



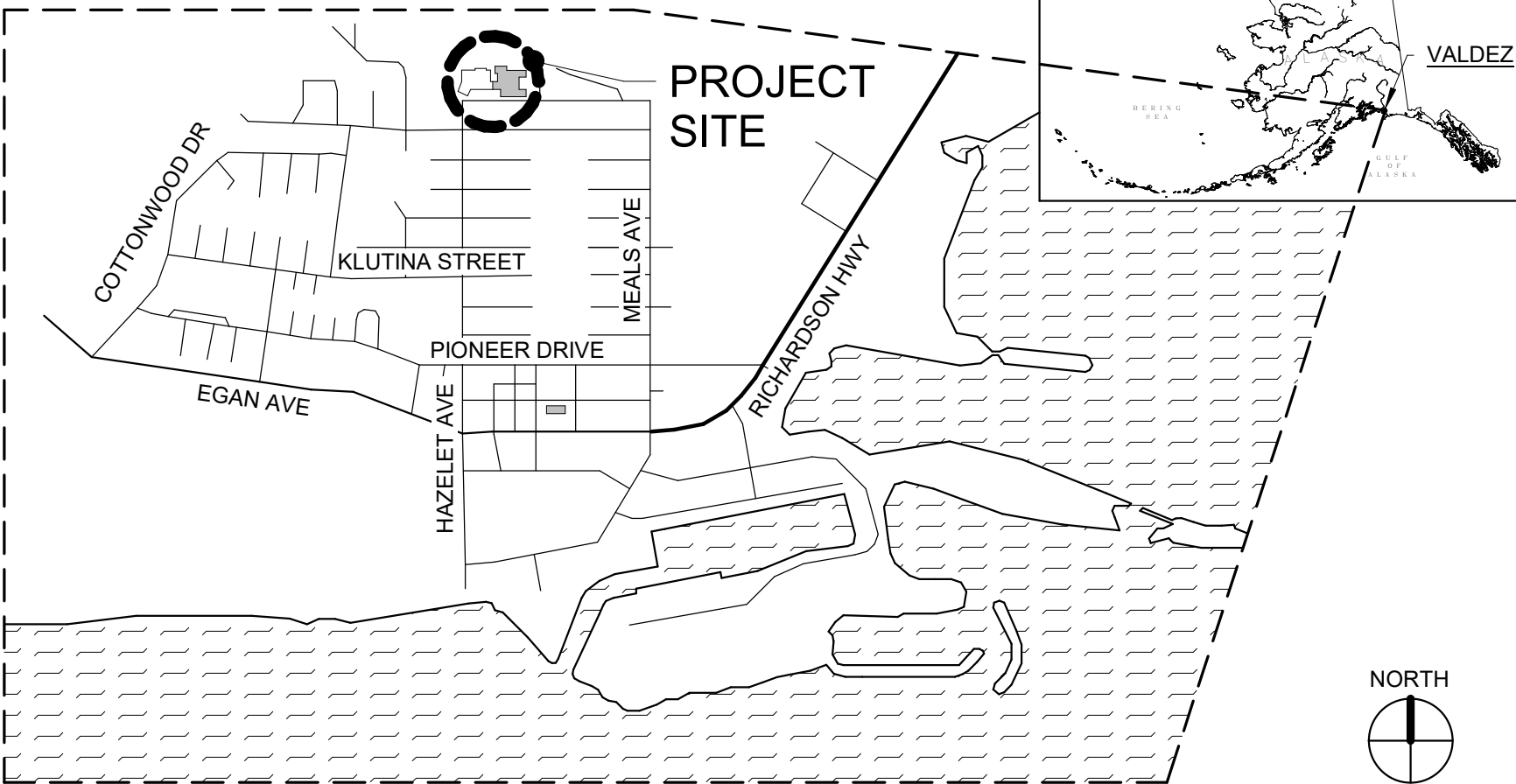
# VALDEZ HIGH SCHOOL POOL COLUMN REPAIR

Valdez, Alaska

BID DOCUMENTS  
SEPTEMBER 12, 2022

REVISIONS		
No	Description	Date

## VICINITY MAP



## OWNER

CITY OF VALDEZ  
212 Chenega Avenue  
P.O. Box 307  
Valdez, Alaska 99686  
(907) 907-835-5478  
CONTACT:  
Scott Benda, Project Manager  
SBenda@ValdezAK.Gov

## ARCHITECT

BDS Architects  
3330 C Street  
Suite 200  
Anchorage, Alaska 99503  
(907) 562-6076  
CONTACT:  
Bryce Hamels, Project Architect  
BryceH@bdsak.com

## PROJECT DESCRIPTION

REPAIR OF CORRODED STRUCTURAL COLUMN AT POOL AREA AND REPLACEMENT OF EXISTING DECK DRAIN SYSTEM TO MITIGATE FUTURE COLUMN CORROSION.

## GENERAL NOTES

1. THESE DRAWINGS WERE PREPARED FROM AS-BUILT DOCUMENTS PROVIDED BY THE CITY OF VALDEZ. ACTUAL FIELD CONDITIONS MAY DEVIATE FROM THESE DRAWINGS. CONTRACTOR TO NOTIFY THE ARCHITECT IN WRITING SHOULD EXISTING CONDITIONS DIFFER FROM THE DRAWINGS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION IMPACTED BY THE WORK.
3. CONTRACTOR TO PROTECT ALL EXISTING EQUIPMENT, FINISHES, AND OWNER PROPERTY AFFECTED BY THE WORK OR WORKER TRAFFIC.
4. CONTRACTOR TO PROVIDE EXTERIOR TOILET FACILITIES FOR WORKERS.
5. SEE BID PACKAGE FOR REQUIRED UNIT PRICING.

## CODE INFORMATION

GOVERNING CODES ARE THE 2012 INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL FIRE CODE (IFC), UPC 2018, AND NEC 2017, & NFPA 13 AS ADOPTED BY THE STATE OF ALASKA.

OCCUPANCY: E, NO CHANGE IN OCCUPANCY.  
TYPE OF CONSTRUCTION: IIA  
EGRESS COMPONENTS: NO CHANGE IN EGRESS COMPONENTS  
SPRINKLERED: YES

## DRAWING INDEX

G0.01	COVER SHEET
S1.01	STRUCTURAL PLANS AND GENERAL NOTES
S1.02	STRUCTURAL DETAILS
S1.03	STRUCTURAL DETAILS
M0.01	MECHANICAL LEGEND, SCHEDULES, AND ABBREVIATIONS
M1.01	MECHANICAL PLANS AND DETAILS



BDS, Inc. Entity #25796D

**BDS**  
ARCHITECTS  
Architecture | Planning | Roof Technology

3330 C St, Suite 200, Anchorage, AK 99503  
T: 907.562.6076 | F: 907.562.6635  
W: [www.bdsak.com](http://www.bdsak.com)

COV VHS POOL  
COLUMN REPAIR

319 ROBE RIVER DR.  
BDS Project No.: 422001.000  
Client Project No.:

BID DOCUMENTS  
09/12/2022

COVER  
SHEET  
**G0.01**

GENERAL NOTES:

THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, REFERENCE STANDARDS, SITE CONDITIONS OR GOVERNING CODE, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES AND OBTAIN DIRECTION PRIOR TO PROCEEDING. NOTES ON INDIVIDUAL STRUCTURAL DRAWINGS SHALL TAKE PRIORITY OVER GENERAL STRUCTURAL NOTES. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED AS TYP ON THE PLANS BUT SHALL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS.

ALL CONSTRUCTION SHALL COMPLY WITH THE 2012 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY STATE OF ALASKA .

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL FEDERAL, STATE AND LOCAL SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE.

EXISTING CONDITIONS

CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING WORK. DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED ON EITHER SITE OBSERVATIONS, ORIGINAL DRAWINGS, OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF EXISTING CONDITIONS DO NOT CLOSELY MATCH CONDITIONS SHOWN ON DRAWINGS, OR IF EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY ENGINEER PRIOR TO COMMENCING WORK.

STRUCTURAL STEEL

MATERIALS:  
STRUCTURAL STEEL TUBES (HSS): ASTM A500, GRADE C  
ALL OTHER SHAPES & PLATE: ASTM A36

ALL DETAILING, FABRICATION AND ERECTIONS SHALL CONFORM TO AISC SPECIFICATIONS AND CODES, LATEST EDITION. FABRICATOR MUST PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM, BE CERTIFIED BY THE MUNICIPALITY OF ANCHORAGE, OR SPECIAL INSPECTIONS AT THE CONTRACTOR'S EXPENSE, MUST BE PROVIDED IN THE FABRICATION SHOP.

ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS AND SHALL CONFORM TO THE AWS D1.1 AND D1.8, LATEST EDITIONS. ALL WELDING ELECTRODES SHALL BE PROPERLY CONDITIONED 70 KSI MINIMUM TENSILE STRENGTH, WITH DIFFUSED HYDROGEN LEVELS OF 16ml/g (H16) OR LESS IN ACCORDANCE WITH AWS A4.3.

WELDS NOT SPECIFIED SHALL BE SHOP-PERFORMED CONTINUOUS OR ALL-AROUND 3/16" FILLET WELDS.

WELD FILLER METAL FOR COMPLETE-JOINT-PENETRATION GROOVE WELDS AND WELDS PART OF THE LATERAL FORCE RESISTING SYSTEM SHALL MEET THE FOLLOWING ADDITIONAL REQUIREMENTS:  
MINIMUM YIELD STRENGTH: 58 KSI  
CVN TOUGHNESS: 20 FT LBS AT 0°F  
ELONGATION: 22% MINIMUM

WELD FILLER METAL FOR DEMAND CRITIAL WELDS SHALL MEET THE ADDITIONAL REQUIREMENT:  
CVN TOUGHNESS: 40 FT LBS AT 70°F

POST-INSTALLED ANCHORS

INSTALLATION SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS OF ICC-ES REPORT. ALL POST-INSTALLED ANCHORS SHALL HAVE A CURRENT ICC-ES REPORT AND BE AUTHORIZED FOR USE IN SEISMIC DESIGN CATEGORY D. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHORS. UON. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED SHALL BE PERFORMED BY ACI/CRSI CERTIFIED PERSONNEL ONLY AND REQUIRES CONTINUOUS SPECIAL INSPECTION.

EXISTING BASE SHALL BE SCANNED PRIOR TO DRILLING HOLES. EXISTING REBAR LOCATIONS SHALL BE MARKED, AND NEW ANCHOR LOCATIONS REVISED TO AVOID EXISTING REINFORCING. NO REINFORCING BARS SHALL BE CUT TO INSTALL ANCHORS. ALL DEFECTIVE ANCHOR HOLES SHALL BE GROUTED AND A NEW HOLE DRILLED A MINIMUM OF 3 BOLT DIAMETERS AWAY.

ADHESIVE ANCHORS FOR THREADED ROD AND REBAR SHALL BE ONE OF THE FOLLOWING (OR AN APPROVED EQUIVALENT):  
CONCRETE:  
-DEWALT "PURE110+" (ESR-3298)  
-HILTI "HIT-HY 200 SAFE SET" (ESR-3187)  
-EPCON "A7+" (ESR-3903)  
-SIMPSON "SET-XP" (ESR-2508)

STRUCTURAL CONCRETE

ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301, STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE, AS MODIFIED BY IBC SECTION 1905 AND LOCAL ADOPTED AMENDMENTS.

ALL CAST-IN-PLACE CONCRETE:  
1. EXPOSURE F0, S3, W1, C2 (ACI 318-14, 19.3.1.1)  
2. MINIMUM 28-DAY COMPRESSIVE STRENGTH = 5,000 PSI  
3. MAXIMUM AGGREGATE SIZE = 3/4"  
4. MAXIMUM WATER-CEMENT RATIO = 0.40  
5. MAXIMUM CHLORIDE ION CONTENT = .15%  
6. TARGET AIR CONTENT = 3% (+/-1%)

CONCRETE SHALL BE PROPORTIONED TO ACHIEVE A WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER.

APPLICABLE ASTM STANDARDS:  
PORTLAND CEMENT = ASTM C150  
AGGREGATE = ASTM C33, NORMAL WEIGHT  
WATER = ASTM C94, SECTION 5.4 OR ASTM C1602  
WATER REDUCING ADMXTURE = ASTM C494, TYPE A

THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT FOR CAST-IN-PLACE CONCRETE:

- A. CONCRETE CAST AGAINST EARTH 3-INCHES
- B. CONCRETE EXPOSED TO EARTH OR WEATHER  
-#6 AND LARGER 2-INCHES  
-#5 AND SMALLER 1½-INCHES
- C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER 3/4-INCH

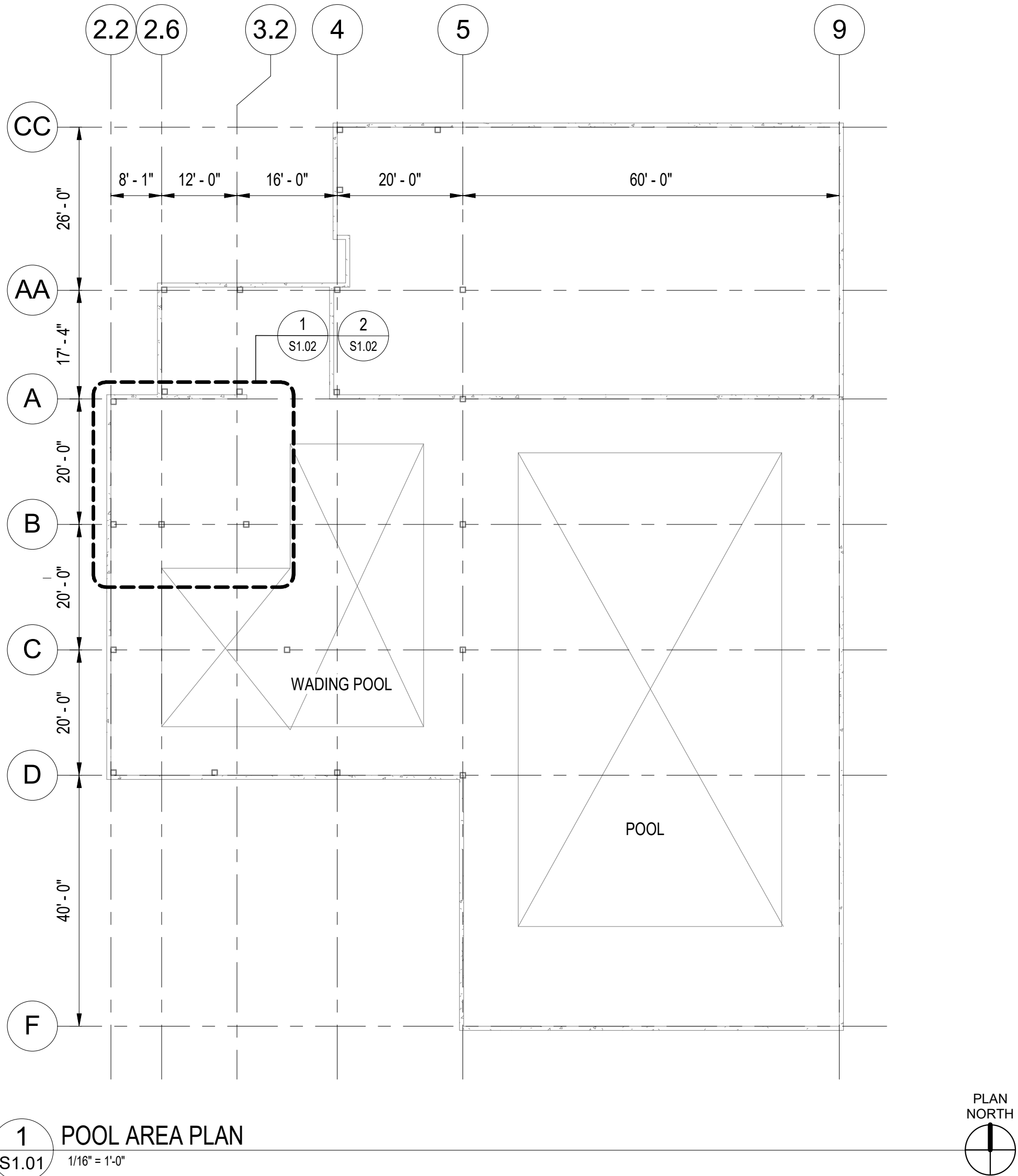
ALL CONCRETE REINFORCING SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 315, ACI 318, CRSI MSP-1 AND ACI SP-66. DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN REINFORCING.

TYPICAL REINFORCING BARS SHALL BE ASTM A615, GRADE 60. LAP SPLICES SHALL BE CLASS B LAPS PER ACI (63 X BAR DIAMETER). LAP SPLICES MAY ALSO ACCOMPLISHED USING MECHANICAL DEVICES THAT DEVELOP 125% OF THE STRENGTH OF THE REBAR.

CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SUBMIT MIX DESIGNS FOR REVIEW PRIOR TO USE.

EMBEDDED ITEMS (CONDUIT AND SLEEVES) SHALL NOT BE EMBEDDED IN OR PASS THROUGH CONCRETE WITHOUT APPROVAL. **ALUMINUM ITEMS SHALL NOT BE EMBEDDED IN CONCRETE.** SUBMIT CONDUIT LAYOUT AND EMBEDDED ITEM PLANS FOR REVIEW PRIOR TO PLACING CONCRETE.

