SPECIMENS FOR CONCRETE	AN INSPECTOR MUST BE PRESENT DURING THE TAKING OF ALL TEST SPECIMENS FOR CONCRETE. CONCRETE MUST HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI WITH MAXIMUM WATER-CEMENTATIOUS RATIO OF 0.50 AND BE TYPE II CEMENT.
POURING CONCRETE FOR PILES	AN INSPECTOR MUST BE PRESENT DURING THE POURING OF ALL CONCRETE PILES.
CONTINUOUS SHOTCRETE INSPECTION	ALL PNEUMATIC CONCRETE PLACEMENT SHALL BE INSPECTED BY A SPECIAL INSPECTOR IN CONFORMANCE WITH CBC SECTION 1704, WHO SHALL SUBMIT A STATEMENT INDICATING COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

NOTE:
IN ADDITION TO THE SPECIAL INSPECTIONS SPECIFIED ABOVE, THE BUILDING OFFICIAL MAY MAKE OR REQUIRE OTHER INSPECTIONS OF ANY CONSTRUCTION WORK TO ASCERTAIN COMPLIANCE WITH THE PROVISIONS OF THE CBC AND OTHER LAWS WHICH ARE ENFORCED BY THE CODE ENFORCEMENT AGENCY.

SUMMARY OF MATERIAL CRITERIA

MATERIAL COMPONENT:	DESIGN STRENGTH:
REINFORCING	#4 BARS AND SMALLER: f_y = 40 ksi (GR40) #5 BARS AND LARGER: f_y = 60 ksi (GR60)
CONCRETE (CAST-IN-PLACE)	f'_c = 3,000 psi
PNEUMATICALLY PLACED CONCRETE (SHOTCRETE/GUNITE)	f'_c = 3,000 psi

DESIGN CRITERIA

DESIGN PER 2022 CBC & SOILS REPORT PROVIDED BY BAY CITY GEOLOGY, INC. (PROJECT #2400):
- **GEOLOGIC AND SOILS ENGINEERING INVESTIGATION–PROPOSED SWIMMING POOL & SPA DATED 6/3/22**
- **SUPPLEMENTAL REPORT No .2–UPDATED GEOTECHNICAL RECOMMENDATIONS DATED 3/22/23**

- HYDROSTATIC PRESSURE: 62.4 P.C.F.
- SOIL EQUIVALENT FLUID PRESSURE: 60 P.C.F.
- SEISMIC EQUIVALENT FLUID PRESSURE: 36 P.C.F.
- SKIN FRICTION: 400 P.S.F.
- PASSIVE PRESSURE: 275 P.C.F. (3,300 P.S.F. MAX.)
- CREEP: 1,000 P.L.F.

SHEET INDEX

ENGINEER:
pool engineering inc.
America's Experts in Swimming Pool Structural Design and Construction Trade Practice.
1201 N. Tustin Ave.
Anaheim, CA 92807
Phone: (714) 630-6100
Fax.: (714) 630-6114
www.pooleng.com

REVISIONS:

#	REASON OR ISSUE	DATE
1	REVISED LAYOUT	04/08/24

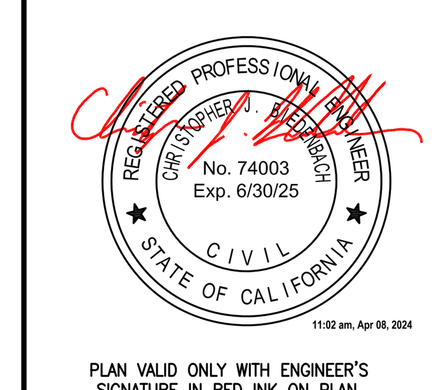
PROJECT:
BENNETT
2558 CORRALITAS DR.
LOS ANGELES, CA 90039

CONTRACTOR:

PROJECT TYPE:
PILE SUPPORTED SWIMMING POOL & SPA

SHEET CONTENTS:
NOTES & SPECIFICATIONS

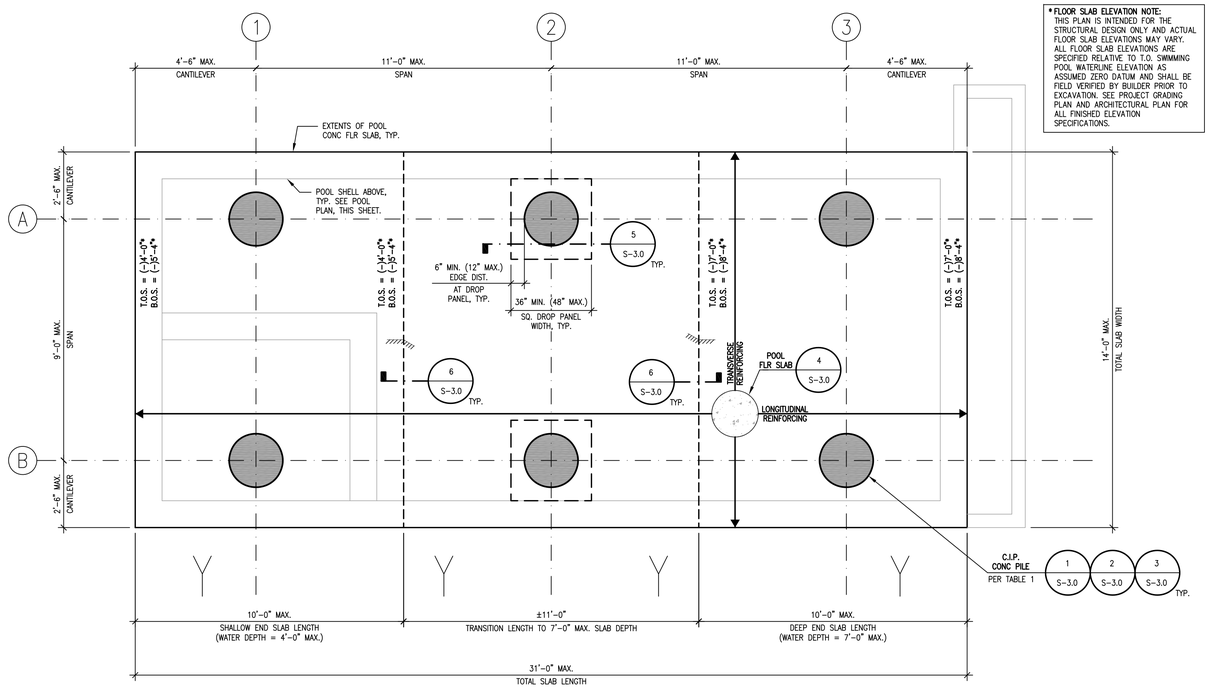
ENGINEER'S STAMP:



PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.

JOB #:	23-0111
SCALE:	PER DETAIL
DATE:	05/30/23
CALCS BY:	C.J.B.
DRAWN BY:	C.J.B.
CHECKED BY:	C.C.V.

SHEET #:
S-1.0



*** FLOOR SLAB ELEVATION NOTE:**
THIS PLAN IS INTENDED FOR THE STRUCTURAL DESIGN ONLY AND ACTUAL FLOOR SLAB ELEVATIONS MAY VARY. ALL FLOOR SLAB ELEVATIONS ARE SPECIFIED RELATIVE TO T.O. SWIMMING POOL WATERLINE ELEVATION AS ASSUMED ZERO DATUM AND SHALL BE FIELD VERIFIED BY BUILDER PRIOR TO EXCAVATION. SEE PROJECT GRADING PLAN AND ARCHITECTURAL PLAN FOR ALL FINISHED ELEVATION SPECIFICATIONS.

TABLE 1
PILE FOUNDATION SCHEDULE

SYMBOL	DIAMETER	D1(1)	D2(2)	VERT REINF	SPIRAL TIES(3)	DOWELS TO FLR SLAB	TYP. PILE ELEVATION	TYP. PILE SECTION
●	24"ø	25'-0"	6'-0"	(12) #8	#4 @ 6"	(12) #5	#1/S-3.0	#2/S-3.0

(1) D1 – MINIMUM PILE EMBEDMENT DEPTH INTO GEOTECHNICAL ENGINEER APPROVED BEDROCK
PILE EMBEDMENT DEPTH (**D1**) BEGINS AT GEOTECHNICAL ENGINEER APPROVED BEDROCK AND EXTENDS A MINIMUM DISTANCE AS SPECIFIED IN TABLE 1. PROJECT GEOTECHNICAL ENGINEER SHALL VERIFY PILE EMBEDMENT DEPTH PRIOR TO PLACEMENT OF STEEL CAGE.

(2) D2 – MAXIMUM ASSUMED DEPTH TO GEOTECHNICAL ENGINEER APPROVED BEDROCK
MAXIMUM ASSUMED DEPTH TO GEOTECHNICAL ENGINEER APPROVED BEDROCK CONTACT (**D2**) SHALL NOT EXCEED THE ASSUMED DEPTH SPECIFIED IN TABLE 1, BELOW BOTTOM OF FLOOR SLAB ELEVATION, AND SHALL BE VERIFIED BY PROJECT GEOTECHNICAL ENGINEER. IF THE ACTUAL DEPTH TO APPROVED BEDROCK CONTACT EXCEEDS THE ASSUMED DEPTH (**D2**), THEN CONTACT POOL ENGINEERING, INC. FOR FURTHER INSTRUCTIONS.

(3) CIRCULAR TIES MAY BE USED IN LIEU OF SPIRALS. MAXIMUM SPACING BETWEEN CIRCULAR TIES SHALL NOT EXCEED 6" O.C.. SEE REINFORCING DETAILS, SHEET S-1.0 FOR FURTHER TIE SPECIFICATIONS.

MIN. PILE SPACING:
PILES MUST BE SPACED NO CLOSER THAN 6'-0" MINIMUM CENTER-TO-CENTER.

MIN. PILE EDGE DISTANCE:
PILES SHALL MAINTAIN A MINIMUM DISTANCE OF AT LEAST 0'-6" FROM EDGE OF CONCRETE SLABS.