NON-SHRINK GROUT SHALL BE NON-METALLIC, CONFORMING TO ASTM C1107.



REVISIONS

No Description Date



Reid Middleton

4300 B St., Suite 302 Anchorage, AK 99503  
Phone: 907.562.3439 - www.reidmiddleton.com  
Corporate License #AEC0398  
© Copyright Reid Middleton, Inc. 2022

BDS, Inc. Entity #25796D

**BDS**  
ARCHITECTS  
Architecture | Planning | Roof Technology  
3330 C St, Suite 200, Anchorage, Ak 99503  
T: 907.562.6076 | F: 907.562.6635  
W: www.bdsak.com

COV VHS POOL  
COLUMN REPAIR

319 ROBE RIVER DR.

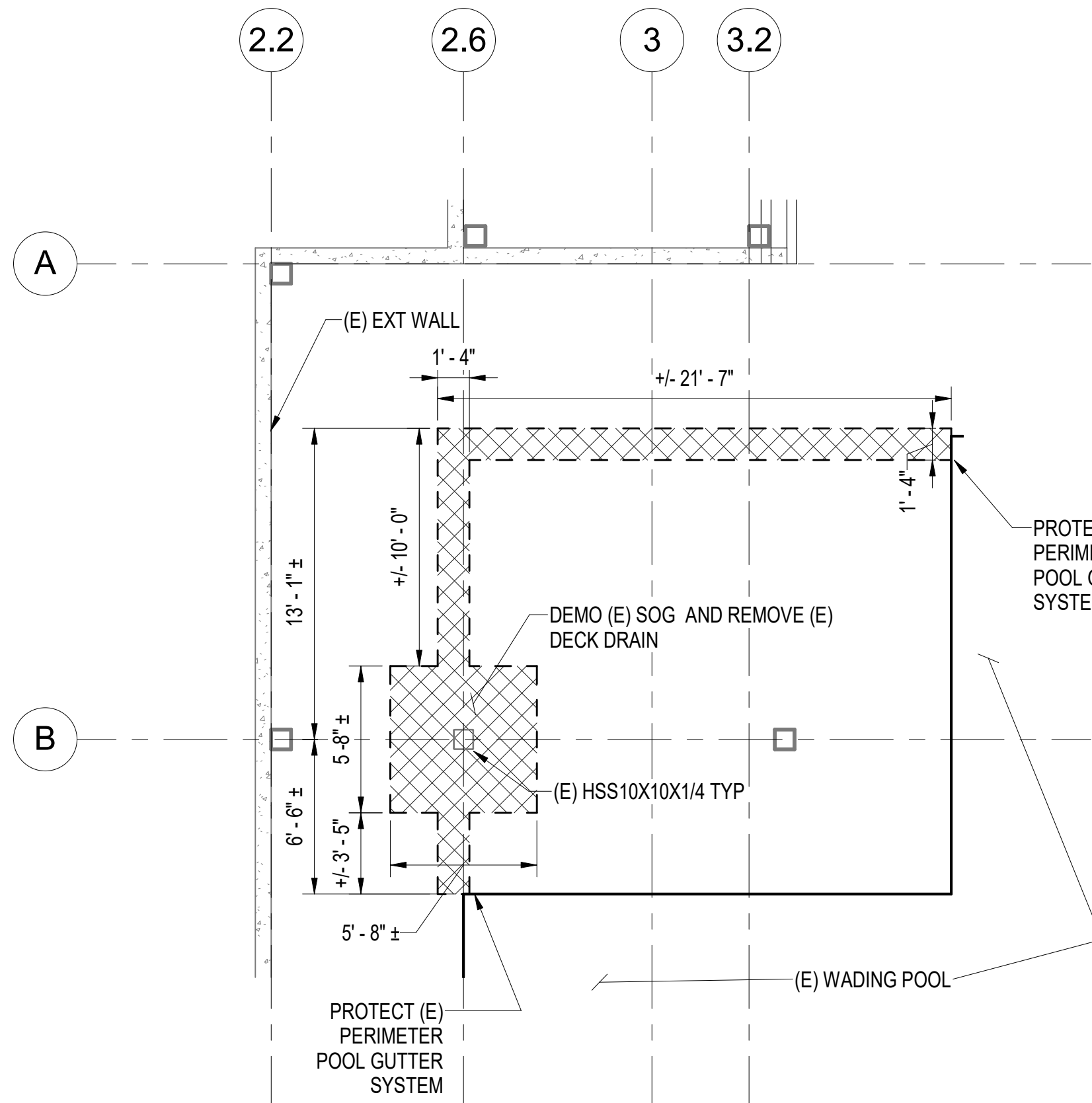
BDS Project No.: 402022.046  
Client Project No.:

BID DOCUMENTS  
22-09-13

STRUCTRAL  
PLANS AND GEN  
NOTES  
S1.01

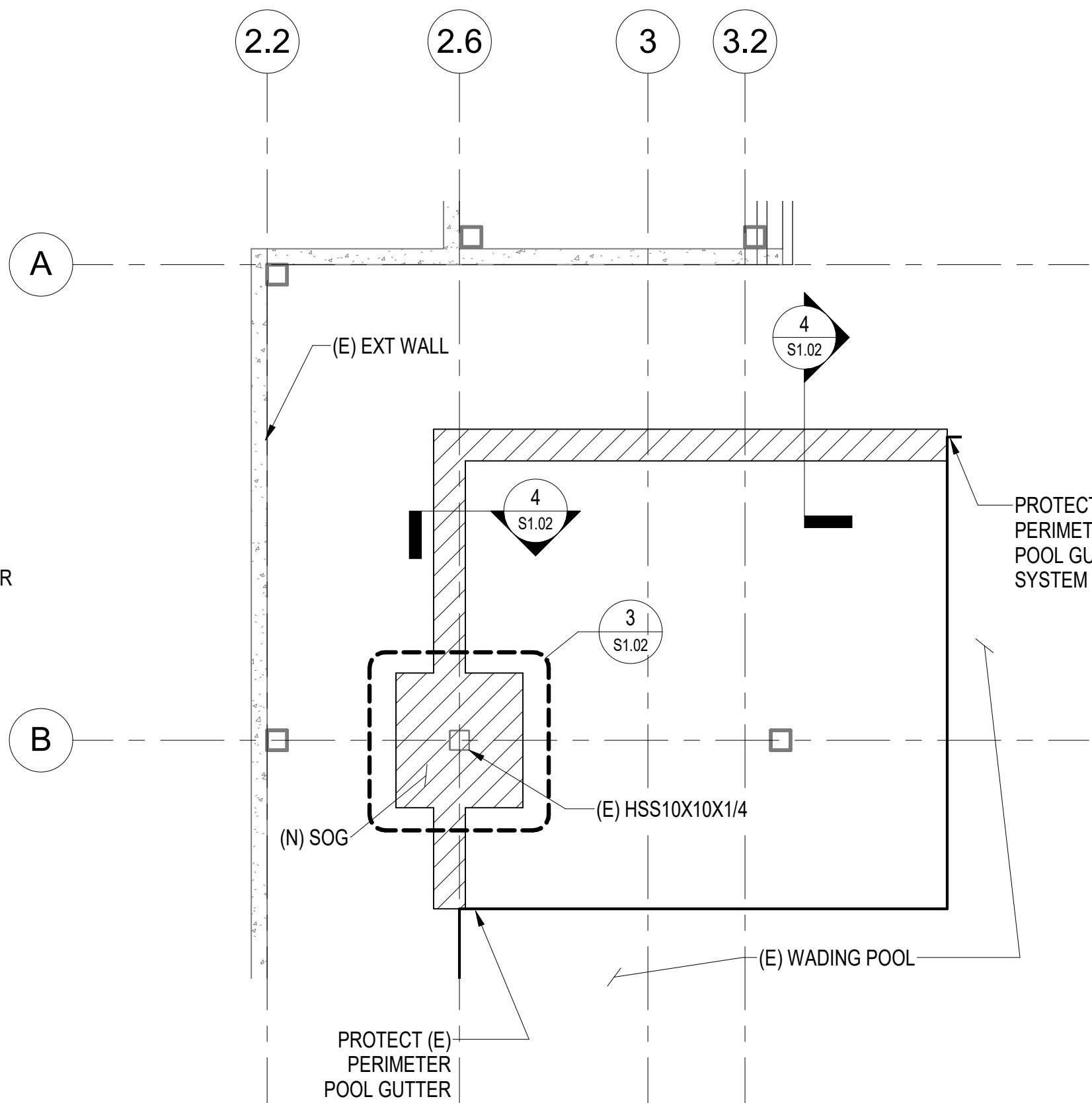
@	At	BLKG	Blocking	EA	Each	INT	Interior	OH	Overhead	SIM	Similar	TYP	Typical
AB	Anchor Bolts	BM	Beam	EQ	Equal. Earthquake	LAG	Lag Screw	OPNG	Opening	SQ	Square	UON	Unless Otherwise Noted
BLDG	Building	BOT	Bottom	EW	Each Way	LOC	Location	PL	Plate	STL	Steel	VERT	Vertical
ARCH	Architect	BTWN	Between	EXP	Expansion	LONG	Longitudinal	PLS	Places	T&B	Top and Bottom	W/	With
AR	Anchor Rod	CL	Center-Line	FDN	Foundation	MAX	Maximum	PSF	Pounds-per-square-foot	T&G	Tongue and Groove	W/O	Without
ALT	Alternate	CLR	Clear	FF	Finished Floor	MEZZ	Mezzanine	PSI	Pounds-per-square-inch	T.O.	Top of	W	Wide-Flange, Wide
AHJ	Authority Having Jurisdiction	COL	Column	GALV	Galvanized	MIN	Minimum	REQ'D	Required	T.O.B.	Top of Beam	W/C	Water / Cement Ratio
AFF	Above Finish Floor	CONC	Concrete	GLB	Glue-Laminated Beam	MFR	Manufacturer	RO	Rough Opening	T.O.S.	Top of Steel	W.P.	Work Point
ADH	Adhesive	CONT	Continuous, Continue	HORZ	Horizontal	(N)	New	SBN	Shearwall Boundary Nailing	T.O.W.	Top of Wall	WWR	Welded Wire Reinforcement
ADD'L	Additional	DBN	Diaphragm Boundary Nailing	HSS	Hollow Structural Steel	OC	On-Center	SCH	Schedule	TRANS	Transverse		
		(E)	Existing	IBC	International Building Code								



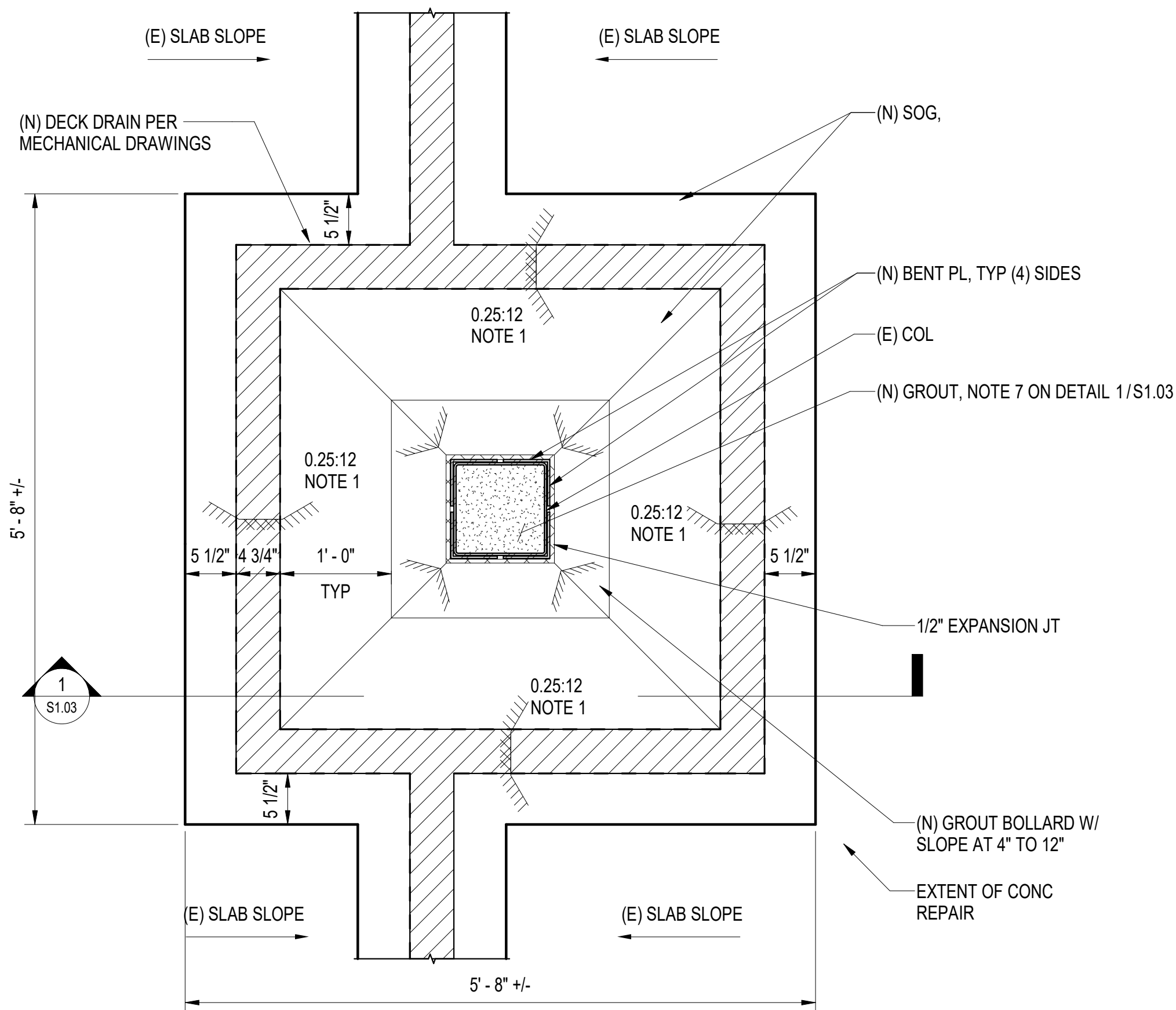


NOTES:  
1. ALL DEMO DEMO DIMENSIONS ARE APPROXIMATE, CONTRACTOR TO COORDINATE

1 POOL AREA ENLARGED DEMO PLAN  
S1.02 3/16" = 1'-0"

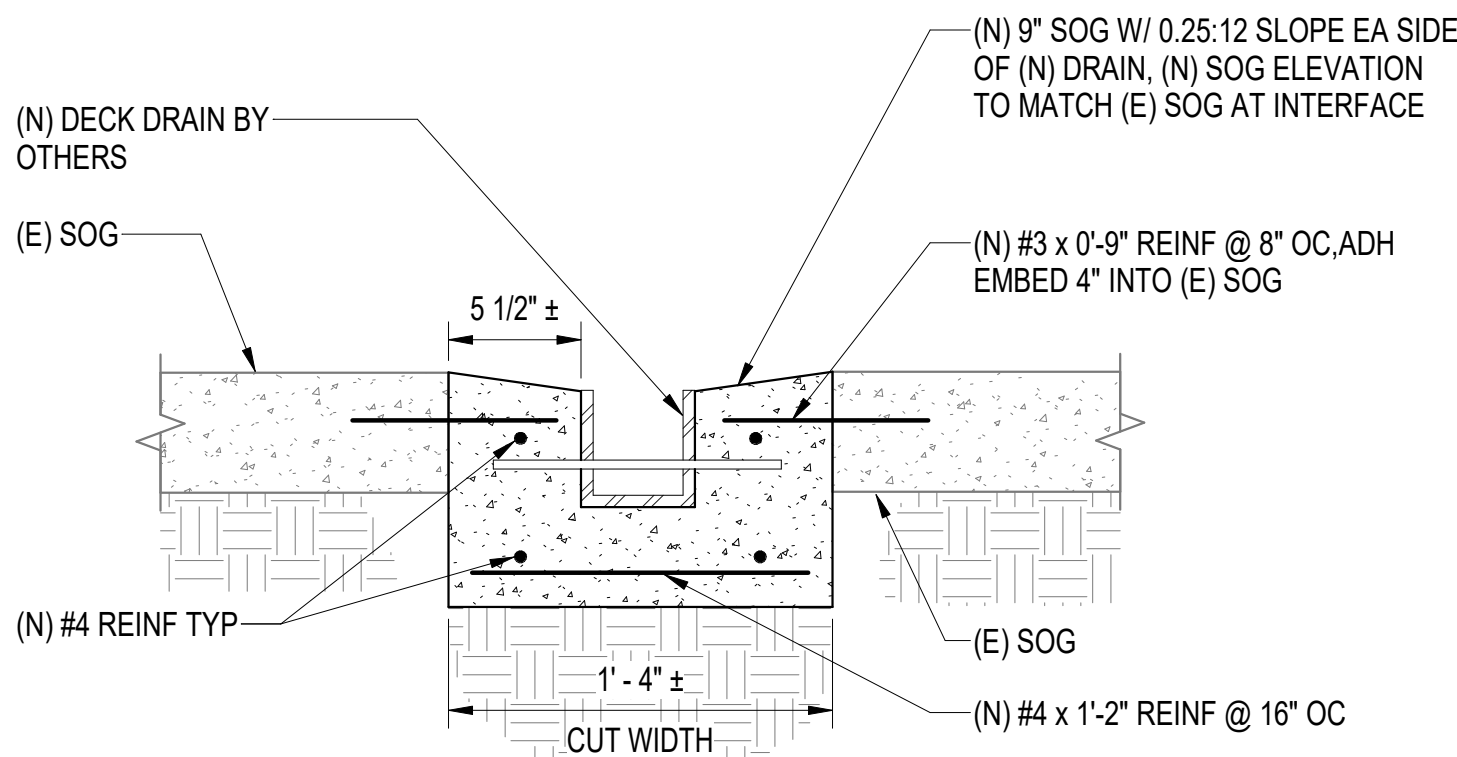


2 POOL AREA ENLARGED REPAIR PLAN  
S1.02 3/16" = 1'-0"



NOTES:  
1. SLOPE TO DRAIN AT 1/4" TO 12" MIN

3 B/2.6 COLUMN REPAIR  
S1.02 1" = 1'-0"



NOTES:  
1. PROVIDE 10 MIL VAPOR BARRIER OVER FULL CUT AREA

4 TYP SOG TRENCH REPAIR  
S1.02 1 1/2" = 1'-0"

REVISIONS		
No	Description	Date