CIRCULATION DRAINS:
PROVIDE (2) ANTI-VORTEX CIRCULATION DRAINS PER PUMP, COVERED WITH APPROVED A.S.M.E. STANDARD A112.19.8 ANTI-ENTRAPMENT GRATES, THAT ARE HYDRAULICALLY BALANCED AND SYMMETRICALLY PLUMBED THROUGH "T" FITTINGS. DRAINS SHALL BE SEPARATED BY THREE FEET IN ANY DIMENSION. SEE ELECTRICAL AND PLUMBING NOTE 8.

GRADING NOTE:
THIS PLAN IS INTENDED FOR THE STRUCTURAL DESIGN ONLY AND IS NOT INTENDED TO DEPICT AN ACCURATE LAYOUT OF ADJACENT GRADES. REFER TO PROJECT GRADING PLAN AND GEOTECHNICAL REPORT MAPS & SECTIONS FOR ALL NATURAL AND FINISHED GRADE ELEVATIONS AND EXTENTS OF SLOPES.

PROJECT GEOTECHNICAL ENGINEER INSPECTION NOTE:
PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE POOL EXCAVATION AND PILE DEPTHS MAKING SPECIFIC REFERENCE TO EMBEDMENT INTO COMPETENT BEDROCK AND VERIFICATION OF RECOMMENDED FOUNDATION SETBACK TO DESCENDING SLOPE PRIOR TO CONCRETE PLACEMENT.

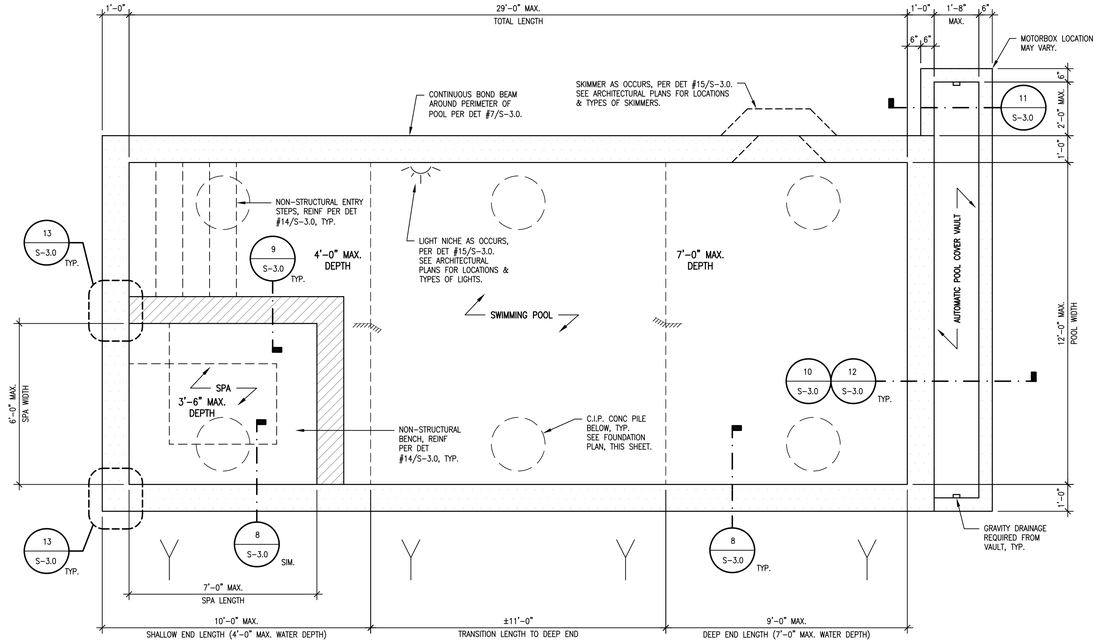
POOL DEPTH & FLOOR TRANSITION NOTES:
POOL LENGTH, GRADE BREAK LOCATIONS & DEPTH DIMENSIONS SHALL COMPLY WITH APSP SUGGESTED MINIMUM STANDARDS FOR RESIDENTIAL POOLS OR APPLICABLE STATE AND LOCAL HEALTH DEPARTMENT REGULATIONS AND MANUFACTURER RECOMMENDATIONS.

TRANSVERSE DIRECTION

LONGITUDINAL DIRECTION

1 FOUNDATION PLAN

SCALE: 3/8"=1'-0"



SEE ARCHITECTURAL DRAWINGS FOR:
A. DIMENSIONS AND DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
B. EXTENT AND LOCATION OF SLOPES, DRAINAGE, FINISH FLOOR ELEVATIONS, ETC.

CIRCULATION DRAINS:
PROVIDE (2) ANTI-VORTEX CIRCULATION DRAINS PER PUMP, COVERED WITH APPROVED A.S.M.E. STANDARD A112.19.8 ANTI-ENTRAPMENT GRATES, THAT ARE HYDRAULICALLY BALANCED AND SYMMETRICALLY PLUMBED THROUGH "T" FITTINGS. DRAINS SHALL BE SEPARATED BY THREE FEET IN ANY DIMENSION. SEE ELECTRICAL AND PLUMBING NOTE 8.

GRADING NOTE:
THIS PLAN IS INTENDED FOR THE STRUCTURAL DESIGN ONLY AND IS NOT INTENDED TO DEPICT AN ACCURATE LAYOUT OF ADJACENT GRADES. REFER TO PROJECT GRADING PLAN AND GEOTECHNICAL REPORT MAPS & SECTIONS FOR ALL NATURAL AND FINISHED GRADE ELEVATIONS AND EXTENTS OF SLOPES.

PROJECT GEOTECHNICAL ENGINEER INSPECTION NOTE:
PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE POOL EXCAVATION AND PILE DEPTHS MAKING SPECIFIC REFERENCE TO EMBEDMENT INTO COMPETENT BEDROCK AND VERIFICATION OF RECOMMENDED FOUNDATION SETBACK TO DESCENDING SLOPE PRIOR TO CONCRETE PLACEMENT.

POOL DEPTH & FLOOR TRANSITION NOTES:
POOL LENGTH, GRADE BREAK LOCATIONS & DEPTH DIMENSIONS SHALL COMPLY WITH APSP SUGGESTED MINIMUM STANDARDS FOR RESIDENTIAL POOLS OR APPLICABLE STATE AND LOCAL HEALTH DEPARTMENT REGULATIONS AND MANUFACTURER RECOMMENDATIONS.

TRANSVERSE DIRECTION

LONGITUDINAL DIRECTION

2 POOL PLAN

SCALE: 3/8"=1'-0"

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1201 N. Tustin Ave.
Anaheim, CA 92807
Phone: (714) 630-6100
Fax.: (714) 630-6114
www.pooleng.com

REVISIONS:

#	REASON OR ISSUE	DATE
1	REVISED LAYOUT	04/08/24

PROJECT:

BENNETT
2558 CORRALITAS DR.
LOS ANGELES, CA 90039

CONTRACTOR:

PROJECT TYPE:

PILE SUPPORTED SWIMMING POOL & SPA

SHEET CONTENTS:

FOUNDATION PLAN & POOL PLAN

ENGINEER'S STAMP:

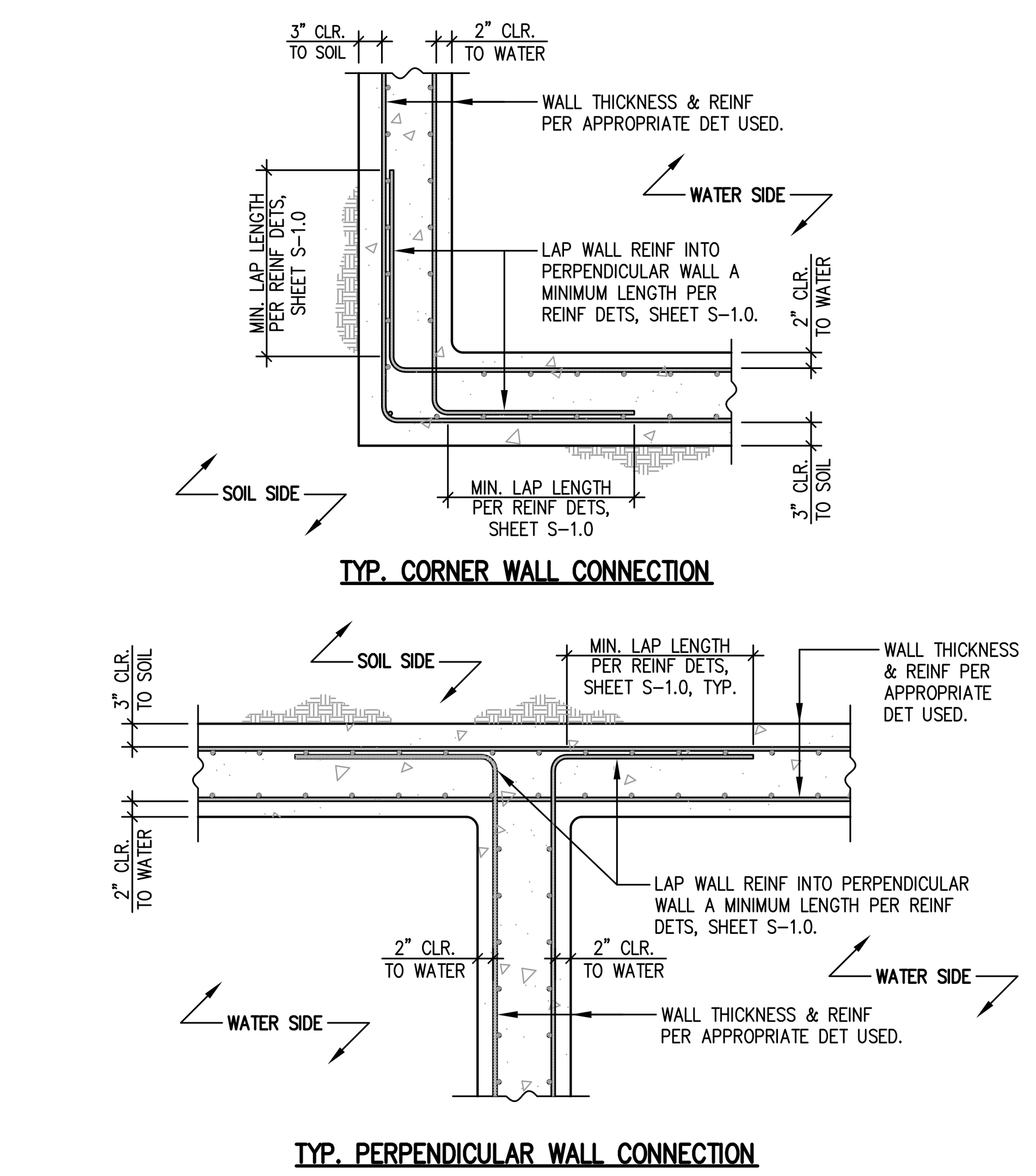
11:02 am, Apr 08, 2024

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.