**Reid Middleton**  
4300 B St., Suite 302 Anchorage, AK 99503  
Phone: 907.562.3439 - www.reidmiddleton.com  
Corporate License #AECC398  
© Copyright Reid Middleton, Inc. 2022

BDS, Inc. Entity #25796D  
**BDS**  
ARCHITECTS  
Architecture | Planning | Roof Technology  
3330 C St. Suite 200, Anchorage, Ak 99503  
T: 907.562.6076 | F: 907.562.6635  
W: www.bdsak.com

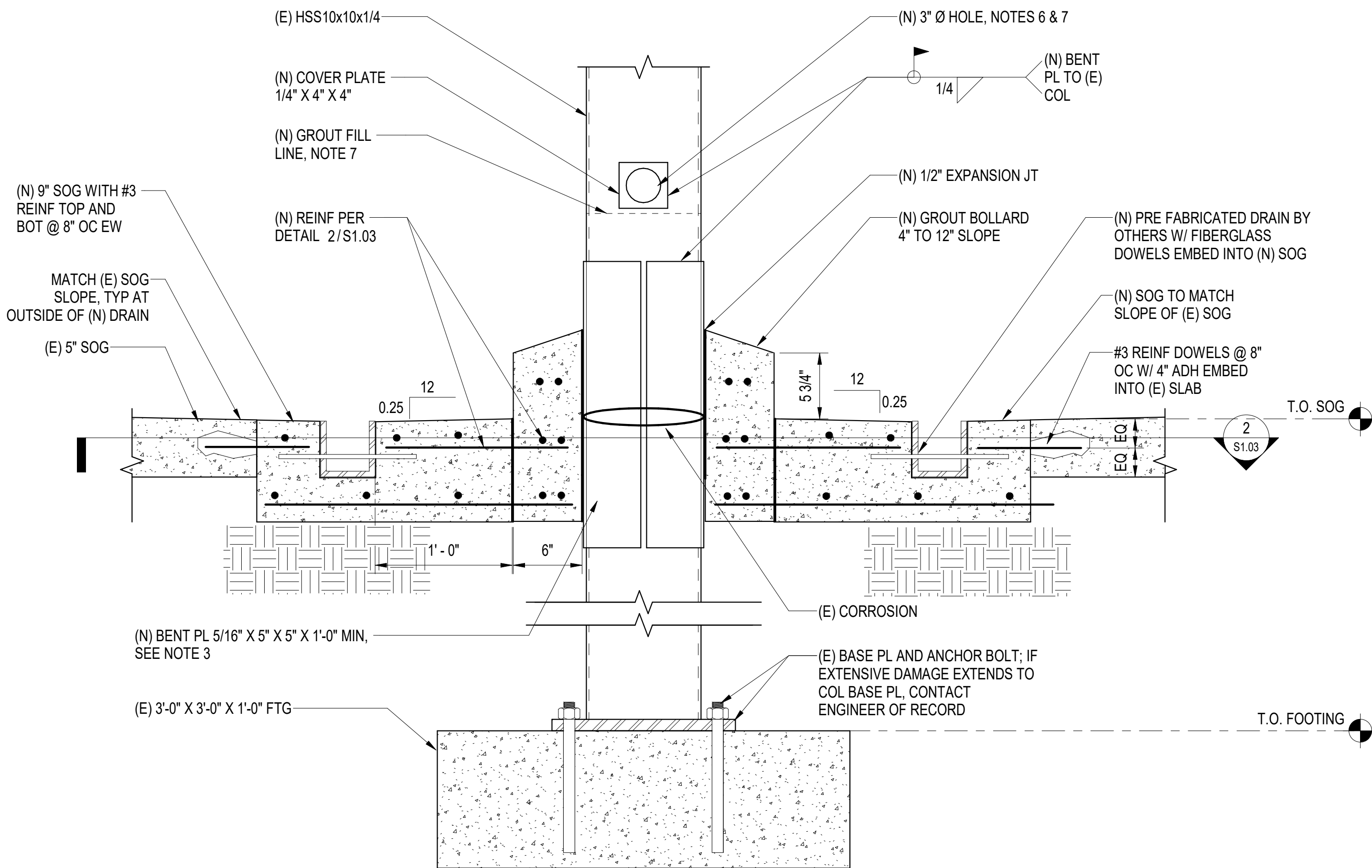
COV VHS POOL  
COLUMN REPAIR

319 ROBE RIVER DR.

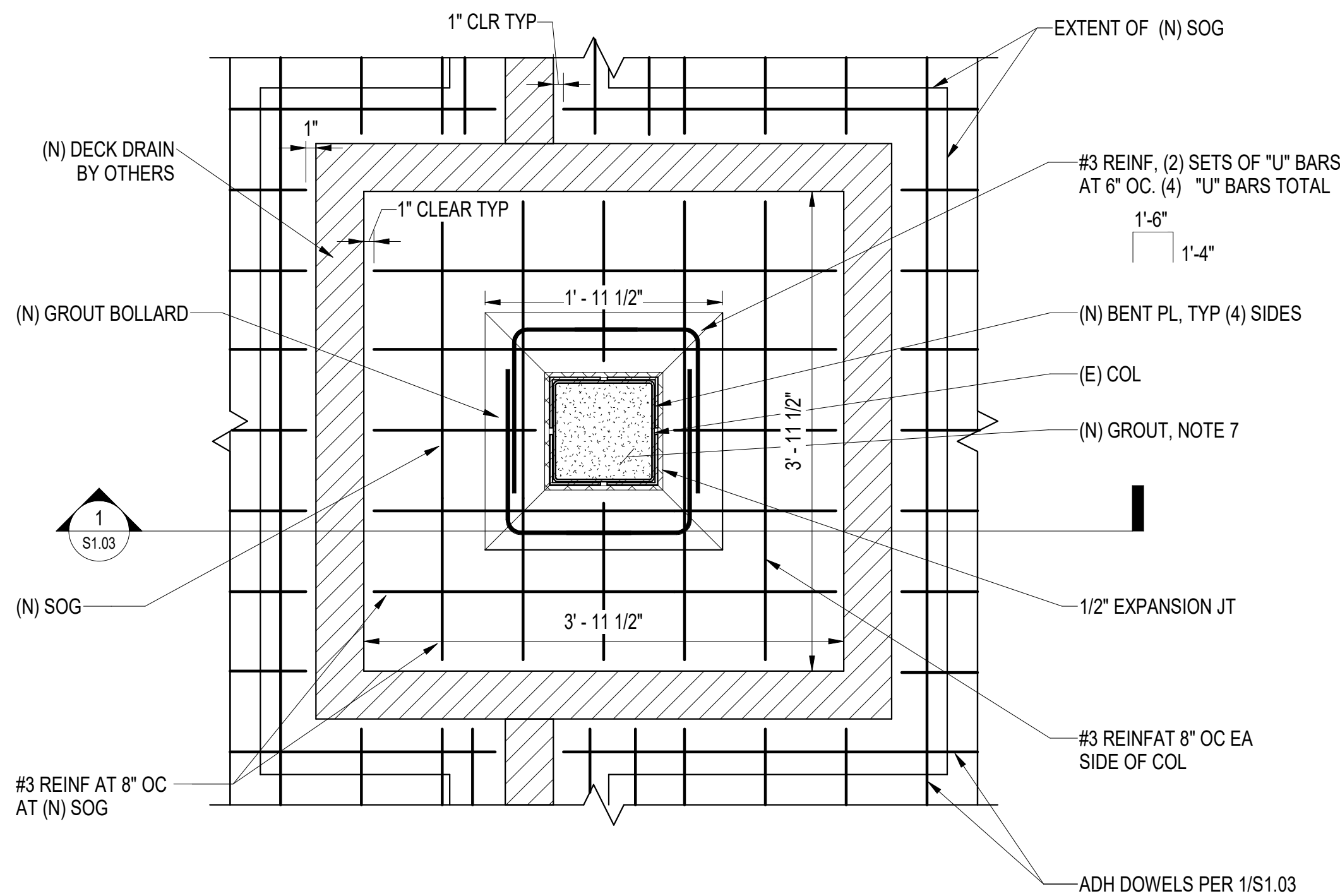
BDS Project No.: 402022.046  
Client Project No.:

BID DOCUMENTS  
22-09-13

STRUCTURAL  
DETAILS  
**S1.02**



- NOTES:**
1. SAW CUT WORK AREA 32" +/- EA SIDE OF (E) COL. SEE MECHANICAL FOR ADDITIONAL CONCRETE SLAB DEMOLITION
  2. REMOVE CONC; REMOVE ALL RUST FROM COL, POWER TOOL CLEAN, PAINT WITH (2) COATS RUST INHIBITING PRIMER/PAINT
  3. DETERMINE (N) 5 1/4" X 5 1/4" X 5/16" BENT PLATE LENGTH. BENT PLATE SHOULD EXTEND MIN 6" ABV + BELOW FLOOR LEVEL AND EXTENT OF CORROSION
  4. REINF COLUMN CORNERS w/ 1/4" BENT PLATE
  5. ADD STRUCTURAL FILL AND COMPACT TO 95% DRY DENSITY
  6. DRILL 3" DIA HOLE IN ONE SIDE OF (E) COL FACE 4" ABV EXTENT OF BENT PL
  7. FILL (E) COL w/ NON SHRINK FLOWABLE GROUT UP TO BOT OF HOLE
  8. PATCH OVER HOLE WITH STEEL PLATE
  9. PAINT COLUMN w/ RUST INHIBITING PRIMER AND EPOXY PAINT TO MATCH
  10. ADD COLUMN BLOCK OUT TO 6" ABV GROUND LEVEL
  11. INSTALL (N) SOG
  12. SEE MECHANICAL DRAWINGS FOR BELOW GRADE MECHANICAL WORK



**1** B/2.6 COLUMN REPAIR VERTICAL SECTION  
S1.03 1 1/2" = 1'-0"

**2** B/2.6 COLUMN REPAIR HORIZONTAL SECTION  
S1.03 1" = 1'-0"

REVISIONS		
No	Description	Date



**Reid Middleton**  
4300 B St., Suite 302 Anchorage, AK 99503  
Phone: 907.562.3439 - www.reidmiddleton.com  
Corporate License #AEC0398  
© Copyright Reid Middleton, Inc. 2022

BDS, Inc. Entity #25796D  
**BDS**  
ARCHITECTS  
Architecture | Planning | Roof Technology  
3330 C St, Suite 200, Anchorage, Ak 99503  
T: 907.562.6076 | F: 907.562.6635  
W: www.bdsak.com

**COV VHS POOL  
COLUMN REPAIR**

319 ROBE RIVER DR.

BDS Project No.: 402022.046  
Client Project No.:

BID DOCUMENTS  
22-09-13

**STRUCTURAL  
DETAILS  
S1.03**



SPECIAL INSPECTION & TESTING SCHEDULE				
ITEM	C.I.	P.I.	REFERENCE STANDARD	REMARKS
CONCRETE:			ACI 318-14, 301-16, 302.1R-15, ACI 311.1R-07; ACI 311.4R-05; IBC 1705.3, TABLE 1705.3	
REINFORCING MATERIALS AND PLACEMENT		X	ACI 318: Ch.20, 25.2, 25.3, 26.6.1-26.6.3	
		X	ACI 318 26.11.2(b)	
USE OF REQUIRED MIX DESIGN		X	ACI 318: Ch.19, 26.4.3, 26.4.4; ACI 304R-00; IBC 1904.1, 1904.2	
CONCRETE PLACEMENT	X		ACI 318 26.5; ACI 304.2R-17	
CONCRETE CURING		X	ACI 318 26.5; ACI 308R-16	MAINTAIN PROPER TEMPERATURE AND CURING TECHNIQUE
POST-INSTALLED ANCHORS; VERIFY CERTIFICATION PRIOR TO INSTALLING HORIZONTAL OR INCLINED ADHESIVE ANCHORS	X (SEE NOTE)	X	ACI 318 17.8, 26.7.1(i); ICC-ES REPORT	PER MANUFACTURER REQUIREMENTS, INCLUDES THE DRILLING & CLEANING OUT OF THE HOLES & THE INSTALLATION OF THE ANCHORS. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY SHALL BE PERFORMED BY ACI/CRSI CERTIFIED PERSONNEL ONLY AND REQUIRE CONTINUOUS INSPECTION.

SPECIAL INSPECTIONS AND TESTING

THE OWNER SHALL ENGAGE A SPECIAL INSPECTOR PER CHAPTER 17 OF THE IBC. SPECIAL INSPECTION AND TESTING OF THE DESIGNATED SEISMIC SYSTEMS AND OTHER BUILDING STRUCTURE COMPONENTS SHALL BE AS OUTLINED IN THE SPECIAL INSPECTIONS AND TESTING SCHEDULE. WHERE REQUIREMENTS OVERLAP, THE MORE STRINGENT IS TO BE USED.

DISTRIBUTION OF REPORTS

COPIES OF THE SPECIAL INSPECTION AND TEST REPORTS SHALL BE DISTRIBUTED TO THE CITY OF VALDEZ CAPITAL PROJECTS OFFICE, THE GENERAL CONTRACTOR, THE ENGINEER OF RECORD, AND THE ARCHITECT OF RECORD. REPORTS SHALL BE COMPLETED DAILY AND DISTRIBUTED ON A WEEKLY BASIS AND SHALL BE DISTRIBUTED BY THE MONDAY FOLLOWING THE WEEK IN WHICH THE INSPECTION OR TEST WAS COMPLETED. A COPY OF ALL SPECIAL INSPECTION REPORTS, DEFICIENCIES, AND CORRECTIVE ACTIONS SHALL BE MAINTAINED AT THE JOB SITE.

CONTRACTOR STATEMENT OF RESPONSIBILITY

CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE OWNER AND THE MOA, IN ACCORDANCE WITH IBC 1704.4. THE STATEMENT SHALL ACKNOWLEDGE AWARENESS OF THE SPECIAL REQUIREMENTS OF THE QUALITY ASSURANCE PLAN; ACKNOWLEDGE THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS; IDENTIFY PROCEDURES FOR EXERCISING CONTROL; THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS; AND IDENTIFY PERSONS THAT WILL EXERCISE CONTROL AND THEIR QUALIFICATIONS.

ITEM	QC (NOTE 12)		QA (NOTE 13)		STEEL SPECIAL INSPECTION & TESTING SCHEDULE	
	TASK	DOC	TASK	DOC	REFERENCE STANDARD	REMARKS
STEEL:					AISC: 360-16, 341-16, 348-14, 303-16, 358-16; 2018 IBC: 1705.2	
VISUAL INSPECTION PRIOR TO WELDING:					AISC: 341-16 TABLE J6.1; 360-16 TABLE N5.4-1; AWS D1.1	
CONFIGURATION AND FINISH OF ACCESS HOLES	O	-	O	-		
FIT-UP OF FILLET WELDS	P/O	-	O	-		DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION) - NOTE 15
CHECK WELDING EQUIPMENT	O	-	-	-		
VISUAL INSPECTION DURING WELDING:					AISC: 341-16 TABLE J6.2, 360-16 TABLE N5.4-2; AWS D1.1	
USE OF QUALIFIED WELDERS	O	-	O	-		
CONTROL AND HANDLING OF WELDING CONSUMABLES	O	-	O	-		PACKAGING, EXPOSURE CONTROL
ENVIRONMENTAL CONDITIONS	O	-	O	-		WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE
WELDING TECHNIQUES	O	-	O	-		INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS
VISUAL INSPECTION AFTER WELDING:					AISC: 341-16 TABLE J6.3, 360-16 TABLE N5.4-3	
WELDS CLEANED	O	-	O	-		
SIZE, LENGTH AND LOCATION OF WELDS	P	-	P	-		
WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	D	P	D		CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES AND SIZE, UNDERCUT, POROSITY
ARC STRIKES	P	-	P	-		
REPAIR ACTIVITIES	P	-	P	D		
ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	D	P	D		

SCHEDULE NOTES:

- ITEMS MARKED WITH AN "X" REQUIRE INSPECTION BY A SPECIAL INSPECTOR, ITEMS INDICATED WITH A "T" REQUIRE THE SPECIAL INSPECTOR TO OBSERVE QUALITY CONTROL TESTING BY THE CONTRACTOR.
- C.I. = CONTINUOUS SPECIAL INSPECTION DURING PROGRESS OF WORK.
- P.I. = PERIODIC SPECIAL INSPECTION DURING PROGRESS OF WORK.
- WHEN TOTAL QUANTITY OF A GIVEN CLASS OF CONCRETE IS LESS THAN 5 CY, STRENGTH TESTS ARE NOT REQUIRED.
- SPECIAL INSPECTION NOT REQUIRED FOR SHEAR WALLS OR DIAPHRAGMS, INCLUDING BOLTING, HOLDDOWNS AND OTHER FASTENINGS, WHEN SHEATHING IS ON ONE SIDE ONLY AND SPACING OF NAILS IS MORE THAN 4-
- ITEMS INDICATED WITH A "T" REQUIRE TESTING, WITH A "D" REQUIRE SPECIFIC DOCUMENTATION, WITH AN "O" SHALL BE OBSERVED ON A RANDOM BASIS, AND WITH A "P" SHALL BE PERFORMED ON EACH CONNECTION AS DESCRIBED IN AISC 360 N.5.4.
- QUALITY CONTROL (QC) IS PERFORMED BY THE CONTRACTOR PER AISC 360 N.5.1.
- QUALITY ASSURANCE (QA) IS PERFORMED BY THE SPECIAL INSPECTOR PER AISC 360 N.5.2.
- THE "PERFORM" REQUIREMENT MAY BE REDUCED TO "OBSERVE" IF AFTER 10 WELDS, A GIVEN WELDER HAS DEMONSTRATED UNDERSTANDING OF THESE REQUIREMENTS. IF THE WELDER'S PERFORMANCE IS DISCONTINUED, IT SHALL BE RETURNED TO A "PERFORM" QUALITY CONTROL INSPECTION.

REVISIONS

No Description Date



ReidMiddleton

4300 B St., Suite 302 Anchorage, AK 99503  
Phone: 907.562.3439 - www.reidmiddleton.com  
Corporate License #AEC0398  
© Copyright Reid Middleton, Inc. 2022

BDS

ARCHITECTS

Architecture | Planning | Roof Technology

3330 C St. Suite 200, Anchorage, Ak 99503

T: 907.562.6076 | F: 907.562.6635

W: www.bdsak.com

COV VHS POOL  
COLUMN REPAIR

319 ROBE RIVER DR.

BDS Project No.: 402022.046  
Client Project No.:

BID DOCUMENTS  
22-09-13

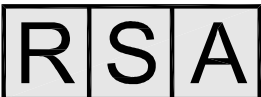
SPECIAL  
INSPECTION  
S1.04





REVISIONS

Description Date



Mechanical and  
Electrical Consulting  
Engineers

670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503  
(907) 276-1521  
Corporate No.: AECC542

NOT FOR  
CONSTRUCTION

BDS, Inc. Entity #25796D

**BDS**  
ARCHITECTS  
Architecture | Planning | Roof Technology

3330 C St, Suite 200, Anchorage, Ak 99503  
T: 907.562.6076 | F: 907.562.6635  
W: [www.bdsak.com](http://www.bdsak.com)

COV VHS POOL  
COLUMN REPAIR

319 ROBE RIVER DR.

RSA Project No.: M2127.00

Client Project No.:

BID DOCUMENTS  
09/12/2022

MECHANICAL  
PLANS AND DETAILS

M1.01

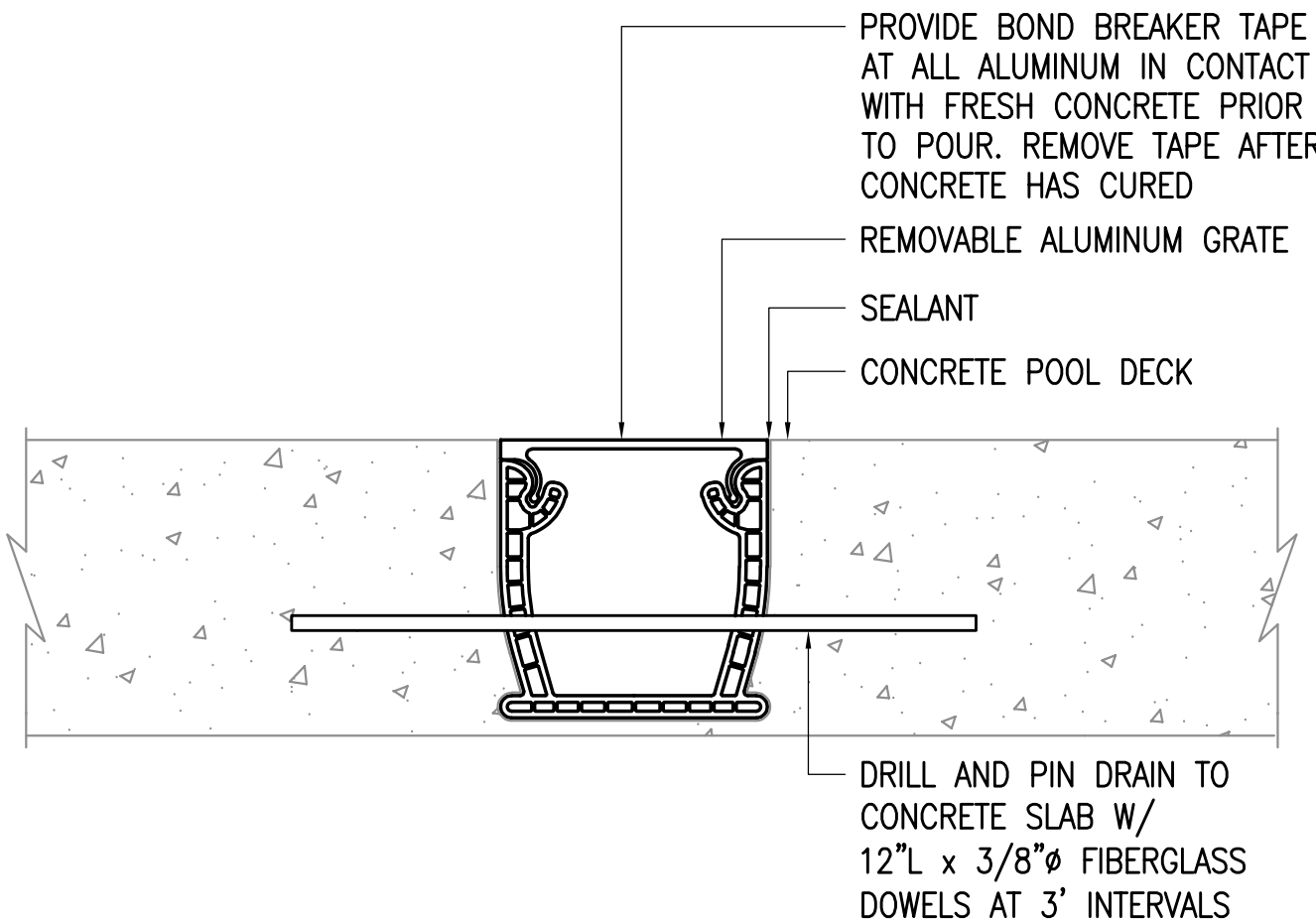
GENERAL NOTES:

- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS BUILT DRAWINGS AND/OR A NON- DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