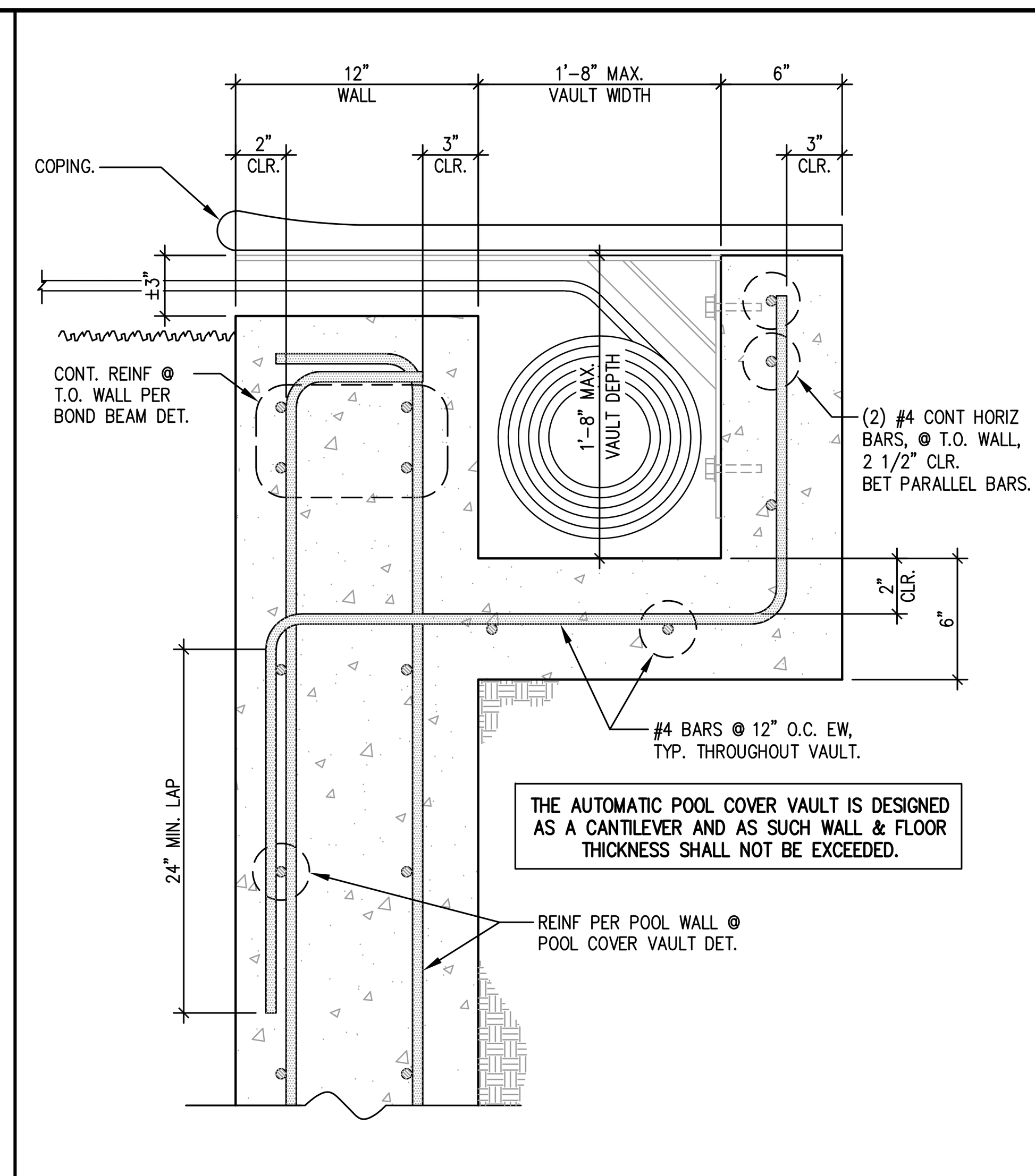
JOB #:	23-0111
SCALE:	PER DETAIL
DATE:	05/30/23
CALCS BY:	C.J.B.
DRAWN BY:	C.J.B.
CHECKED BY:	C.C.V.

SHEET #:

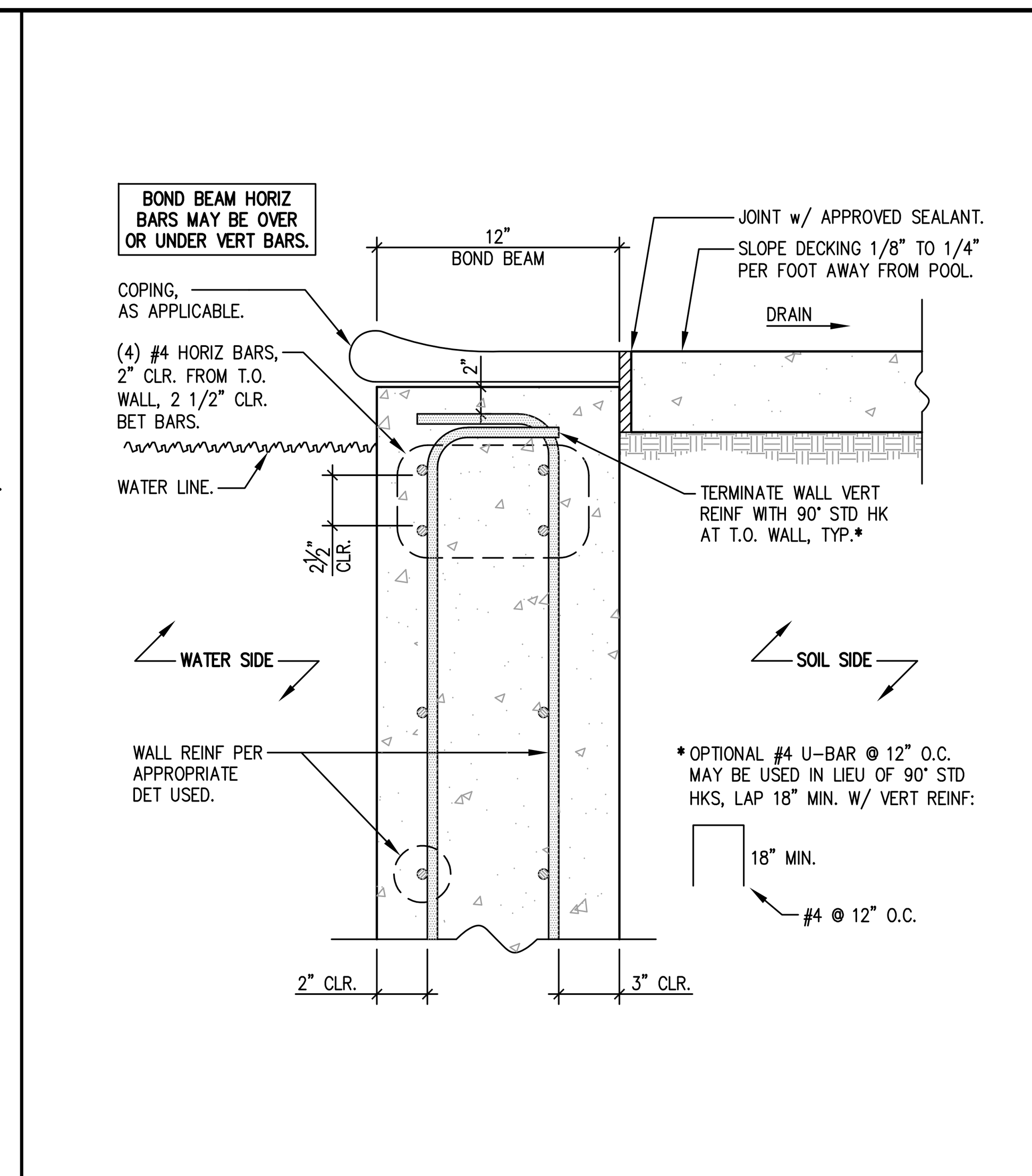
S-2.0



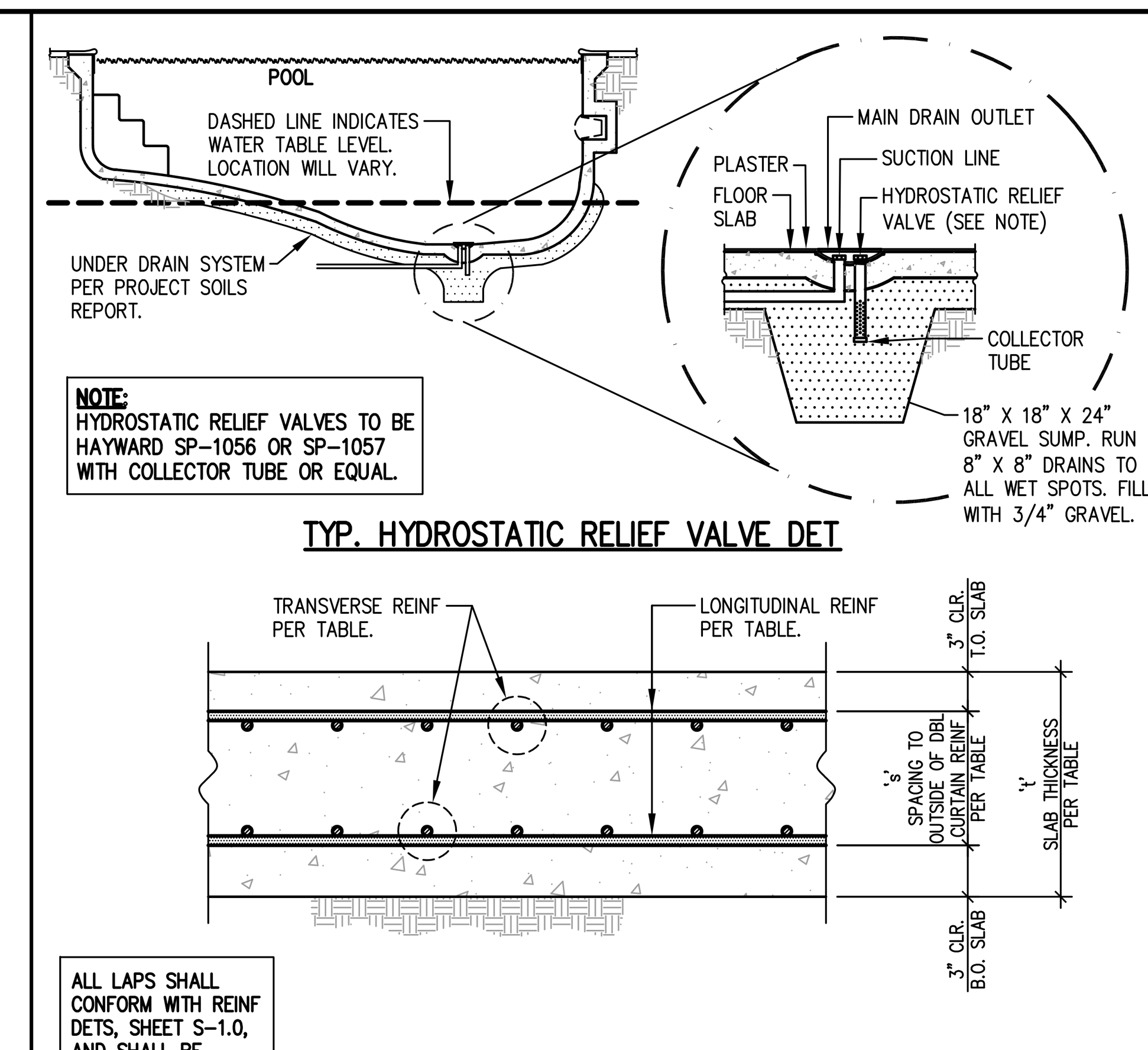
13 TYP. WALL INTERSECTION DETS — SCALE: N.T.S.



10 TYP. POOL COVER VAULT — SCALE: N.T.S.



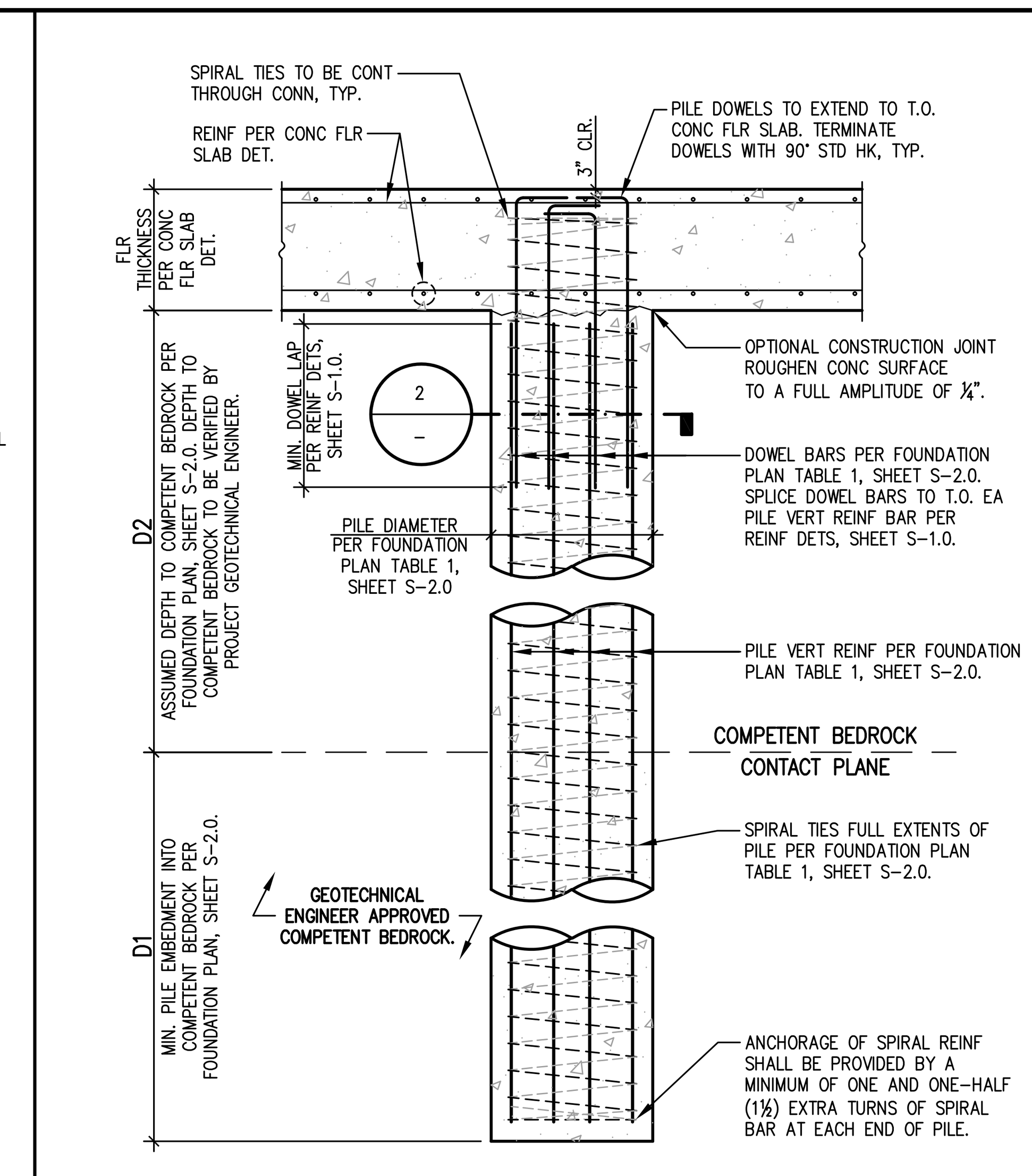
7 TYP. STD. BOND BEAM — SCALE: N.T.S.



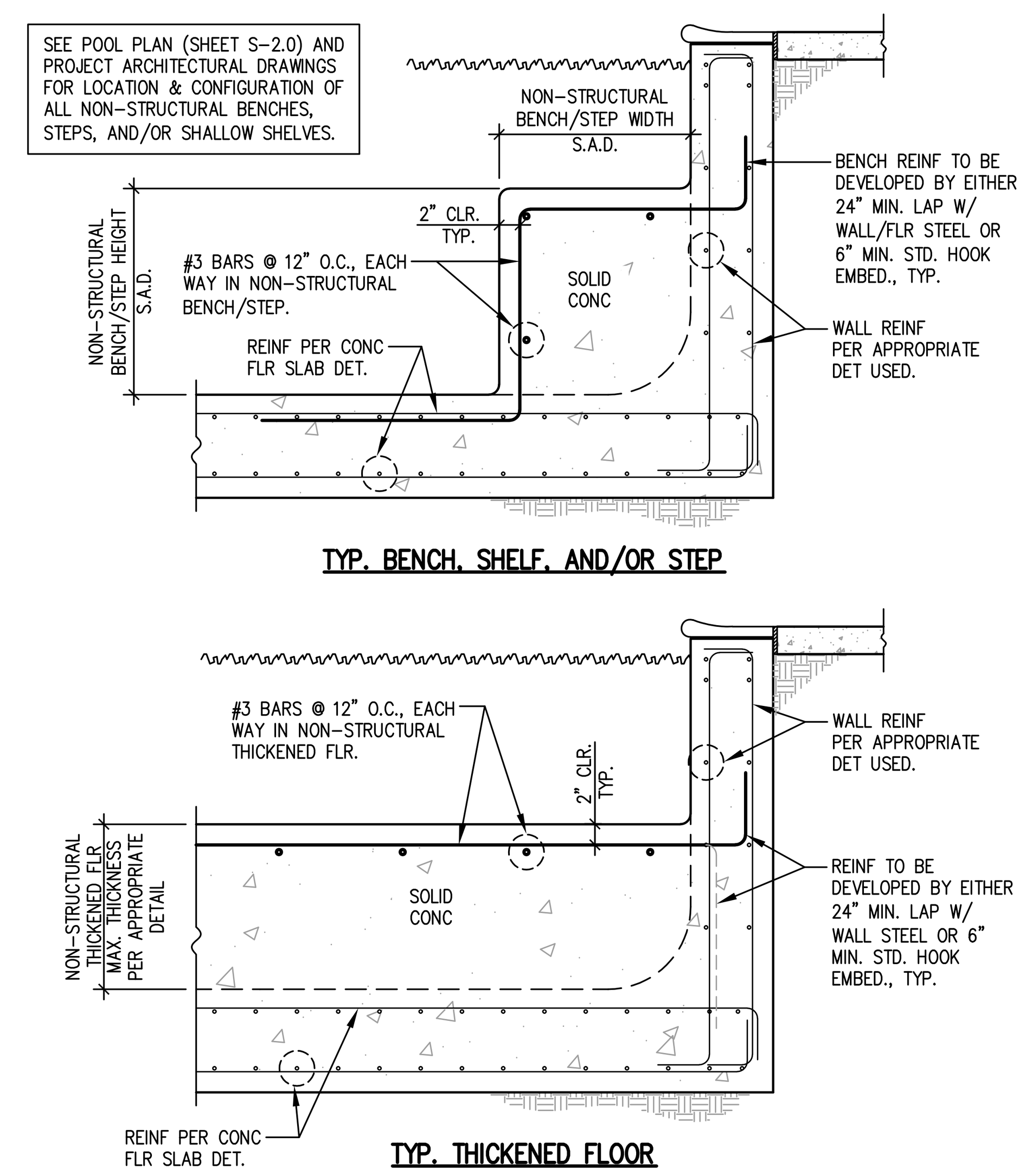
CONC FLR SLAB SCHEDULE

't' THICKNESS	's' CURTAIN SPACING	TRANSVERSE REINFORCING	LONGITUDINAL REINFORCING
16"	11"	#5 @ 6" O.C.	#5 @ 6" O.C.