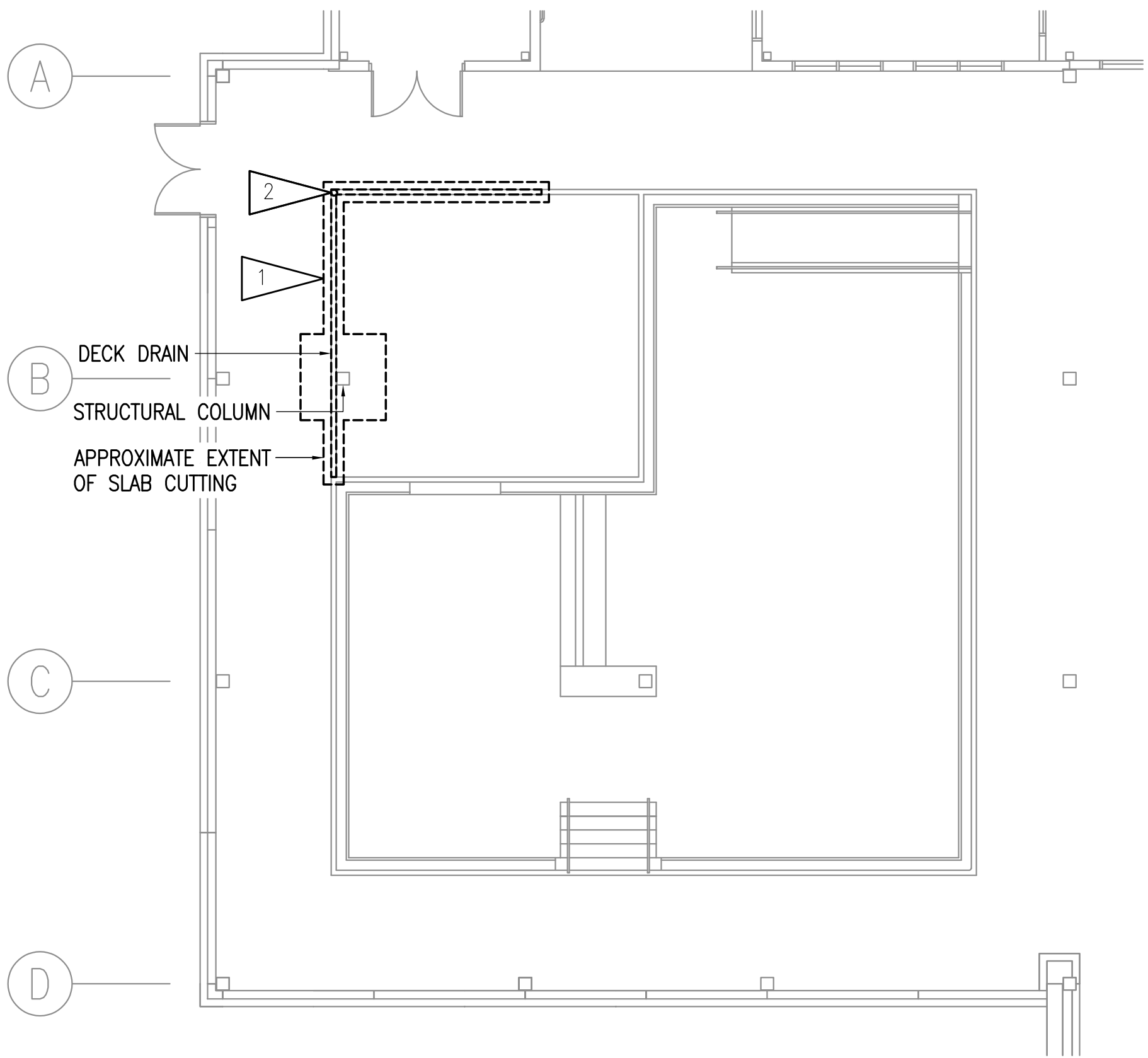
SHEET NOTES:

- DEMOLISH EXISTING POOL DECK DRAIN AS INDICATED. DEMOLISH POOL DECK SLAB AS REQUIRED FOR DRAIN DEMOLITION. APPROXIMATE EXTENTS OF SLAB DEMOLITION SHOWN, COORDINATE W/ STRUCTURAL PLANS.
- APPROXIMATE LOCATION OF UNDERSLAB DECK DRAIN PIPING CONNECTION. VERIFY SIZE AND LOCATION OF PIPING CONNECTION FOR NEW DECK DRAIN.
- INSTALL POOL DECK DRAIN DD-1 AROUND REPAIRED STRUCTURAL COLUMN AS INDICATED. COORDINATE LOCATION OF DRAIN WITH STRUCTURAL SLAB REINFORCEMENT, SEE STRUCTURAL PLANS. CONNECT DECK DRAIN OUTLET TO EXISTING DRAIN PIPING BELOW POOL DECK. FOR DECK DRAIN DETAIL SEE -

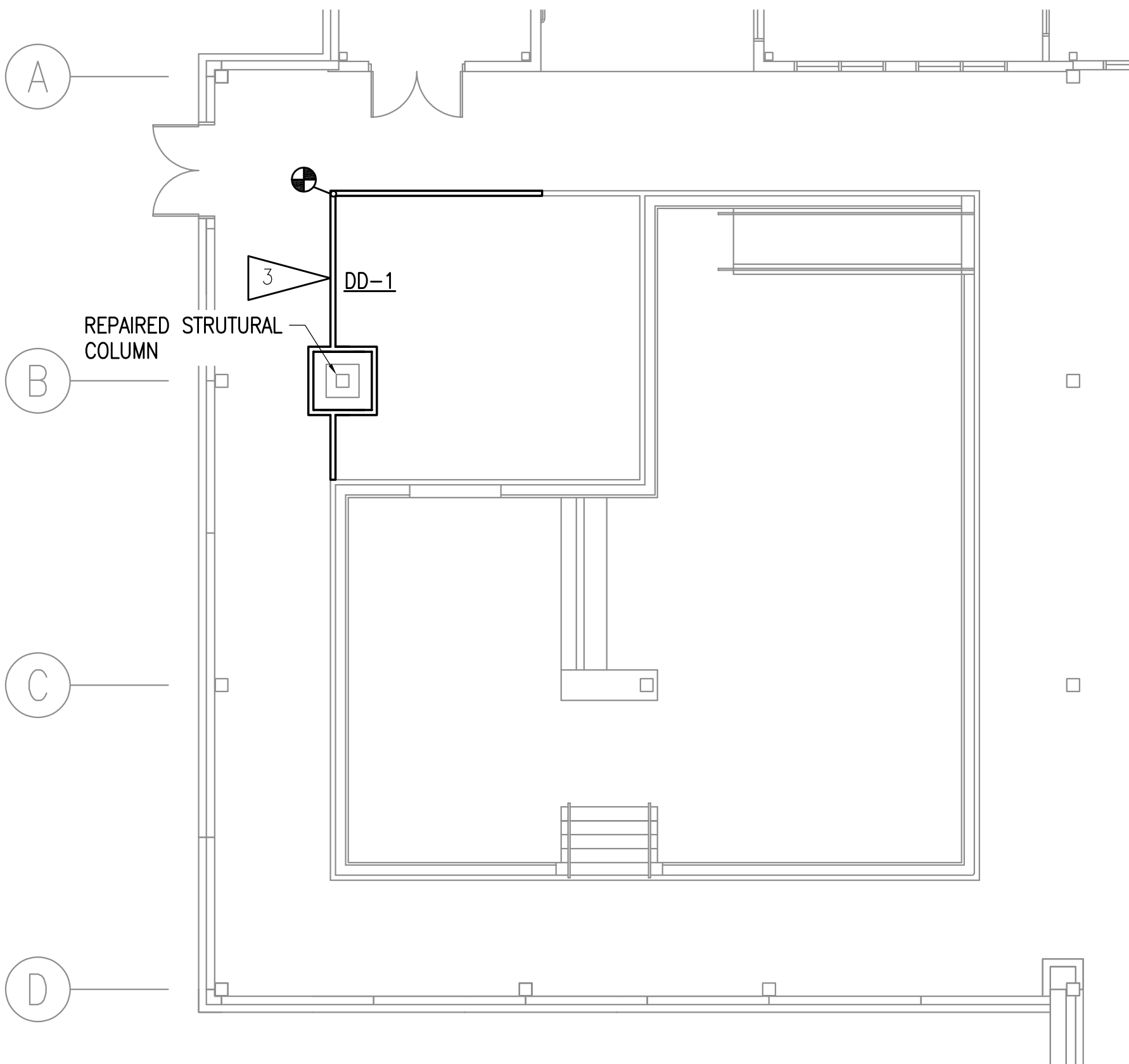
3  
M1.01



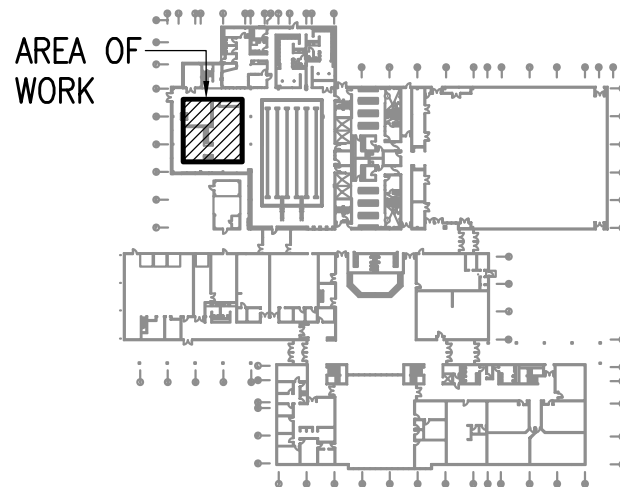
3 POOL DECK DRAIN DETAIL  
NOT TO SCALE



1 MECHANICAL DEMOLITION PLAN  
1/8" = 1'- 0"



2 MECHANICAL REMODEL PLAN  
1/8" = 1'- 0"



KEY PLAN  
NO SCALE