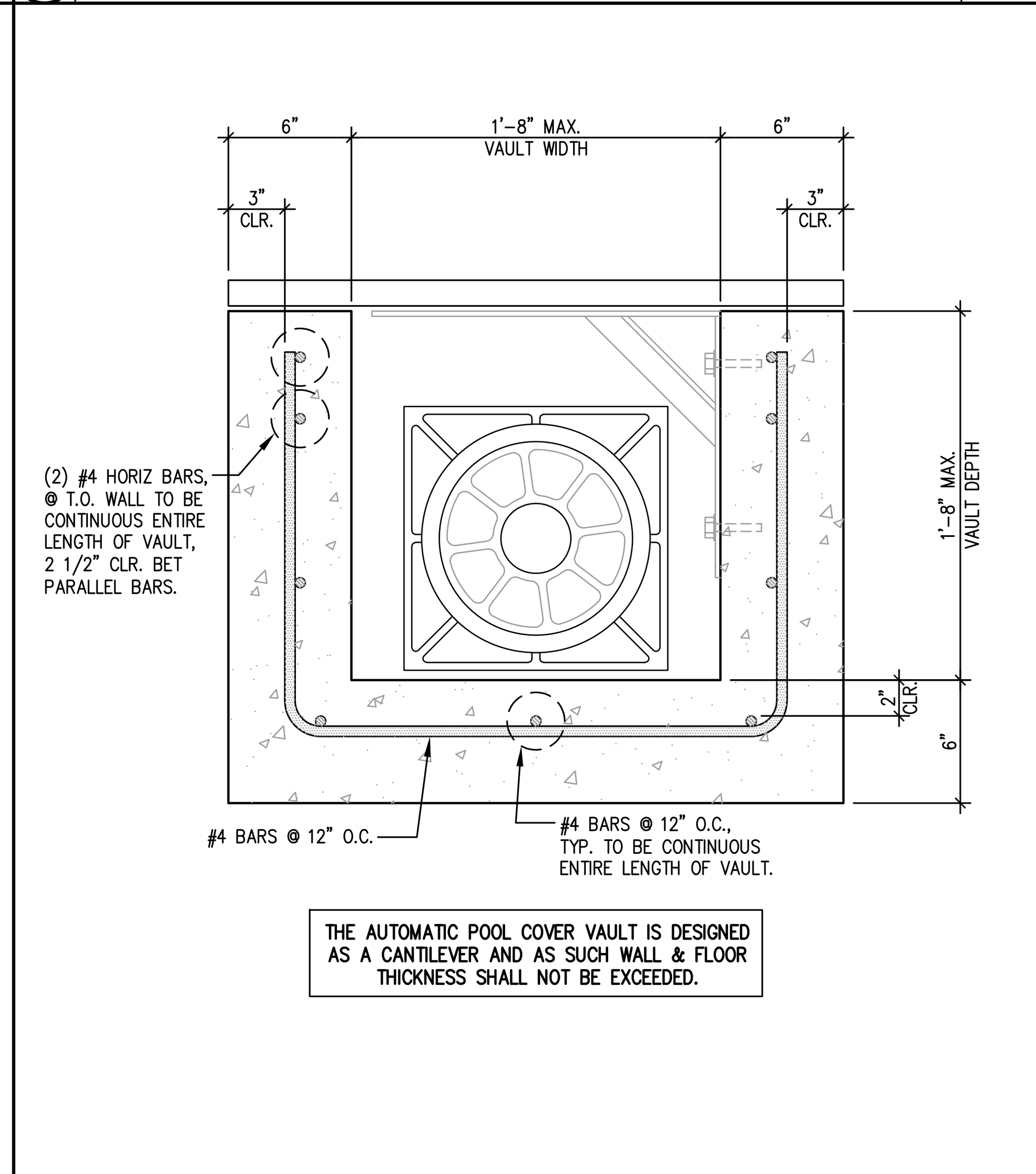
4 TYP. CONC FLR SLAB — SCALE: N.T.S.



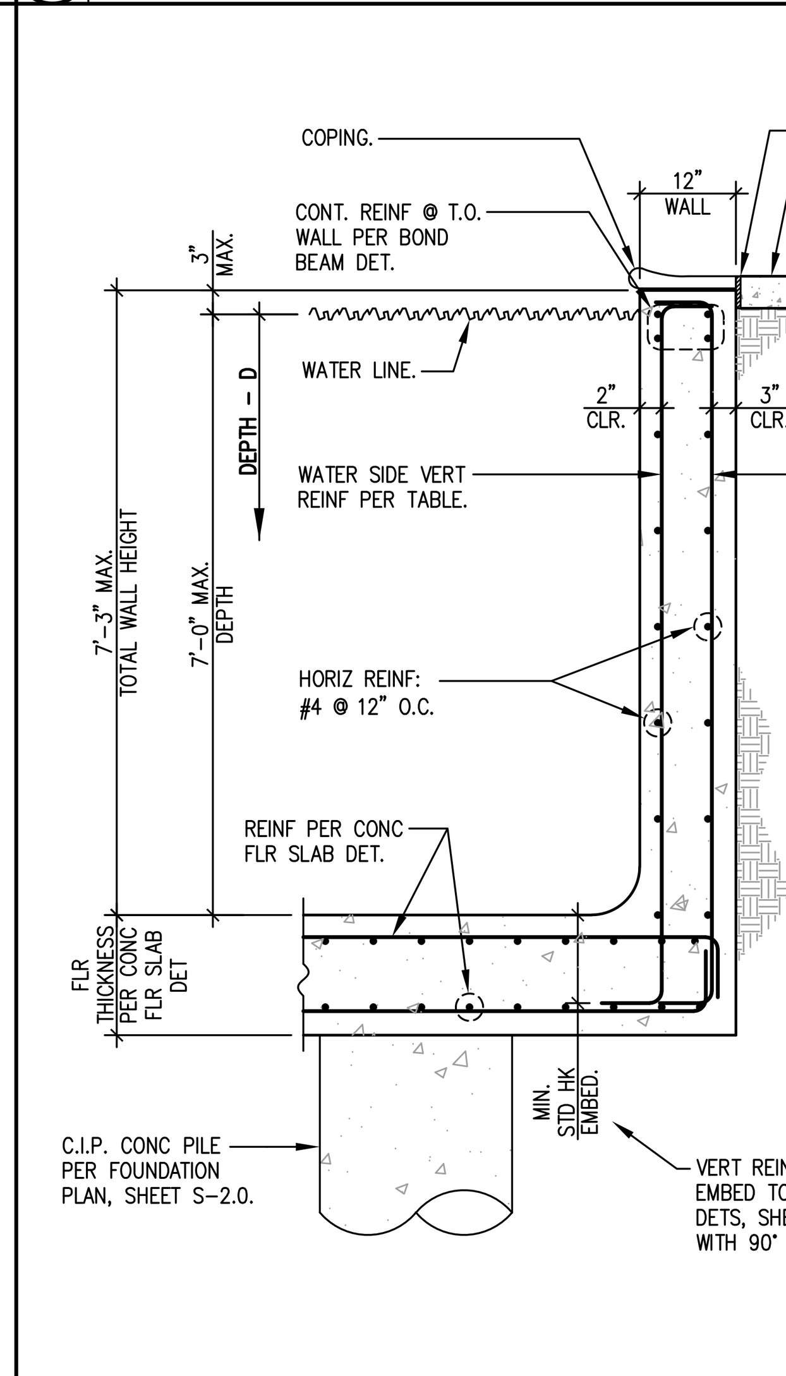
1 TYP. PILE ELEVATION — SCALE: N.T.S.



14 TYP. NON-STRUCTURAL BENCHES/STEP/THICKENED FLR — SCALE: N.T.S.



11 TYP. POOL COVER VAULT AT MOTORBOX EXTENSION — SCALE: N.T.S.

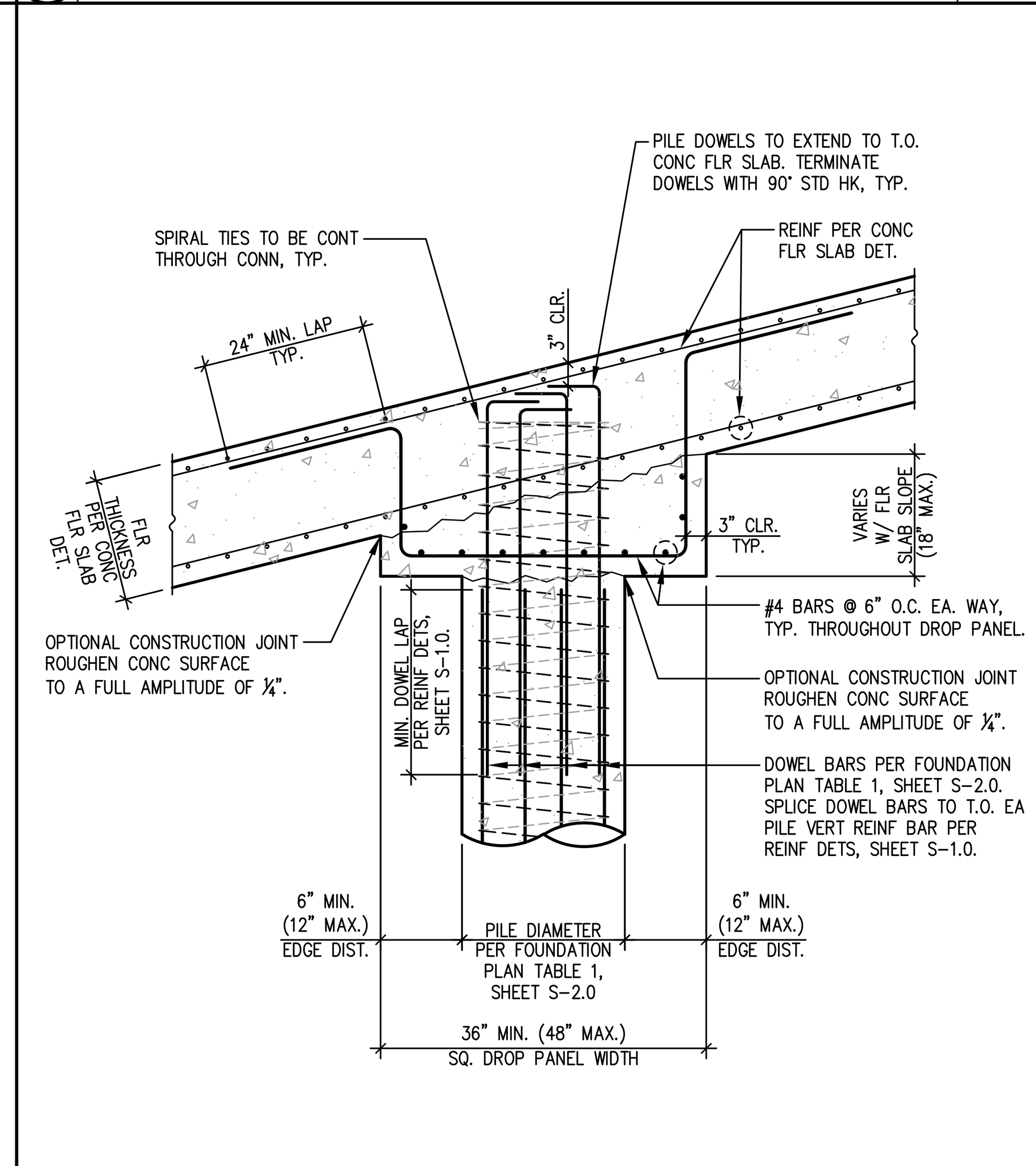


WALL VERT REINF

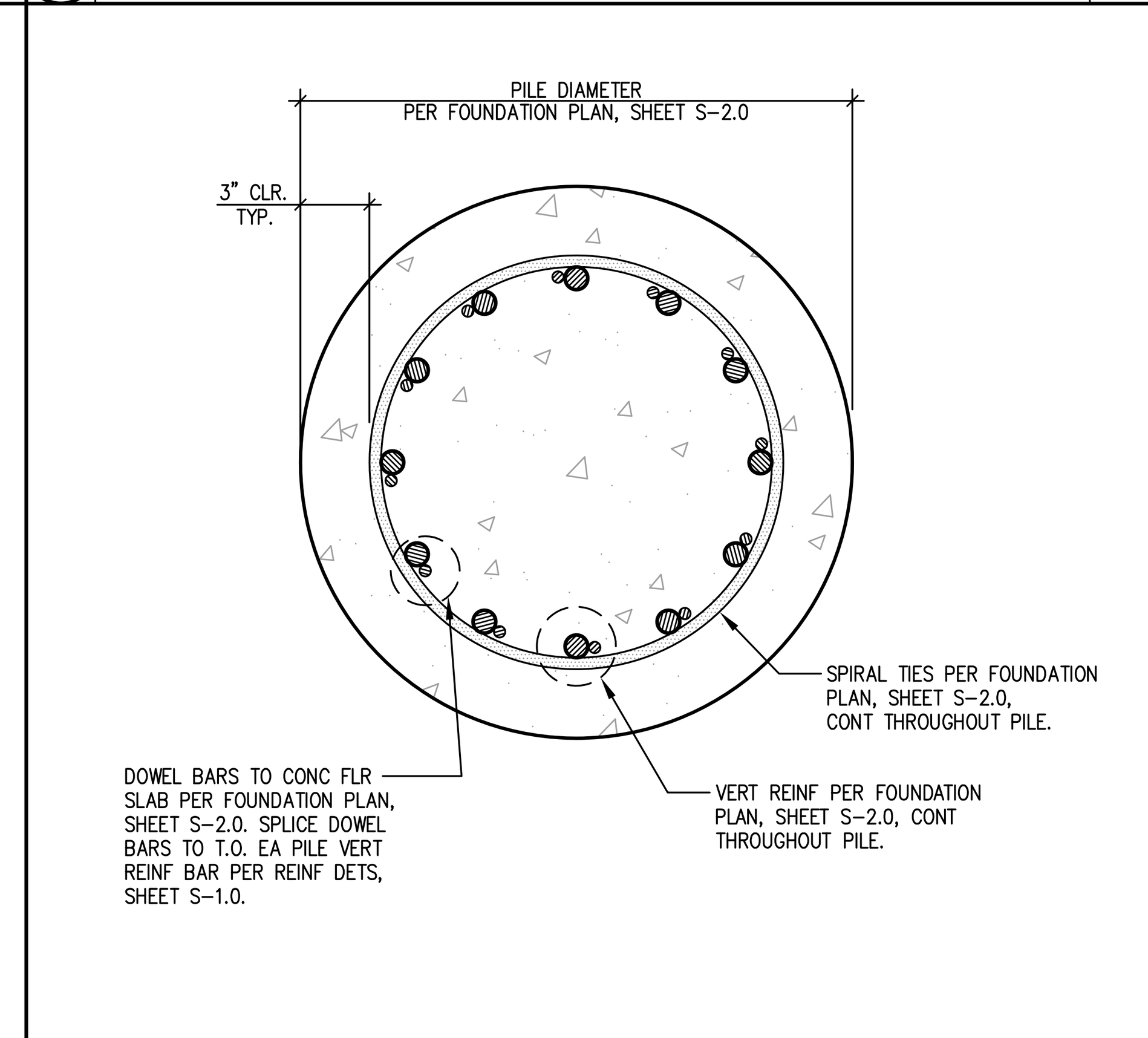
DEPTH D*	WATER SIDE	SOIL SIDE
0'to3'0"	#4 @ 12" O.C.	#4 @ 12" O.C.
3'-6"		
4'-0"		
4'-6"		
5'-0"		
5'-6"		#4 @ 6" O.C.
6'-0"		
6'-6"		
7'-0"		

* BEGIN SPECIFIED STEEL AT INDICATED DEPTH 'D'.

8 TYP. FREESTANDING POOL/SPA WALL — SCALE: N.T.S.

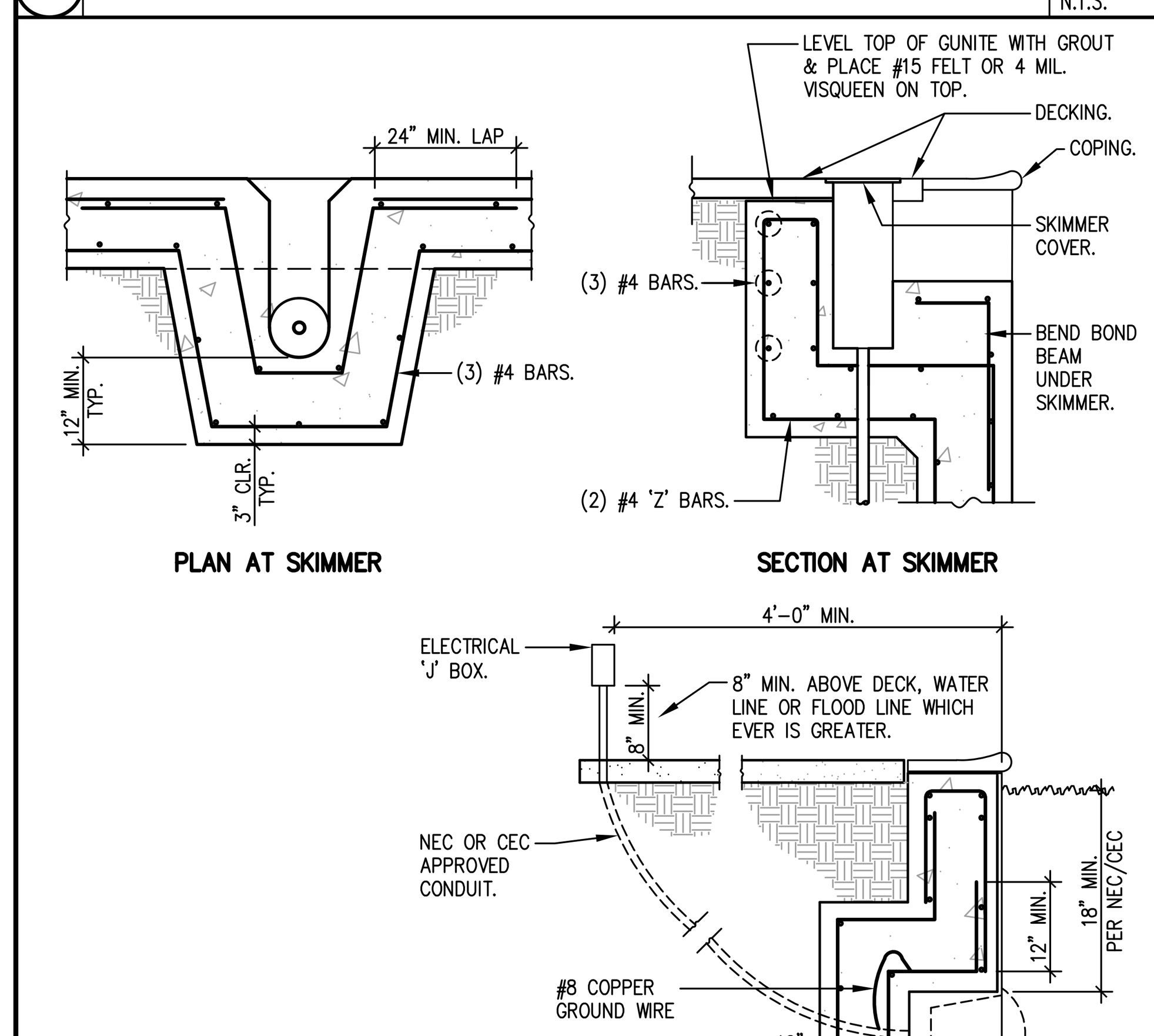


5 TYP. DROP PANEL IN SLOPED CONC FLR SLAB — SCALE: N.T.S.



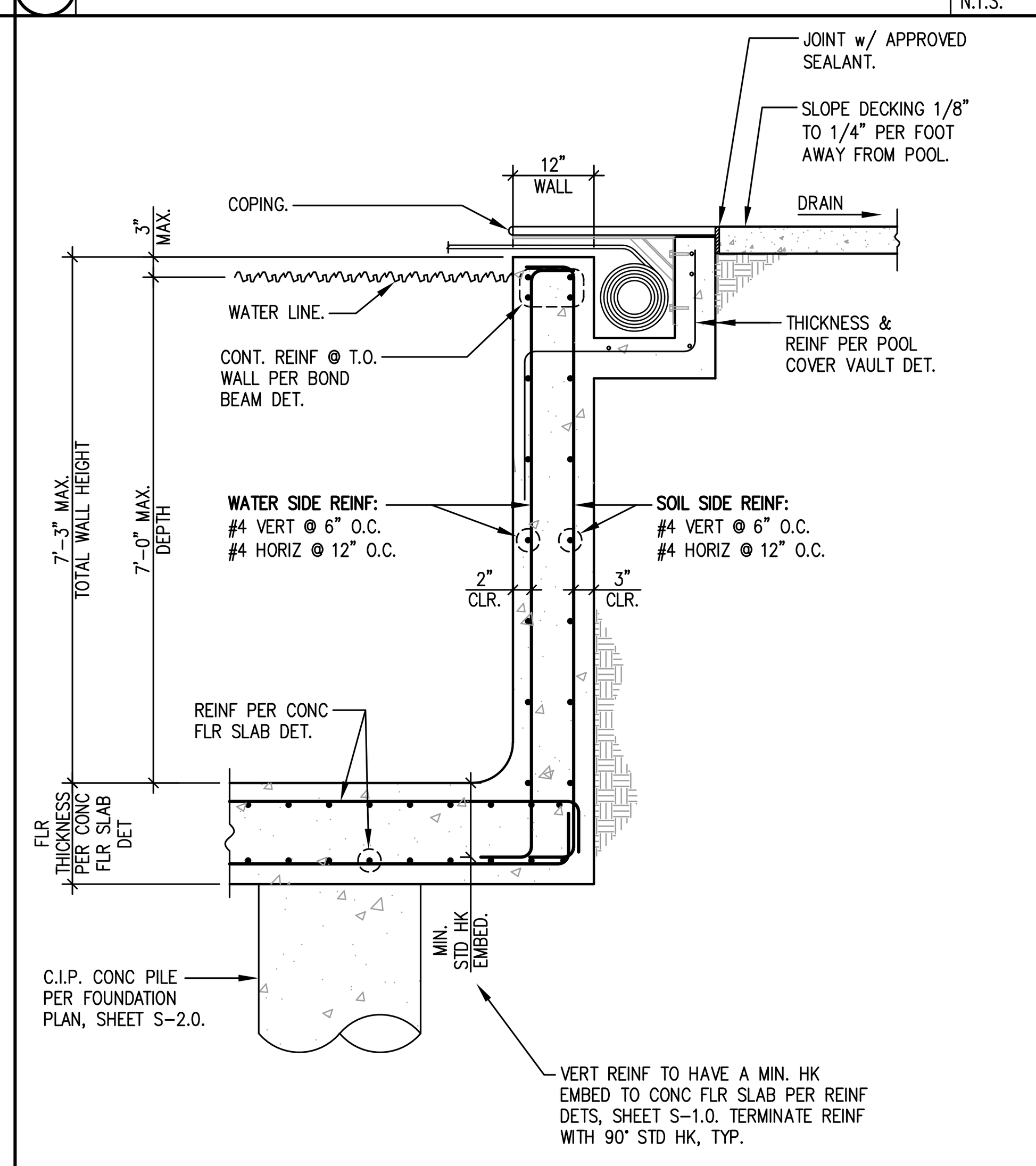
NOTES:
1. ALL VERTICAL BARS SHOULD BE SPACED EQUALLY THROUGHOUT PILE. REFER TO FOUNDATION PLAN TABLE 1, SHEET S-2.0, FOR NUMBER OF BARS.
2. PILE CONCRETE MUST BE CAST IN-PLACE, NO SHOTCRETE OR GUNITE MAY BE USED THROUGHOUT PILE.
3. ANCHORAGE OF SPIRAL REINFORCEMENT SHALL BE PROVIDED BY A MINIMUM OF (1½) ONE AND ONE-HALF EXTRA TURNS OF SPIRAL BAR AT EACH END OF PILE.

2 TYP. PILE SECTION — SCALE: N.T.S.

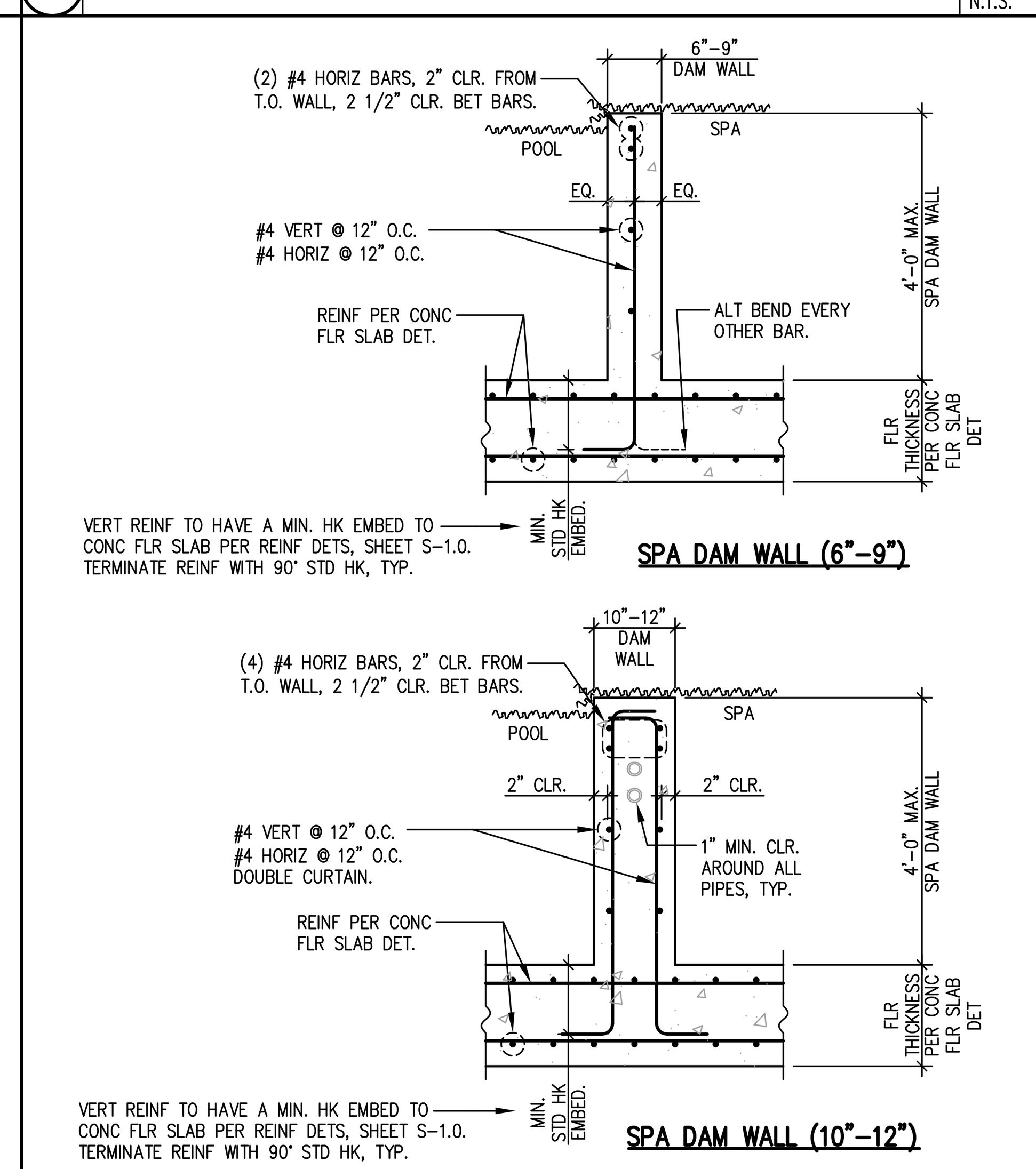


NOTES:
1. INSTALL NO. 8 COPPER GROUND WIRE FROM LIGHT NICHE TO BRASS CONDUIT TO POOL REBAR, OR NON-METALLIC CONDUIT CAN BE USED WITH INSULATED NO. 8 COPPER WIRE INTERIOR W/ APPROVED POTTING COMPOUND PER THE NEC/CEC.
2. SWIMMING POOL LIGHTING FIXTURES SHALL COMPLY WITH APPLICABLE UNDERWRITERS' LABORATORIES REQUIREMENTS FOR LIGHTING FIXTURES U.L. STANDARD 676.

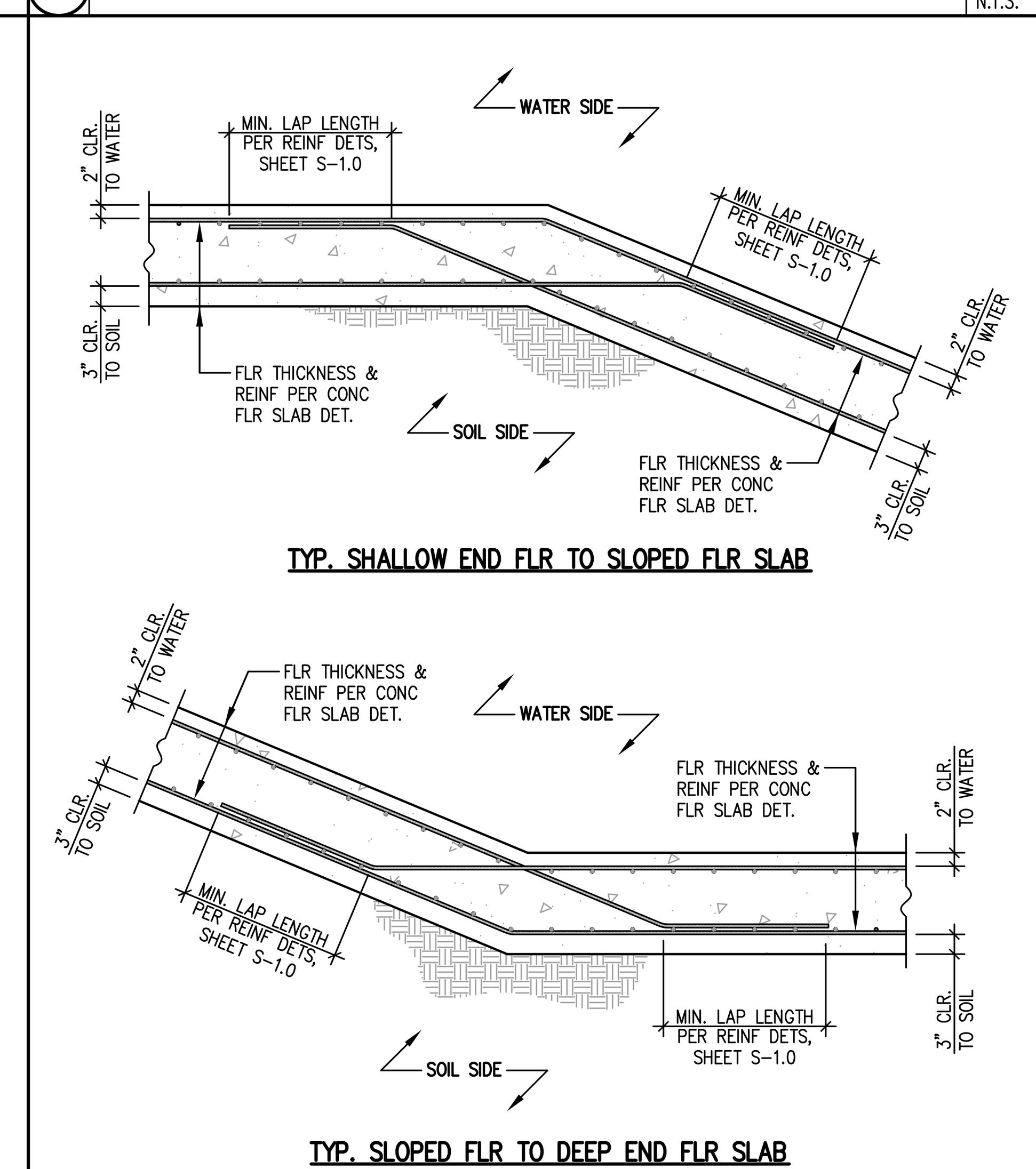
15 TYP. LIGHT SECTION & SKIMMER DETS



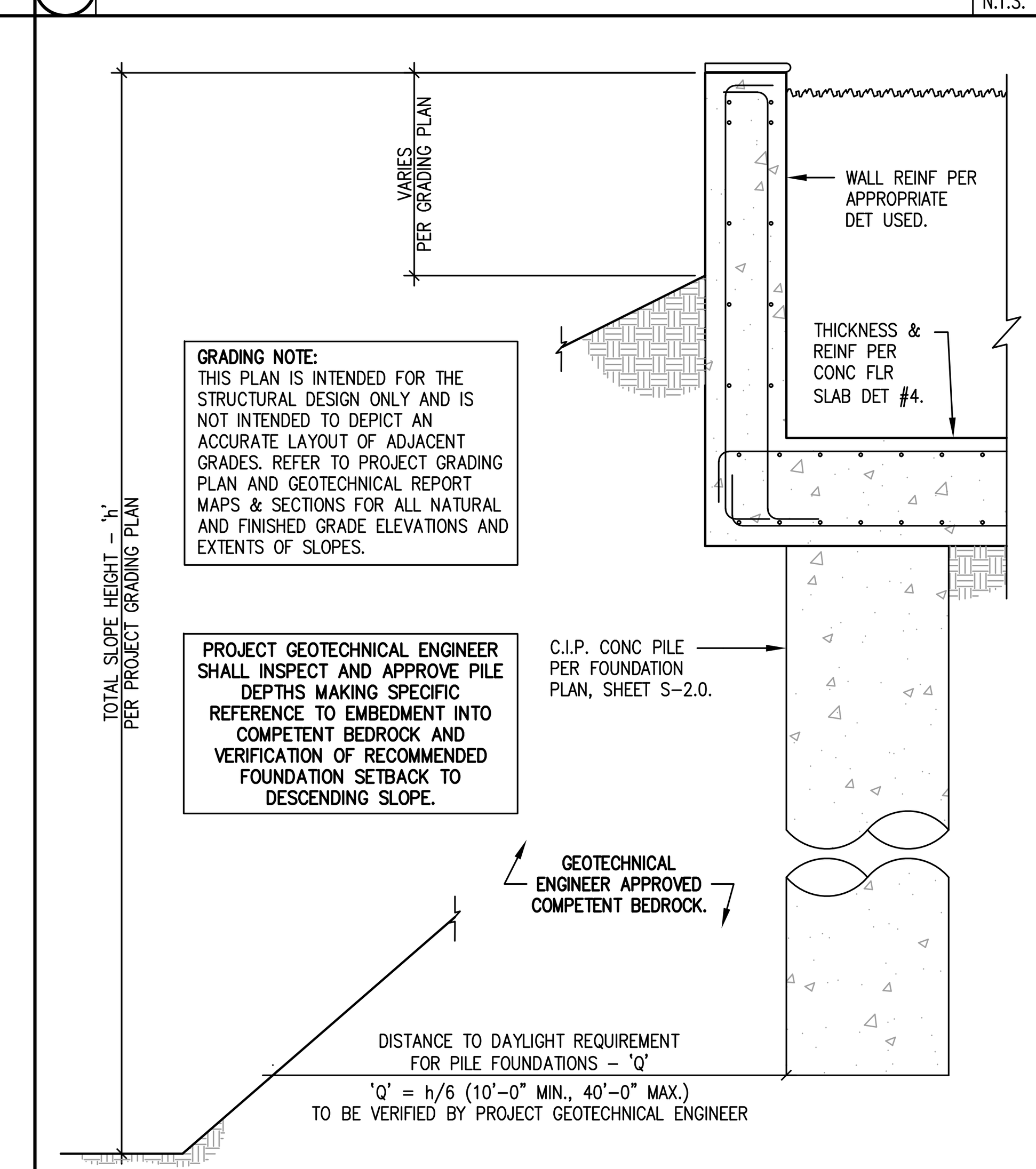
12 TYP. POOL WALL @ COVER VAULT — SCALE: N.T.S.



9 TYP. SPA DAM WALL



6 TYP. CONC FLR SLAB TRANSITION DETS — SCALE: N.T.S.



3 TYP. PILE SETBACK REQUIREMENT @ DOWNSLOPE — SCALE: N.T.S.

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1201 N. Tustin Ave.
Anaheim, CA 92807
Phone: (714) 630-6100
Fax.: (714) 630-6114
www.pooleng.com

REVISIONS:

#	REASON OR ISSUE	DATE
1	REVISED LAYOUT	04/08/24

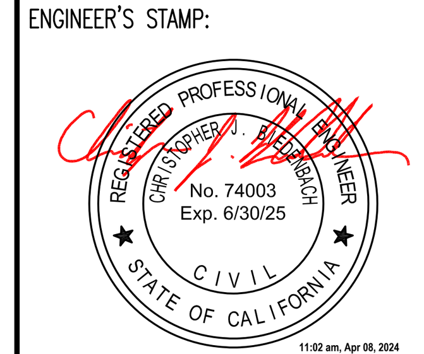
PROJECT:
BENNETT
2558 CORRALITAS DR.
LOS ANGELES, CA 90039

CONTRACTOR:

PROJECT TYPE:
PILE SUPPORTED SWIMMING POOL & SPA

SHEET CONTENTS:
TYPICAL DETAILS

ENGINEER'S STAMP:



PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.

JOB #:	23-0111
SCALE:	PER DETAIL
DATE:	05/30/23
CALCS BY:	C.J.B.
DRAWN BY:	C.J.B.
CHECKED BY:	C.C.V.
SHEET #:	S-3.0